

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041219\
 Data File : VX008923.D
 Acq On : 13 Apr 2019 06:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/13/2019 2:12:58 PM

Quant Time: Apr 13 07:16:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	146802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	247758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104287	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	103261	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	5.50	113	77801	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	8.71	98	301628	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.13	95	110056	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	91252	54.001	ug/l	99
3) Chloromethane	1.32	50	115074	55.760	ug/l	100
4) Vinyl Chloride	1.41	62	109550	47.957	ug/l	98
5) Bromomethane	1.64	94	65278	57.708	ug/l	98
6) Chloroethane	1.71	64	64727	52.005	ug/l	98
7) Trichlorofluoromethane	1.92	101	123806	49.030	ug/l	97
8) Diethyl Ether	2.19	74	58532	48.880	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72806	44.783	ug/l	96
10) Methyl Iodide	2.51	142	77906	52.406	ug/l	99
11) Tert butyl alcohol	3.06	59	135329	269.967	ug/l	100
12) 1,1-Dichloroethene	2.37	96	81657	48.114	ug/l	99
13) Acrolein	2.29	56	71201	286.453	ug/l	98
14) Allyl chloride	2.73	41	180214	46.385	ug/l	99
15) Acrylonitrile	3.14	53	327123	246.332	ug/l	99
16) Acetone	2.45	43	283180	229.618	ug/l	98
17) Carbon Disulfide	2.57	76	235826	48.090	ug/l	99
18) Methyl Acetate	2.78	43	146391	48.943	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	316413	52.205	ug/l	100
20) Methylene Chloride	2.85	84	96861	46.921	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	85979	46.836	ug/l	92
22) Diisopropyl ether	3.86	45	367066	49.018	ug/l	99
23) Vinyl Acetate	3.82	43	1663608	255.373	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180499	48.684	ug/l	99
25) 2-Butanone	4.68	43	488305	250.514	ug/l	99
26) 2,2-Dichloropropane	4.58	77	81307	31.136	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	101354	48.021	ug/l	94
28) Bromochloromethane	5.02	49	82026	53.154	ug/l	96
29) Tetrahydrofuran	5.13	42	323612	250.138	ug/l	100
30) Chloroform	5.21	83	162469	49.062	ug/l	100
31) Cyclohexane	5.58	56	166483	45.001	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	135239	50.538	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123409	45.568	ug/l	99
37) Ethyl Acetate	4.84	43	184988	51.173	ug/l	99
38) Carbon Tetrachloride	5.79	117	112270	50.087	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	142968	42.734	ug/l	99
40) Benzene	6.14	78	392720	48.675	ug/l	99
41) Methacrylonitrile	5.04	41	102581	49.368	ug/l	100
42) 1,2-Dichloroethane	6.19	62	139759	48.319	ug/l	99
43) Isopropyl Acetate	6.45	43	297454	52.528	ug/l	100
44) Trichloroethene	7.21	130	91139	48.501	ug/l	96
45) 1,2-Dichloropropane	7.51	63	110807	48.117	ug/l	97
46) Dibromomethane	7.66	93	64381	48.203	ug/l	97
47) Bromodichloromethane	7.90	83	127419	50.597	ug/l	99
48) Methyl methacrylate	7.77	41	147813	51.601	ug/l	98
49) 1,4-Dioxane	7.74	88	51715	963.739	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	943175	258.733	ug/l	99
52) Toluene	8.79	92	236482	49.716	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	141315	50.095	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154458	47.919	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95367	49.948	ug/l	99
56) Ethyl methacrylate	9.18	69	181615	52.572	ug/l	99
57) 1,3-Dichloropropane	9.37	76	170657	49.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	457736	259.489	ug/l	98
59) 2-Hexanone	9.49	43	715968	252.726	ug/l	100
60) Dibromochloromethane	9.58	129	96175	53.454	ug/l	100
61) 1,2-Dibromoethane	9.67	107	100158	50.389	ug/l	99
64) Tetrachloroethene	9.33	164	83835	50.845	ug/l	99
65) Chlorobenzene	10.14	112	240008	48.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	88194	50.960	ug/l	99
67) Ethyl Benzene	10.25	91	440896	47.930	ug/l	99
68) m/p-Xylenes	10.36	106	321209	97.117	ug/l	98
69) o-Xylene	10.70	106	156206	48.734	ug/l	99
70) Styrene	10.71	104	276123	49.976	ug/l	100
71) Bromoform	10.85	173	72314	54.709	ug/l #	100
73) Isopropylbenzene	11.02	105	414492	47.959	ug/l	100
74) N-amyl acetate	10.90	43	257581	50.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	153638	46.742	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	130826m	45.666	ug/l	
77) Bromobenzene	11.26	156	103797	49.958	ug/l	97
78) n-propylbenzene	11.36	91	469833	46.688	ug/l	99
79) 2-Chlorotoluene	11.42	91	285547	46.890	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	344886	47.540	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	47571	45.772	ug/l	97
82) 4-Chlorotoluene	11.51	91	323005	45.822	ug/l	98
83) tert-Butylbenzene	11.77	119	329913	47.268	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	351366	47.832	ug/l	100
85) sec-Butylbenzene	11.94	105	393254	47.434	ug/l	99
86) p-Isopropyltoluene	12.06	119	353785	47.545	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	176060	47.334	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	174801	46.410	ug/l	99
89) n-Butylbenzene	12.38	91	313997	44.996	ug/l	99
90) Hexachloroethane	12.60	117	62662	50.772	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	177431	48.045	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35408	48.970	ug/l	96

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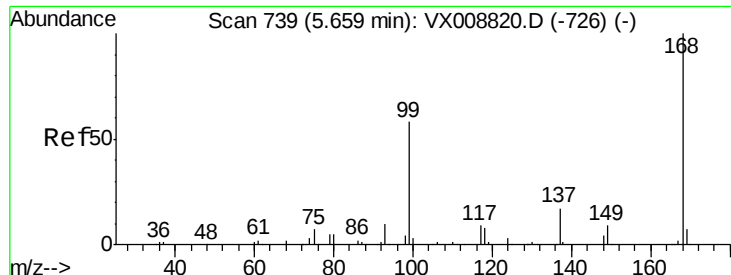
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123221	47.988	ug/l	99
94) Hexachlorobutadiene	13.78	225	58075	47.160	ug/l	99
95) Naphthalene	13.83	128	429042	49.994	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126614	49.353	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 146802

Ion Ratio Lower Upper

168 100

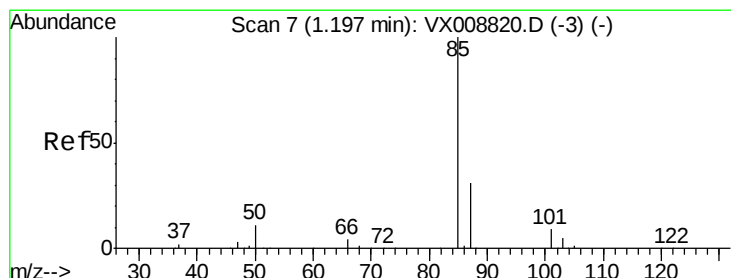
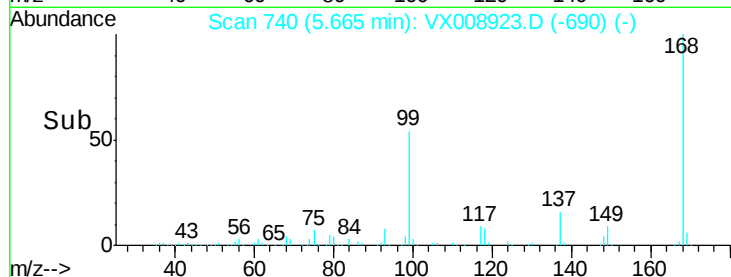
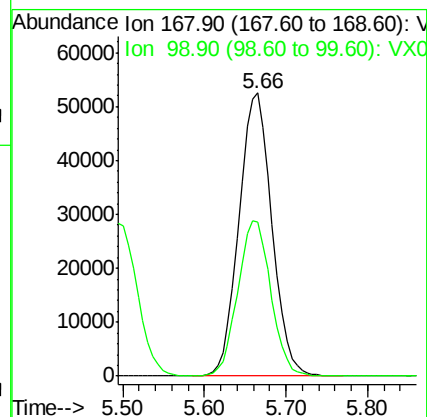
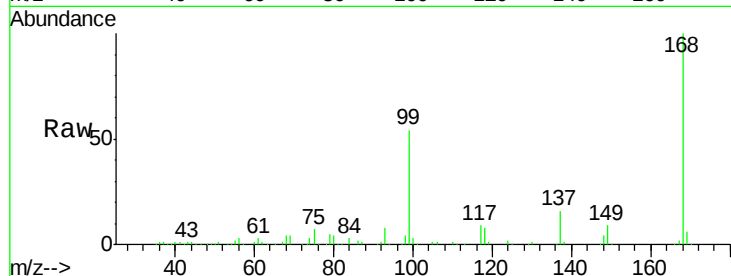
99 54.3 46.7 70.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 54.001 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008923.D

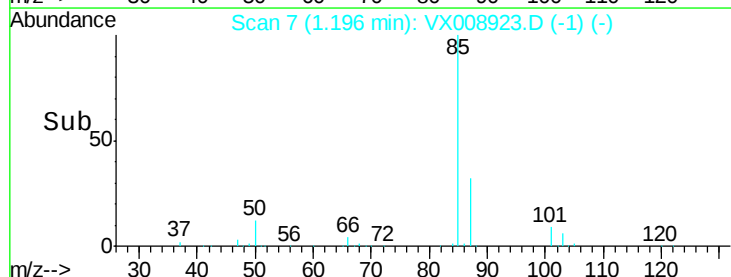
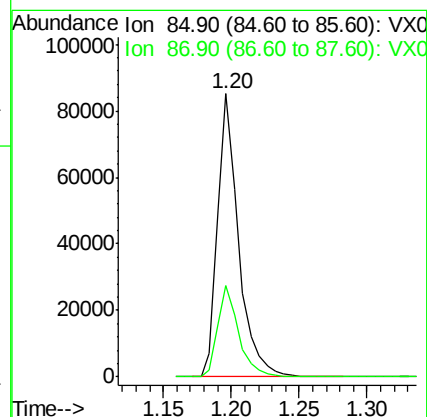
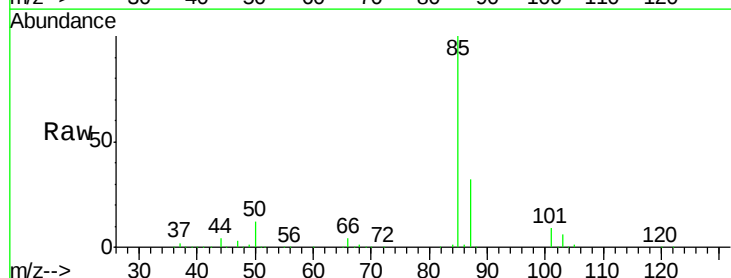
Acq: 13 Apr 2019 06:18

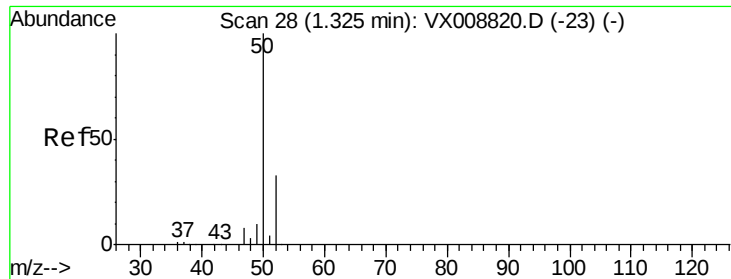
Tgt Ion: 85 Resp: 91252

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3





#3

Chloromethane

Concen: 55.760 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 115074

Ion Ratio Lower Upper

50 100

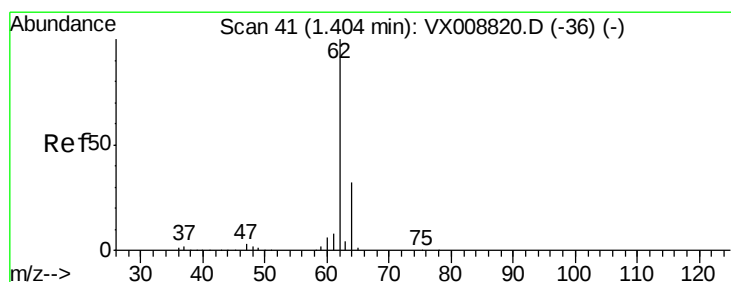
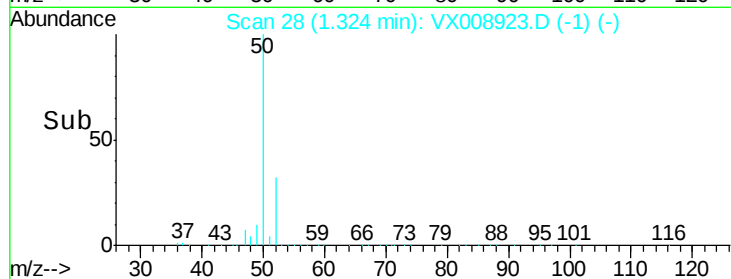
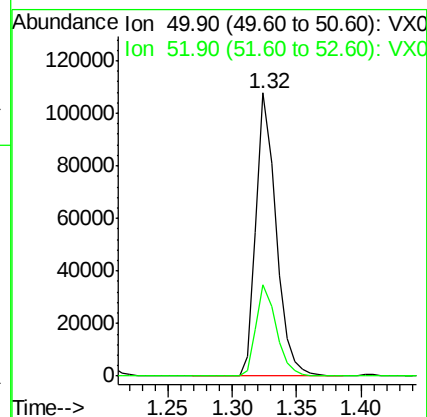
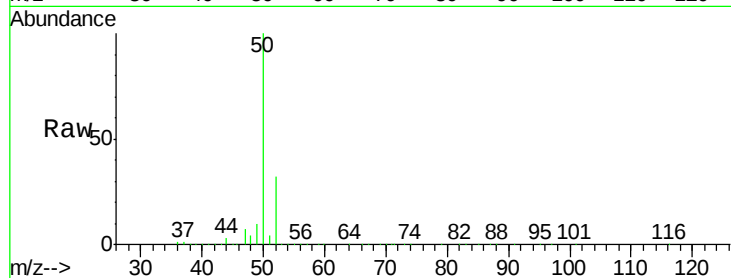
52 32.4 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.957 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008923.D

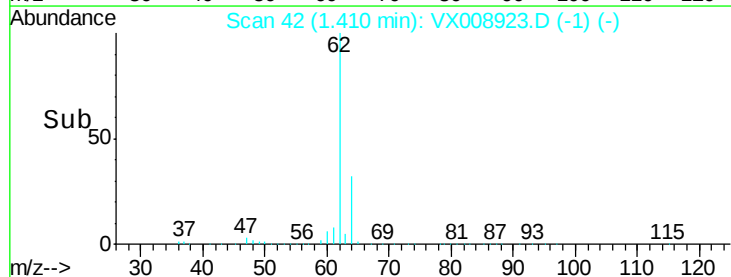
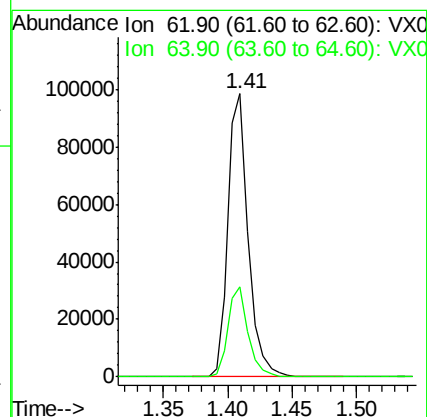
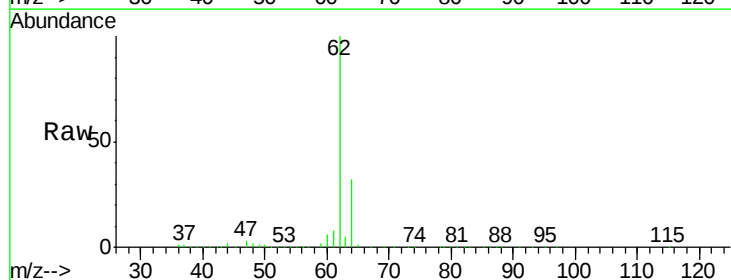
Acq: 13 Apr 2019 06:18

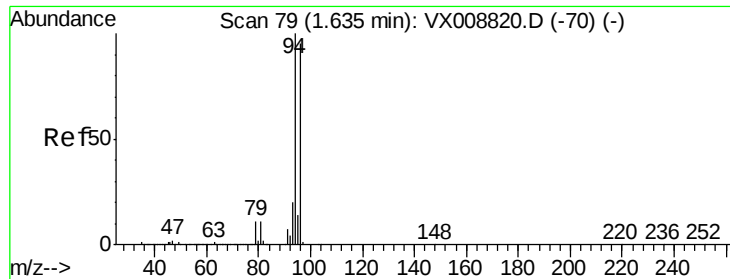
Tgt Ion: 62 Resp: 109550

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 57.708 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 65278

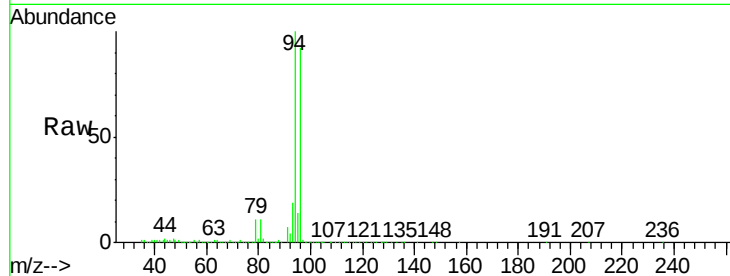
Ion Ratio Lower Upper

94 100

96 92.4 75.2 112.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

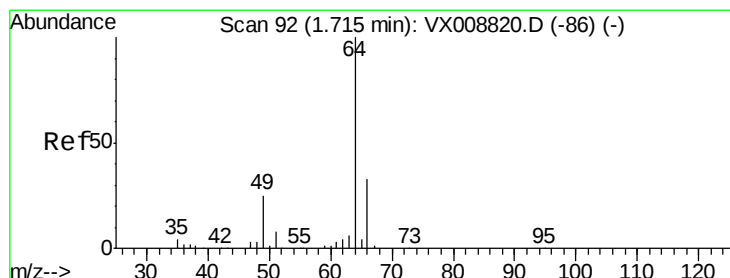
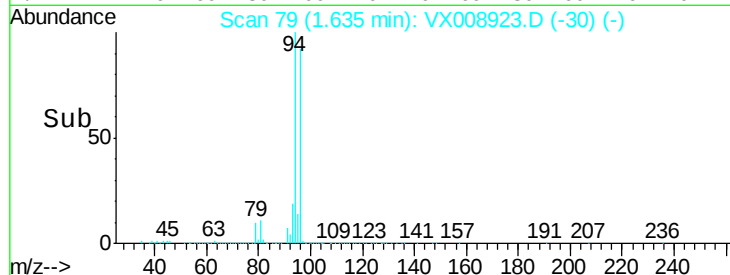
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 52.005 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008923.D

