

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008376.D
 Acq On : 24 Mar 2019 01:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	197458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146853	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	145583	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
35) Dibromofluoromethane	5.50	113	107435	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	430548	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.13	95	158925	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	106486	47.638	ug/l	100
3) Chloromethane	1.32	50	159477	48.127	ug/l	98
4) Vinyl Chloride	1.40	62	156808	48.485	ug/l	99
5) Bromomethane	1.64	94	99431	48.822	ug/l	100
6) Chloroethane	1.71	64	92721	48.951	ug/l	99
7) Trichlorofluoromethane	1.92	101	174342	47.402	ug/l	98
8) Diethyl Ether	2.18	74	84214	47.820	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101406	46.543	ug/l	88
10) Methyl Iodide	2.51	142	141983	51.366	ug/l	98
11) Tert butyl alcohol	3.05	59	173148	258.118	ug/l	100
12) 1,1-Dichloroethene	2.37	96	108729	48.346	ug/l	91
13) Acrolein	2.29	56	130312	227.332	ug/l	99
14) Allyl chloride	2.73	41	239273	48.092	ug/l	95
15) Acrylonitrile	3.14	53	425810	247.876	ug/l	99
16) Acetone	2.45	43	364663	242.247	ug/l	97
17) Carbon Disulfide	2.57	76	330376	45.940	ug/l	100
18) Methyl Acetate	2.77	43	181957	48.291	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	401412	49.556	ug/l	98
20) Methylene Chloride	2.85	84	130556	48.177	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	114970	47.211	ug/l	90
22) Diisopropyl ether	3.85	45	484079	49.971	ug/l #	85
23) Vinyl Acetate	3.81	43	2166638	253.319	ug/l	97
24) 1,1-Dichloroethane	3.70	63	241425	48.881	ug/l	98
25) 2-Butanone	4.67	43	614276	247.822	ug/l	97
26) 2,2-Dichloropropane	4.59	77	125113	39.318	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	134556	48.242	ug/l	93
28) Bromochloromethane	5.01	49	119647	48.526	ug/l #	78
29) Tetrahydrofuran	5.13	42	408721	248.338	ug/l	96
30) Chloroform	5.21	83	219149	49.214	ug/l	100
31) Cyclohexane	5.58	56	225239	47.558	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	175306	49.760	ug/l	96
36) 1,1-Dichloropropene	5.80	75	170160	48.186	ug/l	96
37) Ethyl Acetate	4.84	43	237675	49.730	ug/l	97
38) Carbon Tetrachloride	5.78	117	145381	48.027	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	197296	45.581	ug/l	92
40) Benzene	6.14	78	520278	48.378	ug/l	99
41) Methacrylonitrile	5.04	41	132567	50.889	ug/l	97
42) 1,2-Dichloroethane	6.19	62	186692	47.836	ug/l	96
43) Isopropyl Acetate	6.45	43	373801	50.227	ug/l	97
44) Trichloroethene	7.21	130	118069	47.276	ug/l	88
45) 1,2-Dichloropropane	7.51	63	149296	49.037	ug/l	100
46) Dibromomethane	7.66	93	85369	47.249	ug/l #	85
47) Bromodichloromethane	7.90	83	168169	48.797	ug/l	97
48) Methyl methacrylate	7.77	41	189395	50.434	ug/l	93
49) 1,4-Dioxane	7.74	88	75561	997.282	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	1233243	252.563	ug/l	97
52) Toluene	8.79	92	311125	49.337	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	185204	49.983	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	206683	49.198	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	126587	48.327	ug/l	98
56) Ethyl methacrylate	9.18	69	239306	51.605	ug/l	91
57) 1,3-Dichloropropane	9.37	76	227503	48.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	621886	248.726	ug/l	92
59) 2-Hexanone	9.49	43	972744	259.509	ug/l	96
60) Dibromochloromethane	9.58	129	123625	50.847	ug/l	98
61) 1,2-Dibromoethane	9.67	107	132049	49.673	ug/l	98
64) Tetrachloroethene	9.34	164	97944	48.031	ug/l	95
65) Chlorobenzene	10.13	112	314846	48.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	112418	49.569	ug/l	98
67) Ethyl Benzene	10.25	91	596172	48.685	ug/l	97
68) m/p-Xylenes	10.36	106	434261	98.700	ug/l	92
69) o-Xylene	10.69	106	212938	49.494	ug/l	94
70) Styrene	10.71	104	375287	50.298	ug/l	97
71) Bromoform	10.85	173	88992	50.938	ug/l #	99
73) Isopropylbenzene	11.02	105	561947	48.488	ug/l	97
74) N-amyl acetate	10.90	43	353369	52.079	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	223358	48.385	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	186959m	48.638	ug/l	
77) Bromobenzene	11.26	156	132732	48.403	ug/l	80
78) n-propylbenzene	11.36	91	659318	48.539	ug/l	95
79) 2-Chlorotoluene	11.42	91	393474	47.555	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	474825	48.162	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	65625	48.653	ug/l	93
82) 4-Chlorotoluene	11.51	91	453758	47.594	ug/l	94
83) tert-Butylbenzene	11.77	119	449114	47.838	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	480600	48.849	ug/l	97
85) sec-Butylbenzene	11.94	105	541714	48.145	ug/l	95
86) p-Isopropyltoluene	12.06	119	483326	48.734	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	236198	47.958	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	237550	47.403	ug/l	97
89) n-Butylbenzene	12.38	91	450276	47.558	ug/l	97
90) Hexachloroethane	12.60	117	80773	49.306	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	244208	48.959	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51358	52.199	ug/l	76

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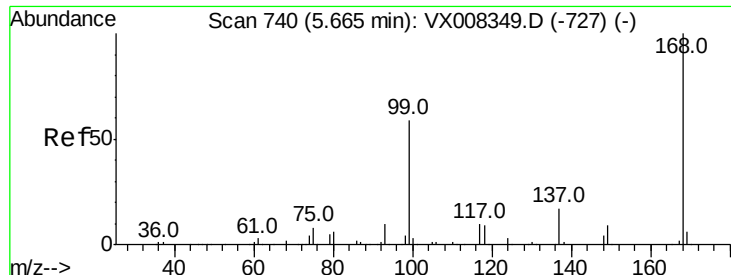
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	164550	48.920	ug/l	98
94) Hexachlorobutadiene	13.78	225	75943	47.774	ug/l	99
95) Naphthalene	13.83	128	590418	49.985	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	168058	49.514	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197458

Ion Ratio Lower Upper

168 100

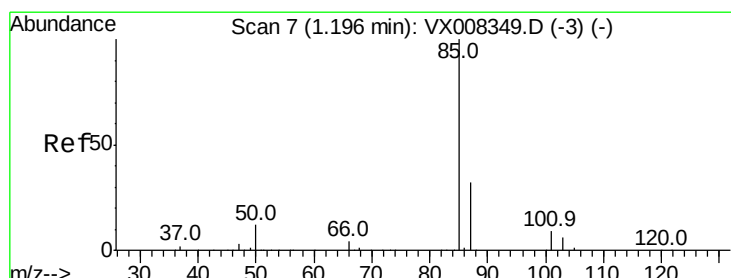
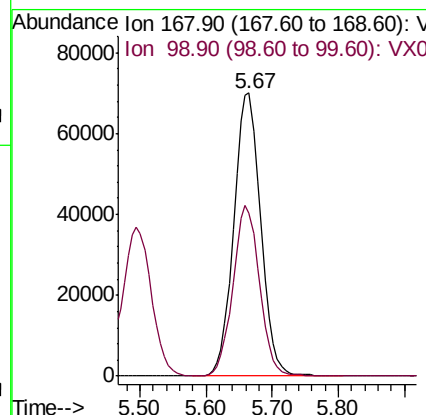
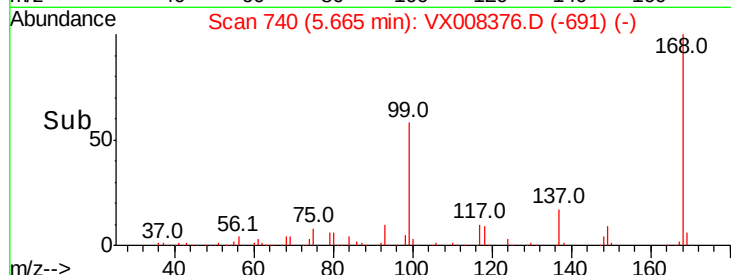
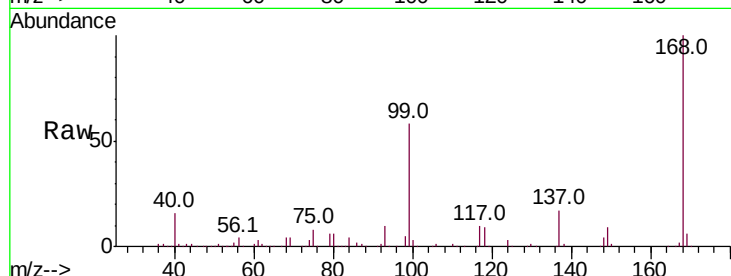
99 57.3 37.6 56.4#

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#2

Dichlorodifluoromethane

Concen: 47.638 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008376.D

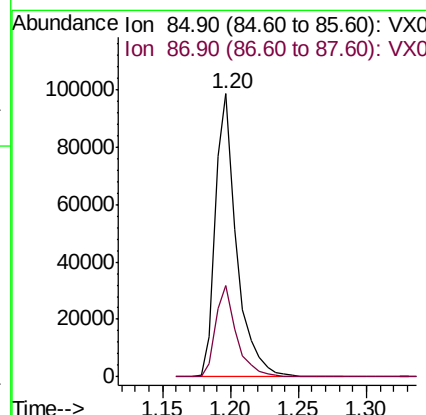
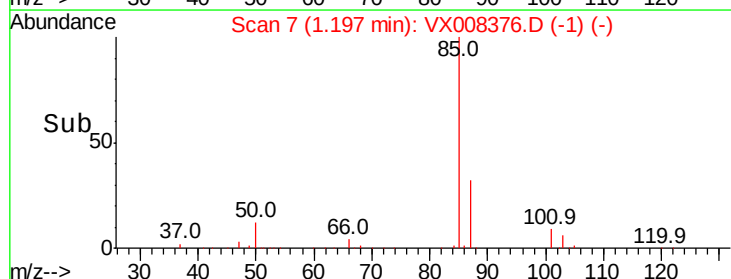
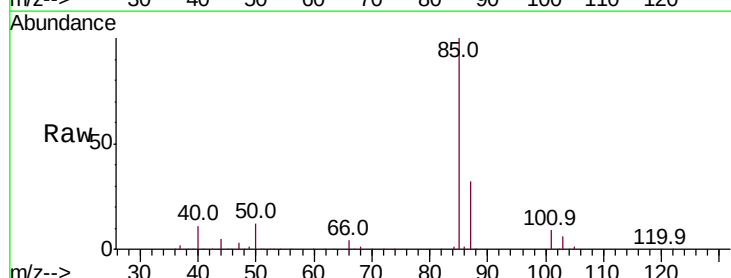
Acq: 24 Mar 2019 01:32

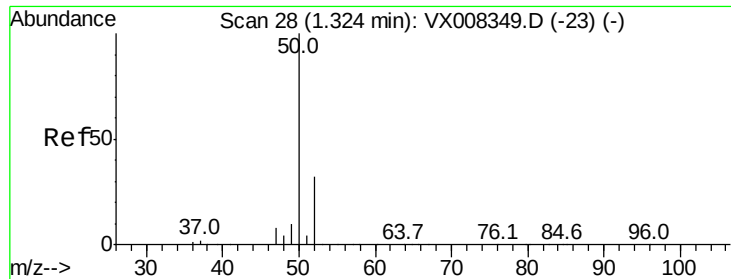
Tgt Ion: 85 Resp: 106486

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1





#3

Chloromethane

Concen: 48.127 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 159477

Ion Ratio Lower Upper

50 100

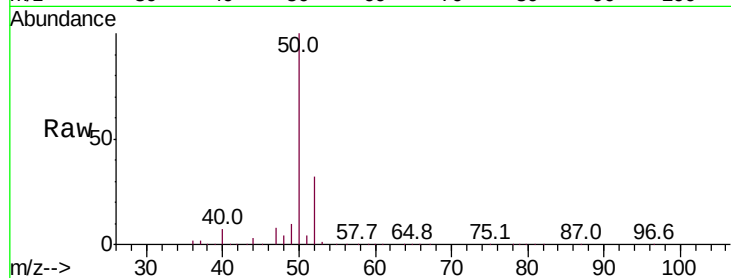
52 32.2 26.5 39.7

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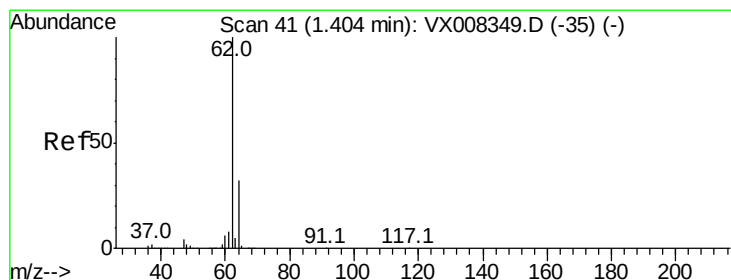
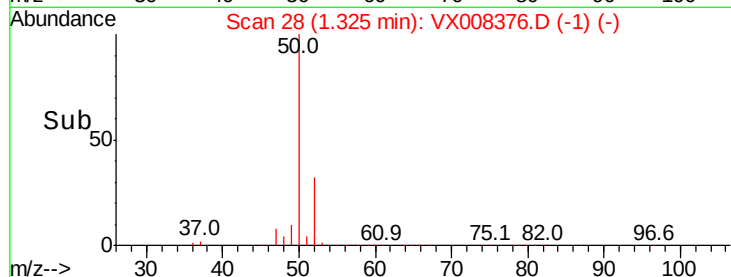
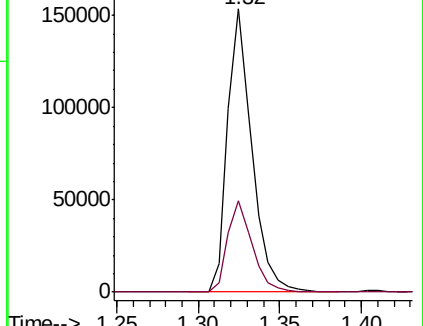
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.485 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008376.D

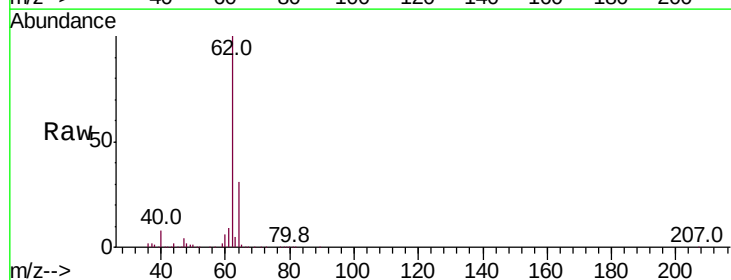
Acq: 24 Mar 2019 01:32

Tgt Ion: 62 Resp: 156808

Ion Ratio Lower Upper

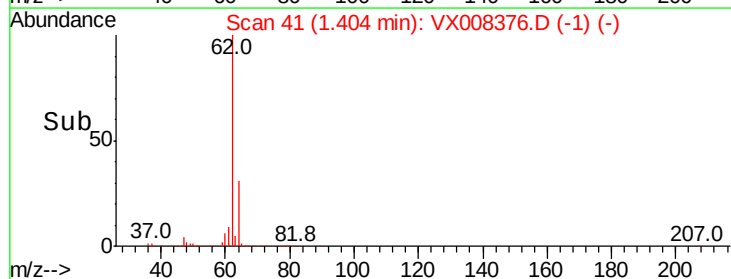
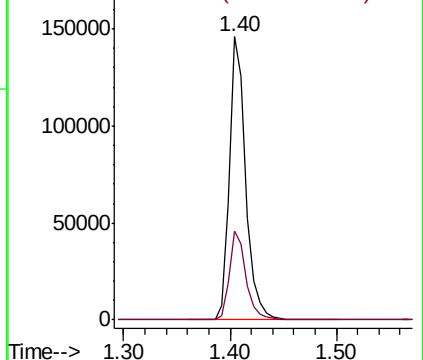
62 100

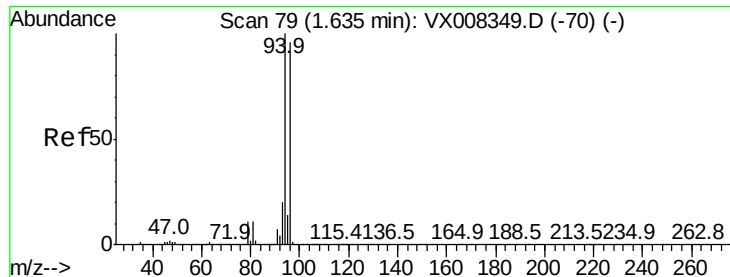
64 31.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.822 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 99431

Ion Ratio Lower Upper

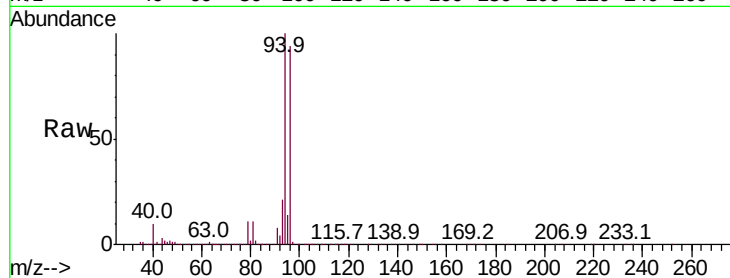
94 100

96 94.0 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

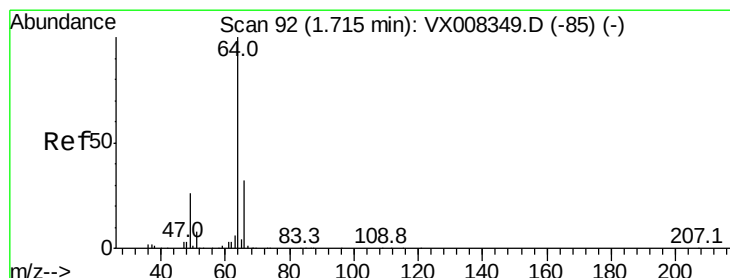
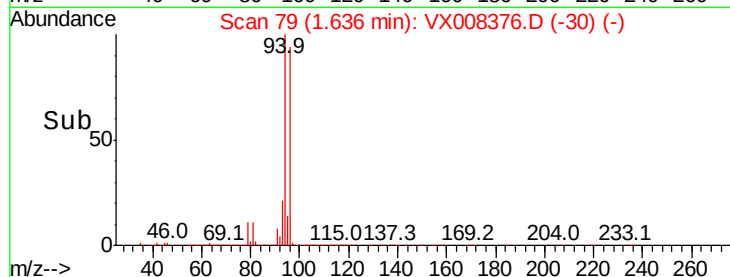
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.951 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008376.D

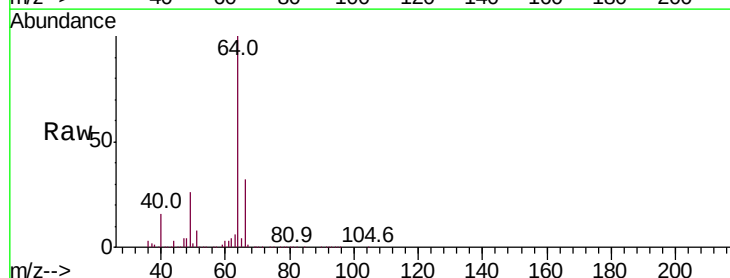
Acq: 24 Mar 2019 01:32

Tgt Ion: 64 Resp: 92721

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

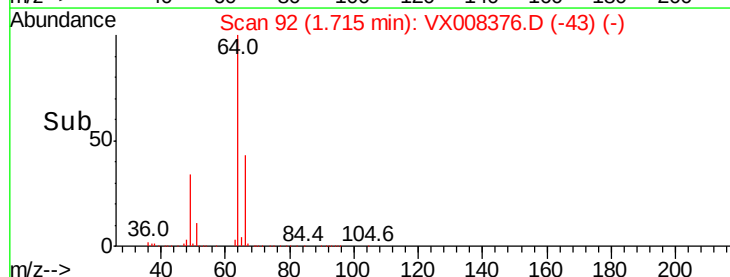
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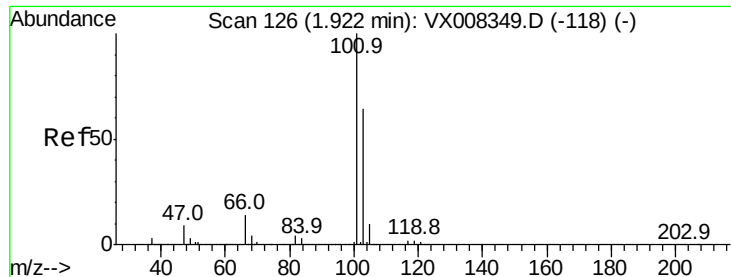
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20000

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Time-->





#7

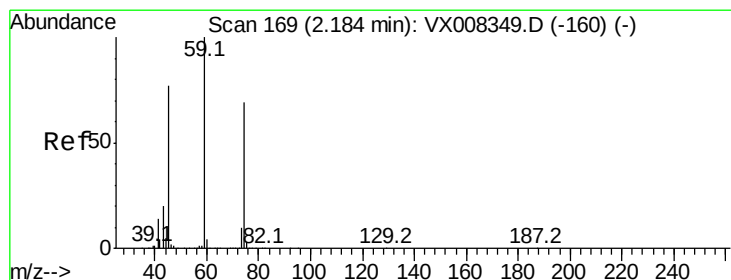
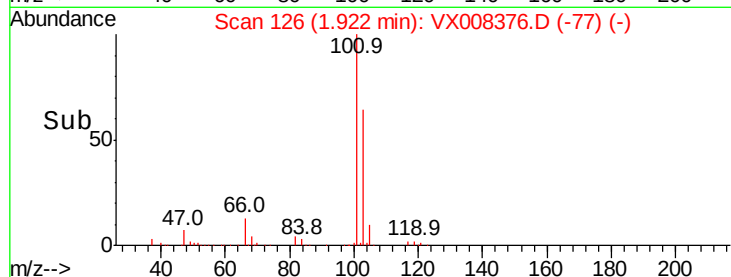
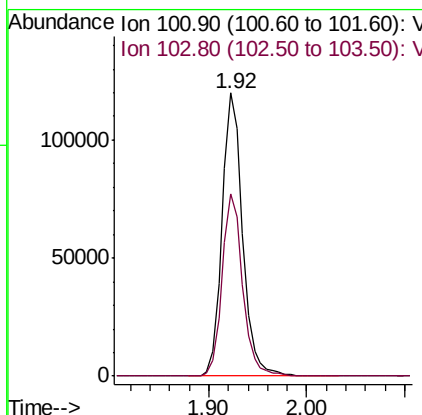
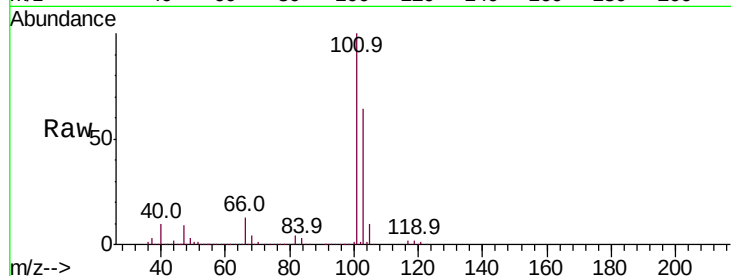
Trichlorofluoromethane
Concen: 47.402 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.4	75.6

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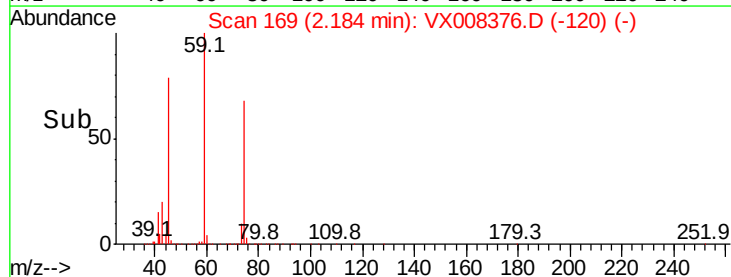
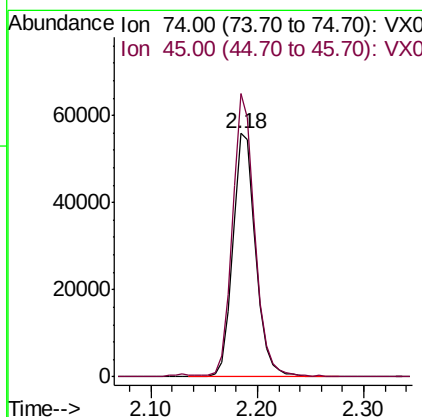
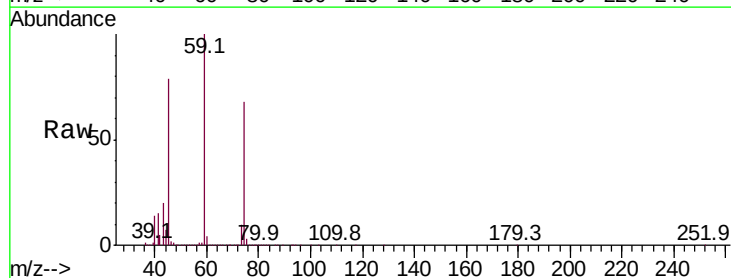
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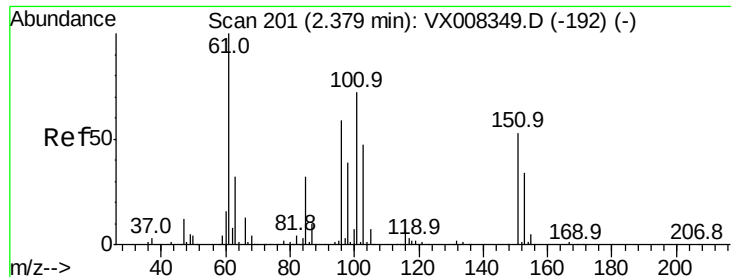


#8

Diethyl Ether
Concen: 47.820 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.2	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.543 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

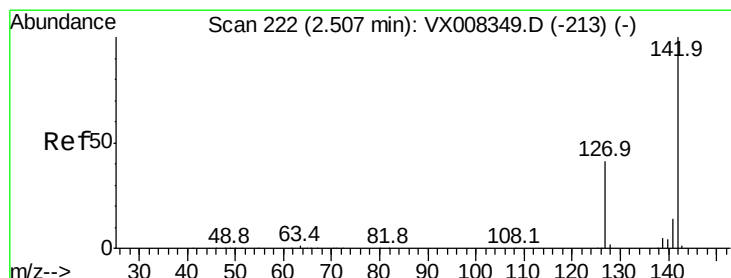
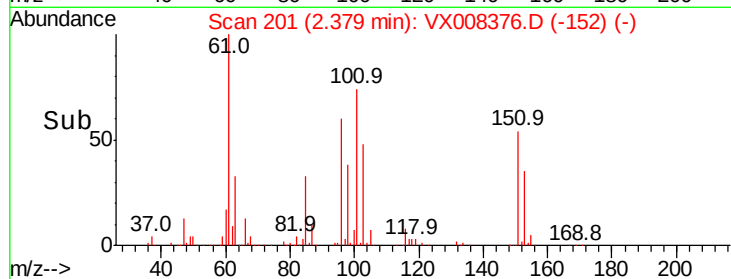
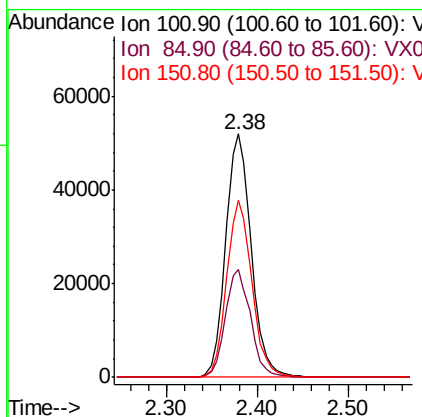
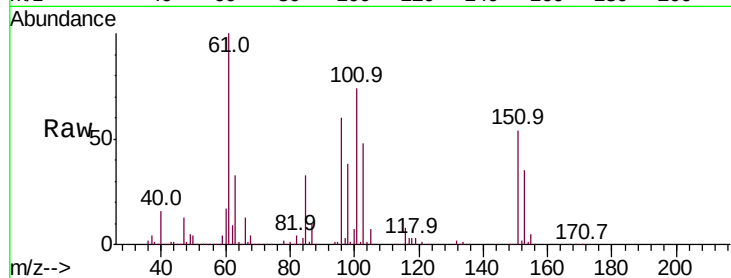
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	101406
Ion Ratio	Lower	Upper	
101	100		
85	44.0	33.8	50.6
151	71.7	69.1	103.7

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#10

Methyl Iodide

Concen: 51.366 ug/l

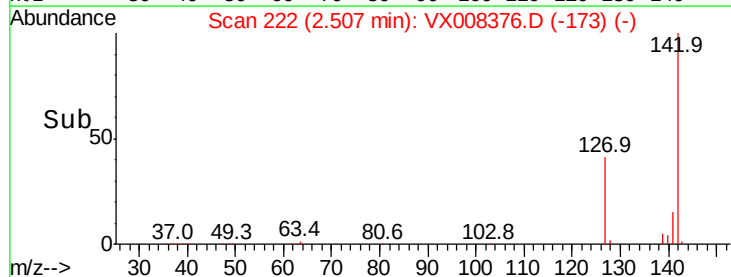
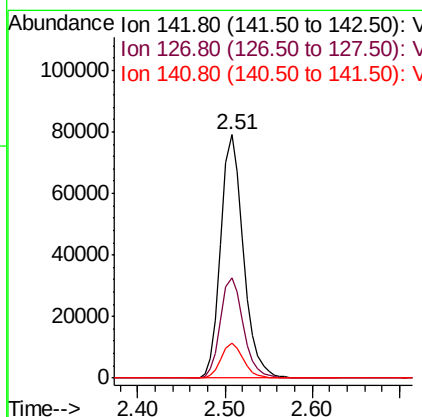
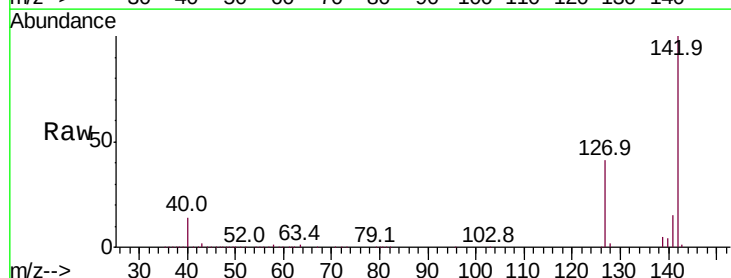
RT: 2.51 min Scan# 222

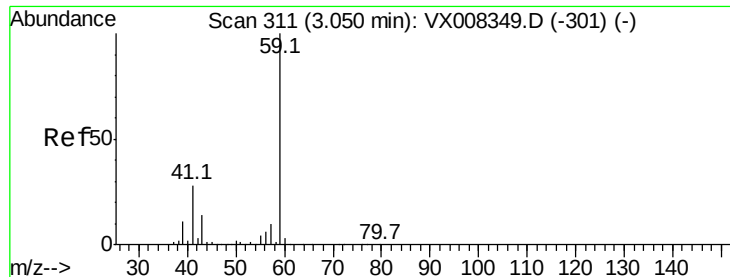
Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion:	142	Resp:	141983
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.1	48.1
141	14.3	11.4	17.2





#11

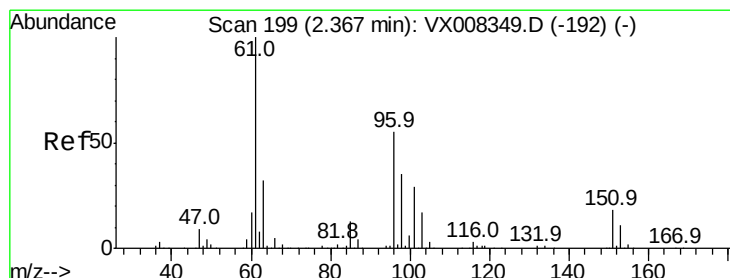
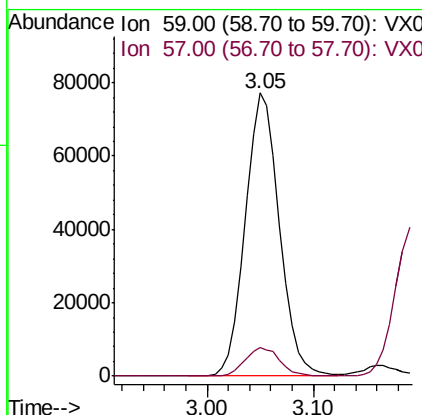
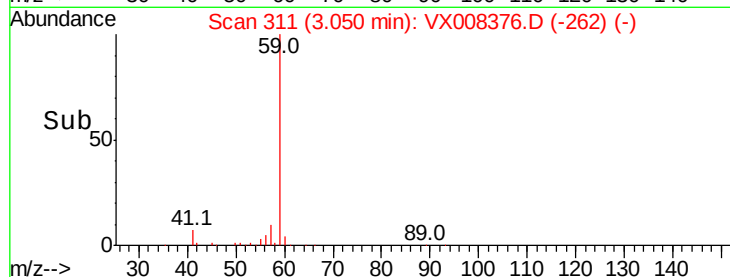
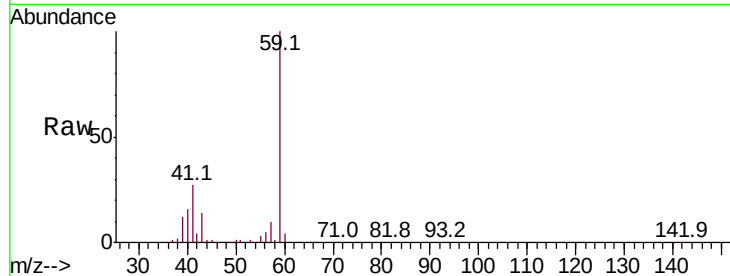
Tert butyl alcohol
Concen: 258.118 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.3	Resp	173148	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.3	Resp	173148	Lower	8.2	Upper	12.2

