

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009845.D
 Acq On : 23 May 2019 08:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:39:04 AM

Quant Time: May 23 09:18:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108812	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.50	113	77758	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	8.71	98	319986	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
62) 4-Bromofluorobenzene	11.13	95	120967	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64856	41.077	ug/l	99
3) Chloromethane	1.32	50	103229	47.889	ug/l	99
4) Vinyl Chloride	1.41	62	99754	47.458	ug/l	99
5) Bromomethane	1.64	94	62049	49.182	ug/l	96
6) Chloroethane	1.71	64	61791	45.787	ug/l	98
7) Trichlorofluoromethane	1.93	101	118734	46.470	ug/l	99
8) Diethyl Ether	2.19	74	56762	46.900	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70017	43.638	ug/l	99
10) Methyl Iodide	2.51	142	77741	42.464	ug/l	99
11) Tert butyl alcohol	3.05	59	147464	272.373	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75772	47.133	ug/l	99
13) Acrolein	2.29	56	88425	180.344	ug/l	99
14) Allyl chloride	2.73	41	178697	45.612	ug/l	99
15) Acrylonitrile	3.14	53	316587	239.155	ug/l	100
16) Acetone	2.45	43	281834	224.406	ug/l	97
17) Carbon Disulfide	2.57	76	221902	49.164	ug/l	99
18) Methyl Acetate	2.78	43	138532	46.381	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	294363	47.153	ug/l	99
20) Methylene Chloride	2.85	84	91506	44.999	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	83140	47.687	ug/l	97
22) Diisopropyl ether	3.85	45	364921	48.434	ug/l	96
23) Vinyl Acetate	3.81	43	1601608	248.245	ug/l	99
24) 1,1-Dichloroethane	3.70	63	173180	46.594	ug/l	99
25) 2-Butanone	4.67	43	478386	245.119	ug/l	98
26) 2,2-Dichloropropane	4.59	77	75739	27.377	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	96160	46.208	ug/l	97
28) Bromochloromethane	5.02	49	86311	58.133	ug/l	96
29) Tetrahydrofuran	5.13	42	317666	252.943	ug/l	97
30) Chloroform	5.21	83	156488	46.552	ug/l	98
31) Cyclohexane	5.58	56	166017	48.010	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	131102	46.849	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123467	46.483	ug/l	100
37) Ethyl Acetate	4.84	43	178243	48.163	ug/l	98
38) Carbon Tetrachloride	5.79	117	108664	45.027	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145837	44.708	ug/l	98
40) Benzene	6.14	78	375906	45.729	ug/l	99
41) Methacrylonitrile	5.04	41	102423	46.493	ug/l	98
42) 1,2-Dichloroethane	6.20	62	136527	46.300	ug/l	100
43) Isopropyl Acetate	6.45	43	287072	48.495	ug/l	98
44) Trichloroethene	7.21	130	89760	45.167	ug/l	100
45) 1,2-Dichloropropane	7.51	63	106378	45.702	ug/l	100
46) Dibromomethane	7.66	93	60082	44.450	ug/l	99
47) Bromodichloromethane	7.90	83	123943	45.968	ug/l	96
48) Methyl methacrylate	7.77	41	146011	49.716	ug/l	97
49) 1,4-Dioxane	7.74	88	53969	906.136	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	951031	245.795	ug/l	98
52) Toluene	8.79	92	229245	45.877	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	135961	44.663	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	148473	44.065	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	90814	44.547	ug/l	96
56) Ethyl methacrylate	9.18	69	174053	47.830	ug/l	97
57) 1,3-Dichloropropane	9.37	76	163855	45.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	460177	238.373	ug/l	99
59) 2-Hexanone	9.49	43	740504	243.681	ug/l	98
60) Dibromochloromethane	9.58	129	92042	46.227	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95144	46.235	ug/l	99
64) Tetrachloroethene	9.34	164	86531	48.138	ug/l	98
65) Chlorobenzene	10.14	112	237915	45.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	84715	44.575	ug/l	99
67) Ethyl Benzene	10.25	91	445306	46.157	ug/l	100
68) m/p-Xylenes	10.36	106	325908	92.441	ug/l	97
69) o-Xylene	10.69	106	156988	45.131	ug/l	98
70) Styrene	10.71	104	280889	46.460	ug/l	98
71) Bromoform	10.85	173	70919	45.918	ug/l #	99
73) Isopropylbenzene	11.02	105	419918	42.559	ug/l	99
74) N-amyl acetate	10.90	43	268817	46.731	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	155142	42.179	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135445m	43.035	ug/l	
77) Bromobenzene	11.26	156	105740	43.178	ug/l	99
78) n-propylbenzene	11.36	91	500093	44.381	ug/l	100
79) 2-Chlorotoluene	11.42	91	294034	42.295	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	359932	43.325	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	45944	37.350	ug/l	97
82) 4-Chlorotoluene	11.51	91	346177	44.078	ug/l	99
83) tert-Butylbenzene	11.77	119	339615	42.022	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	370043	44.375	ug/l	99
85) sec-Butylbenzene	11.94	105	414072	43.216	ug/l	100
86) p-Isopropyltoluene	12.06	119	375426	43.584	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	191041	43.759	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	193663	44.000	ug/l	99
89) n-Butylbenzene	12.38	91	356787	45.827	ug/l	99
90) Hexachloroethane	12.60	117	63261	43.108	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	192241	43.233	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37142	45.014	ug/l	95

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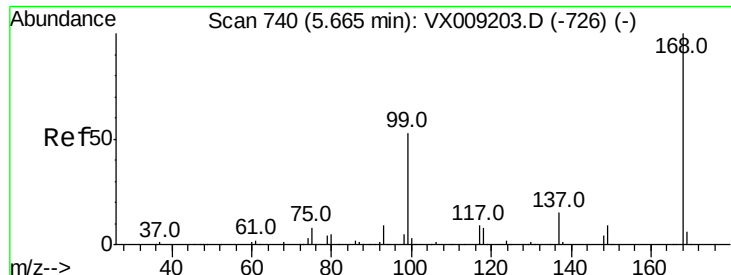
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	141535	46.546	ug/l	99
94) Hexachlorobutadiene	13.78	225	66903	43.085	ug/l	99
95) Naphthalene	13.83	128	447802	45.265	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	139362	45.213	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 171335

Ion Ratio Lower Upper

168 100

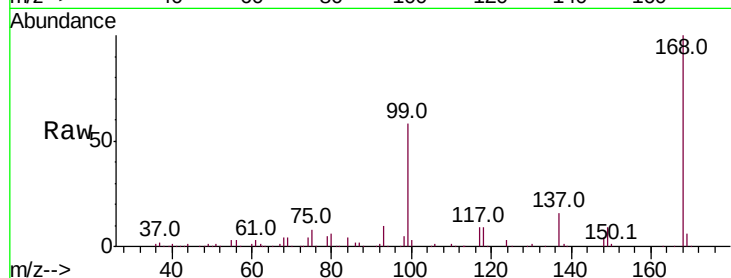
99 57.8 42.3 63.5

Manual Integrations

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5/23/2019 10:39:04 AM



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.66

60000

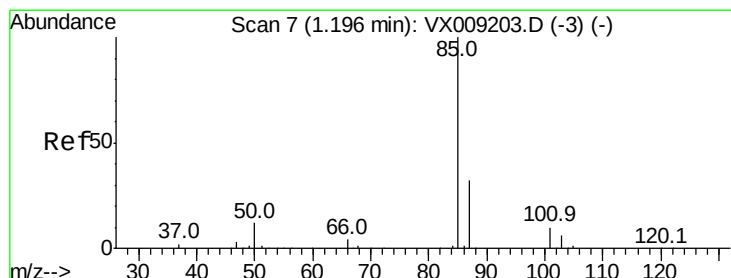
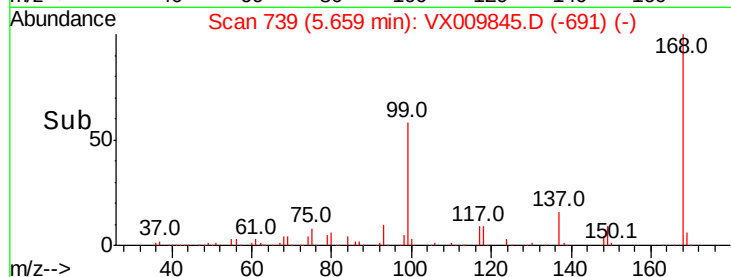
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.077 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009845.D

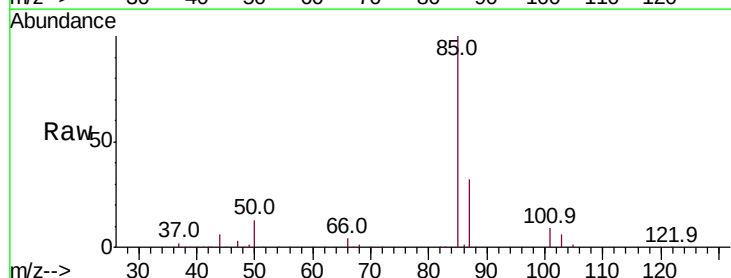
Acq: 23 May 2019 08:18

Tgt Ion: 85 Resp: 64856

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX009203.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX009203.D (-3) (-)

1.20

60000

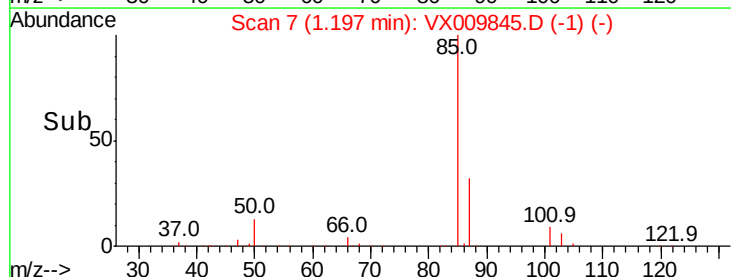
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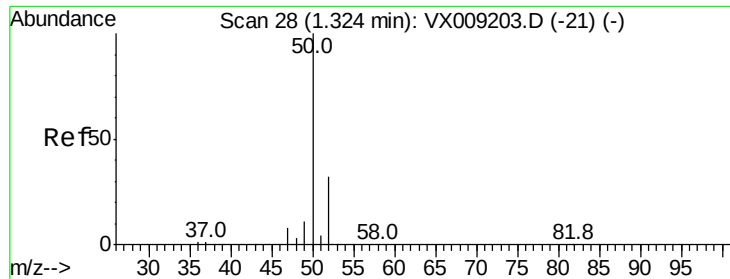
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.889 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103229

Ion Ratio Lower Upper

50 100

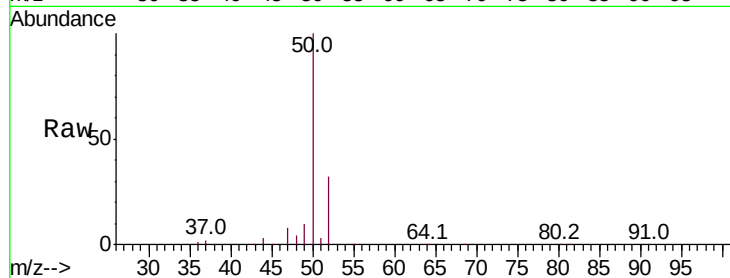
52 31.9 25.9 38.9

Manual Integrations

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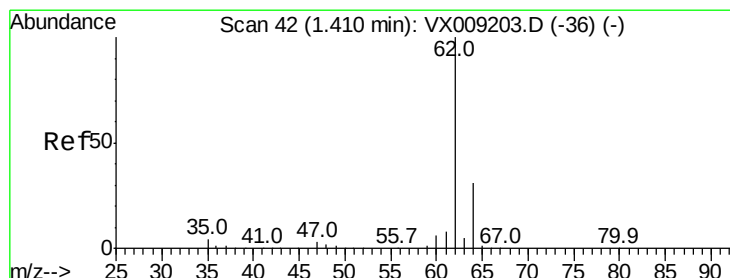
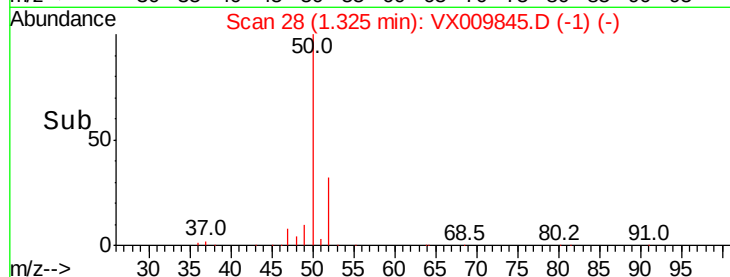
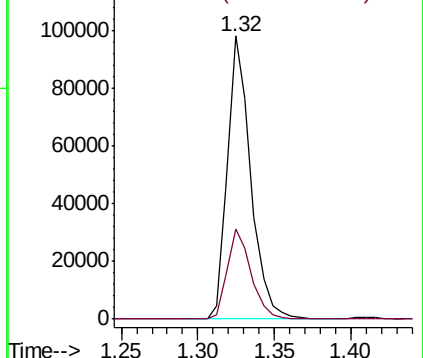
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.458 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009845.D

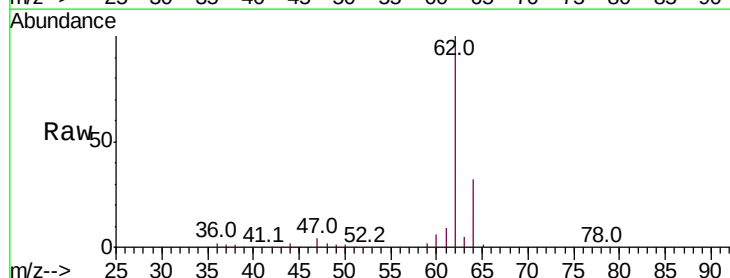
Acq: 23 May 2019 08:18

Tgt Ion: 62 Resp: 99754

Ion Ratio Lower Upper

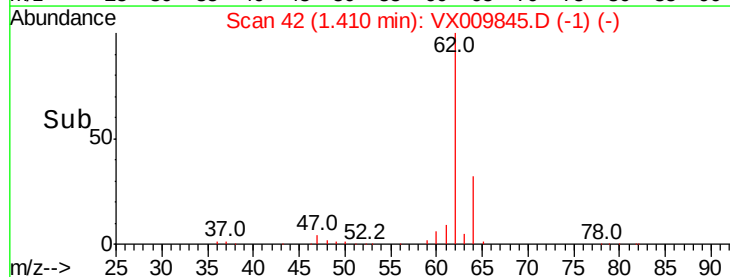
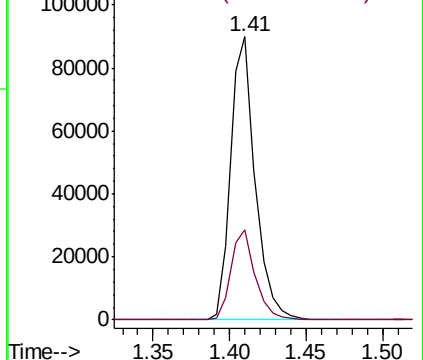
62 100

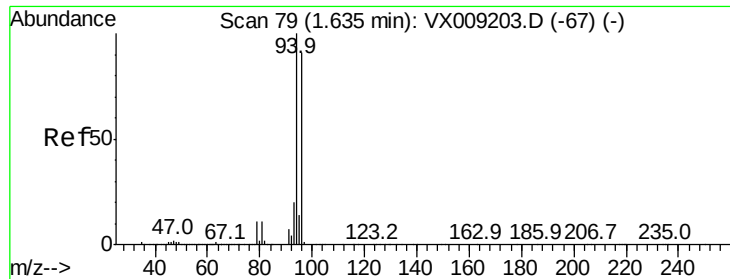
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.182 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62049

Ion Ratio Lower Upper

94 100

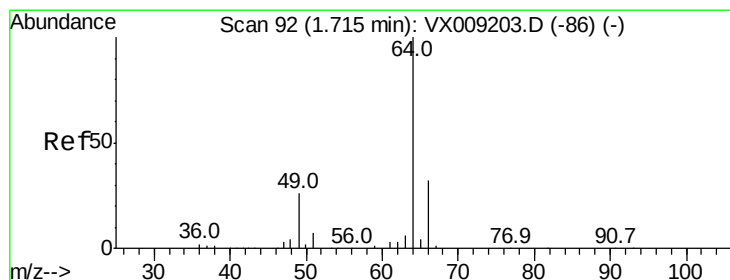
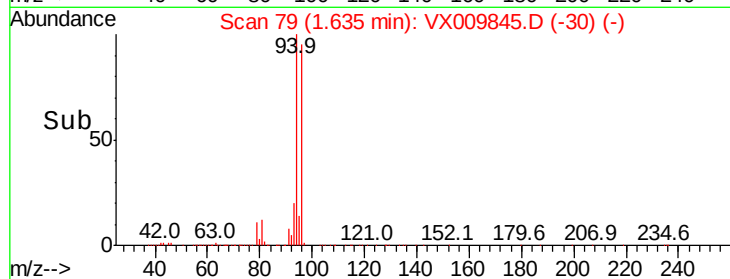
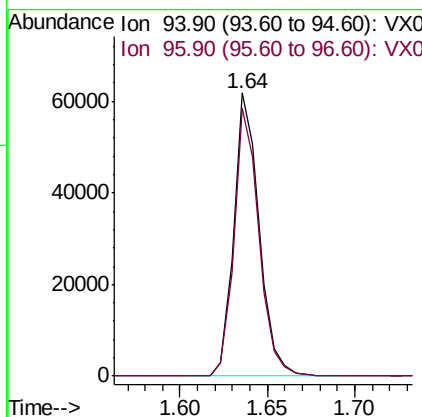
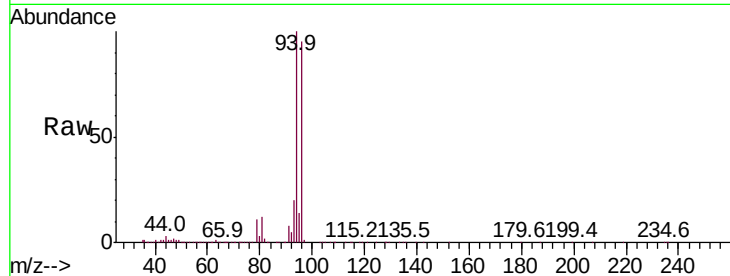
96 94.7 73.0 109.6

Manual Integrations

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5/23/2019 10:39:04 AM



#6

Chloroethane

Concen: 45.787 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009845.D

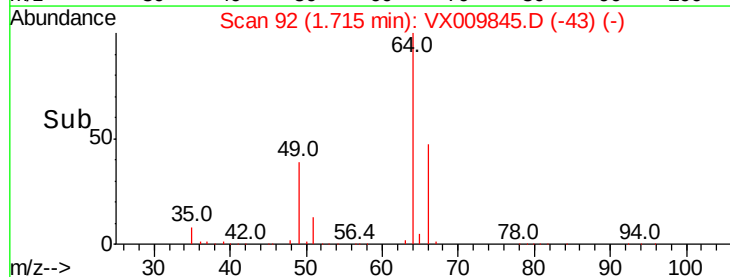
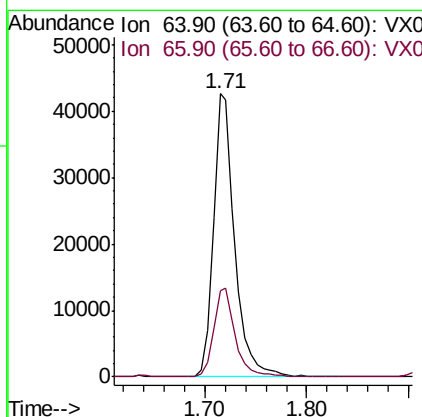
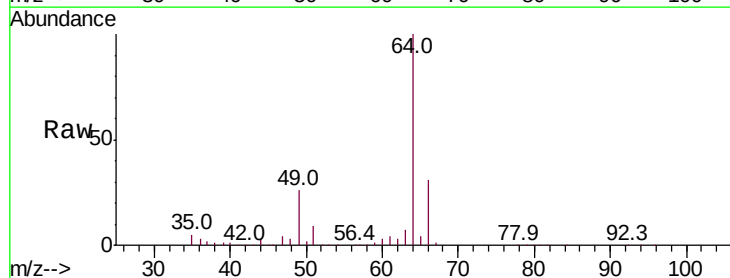
Acq: 23 May 2019 08:18

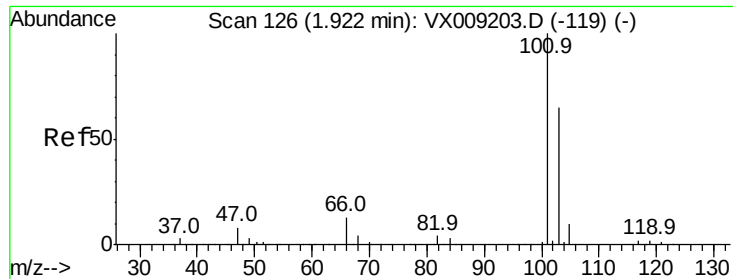
Tgt Ion: 64 Resp: 61791

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9





#7

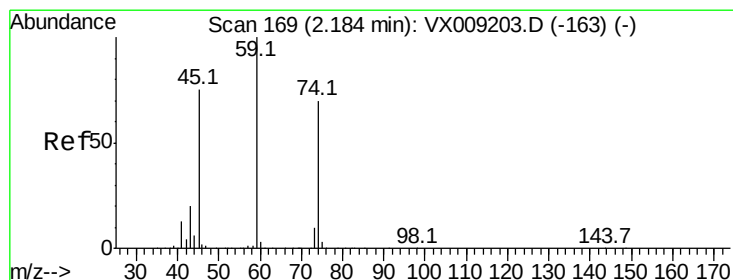
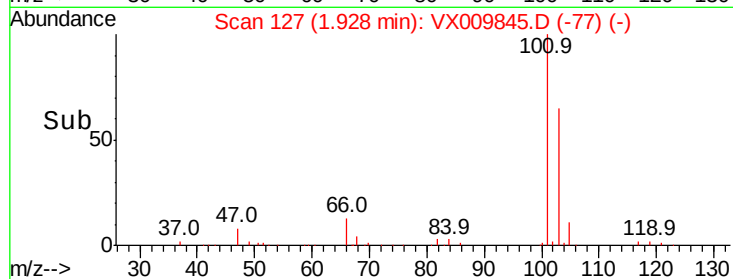
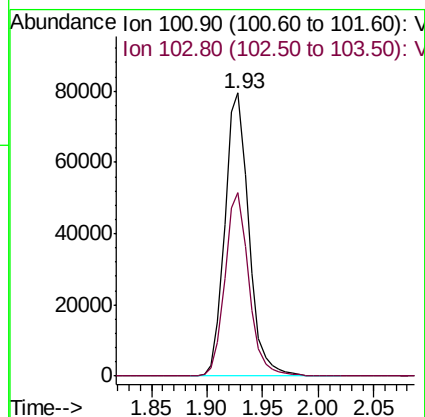
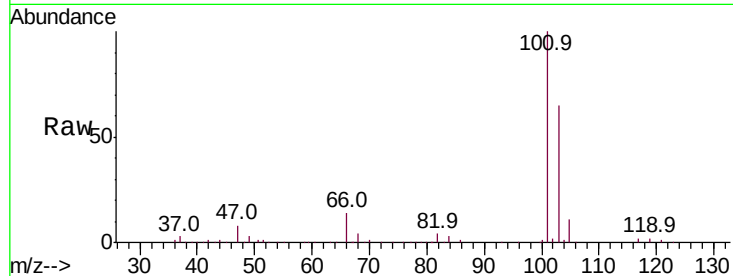
Trichlorofluoromethane
Concen: 46.470 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 118734
Ion Ratio Lower Upper
101 100
103 64.9 52.4 78.6

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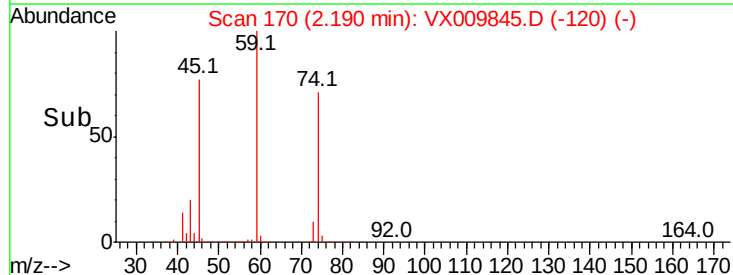
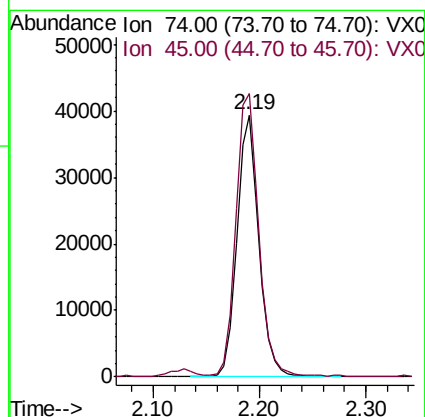
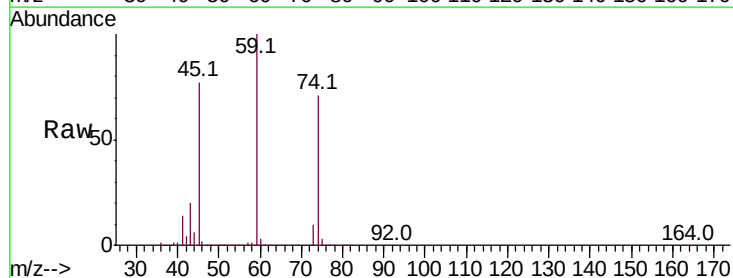
MMDadoda
5/23/2019 10:39:04 AM

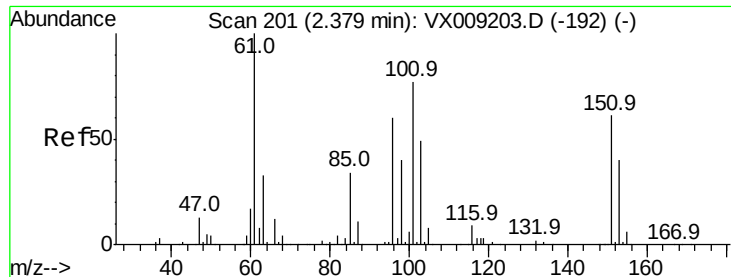


#8

Diethyl Ether
Concen: 46.900 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion: 74 Resp: 56762
Ion Ratio Lower Upper
74 100
45 112.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.638 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

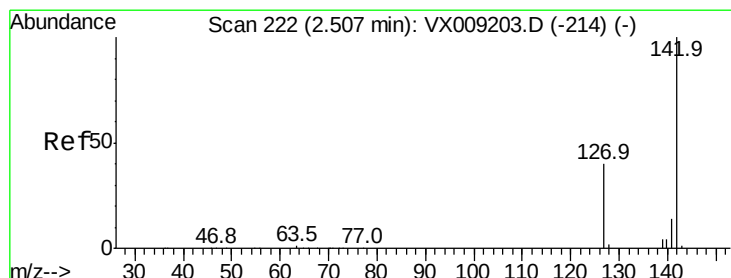
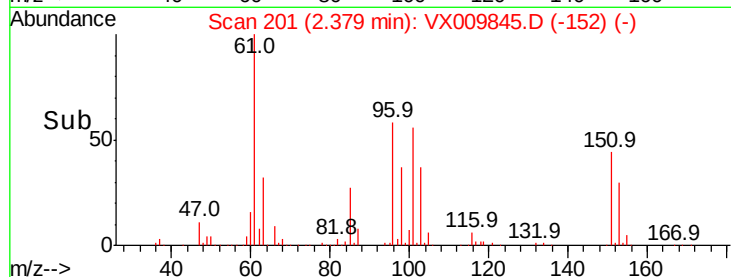
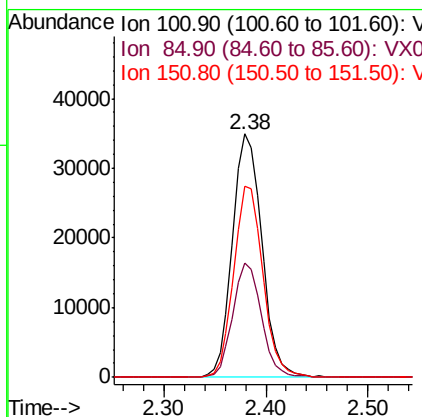
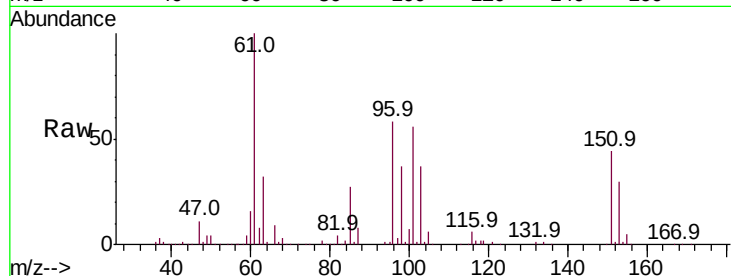
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	70017
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.7	53.5
151	77.9	62.2	93.2

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#10

Methyl Iodide

Concen: 42.464 ug/l

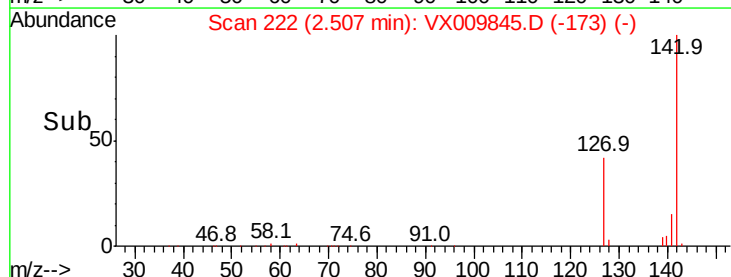
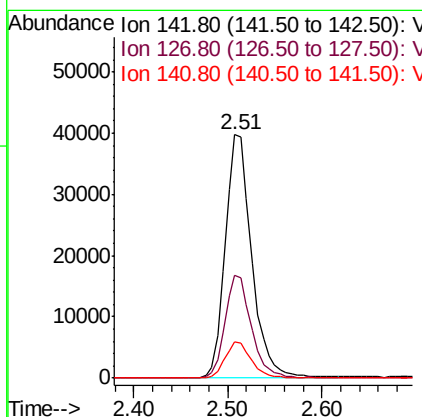
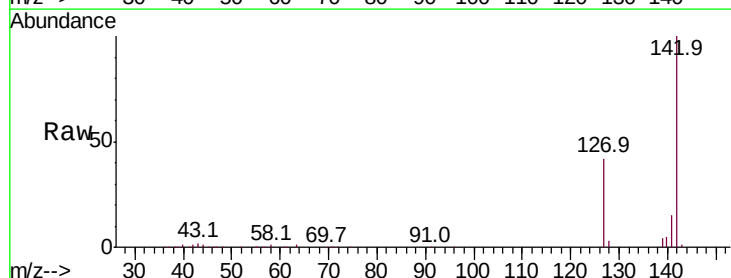
RT: 2.51 min Scan# 222

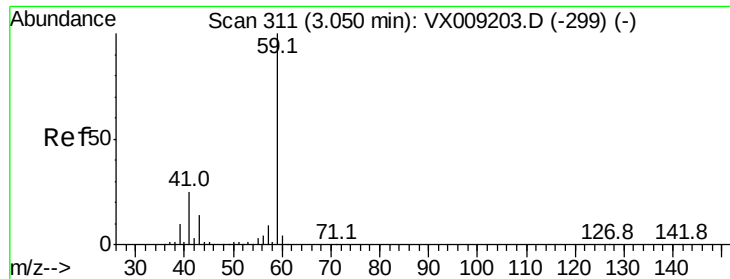
Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Tgt Ion:	142	Resp:	77741
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.7	49.1
141	14.7	11.5	17.3