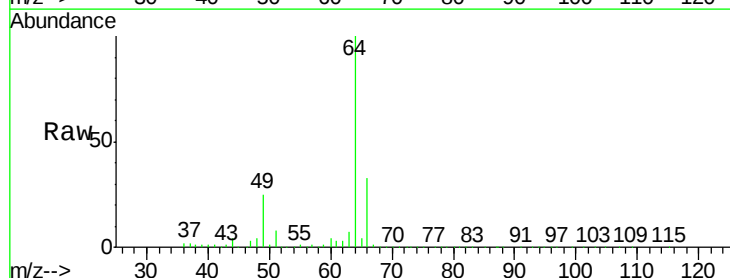
Acq: 13 Apr 2019 06:18

Tgt Ion: 64 Resp: 64727

Ion Ratio Lower Upper

64 100

66 32.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

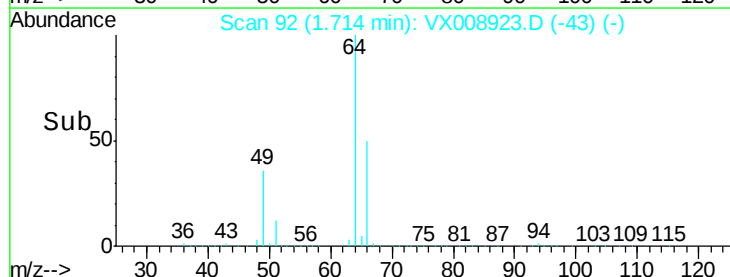
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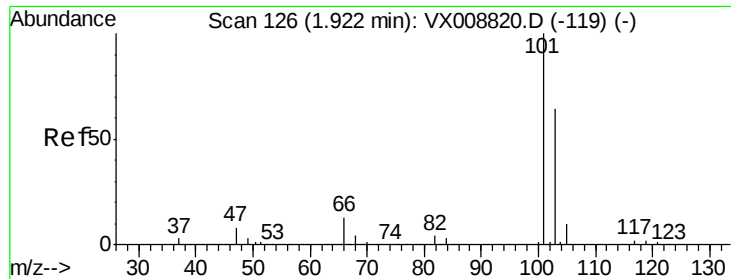
20000

10000

0

Time--> 1.65 1.70 1.75 1.80





#7

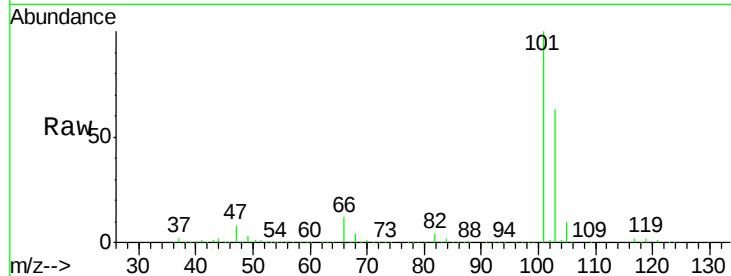
Trichlorofluoromethane
Concen: 49.030 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

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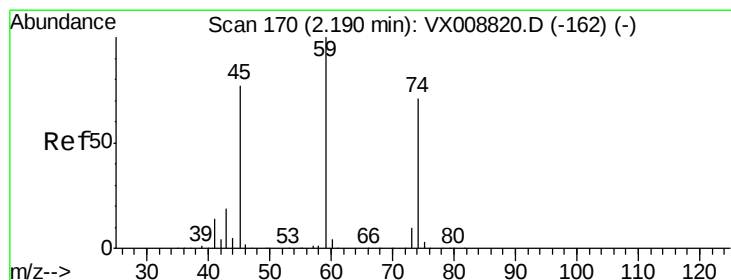
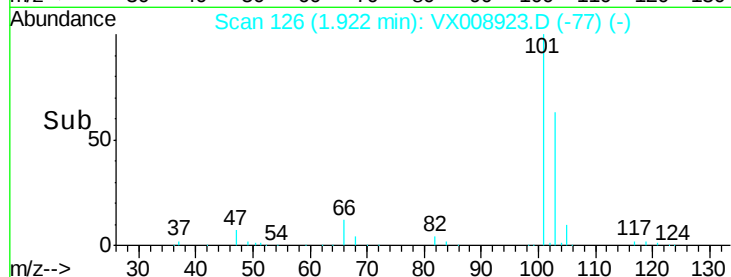
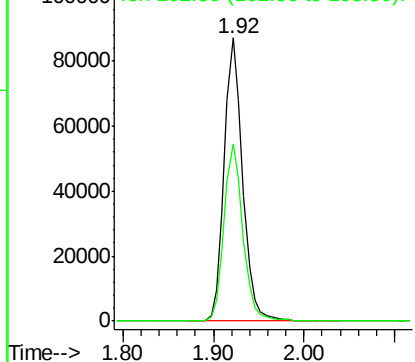
Tgt Ion:101 Resp: 123806
Ion Ratio Lower Upper
101 100
103 62.7 52.3 78.5

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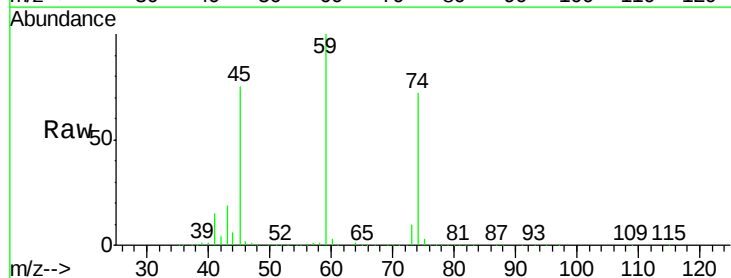
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



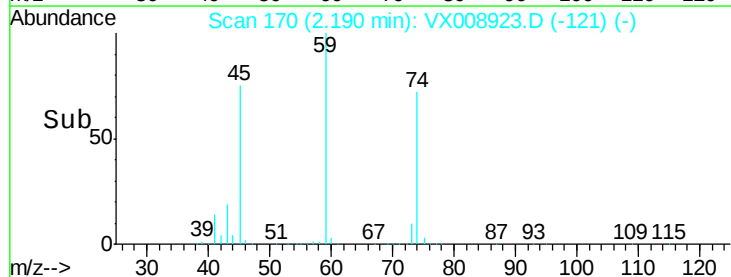
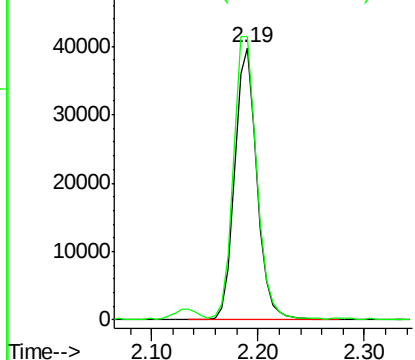
#8

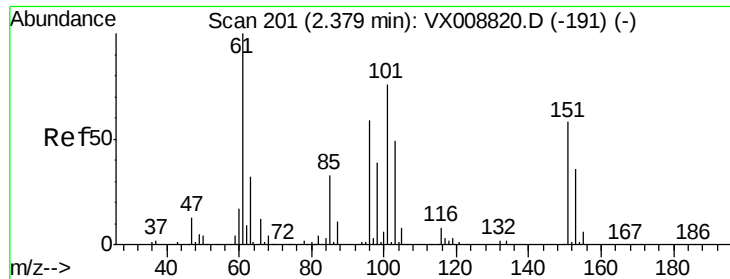
Diethyl Ether
Concen: 48.880 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 74 Resp: 58532
Ion Ratio Lower Upper
74 100
45 108.3 56.5 169.5



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.783 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

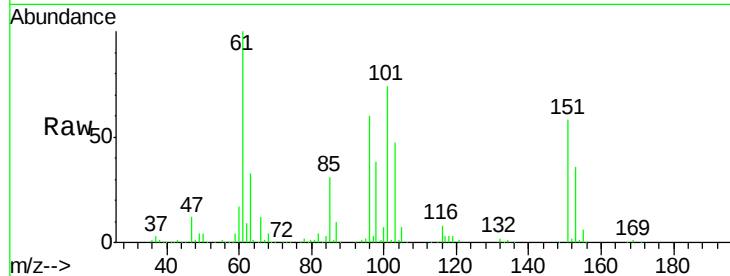
ClientSampleId :

VSTDCCC050EC

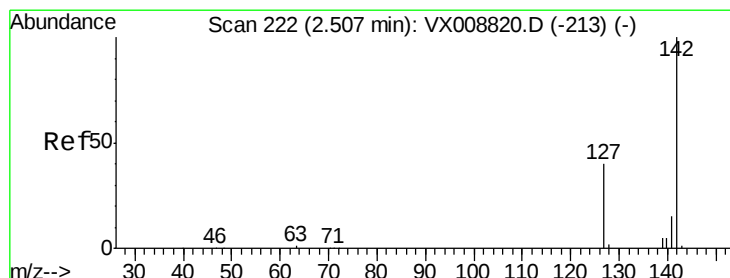
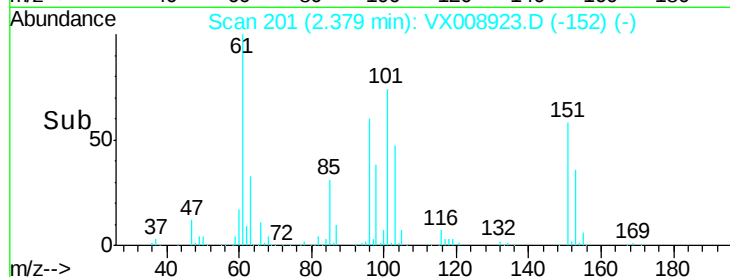
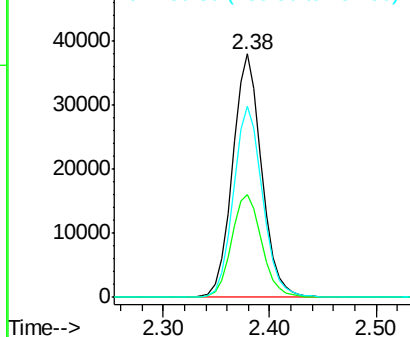
Tgt Ion:	101	Resp:	72806
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	79.1	59.9	89.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.406 ug/l

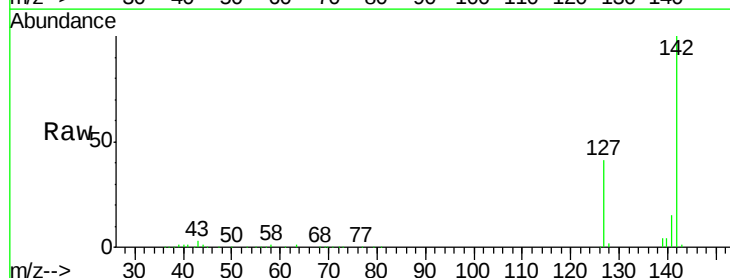
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

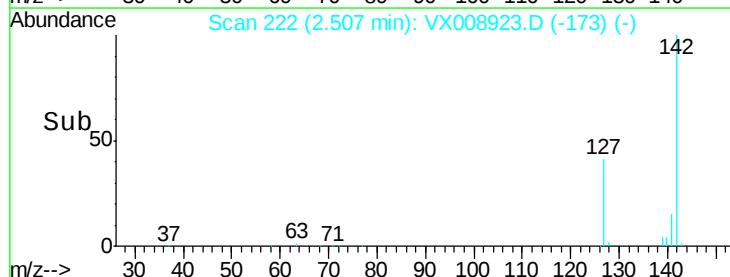
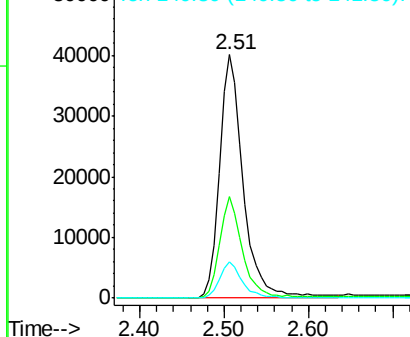
Lab File: VX008923.D

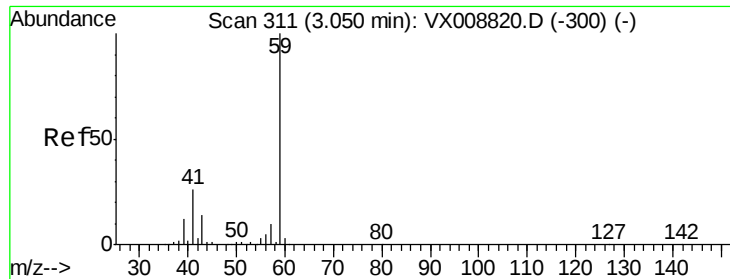
Acq: 13 Apr 2019 06:18

Tgt Ion:	142	Resp:	77906
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.0	49.6
141	14.1	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





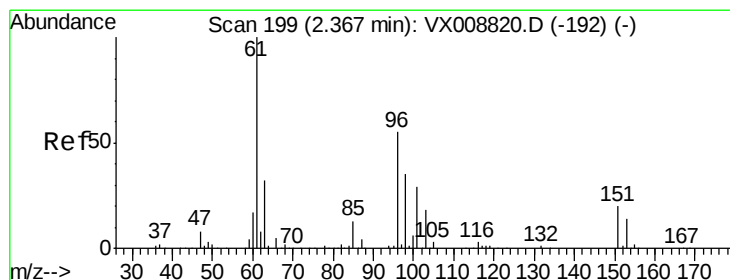
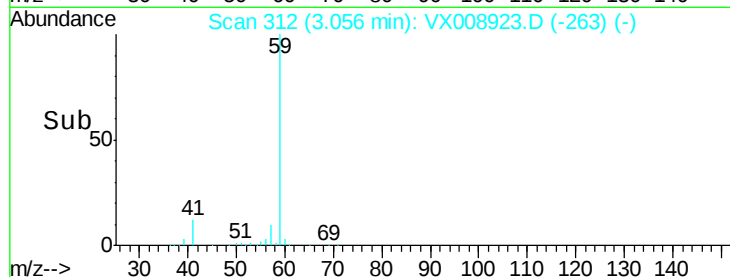
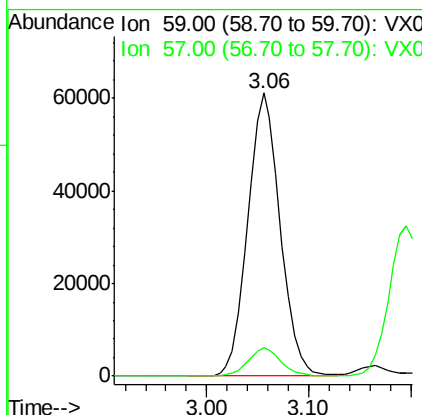
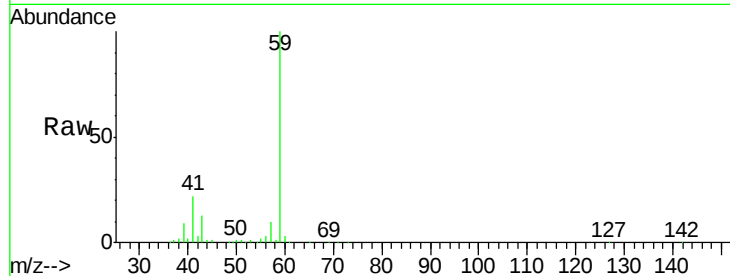
#11
Tert butyl alcohol
Concen: 269.967 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 135329
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

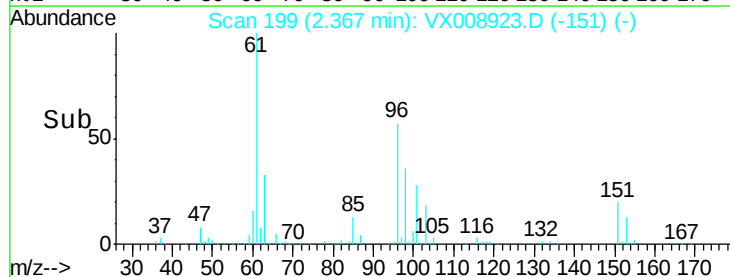
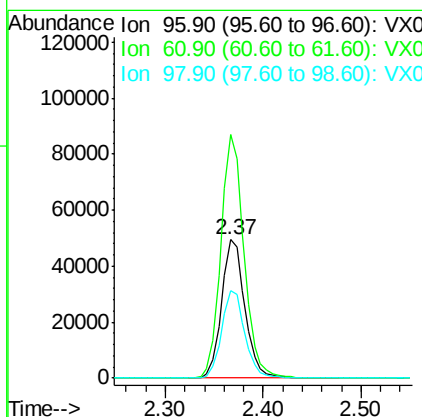
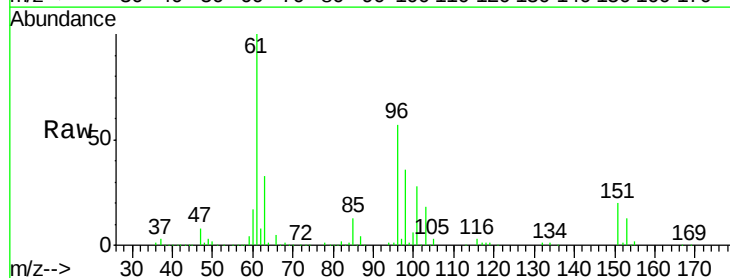
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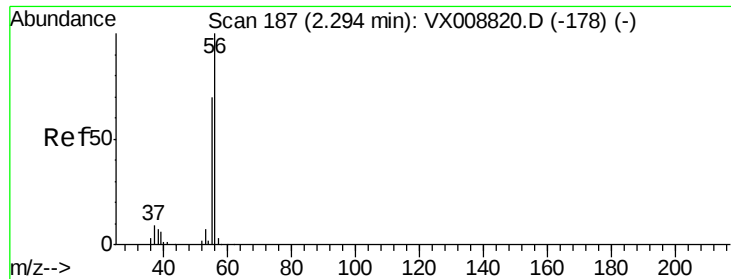
MMDadoda
4/13/2019 2:12:58 PM