Manual Integrations
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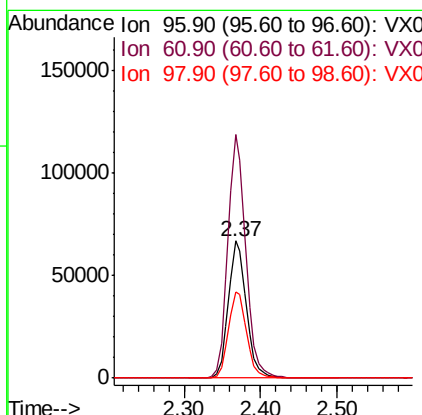
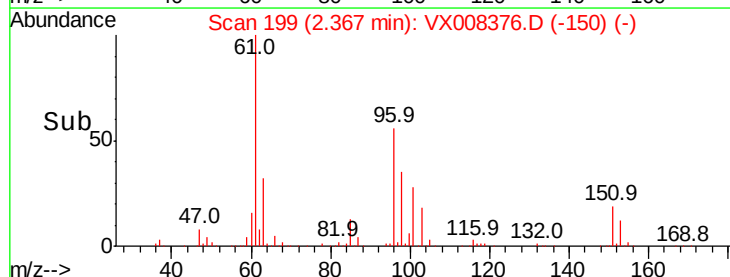
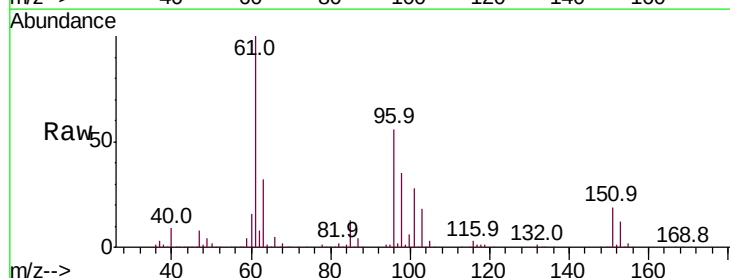
MMDadoda
3/25/2019 11:09:29 AM

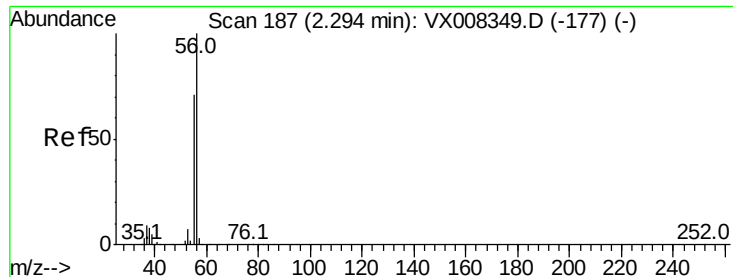


#12

1,1-Dichloroethene
Concen: 48.346 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	96	61	98	Ratio	100	177.9	62.6	Resp	108729	Lower	129.8	51.0	Upper	194.6	76.6
Ion	96	61	98	Ratio	100	177.9	62.6	Resp	108729	Lower	129.8	51.0	Upper	194.6	76.6





#13

Acrolein

Concen: 227.332 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 130312

Ion Ratio Lower Upper

56 100

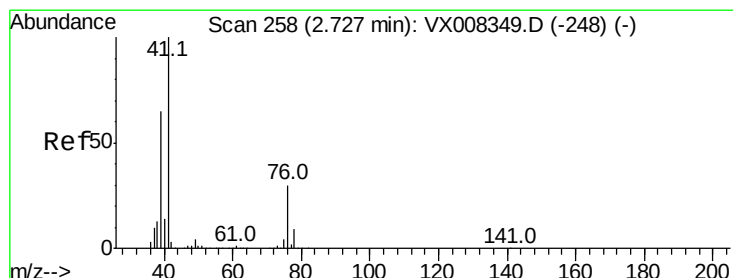
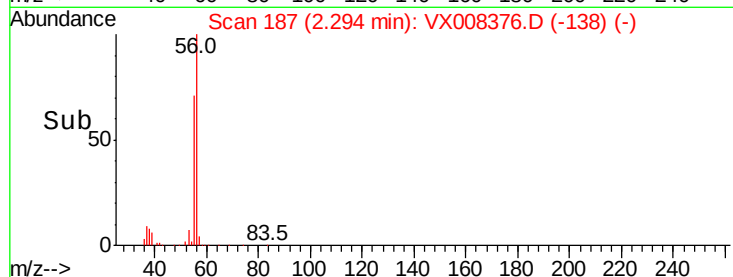
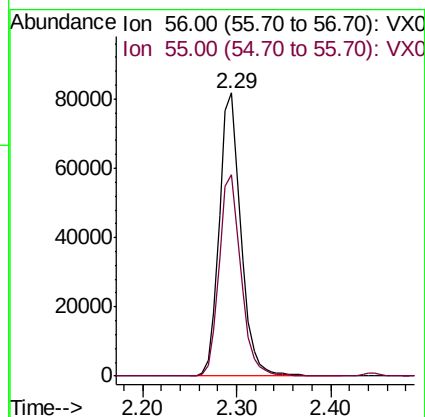
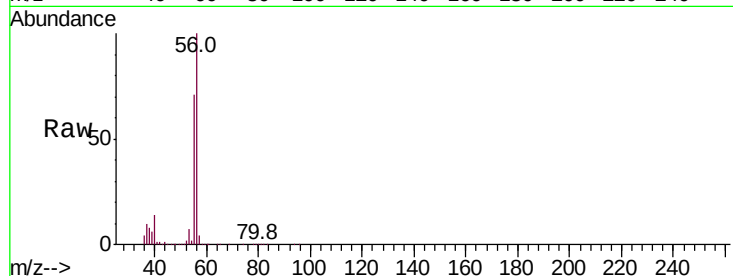
55 71.8 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.092 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

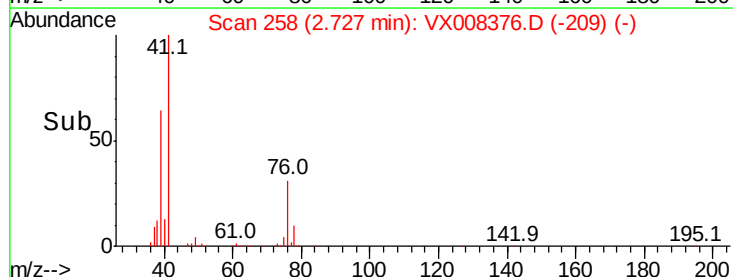
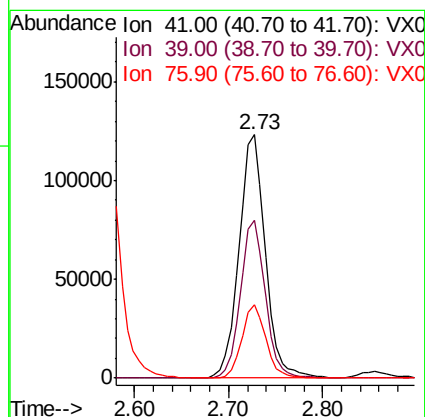
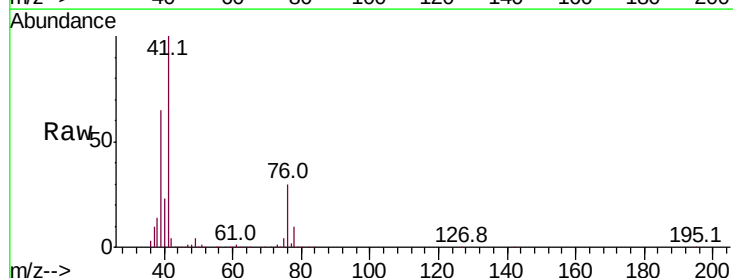
Tgt Ion: 41 Resp: 239273

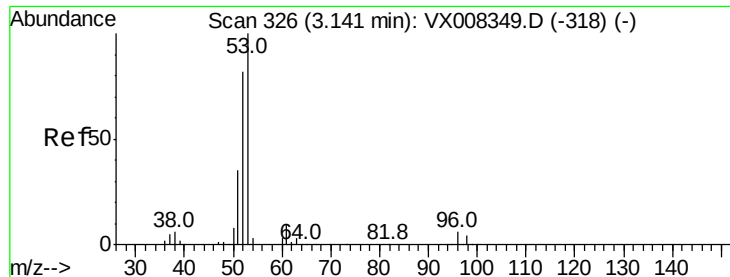
Ion Ratio Lower Upper

41 100

39 61.4 46.1 69.1

76 27.8 24.0 36.0





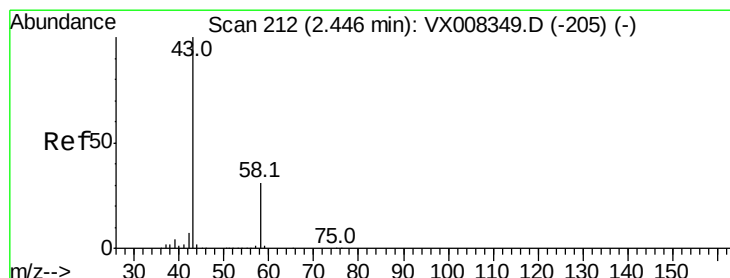
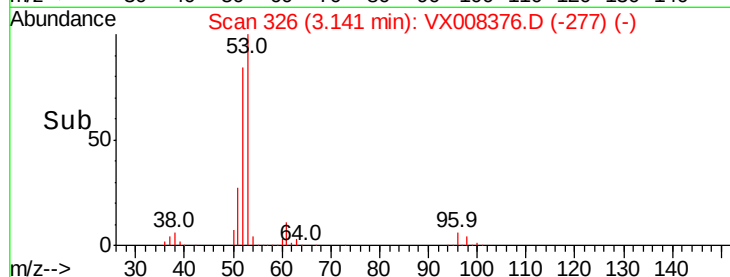
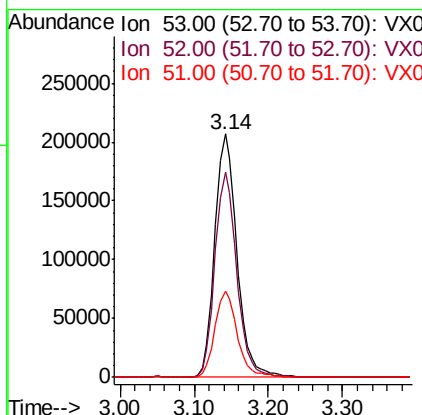
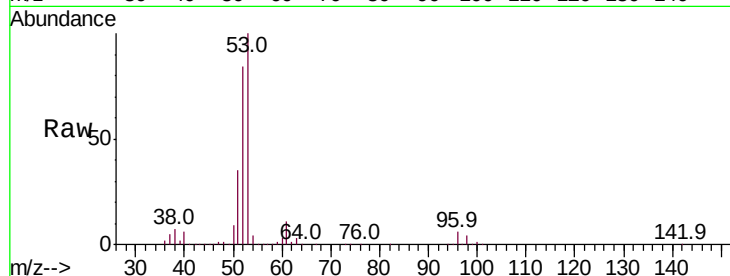
#15
 Acrylonitrile
 Concen: 247.876 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.0	99.0
51	35.7	28.0	42.0

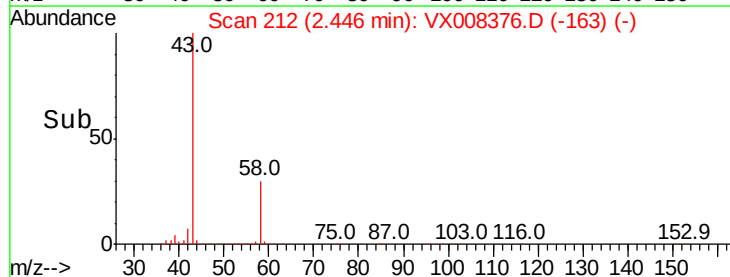
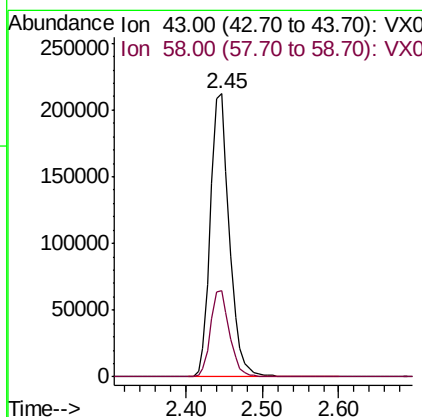
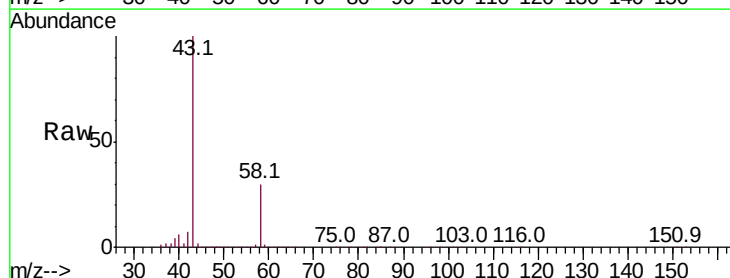
Manual Integrations
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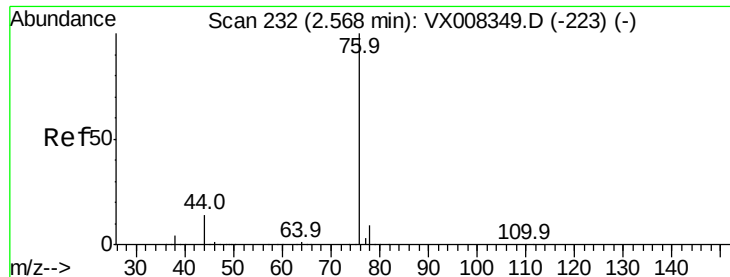
MMDadoda
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#16
 Acetone
 Concen: 242.247 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.5	38.3





#17

Carbon Disulfide

Concen: 45.940 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 330376

Ion Ratio Lower Upper

76 100

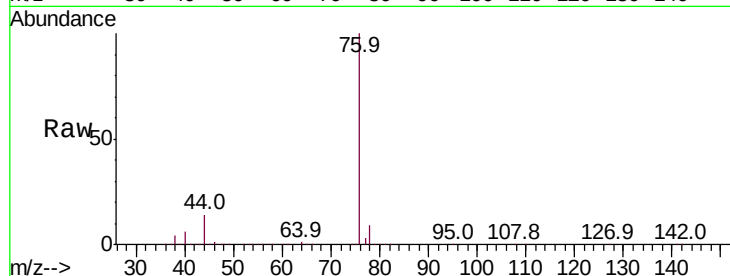
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

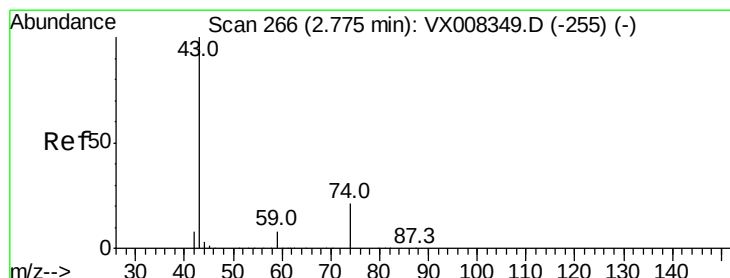
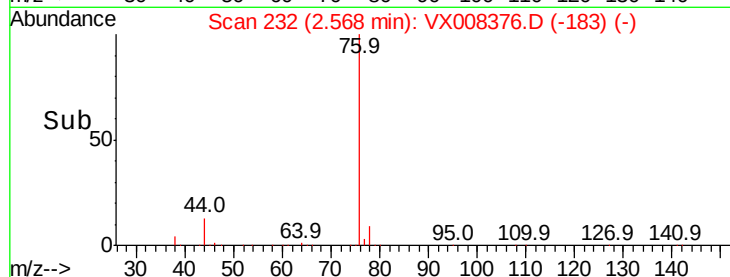
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.291 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008376.D

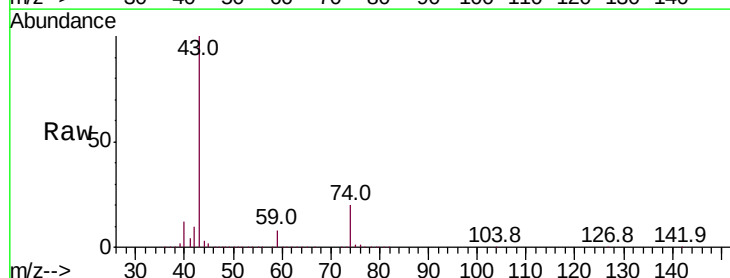
Acq: 24 Mar 2019 01:32

Tgt Ion: 43 Resp: 181957

Ion Ratio Lower Upper

43 100

74 21.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

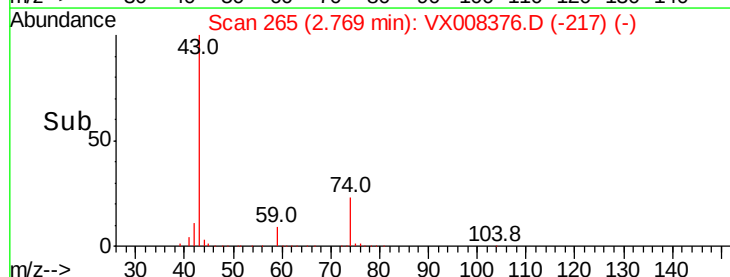
60000

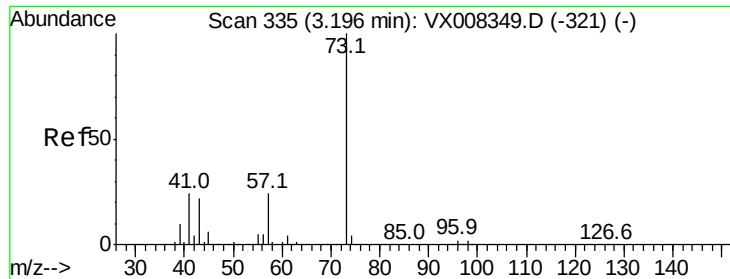
40000

20000

0

Time-->





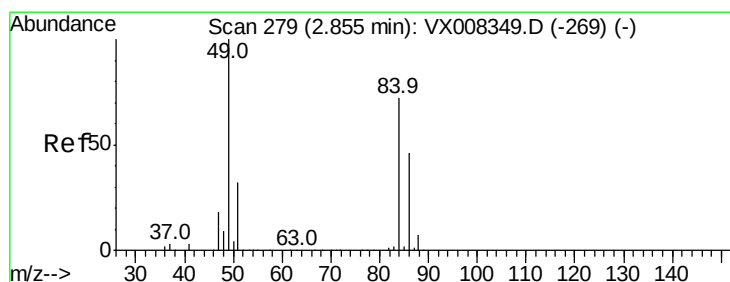
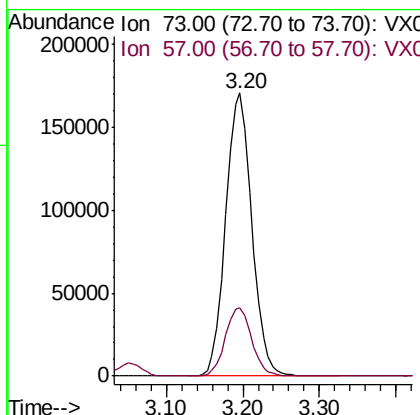
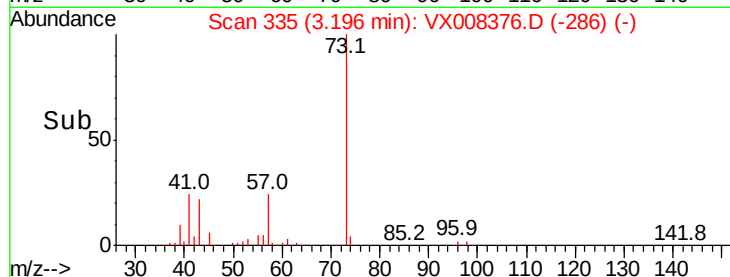
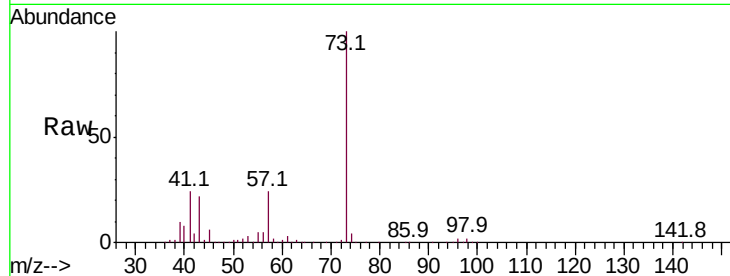
#19
Methyl tert-butyl Ether
Concen: 49.556 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 401412
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4

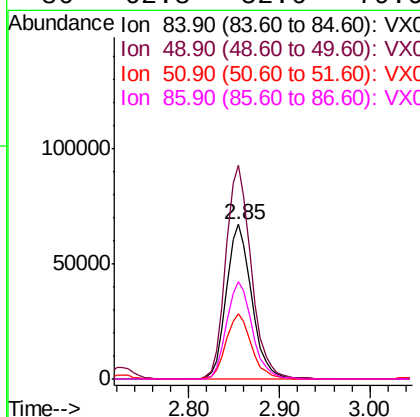
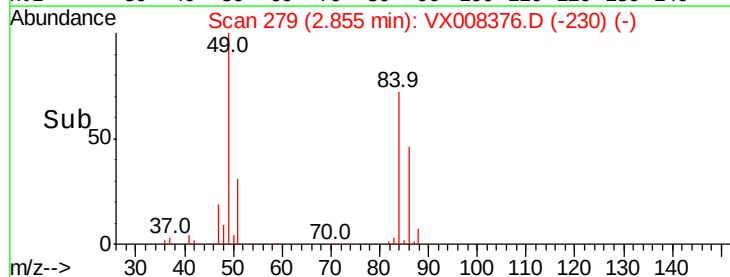
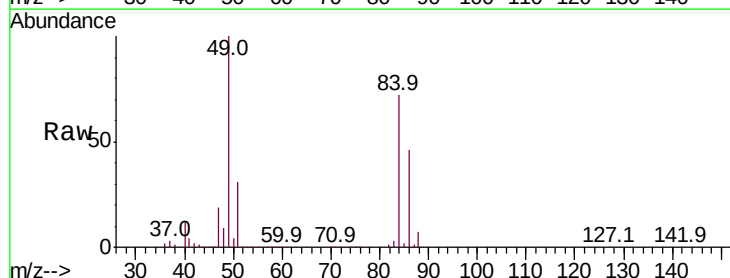
Manual Integrations
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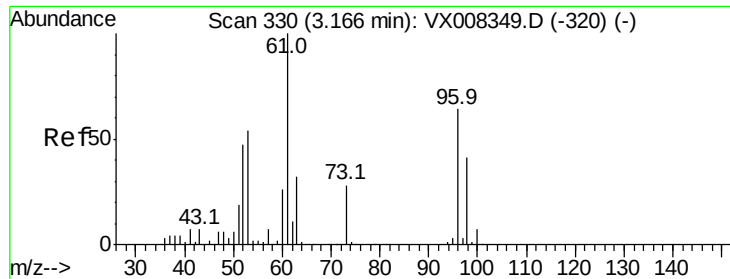
MMDadoda
3/25/2019 11:09:29 AM



#20
Methylene Chloride
Concen: 48.177 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion: 84 Resp: 130556
Ion Ratio Lower Upper
84 100
49 137.9 99.3 148.9
51 42.2 31.3 46.9
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.211 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 114970

Ion Ratio Lower Upper

96 100

61 160.4 114.4 171.6

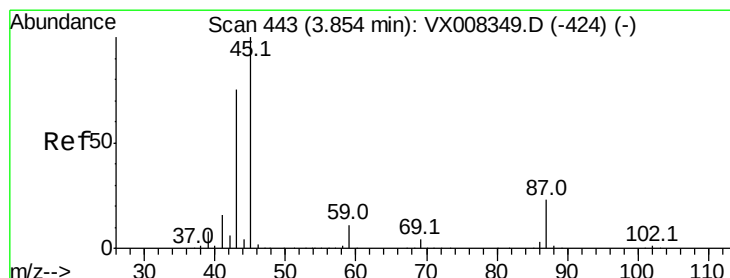
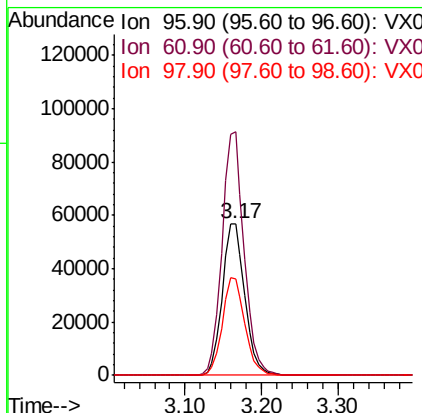
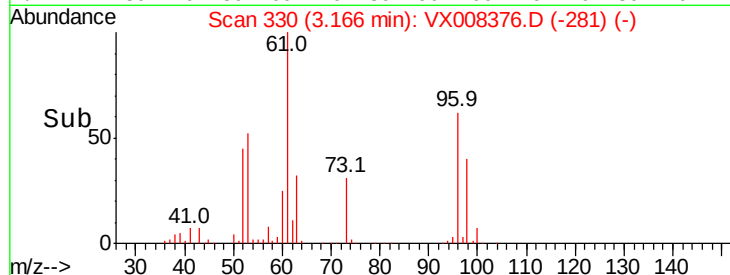
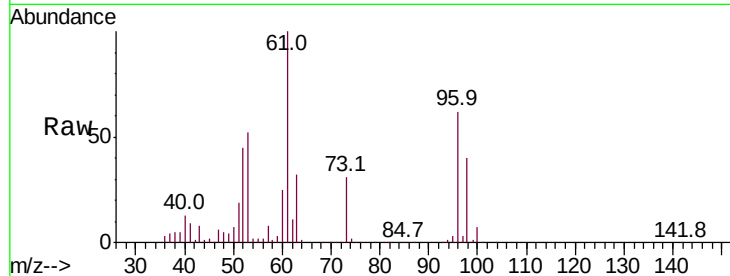
98 63.7 51.1 76.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.971 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion: 45 Resp: 484079

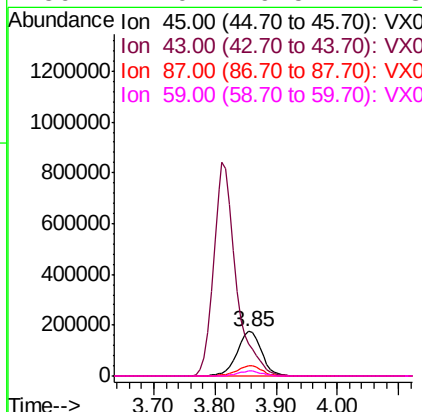
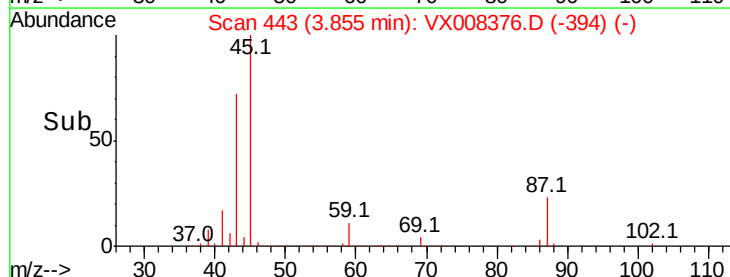
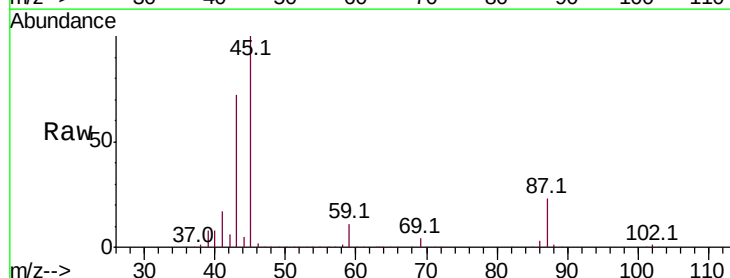
Ion Ratio Lower Upper

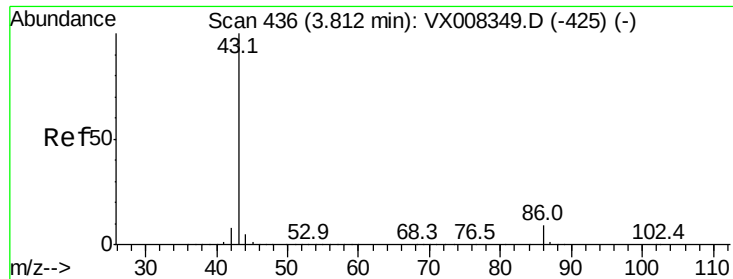
45 100

43 72.3 45.3 67.9#

87 23.4 21.4 32.0

59 11.0 9.5 14.3





#23

Vinyl Acetate

Concen: 253.319 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2166638

Ion Ratio Lower Upper

43 100

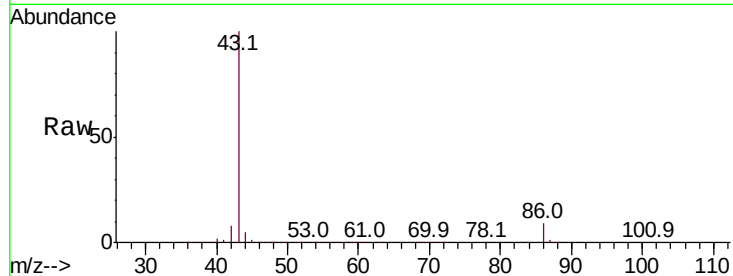
86 8.8 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

800000

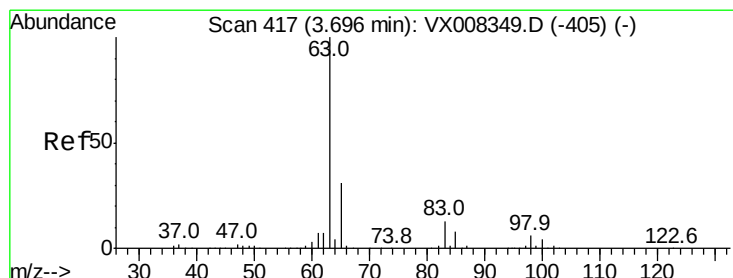
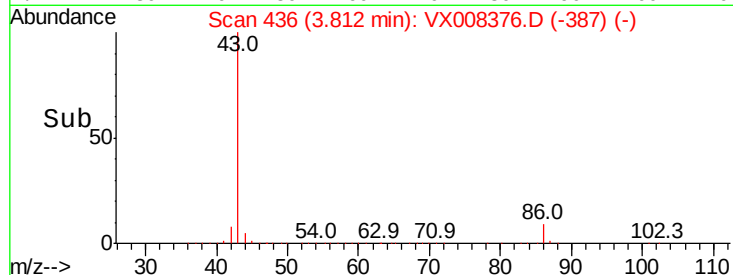
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.881 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

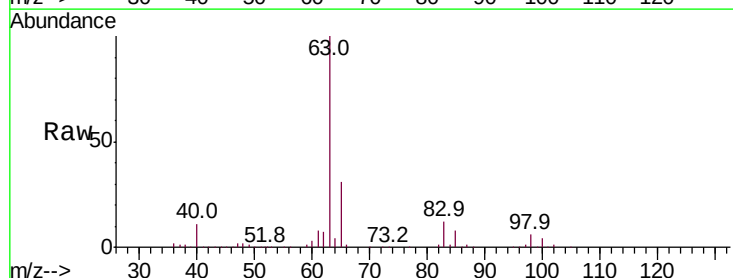
Tgt Ion: 63 Resp: 241425

Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.8

100 3.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

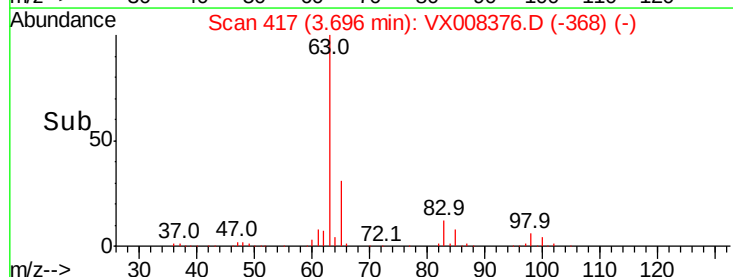
3.70

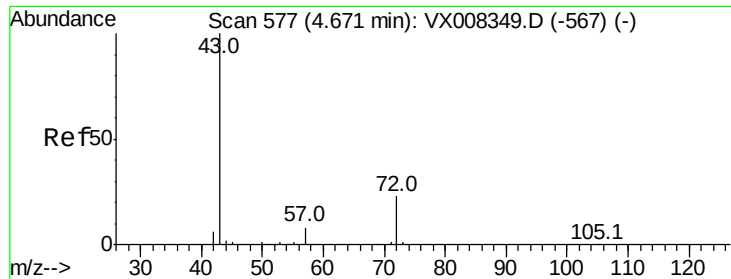
100000

50000

0

Time-->





#25

2-Butanone

Concen: 247.822 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 614276

Ion Ratio Lower Upper

43 100

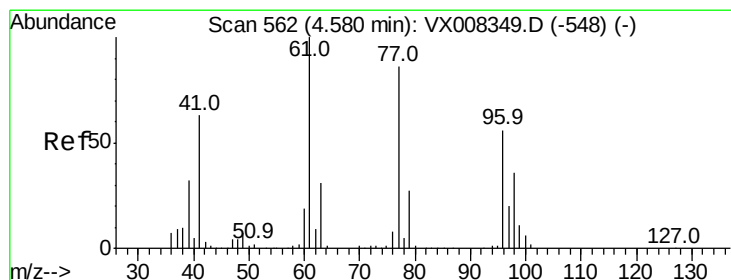
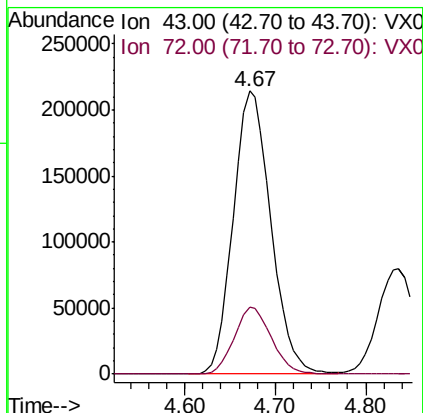
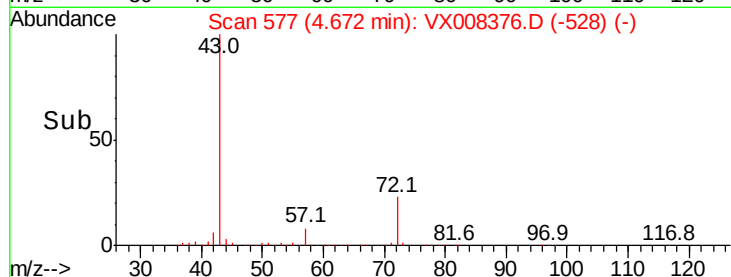
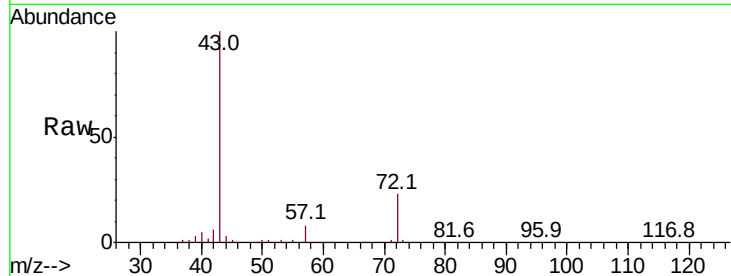
72 23.4 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.318 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX008376.D