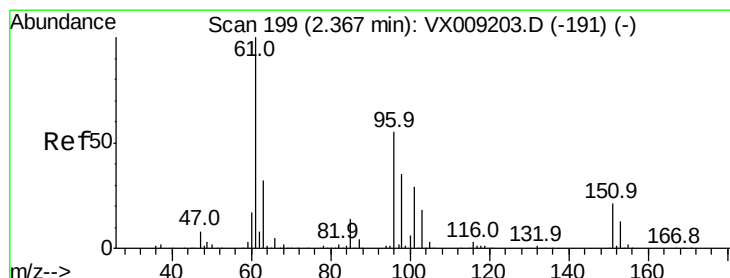
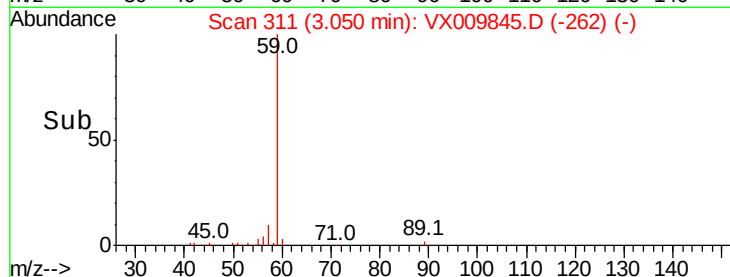
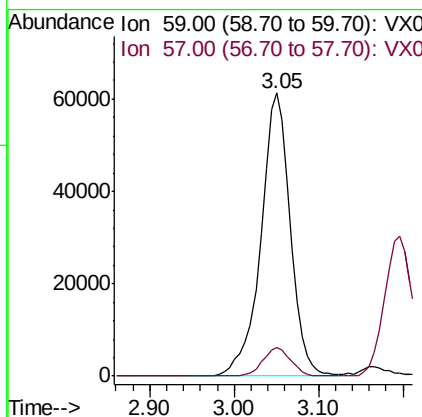
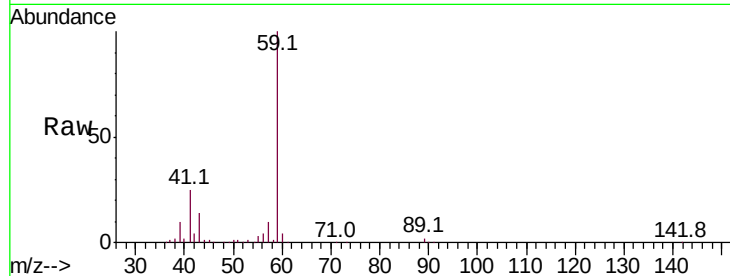
#11
Tert butyl alcohol
Concen: 272.373 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 59 Resp: 147464
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2

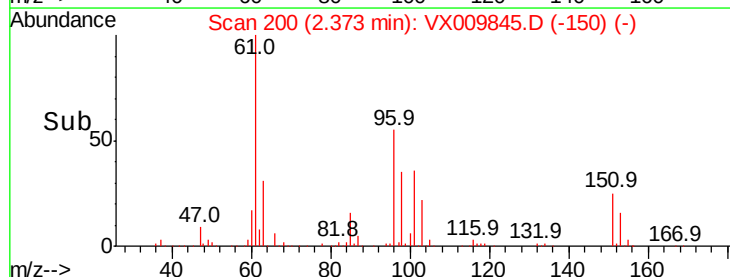
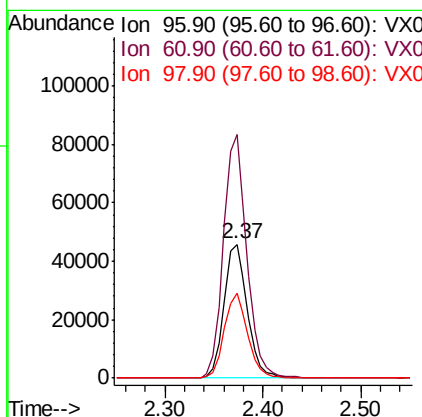
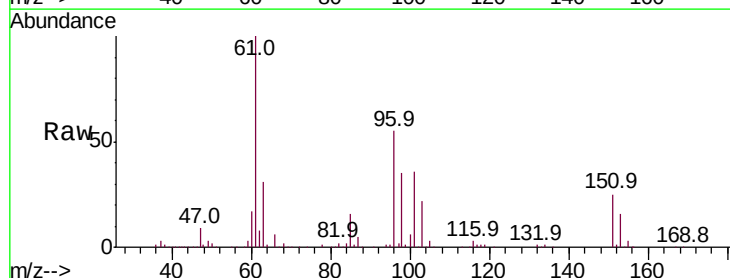
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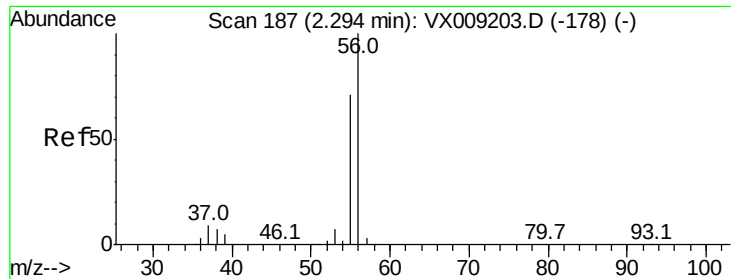
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.133 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion: 96 Resp: 75772
Ion Ratio Lower Upper
96 100
61 181.5 144.3 216.5
98 63.7 50.3 75.5





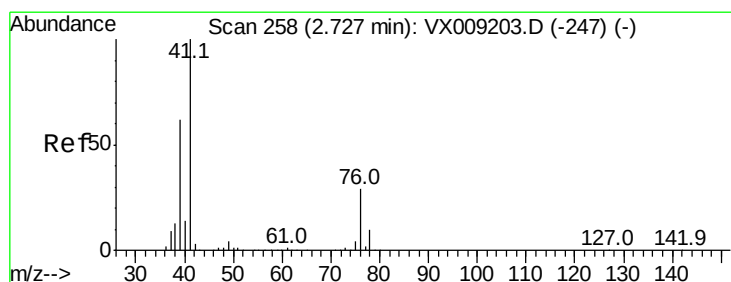
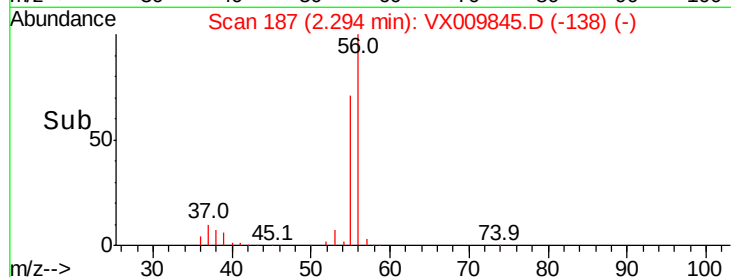
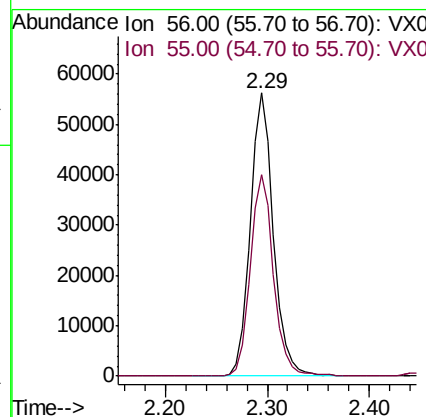
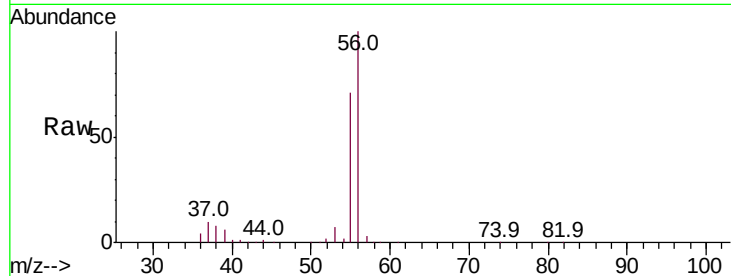
#13
Acrolein
Concen: 180.344 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	88425
Ion Ratio	100	Lower	Upper
55	71.2	56.6	85.0

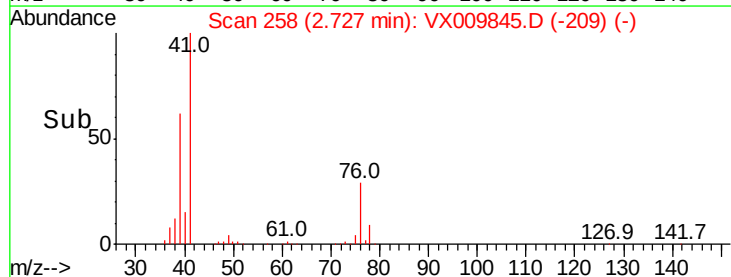
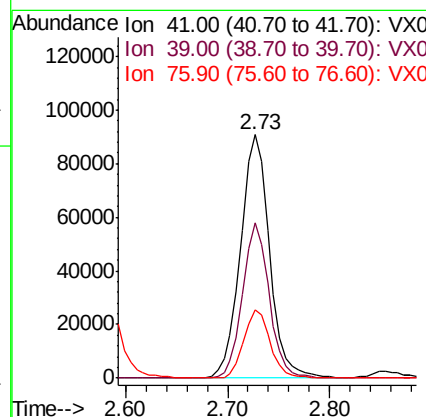
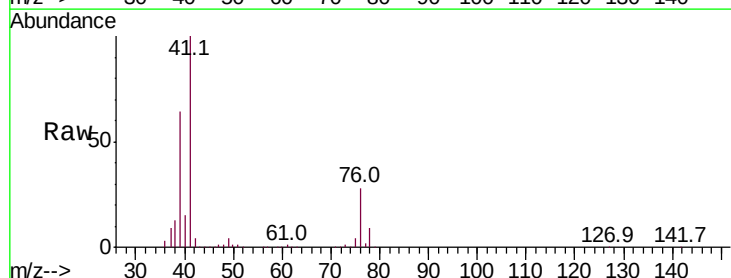
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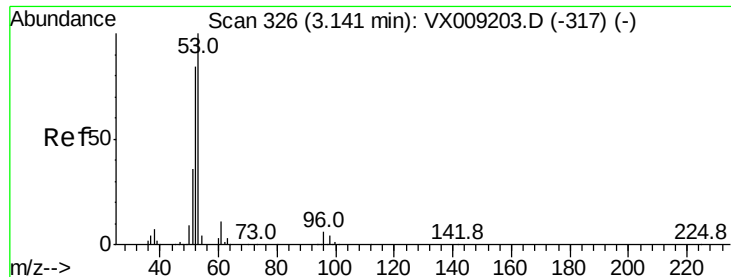
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#14
Allyl chloride
Concen: 45.612 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	41	Resp	178697
Ion Ratio	100	Lower	Upper
39	58.6	46.7	70.1
76	25.7	21.8	32.8





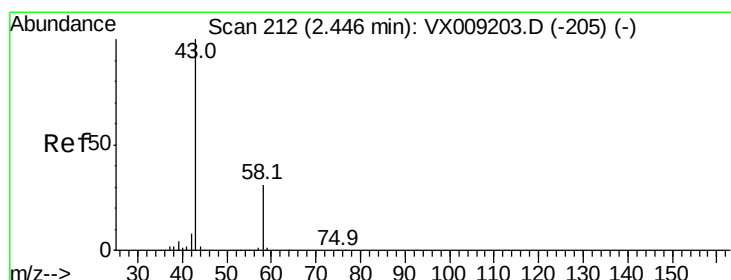
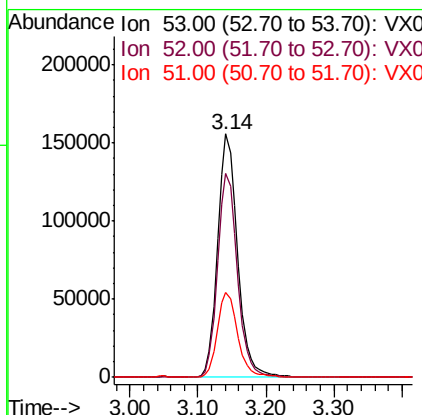
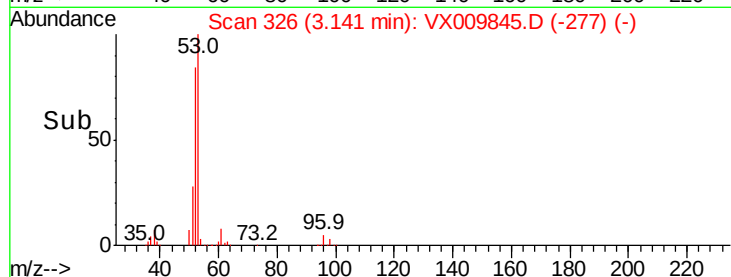
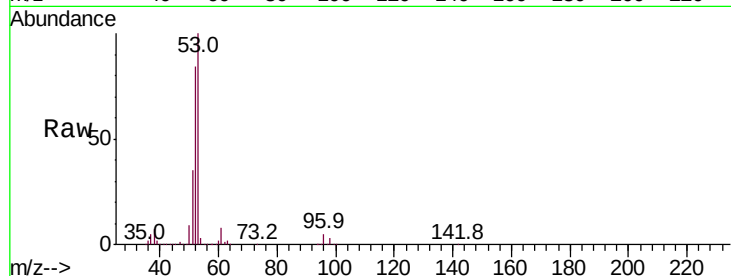
#15
 Acrylonitrile
 Concen: 239.155 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.9	100.3
51	35.6	28.2	42.2

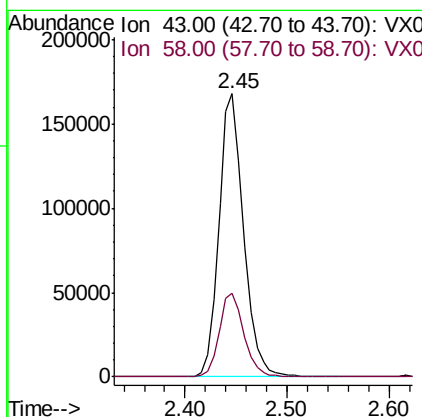
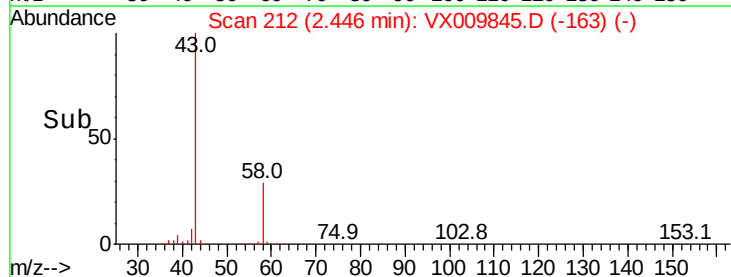
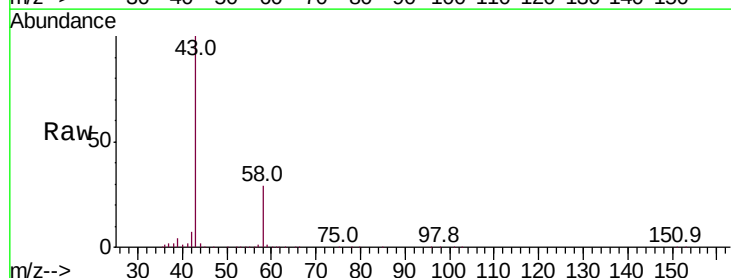
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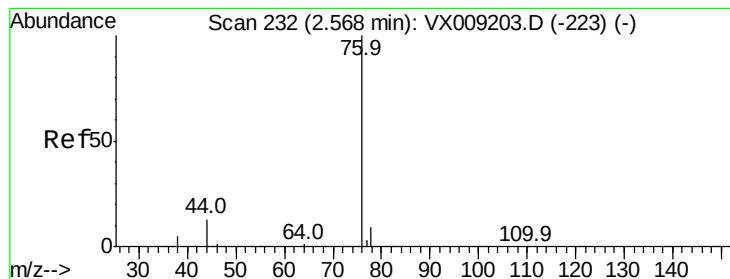
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#16
 Acetone
 Concen: 224.406 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.9	37.3





#17

Carbon Disulfide

Concen: 49.164 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 221902

Ion Ratio Lower Upper

76 100

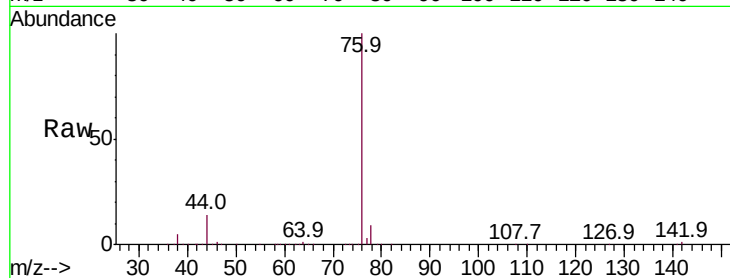
78 8.7 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

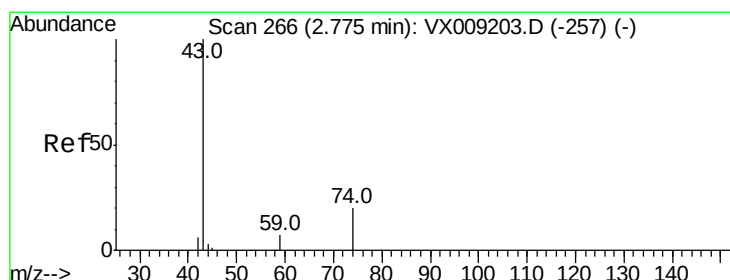
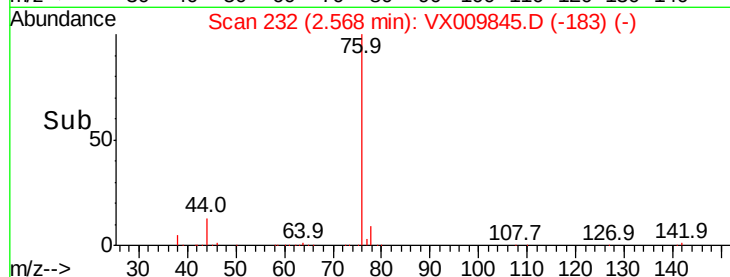
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.381 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009845.D

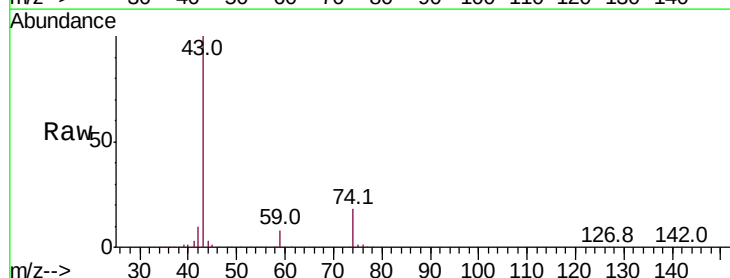
Acq: 23 May 2019 08:18

Tgt Ion: 43 Resp: 138532

Ion Ratio Lower Upper

43 100

74 19.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

2.78

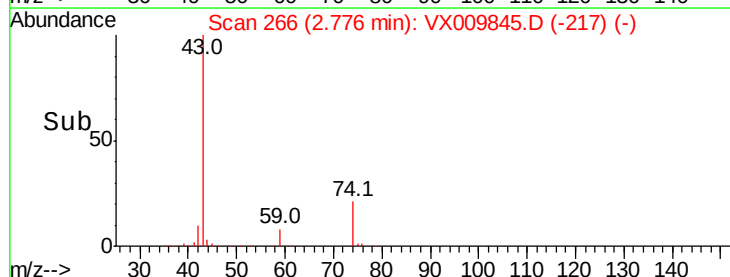
60000

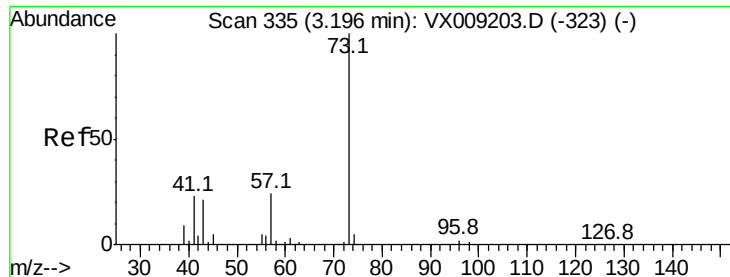
40000

20000

0

Time-->





#19

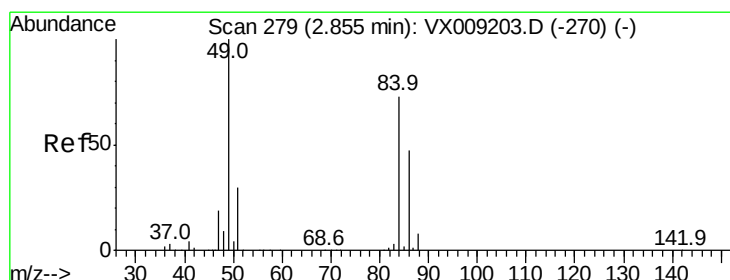
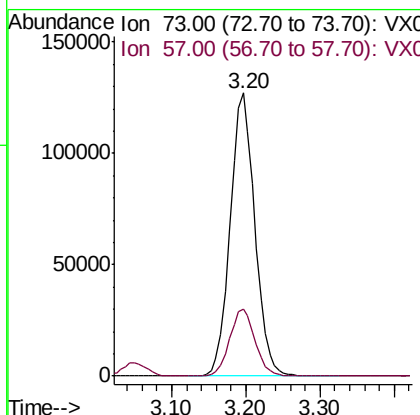
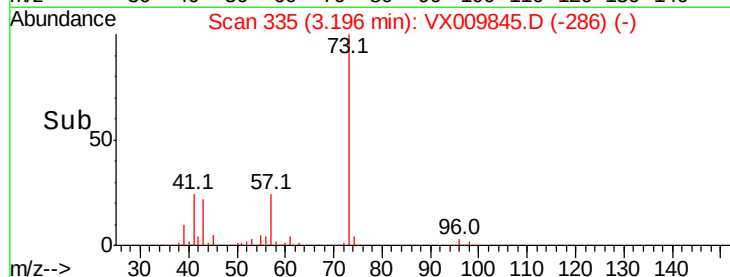
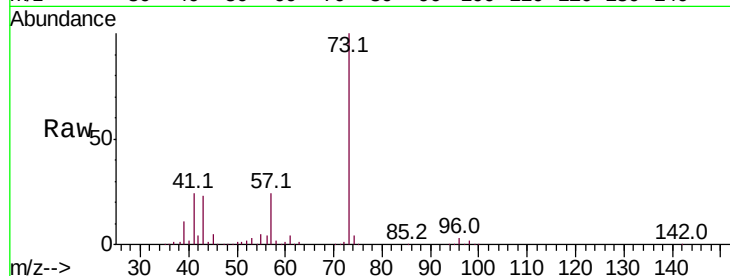
Methyl tert-butyl Ether
 Concen: 47.153 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.3	28.9

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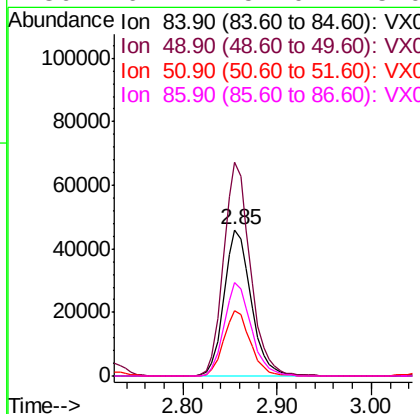
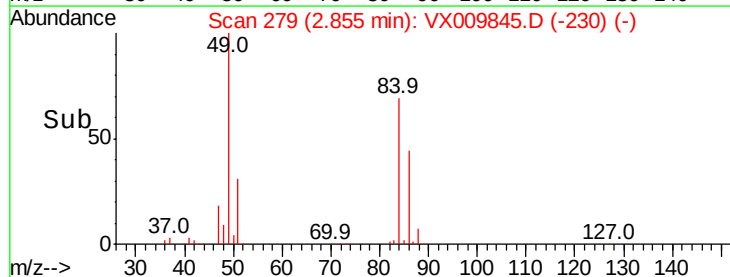
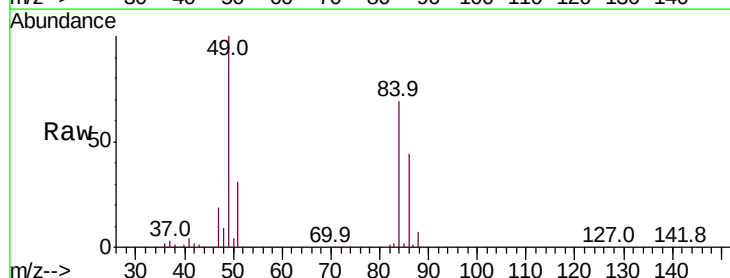
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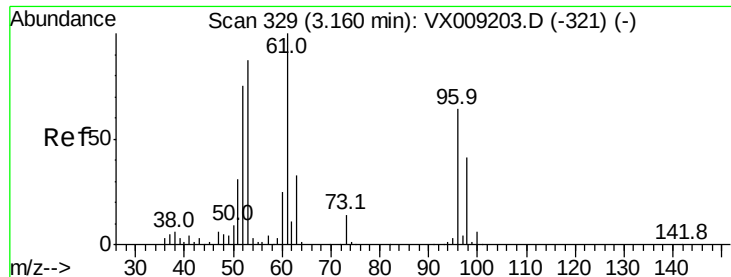


#20

Methylene Chloride
 Concen: 44.999 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.8	109.9	164.9
51	44.7	32.7	49.1
86	64.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 47.687 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 83140

Ion Ratio Lower Upper

96 100

61 160.4 124.5 186.7

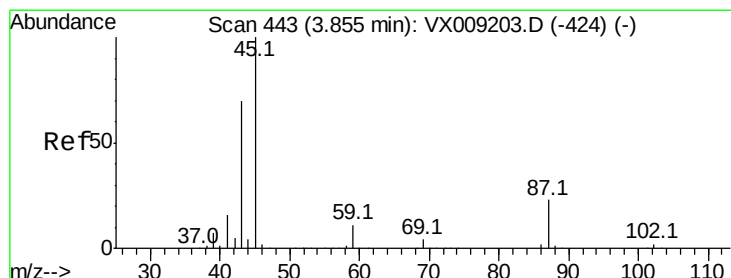
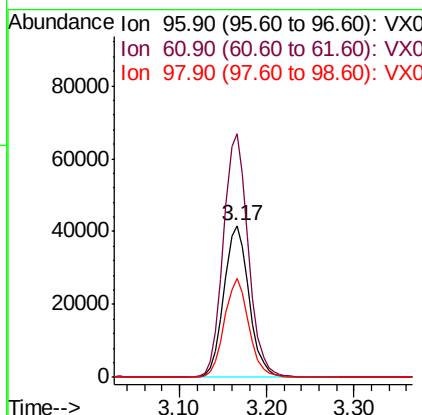
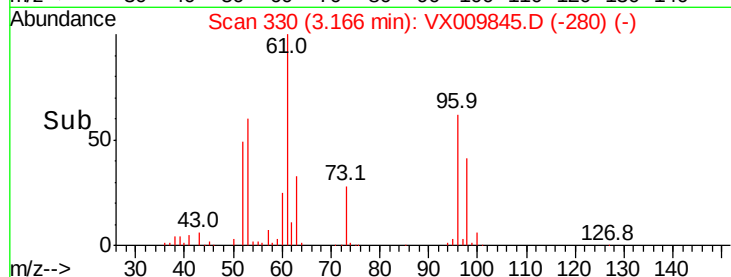
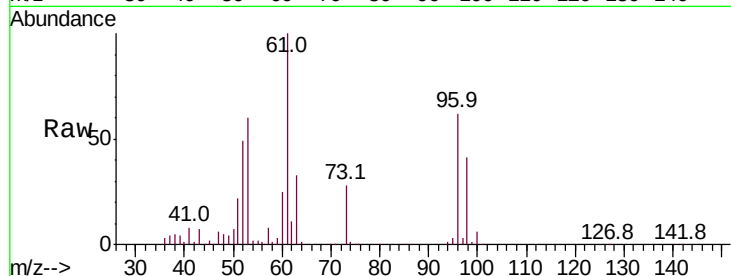
98 65.0 50.4 75.6

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#22

Diisopropyl ether

Concen: 48.434 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Tgt Ion: 45 Resp: 364921

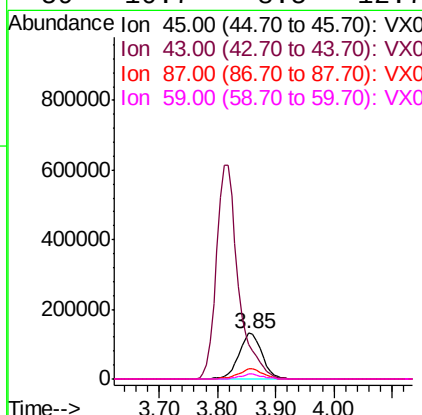
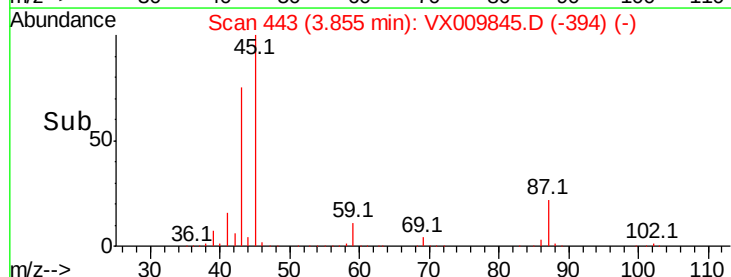
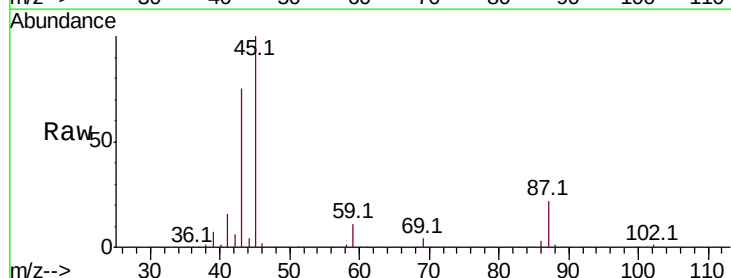
Ion Ratio Lower Upper

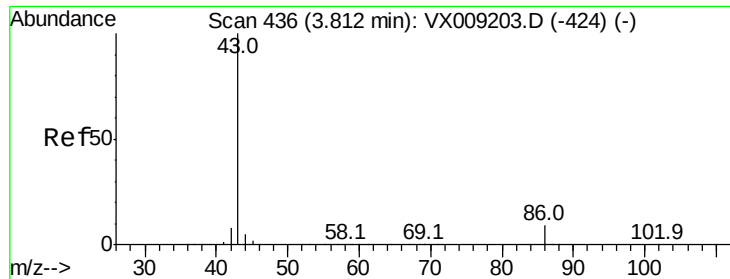
45 100

43 74.8 56.1 84.1

87 22.0 18.1 27.1

59 10.7 8.5 12.7





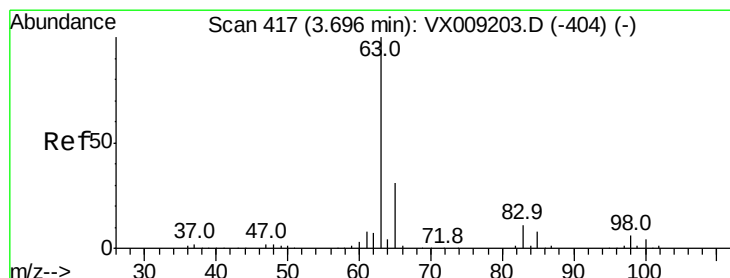
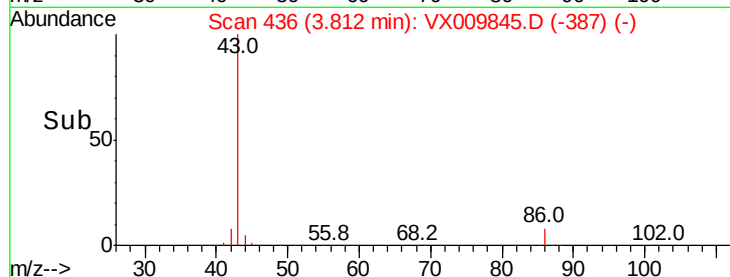
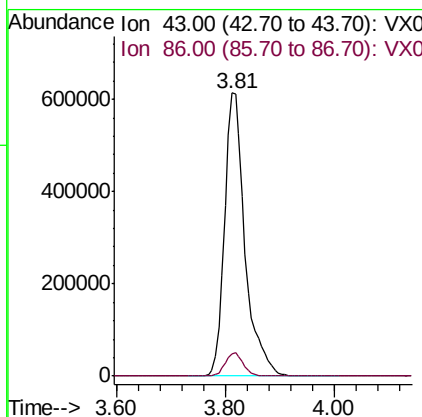
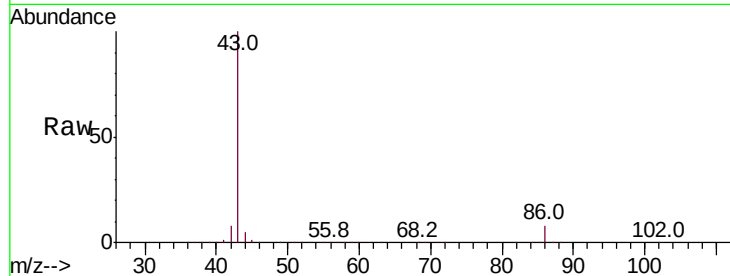
#23
 Vinyl Acetate
 Concen: 248.245 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1601608
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.9 10.3