#12
1,1-Dichloroethene
Concen: 48.114 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 96 Resp: 81657
Ion Ratio Lower Upper
96 100
61 175.7 140.9 211.3
98 63.3 52.1 78.1





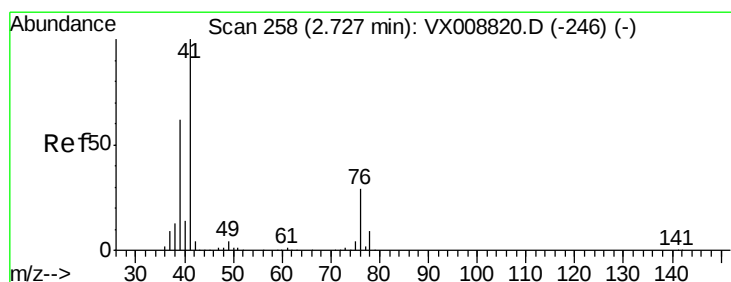
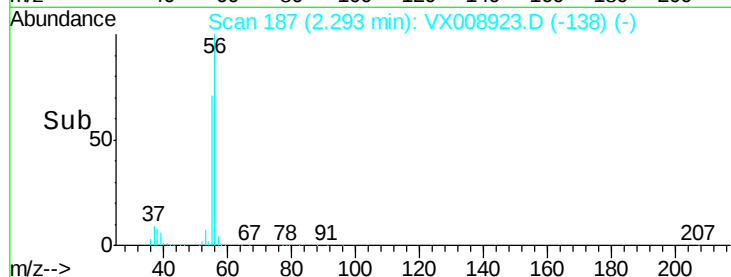
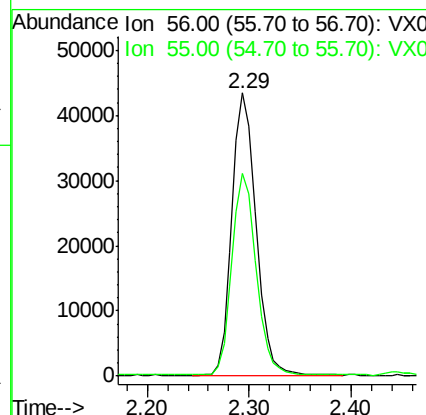
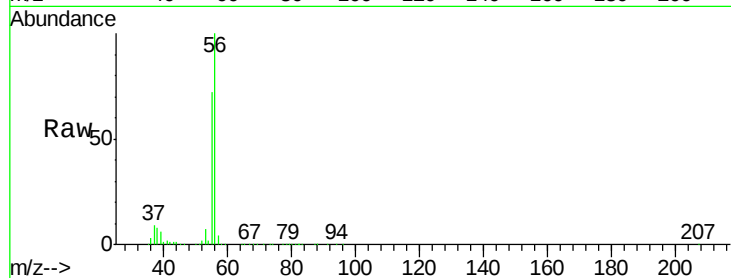
#13
Acrolein
Concen: 286.453 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 71201
Ion Ratio Lower Upper
56 100
55 71.0 58.0 87.0

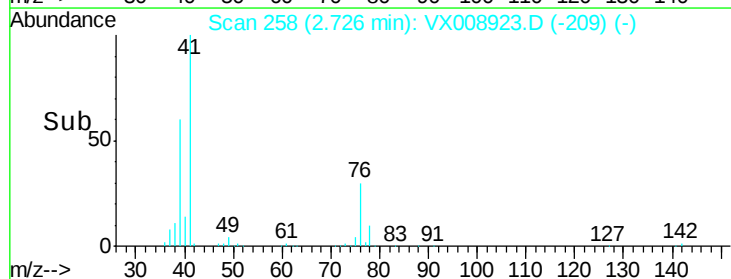
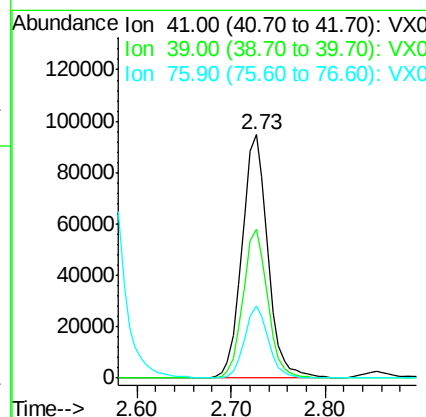
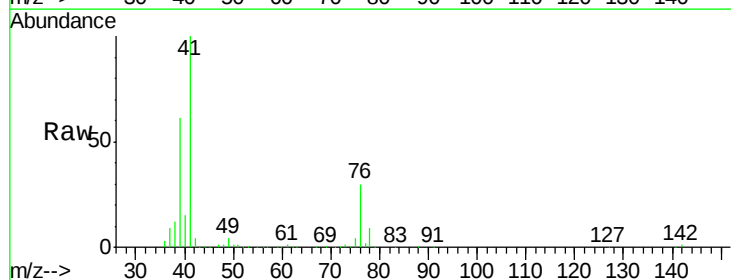
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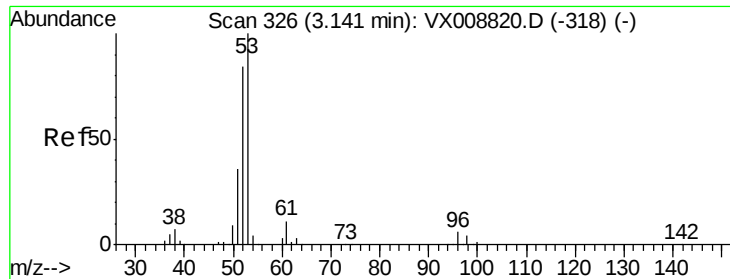
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#14
Allyl chloride
Concen: 46.385 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 41 Resp: 180214
Ion Ratio Lower Upper
41 100
39 58.5 48.0 72.0
76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 246.332 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

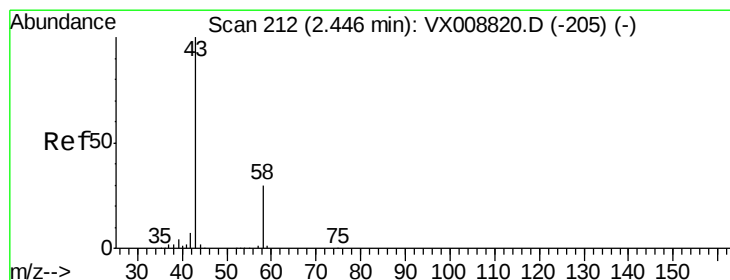
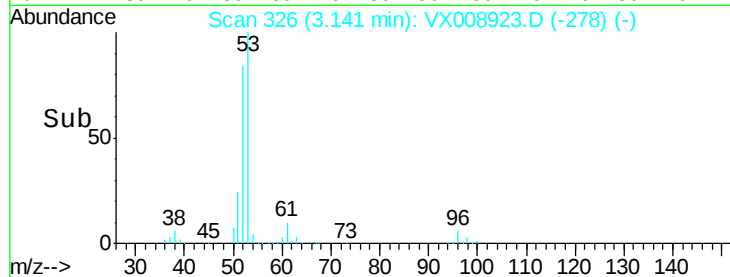
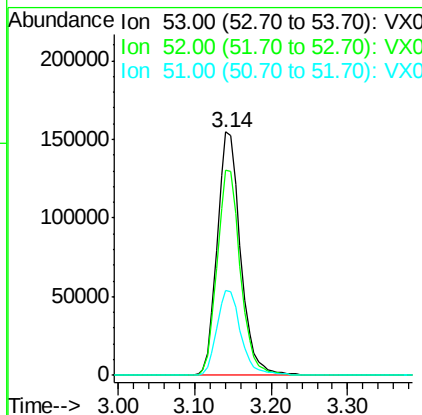
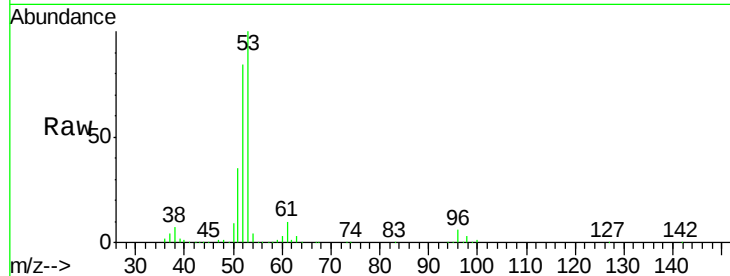
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	327123
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.5	99.7
51	35.6	28.6	42.8

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#16

Acetone

Concen: 229.618 ug/l

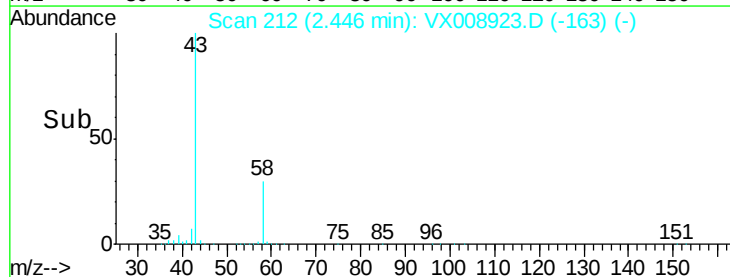
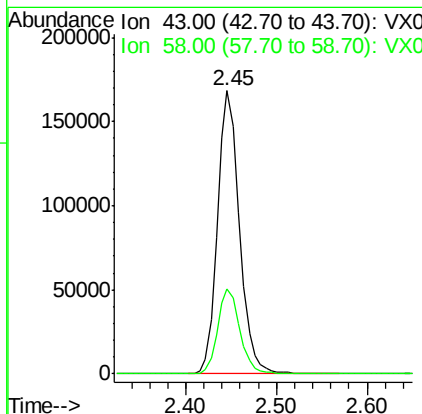
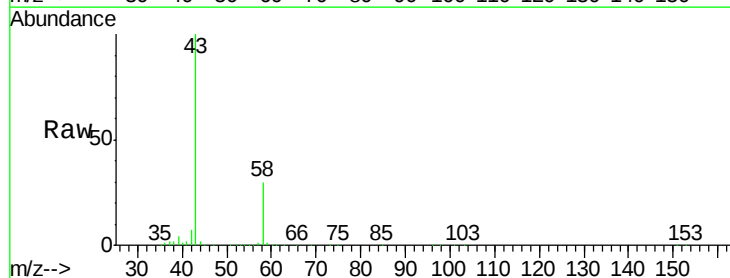
RT: 2.45 min Scan# 212

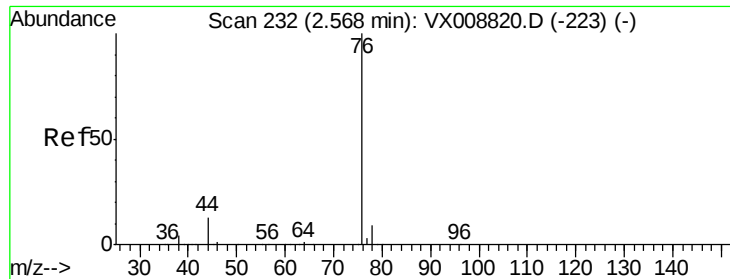
Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion:	43	Resp:	283180
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.8	37.2





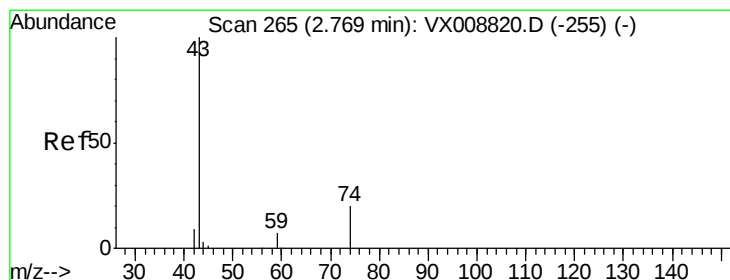
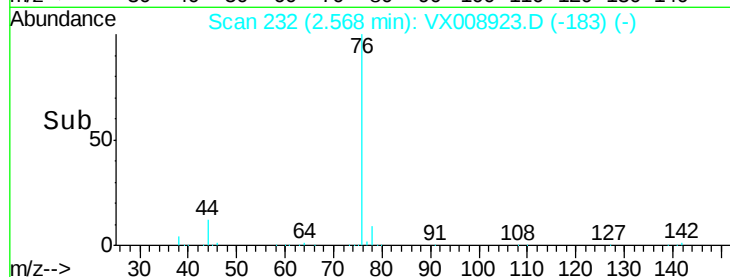
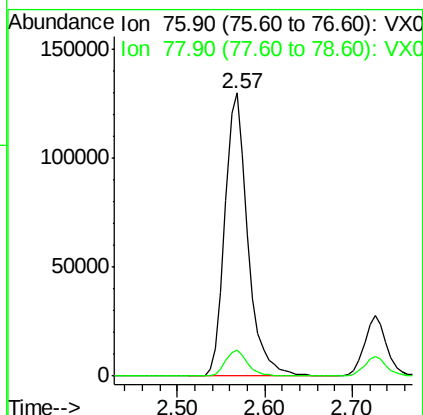
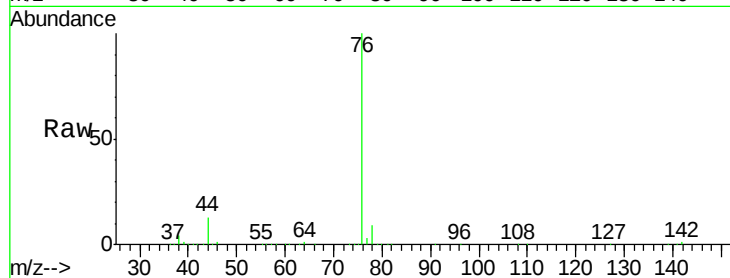
#17
Carbon Disulfide
Concen: 48.090 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 235826
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

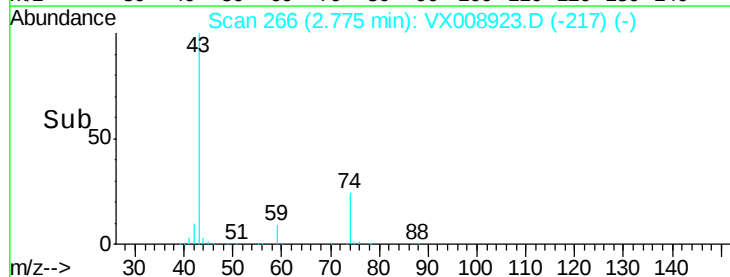
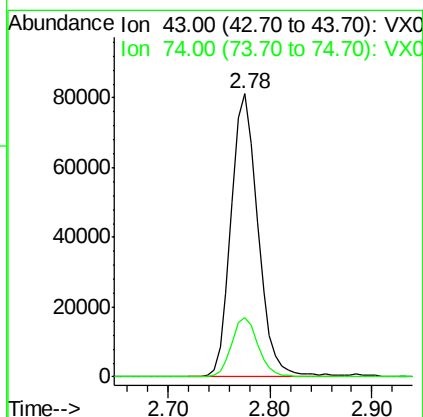
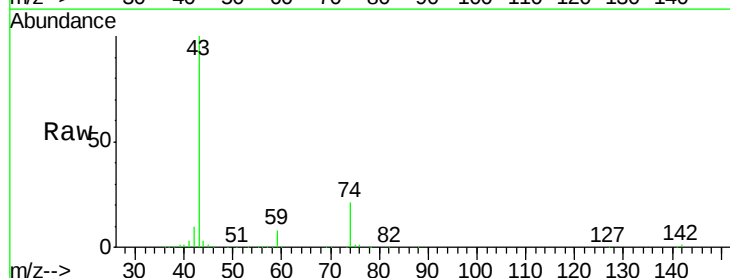
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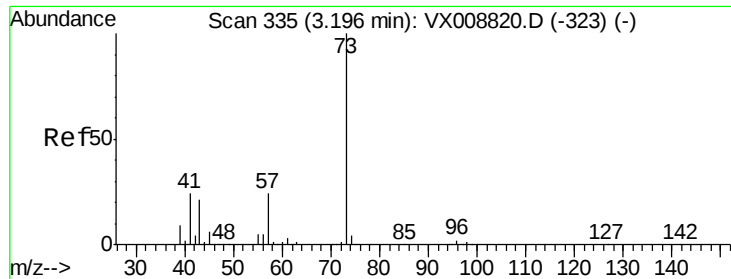
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#18
Methyl Acetate
Concen: 48.943 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 43 Resp: 146391
Ion Ratio Lower Upper
43 100
74 21.2 16.5 24.7





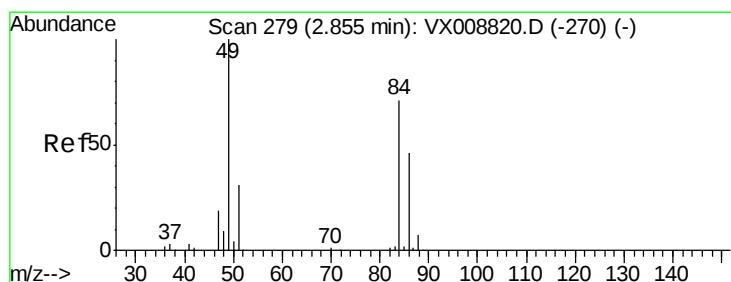
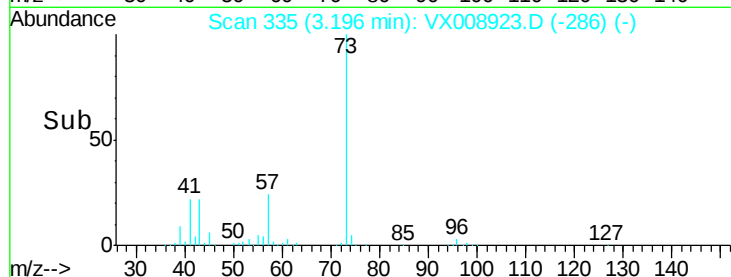
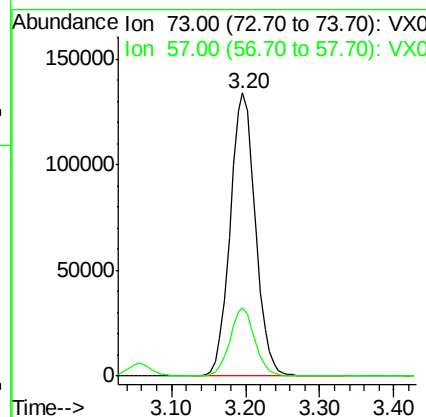
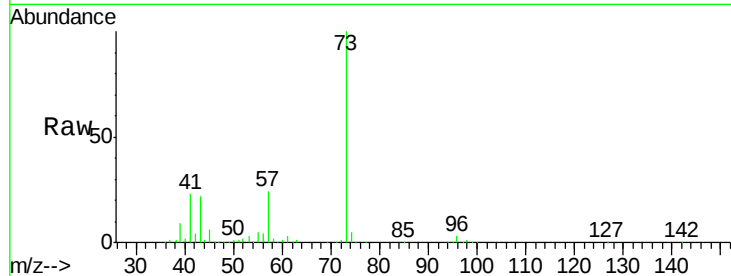
#19
Methyl tert-butyl Ether
Concen: 52.205 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 316413
Ion Ratio Lower Upper
73 100
57 24.2 19.5 29.3