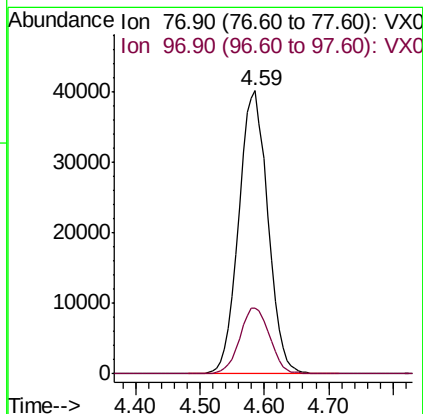
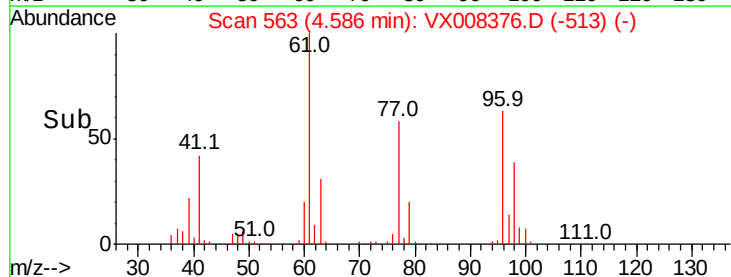
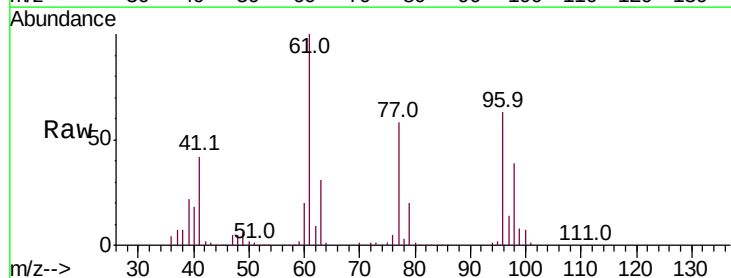
Acq: 24 Mar 2019 01:32

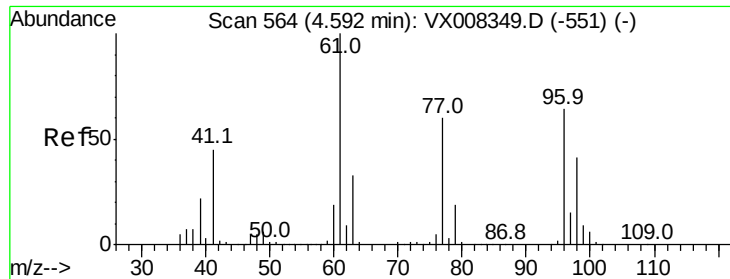
Tgt Ion: 77 Resp: 125113

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





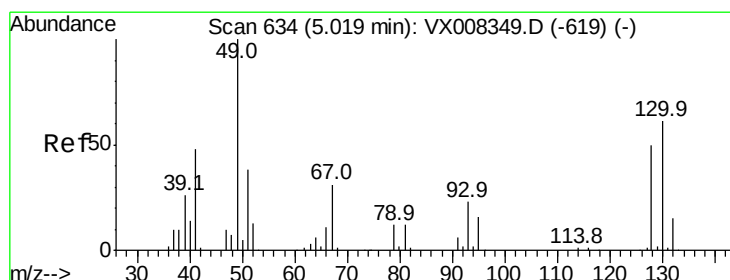
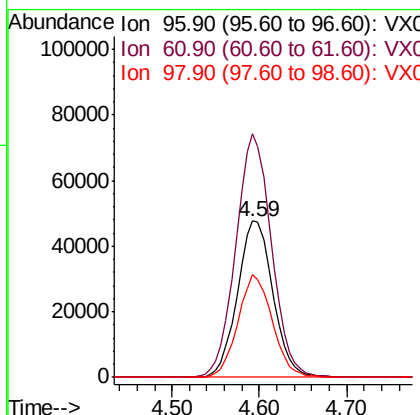
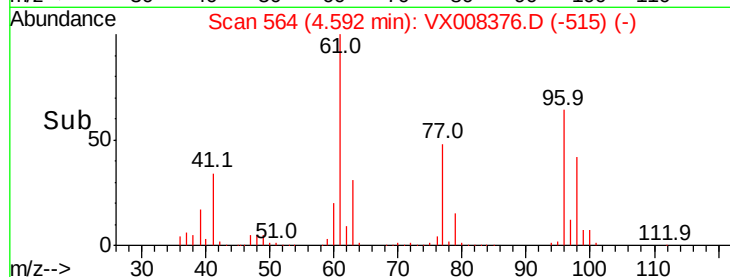
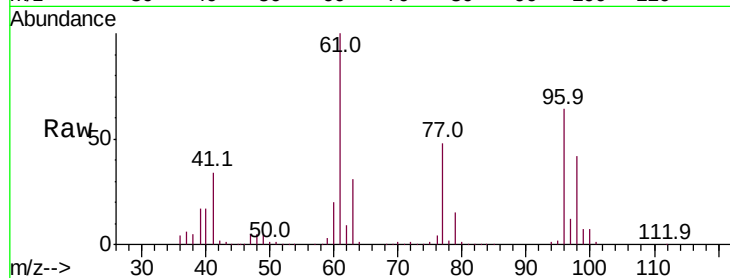
#27
 cis-1,2-Dichloroethene
 Concen: 48.242 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	288.0
98	63.9	0.0	129.0

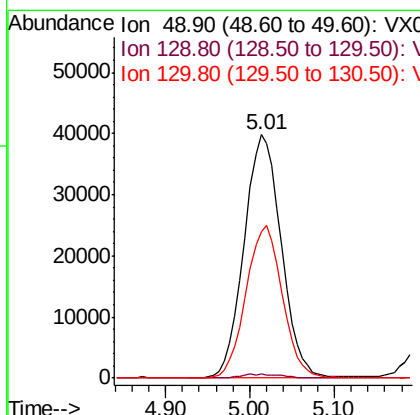
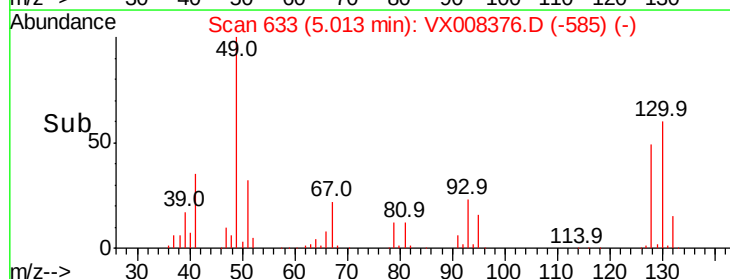
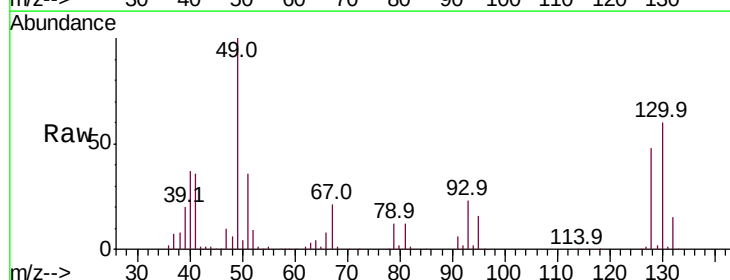
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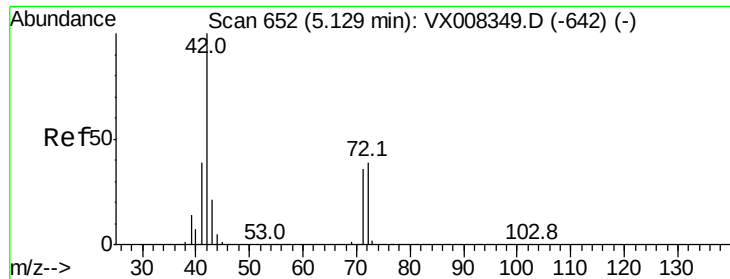
MMDadoda
 3/25/2019 11:09:29 AM



#28
 Bromochloromethane
 Concen: 48.526 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	61.0	65.0	97.4#





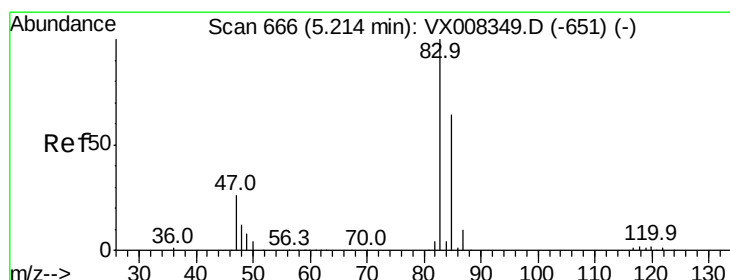
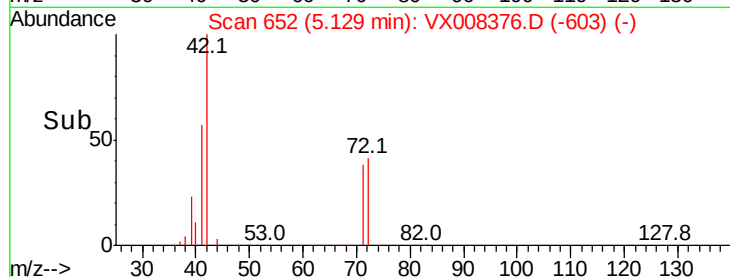
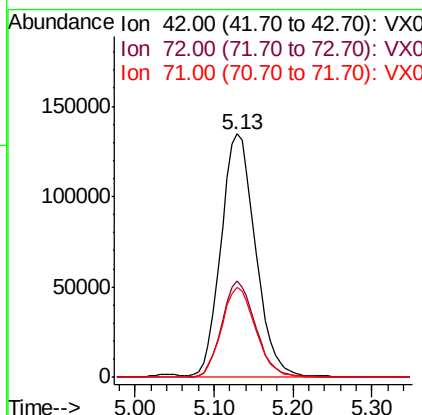
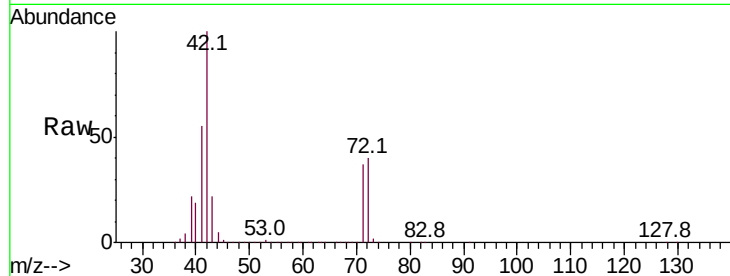
#29
Tetrahydrofuran
Concen: 248.338 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	33.8	50.6
71	37.0	31.5	47.3

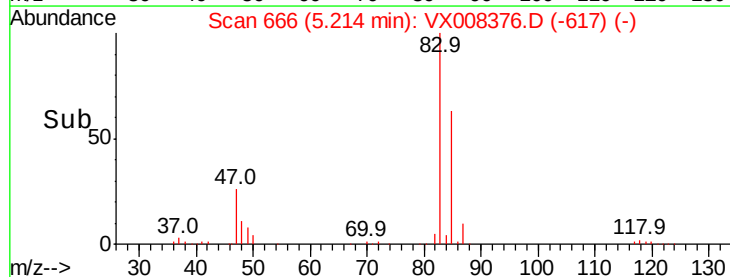
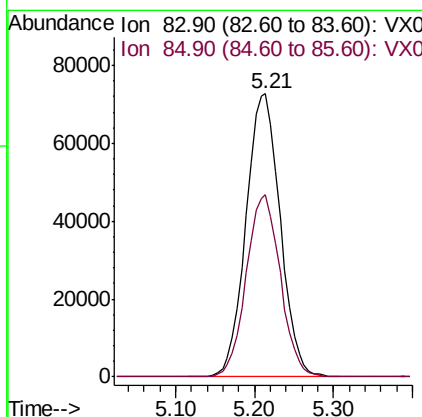
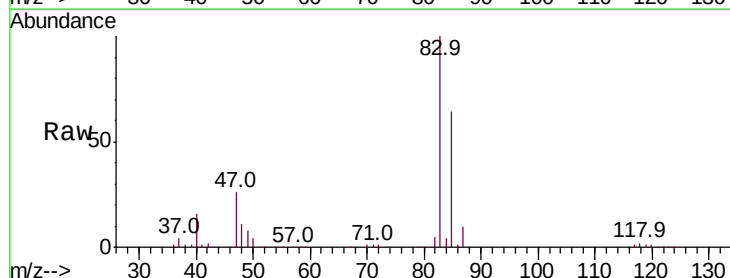
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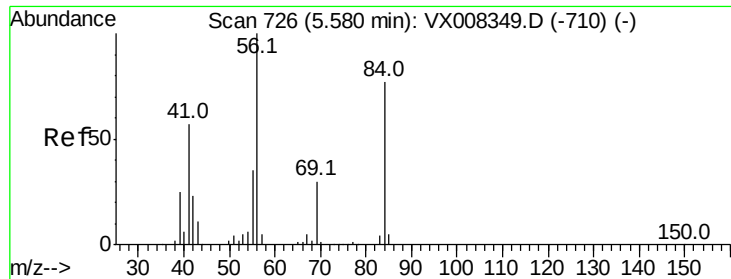
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#30
Chloroform
Concen: 49.214 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





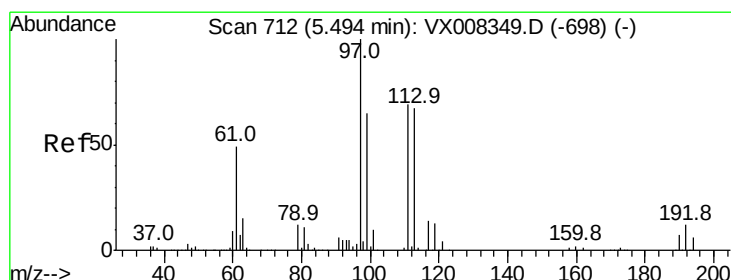
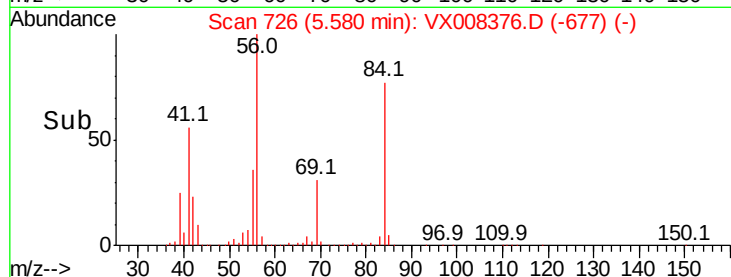
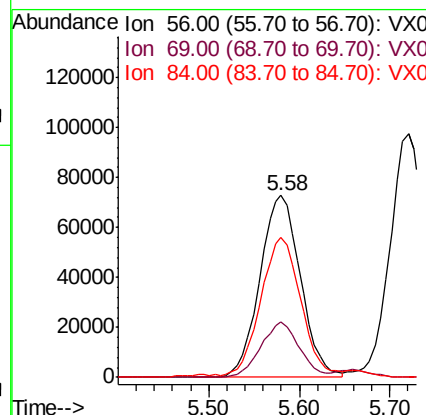
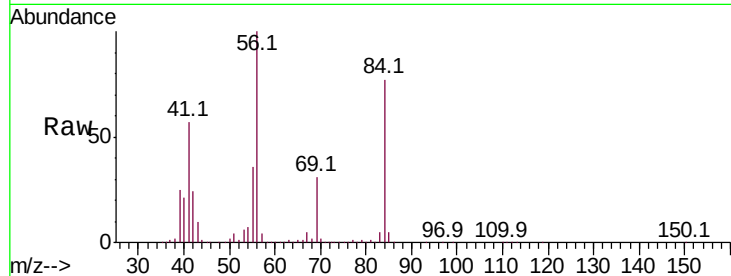
#31
Cyclohexane
Concen: 47.558 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.0	36.0
84	76.0	65.3	97.9

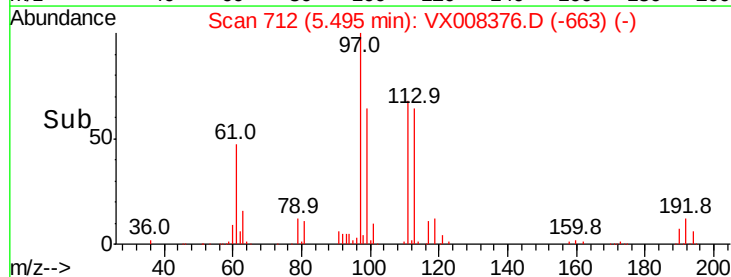
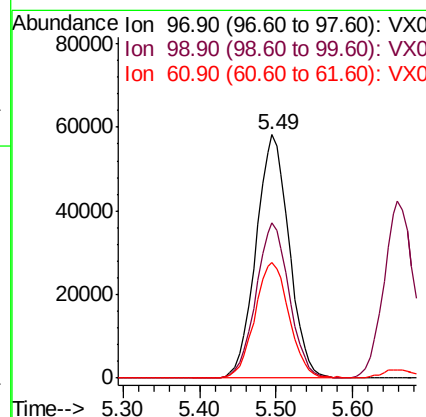
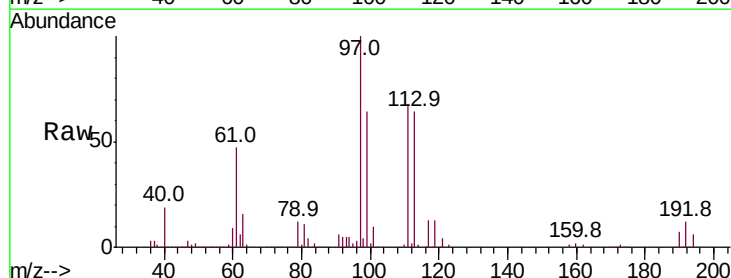
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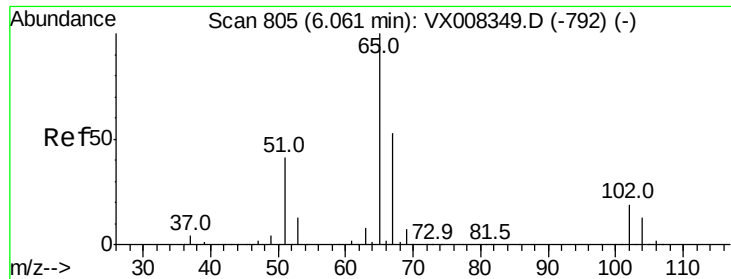
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#32
1,1,1-Trichloroethane
Concen: 49.760 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.2
61	49.3	34.9	52.3





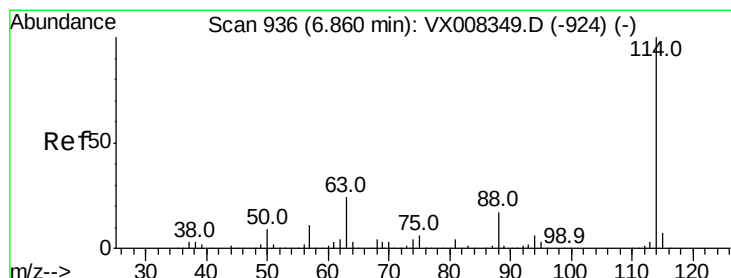
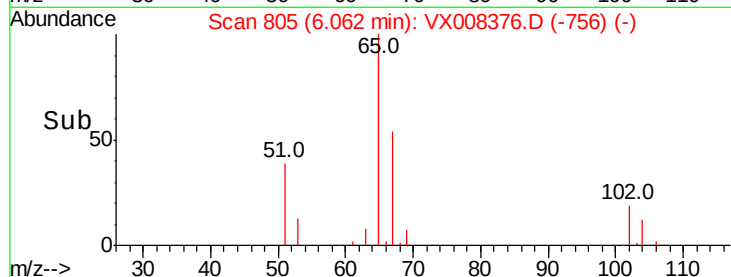
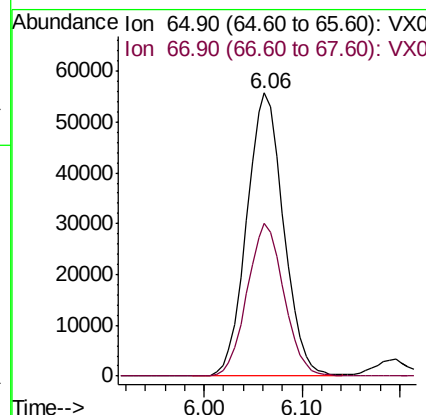
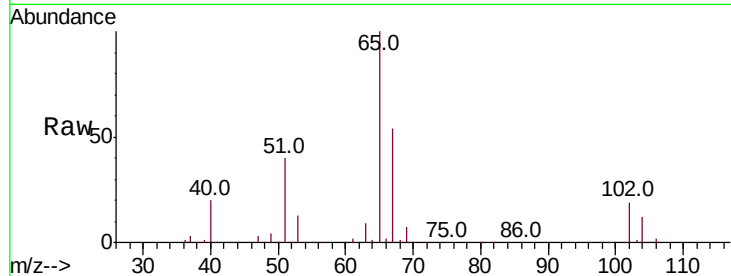
#33
 1,2-Dichloroethane-d4
 Concen: 48.340 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.0

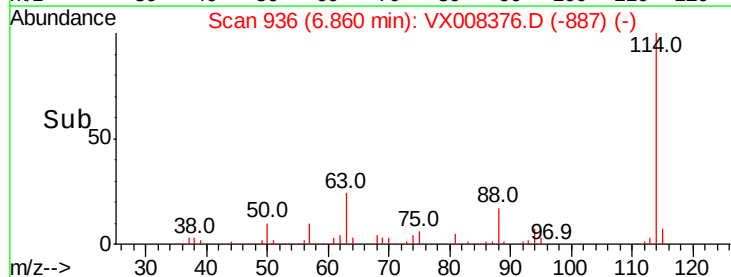
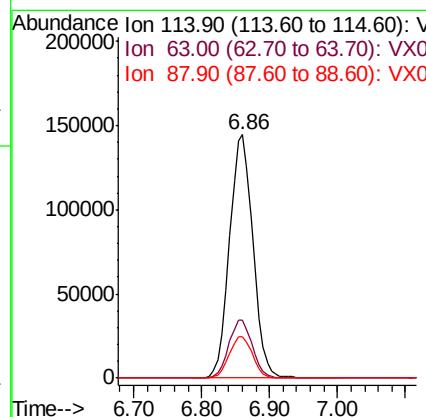
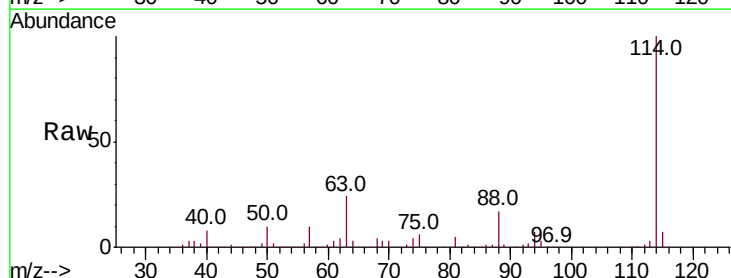
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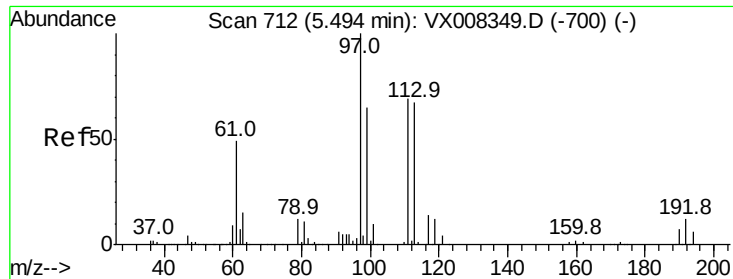
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	39.8
88	16.8	0.0	31.4





#35

Dibromofluoromethane

Concen: 47.983 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

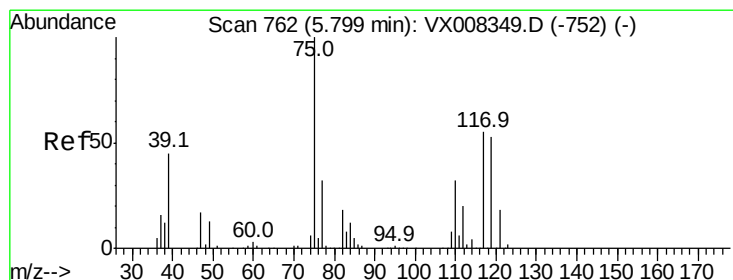
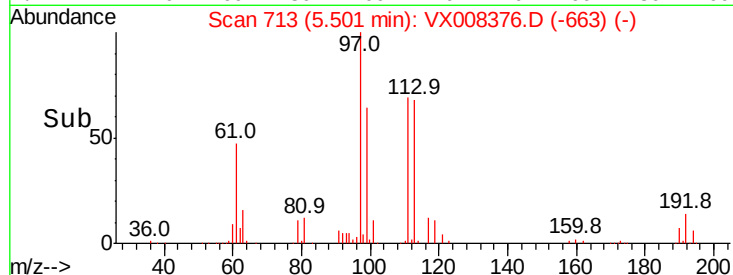
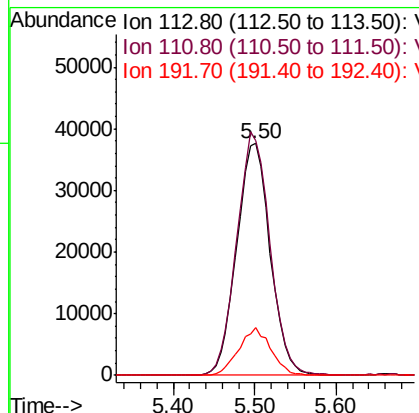
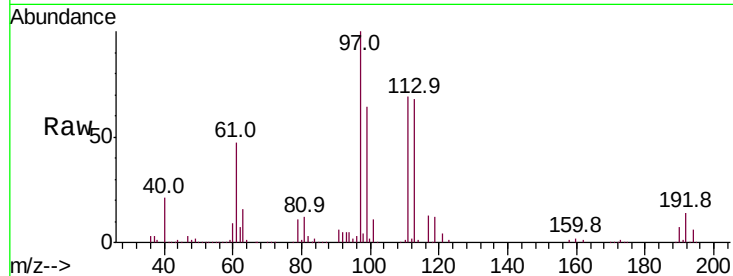
ClientSampleID :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107435		
111	103.7	81.4	122.0	
192	19.7	19.4	29.0	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.186 ug/l

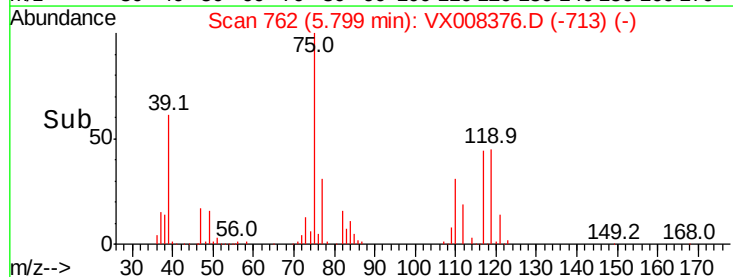
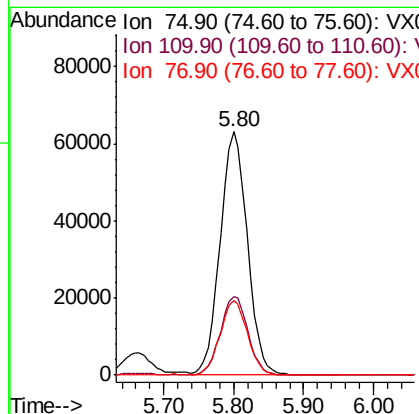
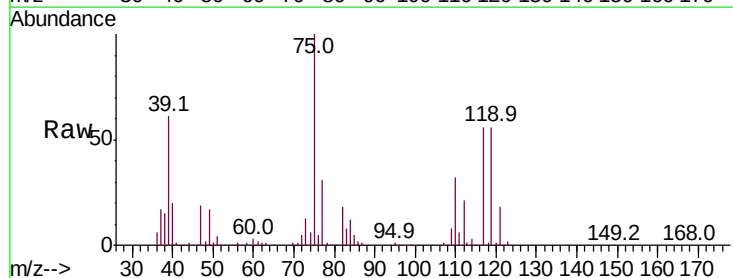
RT: 5.80 min Scan# 762

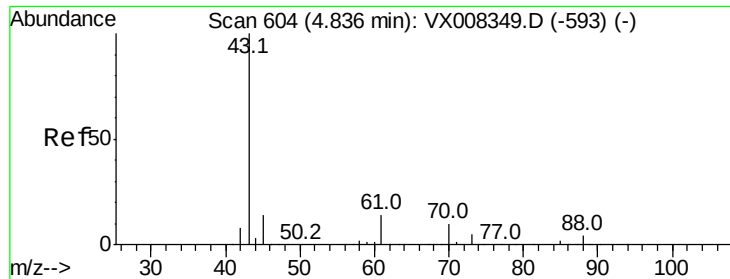
Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170160		
110	32.9	18.4	55.0	
77	31.0	25.0	37.4	





#37

Ethyl Acetate

Concen: 49.730 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008376.D

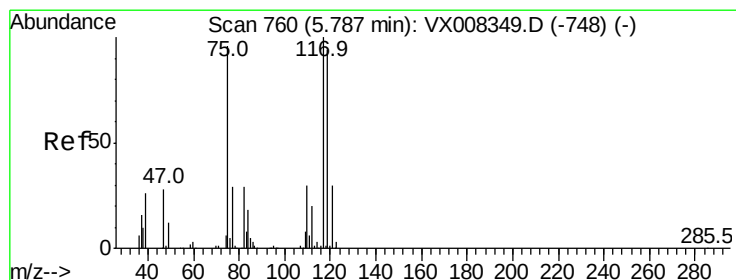
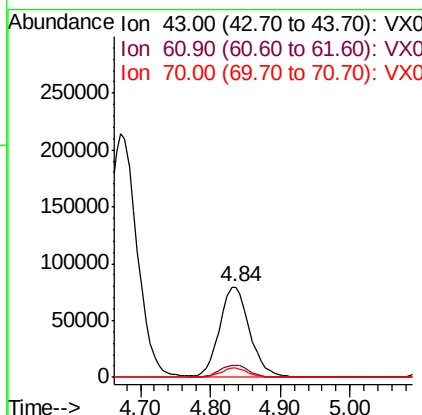
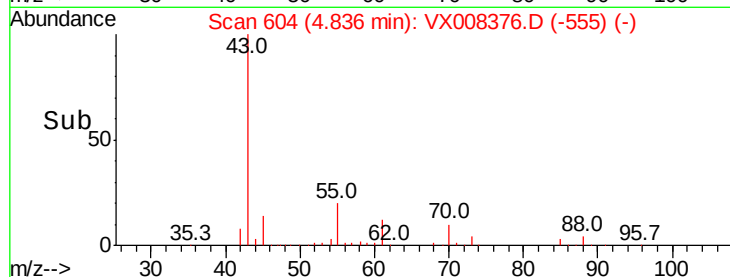
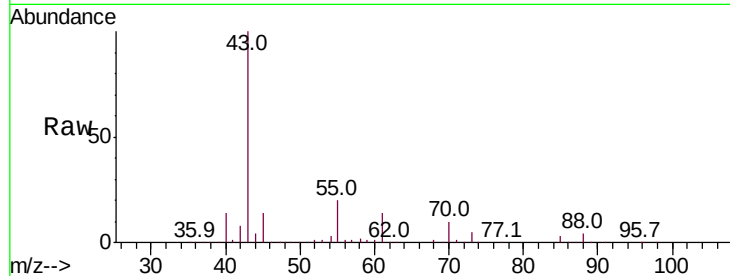
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	9.6	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.027 ug/l