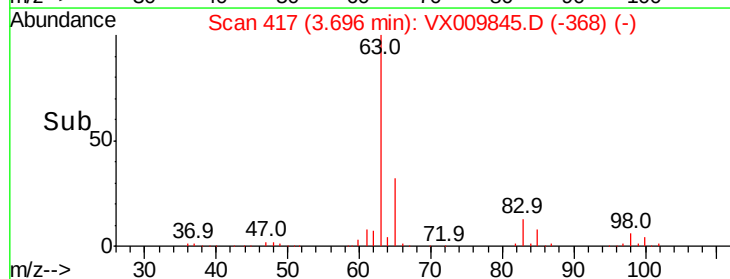
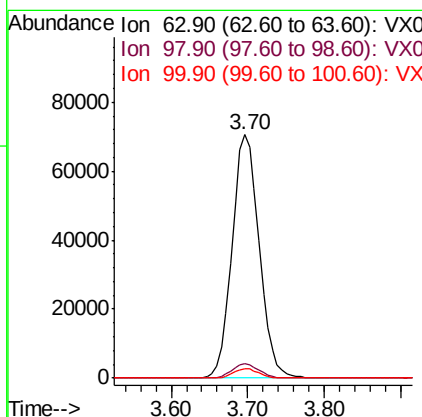
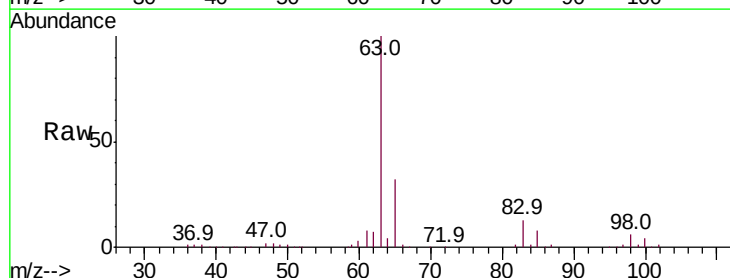
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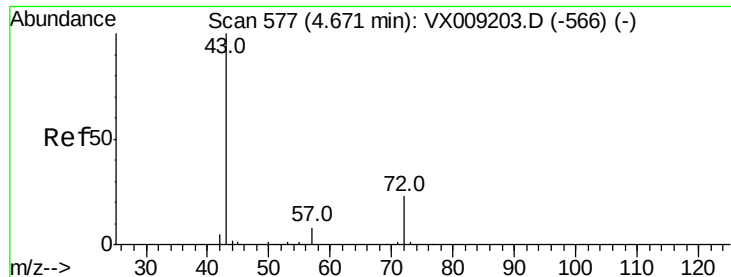
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.594 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion: 63 Resp: 173180
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 245.119 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 478386

Ion Ratio Lower Upper

43 100

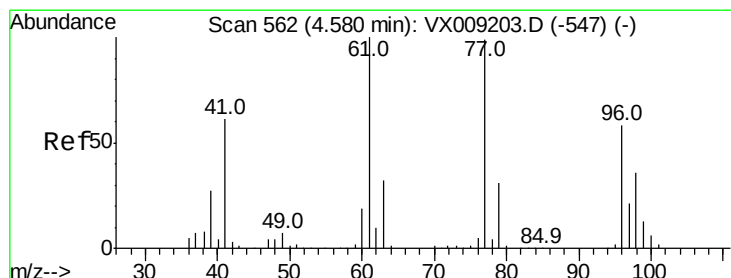
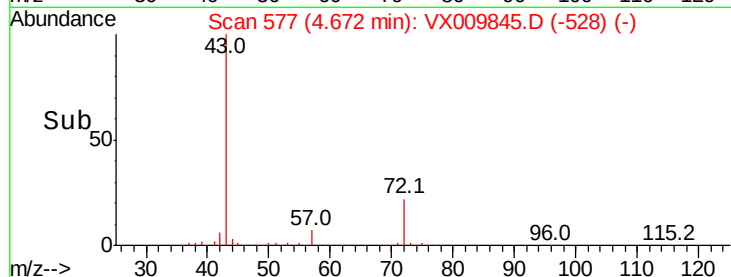
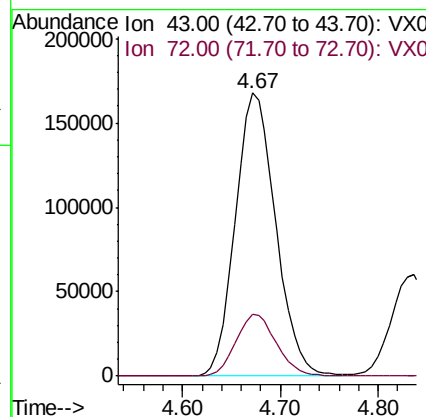
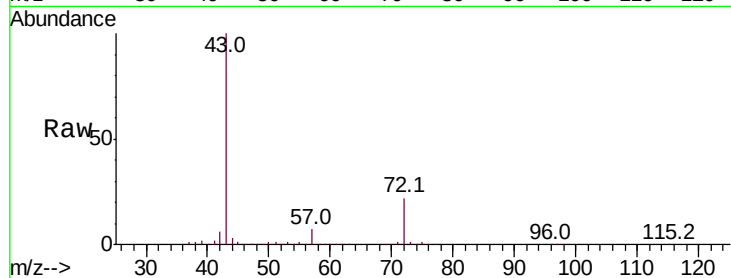
72 21.9 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 27.377 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009845.D

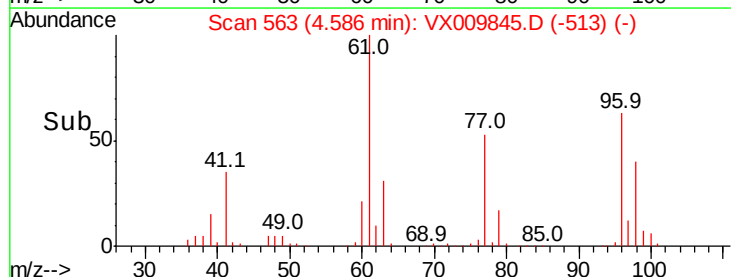
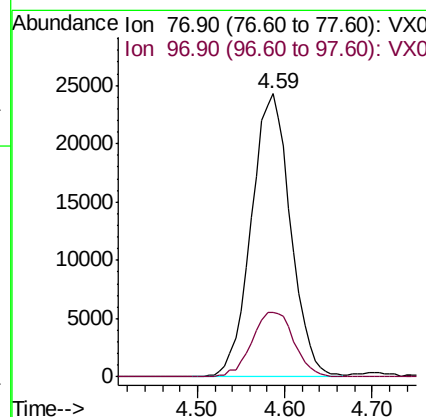
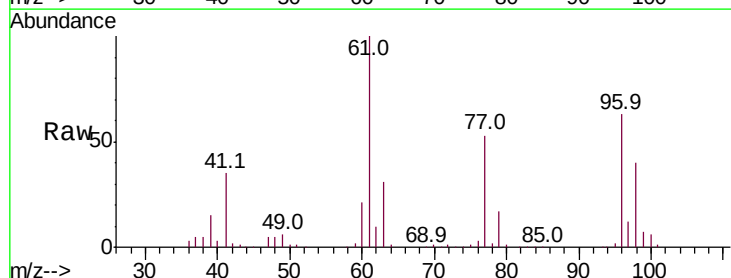
Acq: 23 May 2019 08:18

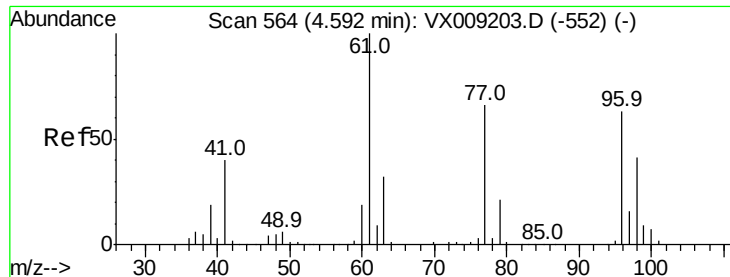
Tgt Ion: 77 Resp: 75739

Ion Ratio Lower Upper

77 100

97 24.8 11.5 34.4





#27

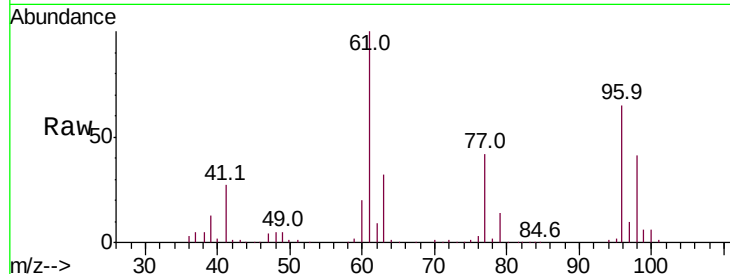
cis-1,2-Dichloroethene
Concen: 46.208 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.6	0.0	324.0	
98	64.6	0.0	130.4	

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5/23/2019 10:39:04 AM

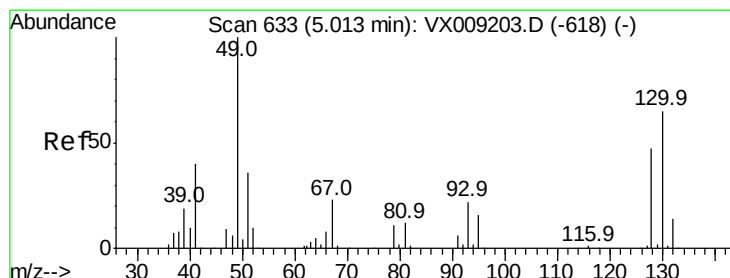
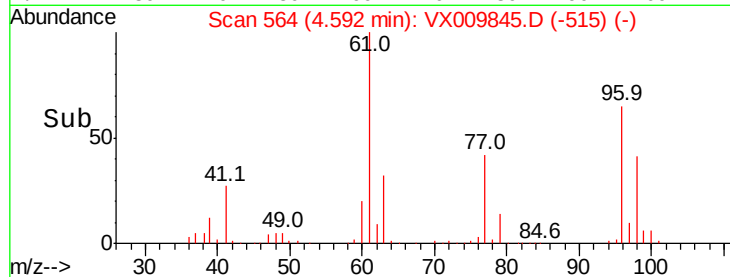
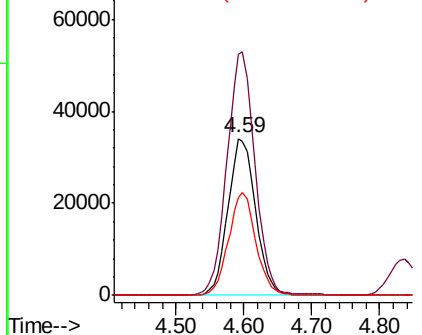


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

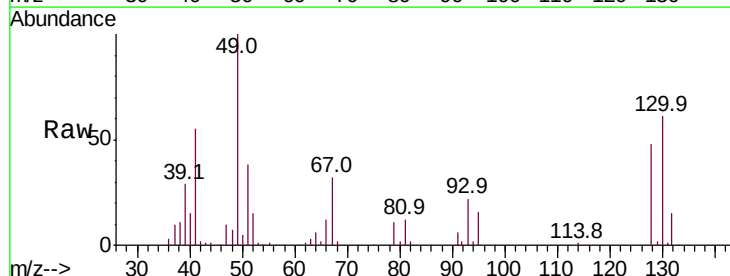
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 58.133 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.8	
130	61.2	51.2	76.8	

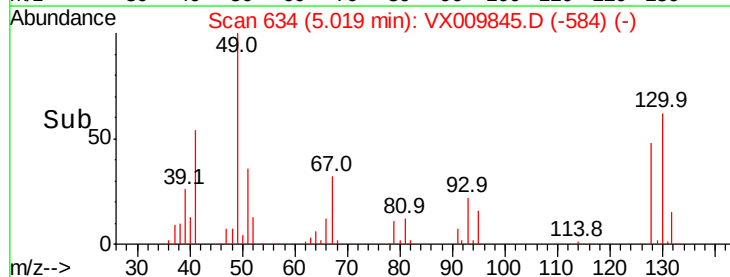
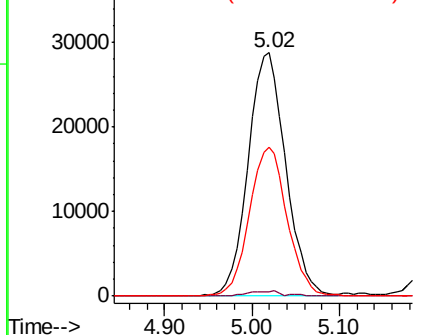


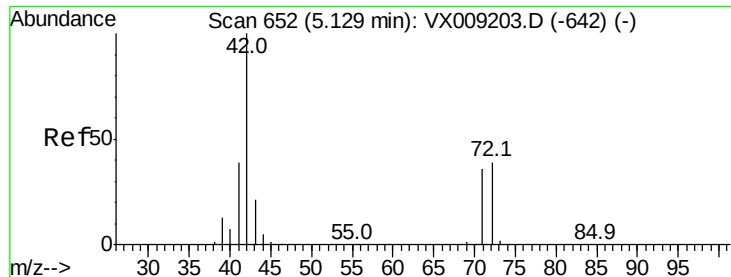
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





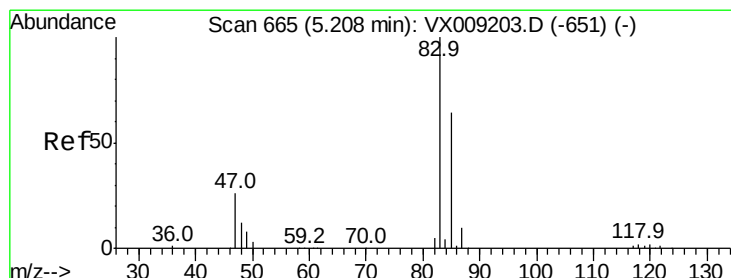
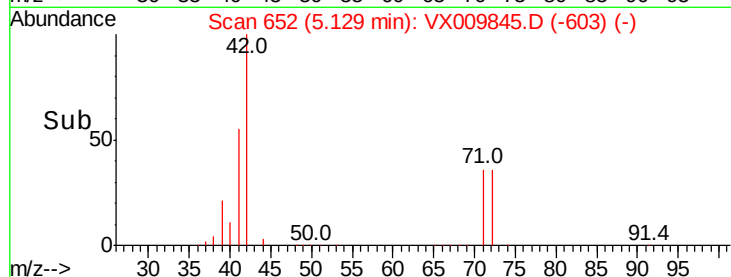
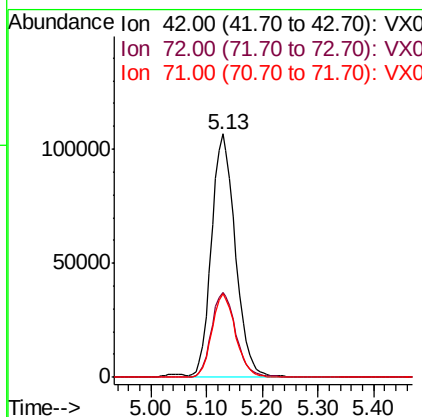
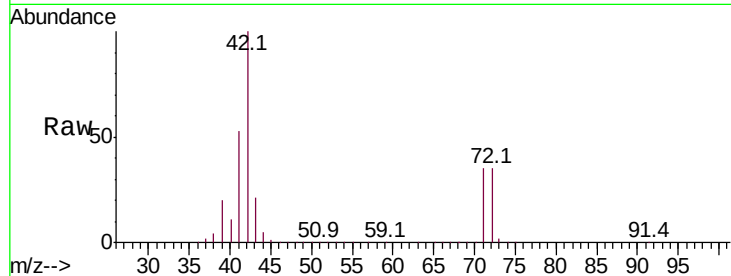
#29
Tetrahydrofuran
Concen: 252.943 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	30.4	45.6
71	34.1	28.6	43.0

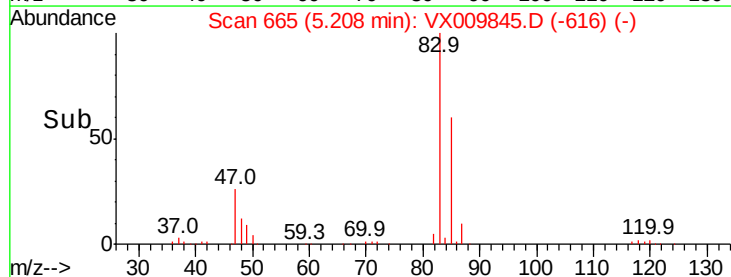
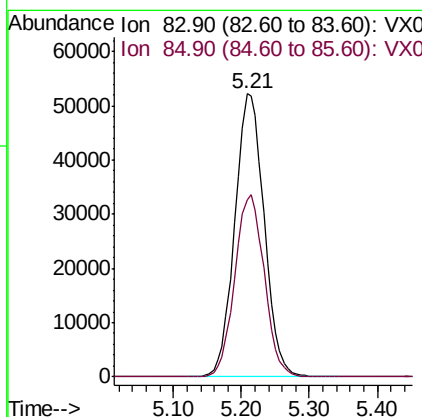
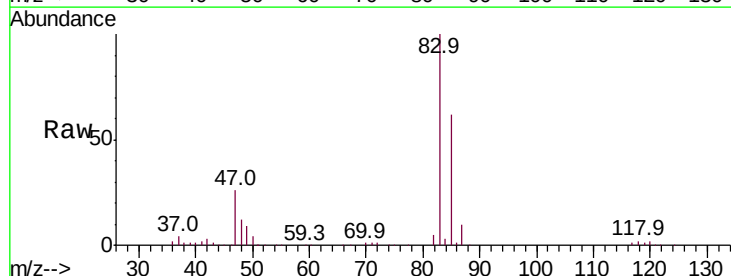
Manual Integrations
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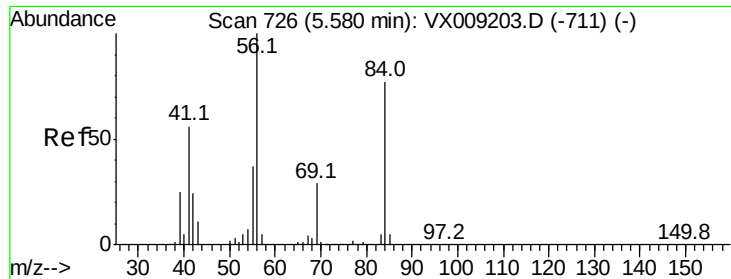
MMDadoda
5/23/2019 10:39:04 AM



#30
Chloroform
Concen: 46.552 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3





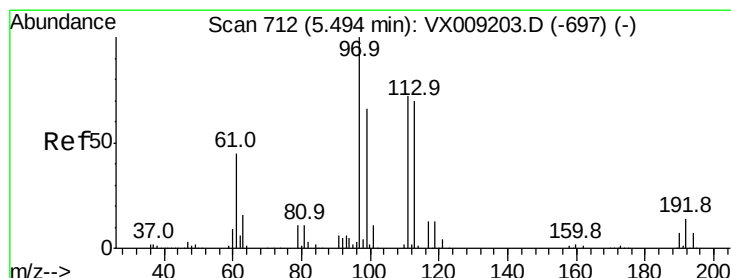
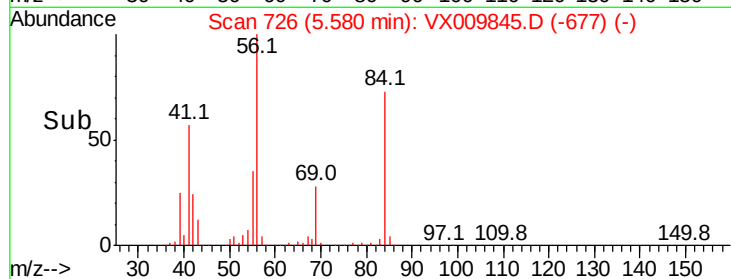
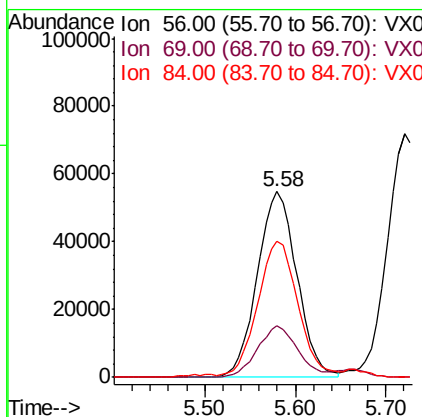
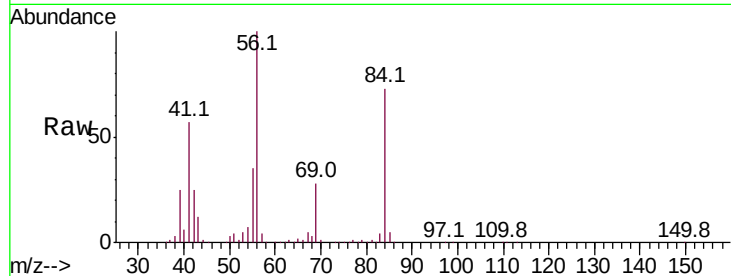
#31
Cyclohexane
Concen: 48.010 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.4	35.0
84	72.2	61.9	92.9

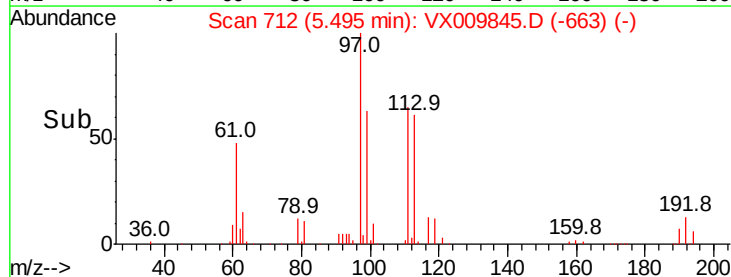
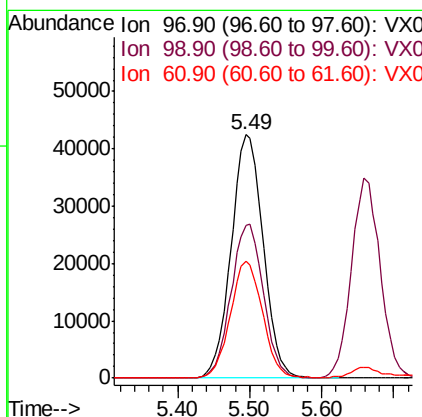
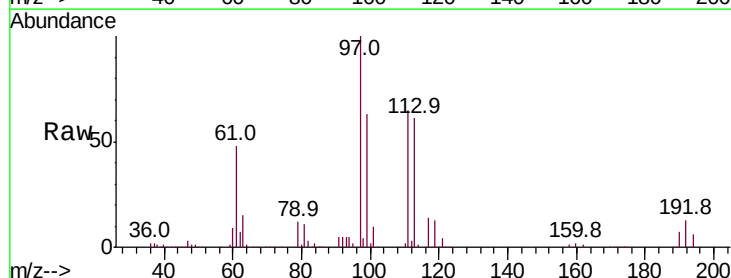
Manual Integrations
APPROVED

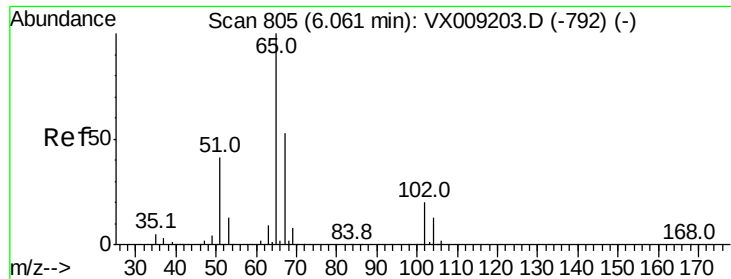
MMDadoda
5/23/2019 10:39:04 AM



#32
1,1,1-Trichloroethane
Concen: 46.849 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	48.3	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 46.522 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 108812

Ion Ratio Lower Upper

65 100

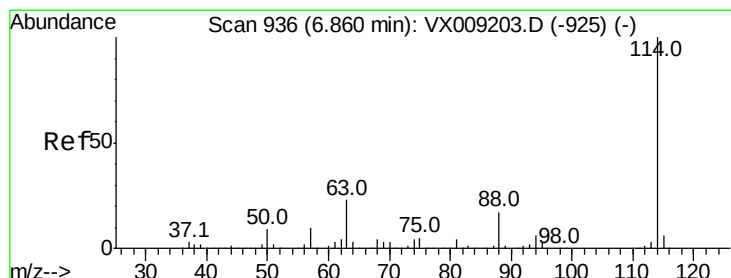
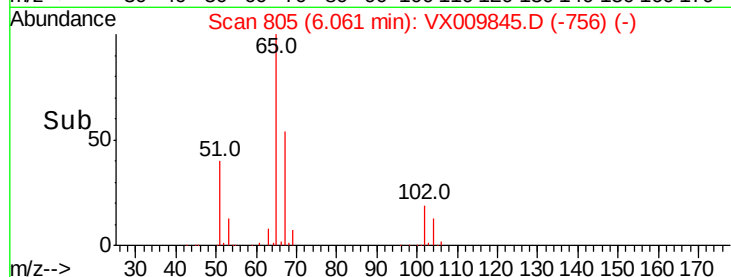
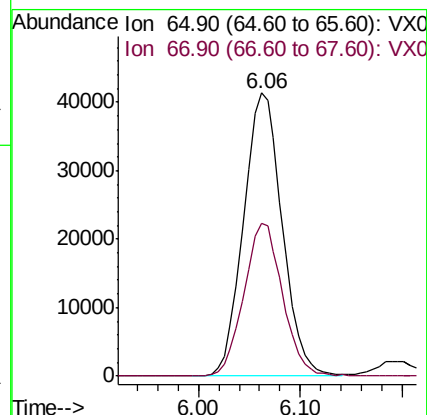
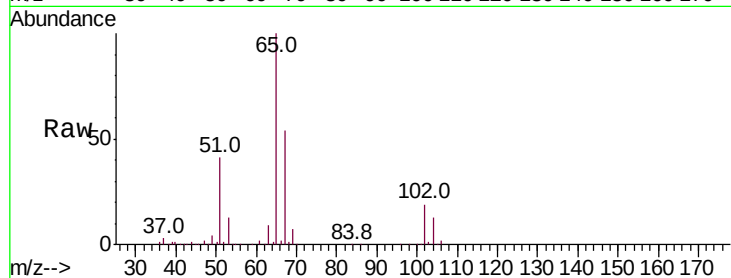
67 54.1 0.0 106.6

Manual Integrations

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5/23/2019 10:39:04 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

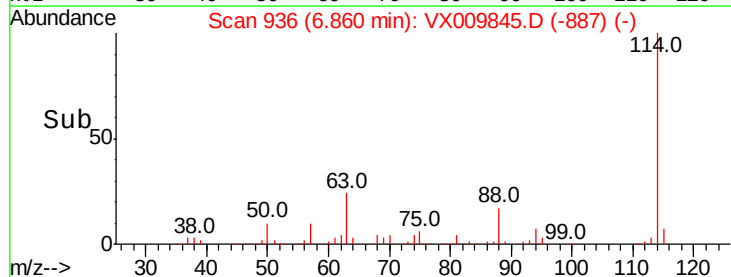
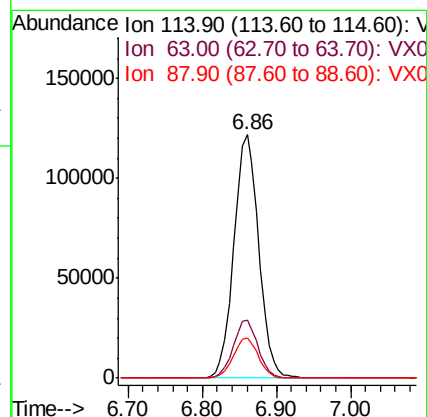
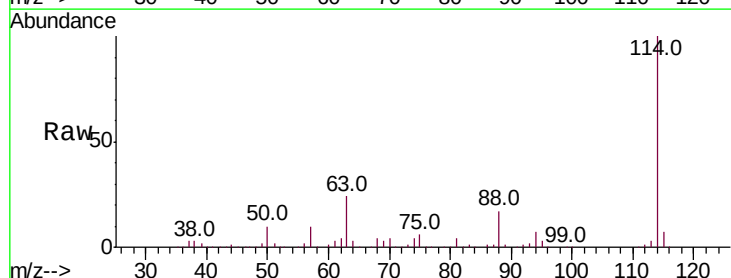
Tgt Ion: 114 Resp: 285819

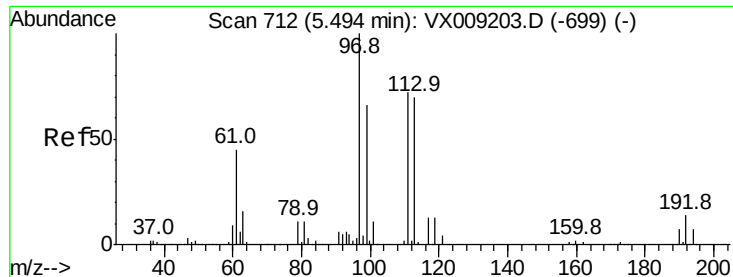
Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 43.276 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 77758

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

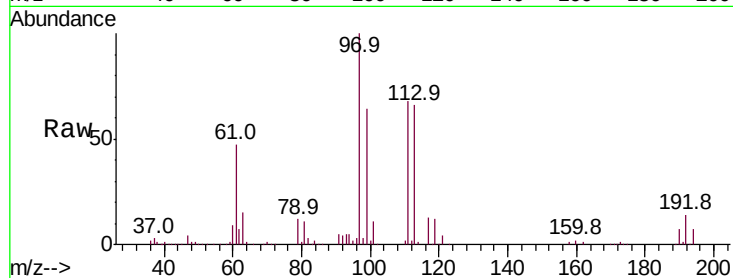
192 21.6 17.0 25.6

Manual Integrations

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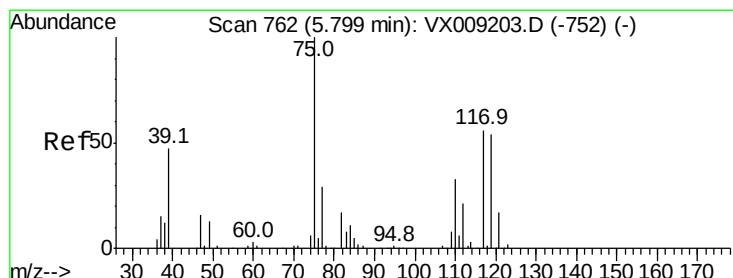
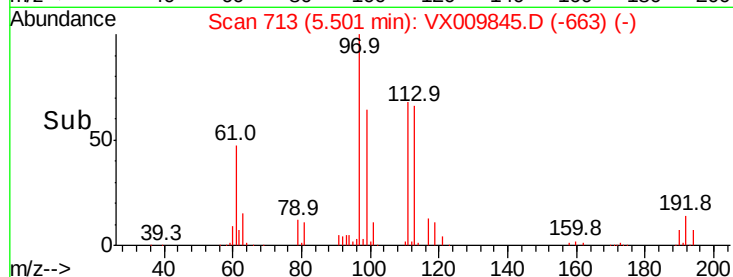
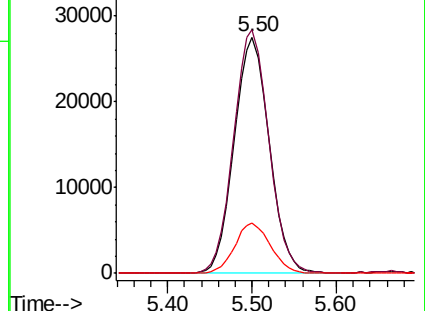
5/23/2019 10:39:04 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.483 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