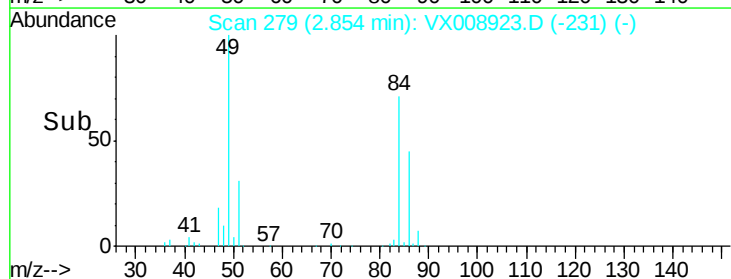
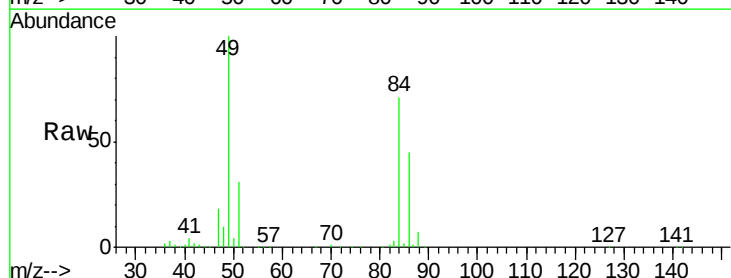
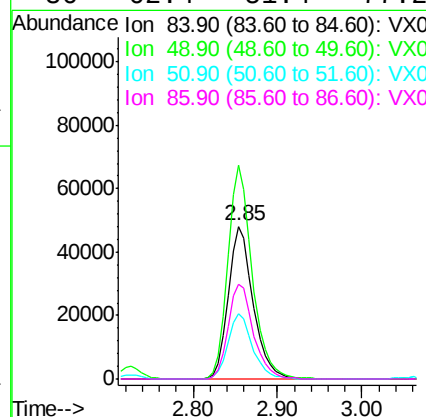
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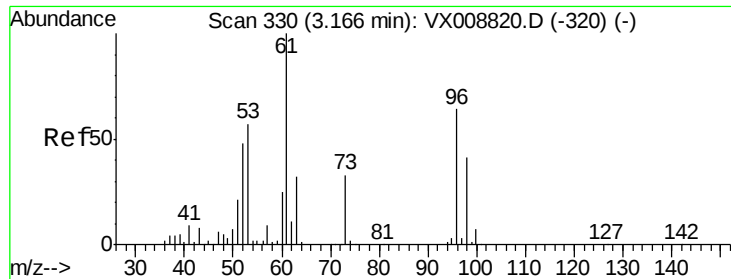
MMDadoda
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#20
Methylene Chloride
Concen: 46.921 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 84 Resp: 96861
Ion Ratio Lower Upper
84 100
49 140.0 109.7 164.5
51 42.9 33.6 50.4
86 62.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.836 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 85979

Ion Ratio Lower Upper

96 100

61 150.4 132.1 198.1

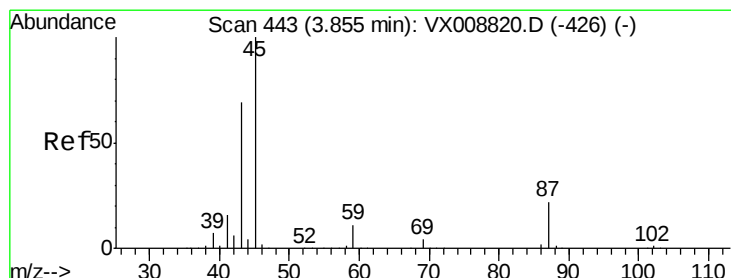
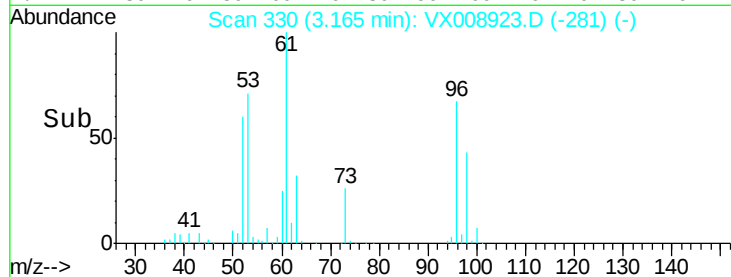
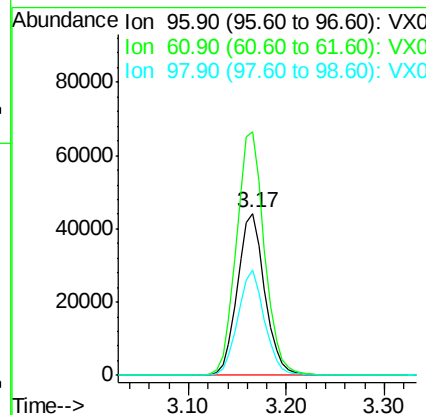
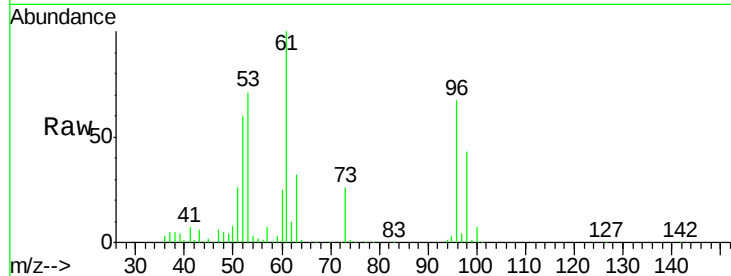
98 65.1 52.2 78.2

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#22

Diisopropyl ether

Concen: 49.018 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion: 45 Resp: 367066

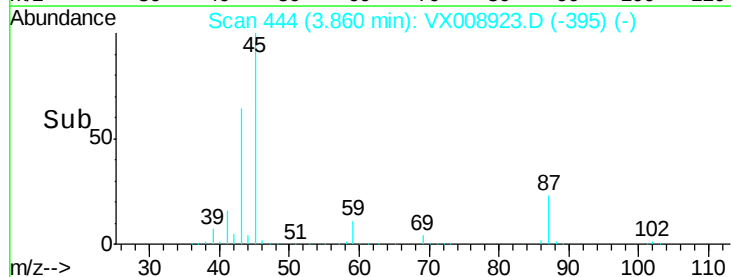
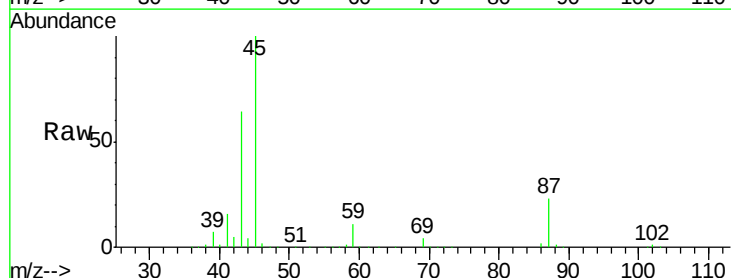
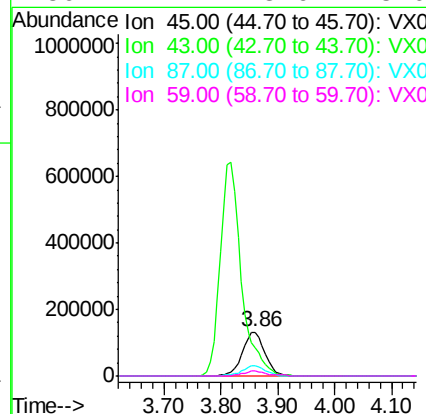
Ion Ratio Lower Upper

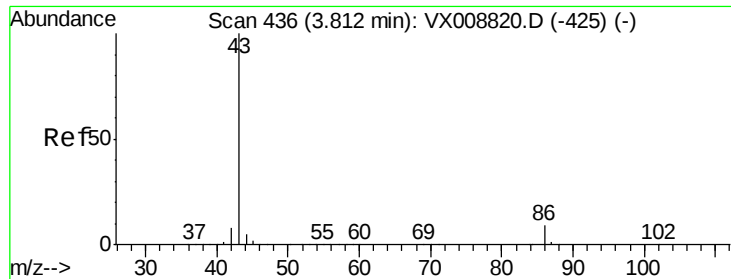
45 100

43 63.5 51.3 76.9

87 23.5 18.1 27.1

59 11.2 8.6 13.0





#23

Vinyl Acetate

Concen: 255.373 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1663608

Ion Ratio Lower Upper

43 100

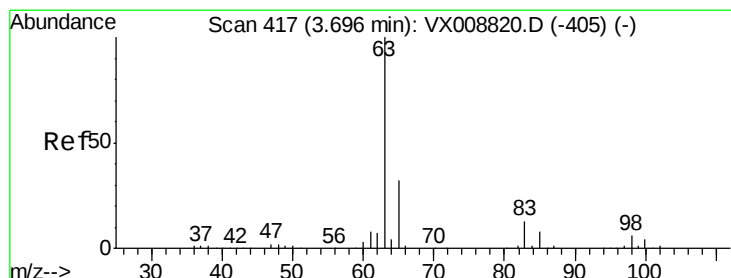
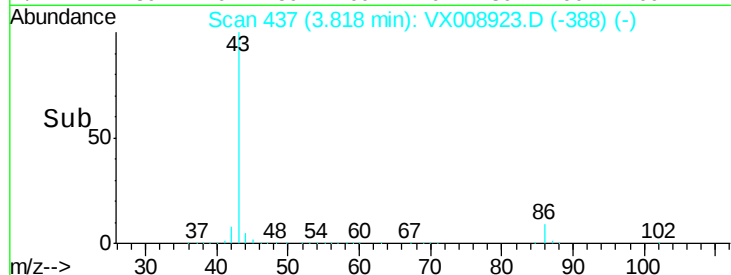
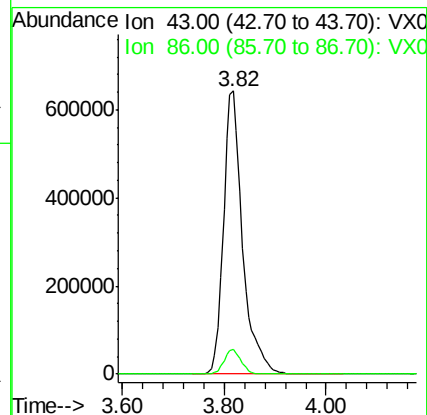
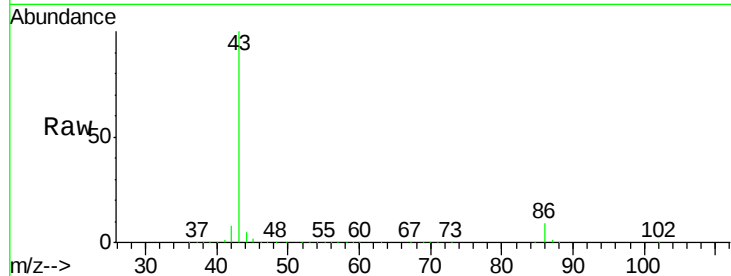
86 8.7 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.684 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

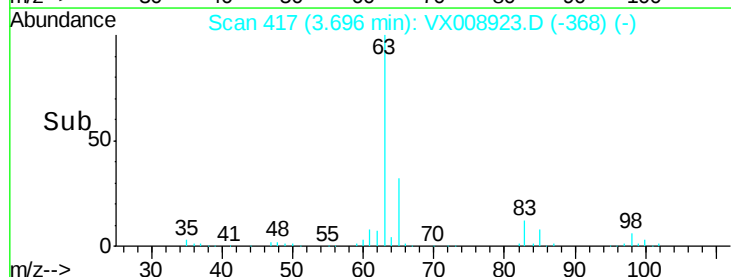
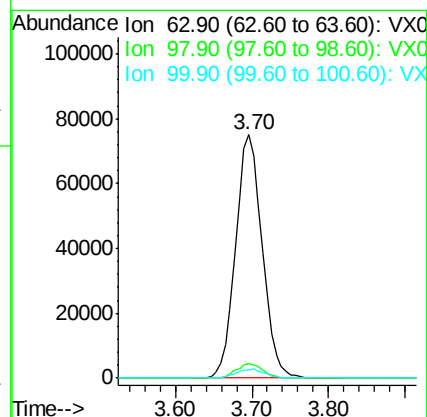
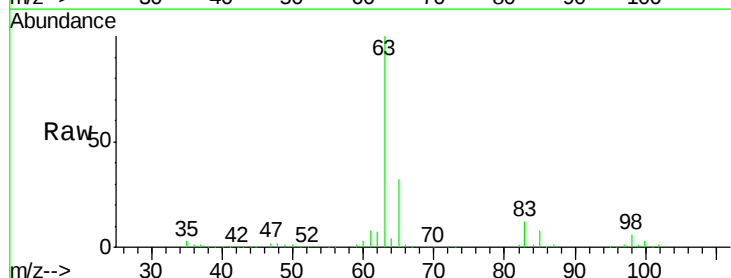
Tgt Ion: 63 Resp: 180499

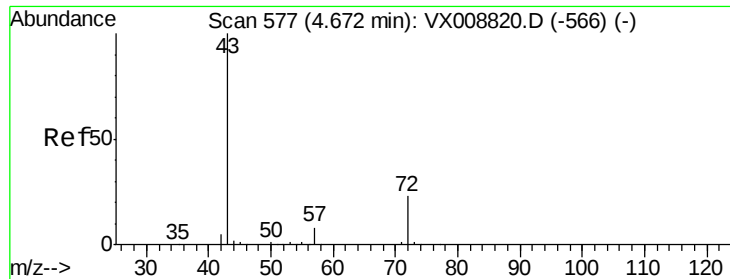
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.5 1.8 5.5





#25

2-Butanone

Concen: 250.514 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 488305

Ion Ratio Lower Upper

43 100

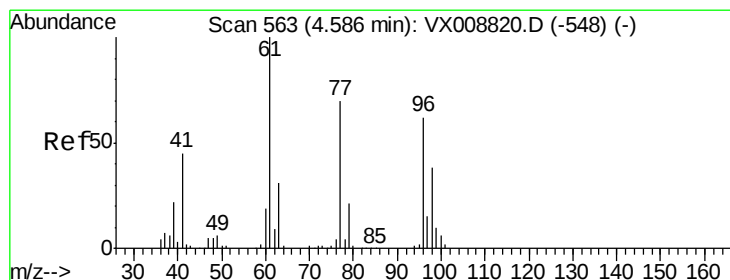
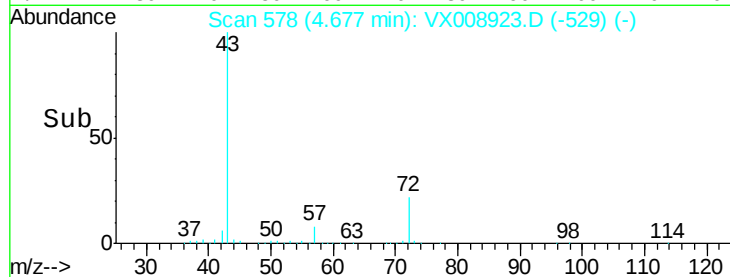
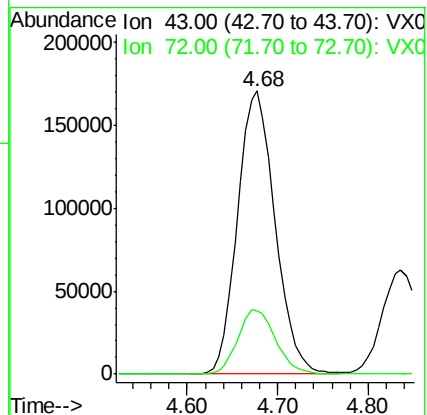
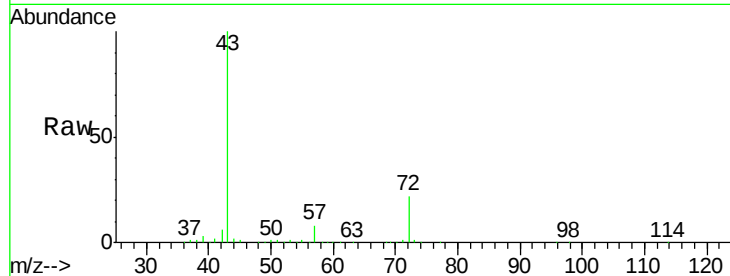
72 22.3 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 31.136 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008923.D

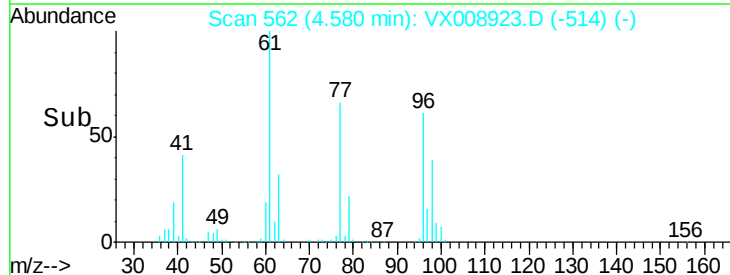
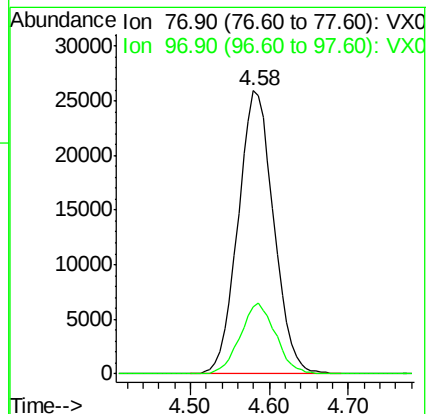
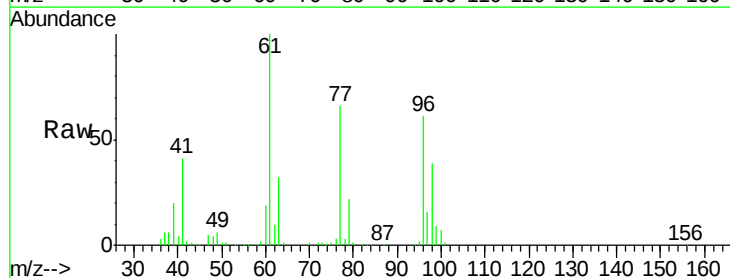
Acq: 13 Apr 2019 06:18