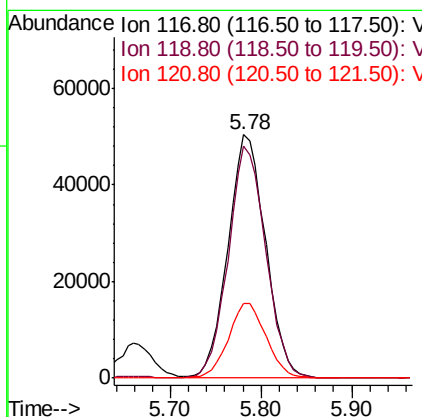
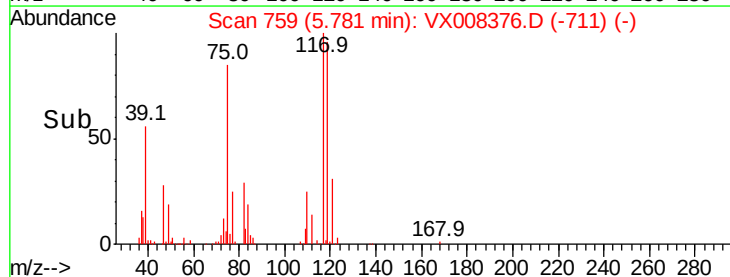
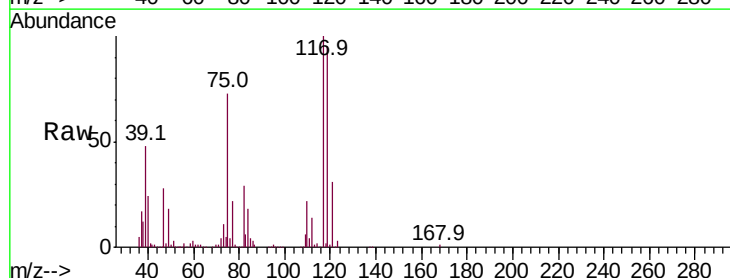
RT: 5.78 min Scan# 759

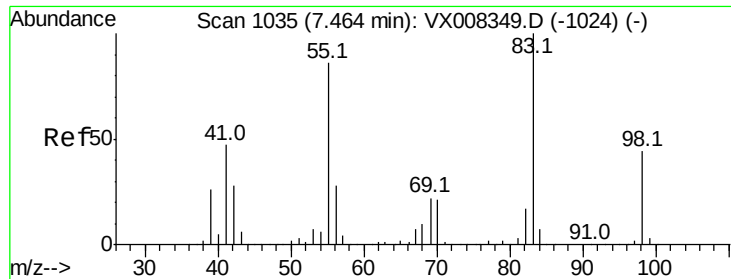
Delta R.T. -0.01 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.7	24.6	36.8





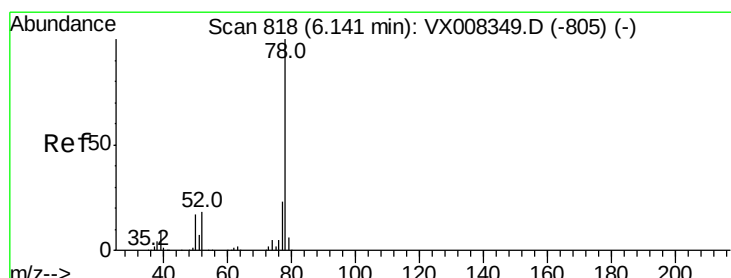
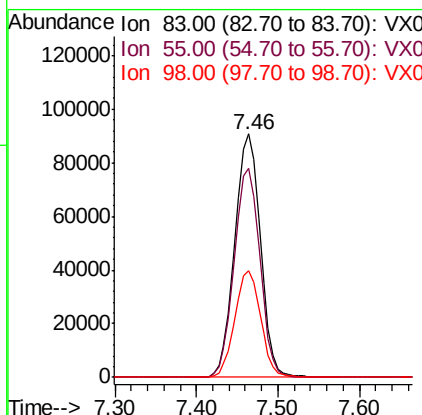
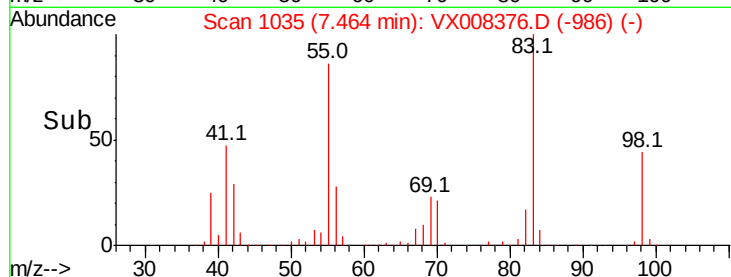
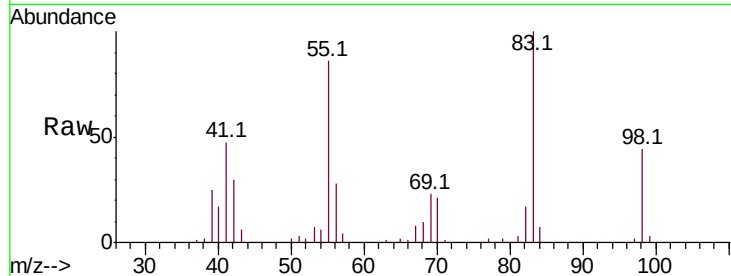
#39
Methylvlcyclohexane
Concen: 45.581 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	197296		
55	85.6	60.4	90.6	
98	44.0	36.5	54.7	

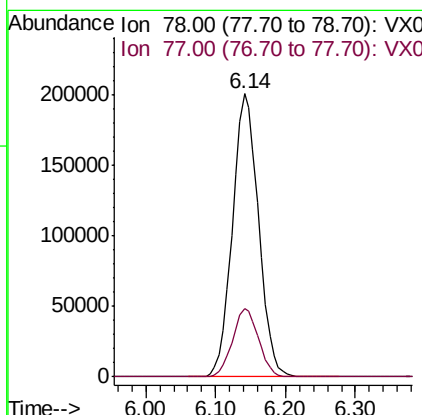
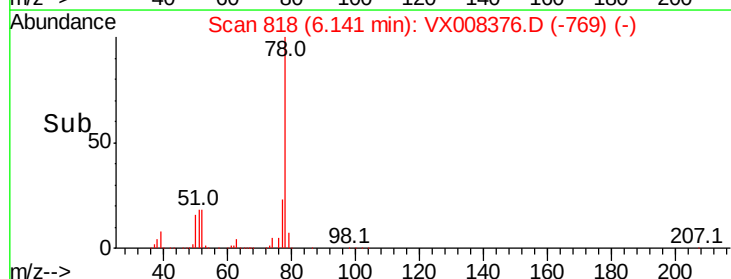
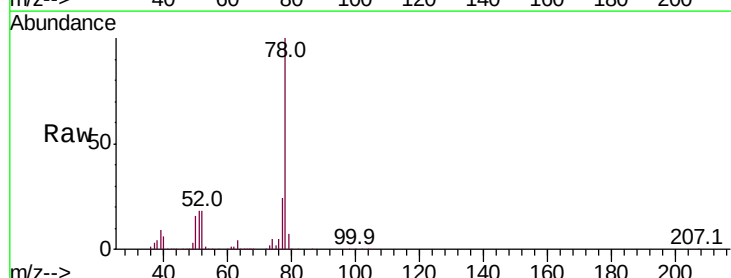
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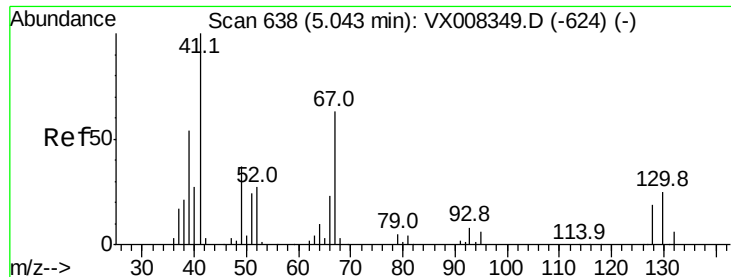
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#40
Benzene
Concen: 48.378 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	520278		
77	24.2	19.0	28.4	





#41

Methacrylonitrile

Concen: 50.889 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 41 Resp: 132567

Ion Ratio Lower Upper

41 100

39 52.8 41.6 62.4

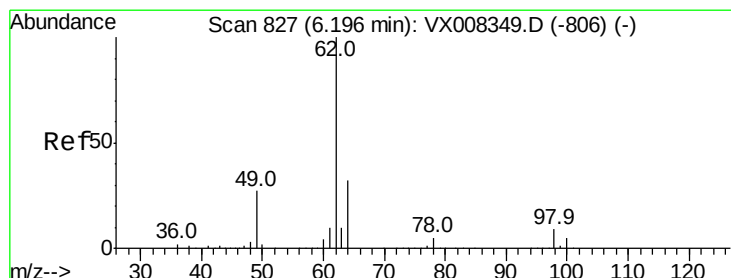
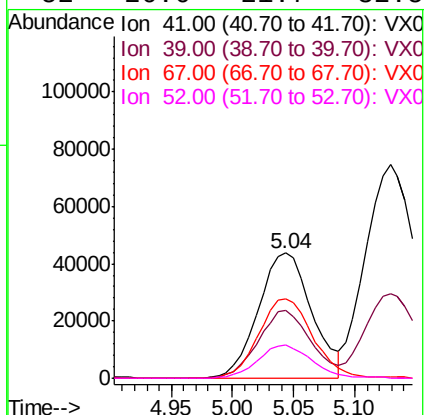
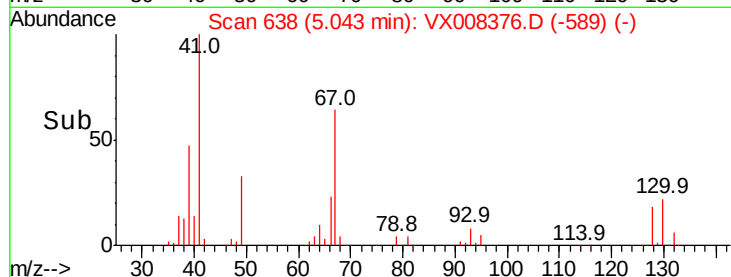
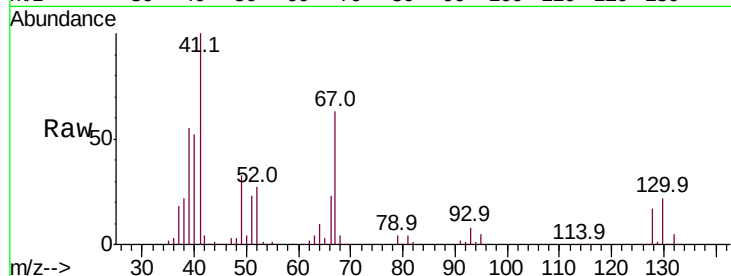
67 64.8 55.8 83.6

52 26.6 21.7 32.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.836 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008376.D

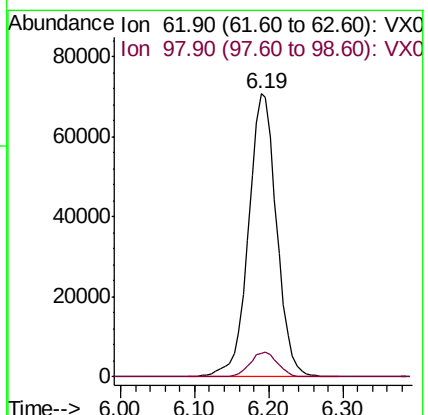
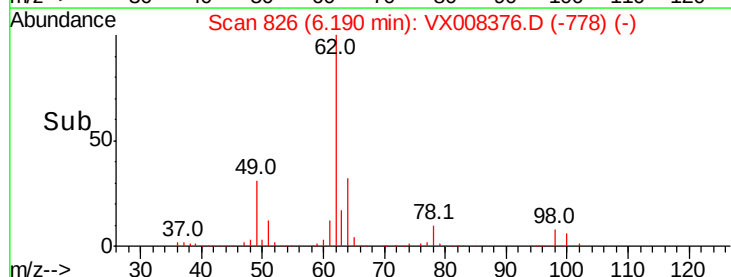
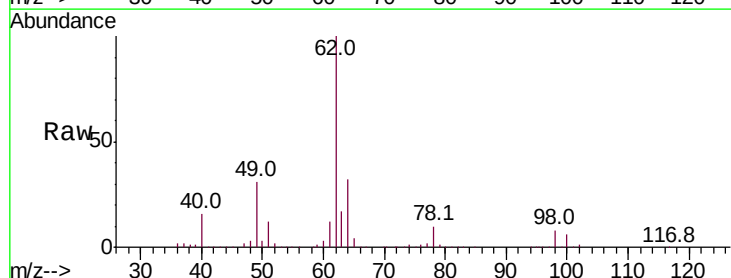
Acq: 24 Mar 2019 01:32

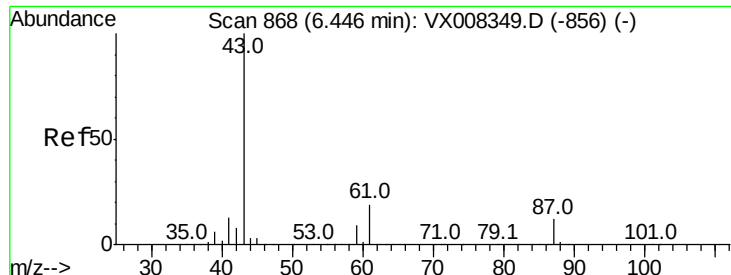
Tgt Ion: 62 Resp: 186692

Ion Ratio Lower Upper

62 100

98 8.7 0.0 20.4





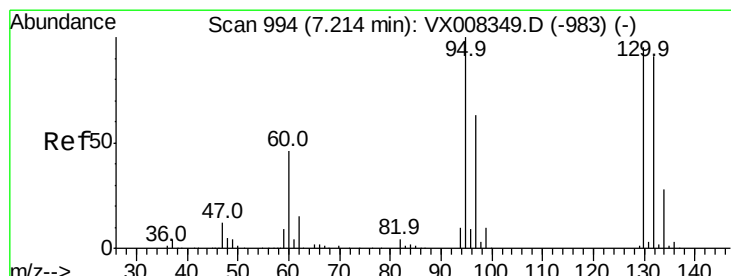
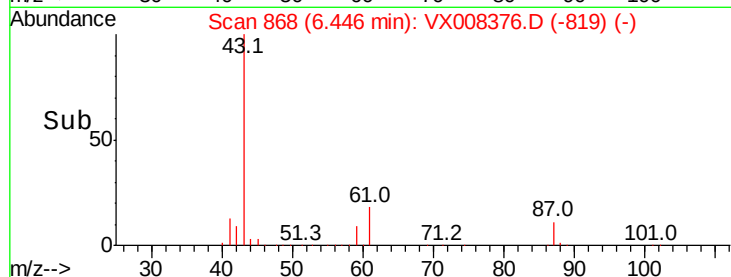
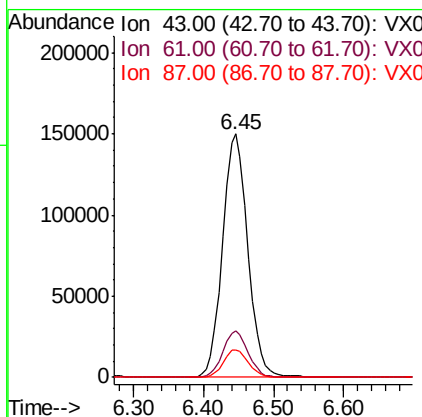
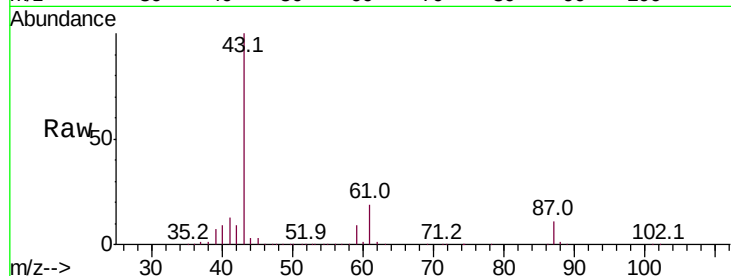
#43
Isopropyl Acetate
Concen: 50.227 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	16.3	24.5
87	11.4	10.5	15.7

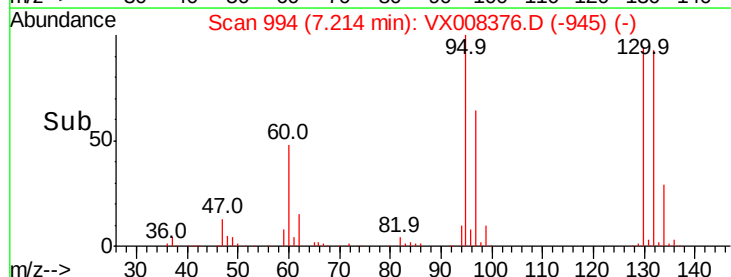
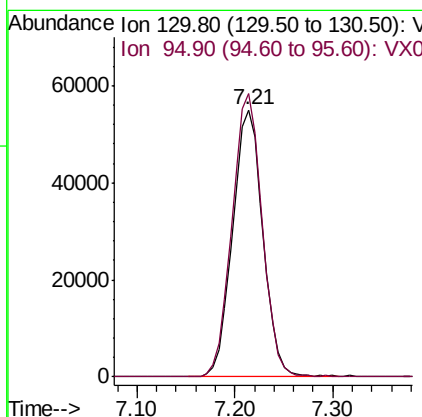
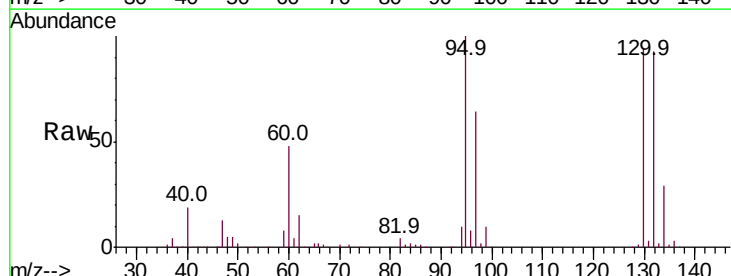
Manual Integrations
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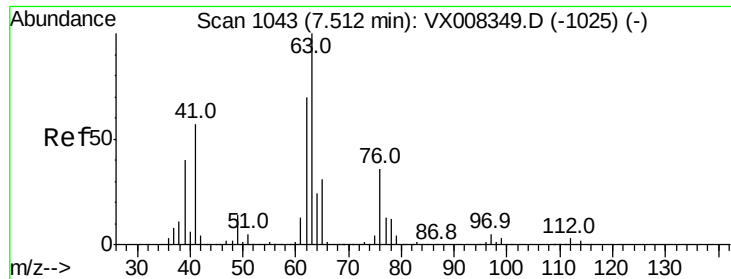
MMDadoda
3/25/2019 11:09:29 AM



#44
Trichloroethene
Concen: 47.276 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	188.0





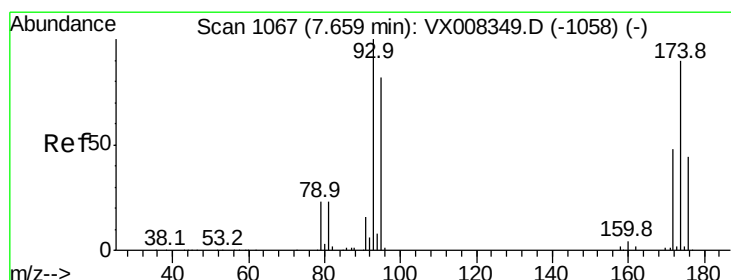
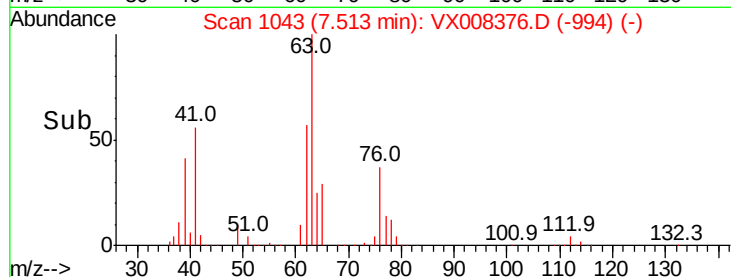
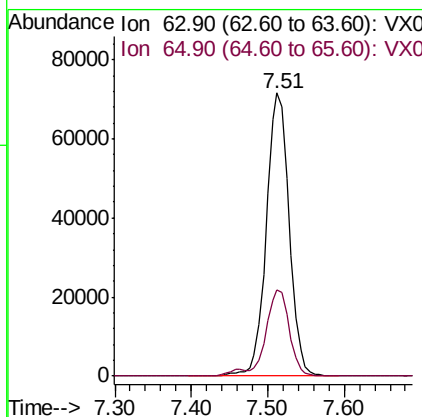
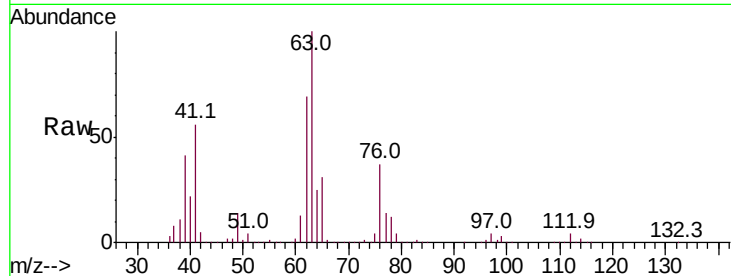
#45
 1,2-Dichloropropane
 Concen: 49.037 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 149296
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

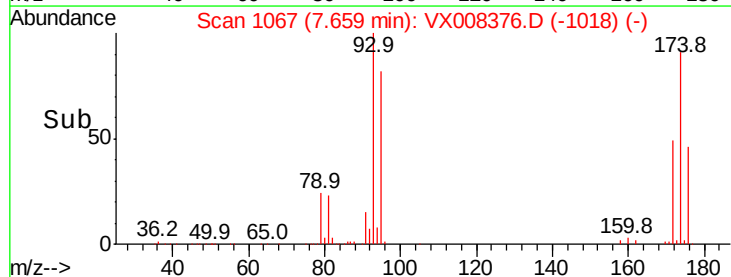
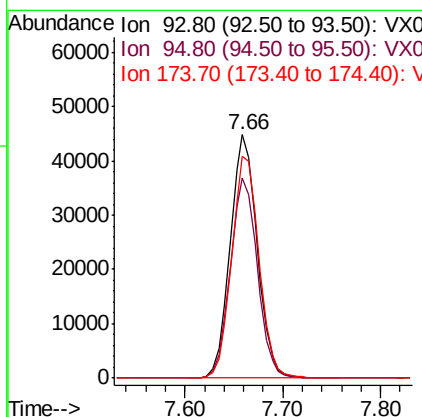
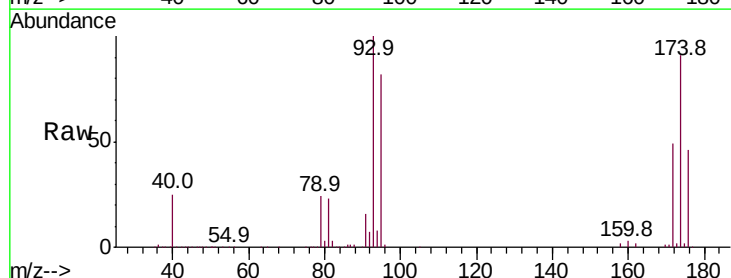
Manual Integrations
 APPROVED

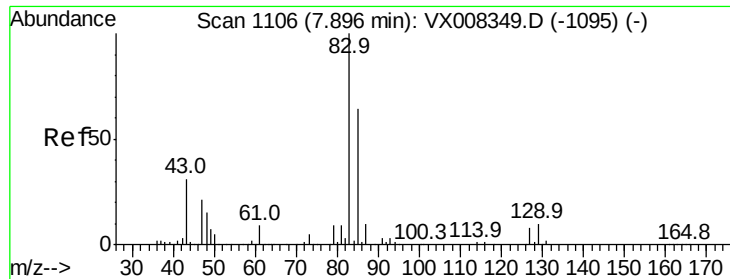
MMDadoda
 3/25/2019 11:09:29 AM



#46
 Dibromomethane
 Concen: 47.249 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion: 93 Resp: 85369
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.8 100.2
 174 92.9 97.3 145.9#





#47

Bromodichloromethane

Concen: 48.797 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

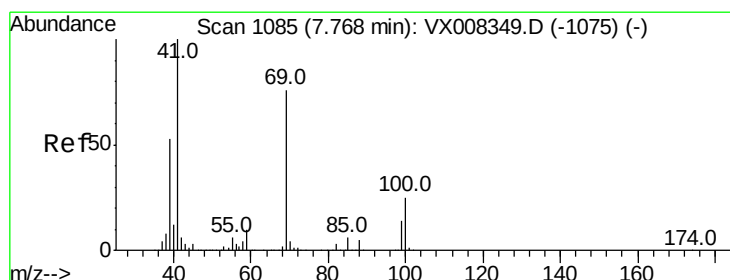
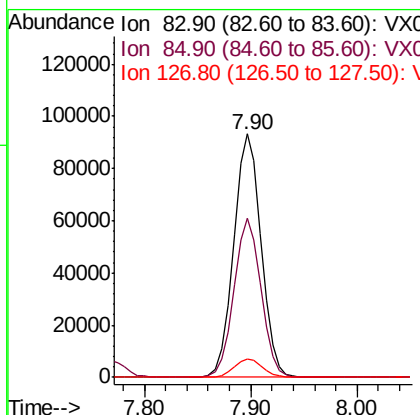
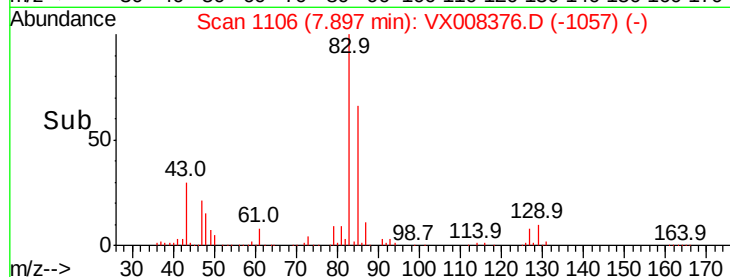
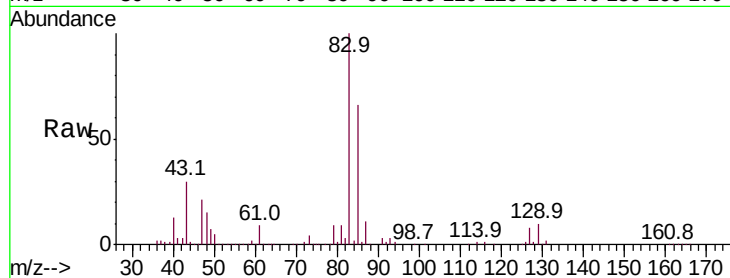
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	168169
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3
127	7.7	7.4	11.0

Manual Integrations
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MMDadoda
3/25/2019 11:09:29 AM



#48

Methyl methacrylate

Concen: 50.434 ug/l

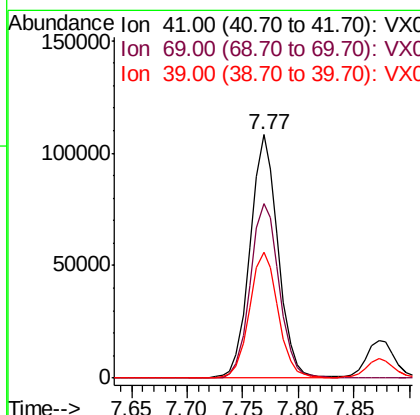
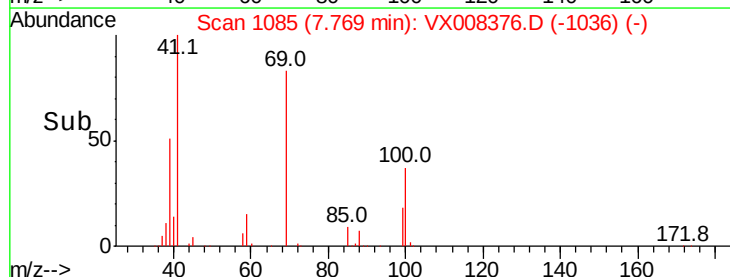
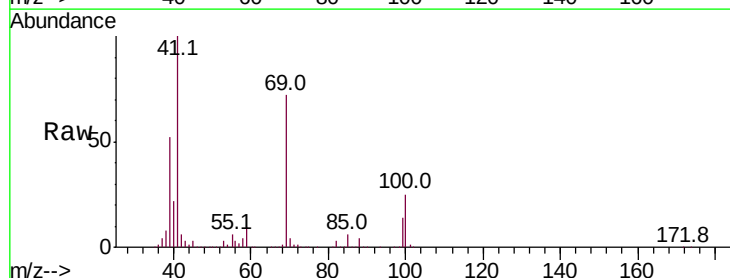
RT: 7.77 min Scan# 1085

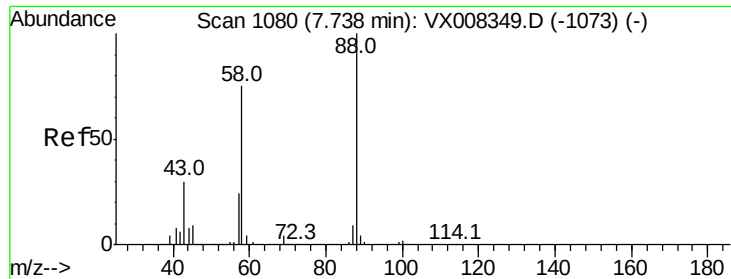
Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion:	41	Resp:	189395
Ion	Ratio	Lower	Upper
41	100		
69	74.8	65.2	97.8
39	52.8	39.4	59.2





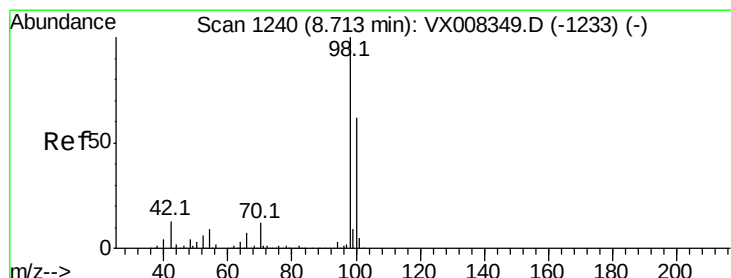
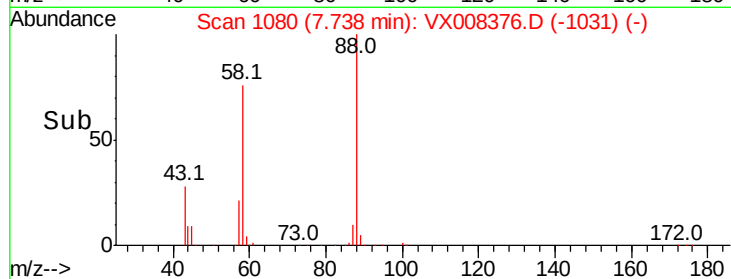
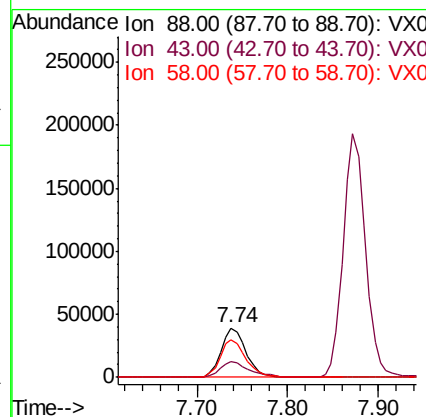
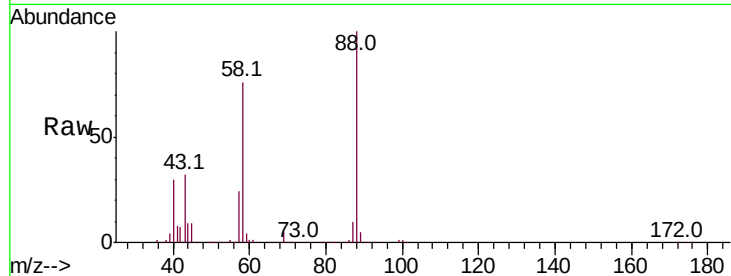
#49
1,4-Dioxane
Concen: 997.282 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	25.1	37.7
58	78.1	57.8	86.6

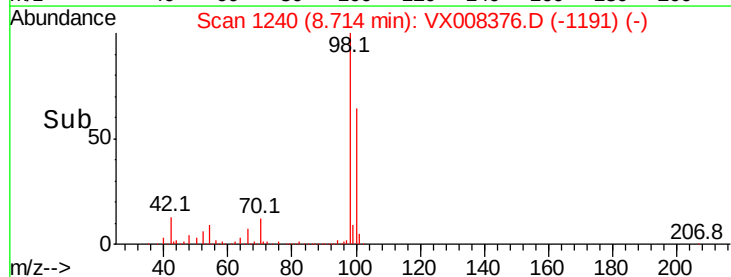
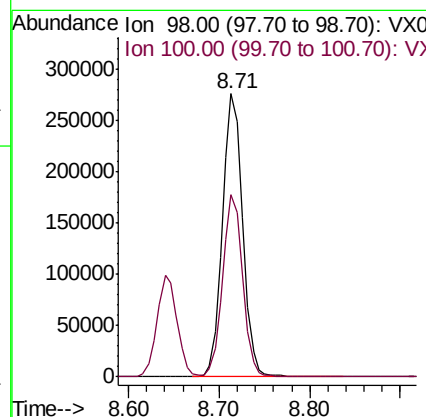
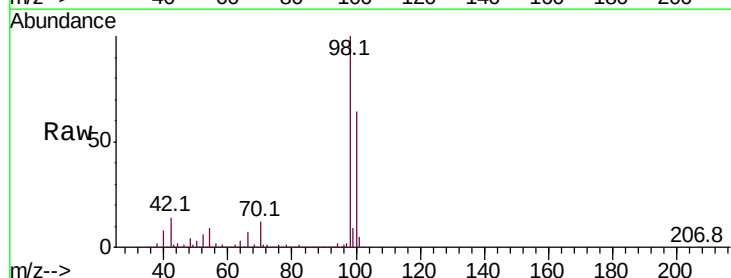
Manual Integrations
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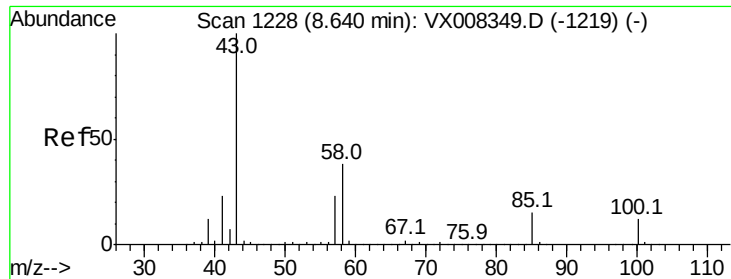
MMDadoda
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#50
Toluene-d8
Concen: 48.617 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 252.563 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1233243