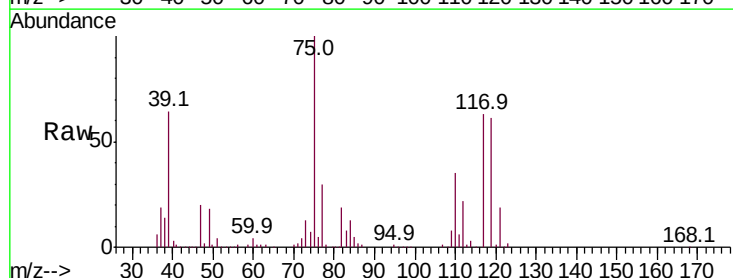
Tgt Ion: 75 Resp: 123467

Ion Ratio Lower Upper

75 100

110 33.4 16.9 50.6

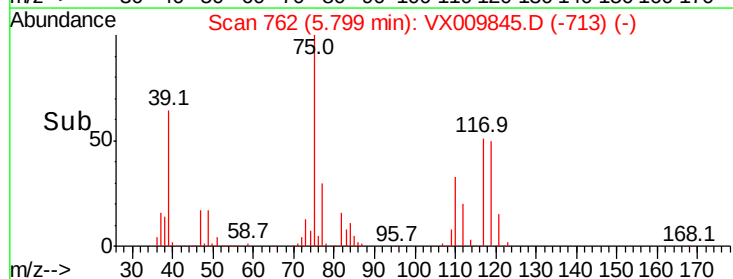
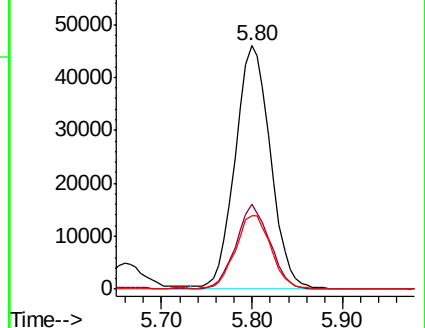
77 30.9 24.8 37.2

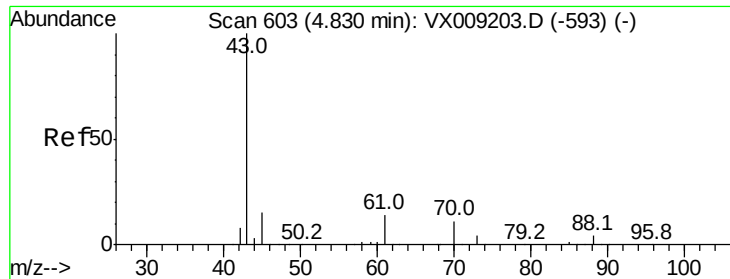


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





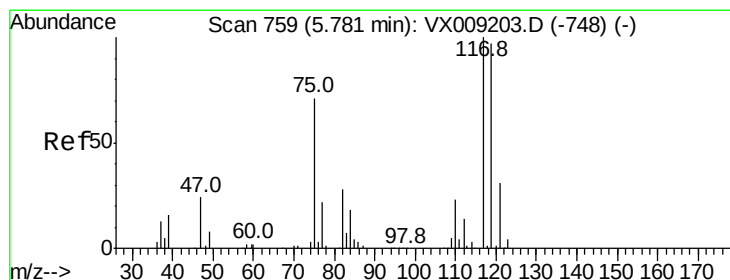
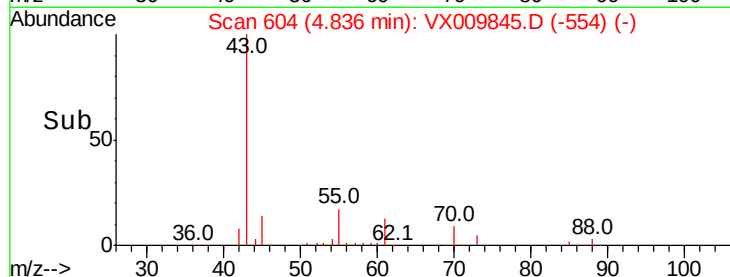
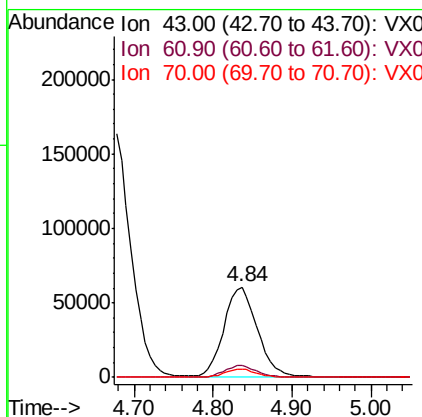
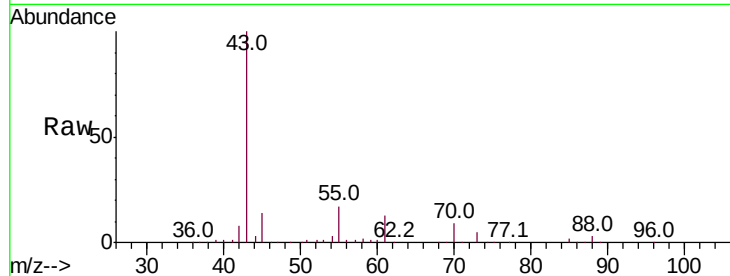
#37
Ethyl Acetate
Concen: 48.163 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.5	15.7
70	9.0	7.9	11.9

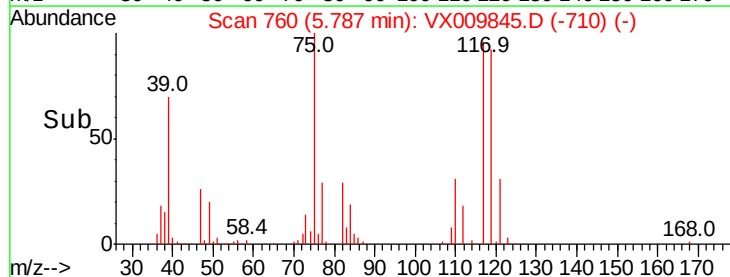
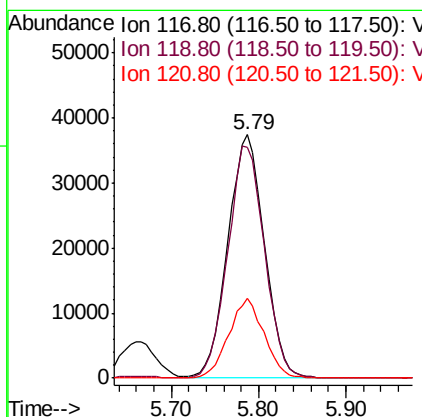
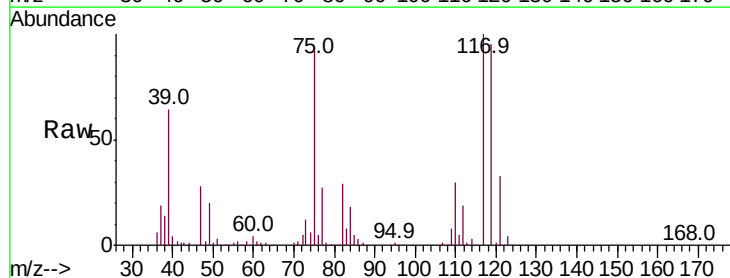
Manual Integrations
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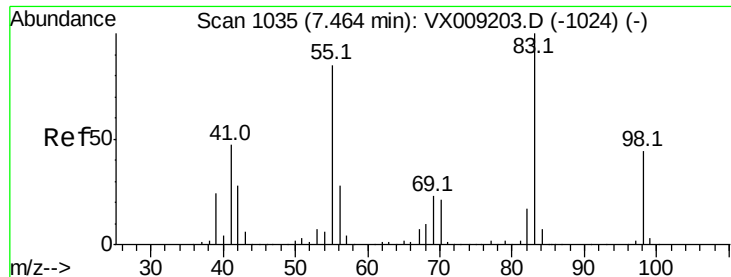
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5/23/2019 10:39:04 AM



#38
Carbon Tetrachloride
Concen: 45.027 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	32.7	24.7	37.1





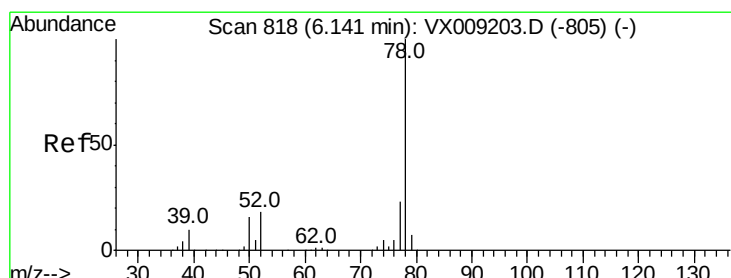
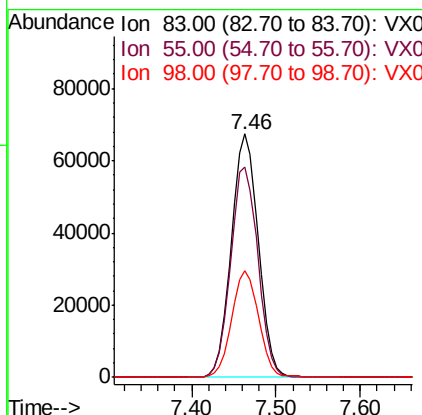
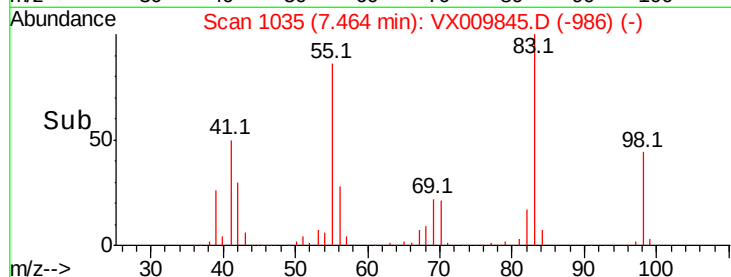
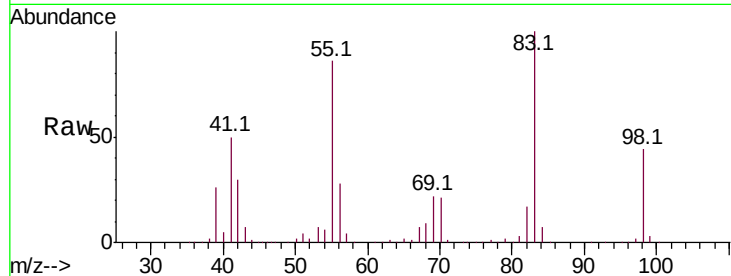
#39
Methvlcvclohexane
Concen: 44.708 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	67.7	101.5
98	43.8	35.5	53.3

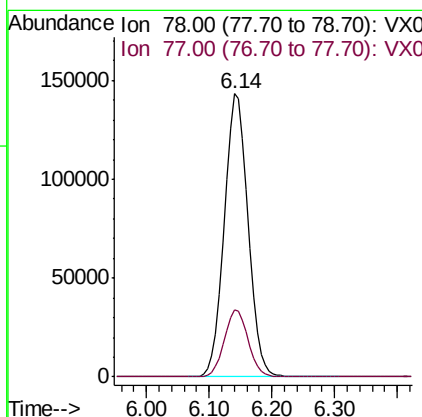
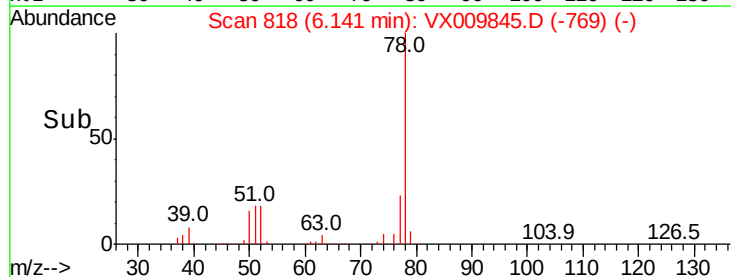
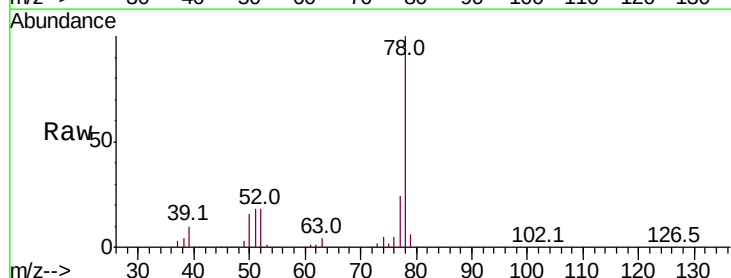
Manual Integrations
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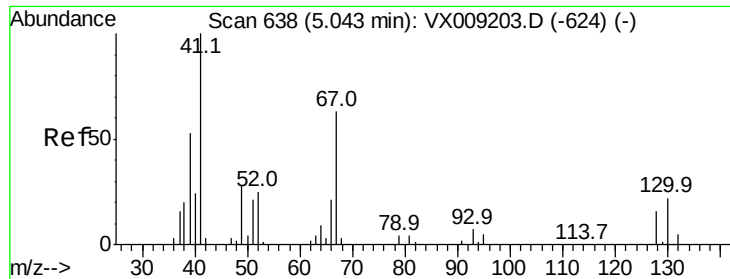
MMDadoda
5/23/2019 10:39:04 AM



#40
Benzene
Concen: 45.729 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





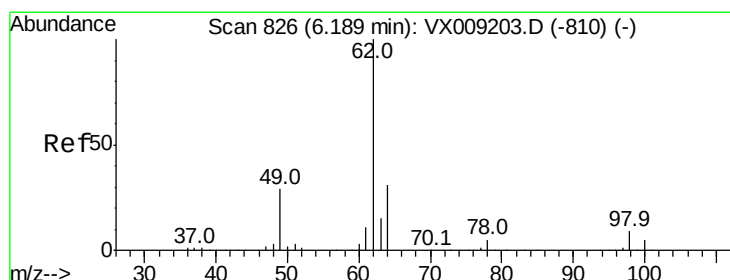
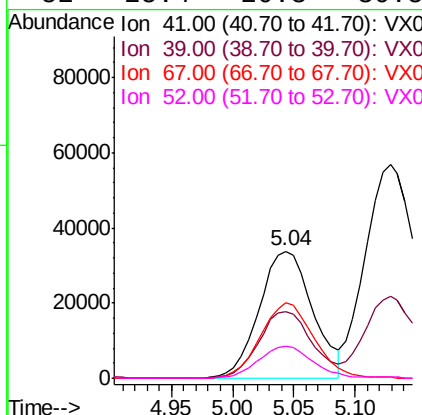
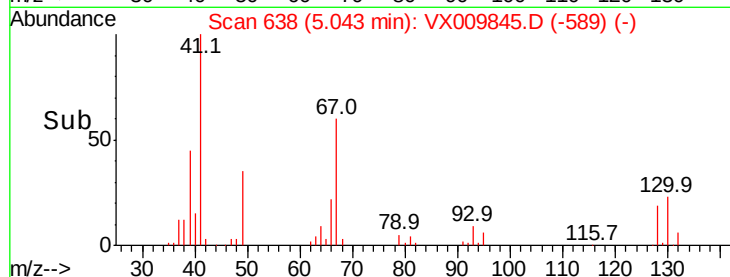
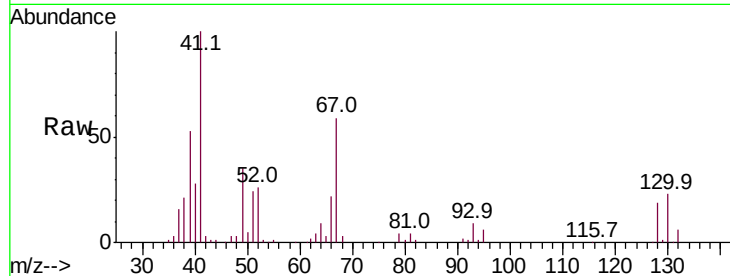
#41
Methacrylonitrile
Concen: 46.493 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.0	63.0	
67	59.7	49.8	74.8	
52	25.4	20.3	30.5	

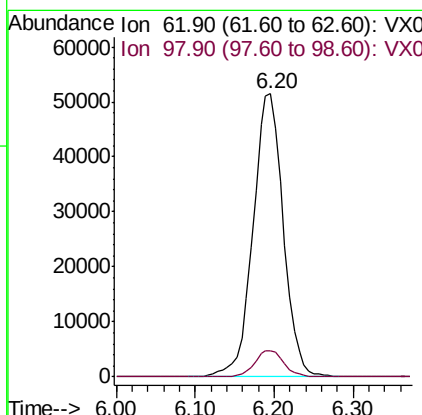
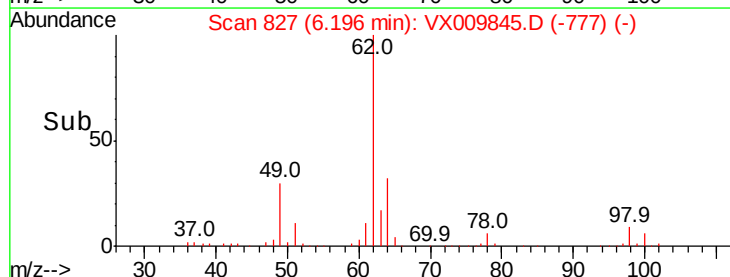
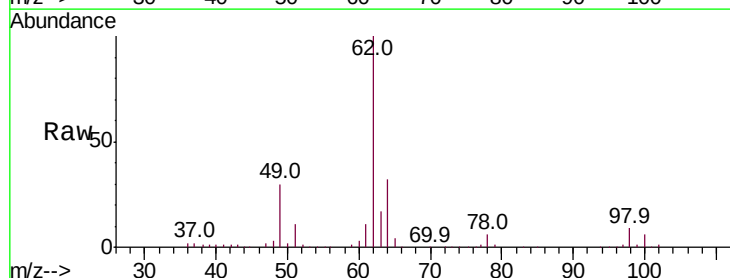
Manual Integrations
APPROVED

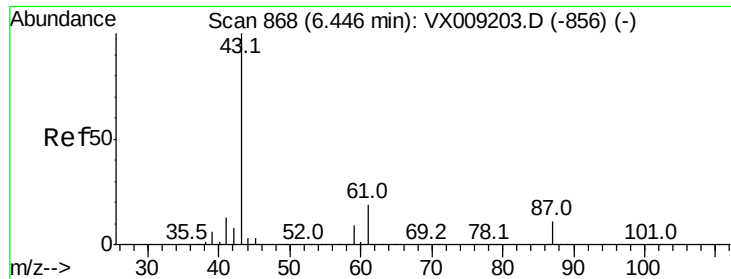
MMDadoda
5/23/2019 10:39:04 AM



#42
1,2-Dichloroethane
Concen: 46.300 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.2	





#43

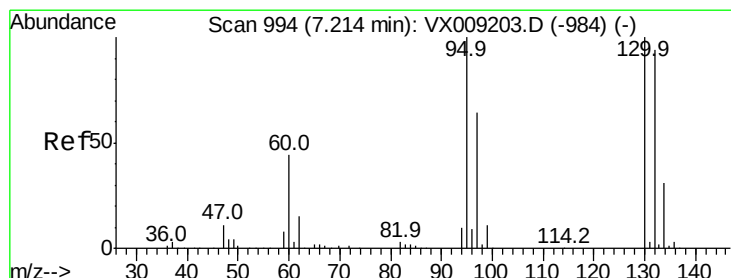
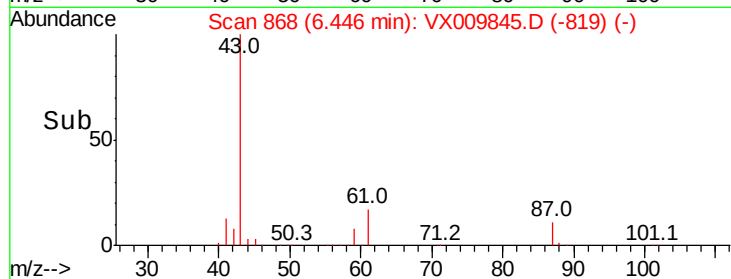
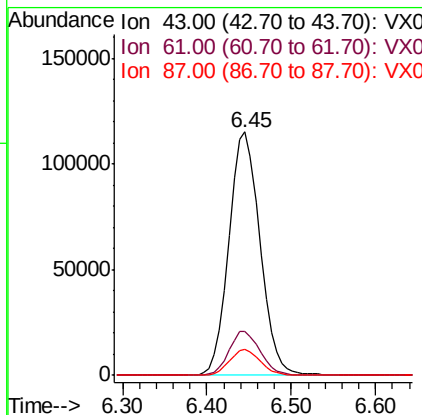
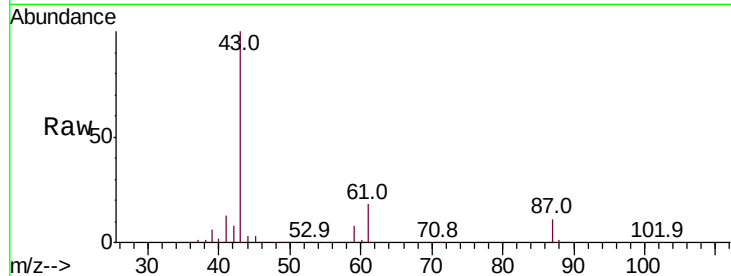
Isopropyl Acetate
 Concen: 48.495 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	10.6	9.0	13.6

Manual Integrations
 APPROVED

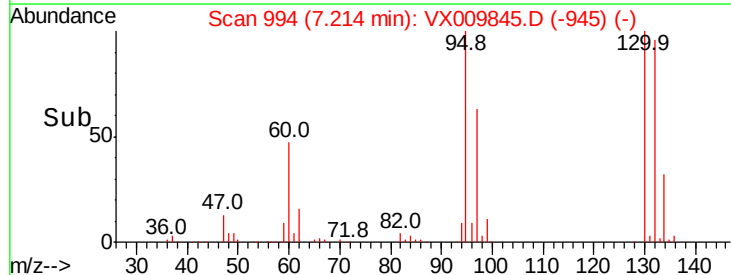
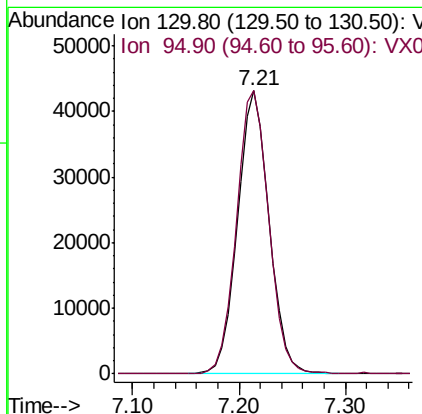
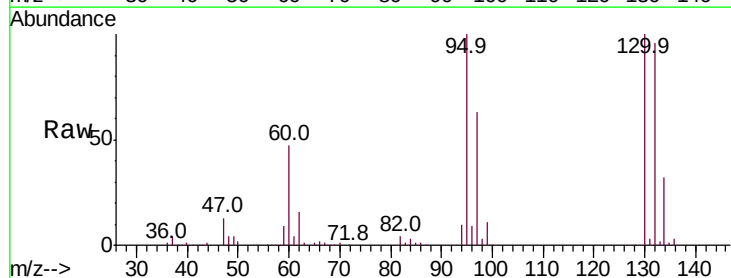
MMDadoda
 5/23/2019 10:39:04 AM

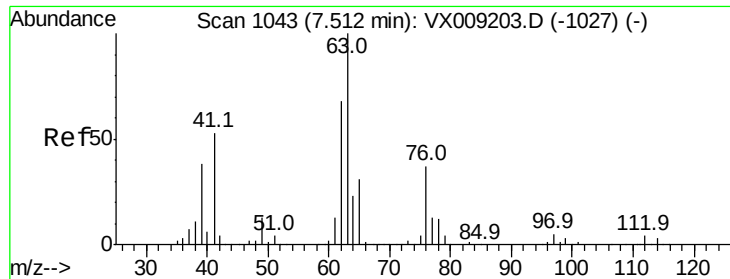


#44

Trichloroethene
 Concen: 45.167 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	199.2





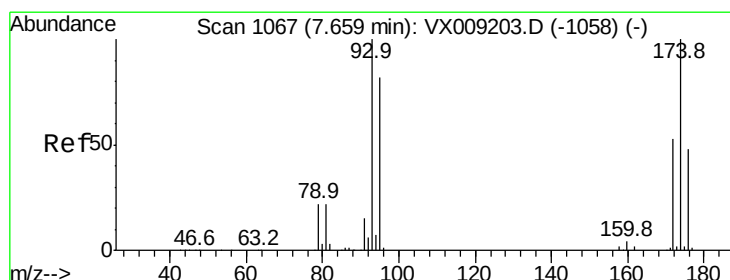
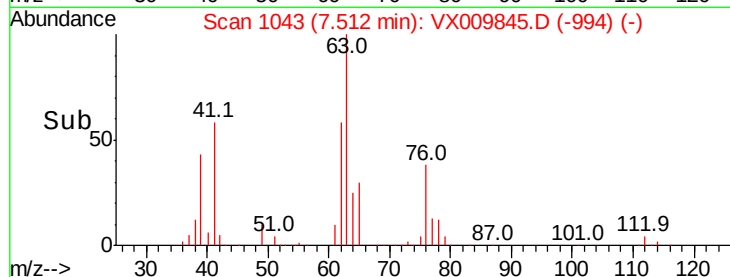
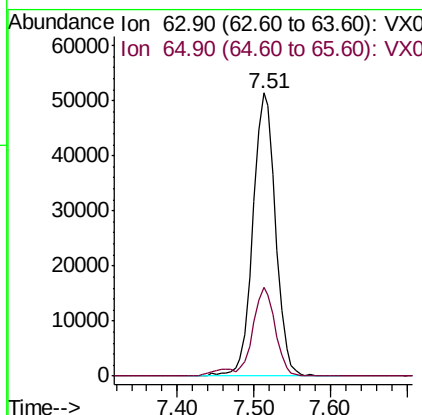
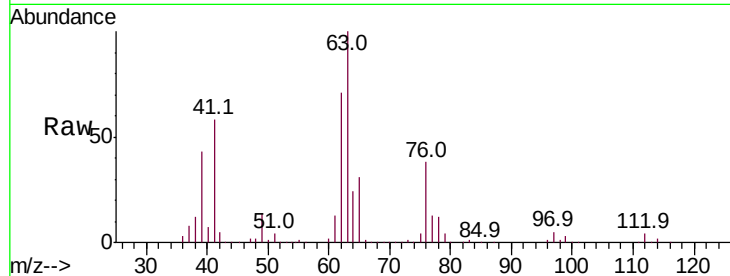
#45
 1,2-Dichloropropane
 Concen: 45.702 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 106378
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

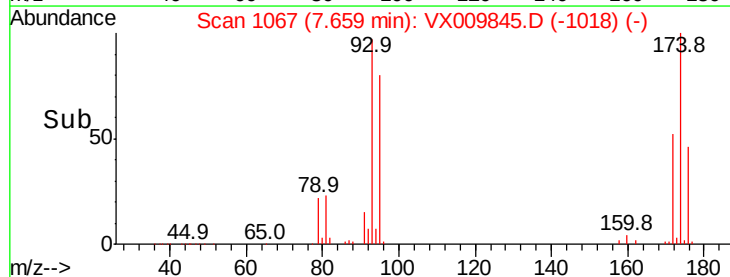
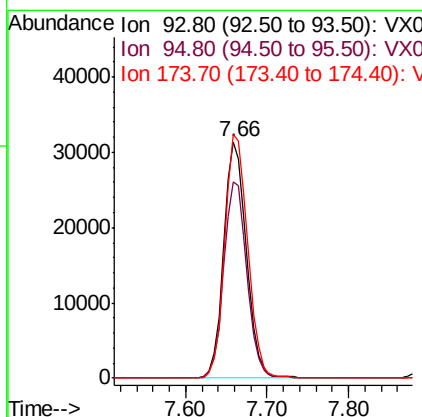
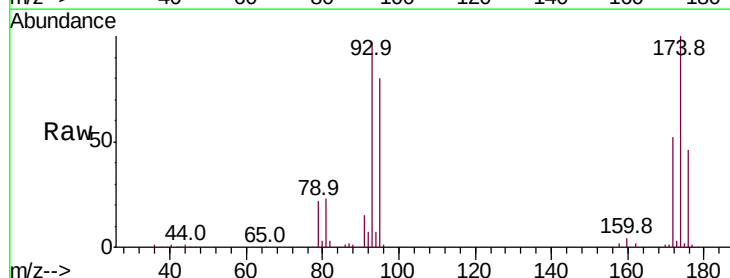
Manual Integrations
 APPROVED

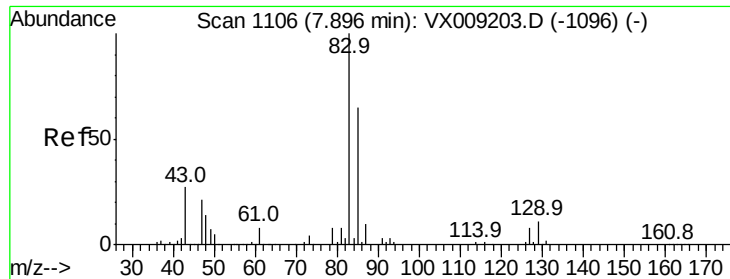
MMDadoda
 5/23/2019 10:39:04 AM



#46
 Dibromomethane
 Concen: 44.450 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion: 93 Resp: 60082
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.5 99.7
 174 104.2 82.1 123.1





#47

Bromodichloromethane

Concen: 45.968 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

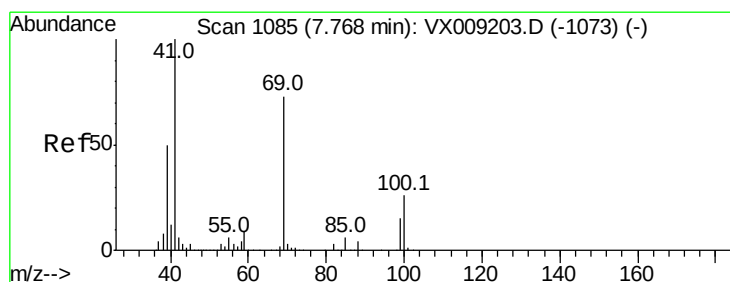
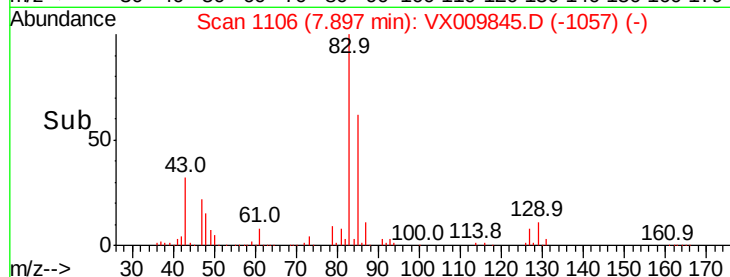
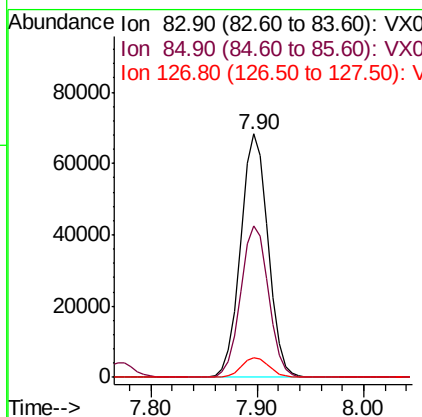
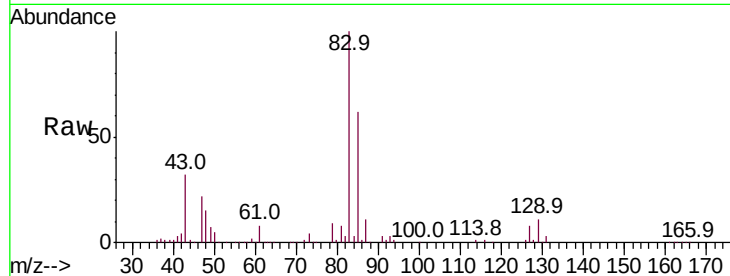
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123943
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.4	78.6
127	7.9	6.6	10.0