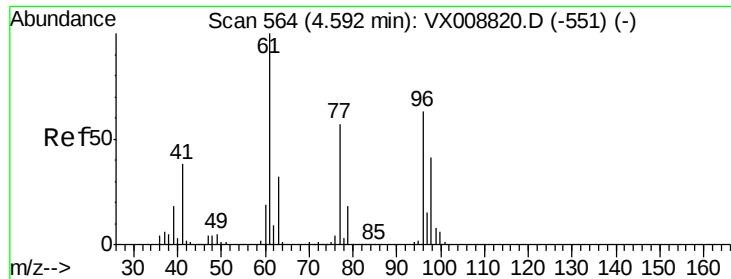
Tgt Ion: 77 Resp: 81307

Ion Ratio Lower Upper

77 100

97 24.9 11.5 34.5





#27

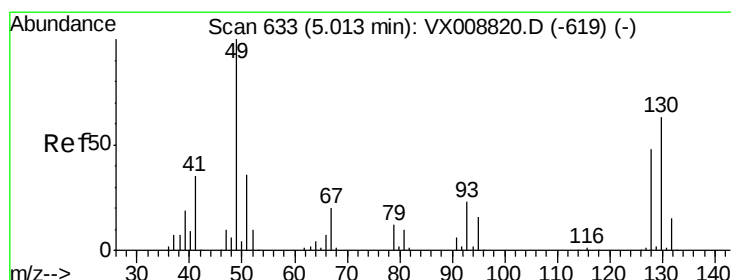
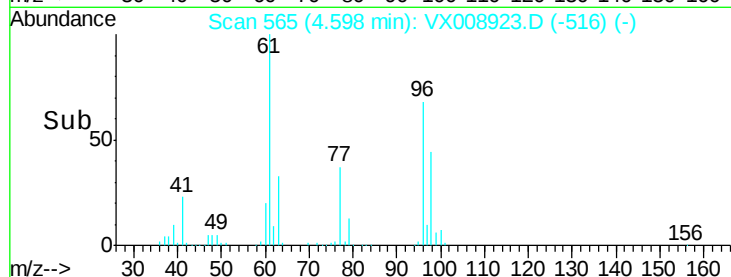
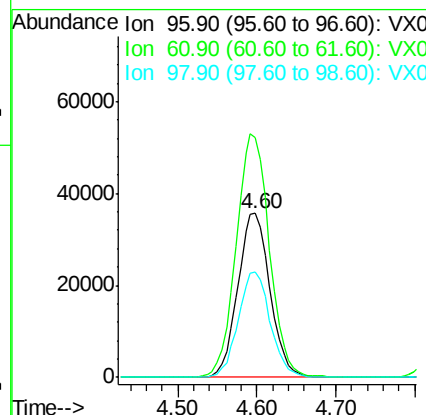
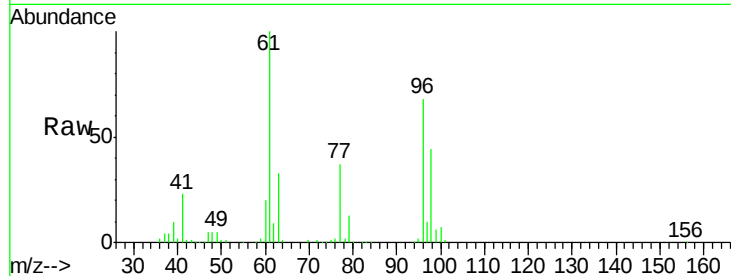
cis-1,2-Dichloroethene
Concen: 48.021 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	101354		
61	152.6	0.0	327.6	
98	64.0	0.0	128.6	

Manual Integrations
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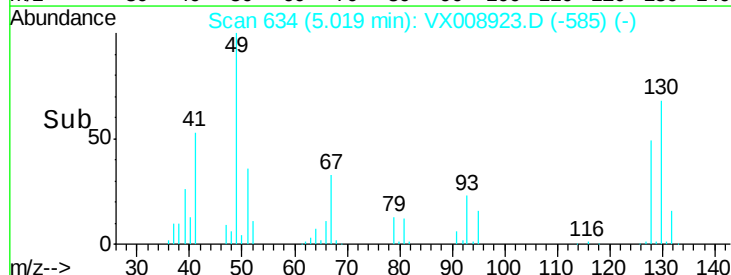
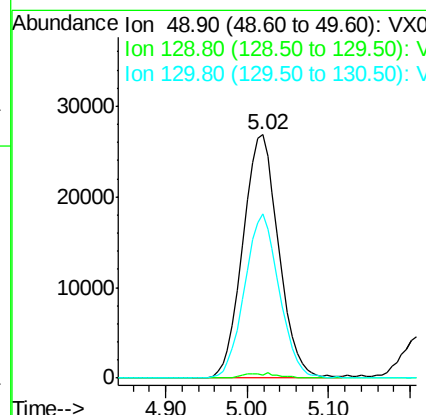
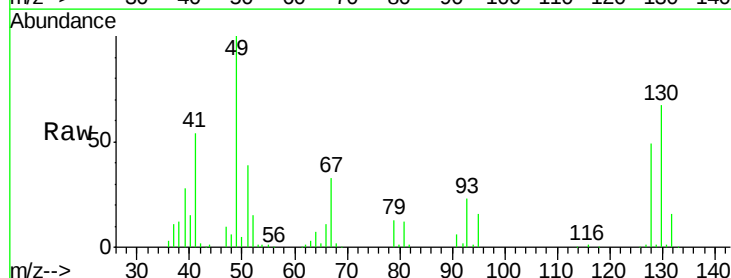
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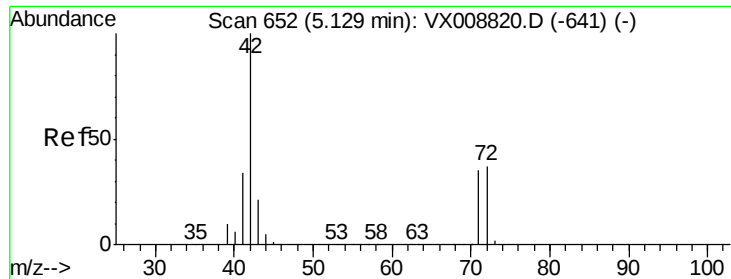


#28

Bromochloromethane
Concen: 53.154 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82026		
129	1.1	0.0	3.6	
130	65.0	49.3	73.9	





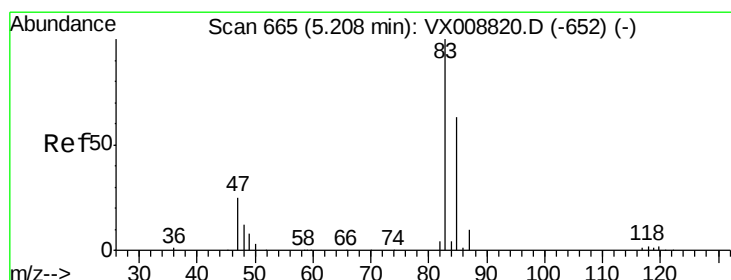
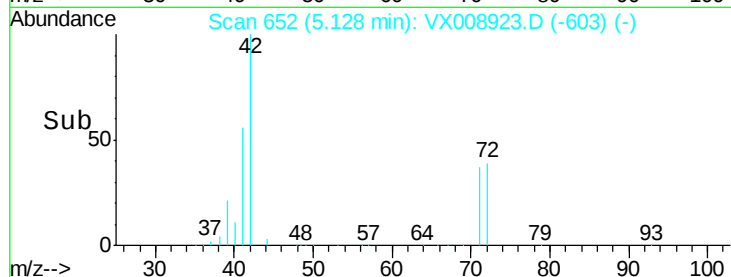
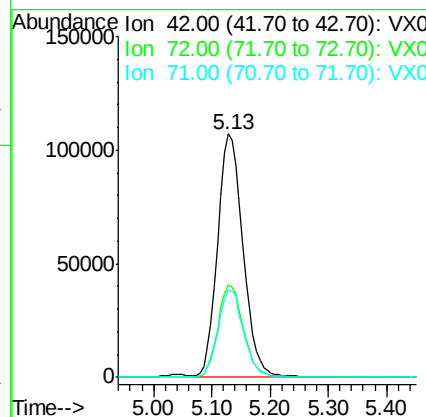
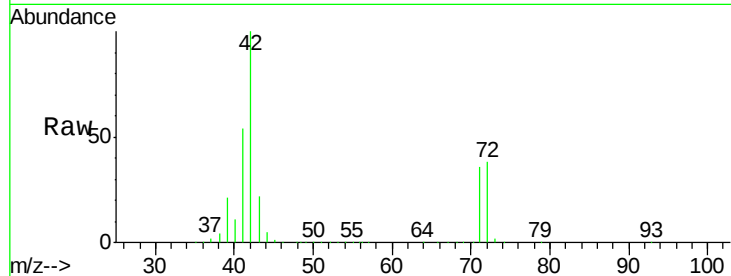
#29
Tetrahydrofuran
Concen: 250.138 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.5	45.7
71	35.9	28.6	43.0

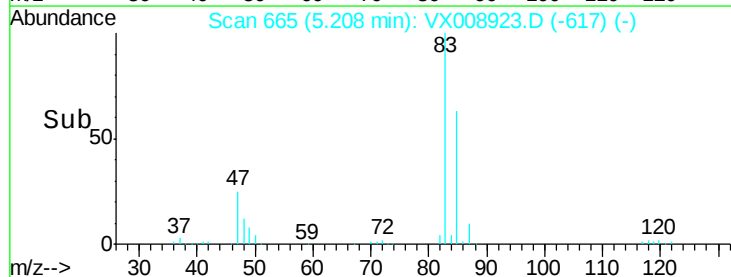
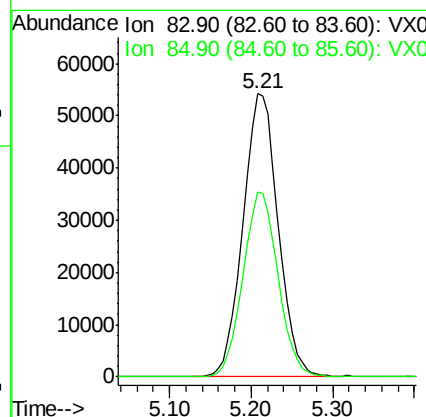
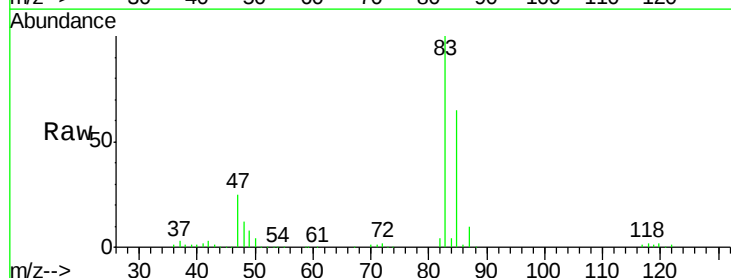
Manual Integrations
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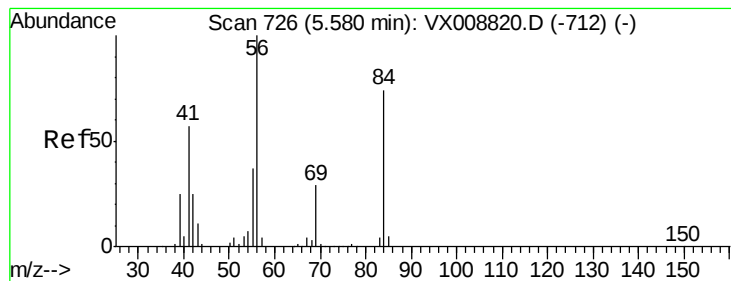
MMDadoda
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#30
Chloroform
Concen: 49.062 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.1	78.1





#31

Cyclohexane

Concen: 45.001 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

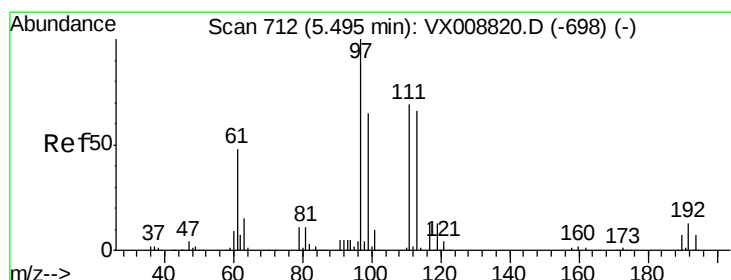
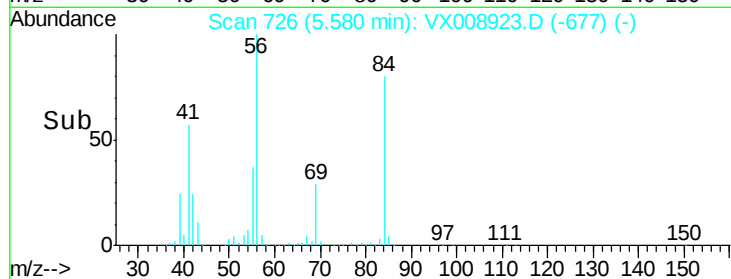
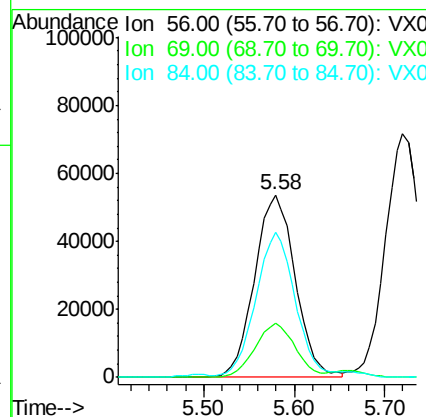
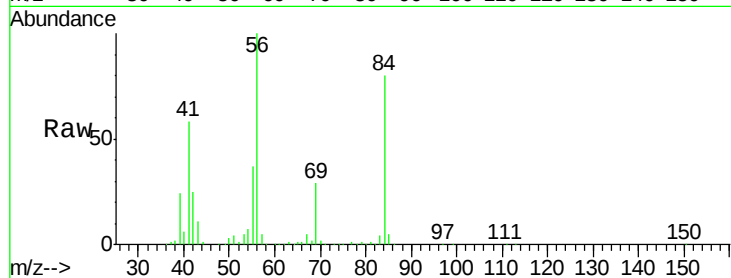
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	166483
Ion Ratio	Lower	Upper	
56	100		
69	29.5	22.6	33.8
84	78.4	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.538 ug/l

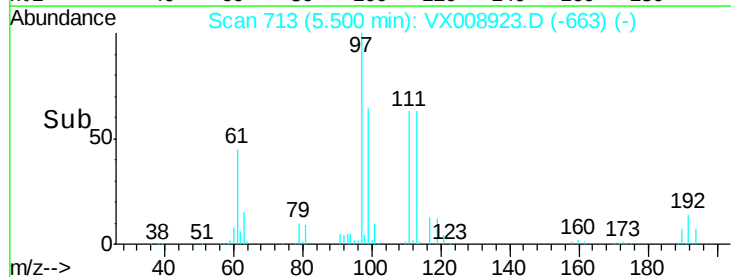
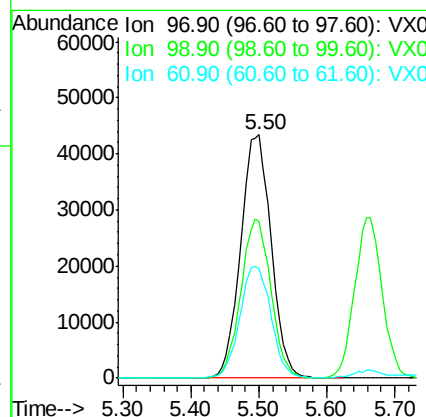
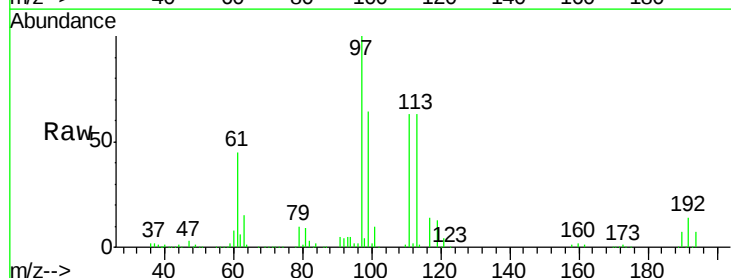
RT: 5.50 min Scan# 713

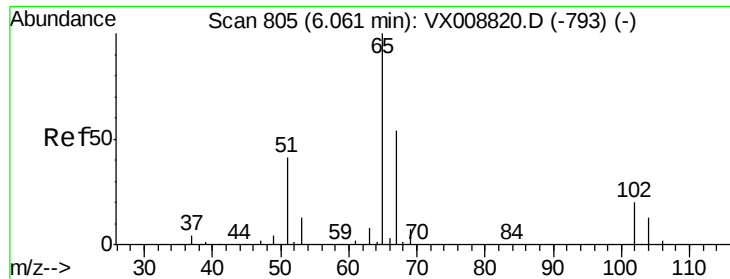
Delta R.T. 0.01 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion:	97	Resp:	135239
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.3	76.9
61	46.9	38.9	58.3