Ion Ratio Lower Upper

43 100

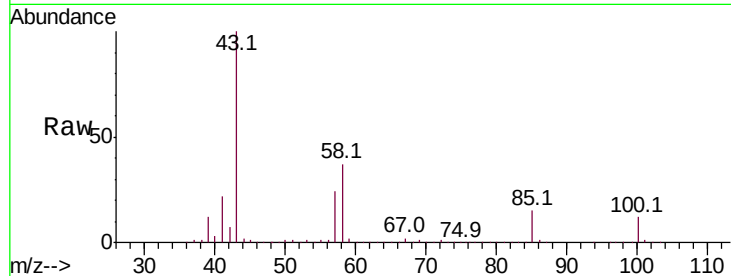
58 37.4 31.3 46.9

Manual Integrations

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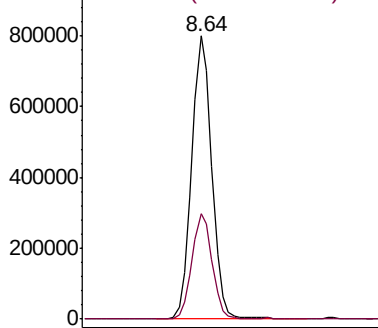
MMDadoda

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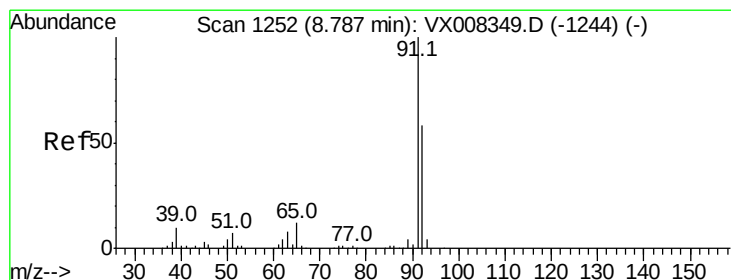
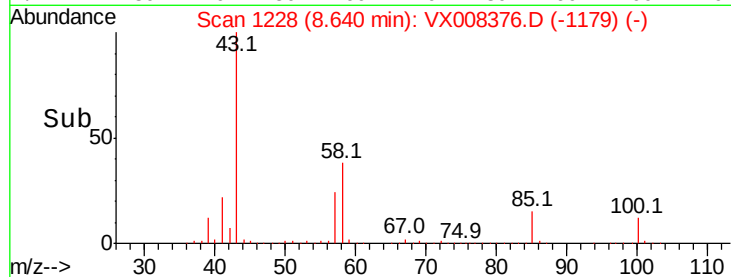


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 49.337 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008376.D

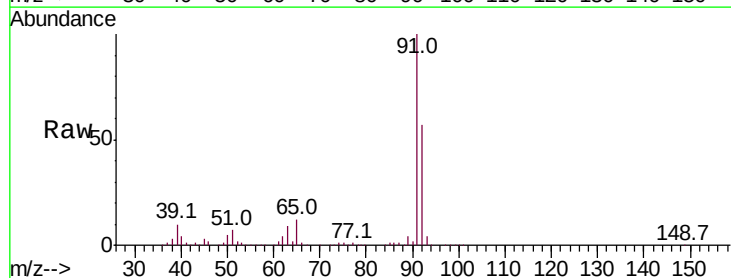
Acq: 24 Mar 2019 01:32

Tgt Ion: 92 Resp: 311125

Ion Ratio Lower Upper

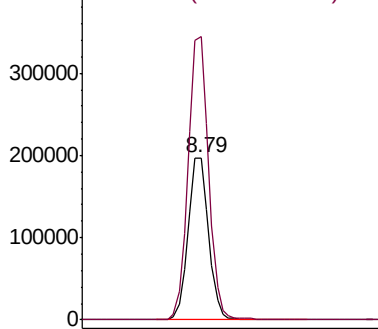
92 100

91 174.6 137.4 206.0

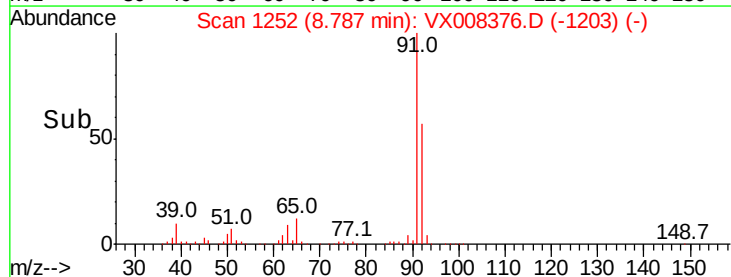


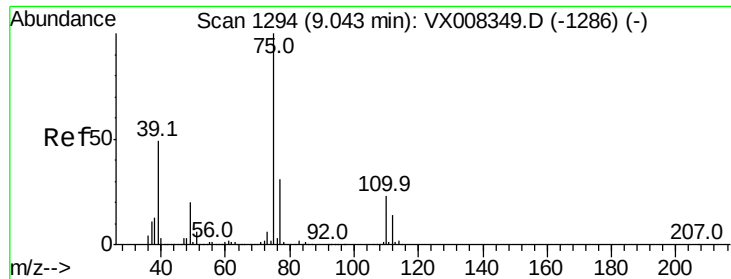
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





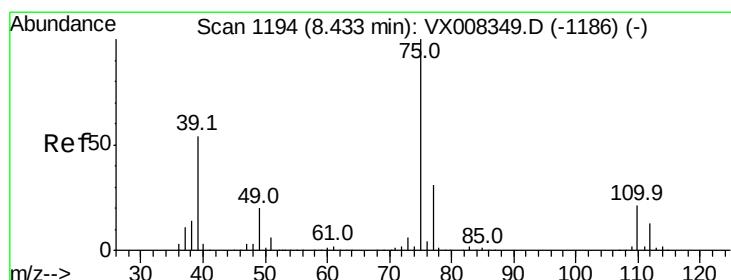
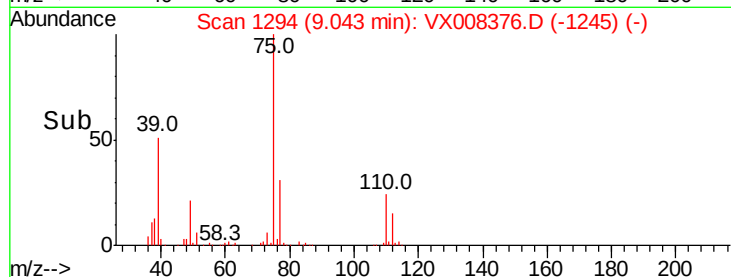
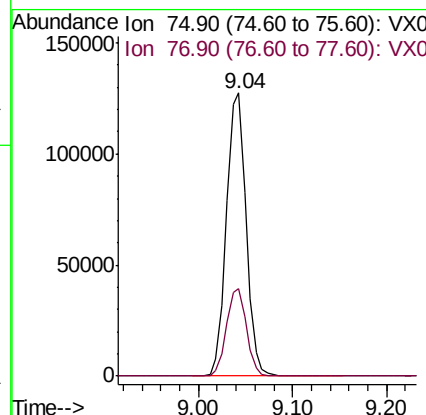
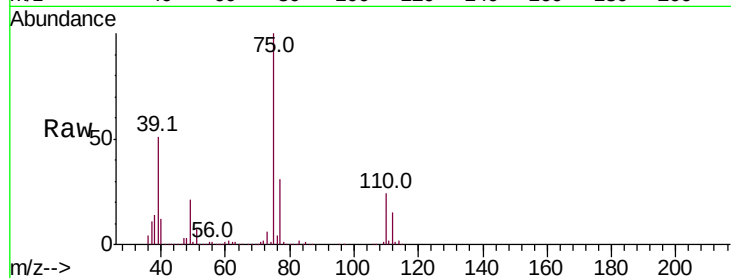
#53
 t-1,3-Dichloropropene
 Concen: 49.983 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

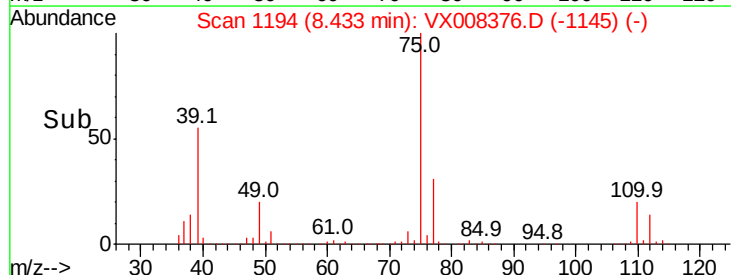
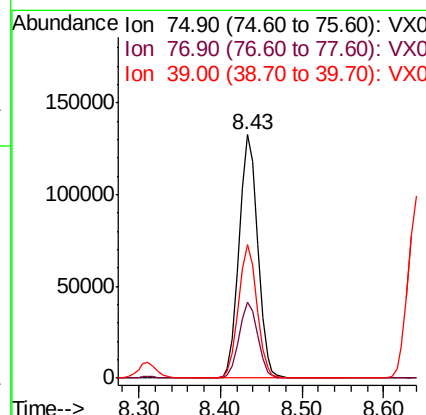
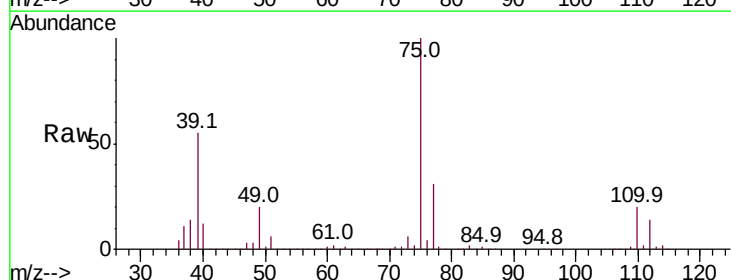
Manual Integrations
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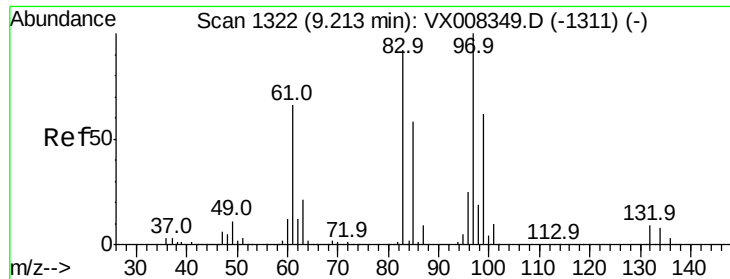
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 3/25/2019 11:09:29 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.198 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6
39	54.7	36.6	54.8





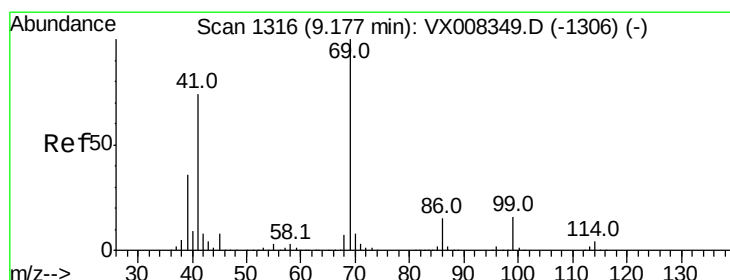
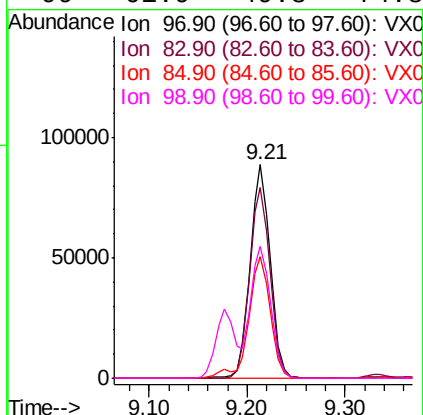
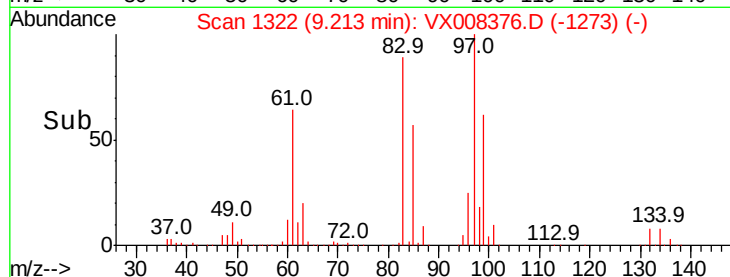
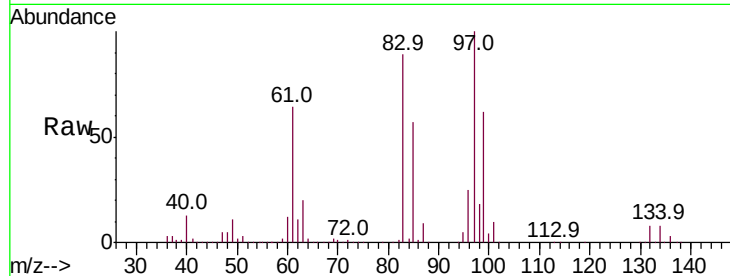
#55
 1,1,2-Trichloroethane
 Concen: 48.327 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.1	103.7
85	56.8	44.3	66.5
99	61.9	49.8	74.8

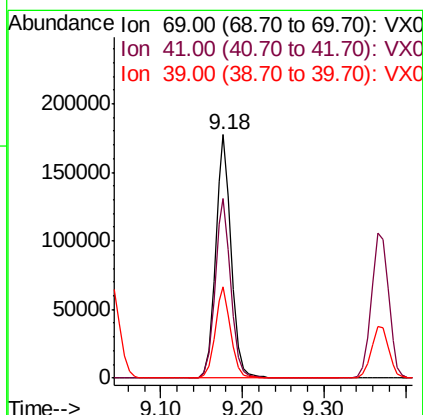
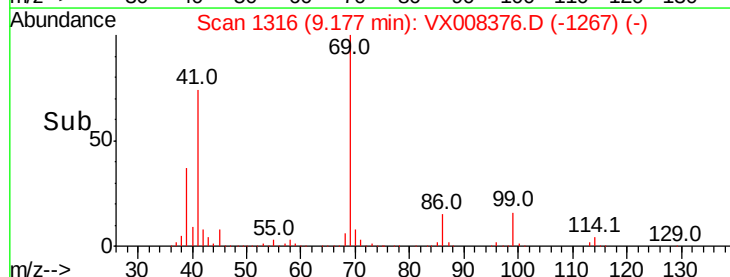
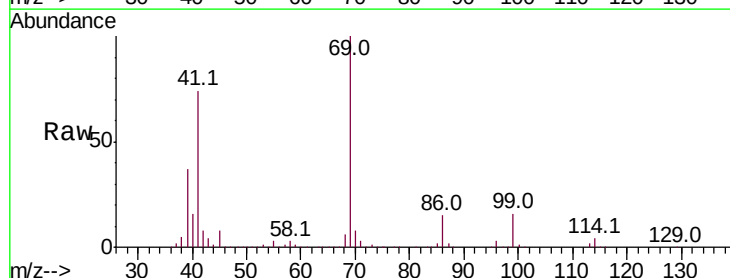
Manual Integrations
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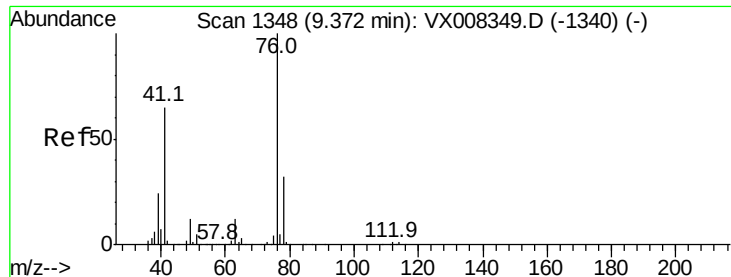
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#56
 Ethyl methacrylate
 Concen: 51.605 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.3	54.2	81.4
39	37.1	25.0	37.4





#57

1,3-Dichloropropane

Concen: 48.754 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

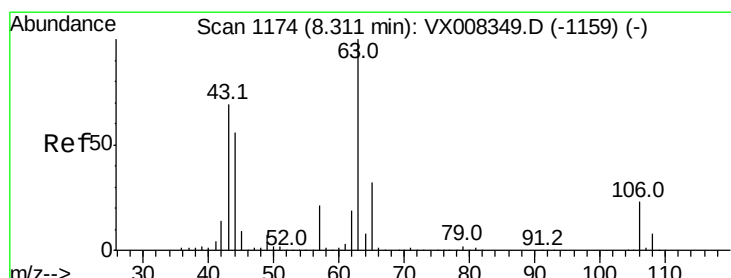
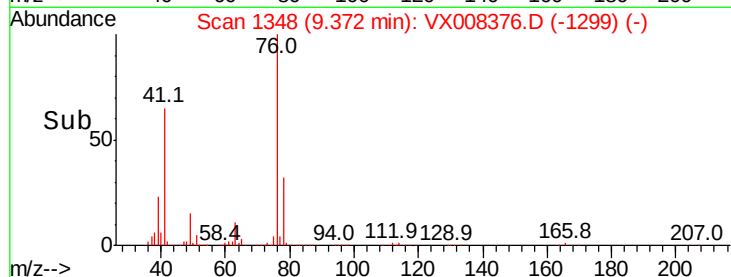
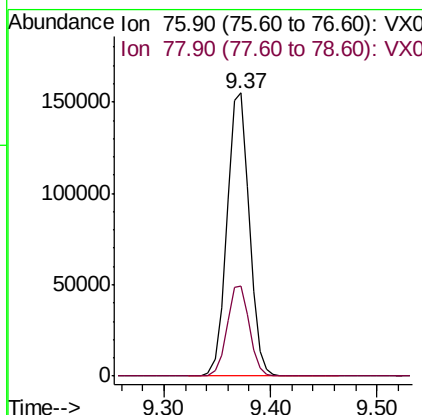
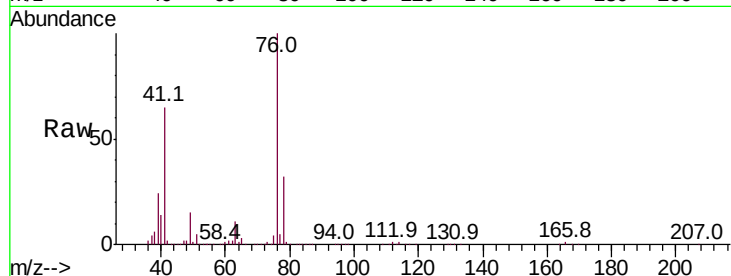
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 227503

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 248.726 ug/l

RT: 8.31 min Scan# 1174

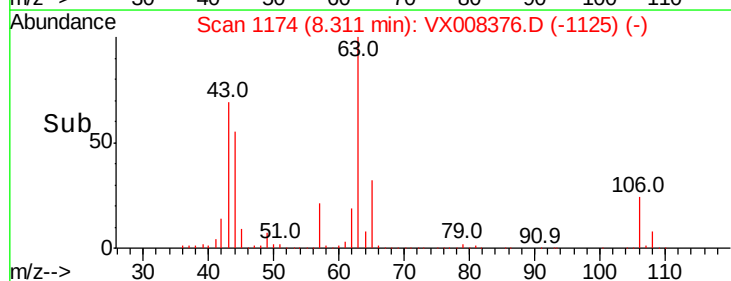
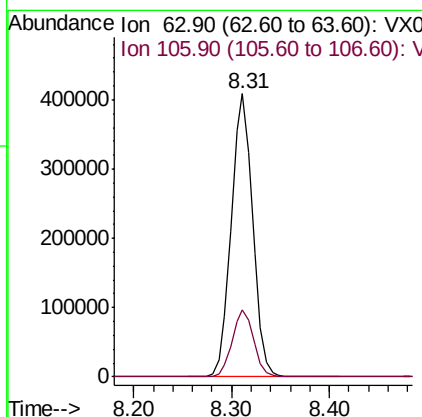
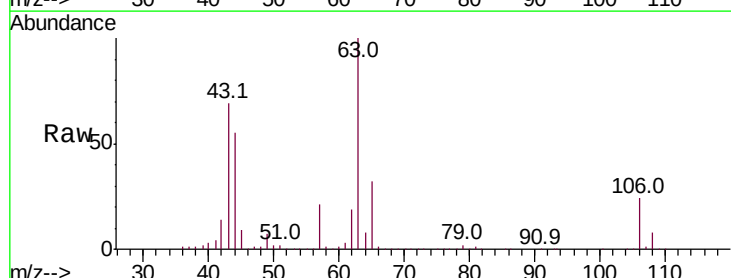
Delta R.T. 0.00 min

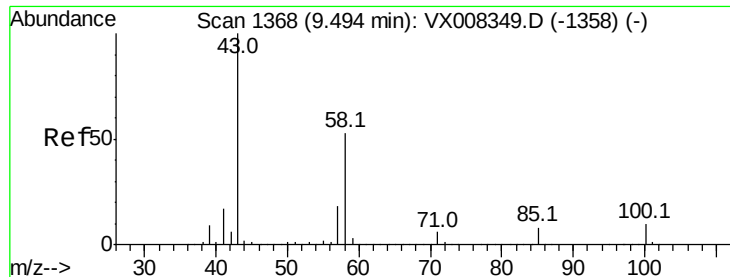
Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion: 63 Resp: 621886

Ion	Ratio	Lower	Upper
63	100		
106	23.7	22.2	33.2





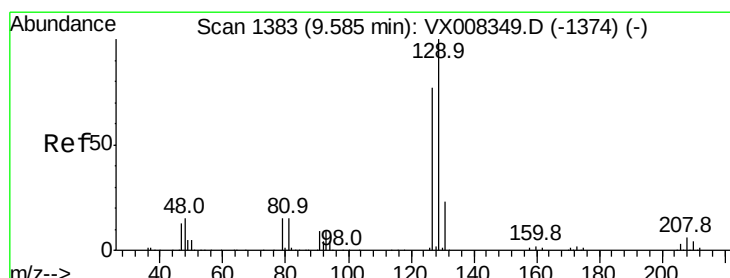
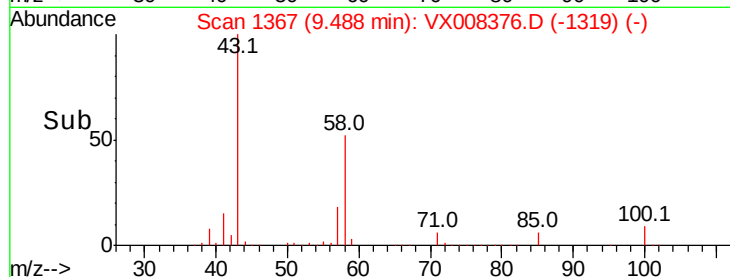
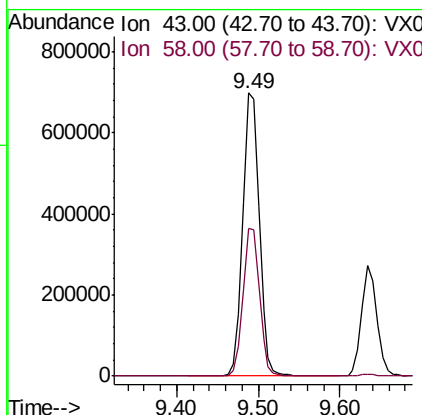
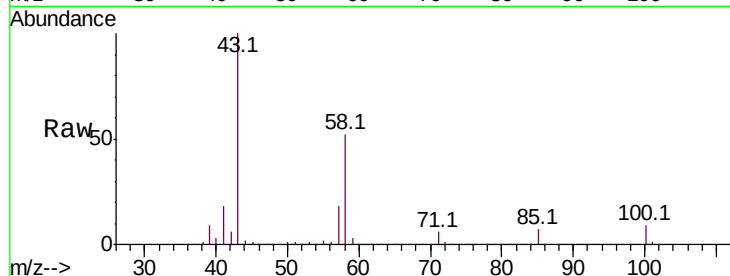
#59
2-Hexanone
Concen: 259.509 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 972744
Ion Ratio Lower Upper
43 100
58 52.3 27.6 82.7

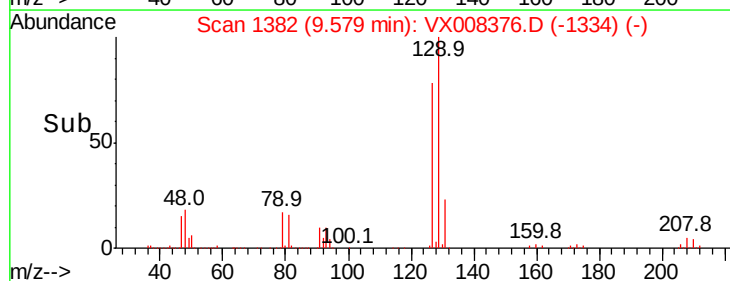
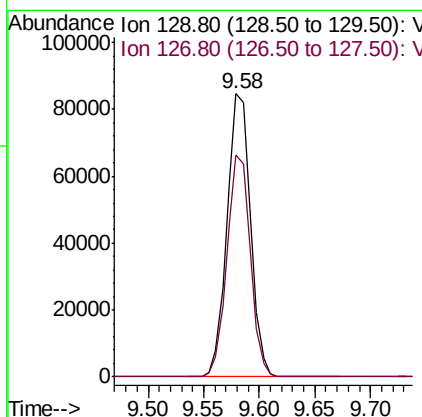
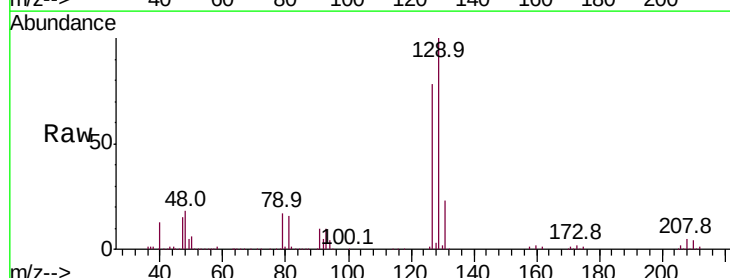
Manual Integrations
APPROVED

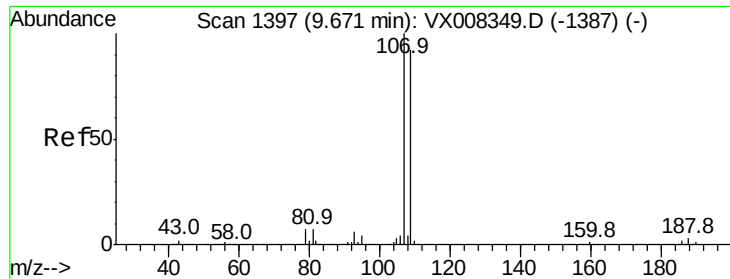
MMDadoda
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#60
Dibromochloromethane
Concen: 50.847 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion: 129 Resp: 123625
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.8





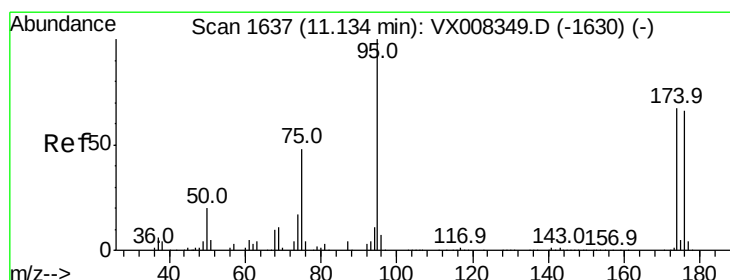
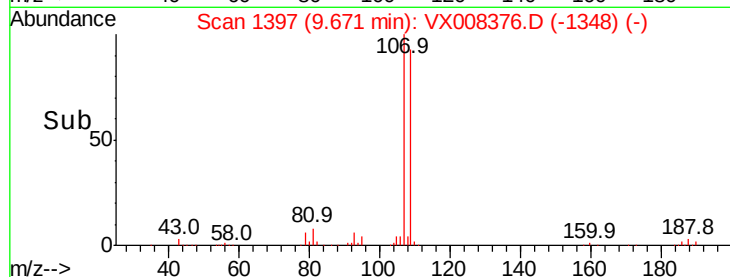
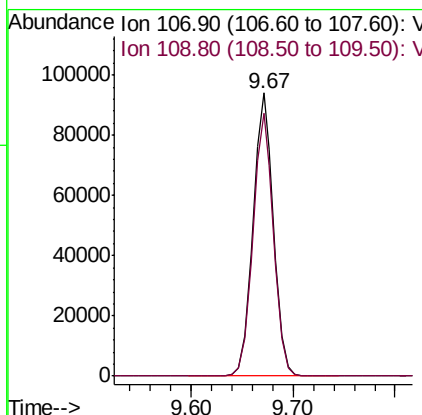
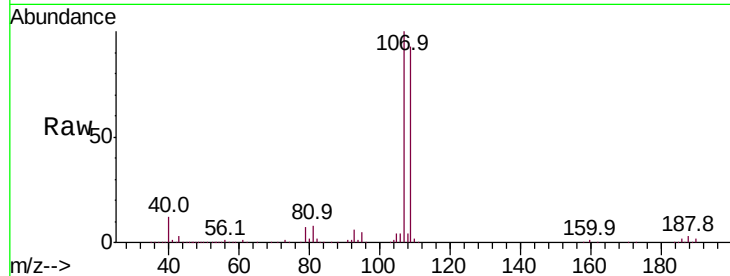
#61
 1,2-Dibromoethane
 Concen: 49.673 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.8	113.8

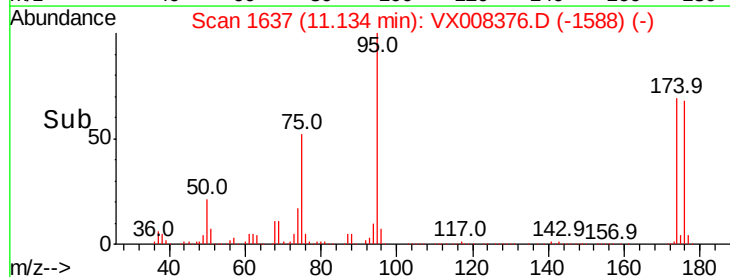
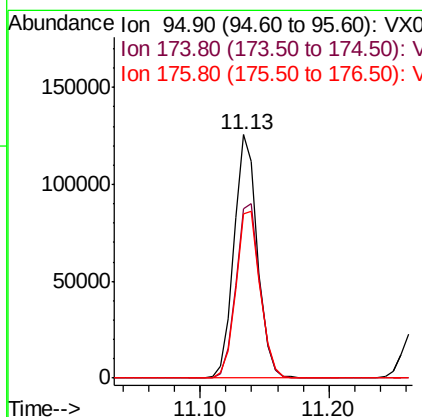
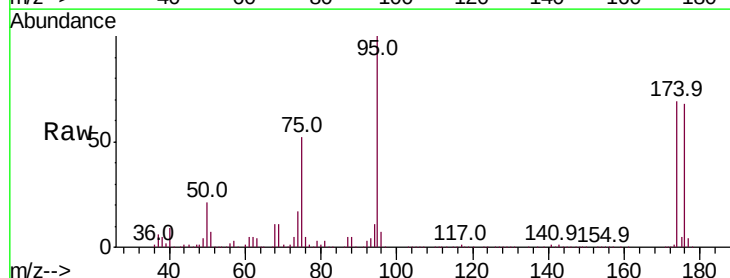
Manual Integrations
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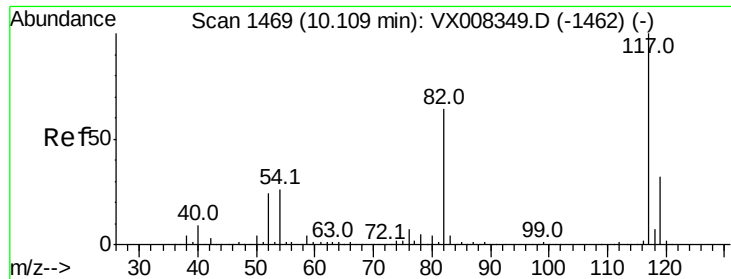
MMDadoda
 3/25/2019 11:09:29 AM



#62
 4-Bromofluorobenzene
 Concen: 48.877 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	182.8
176	71.3	0.0	178.0