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5/23/2019 10:39:04 AM



#48

Methyl methacrylate

Concen: 49.716 ug/l

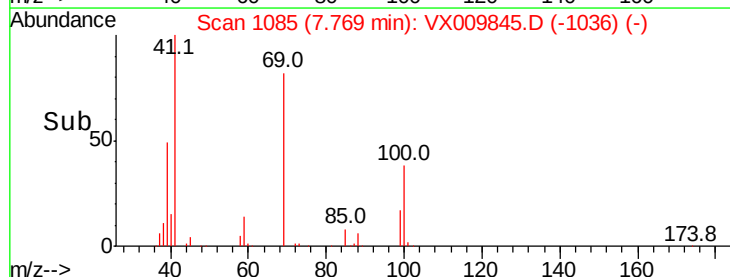
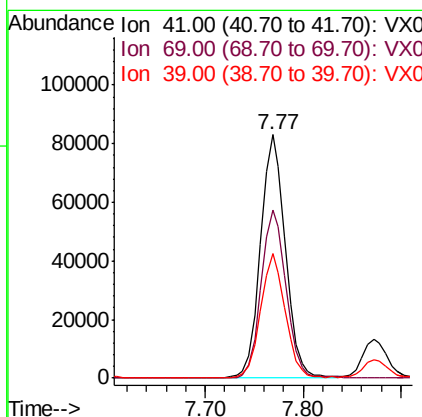
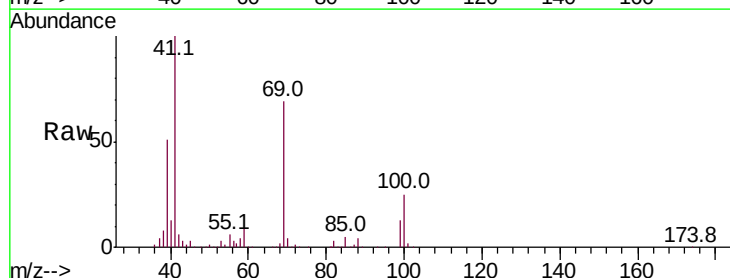
RT: 7.77 min Scan# 1085

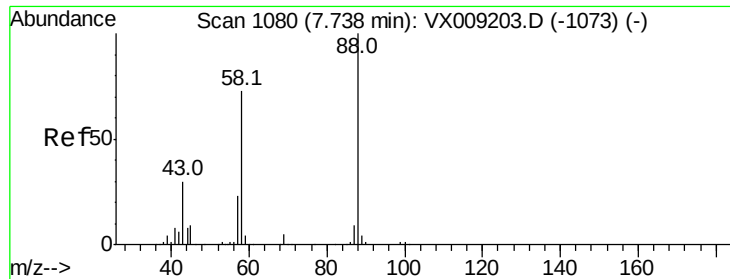
Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Tgt Ion:	41	Resp:	146011
Ion	Ratio	Lower	Upper
41	100		
69	69.9	59.1	88.7
39	50.9	40.4	60.6





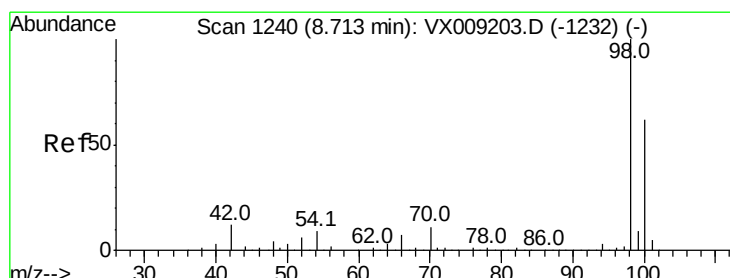
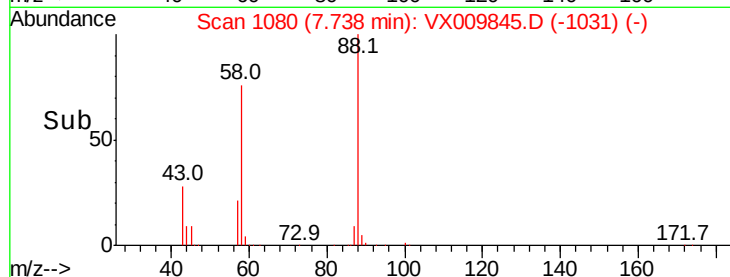
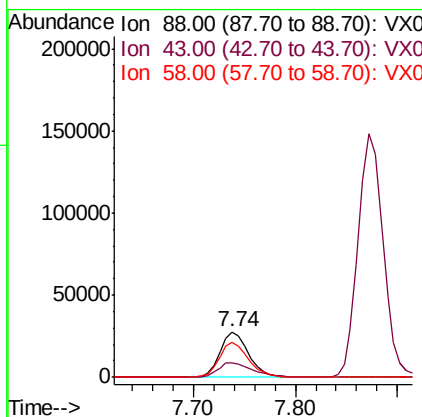
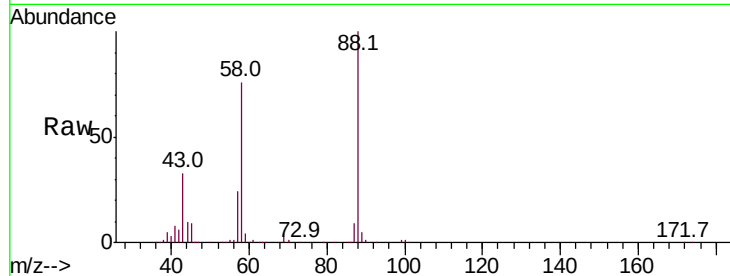
#49
1,4-Dioxane
Concen: 906.136 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	28.6	42.8
58	79.6	61.7	92.5

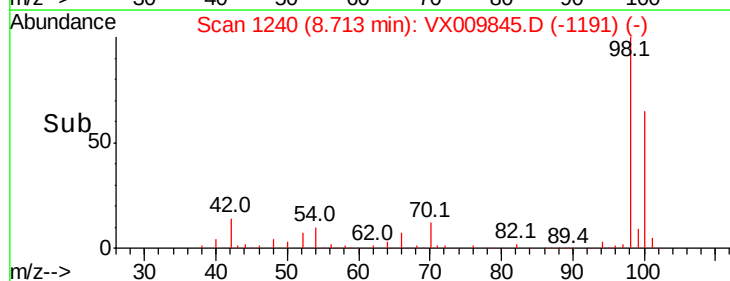
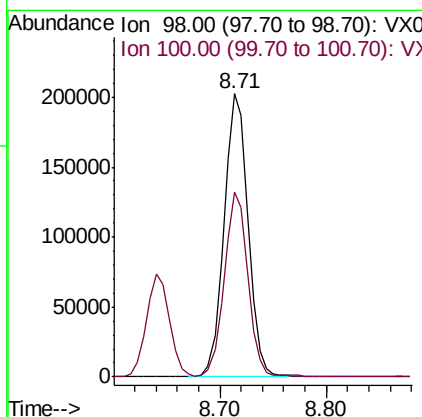
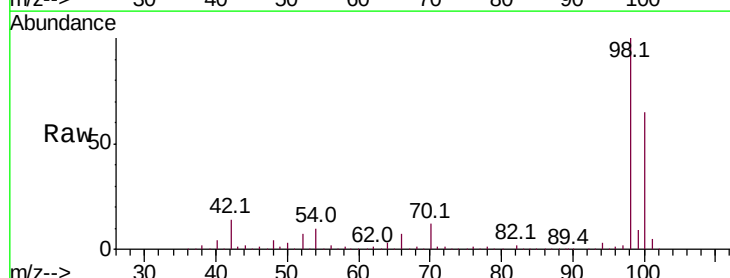
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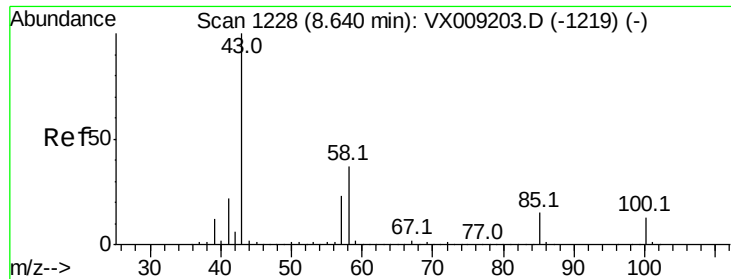
MMDadoda
5/23/2019 10:39:04 AM



#50
Toluene-d8
Concen: 44.112 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 245.795 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 951031

Ion Ratio Lower Upper

43 100

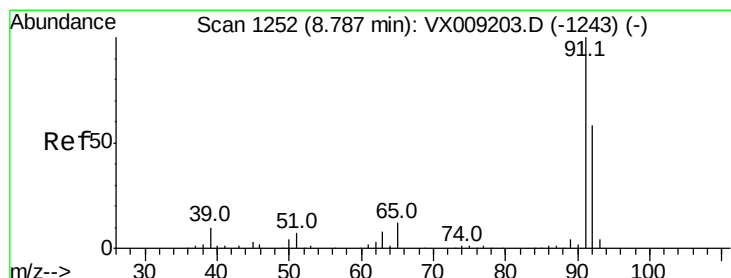
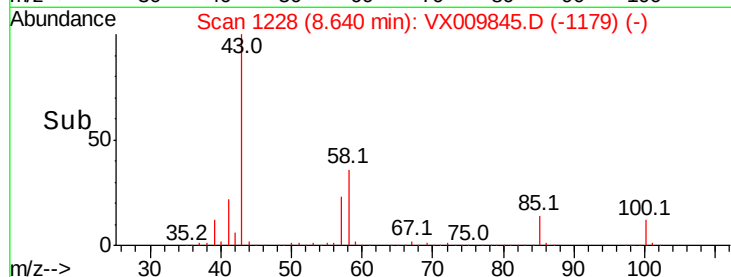
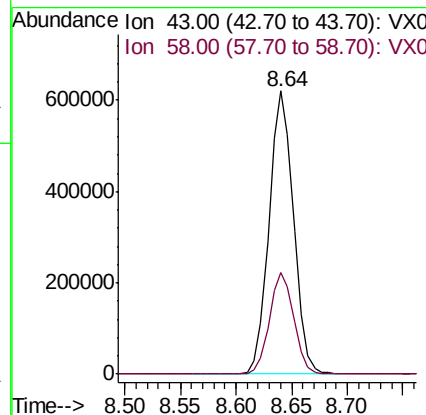
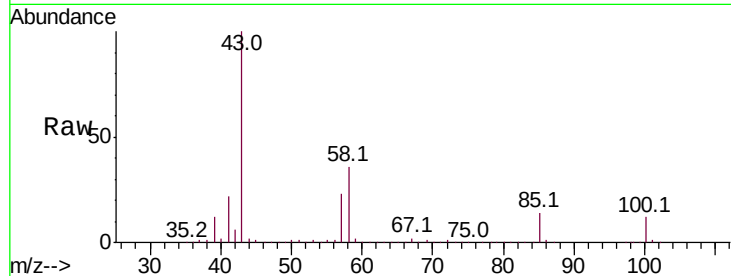
58 35.7 29.5 44.3

Manual Integrations

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5/23/2019 10:39:04 AM



#52

Toluene

Concen: 45.877 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009845.D

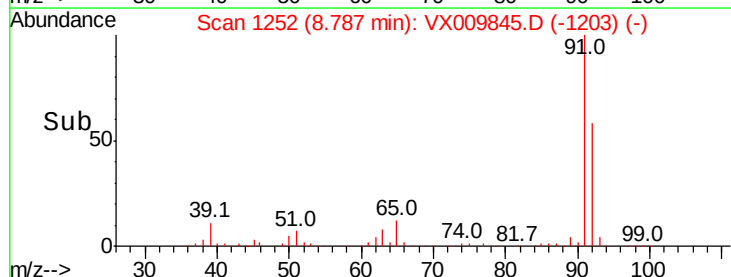
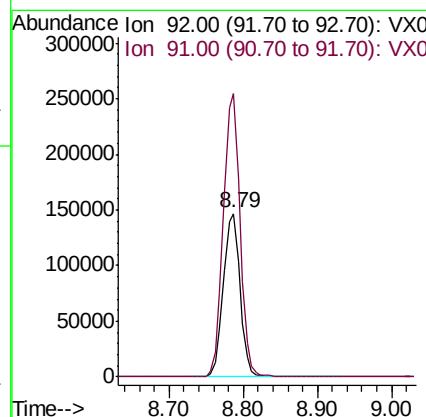
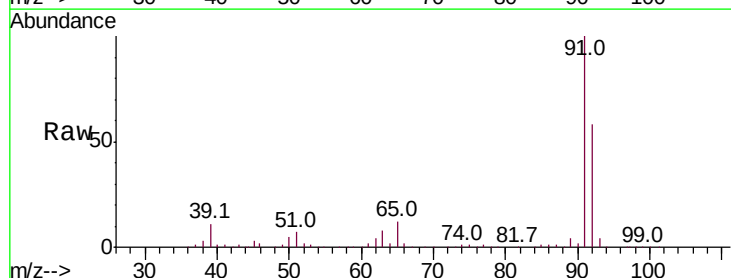
Acq: 23 May 2019 08:18

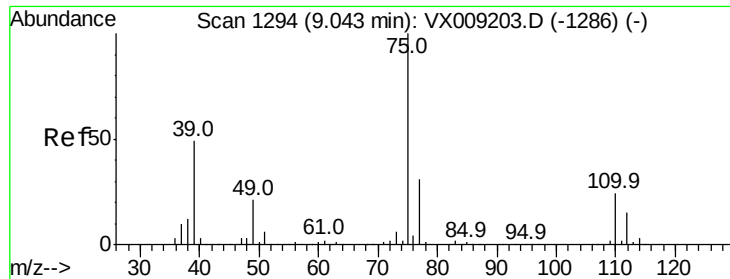
Tgt Ion: 92 Resp: 229245

Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2





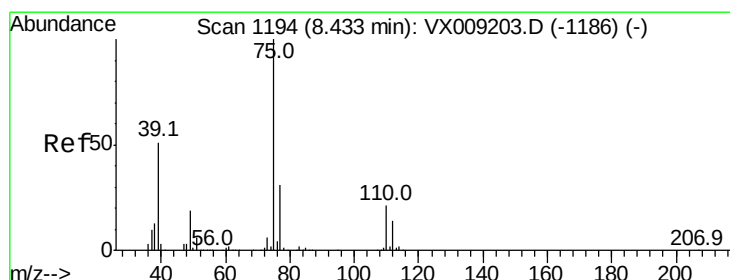
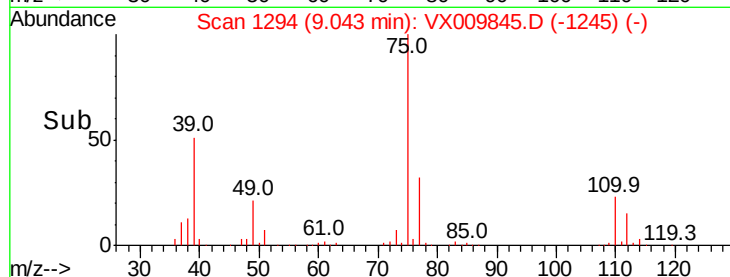
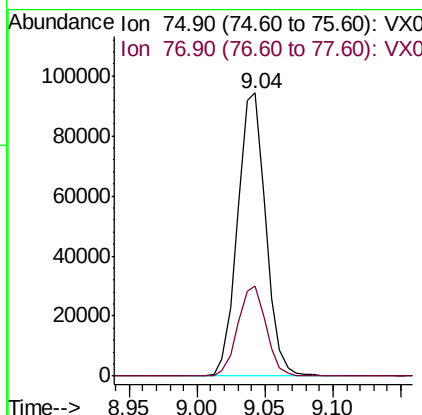
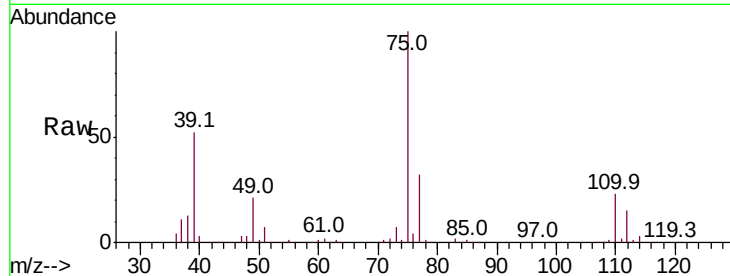
#53
t-1,3-Dichloropropene
Concen: 44.663 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 135961
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

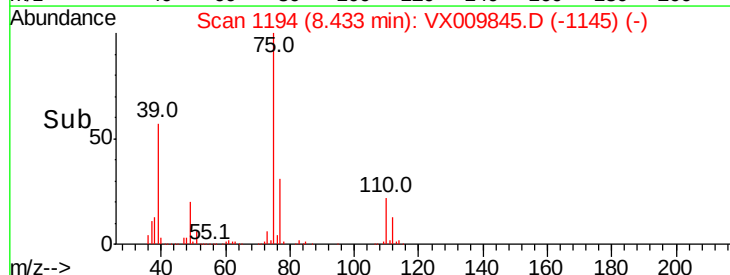
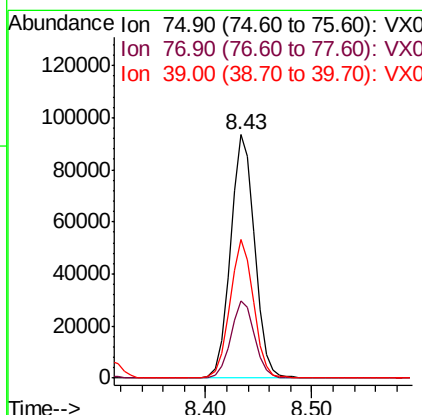
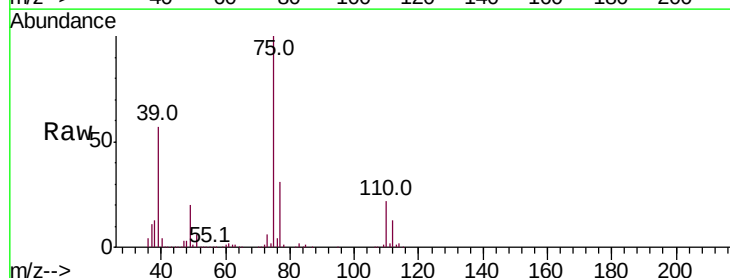
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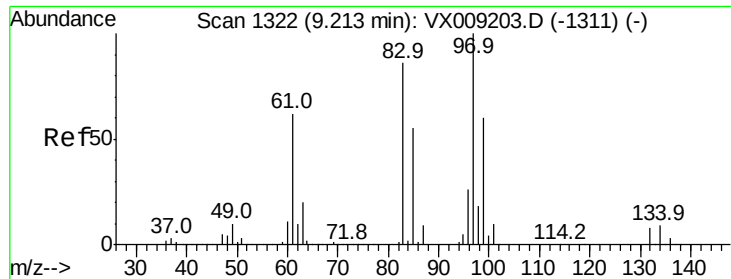
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 44.065 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion: 75 Resp: 148473
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 57.1 40.6 60.8





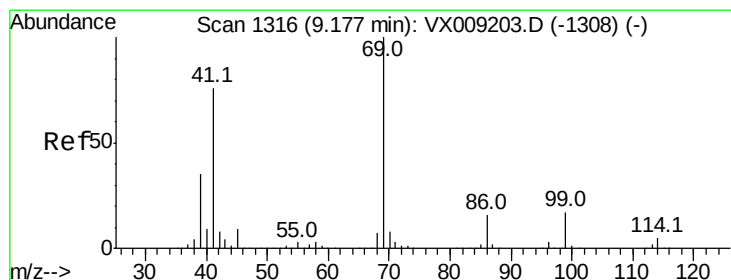
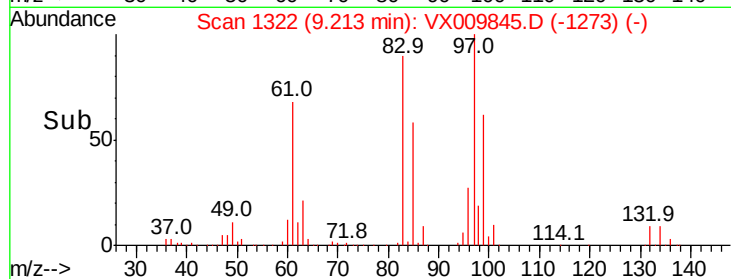
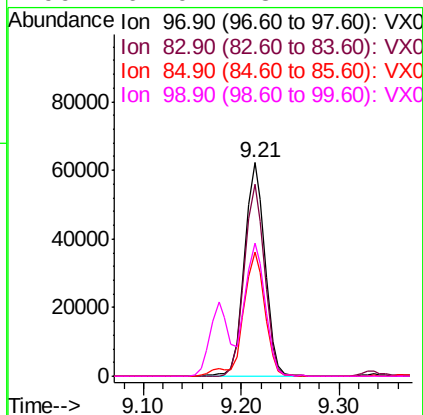
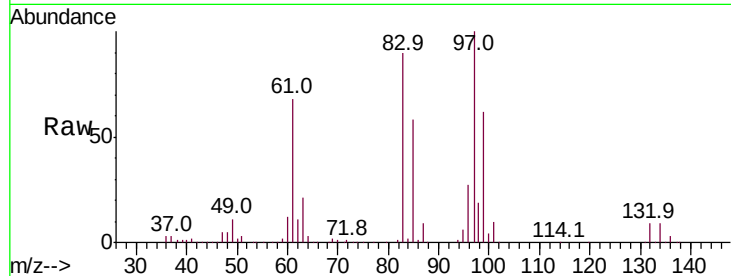
#55
 1,1,2-Trichloroethane
 Concen: 44.547 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		90814		
83	89.7	68.9	103.3		
85	58.1	43.8	65.6		
99	62.0	48.2	72.2		

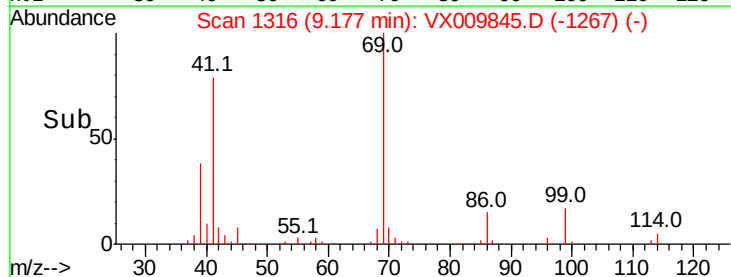
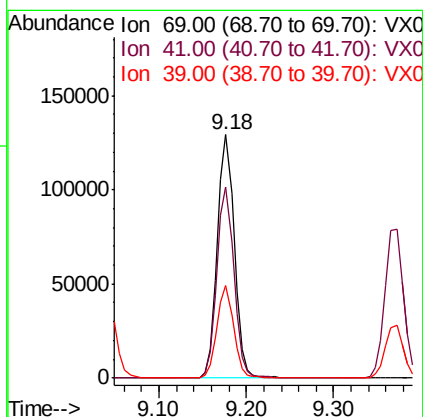
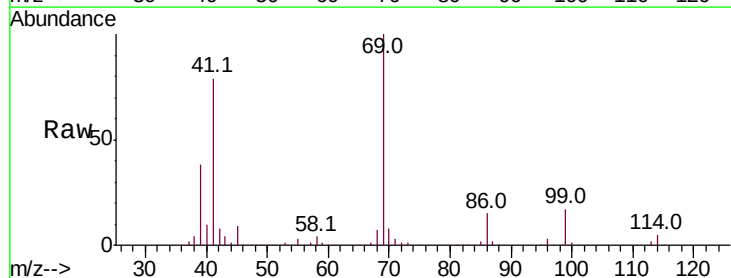
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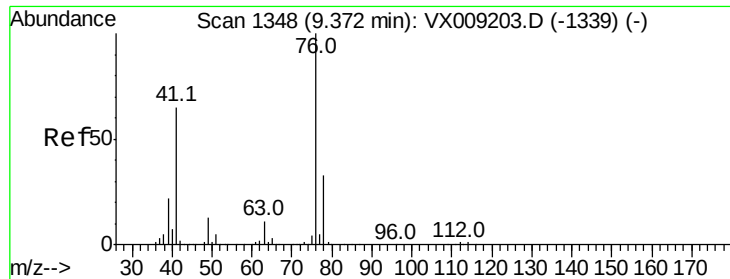
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 5/23/2019 10:39:04 AM



#56
 Ethyl methacrylate
 Concen: 47.830 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174053		
41	78.7	60.6	90.8		
39	37.2	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 45.675 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 163855

Ion Ratio Lower Upper

76 100

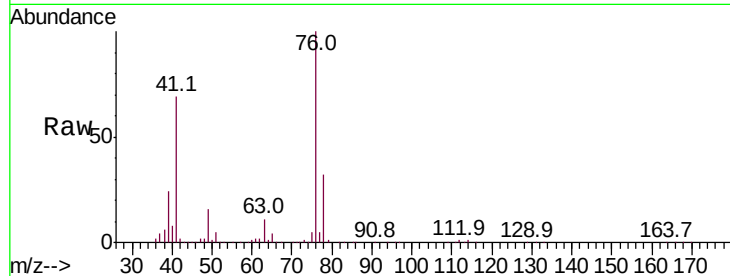
78 32.1 25.5 38.3

Manual Integrations

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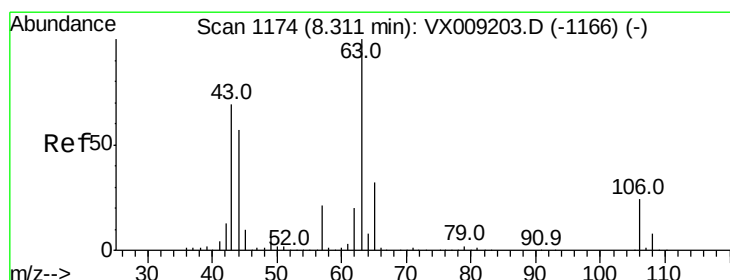
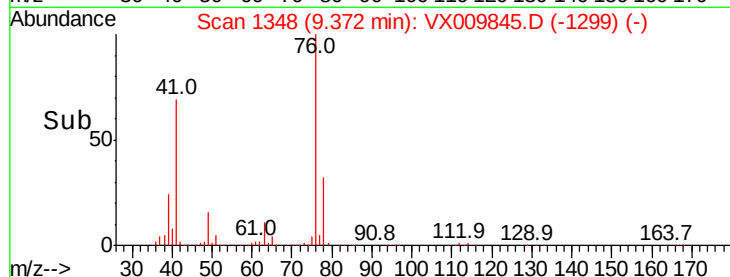
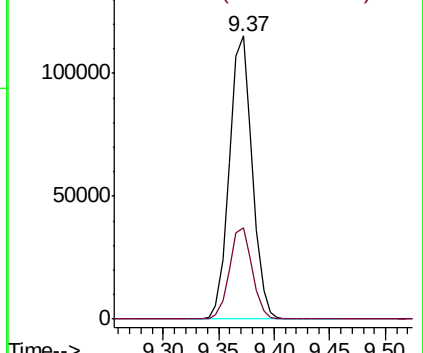
MMDadoda

5/23/2019 10:39:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 238.373 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009845.D

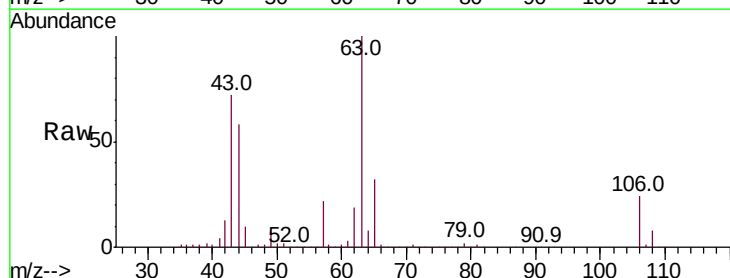
Acq: 23 May 2019 08:18

Tgt Ion: 63 Resp: 460177

Ion Ratio Lower Upper

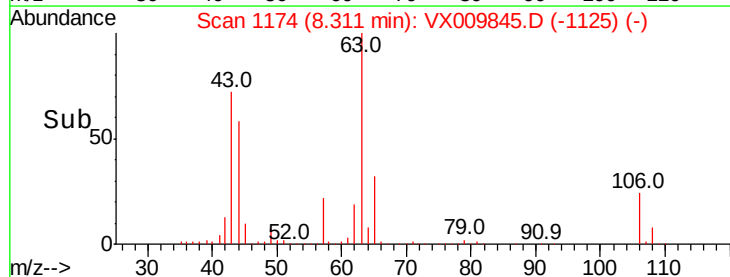
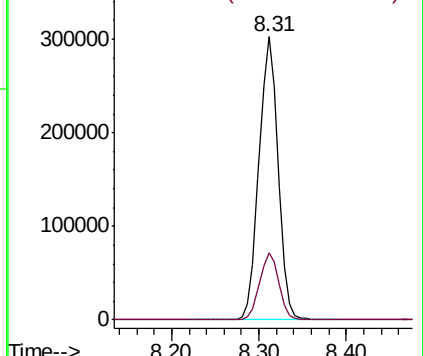
63 100

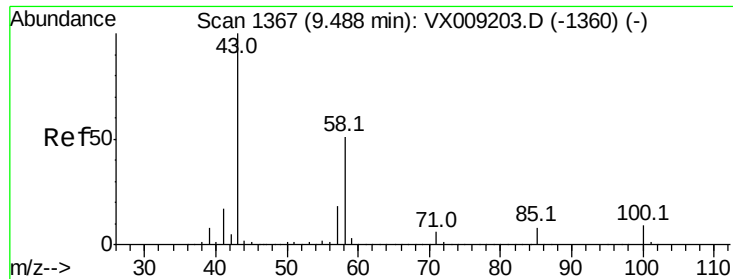
106 24.2 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





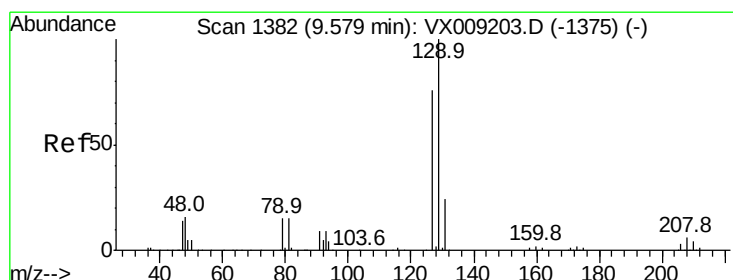
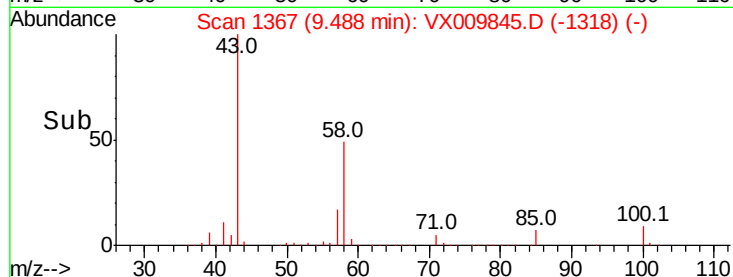
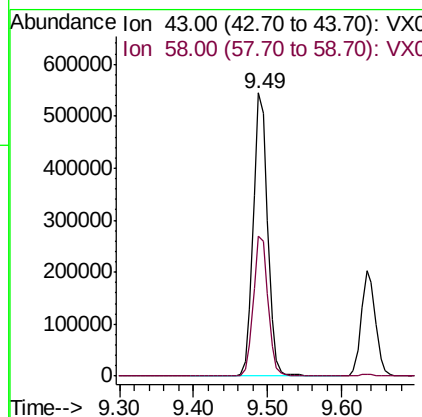
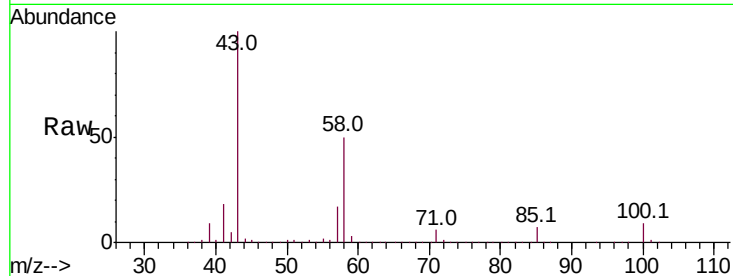
#59
2-Hexanone
Concen: 243.681 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 740504
Ion Ratio Lower Upper
43 100
58 50.5 25.9 77.7