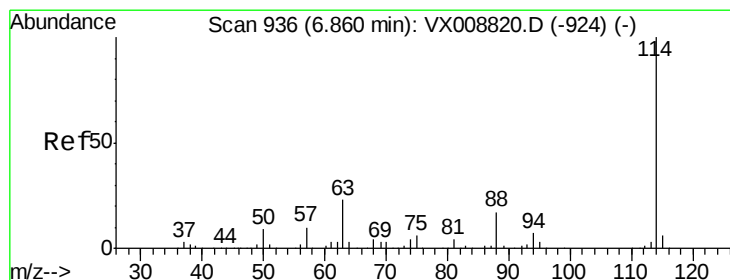
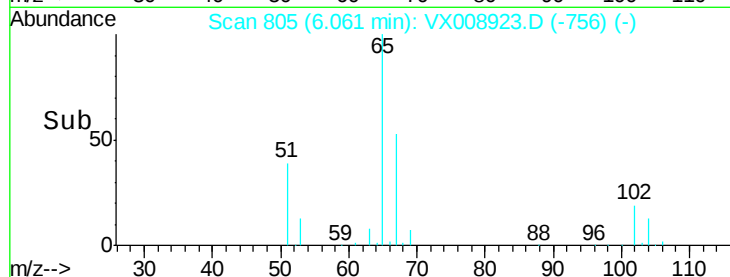
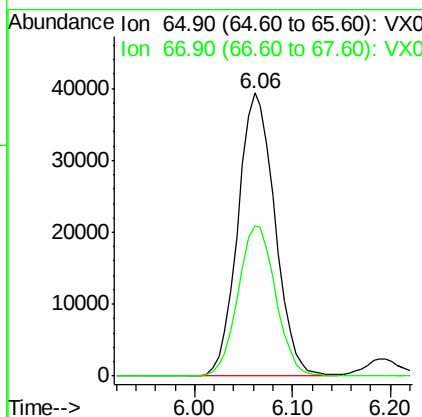
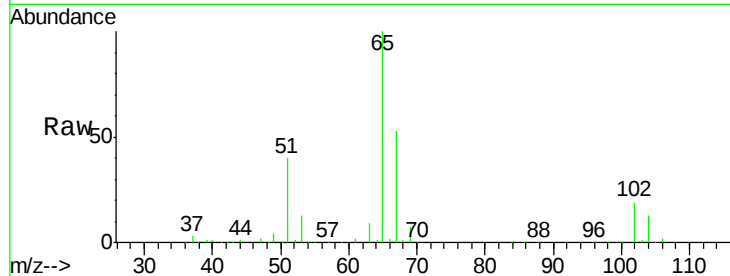
#33
 1,2-Dichloroethane-d4
 Concen: 48.226 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 103261
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2

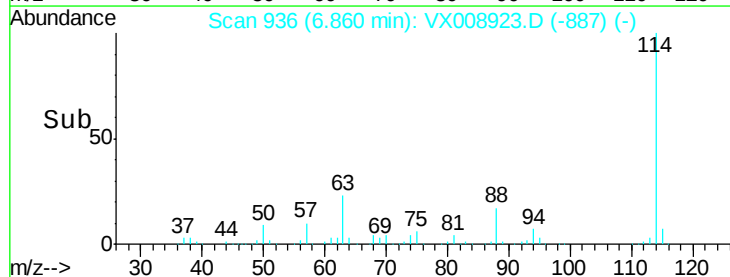
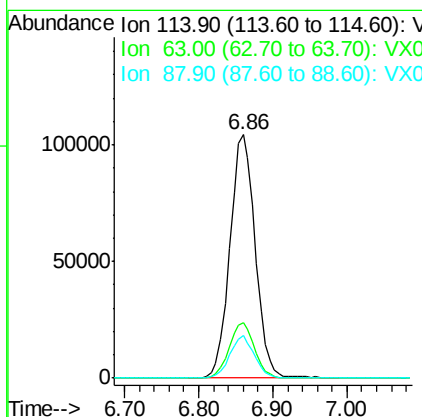
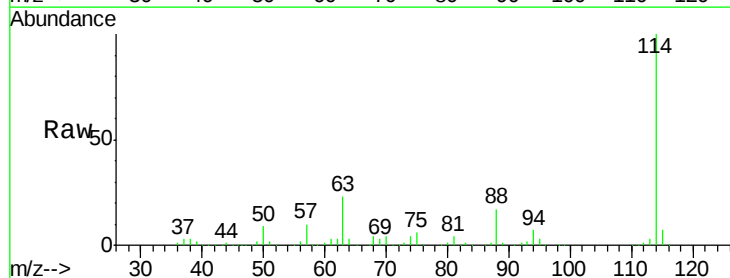
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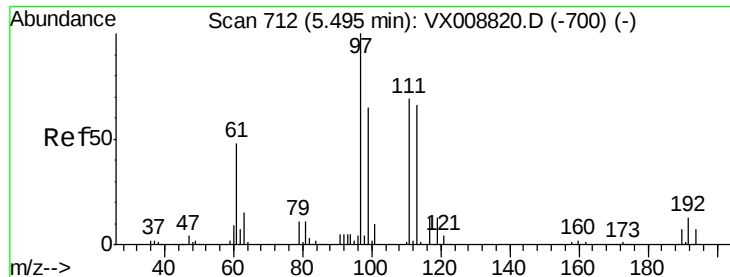
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion: 114 Resp: 247758
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 17.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.115 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

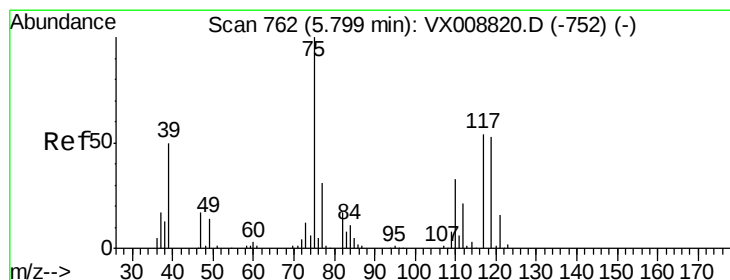
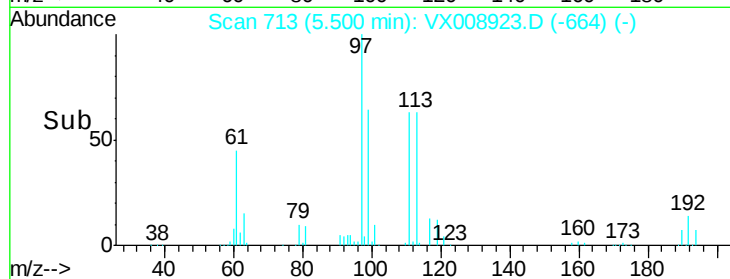
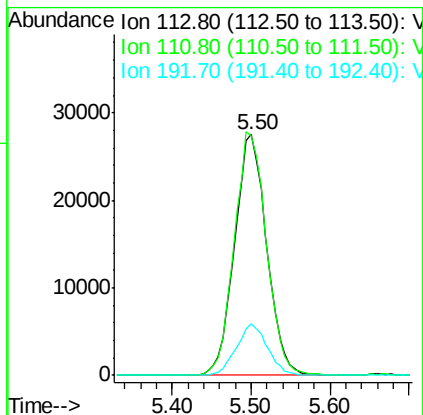
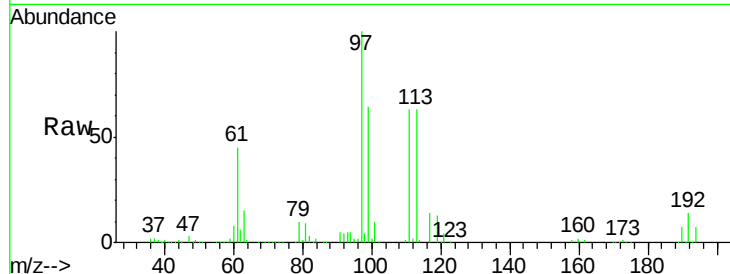
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	77801
Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.4	125.2
192	20.8	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 45.568 ug/l

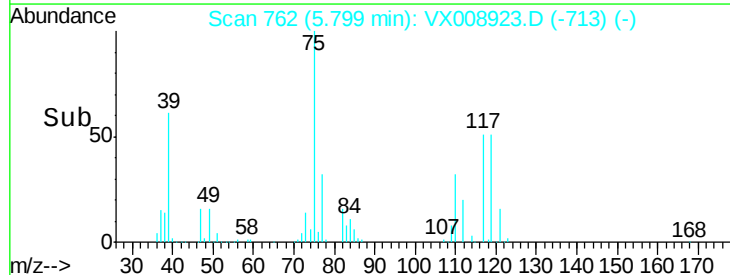
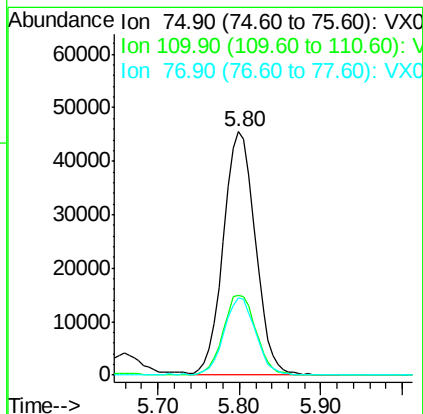
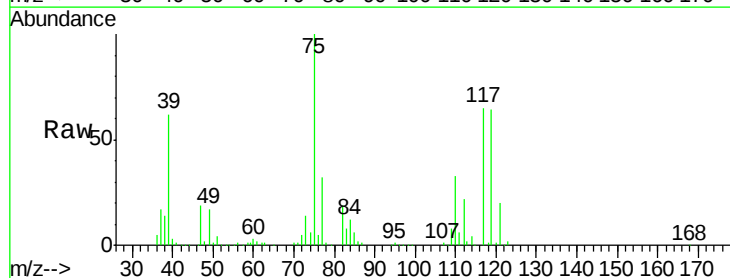
RT: 5.80 min Scan# 762

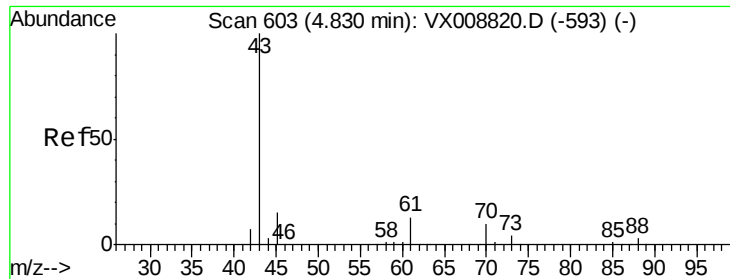
Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion:	75	Resp:	123409
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.4	49.2
77	31.1	24.7	37.1





#37

Ethyl Acetate

Concen: 51.173 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

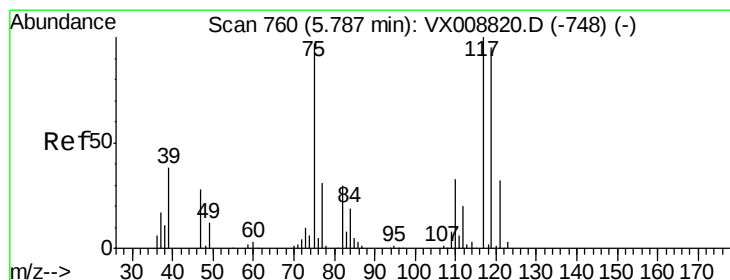
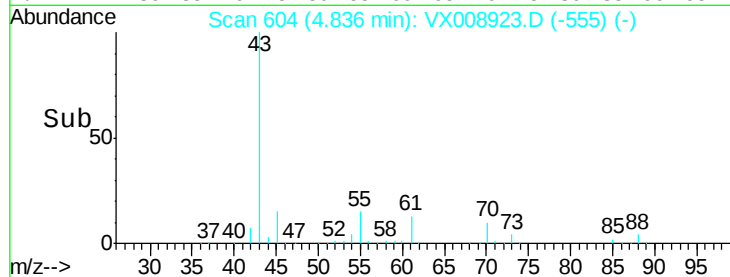
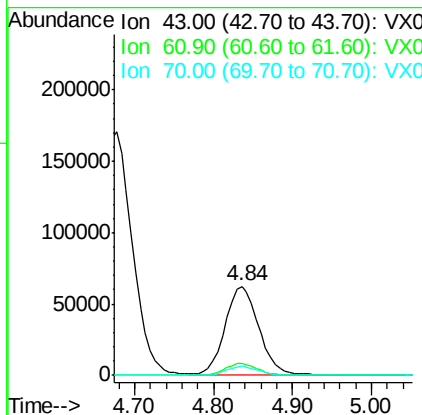
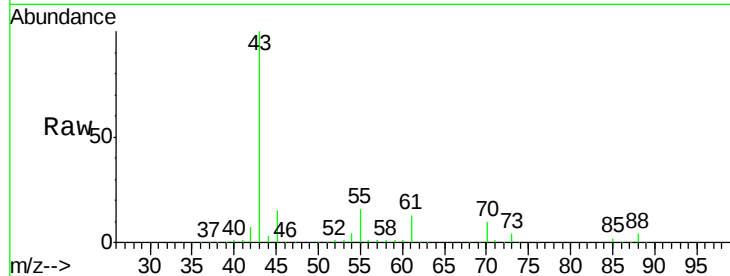
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	184988
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.8	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.087 ug/l

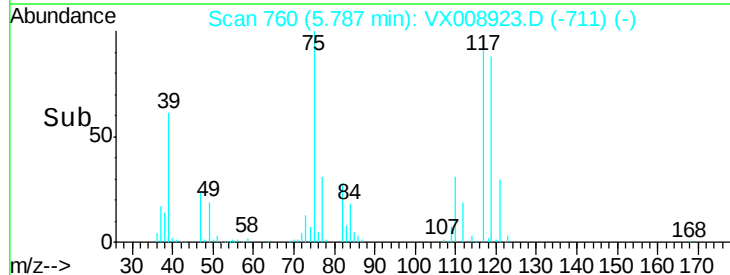
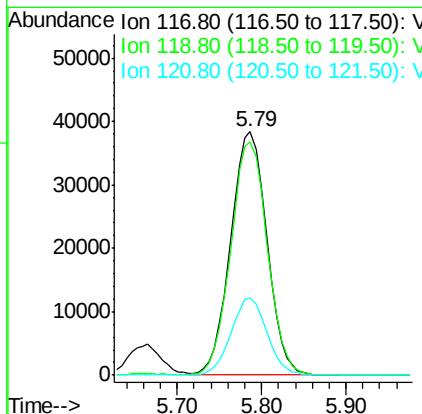
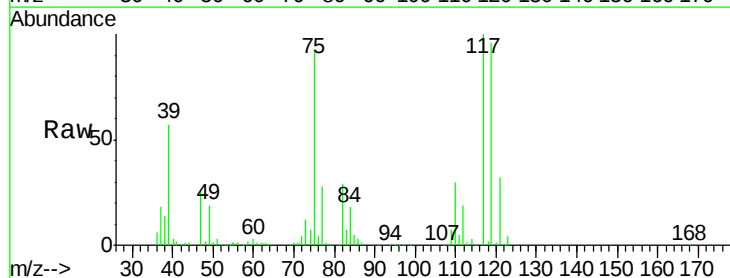
RT: 5.79 min Scan# 760

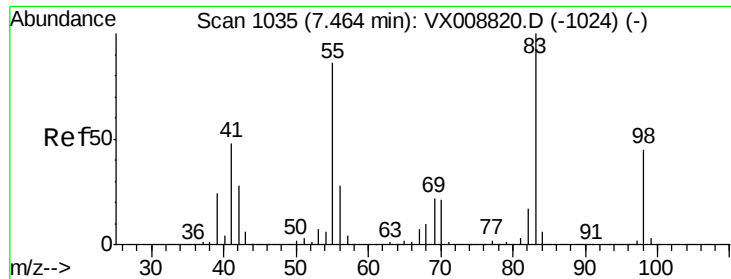
Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion:	117	Resp:	112270
Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.0	112.6
121	31.6	24.3	36.5





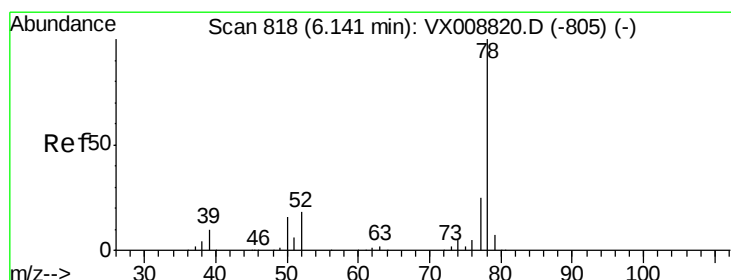
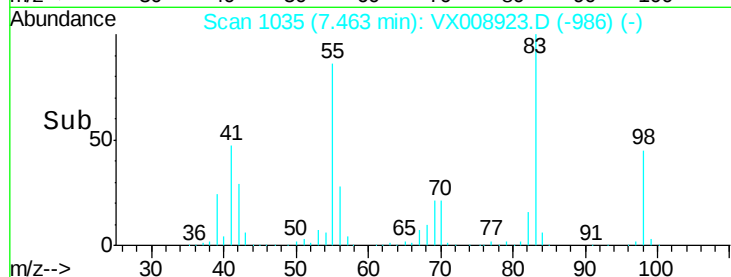
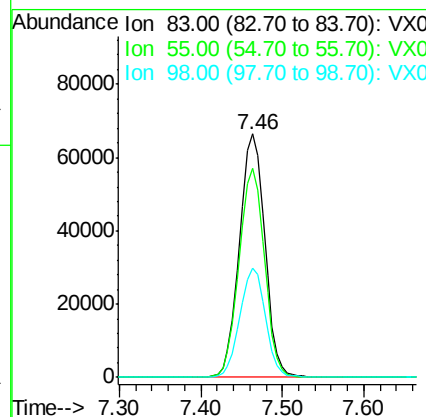
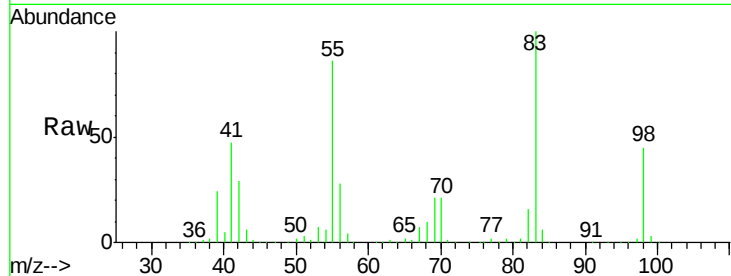
#39
Methylcyclohexane
Concen: 42.734 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.9	69.0	103.6
98	44.7	34.4	51.6