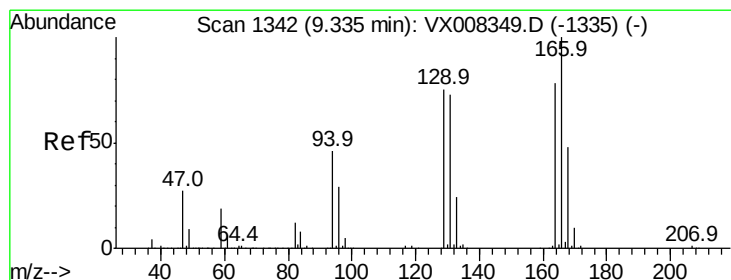
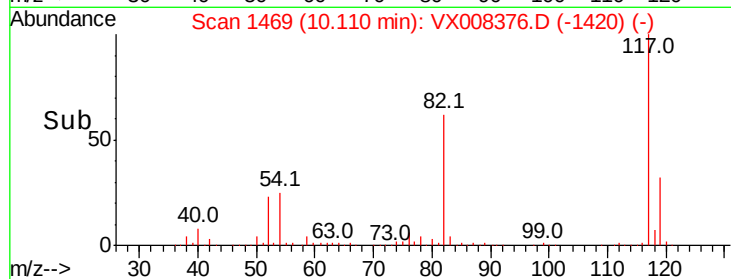
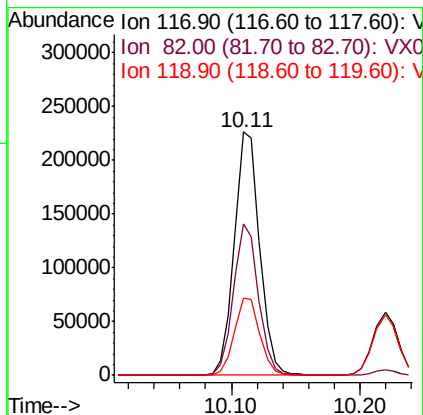
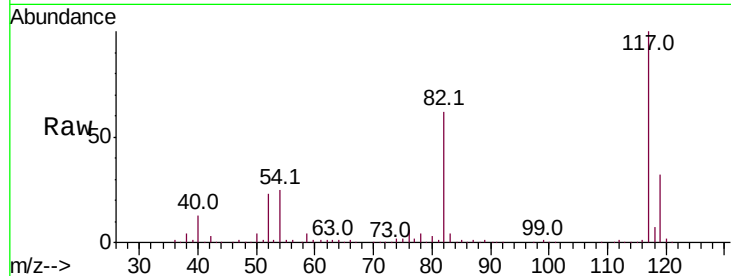
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	44.3	66.5
119	31.8	25.3	37.9

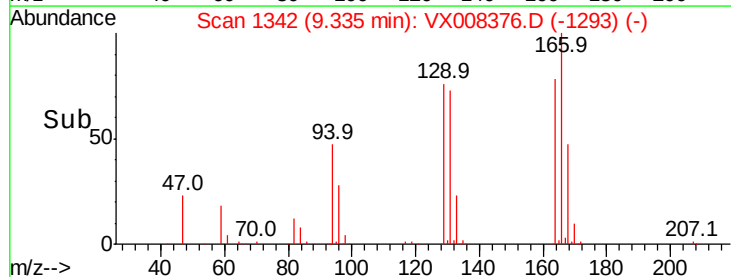
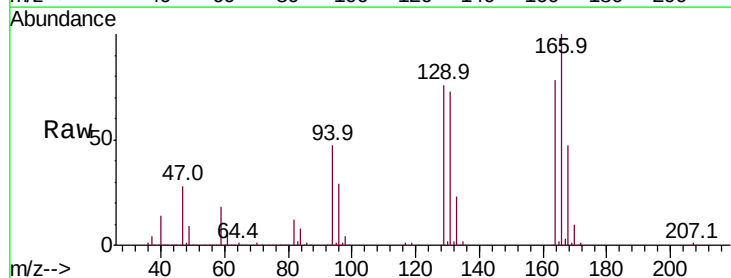
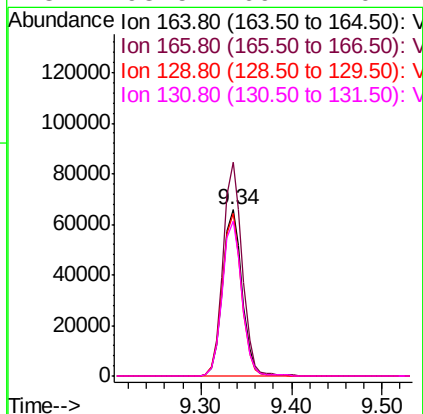
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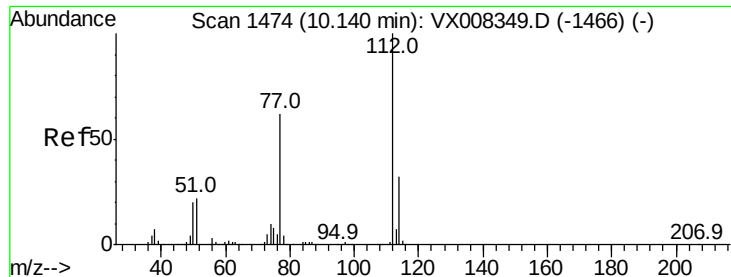
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#64
Tetrachloroethene
Concen: 48.031 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.4	155.0
129	98.0	72.2	108.4
131	93.5	69.4	104.2





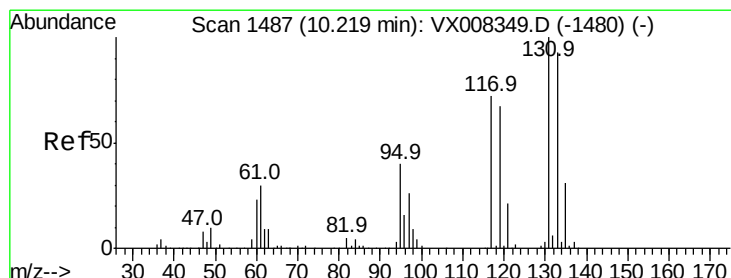
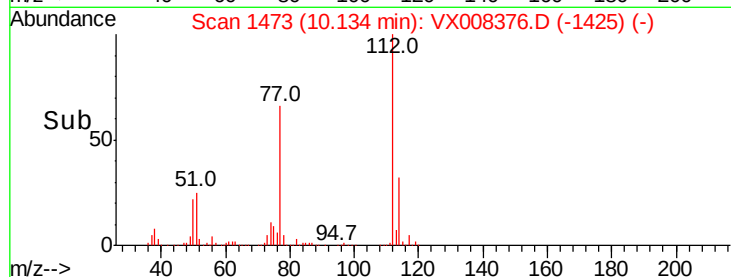
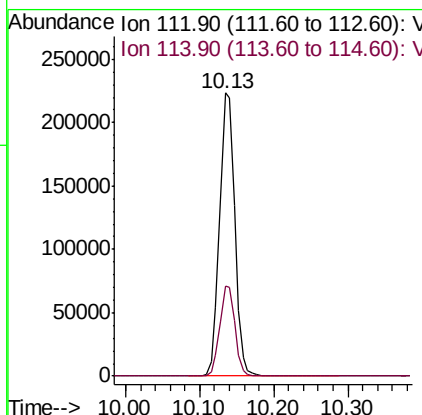
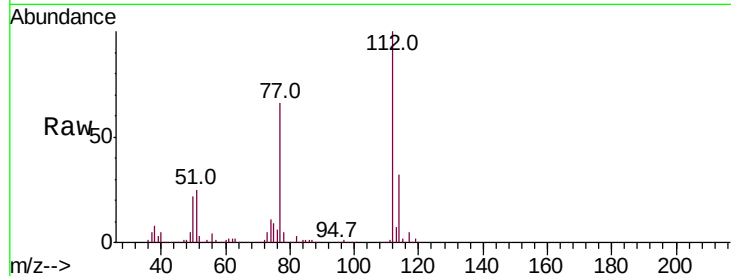
#65
Chlorobenzene
Concen: 48.143 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 314846
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0

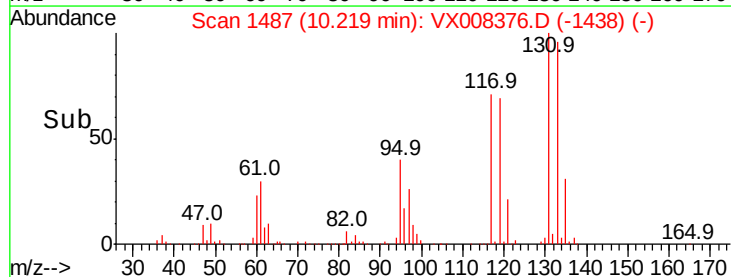
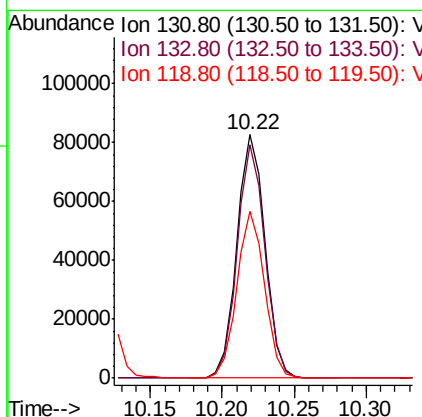
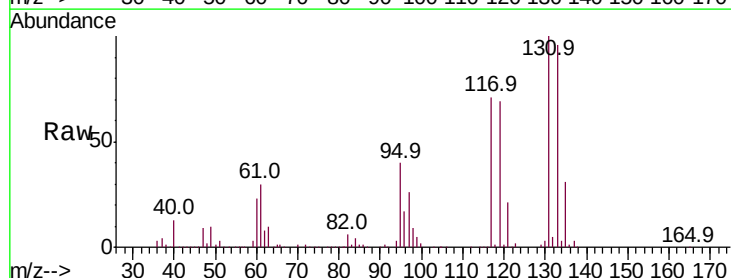
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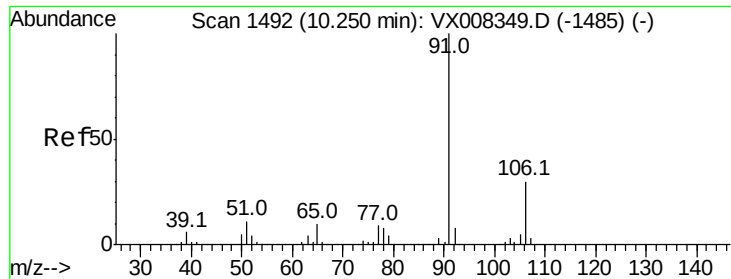
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.569 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion:131 Resp: 112418
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 67.6 32.5 97.5





#67

Ethyl Benzene

Concen: 48.685 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 596172

Ion Ratio Lower Upper

91 100

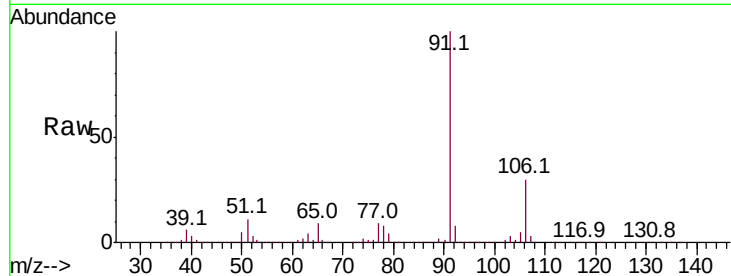
106 29.6 25.2 37.8

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Abundance Ion 91.00 (90.70 to 91.70): VX008349.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX008349.D (-1485) (-)

600000

400000

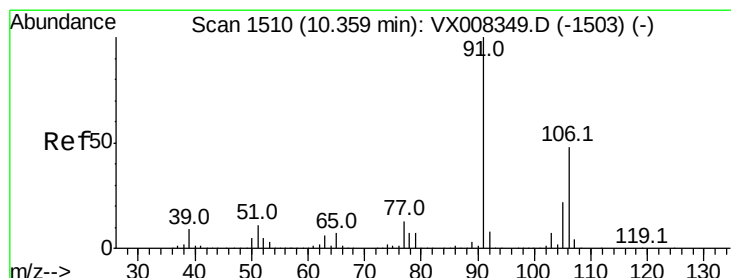
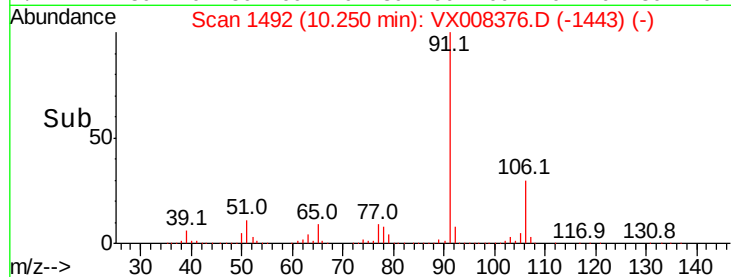
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 98.700 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008376.D

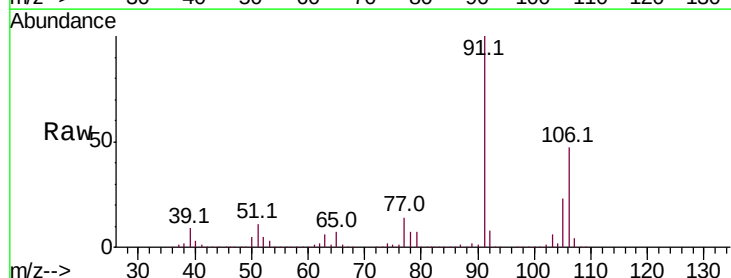
Acq: 24 Mar 2019 01:32

Tgt Ion: 106 Resp: 434261

Ion Ratio Lower Upper

106 100

91 211.4 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VX008349.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX008349.D (-1503) (-)

600000

400000

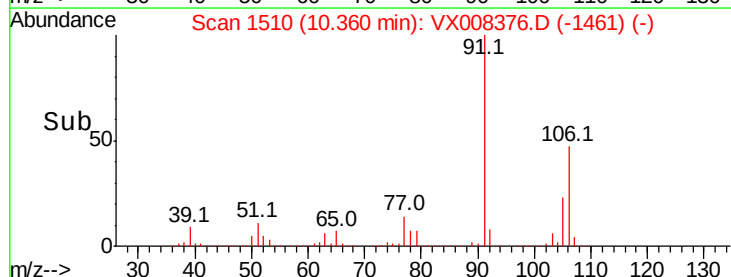
200000

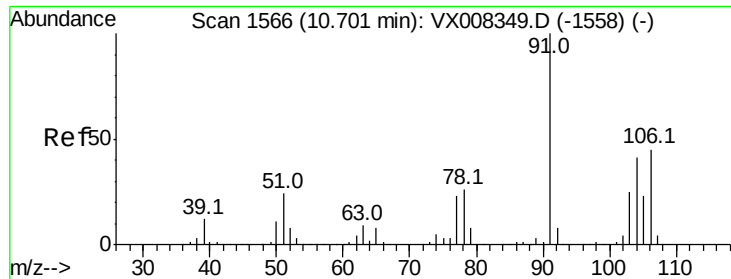
0

10.30

10.40

Time-->





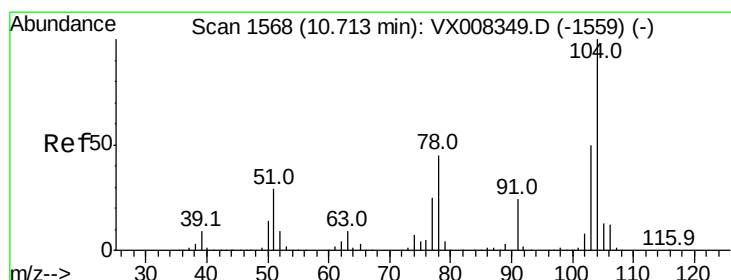
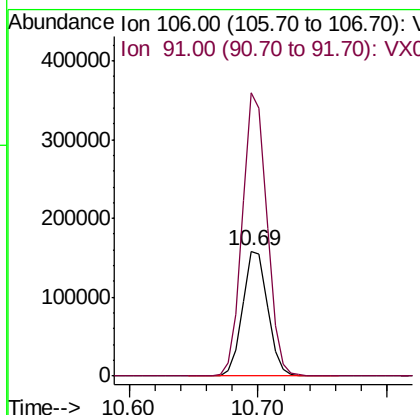
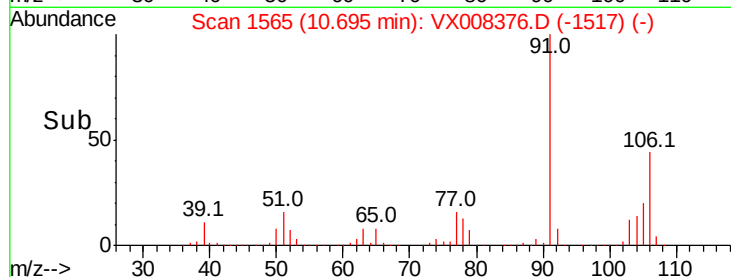
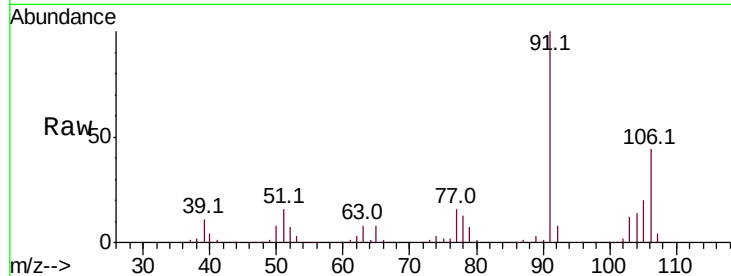
#69
o-Xylene
Concen: 49.494 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 212938
Ion Ratio Lower Upper
106 100
91 222.1 106.3 318.9

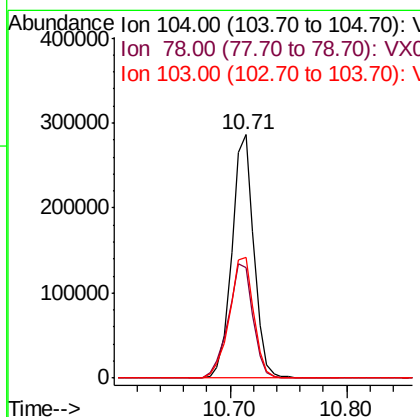
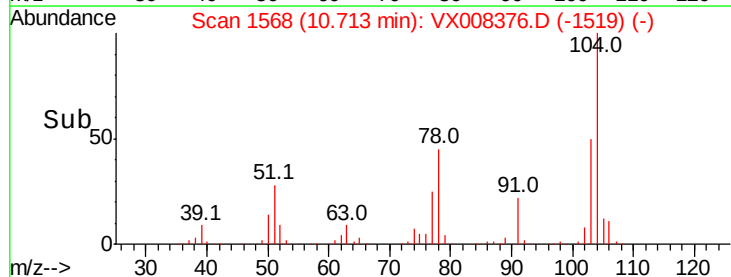
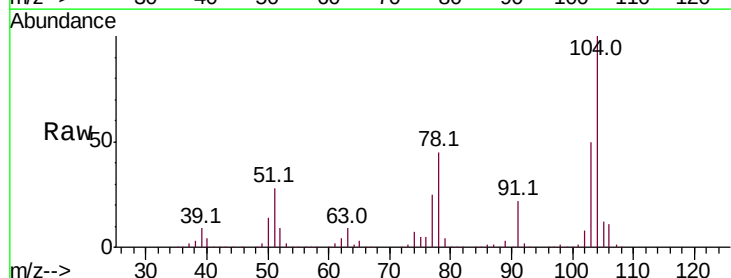
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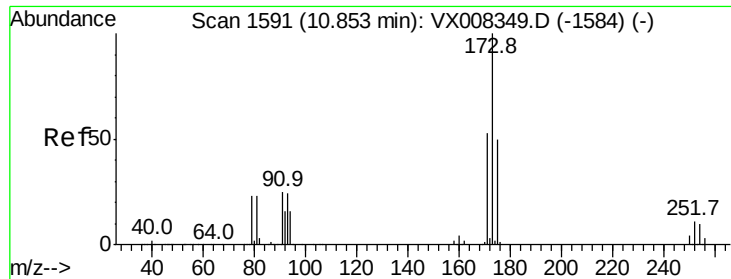
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#70
Styrene
Concen: 50.298 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion:104 Resp: 375287
Ion Ratio Lower Upper
104 100
78 52.6 38.5 57.7
103 55.0 44.1 66.1





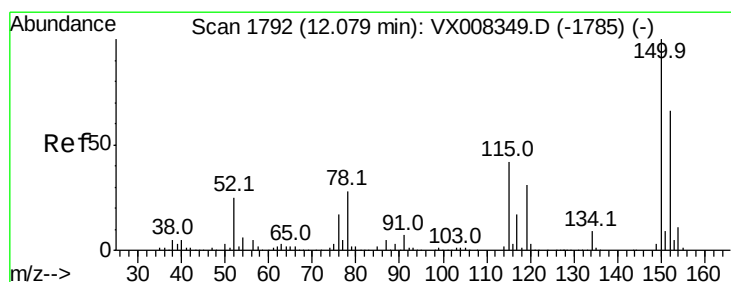
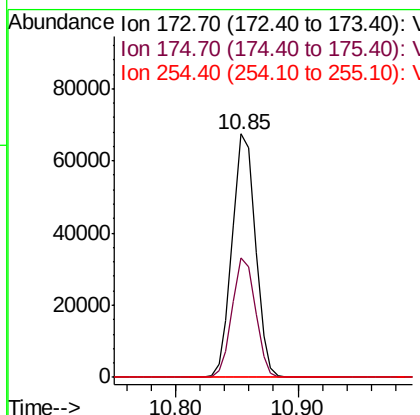
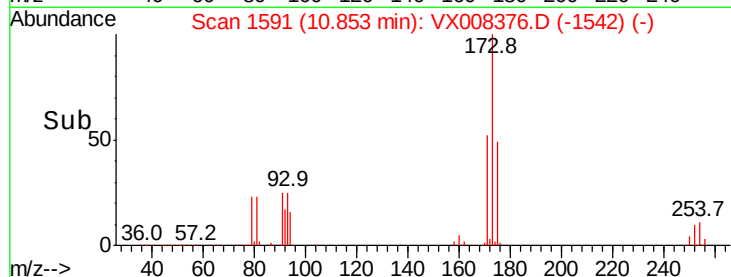
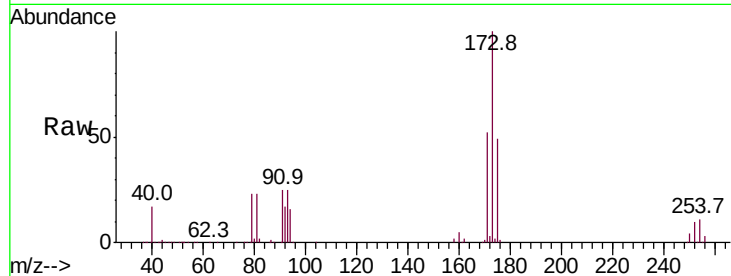
#71
Bromoform
Concen: 50.938 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.1	0.1#

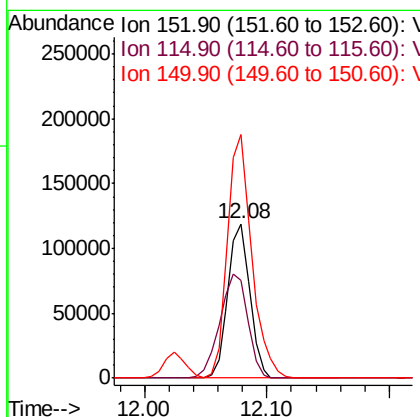
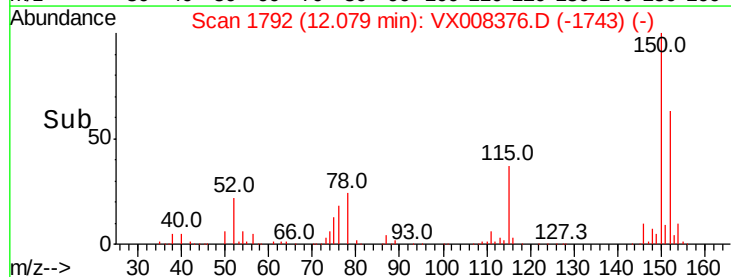
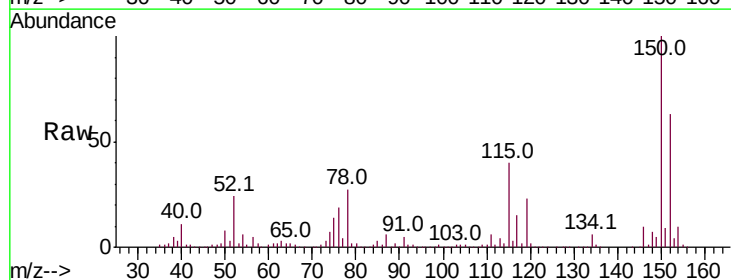
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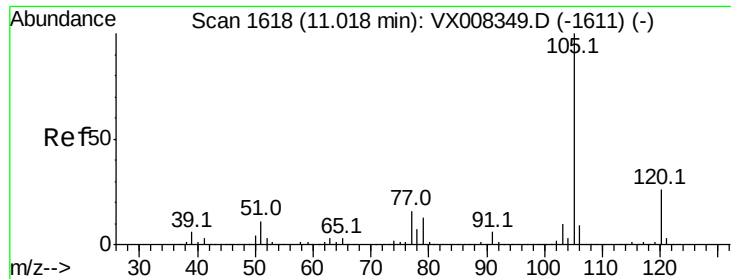
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.4	38.6	115.7
150	174.7	0.0	348.4





#73

Isopropylbenzene

Concen: 48.488 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 561947

Ion Ratio Lower Upper

105 100

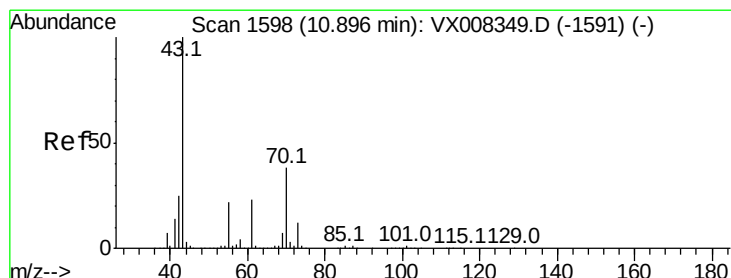
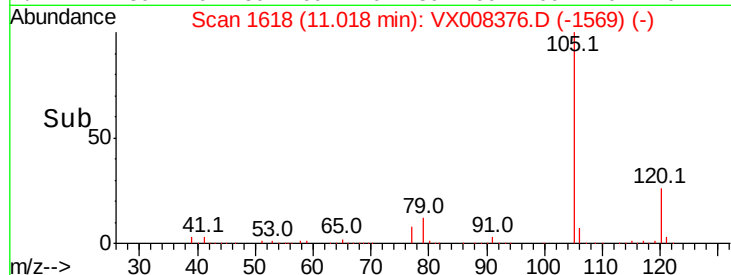
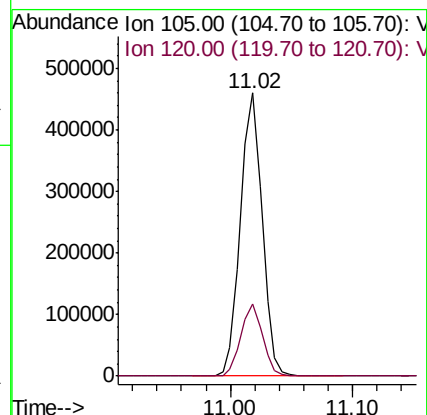
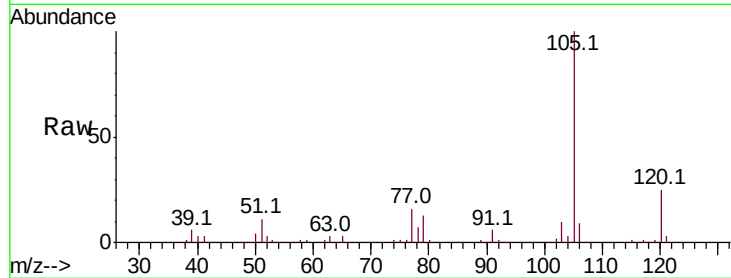
120 25.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 52.079 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion: 43 Resp: 353369

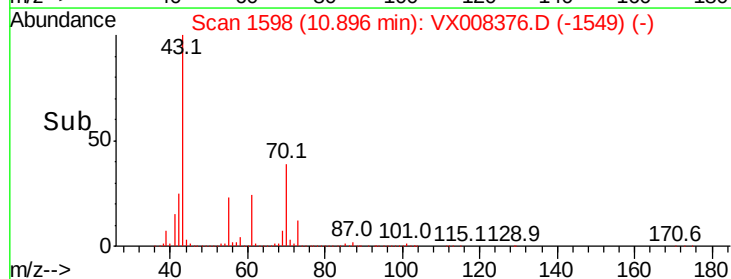
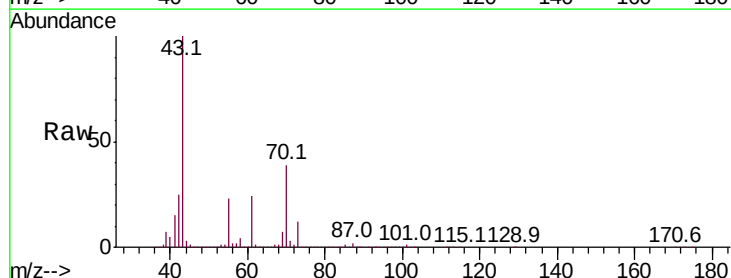
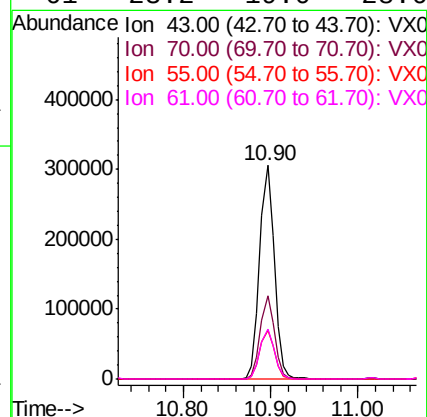
Ion Ratio Lower Upper

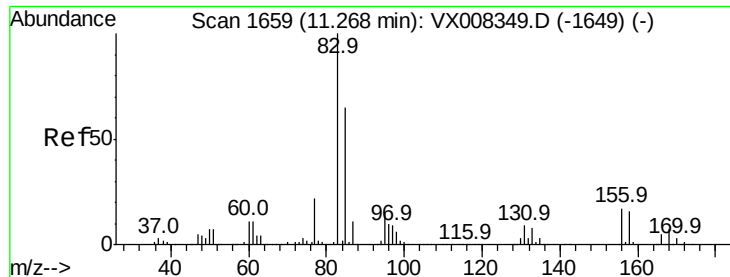
43 100

70 38.1 33.5 50.3

55 22.9 19.2 28.8

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.385 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 223358

Ion Ratio Lower Upper

83 100

131 9.0 5.4 16.2

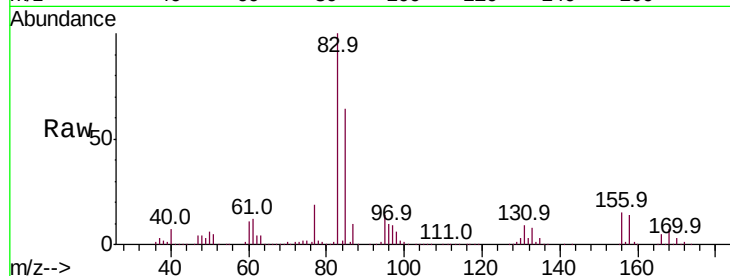
85 63.9 32.3 96.8

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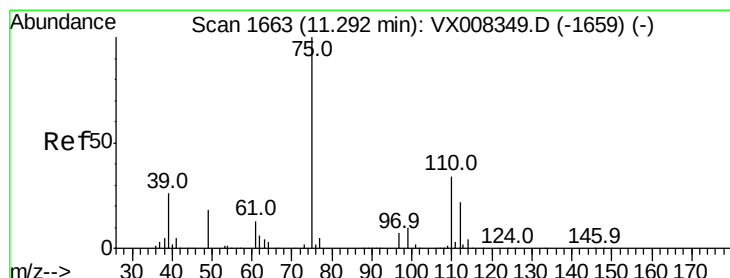
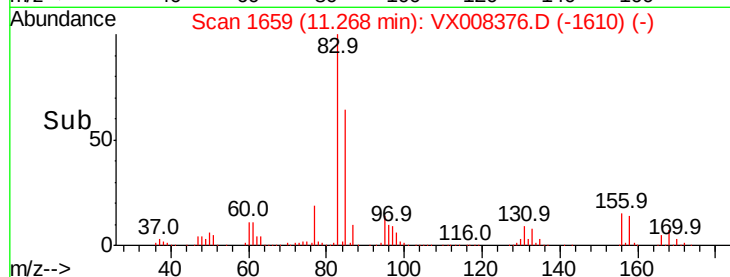
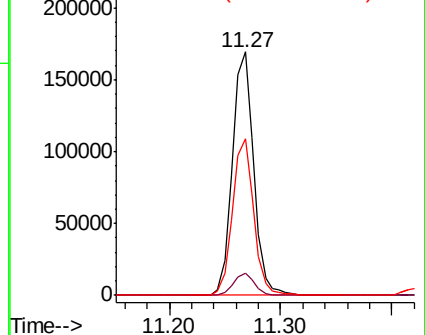
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.638 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008376.D