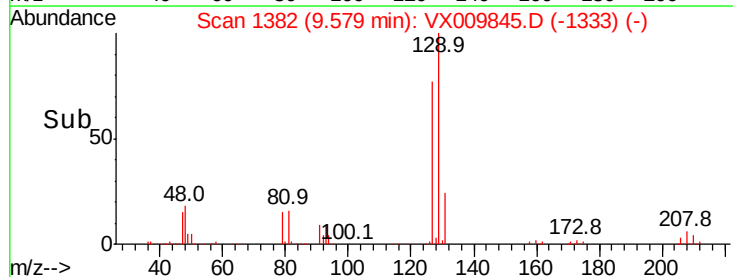
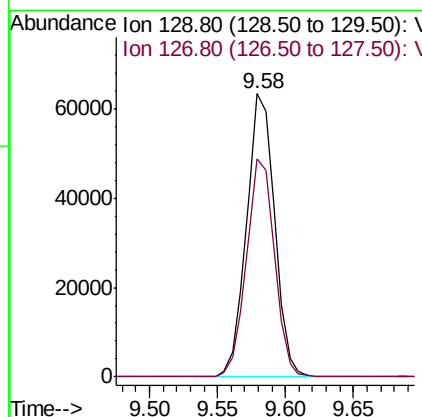
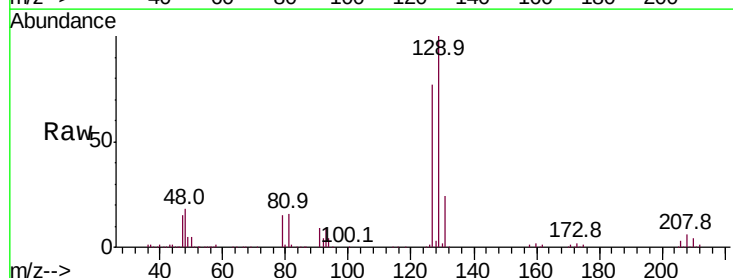
Manual Integrations
APPROVED

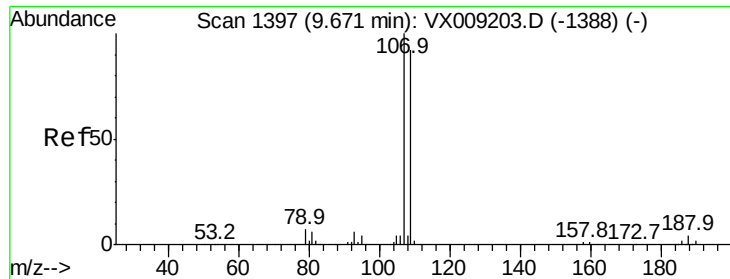
MMDadoda
5/23/2019 10:39:04 AM



#60
Dibromochloromethane
Concen: 46.227 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion: 129 Resp: 92042
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





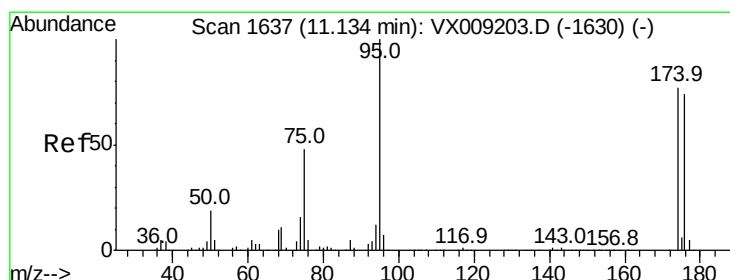
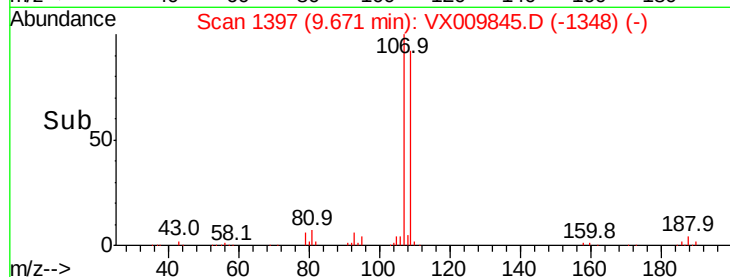
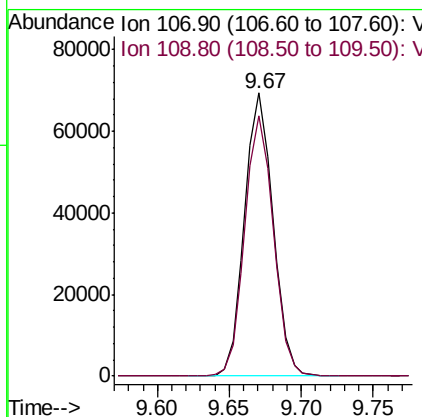
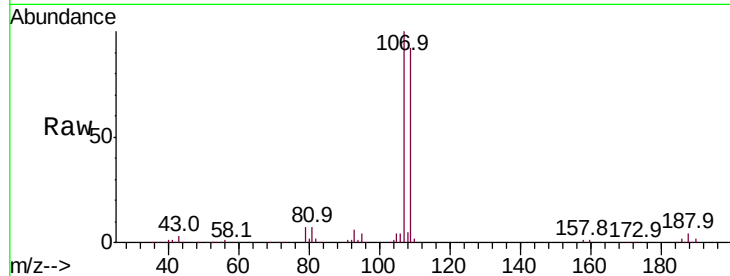
#61
 1,2-Dibromoethane
 Concen: 46.235 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.2	112.8

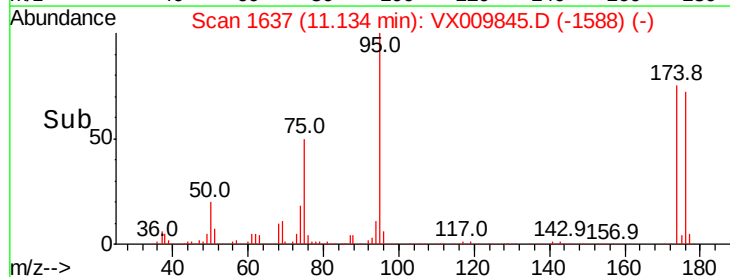
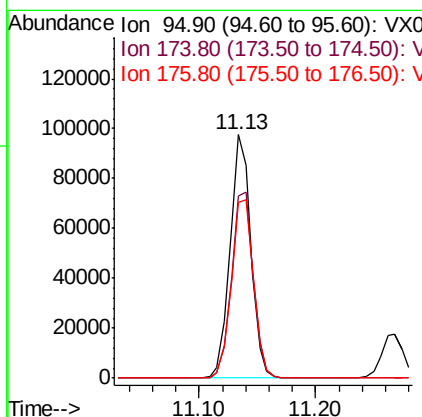
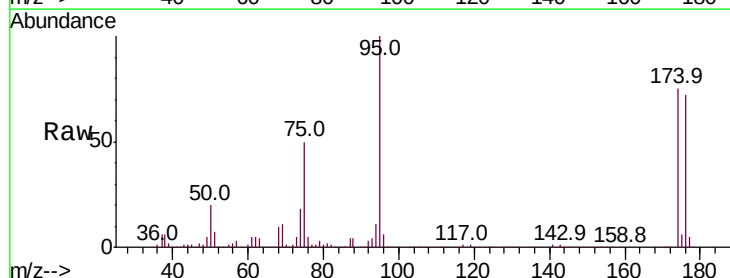
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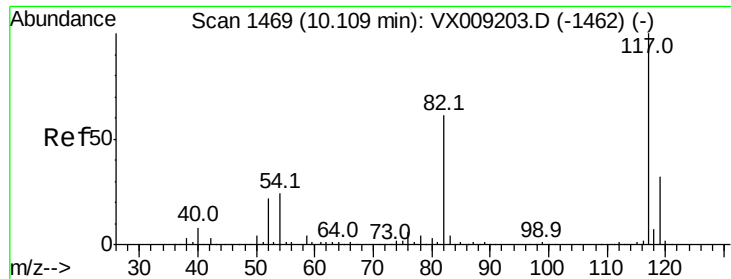
MMDadoda
 5/23/2019 10:39:04 AM



#62
 4-Bromofluorobenzene
 Concen: 45.893 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.6
176	78.5	0.0	159.2





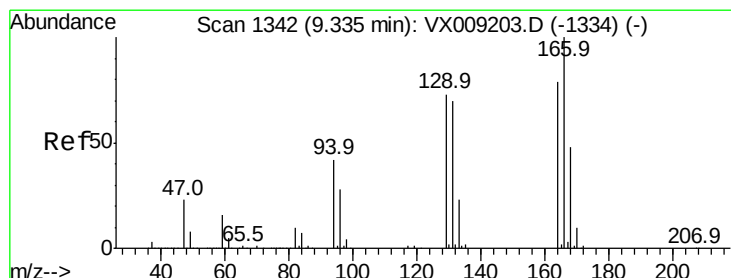
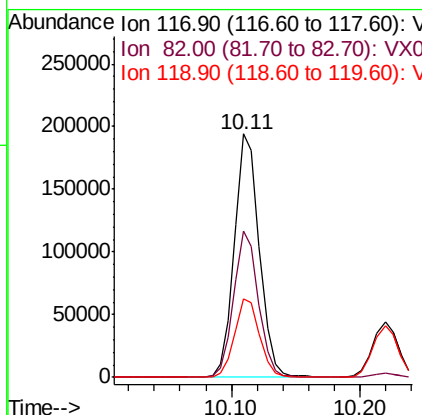
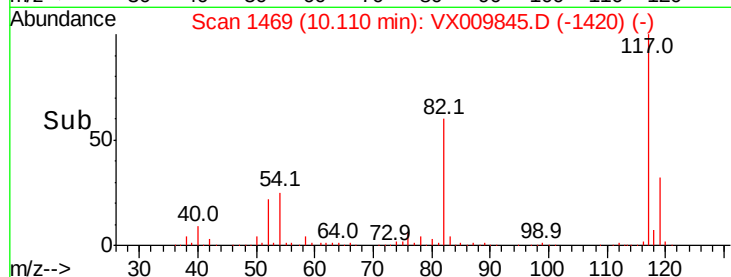
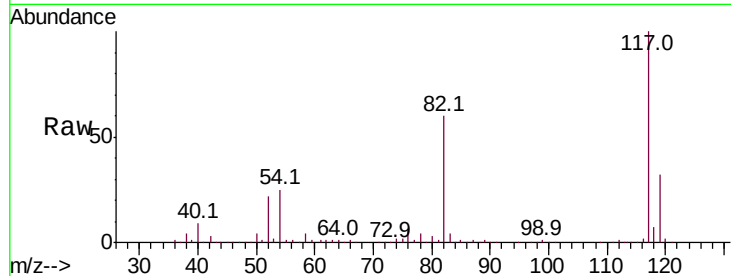
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion:	117	Resp:	262052
Ion Ratio	Lower	Upper	
117	100		
82	60.1	48.8	73.2
119	32.3	25.8	38.6

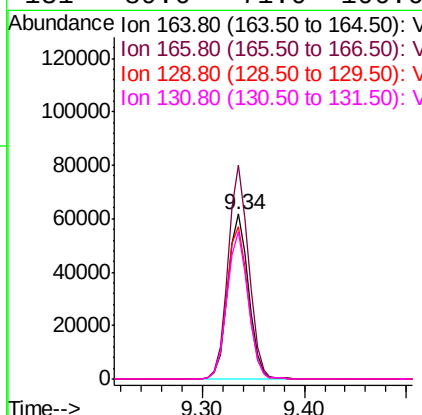
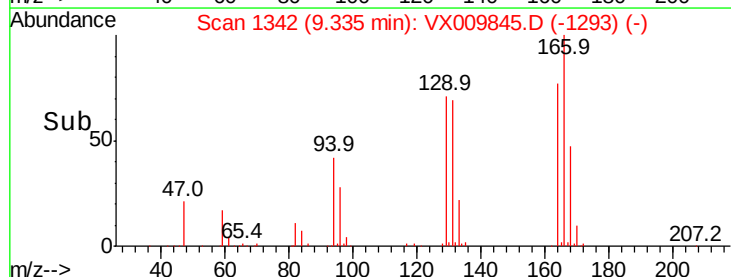
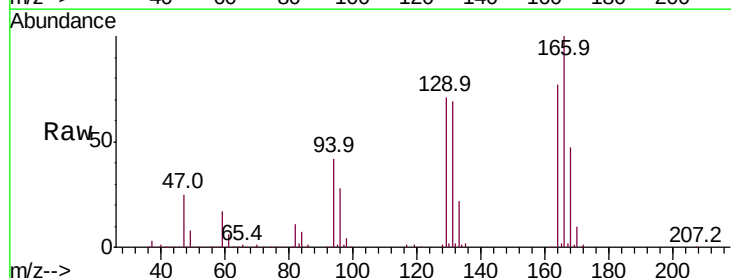
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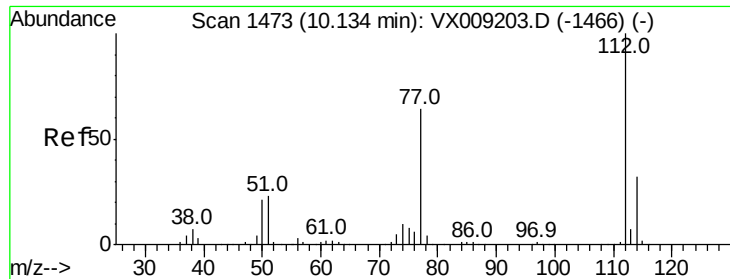
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#64
Tetrachloroethene
Concen: 48.138 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion:	164	Resp:	86531
Ion Ratio	Lower	Upper	
164	100		
166	129.7	101.2	151.8
129	92.4	74.3	111.5
131	89.6	71.0	106.6





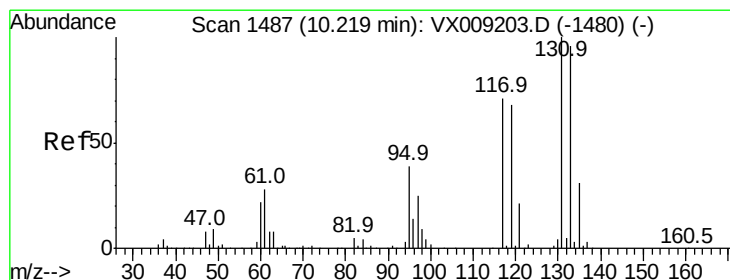
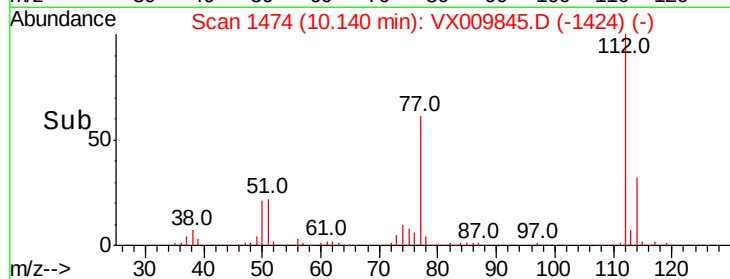
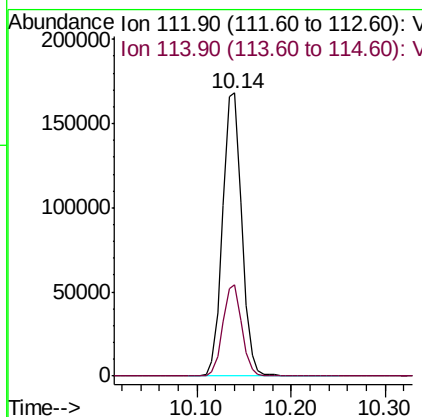
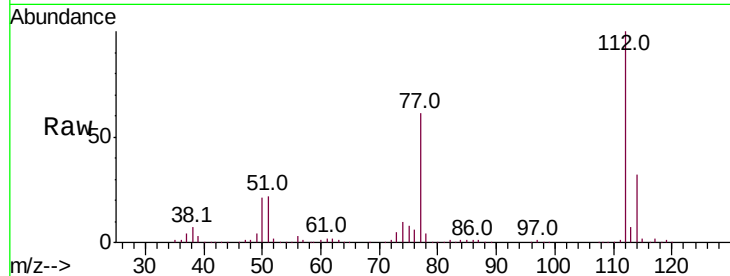
#65
Chlorobenzene
Concen: 45.384 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 237915
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

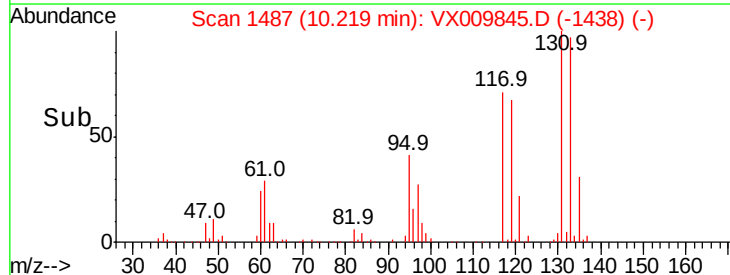
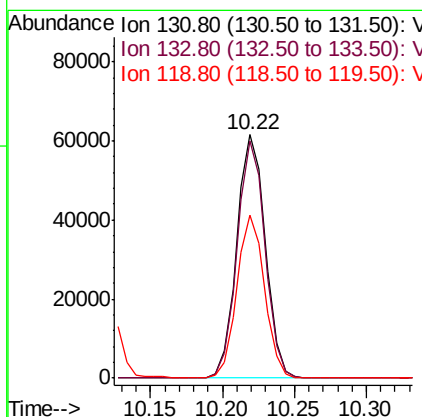
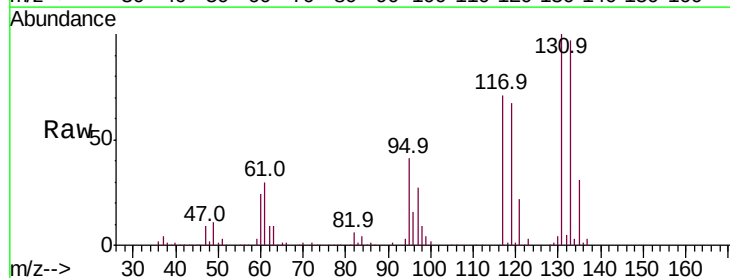
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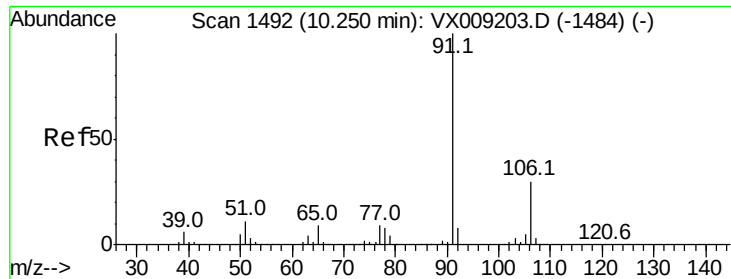
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.575 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion:131 Resp: 84715
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 65.4 33.5 100.4





#67

Ethyl Benzene

Concen: 46.157 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 445306

Ion Ratio Lower Upper

91 100

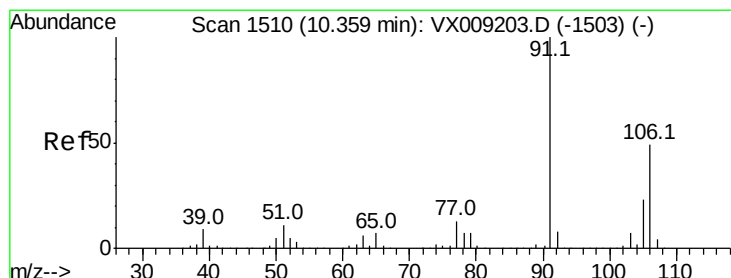
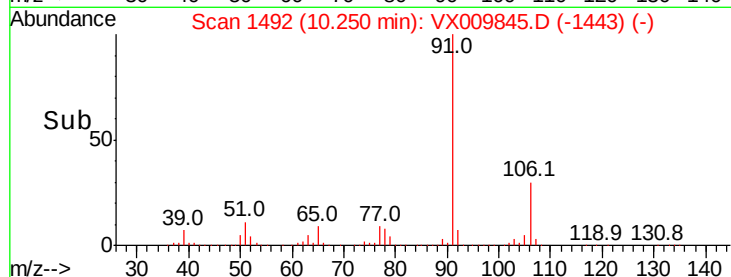
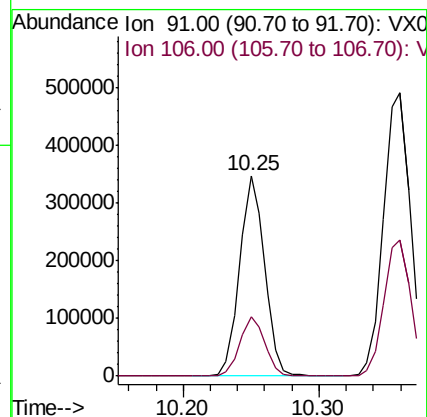
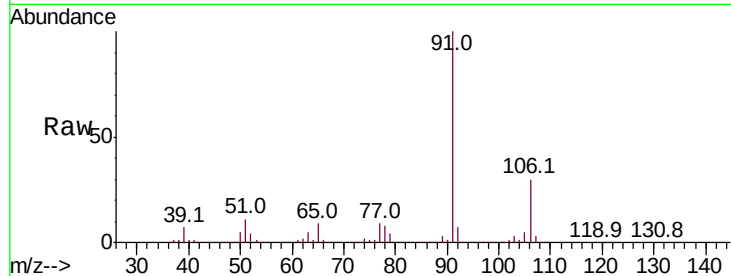
106 29.9 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 92.441 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009845.D

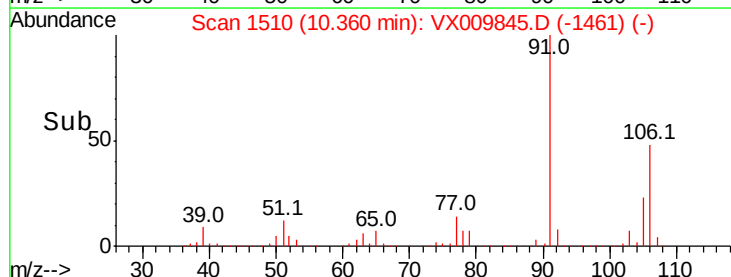
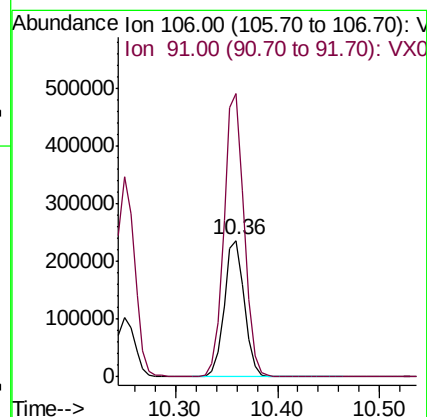
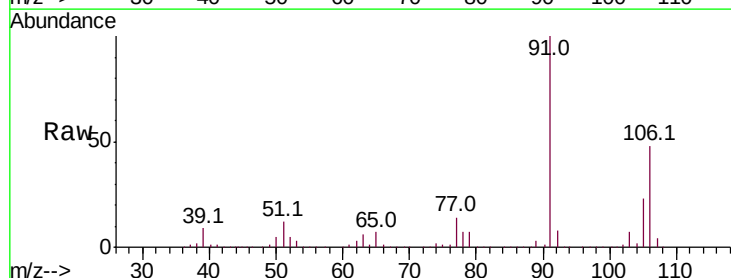
Acq: 23 May 2019 08:18

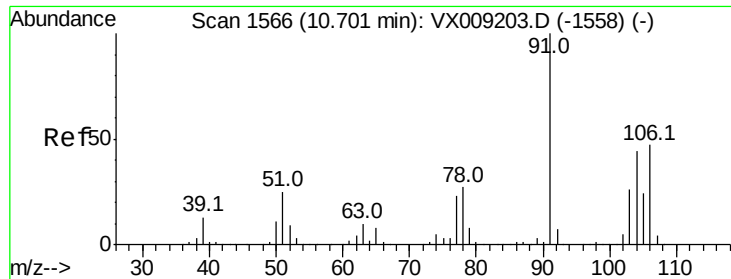
Tgt Ion: 106 Resp: 325908

Ion Ratio Lower Upper

106 100

91 208.9 164.0 246.0





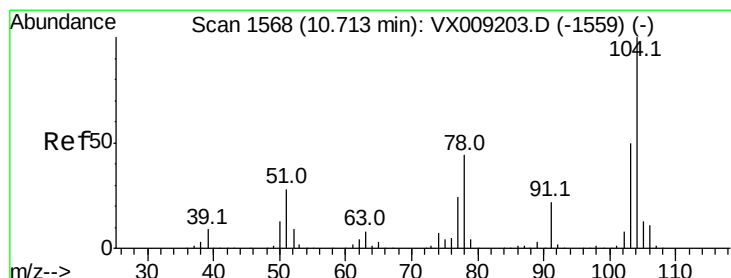
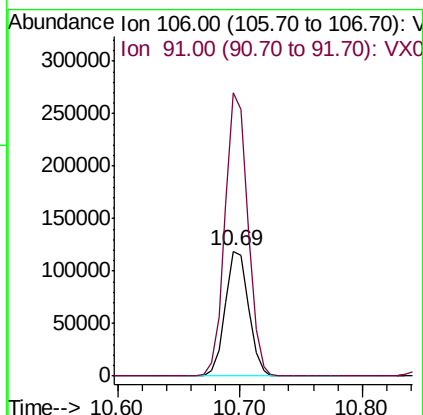
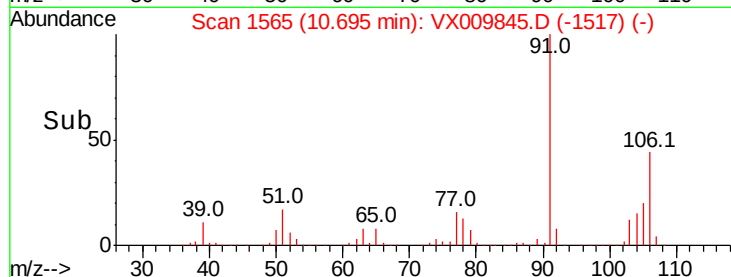
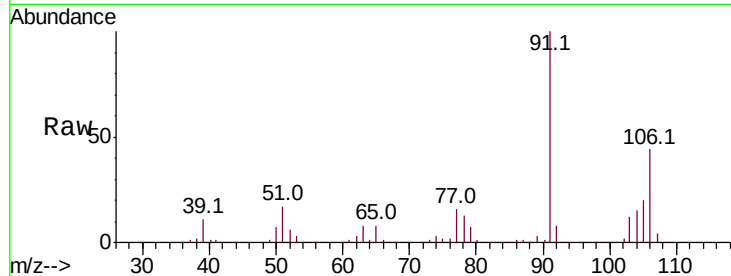
#69
o-Xylene
Concen: 45.131 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 156988
Ion Ratio Lower Upper
106 100
91 222.4 109.5 328.4

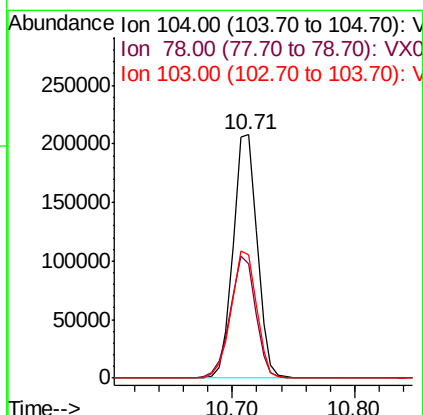
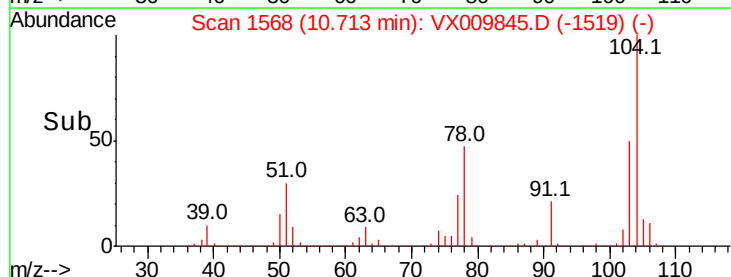
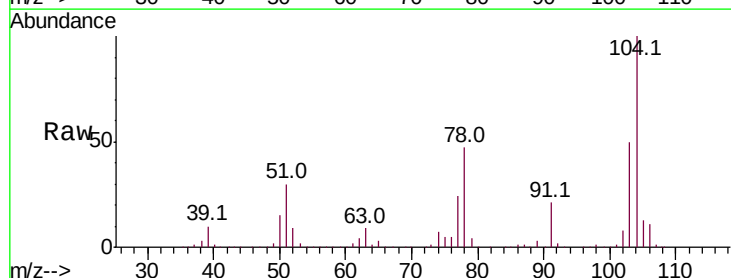
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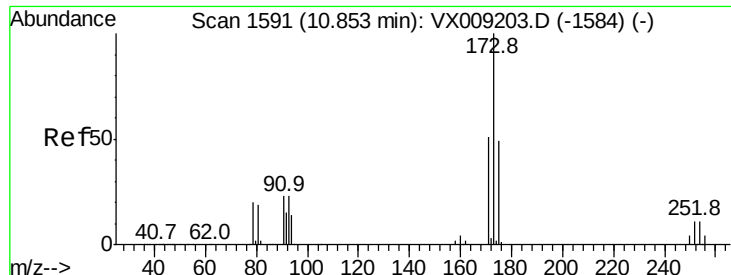
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#70
Styrene
Concen: 46.460 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion:104 Resp: 280889
Ion Ratio Lower Upper
104 100
78 53.3 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 45.918 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 70919

Ion Ratio Lower Upper

173 100

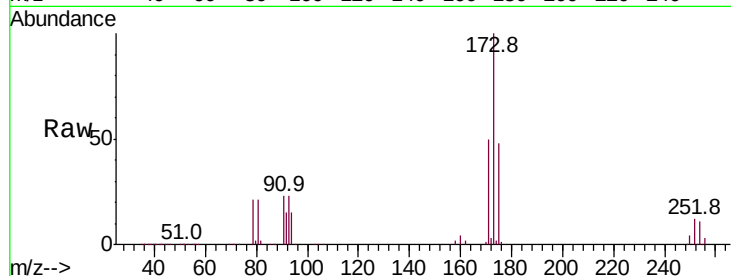
175 48.5 24.5 73.5

254 0.2 0.1 0.1#

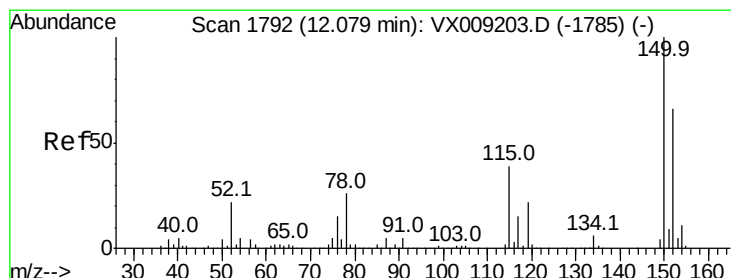
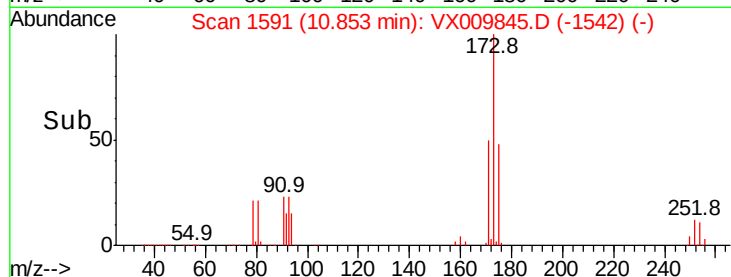
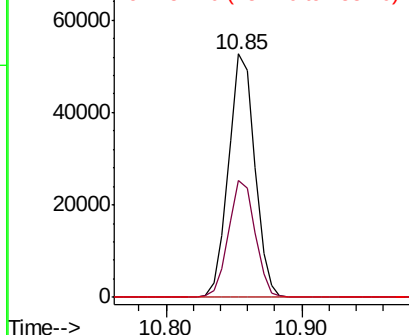
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