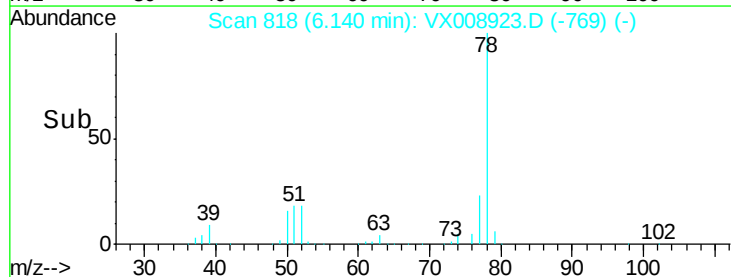
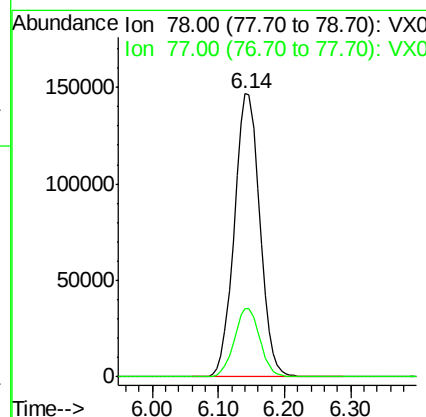
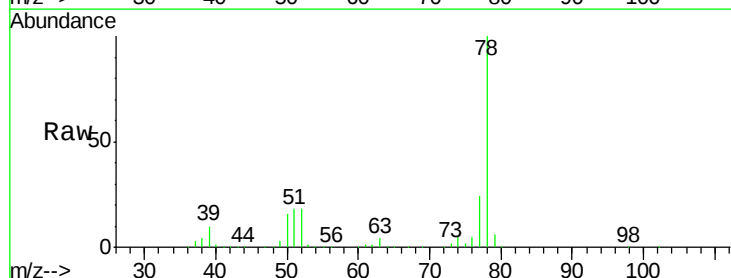
Manual Integrations
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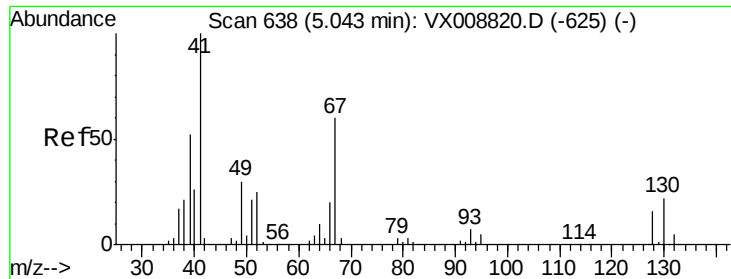
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#40
Benzene
Concen: 48.675 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





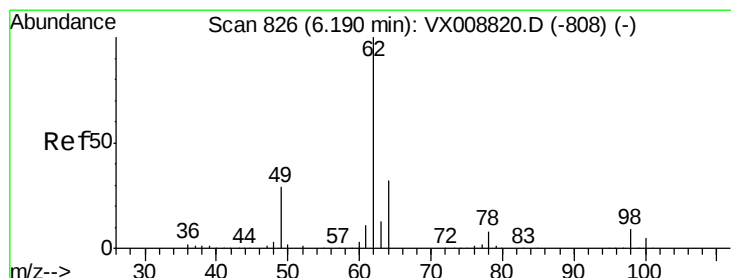
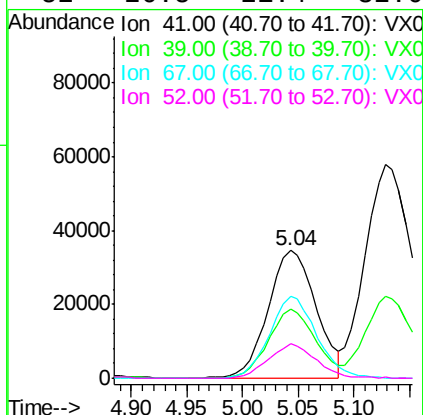
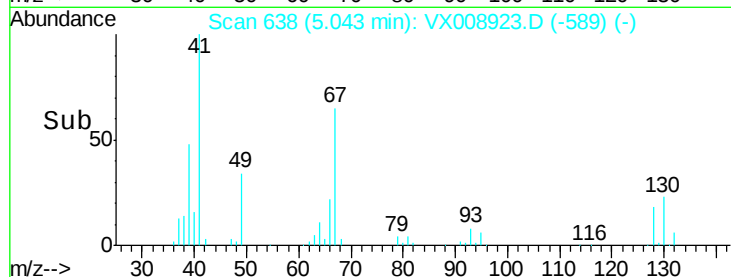
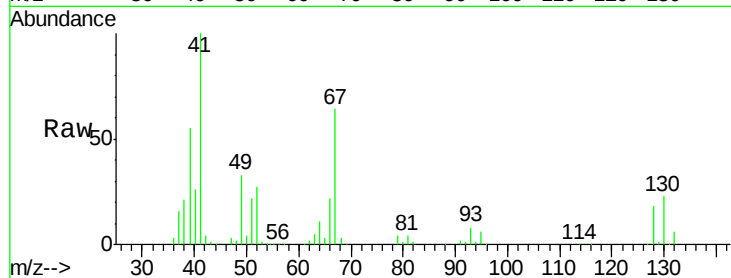
#41
Methacrylonitrile
Concen: 49.368 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.1	63.1
67	63.9	51.0	76.6
52	26.5	21.4	32.0

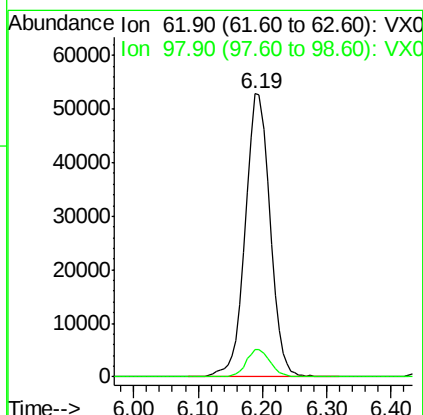
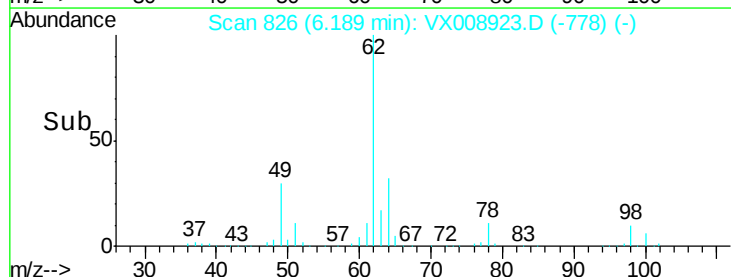
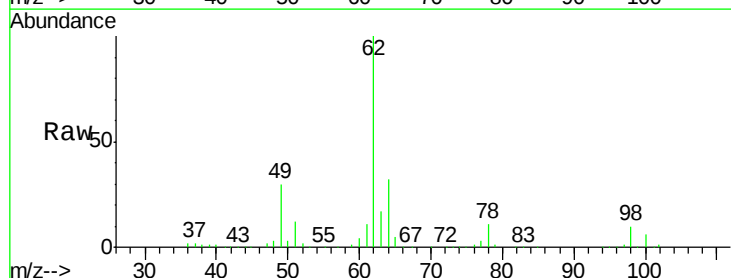
Manual Integrations
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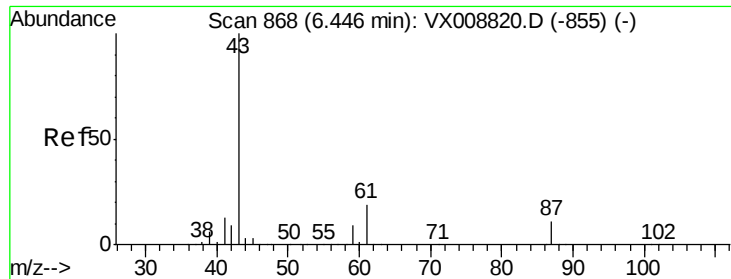
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#42
1,2-Dichloroethane
Concen: 48.319 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43

Isopropyl Acetate

Concen: 52.528 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

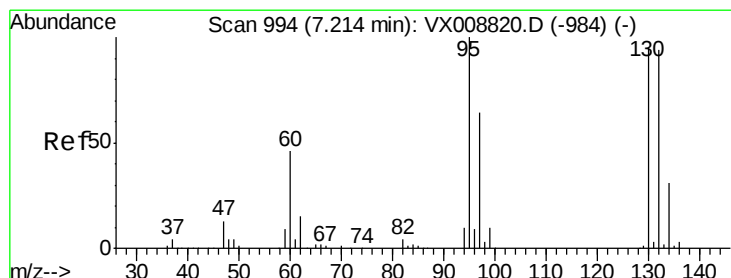
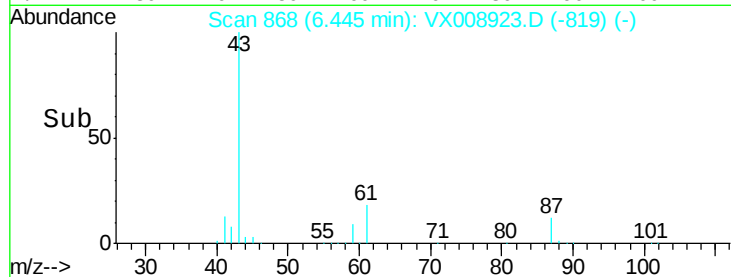
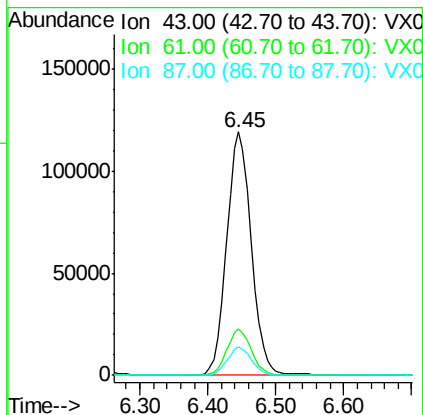
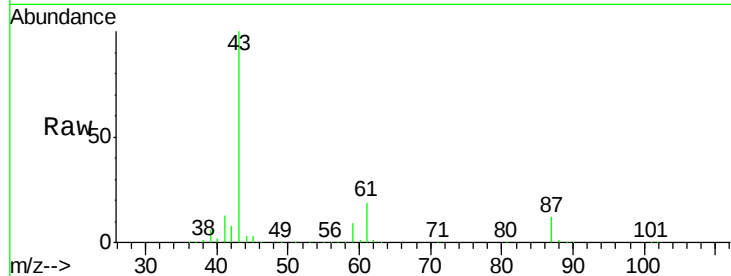
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	297454
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.7	9.0	13.6

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MMDadoda
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#44

Trichloroethene

Concen: 48.501 ug/l

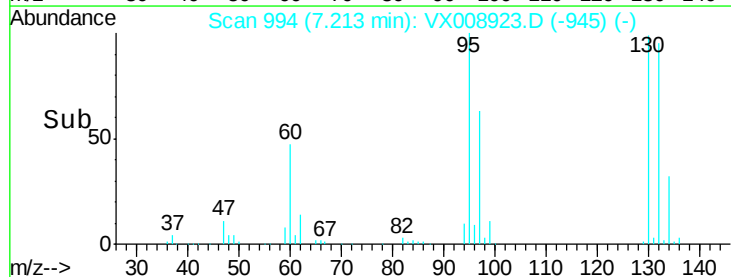
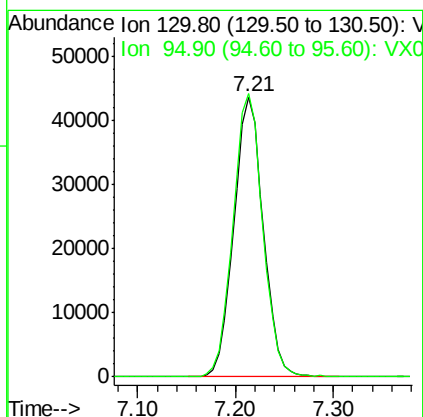
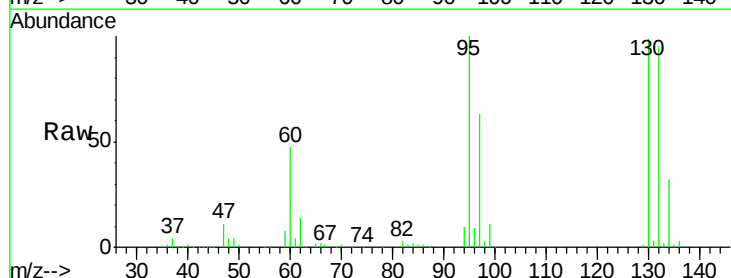
RT: 7.21 min Scan# 994

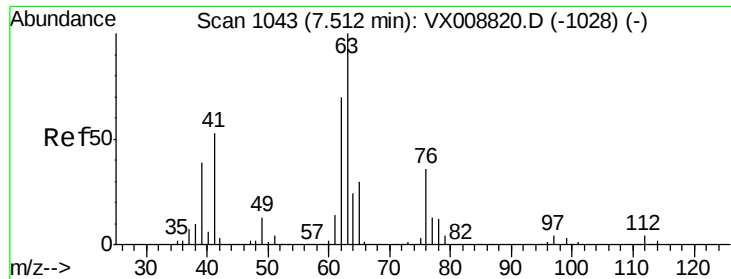
Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion:	130	Resp:	91139
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	209.8





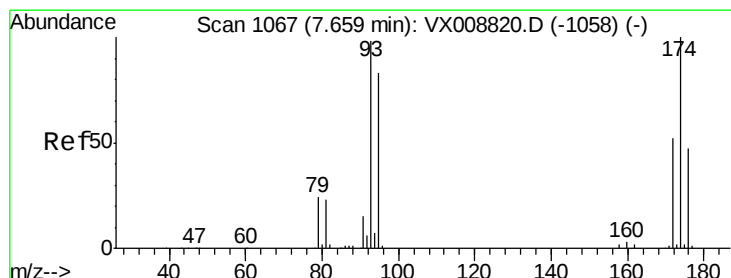
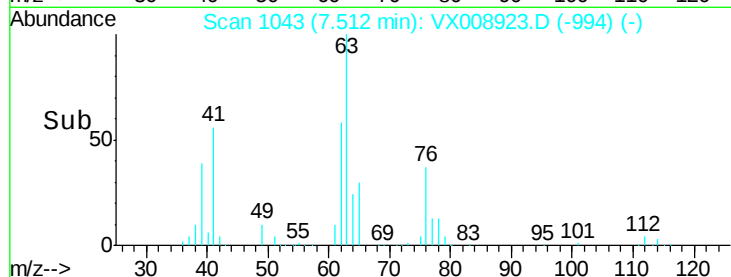
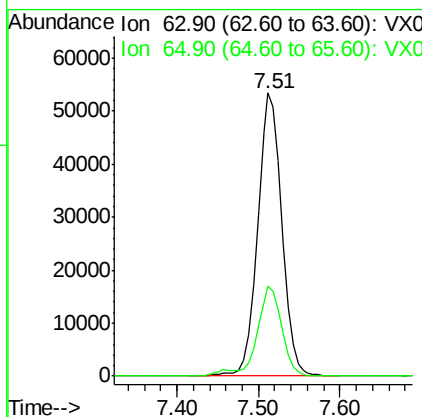
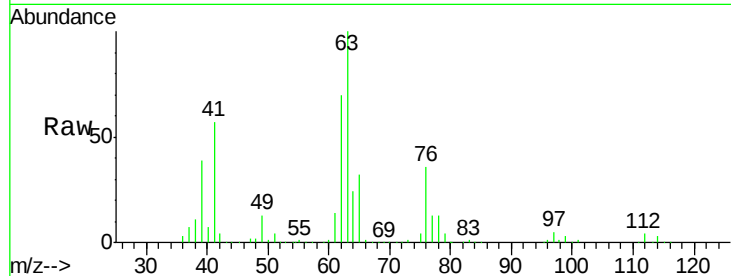
#45
 1,2-Dichloropropane
 Concen: 48.117 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 110807
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.4

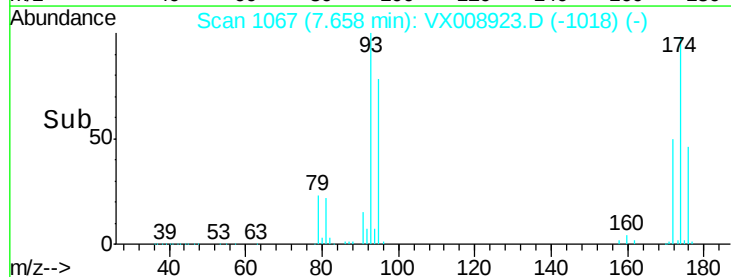
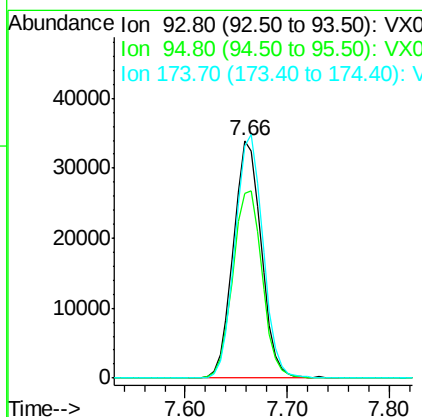
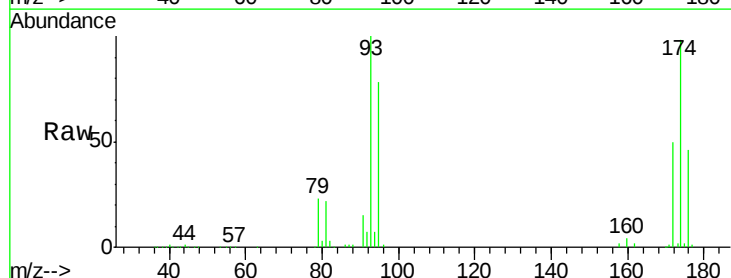
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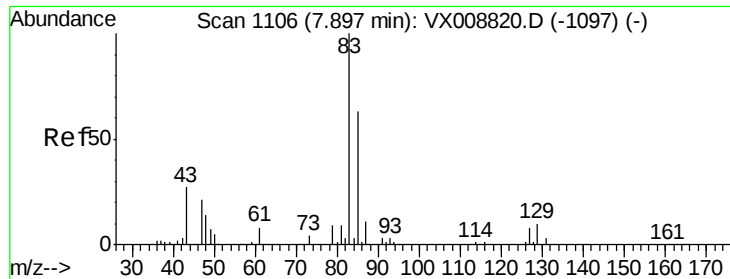
MMDadoda
 4/13/2019 2:12:58 PM



#46
 Dibromomethane
 Concen: 48.203 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion: 93 Resp: 64381
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 99.8
 174 102.7 77.7 116.5