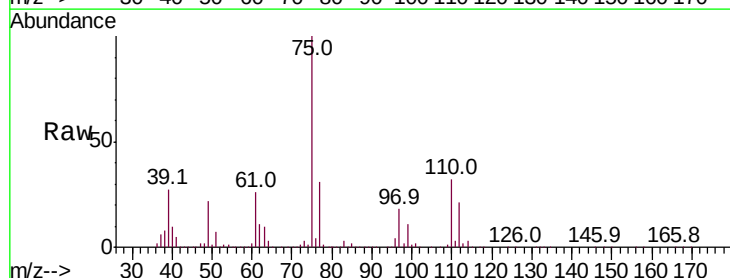
Acq: 24 Mar 2019 01:32

Tgt Ion: 75 Resp: 186959

Ion Ratio Lower Upper

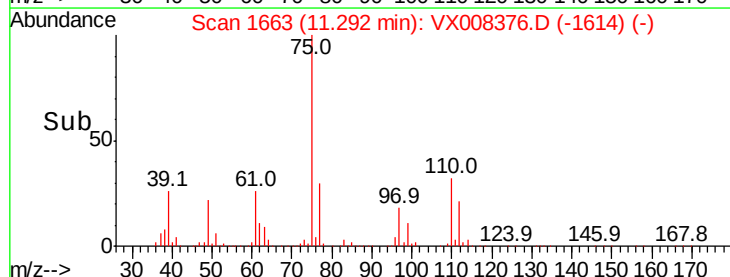
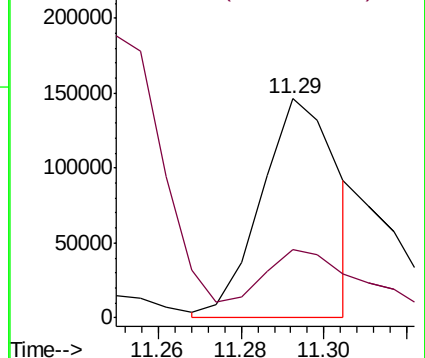
75 100

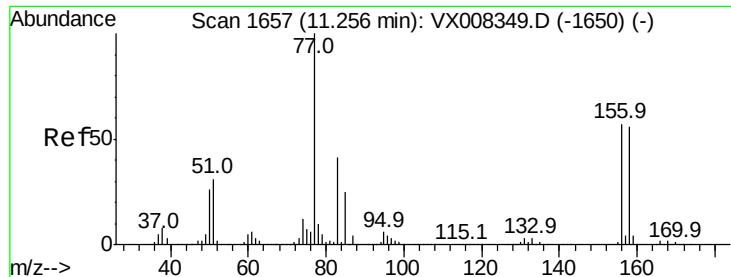
77 42.5 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.403 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 132732

Ion Ratio Lower Upper

156 100

77 185.0

158 96.9

72.0 215.9

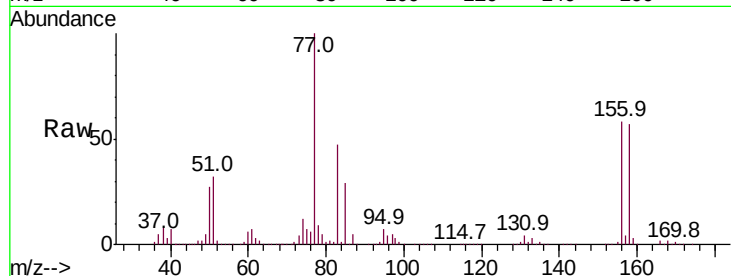
48.6 145.9

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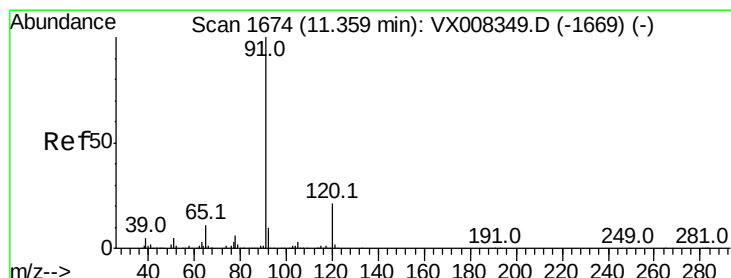
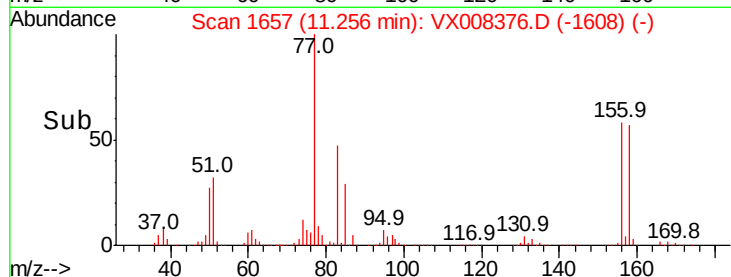
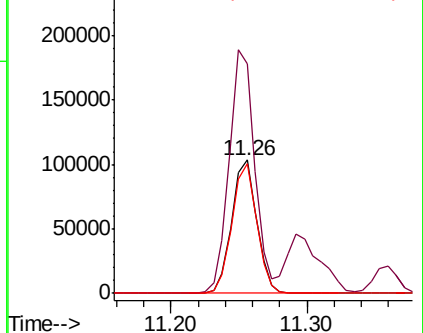
3/25/2019 11:09:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.539 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

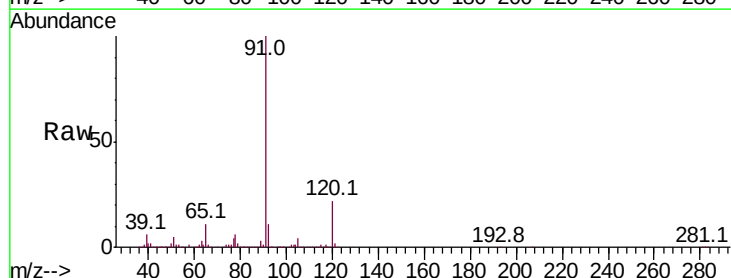
Tgt Ion: 91 Resp: 659318

Ion Ratio Lower Upper

91 100

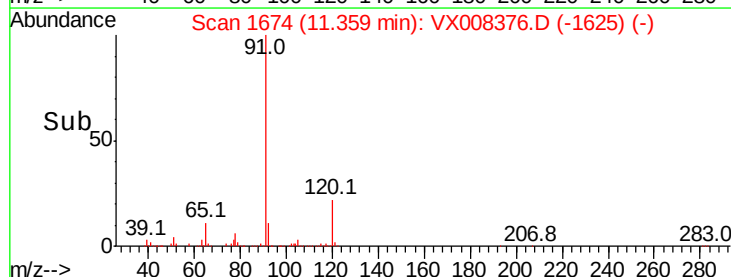
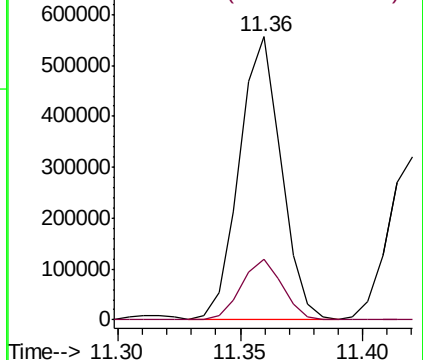
120 21.5

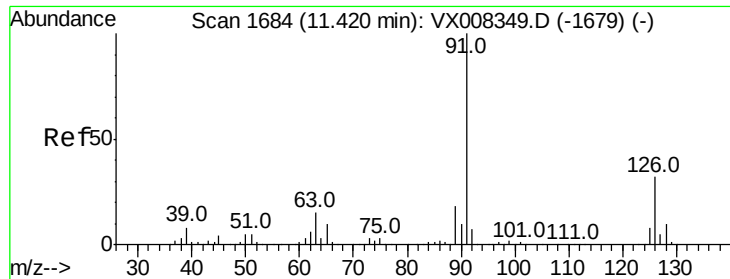
12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.555 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 393474

Ion Ratio Lower Upper

91 100

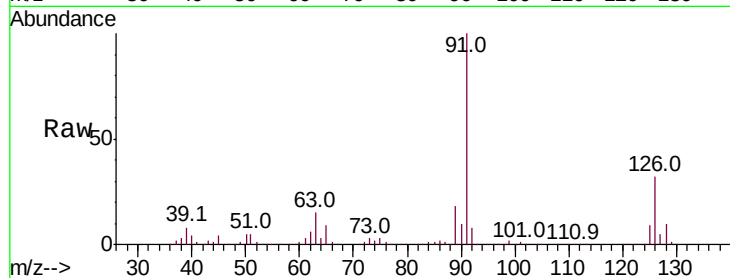
126 31.9 17.5 52.6

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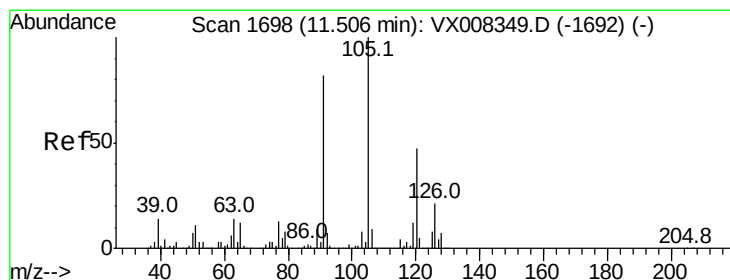
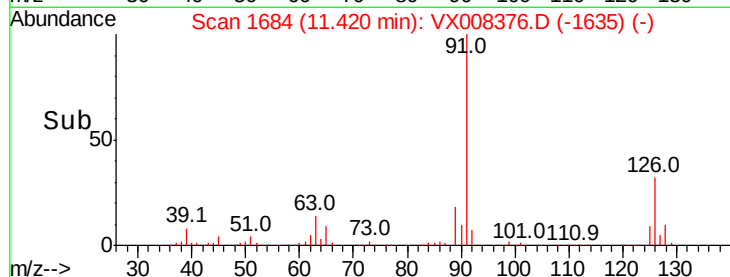
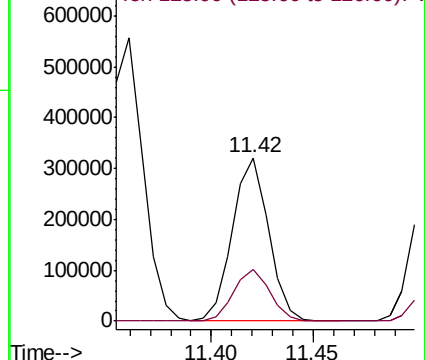
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.162 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008376.D

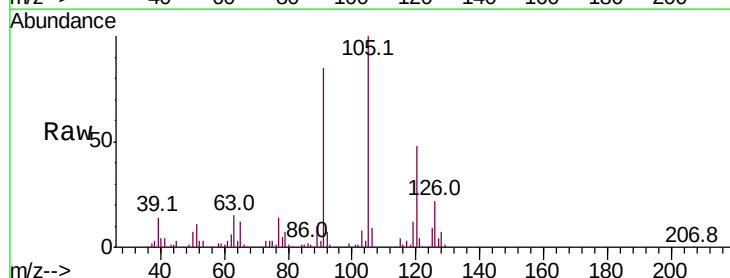
Acq: 24 Mar 2019 01:32

Tgt Ion:105 Resp: 474825

Ion Ratio Lower Upper

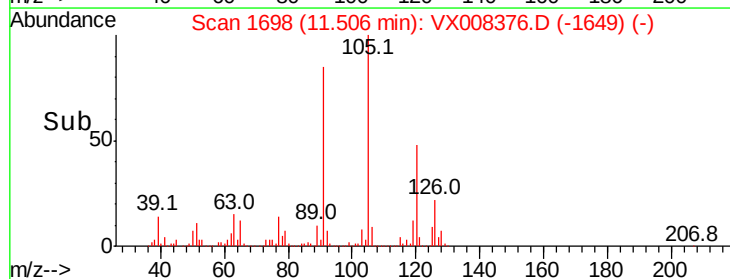
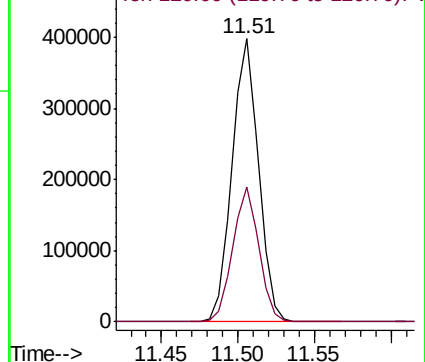
105 100

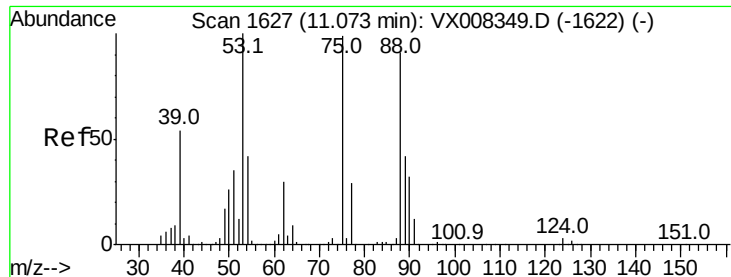
120 47.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.653 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 65625

Ion Ratio Lower Upper

75 100

53 103.4 76.1 114.1

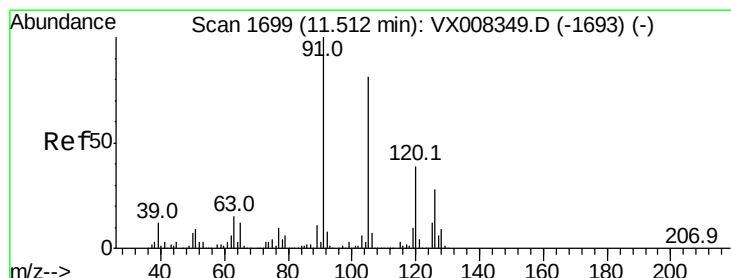
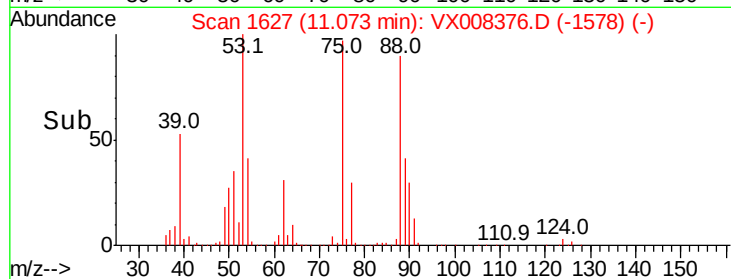
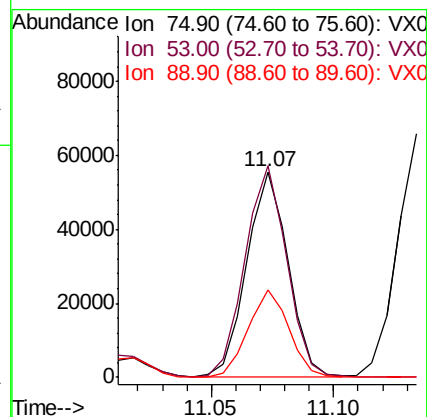
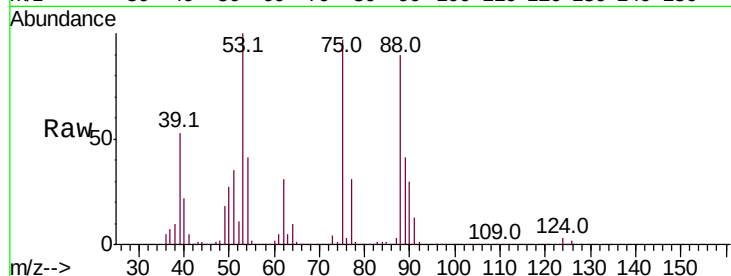
89 41.9 36.3 54.5

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#82

4-Chlorotoluene

Concen: 47.594 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008376.D

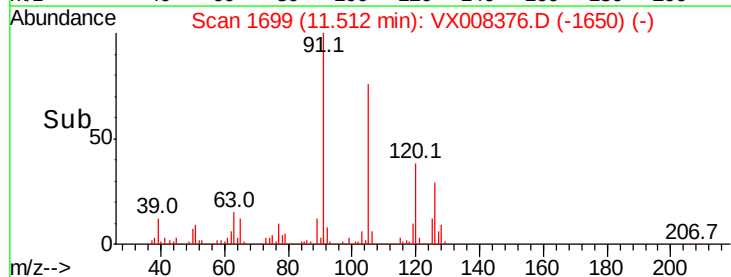
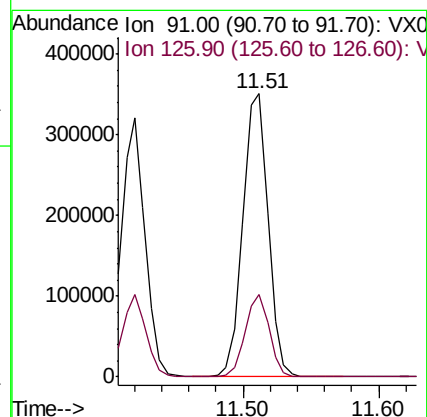
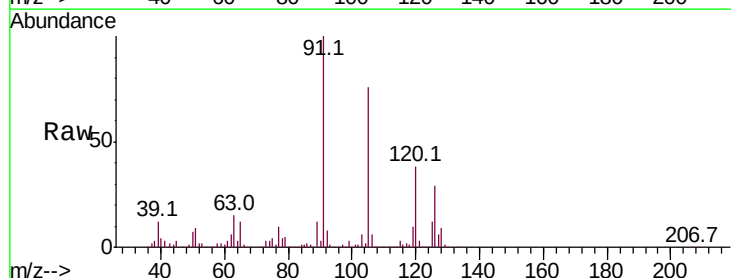
Acq: 24 Mar 2019 01:32

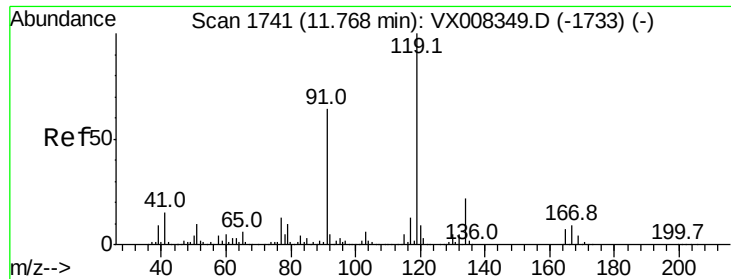
Tgt Ion: 91 Resp: 453758

Ion Ratio Lower Upper

91 100

126 27.7 15.6 46.8





#83

tert-Butylbenzene

Concen: 47.838 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

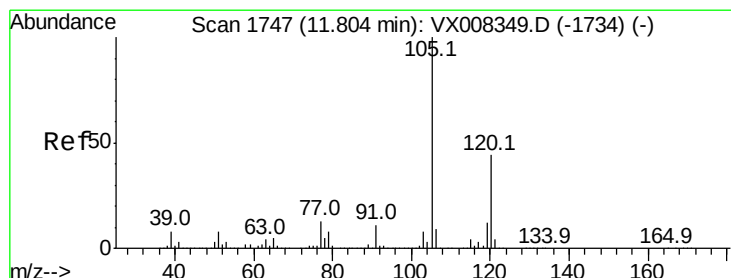
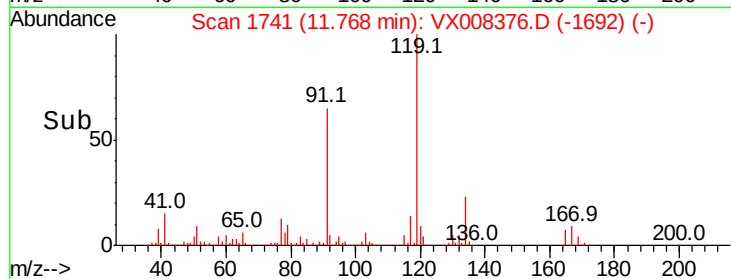
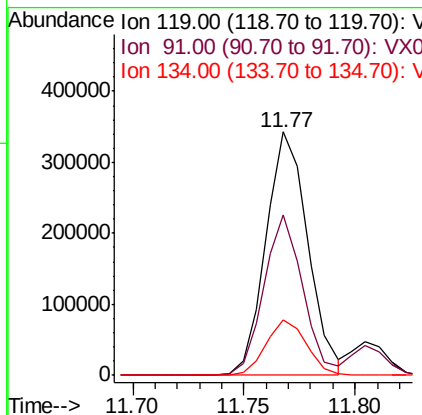
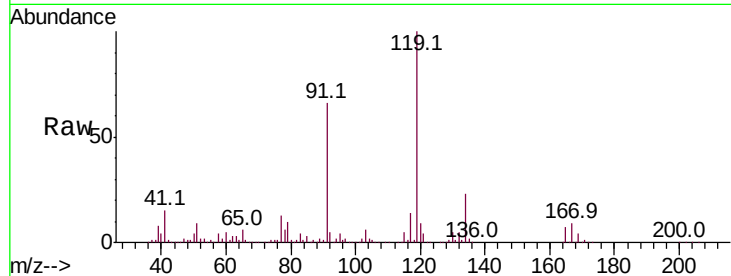
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	449114
Ion Ratio	Lower	Upper	
119	100		
91	61.0	27.1	81.3
134	22.1	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 48.849 ug/l

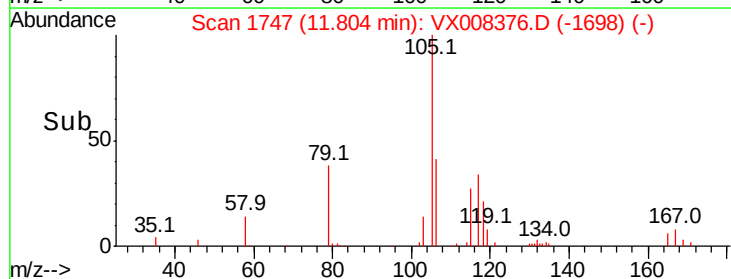
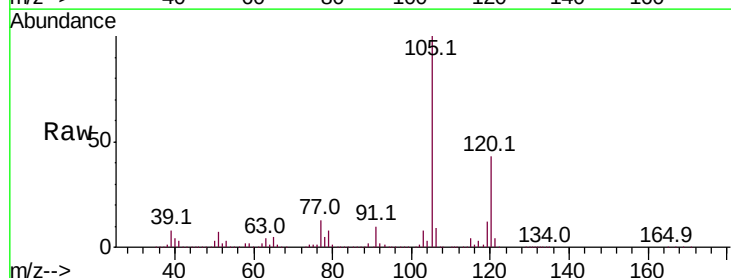
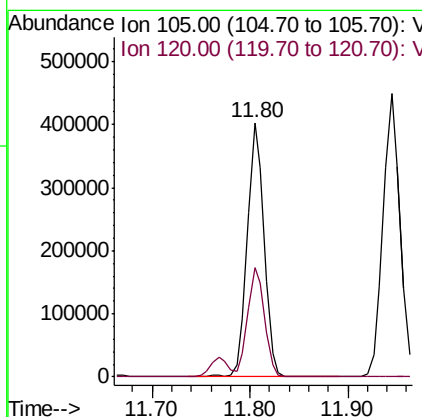
RT: 11.80 min Scan# 1747

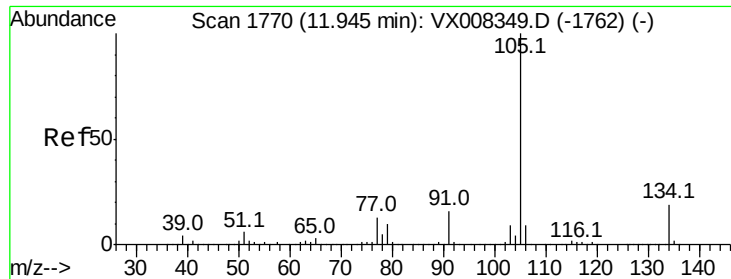
Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Tgt Ion:	105	Resp:	480600
Ion Ratio	Lower	Upper	
105	100		
120	42.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 48.145 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 541714

Ion Ratio Lower Upper

105 100

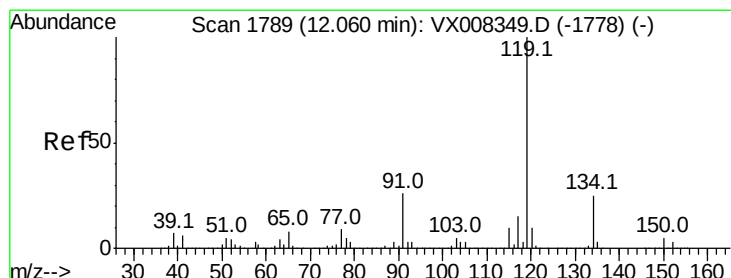
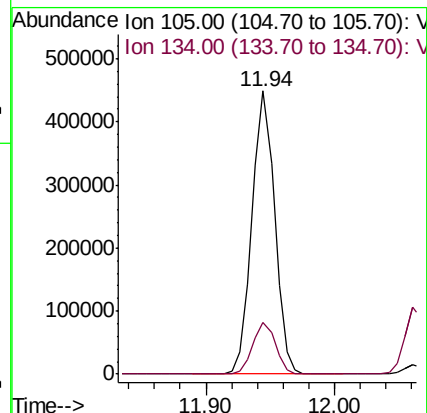
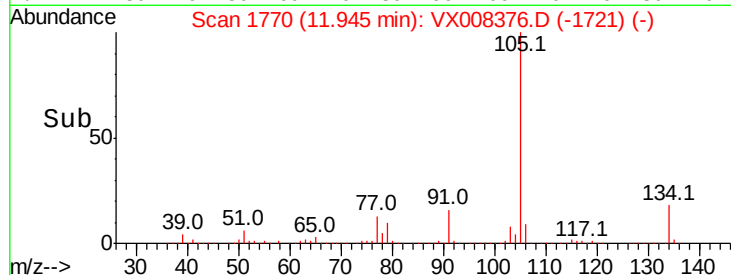
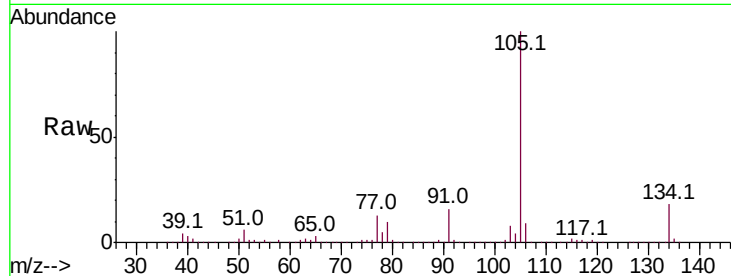
134 18.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 48.734 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008376.D

Acq: 24 Mar 2019 01:32

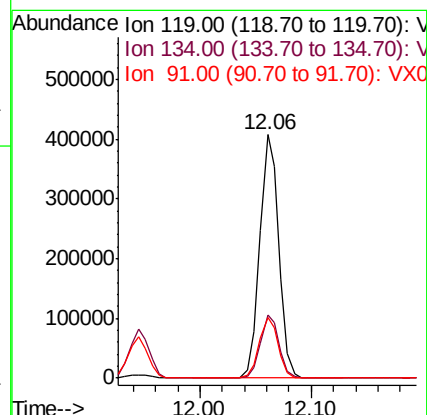
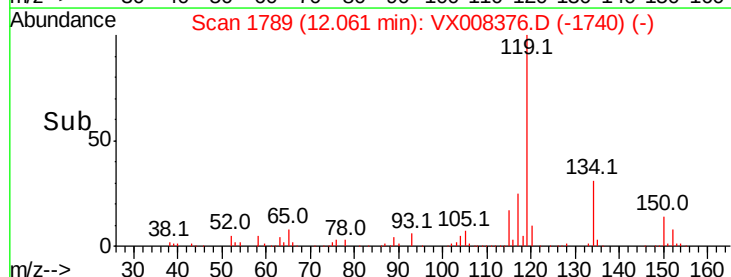
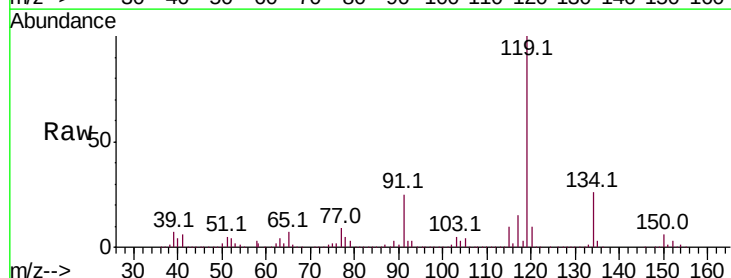
Tgt Ion:119 Resp: 483326

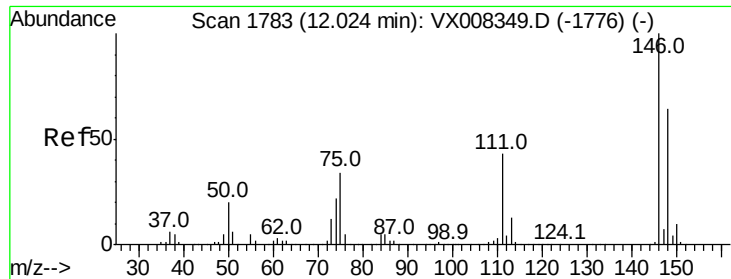
Ion Ratio Lower Upper

119 100

134 25.6 13.3 39.9

91 24.6 10.9 32.7





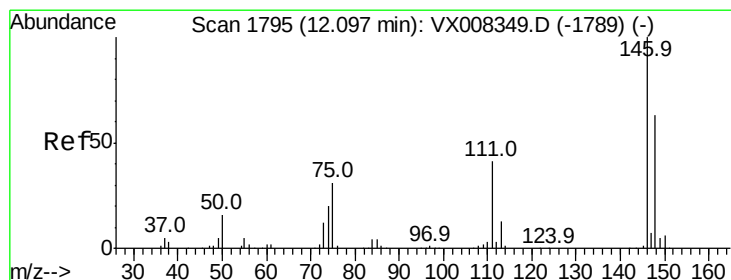
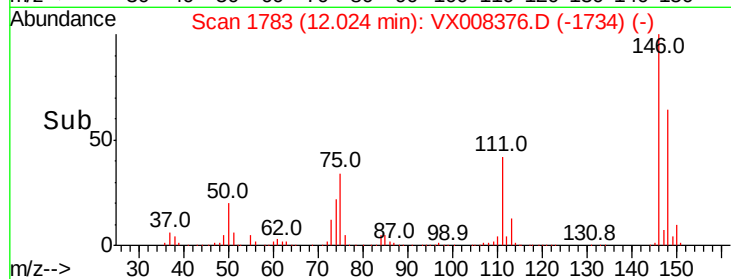
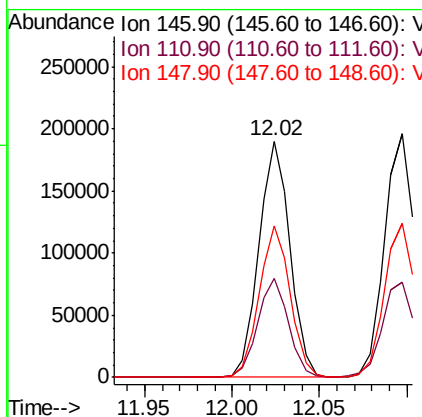
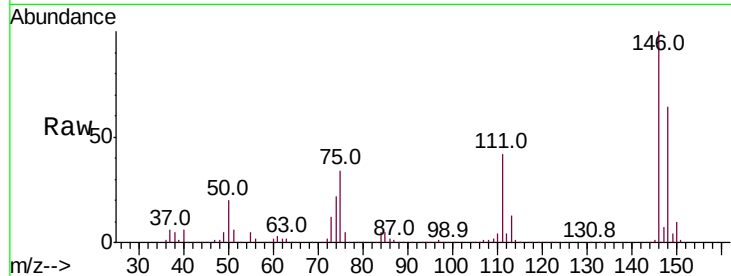
#87
 1,3-Dichlorobenzene
 Concen: 47.958 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.9	56.7
148	63.8	31.7	95.1

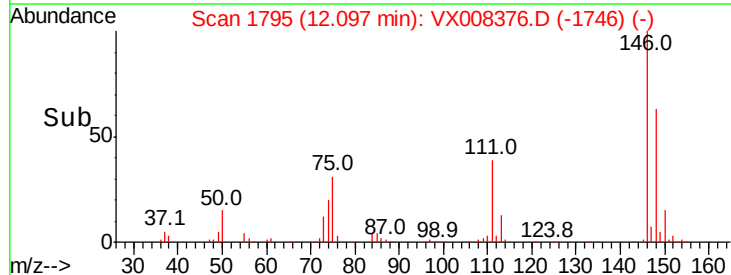
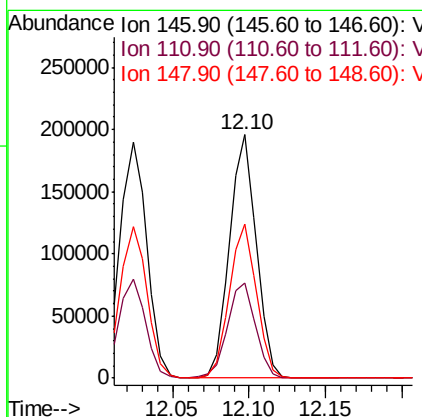
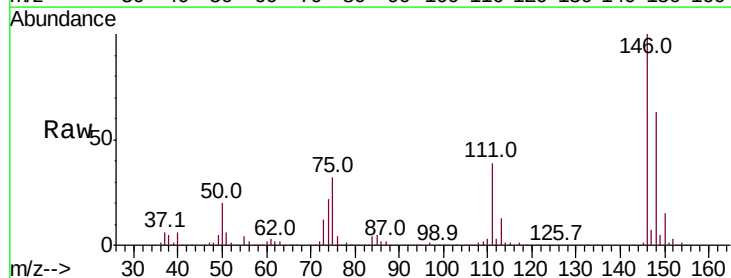
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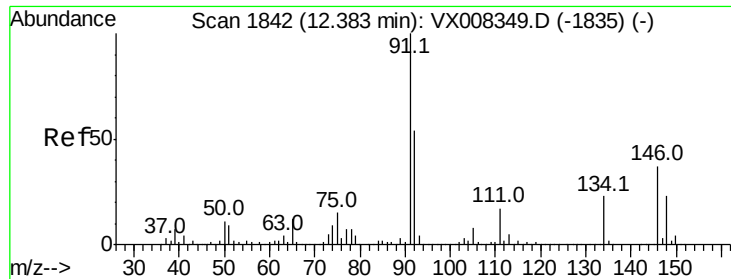
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#88
 1,4-Dichlorobenzene
 Concen: 47.403 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.4	55.0
148	63.7	32.2	96.6