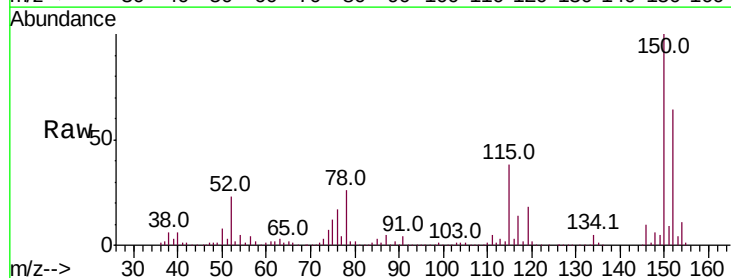
Tgt Ion:152 Resp: 135683

Ion Ratio Lower Upper

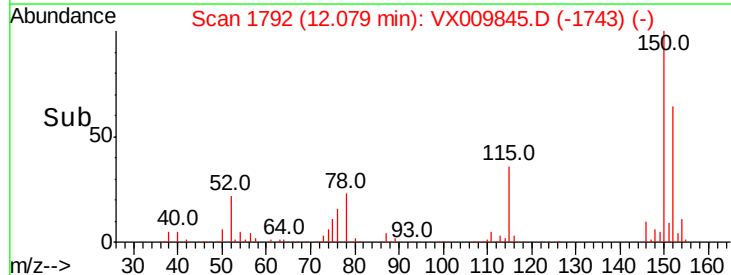
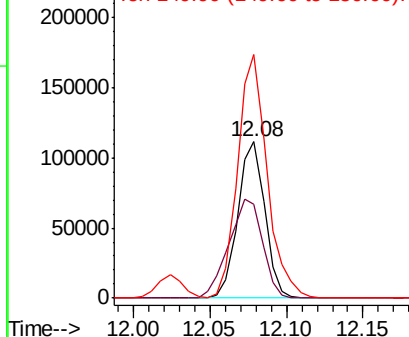
152 100

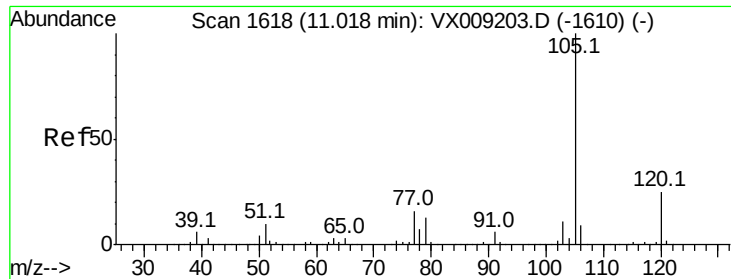
115 79.3 41.2 123.6

150 170.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





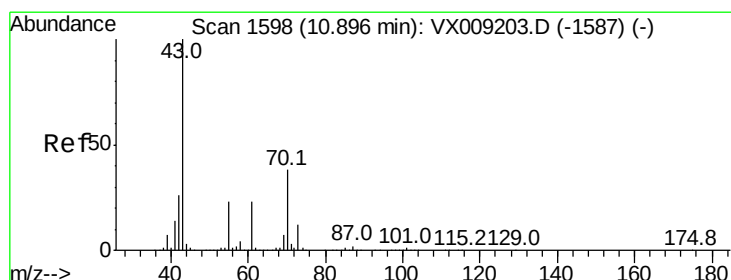
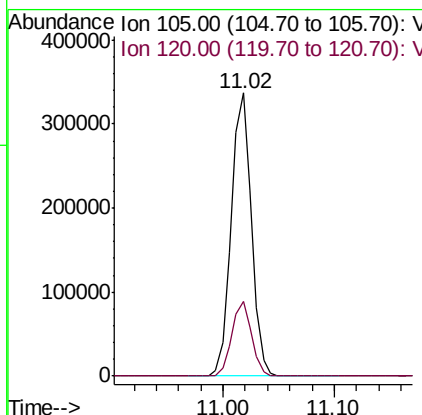
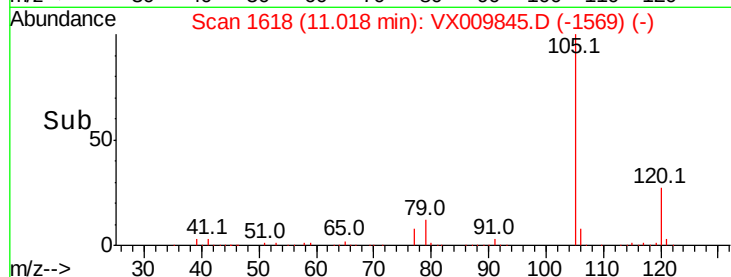
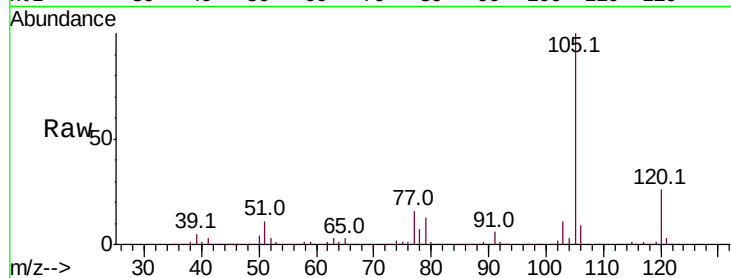
#73
Isopropylbenzene
Concen: 42.559 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 419918
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.3

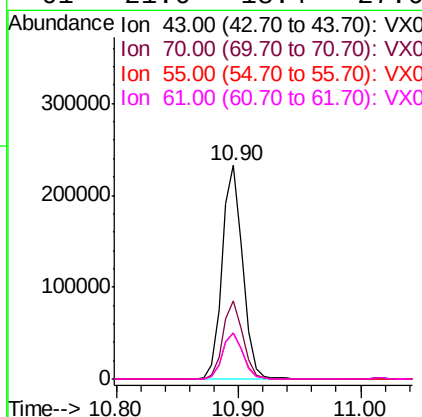
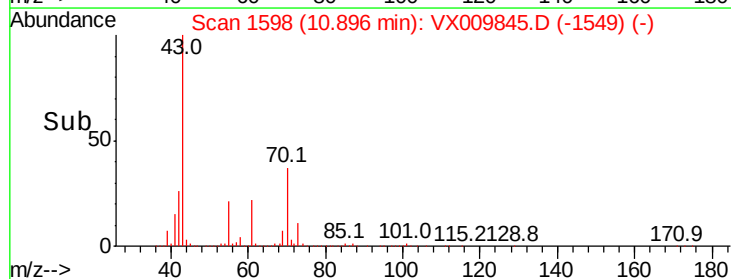
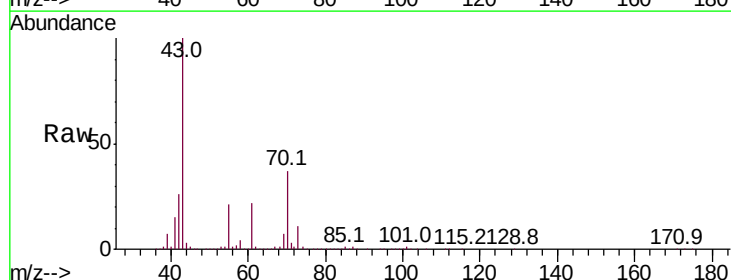
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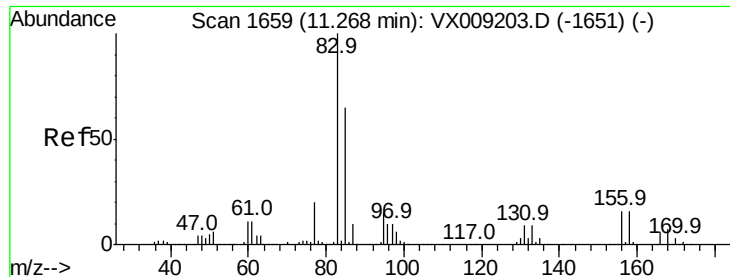
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#74
N-ethyl acetate
Concen: 46.731 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion: 43 Resp: 268817
Ion Ratio Lower Upper
43 100
70 35.9 30.0 45.0
55 22.0 17.9 26.9
61 21.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.179 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

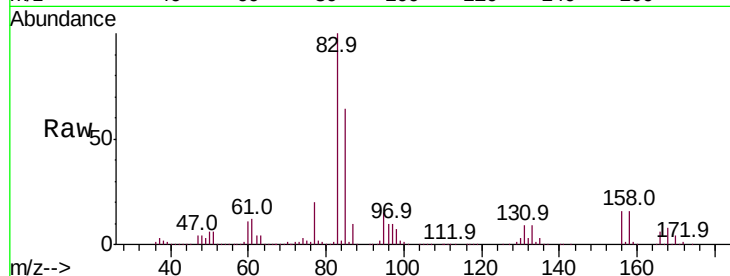
ClientSampleId :

VSTDCCC050EC

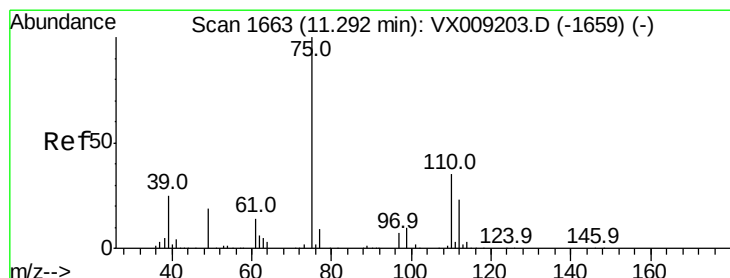
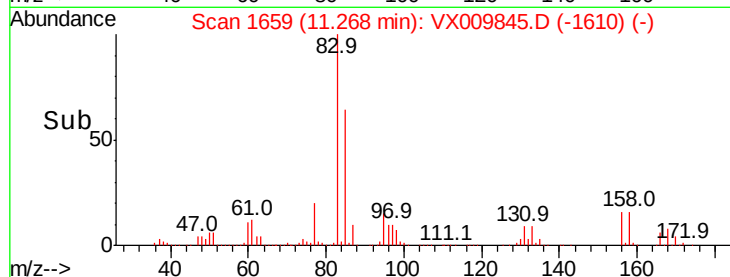
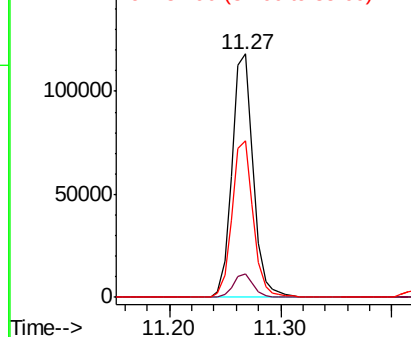
Tot Ion:	83	Resp:	155142
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	64.2	32.0	96.2

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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: 43.035 ug/l m

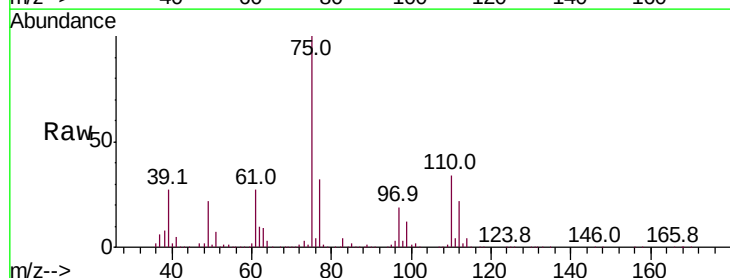
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

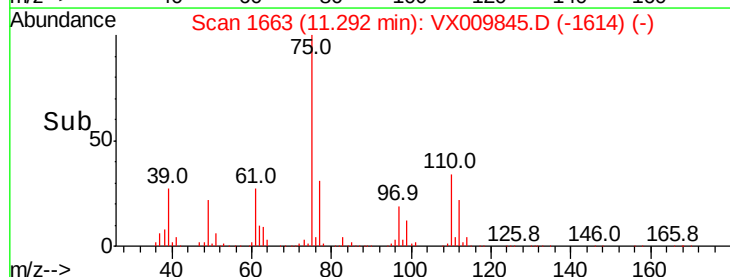
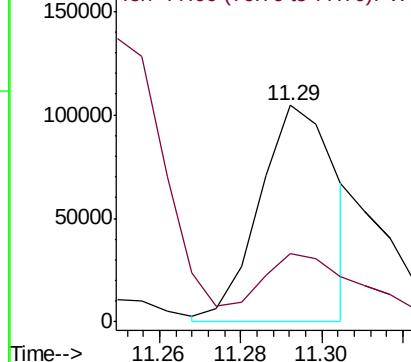
Lab File: VX009845.D

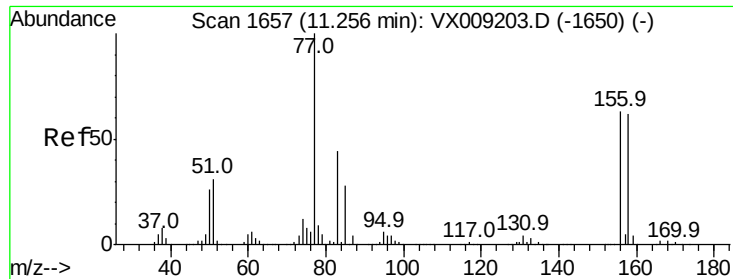
Acq: 23 May 2019 08:18

Tgt Ion:	75	Resp:	135445
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 43.178 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

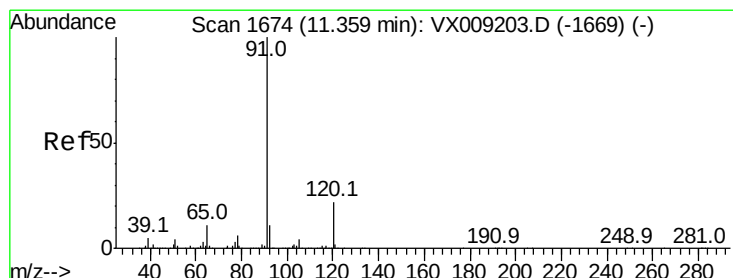
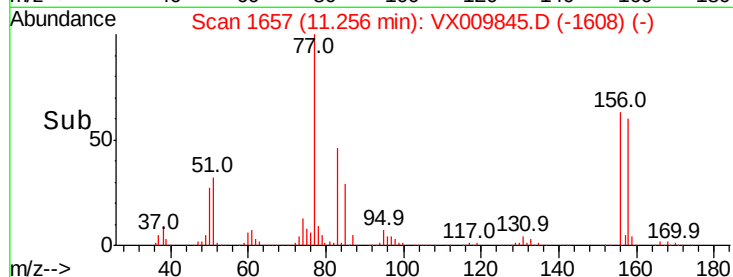
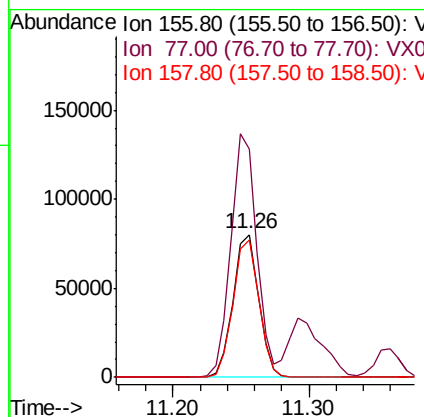
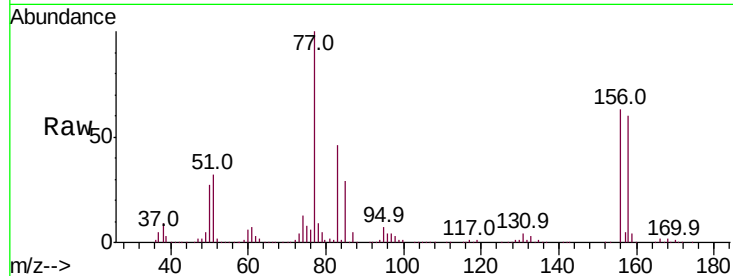
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	105740
Ion Ratio	Lower	Upper	
156	100		
77	170.4	84.8	254.3
158	96.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 44.381 ug/l

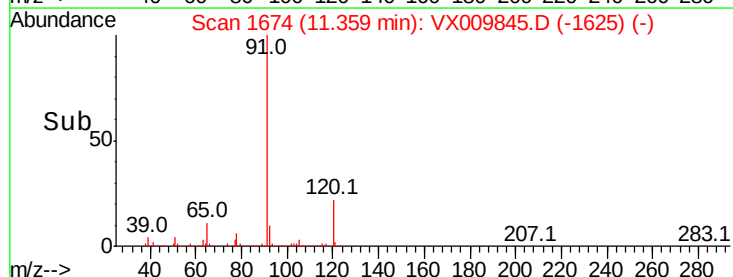
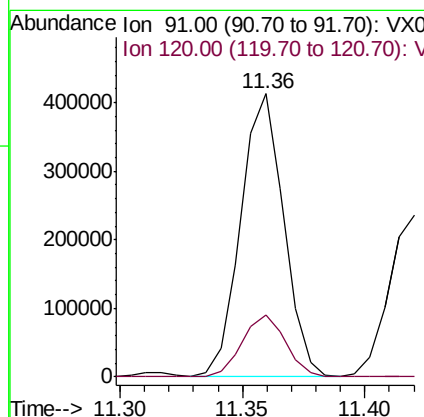
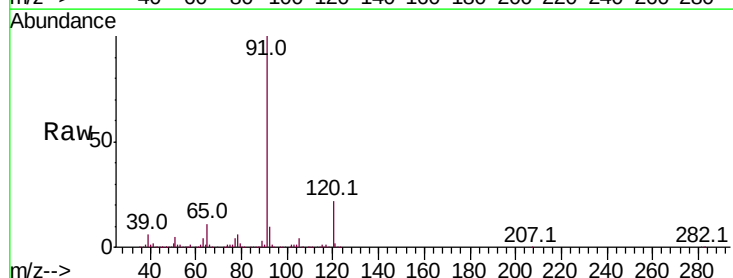
RT: 11.36 min Scan# 1674

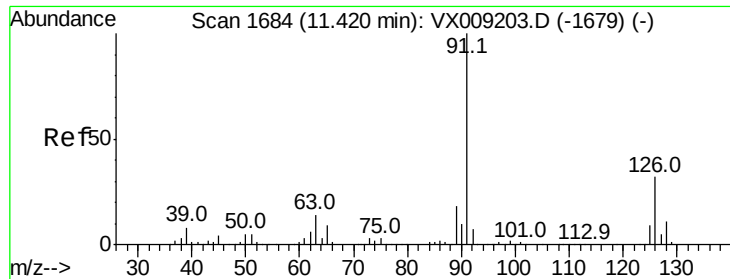
Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Tgt Ion:	91	Resp:	500093
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 42.295 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 294034

Ion Ratio Lower Upper

91 100

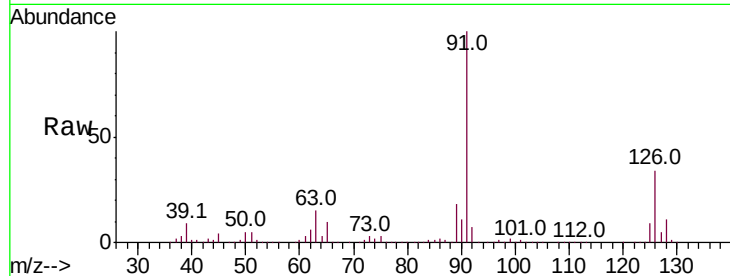
126 32.6 16.3 48.9

Manual Integrations

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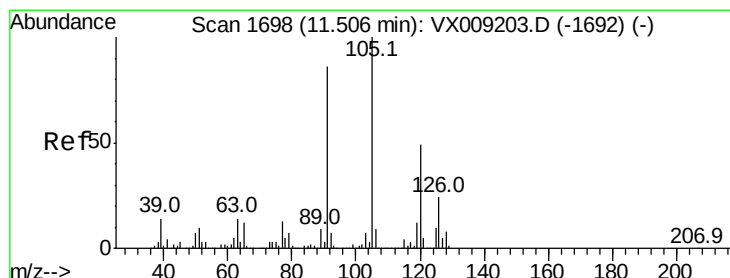
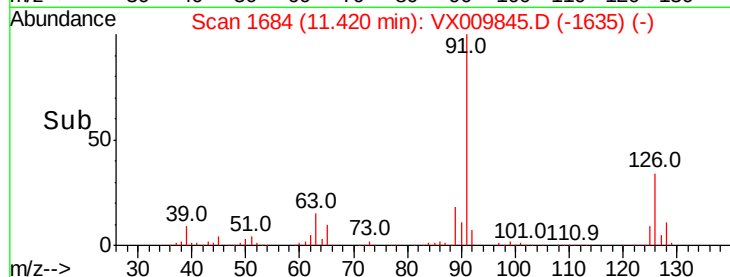
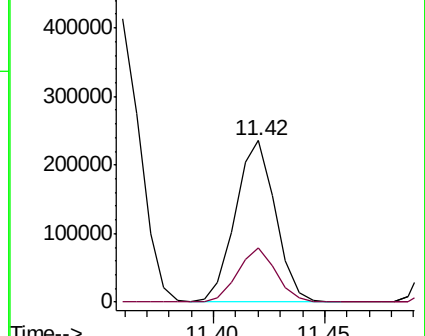
MMDadoda

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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: 43.325 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009845.D

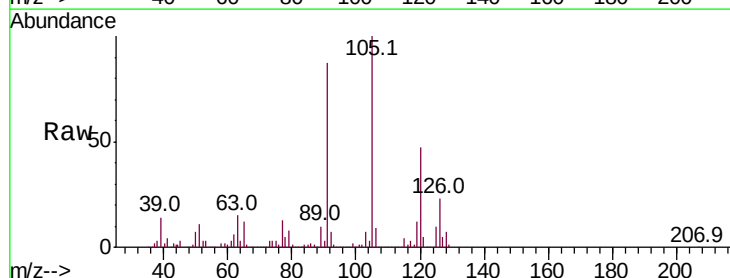
Acq: 23 May 2019 08:18

Tgt Ion: 105 Resp: 359932

Ion Ratio Lower Upper

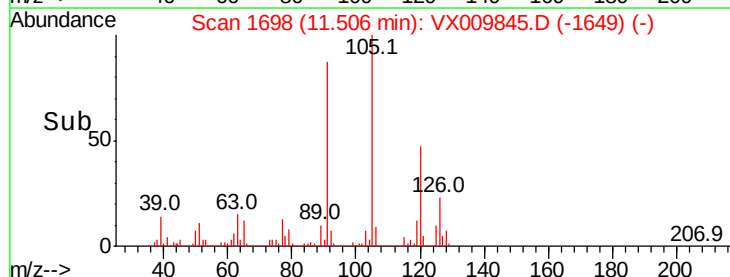
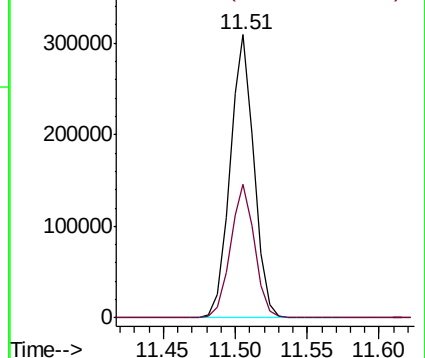
105 100

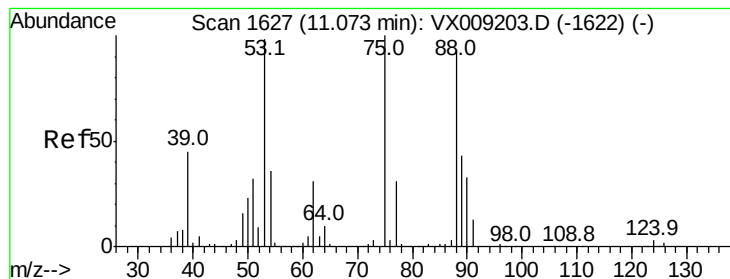
120 47.4 24.3 72.9



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: 37.350 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 45944

Ion Ratio Lower Upper

75 100

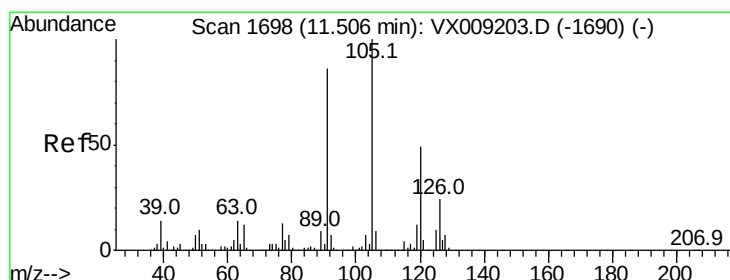
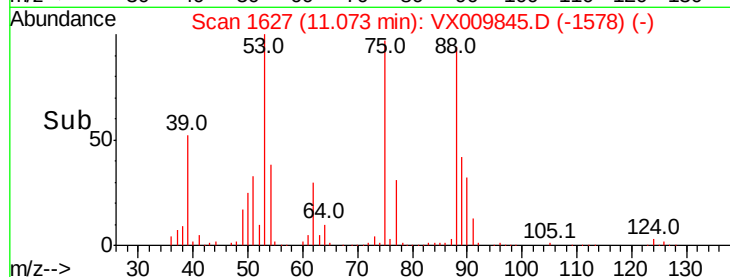
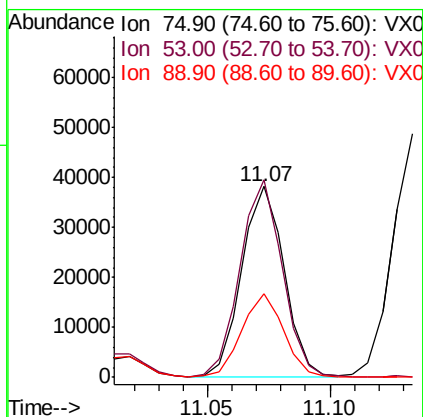
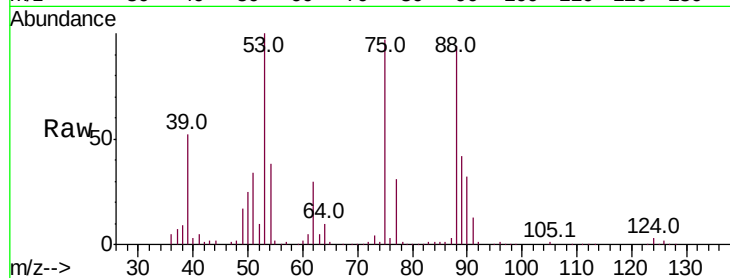
53 103.2 79.0 118.6

89 43.5 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 44.078 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009845.D

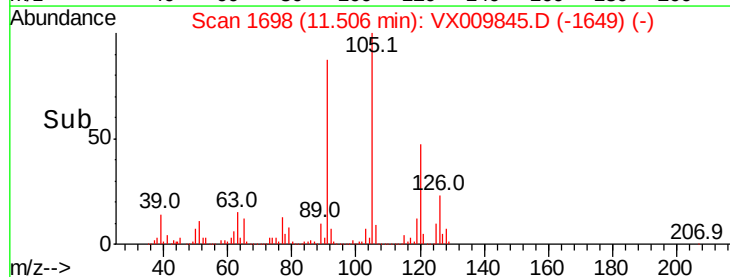
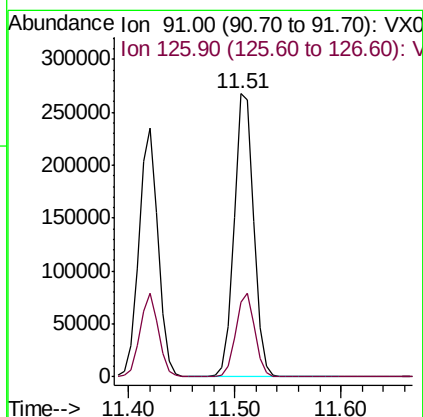
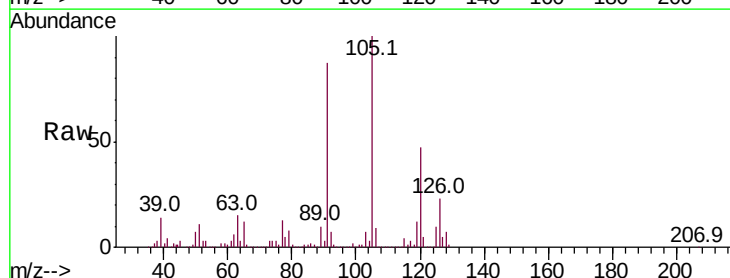
Acq: 23 May 2019 08:18

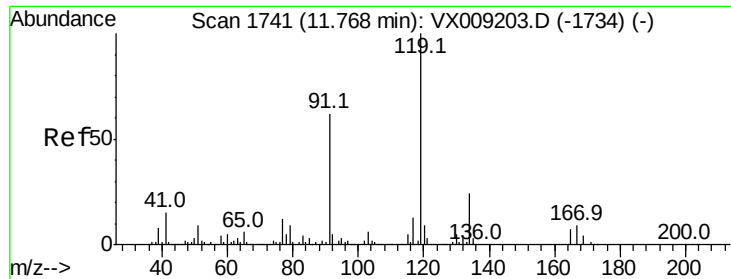
Tgt Ion: 91 Resp: 346177

Ion Ratio Lower Upper

91 100

126 28.6 14.5 43.6





#83

tert-Butylbenzene

Concen: 42.022 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

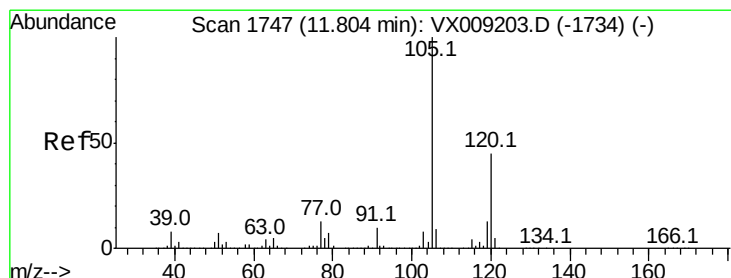
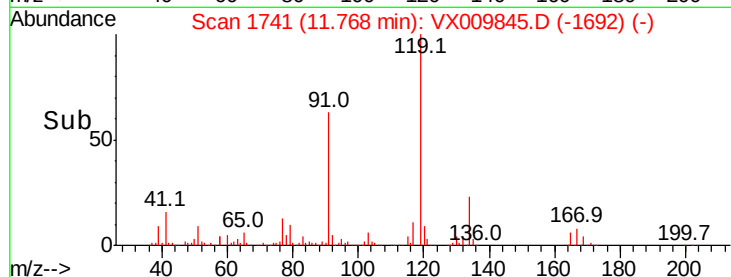
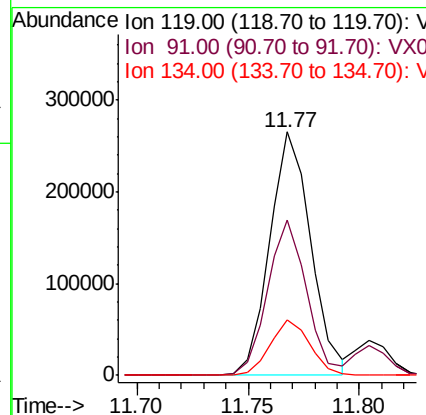
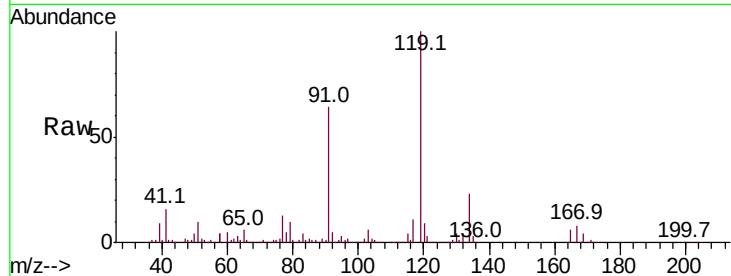
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	339615
Ion Ratio	Lower	Upper	
119	100		
91	60.7	29.5	88.5
134	22.1	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 44.375 ug/l