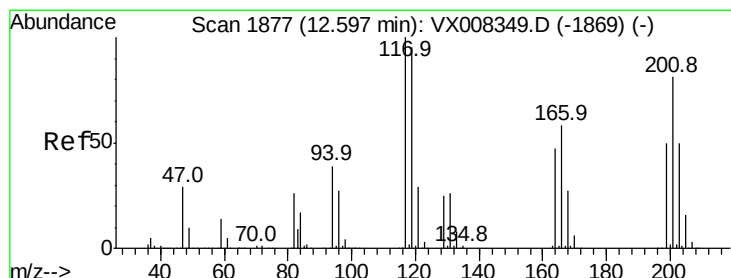
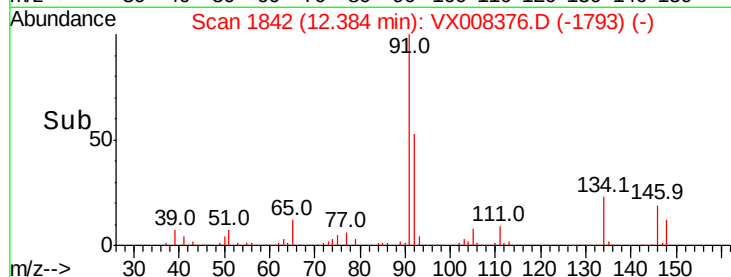
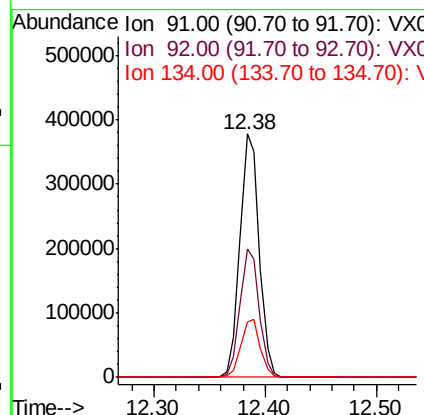
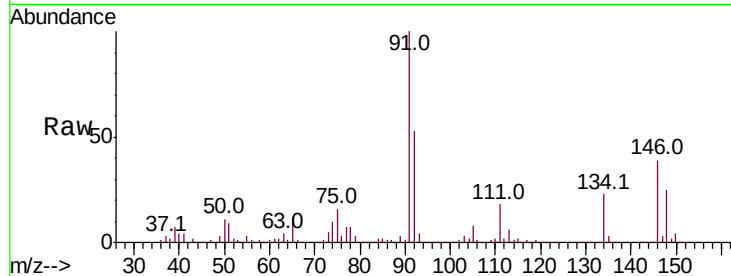
#89
n-Butylbenzene
Concen: 47.558 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	23.9	13.7	41.0

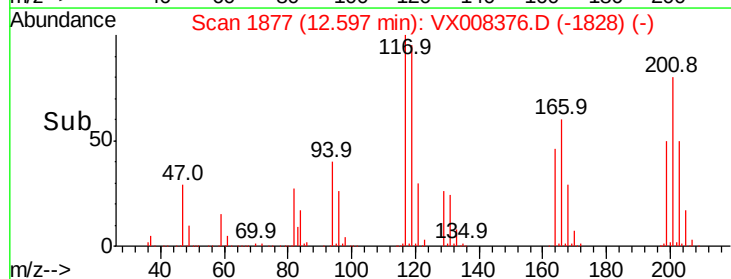
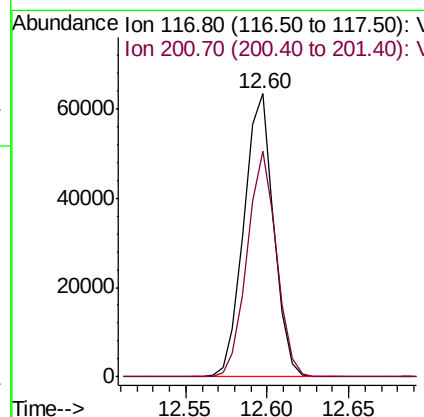
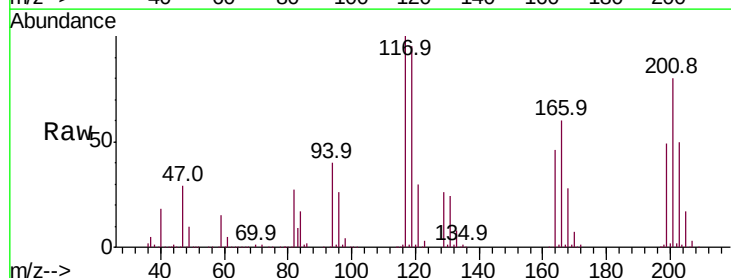
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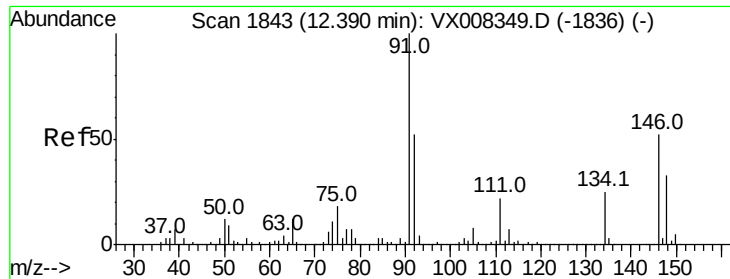
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#90
Hexachloroethane
Concen: 49.306 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	48.9	146.7





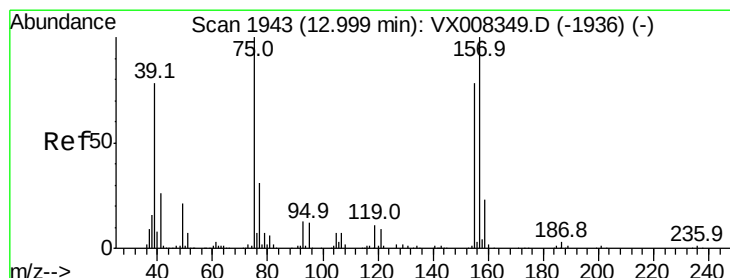
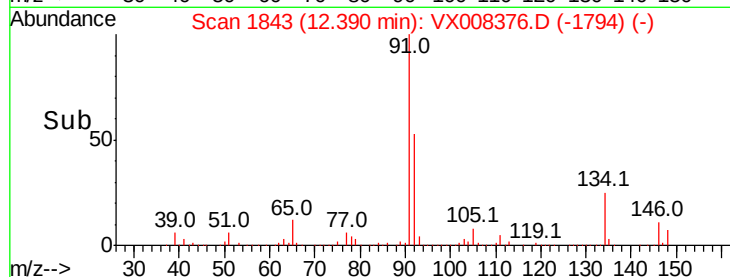
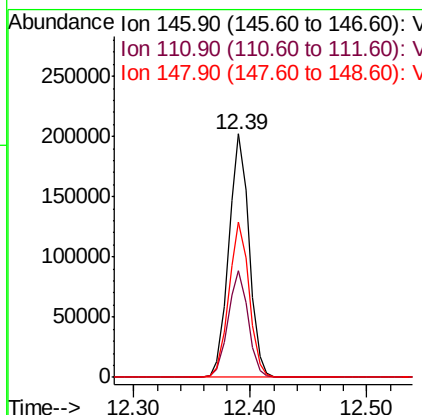
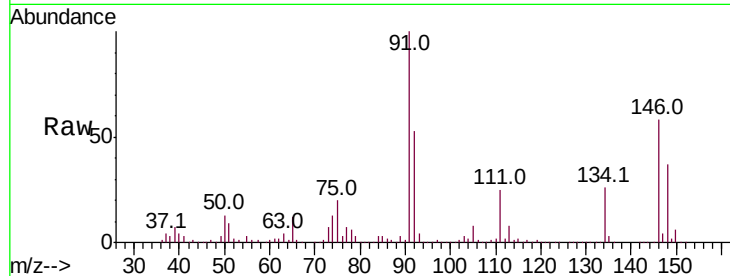
#91
 1,2-Dichlorobenzene
 Concen: 48.959 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.6	58.8
148	63.6	31.9	95.5

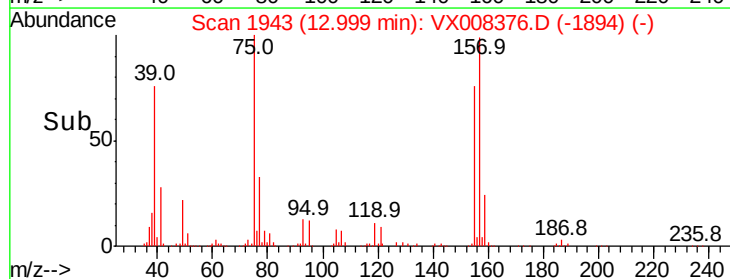
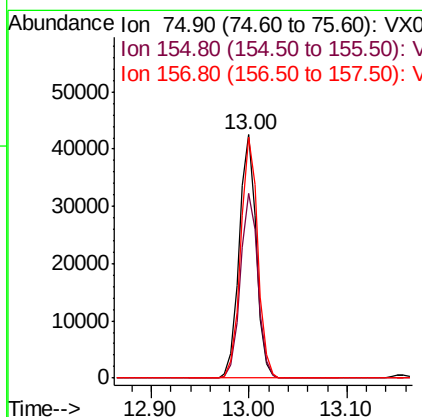
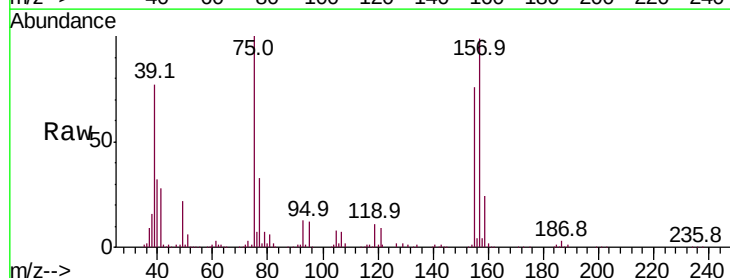
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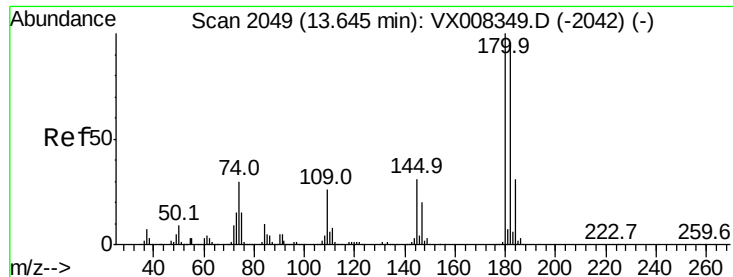
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.199 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008376.D
 Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	49.7	149.1
157	98.6	63.8	191.4





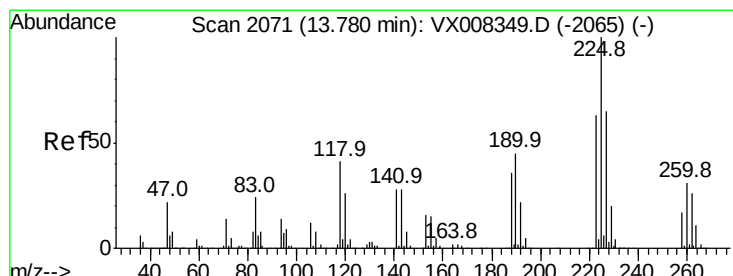
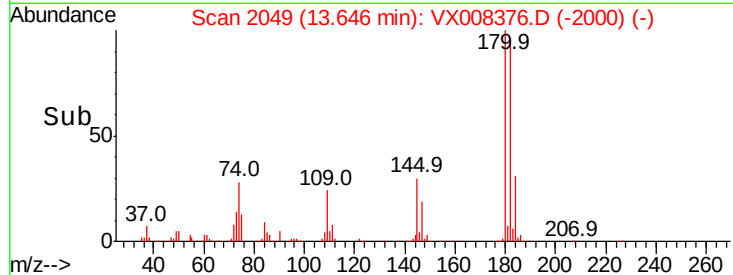
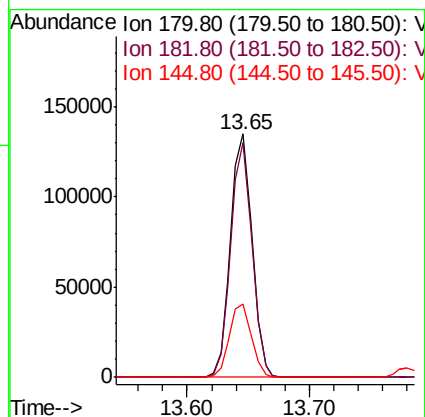
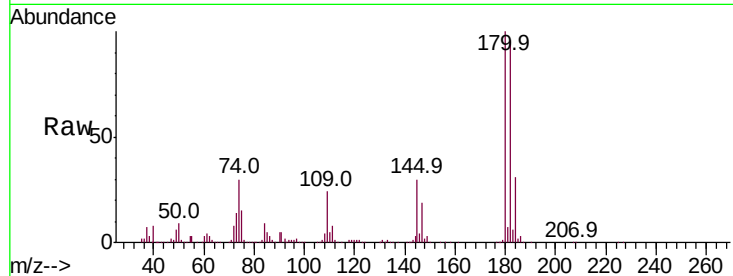
#93
1,2,4-Trichlorobenzene
Concen: 48.920 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164550		
182	94.8	47.9	143.7	
145	30.7	14.1	42.4	

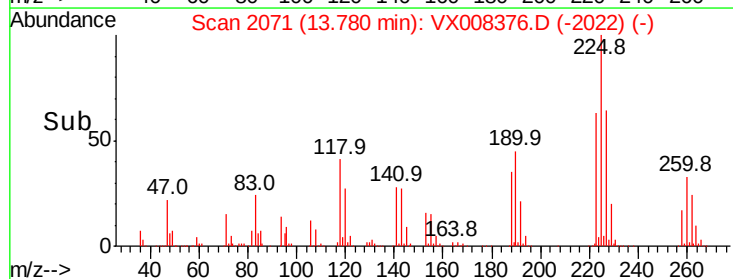
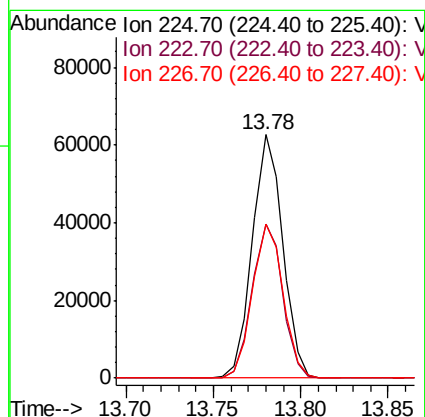
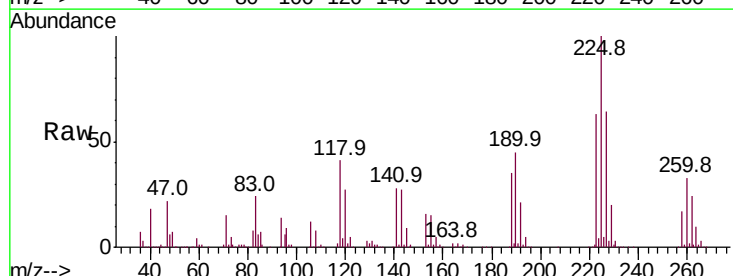
Manual Integrations
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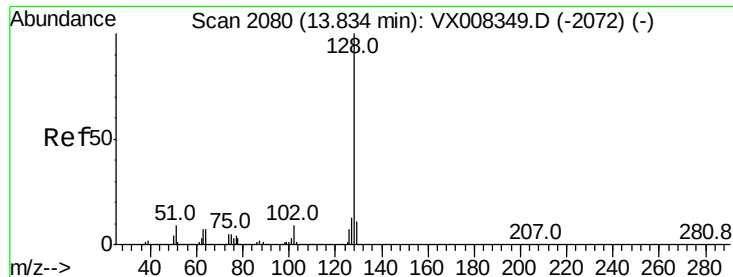
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#94
Hexachlorobutadiene
Concen: 47.774 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75943		
223	63.3	31.1	93.2	
227	63.3	32.0	96.0	





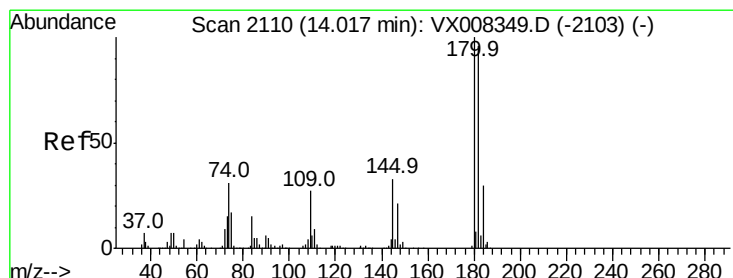
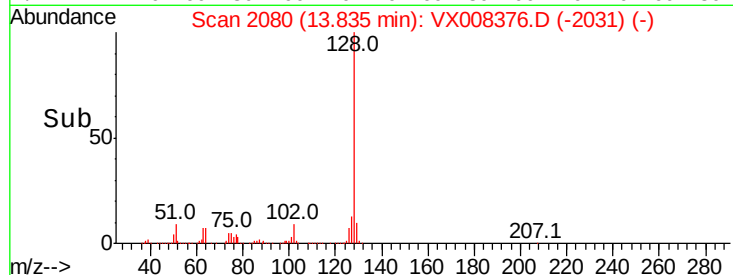
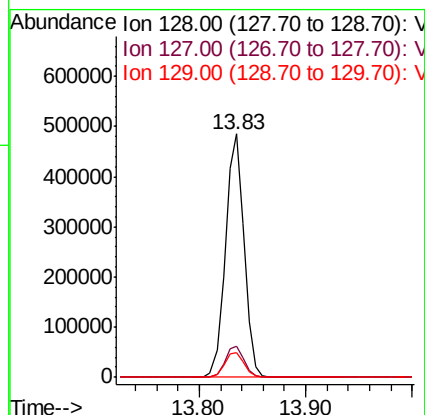
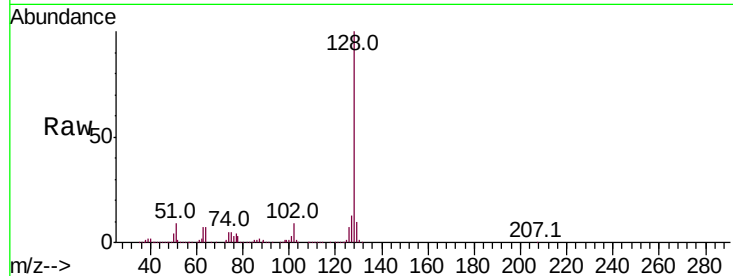
#95
Naphthalene
Concen: 49.985 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.7	13.1

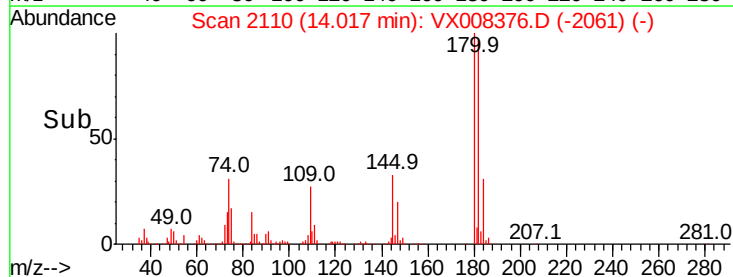
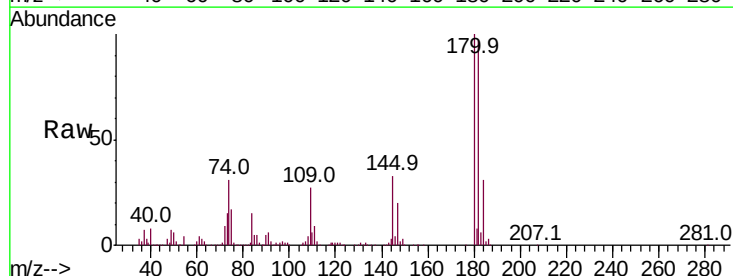
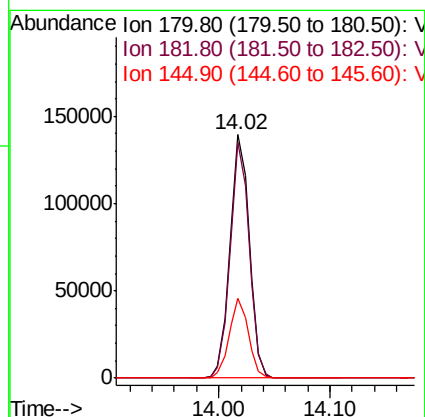
Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:09:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.514 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008376.D
Acq: 24 Mar 2019 01:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	32.2	14.8	44.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX032319\
 Data File : VX008376.D
 Acq On : 24 Mar 2019 01:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	0.566	0.539	4.8	95	0.00
3 P	Chloromethane	0.839	0.808	3.7	99	0.00
4 C	Vinyl Chloride	0.819	0.794	3.1#	98	0.00
5 T	Bromomethane	0.516	0.504	2.3	98	0.00
6 T	Chloroethane	0.480	0.470	2.1	100	0.00
7 T	Trichlorofluoromethane	0.931	0.883	5.2	94	0.00
8 T	Diethyl Ether	0.446	0.426	4.5	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.552	0.514	6.9	92	0.00
10 T	Methyl Iodide	0.700	0.719	-2.7	98	0.00
11 T	Tert butyl alcohol	0.170	0.175	-2.9	102	0.00
12 CM	1,1-Dichloroethene	0.569	0.551	3.2#	97	0.00
13 T	Acrolein	0.145	0.132	9.0	88	0.00
14 T	Allyl chloride	1.260	1.212	3.8	94	0.00
15 T	Acrylonitrile	0.435	0.431	0.9	97	0.00
16 T	Acetone	0.381	0.369	3.1	95	0.00
17 T	Carbon Disulfide	1.821	1.673	8.1	96	0.00
18 T	Methyl Acetate	0.954	0.921	3.5	97	0.00
19 T	Methyl tert-butyl Ether	2.051	2.033	0.9	97	0.00
20 T	Methylene Chloride	0.686	0.661	3.6	100	0.00
21 T	trans-1,2-Dichloroethene	0.617	0.582	5.7	96	0.00
22 T	Diisopropyl ether	2.453	2.452	0.0	98	0.00
23 T	Vinyl Acetate	2.166	2.195	-1.3	96	0.00
24 P	1,1-Dichloroethane	1.251	1.223	2.2	96	0.00
25 T	2-Butanone	0.628	0.622	1.0	96	0.00
26 T	2,2-Dichloropropane	0.806	0.634	21.3#	76	0.00
27 T	cis-1,2-Dichloroethene	0.706	0.681	3.5	96	0.00
28 T	Bromochloromethane	0.624	0.606	2.9	91	0.00
29 T	Tetrahydrofuran	0.417	0.414	0.7	96	0.00
30 C	Chloroform	1.128	1.110	1.6#	97	0.00
31 T	Cyclohexane	1.199	1.141	4.8	94	0.00
32 T	1,1,1-Trichloroethane	0.892	0.888	0.4	97	0.00
33 S	1,2-Dichloroethane-d4	0.763	0.737	3.4	94	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.324	0.311	4.0	95	0.00
36 T	1,1-Dichloropropene	0.511	0.492	3.7	96	0.00
37 T	Ethyl Acetate	0.691	0.688	0.4	97	0.00
38 T	Carbon Tetrachloride	0.438	0.421	3.9	95	0.00
39 T	Methylcyclohexane	0.626	0.571	8.8	91	0.00
40 TM	Benzene	1.556	1.506	3.2	97	0.00
41 T	Methacrylonitrile	0.377	0.384	-1.9	98	0.00
42 TM	1,2-Dichloroethane	0.565	0.540	4.4	98	0.00
43 T	Isopropyl Acetate	1.077	1.082	-0.5	97	0.00
44 TM	Trichloroethene	0.361	0.342	5.3	97	0.00
45 C	1,2-Dichloropropane	0.440	0.432	1.8#	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX032319\
 Data File : VX008376.D
 Acq On : 24 Mar 2019 01:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.261	0.247	5.4	96	0.00
47 T	Bromodichloromethane	0.499	0.487	2.4	96	0.00
48 T	Methyl methacrylate	0.543	0.548	-0.9	99	0.00
49 T	1,4-Dioxane	0.011	0.011	0.0	101	0.00
50 S	Toluene-d8	1.281	1.246	2.7	96	0.00
51 T	4-Methyl-2-Pentanone	0.706	0.714	-1.1	100	0.00
52 CM	Toluene	0.912	0.900	1.3#	98	0.00
53 T	t-1,3-Dichloropropene	0.536	0.536	0.0	94	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.598	1.6	92	0.00
55 T	1,1,2-Trichloroethane	0.379	0.366	3.4	98	0.00
56 T	Ethyl methacrylate	0.671	0.692	-3.1	99	0.00
57 T	1,3-Dichloropropane	0.675	0.658	2.5	98	0.00
58 T	2-Chloroethyl Vinyl ether	0.362	0.360	0.6	94	0.00
59 T	2-Hexanone	0.542	0.563	-3.9	102	0.00
60 T	Dibromochloromethane	0.352	0.358	-1.7	97	0.00
61 T	1,2-Dibromoethane	0.385	0.382	0.8	98	0.00
62 S	4-Bromofluorobenzene	0.470	0.460	2.1	99	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.327	0.314	4.0	99	0.00
65 PM	Chlorobenzene	1.049	1.010	3.7	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.364	0.361	0.8	99	0.00
67 C	Ethyl Benzene	1.963	1.912	2.6#	99	0.00
68 T	m/p-Xylenes	0.705	0.696	1.3	100	0.00
69 T	o-Xylene	0.690	0.683	1.0	100	0.00
70 T	Styrene	1.196	1.203	-0.6	100	0.00
71 P	Bromoform	0.280	0.285	-1.8	100	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.946	3.827	3.0	100	0.00
74 T	N-amyl acetate	2.310	2.406	-4.2	102	0.00
75 P	1,1,2,2-Tetrachloroethane	1.572	1.521	3.2	101	0.00
76 T	1,2,3-Trichloropropane	1.309	1.273	2.8	102	0.00
77 T	Bromobenzene	0.934	0.904	3.2	101	0.00
78 T	n-propylbenzene	4.625	4.490	2.9	99	0.00
79 T	2-Chlorotoluene	2.817	2.679	4.9	100	0.00
80 T	1,3,5-Trimethylbenzene	3.357	3.233	3.7	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.459	0.447	2.6	91	0.00
82 T	4-Chlorotoluene	3.246	3.090	4.8	99	0.00
83 T	tert-Butylbenzene	3.196	3.058	4.3	97	0.00
84 T	1,2,4-Trimethylbenzene	3.350	3.273	2.3	100	0.00
85 T	sec-Butylbenzene	3.831	3.689	3.7	99	0.00
86 T	p-Isopropyltoluene	3.377	3.291	2.5	98	0.00
87 T	1,3-Dichlorobenzene	1.677	1.608	4.1	101	0.00
88 T	1,4-Dichlorobenzene	1.706	1.618	5.2	102	0.00
89 T	n-Butylbenzene	3.224	3.066	4.9	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX032319\
Data File : VX008376.D
Acq On : 24 Mar 2019 01:32
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.558	0.550	1.4	99	0.00
91 T	1,2-Dichlorobenzene	1.698	1.663	2.1	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.335	0.350	-4.5	104	0.00
93 T	1,2,4-Trichlorobenzene	1.145	1.121	2.1	103	0.00
94 T	Hexachlorobutadiene	0.541	0.517	4.4	99	0.00
95 T	Naphthalene	4.022	4.020	0.0	102	0.00
96 T	1,2,3-Trichlorobenzene	1.156	1.144	1.0	103	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX032319\
 Data File : VX008376.D
 Acq On : 24 Mar 2019 01:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	50.000	47.638	4.7	95	0.00
3 P	Chloromethane	50.000	48.127	3.7	99	0.00
4 C	Vinyl Chloride	50.000	48.485	3.0#	98	0.00
5 T	Bromomethane	50.000	48.822	2.4	98	0.00
6 T	Chloroethane	50.000	48.951	2.1	100	0.00
7 T	Trichlorofluoromethane	50.000	47.402	5.2	94	0.00
8 T	Diethyl Ether	50.000	47.820	4.4	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.543	6.9	92	0.00
10 T	Methyl Iodide	50.000	51.366	-2.7	98	0.00
11 T	Tert butyl alcohol	250.000	258.118	-3.2	102	0.00
12 CM	1,1-Dichloroethene	50.000	48.346	3.3#	97	0.00
13 T	Acrolein	250.000	227.332	9.1	88	0.00
14 T	Allyl chloride	50.000	48.092	3.8	94	0.00
15 T	Acrylonitrile	250.000	247.876	0.8	97	0.00
16 T	Acetone	250.000	242.247	3.1	95	0.00
17 T	Carbon Disulfide	50.000	45.940	8.1	96	0.00
18 T	Methyl Acetate	50.000	48.291	3.4	97	0.00
19 T	Methyl tert-butyl Ether	50.000	49.556	0.9	97	0.00
20 T	Methylene Chloride	50.000	48.177	3.6	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.211	5.6	96	0.00
22 T	Diisopropyl ether	50.000	49.971	0.1	98	0.00
23 T	Vinyl Acetate	250.000	253.319	-1.3	96	0.00
24 P	1,1-Dichloroethane	50.000	48.881	2.2	96	0.00
25 T	2-Butanone	250.000	247.822	0.9	96	0.00
26 T	2,2-Dichloropropane	50.000	39.318	21.4#	76	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.242	3.5	96	0.00
28 T	Bromochloromethane	50.000	48.526	2.9	91	0.00
29 T	Tetrahydrofuran	250.000	248.338	0.7	96	0.00
30 C	Chloroform	50.000	49.214	1.6#	97	0.00
31 T	Cyclohexane	50.000	47.558	4.9	94	0.00
32 T	1,1,1-Trichloroethane	50.000	49.760	0.5	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.340	3.3	94	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	47.983	4.0	95	0.00
36 T	1,1-Dichloropropene	50.000	48.186	3.6	96	0.00
37 T	Ethyl Acetate	50.000	49.730	0.5	97	0.00
38 T	Carbon Tetrachloride	50.000	48.027	3.9	95	0.00
39 T	Methylcyclohexane	50.000	45.581	8.8	91	0.00
40 TM	Benzene	50.000	48.378	3.2	97	0.00
41 T	Methacrylonitrile	50.000	50.889	-1.8	98	0.00
42 TM	1,2-Dichloroethane	50.000	47.836	4.3	98	0.00
43 T	Isopropyl Acetate	50.000	50.227	-0.5	97	0.00
44 TM	Trichloroethene	50.000	47.276	5.4	97	0.00
45 C	1,2-Dichloropropane	50.000	49.037	1.9#	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX032319\
 Data File : VX008376.D
 Acq On : 24 Mar 2019 01:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.249	5.5	96	0.00
47 T	Bromodichloromethane	50.000	48.797	2.4	96	0.00
48 T	Methyl methacrylate	50.000	50.434	-0.9	99	0.00
49 T	1,4-Dioxane	1000.000	997.282	0.3	101	0.00
50 S	Toluene-d8	50.000	48.617	2.8	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	252.563	-1.0	100	0.00
52 CM	Toluene	50.000	49.337	1.3#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	49.983	0.0	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.198	1.6	92	0.00
55 T	1,1,2-Trichloroethane	50.000	48.327	3.3	98	0.00
56 T	Ethyl methacrylate	50.000	51.605	-3.2	99	0.00
57 T	1,3-Dichloropropane	50.000	48.754	2.5	98	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	248.726	0.5	94	0.00
59 T	2-Hexanone	250.000	259.509	-3.8	102	0.00
60 T	Dibromochloromethane	50.000	50.847	-1.7	97	0.00
61 T	1,2-Dibromoethane	50.000	49.673	0.7	98	0.00
62 S	4-Bromofluorobenzene	50.000	48.877	2.2	99	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	48.031	3.9	99	0.00
65 PM	Chlorobenzene	50.000	48.143	3.7	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.569	0.9	99	0.00
67 C	Ethyl Benzene	50.000	48.685	2.6#	99	0.00
68 T	m/p-Xylenes	100.000	98.700	1.3	100	0.00
69 T	o-Xylene	50.000	49.494	1.0	100	0.00
70 T	Styrene	50.000	50.298	-0.6	100	0.00
71 P	Bromoform	50.000	50.938	-1.9	100	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	48.488	3.0	100	0.00
74 T	N-amyl acetate	50.000	52.079	-4.2	102	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.385	3.2	101	0.00
76 T	1,2,3-Trichloropropane	50.000	48.638	2.7	102	0.00
77 T	Bromobenzene	50.000	48.403	3.2	101	0.00
78 T	n-propylbenzene	50.000	48.539	2.9	99	0.00
79 T	2-Chlorotoluene	50.000	47.555	4.9	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.162	3.7	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.653	2.7	91	0.00
82 T	4-Chlorotoluene	50.000	47.594	4.8	99	0.00
83 T	tert-Butylbenzene	50.000	47.838	4.3	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.849	2.3	100	0.00
85 T	sec-Butylbenzene	50.000	48.145	3.7	99	0.00
86 T	p-Isopropyltoluene	50.000	48.734	2.5	98	0.00
87 T	1,3-Dichlorobenzene	50.000	47.958	4.1	101	0.00
88 T	1,4-Dichlorobenzene	50.000	47.403	5.2	102	0.00
89 T	n-Butylbenzene	50.000	47.558	4.9	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX032319\
Data File : VX008376.D
Acq On : 24 Mar 2019 01:32
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:09:29 AM

Quant Time: Mar 25 09:27:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	49.306	1.4	99	0.00
91 T	1,2-Dichlorobenzene	50.000	48.959	2.1	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.199	-4.4	104	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.920	2.2	103	0.00
94 T	Hexachlorobutadiene	50.000	47.774	4.5	99	0.00
95 T	Naphthalene	50.000	49.985	0.0	102	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.514	1.0	103	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6