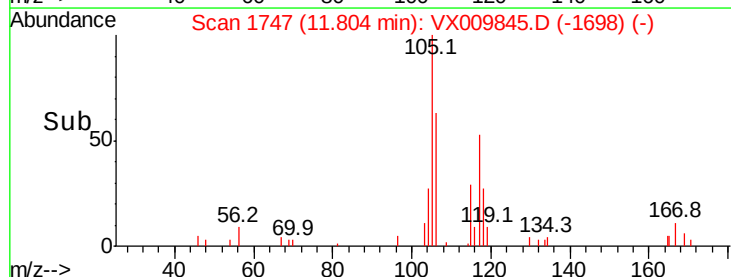
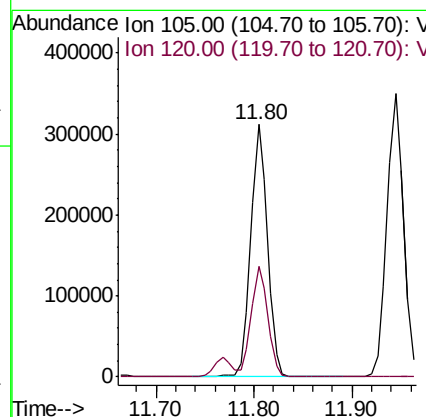
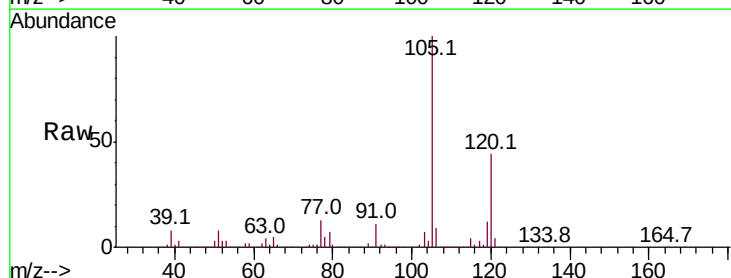
RT: 11.80 min Scan# 1747

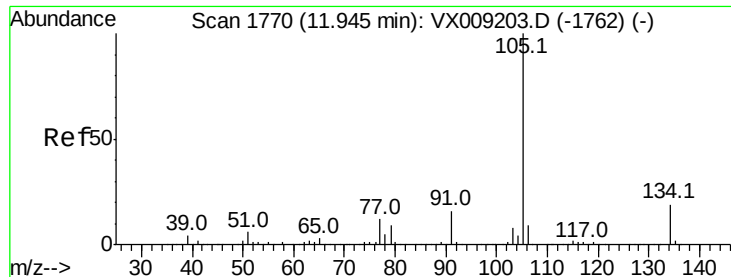
Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Tgt Ion:	105	Resp:	370043
Ion Ratio	Lower	Upper	
105	100		
120	43.1	22.0	66.0





#85

sec-Butylbenzene

Concen: 43.216 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 414072

Ion Ratio Lower Upper

105 100

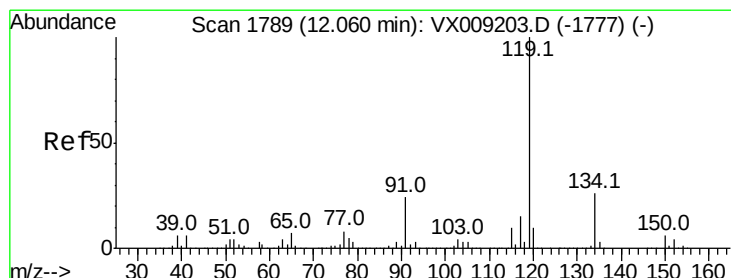
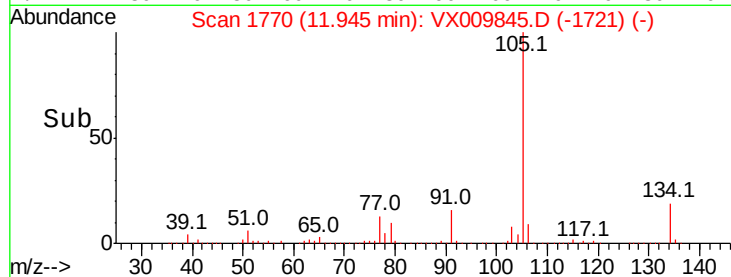
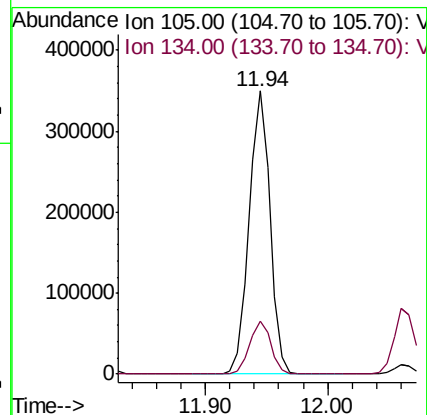
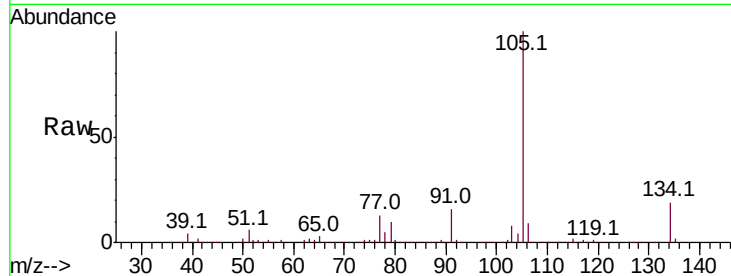
134 19.1 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 43.584 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009845.D

Acq: 23 May 2019 08:18

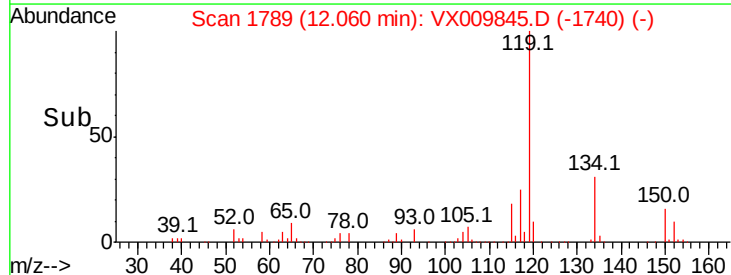
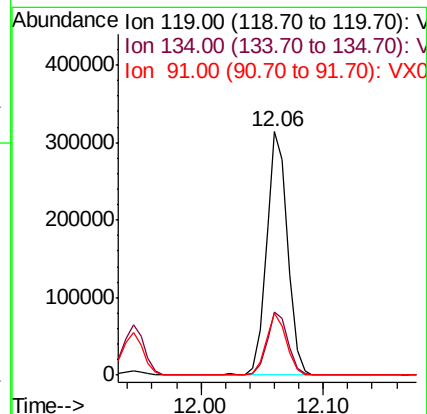
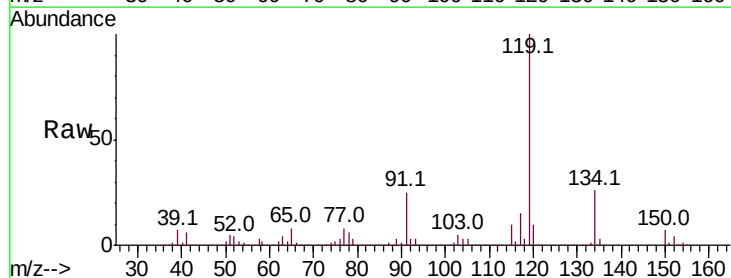
Tgt Ion:119 Resp: 375426

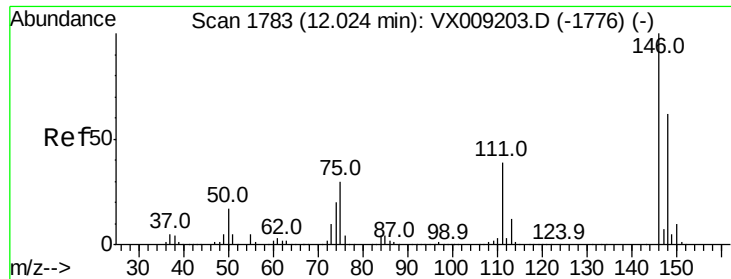
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.4 11.8 35.4





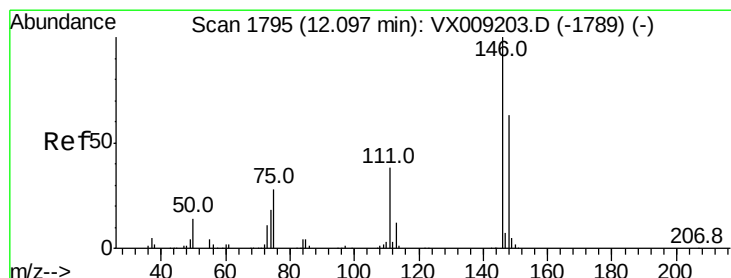
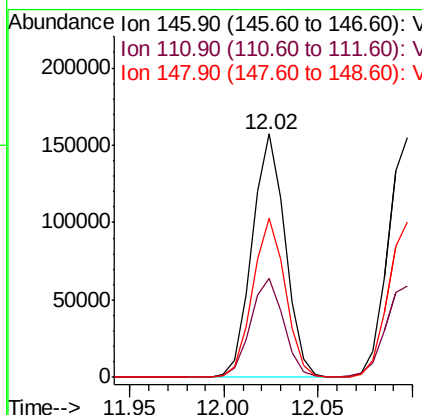
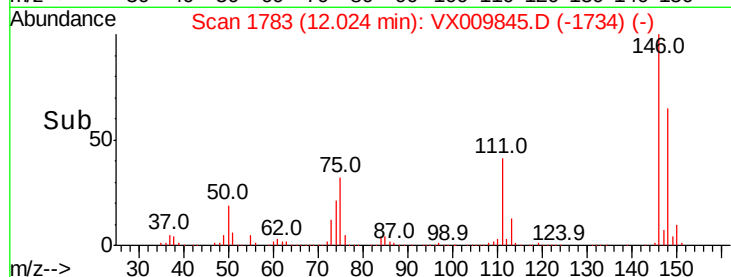
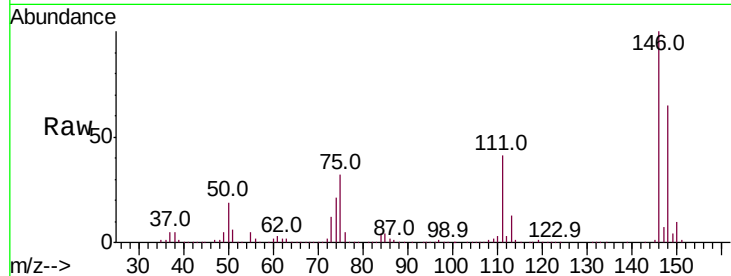
#87
 1,3-Dichlorobenzene
 Concen: 43.759 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.5	31.8	95.3

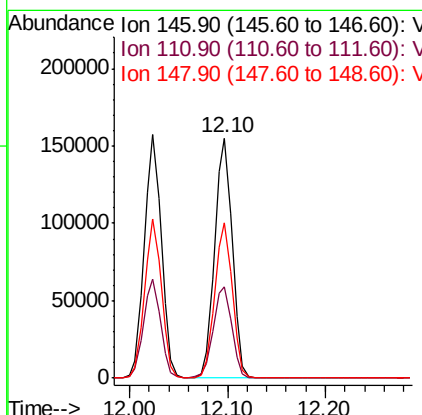
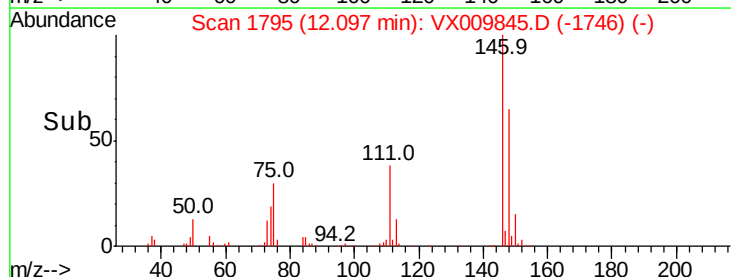
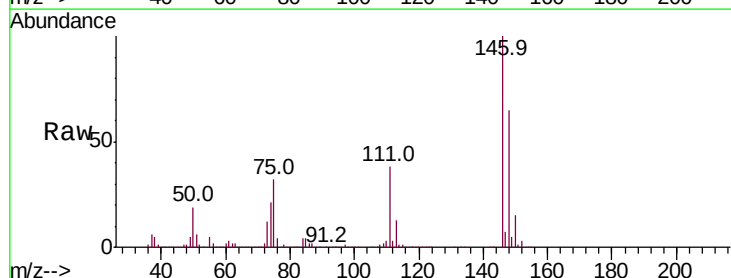
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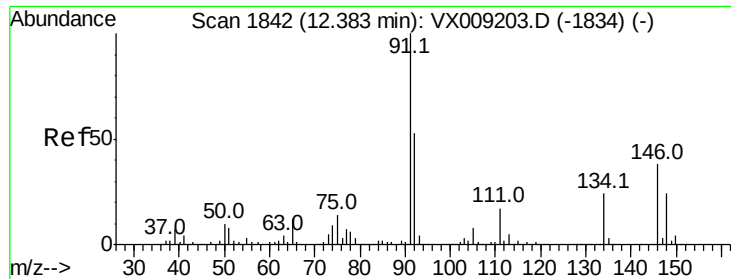
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#88
 1,4-Dichlorobenzene
 Concen: 44.000 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	64.4	31.8	95.3





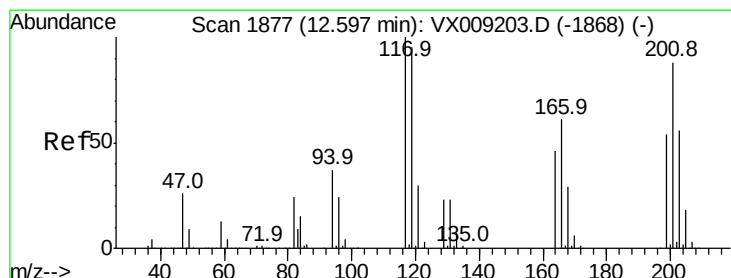
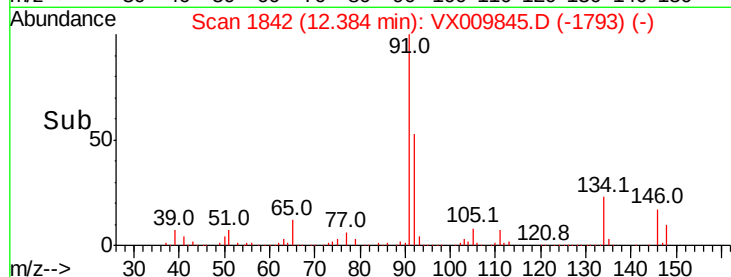
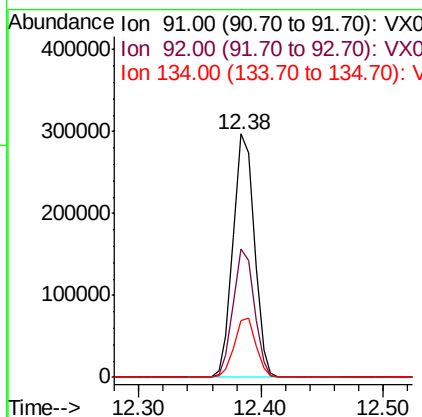
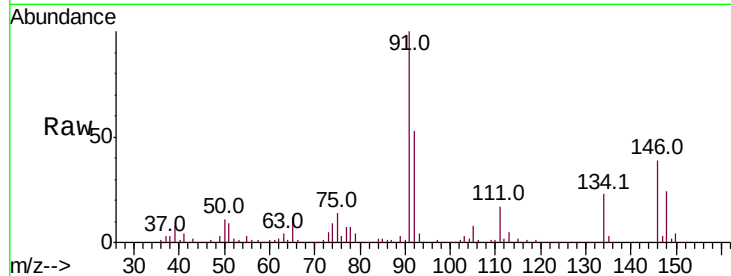
#89
n-Butylbenzene
Concen: 45.827 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	24.6	12.4	37.2

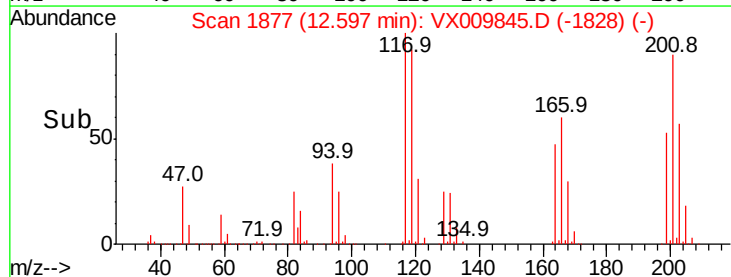
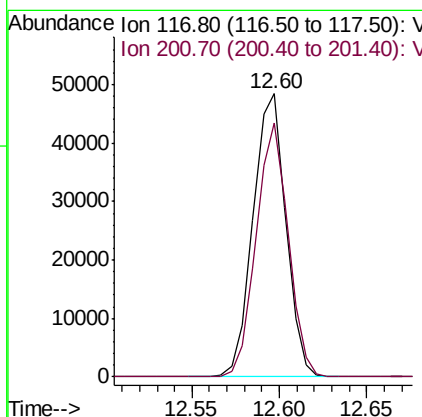
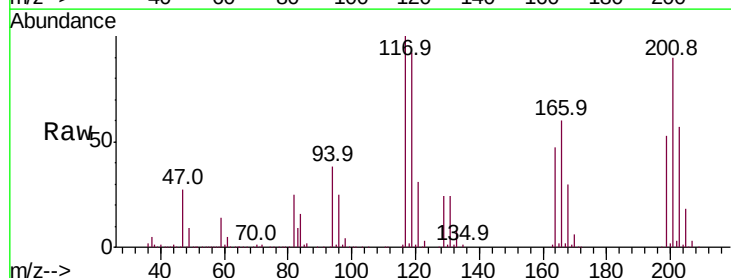
Manual Integrations
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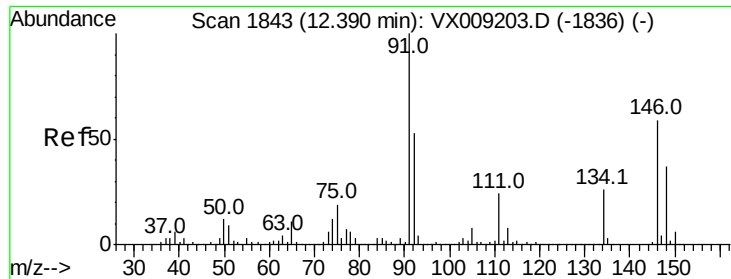
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#90
Hexachloroethane
Concen: 43.108 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	42.3	126.9





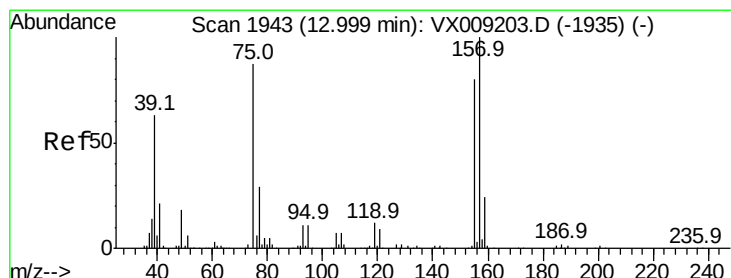
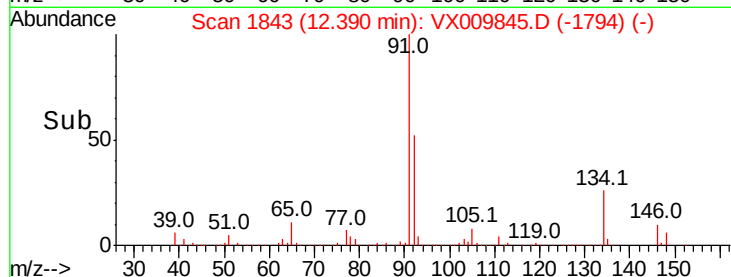
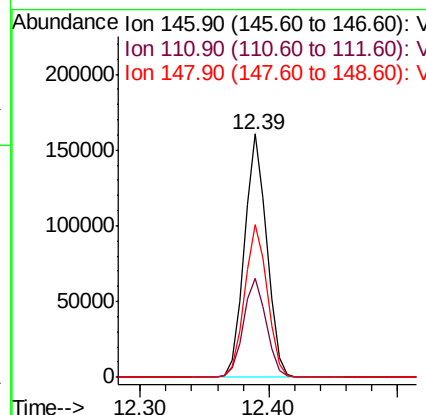
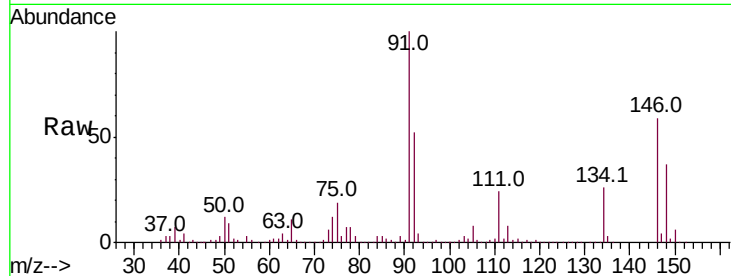
#91
 1,2-Dichlorobenzene
 Concen: 43.233 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	63.6	31.9	95.9

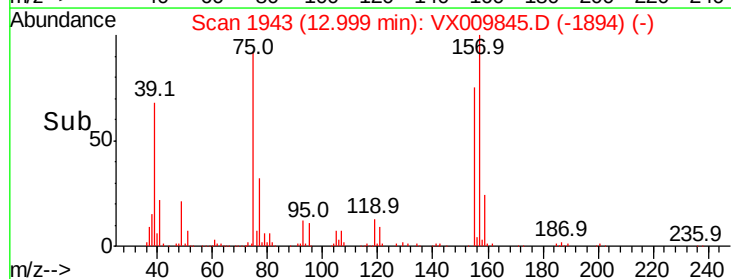
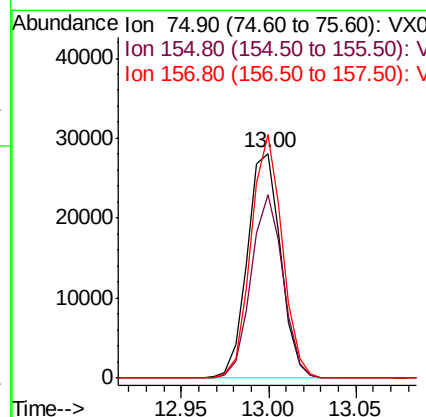
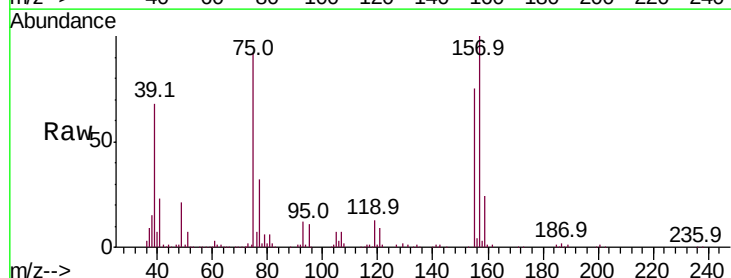
Manual Integrations
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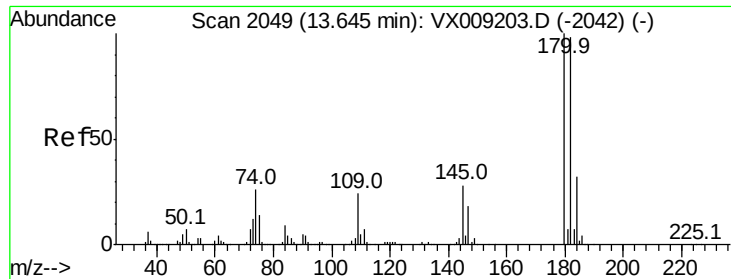
MMDadoda
 5/23/2019 10:39:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.014 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	42.0	126.0
157	102.0	53.2	159.6





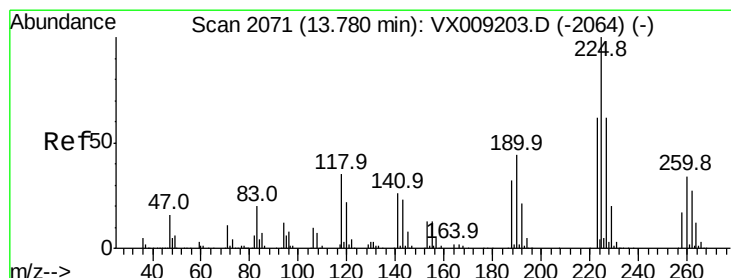
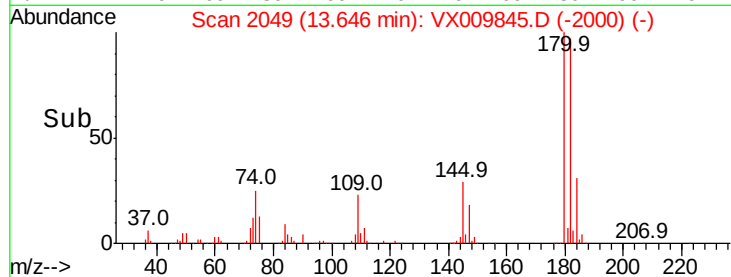
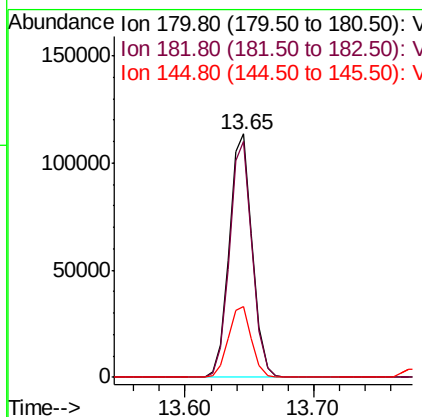
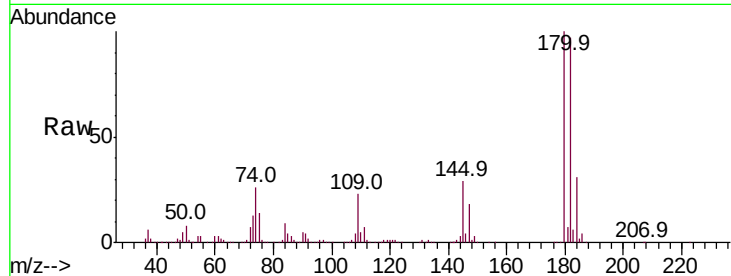
#93
 1,2,4-Trichlorobenzene
 Concen: 46.546 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141535		
182	95.9	48.4	145.2	
145	29.4	14.6	43.8	

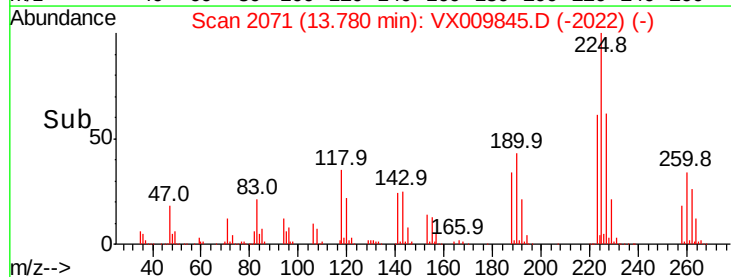
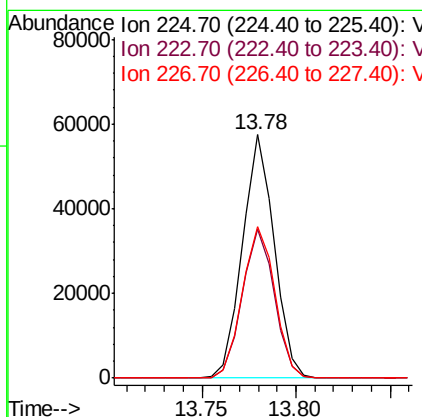
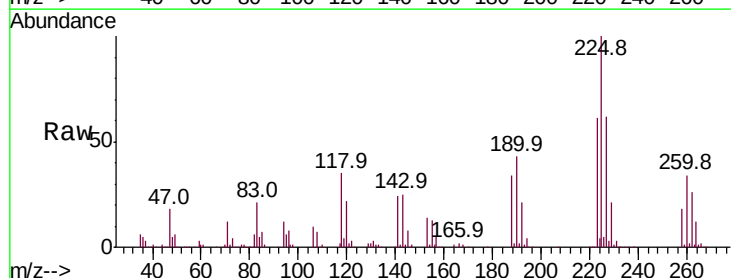
Manual Integrations
 APPROVED

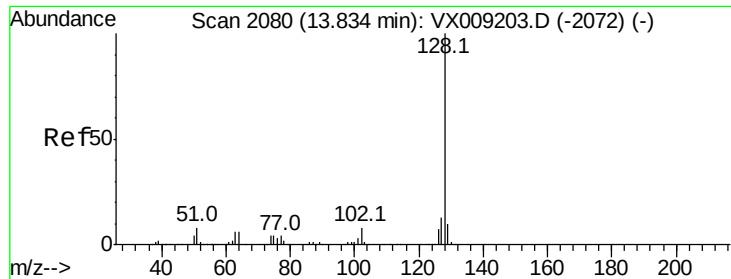
MMDadoda
 5/23/2019 10:39:04 AM



#94
 Hexachlorobutadiene
 Concen: 43.085 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009845.D
 Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66903		
223	62.0	31.3	93.8	
227	64.4	31.8	95.3	





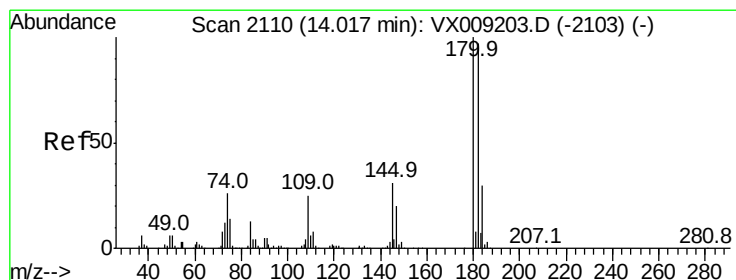
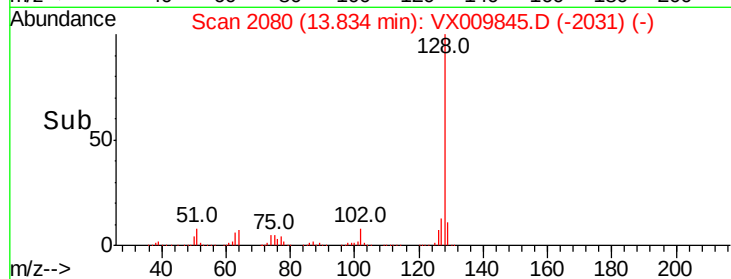
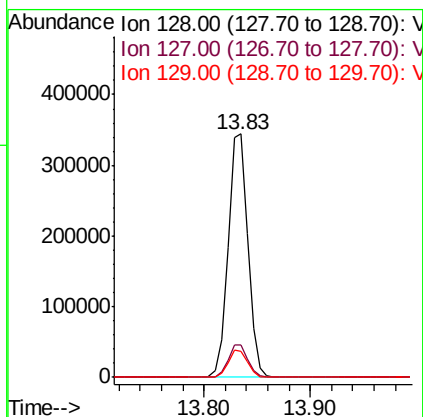
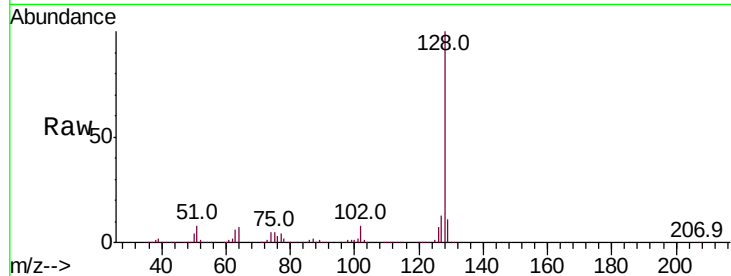
#95
Naphthalene
Concen: 45.265 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.213 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009845.D
Acq: 23 May 2019 08:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	31.2	15.4	46.4