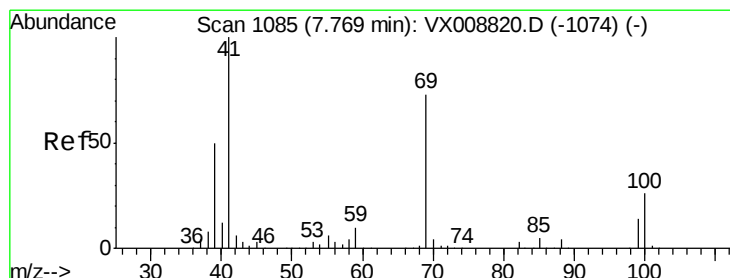
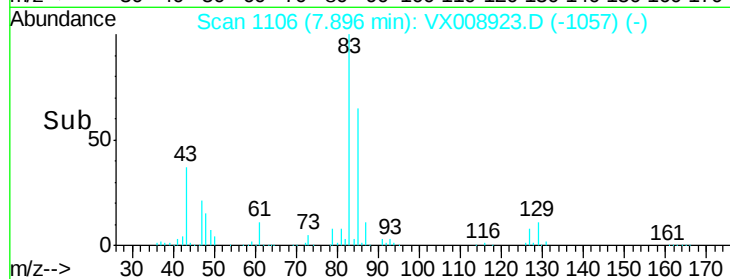
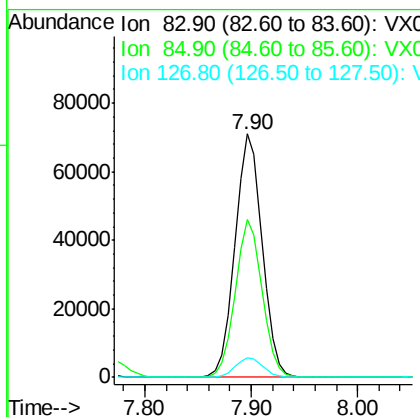
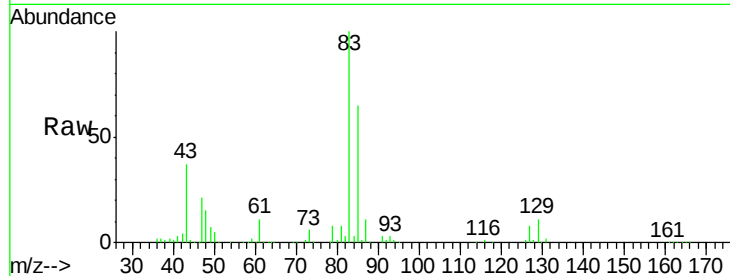
#47
Bromodichloromethane
Concen: 50.597 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.2	76.8
127	8.0	6.6	10.0

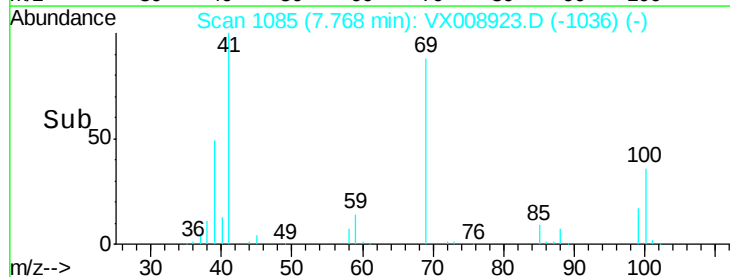
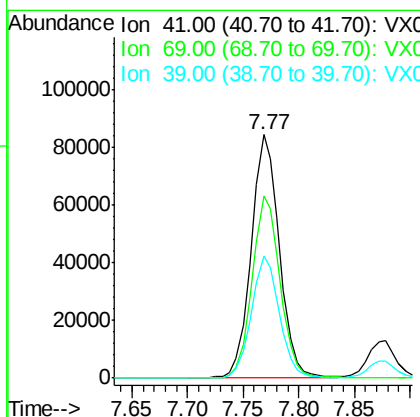
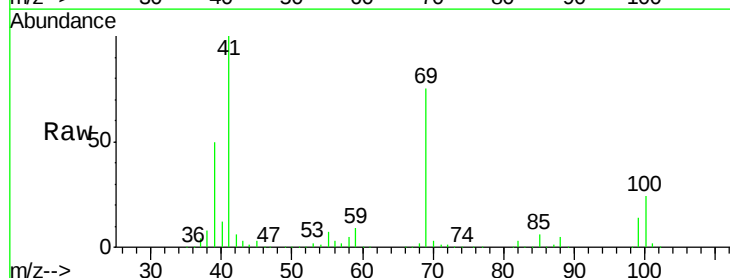
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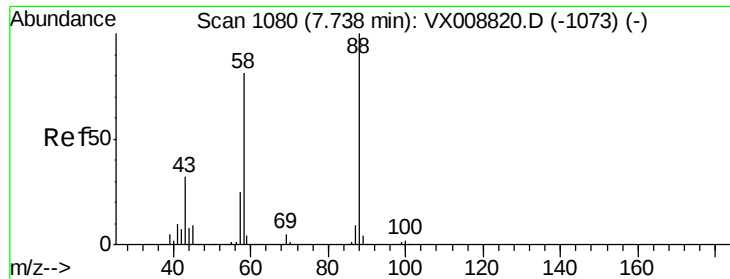
MMDadoda
4/13/2019 2:12:58 PM



#48
Methyl methacrylate
Concen: 51.601 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.0	59.0	88.4
39	49.8	41.0	61.4





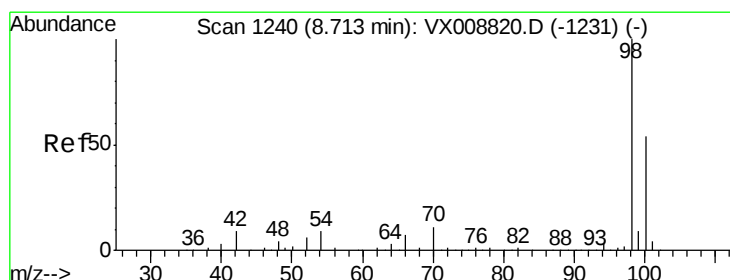
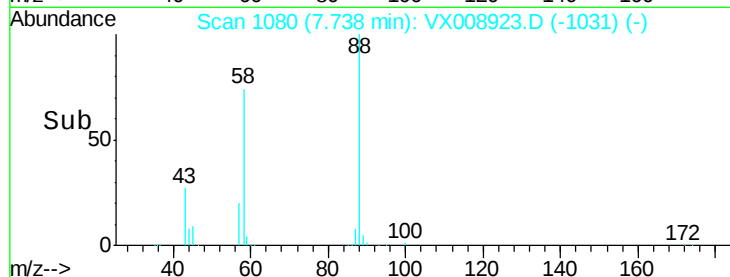
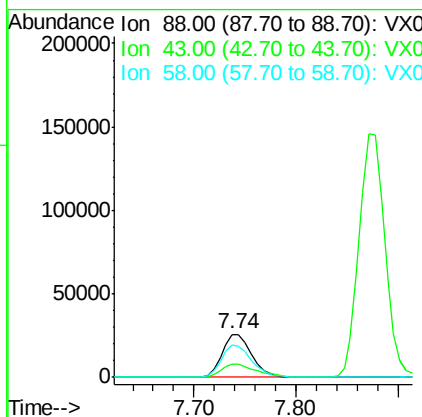
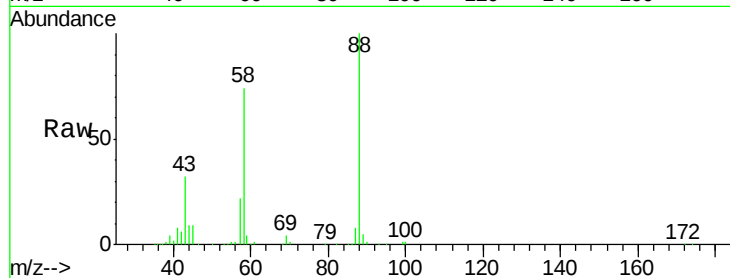
#49
1,4-Dioxane
Concen: 963.739 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	43.0
58	79.1	62.2	93.2

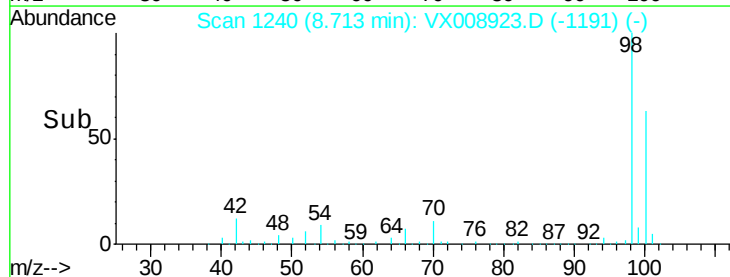
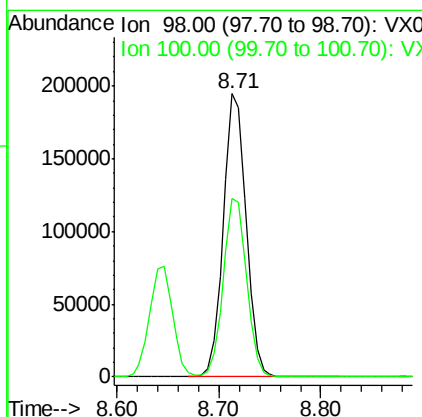
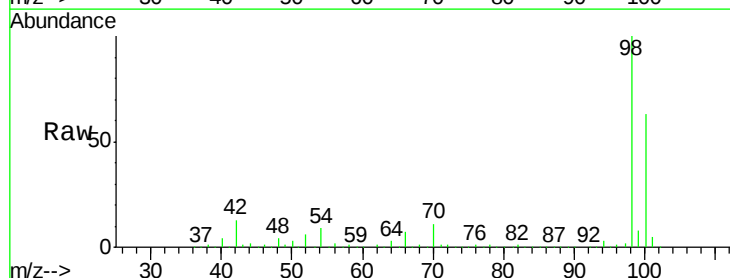
Manual Integrations
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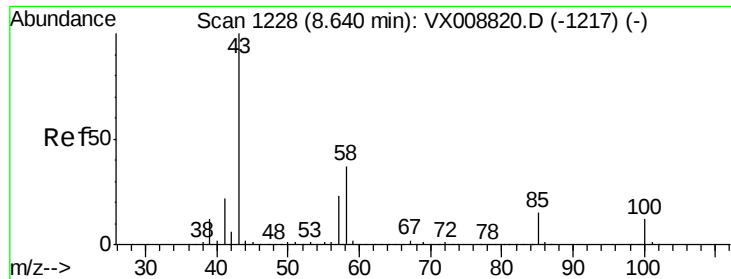
MMDadoda
4/13/2019 2:12:58 PM



#50
Toluene-d8
Concen: 47.822 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





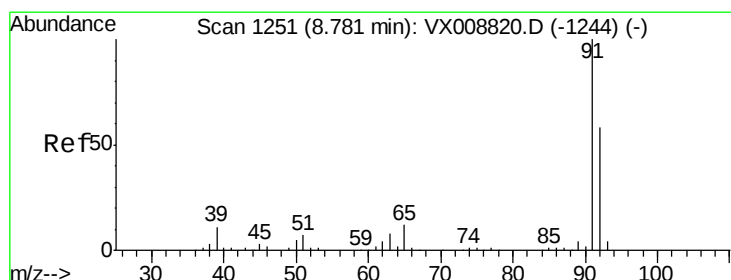
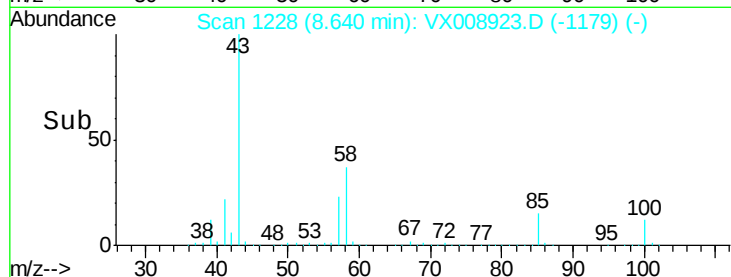
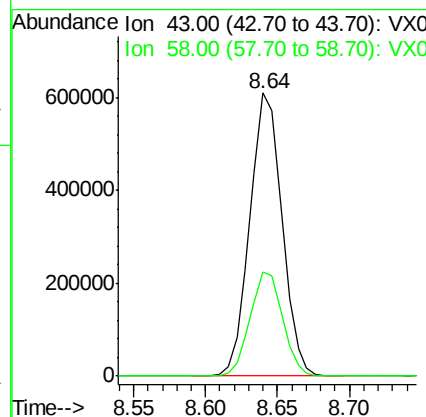
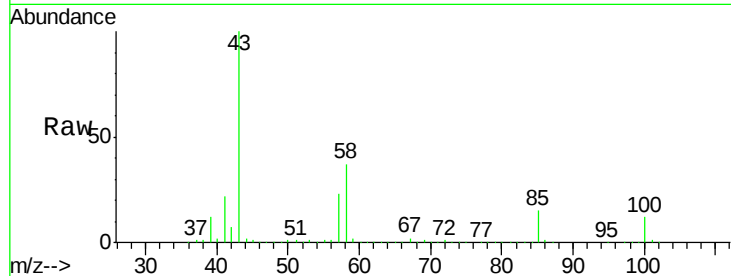
#51
4-Methyl-2-Pentanone
Concen: 258.733 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 943175
Ion Ratio Lower Upper
43 100
58 37.4 29.5 44.3

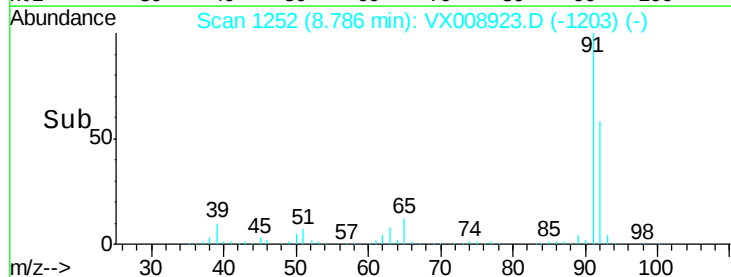
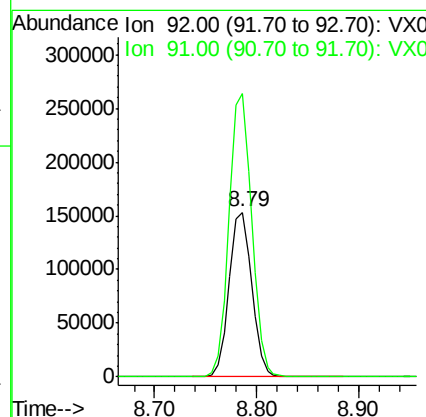
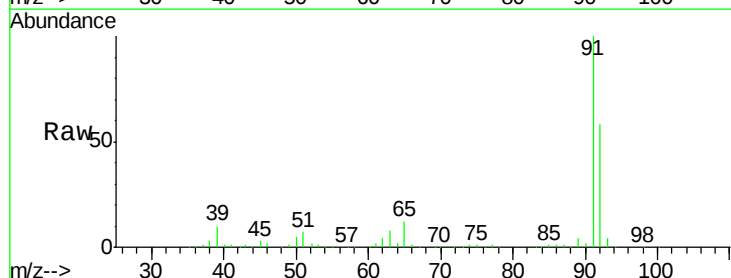
Manual Integrations
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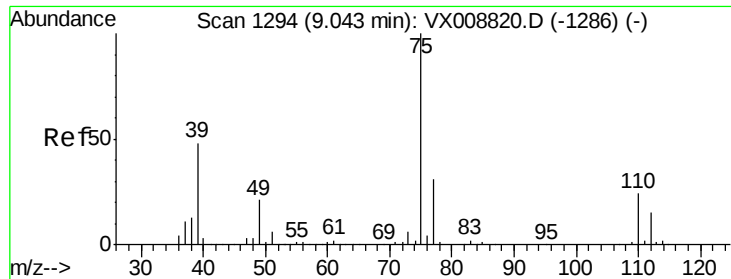
MMDadoda
4/13/2019 2:12:58 PM



#52
Toluene
Concen: 49.716 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 92 Resp: 236482
Ion Ratio Lower Upper
92 100
91 171.8 138.5 207.7





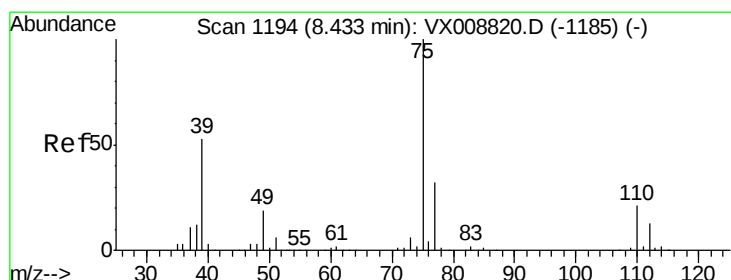
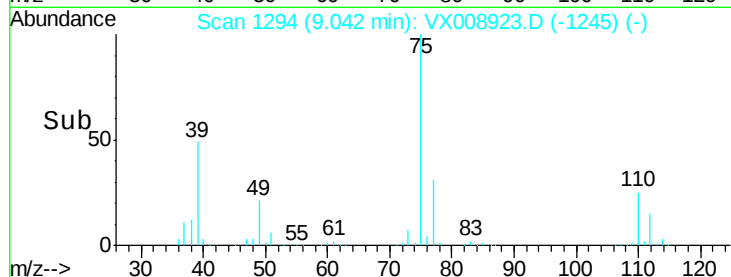
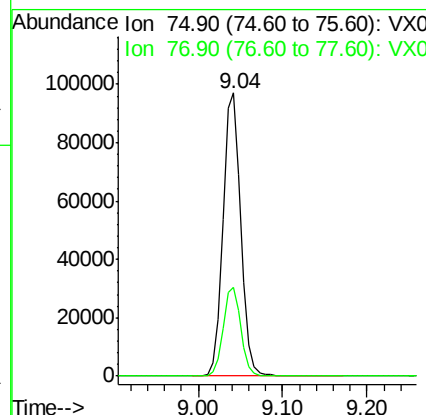
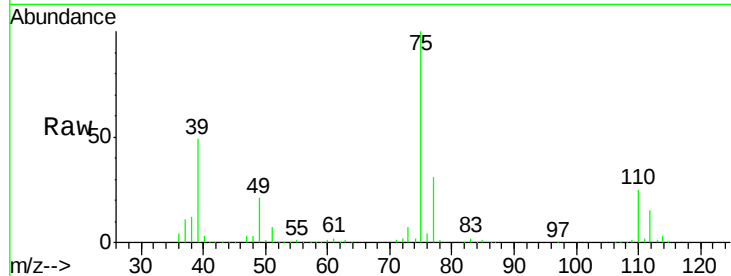
#53
t-1,3-Dichloropropene
Concen: 50.095 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 141315
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

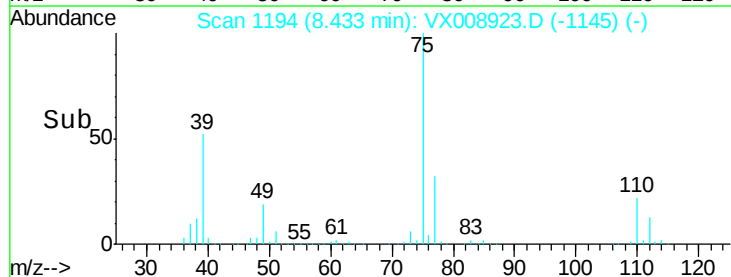
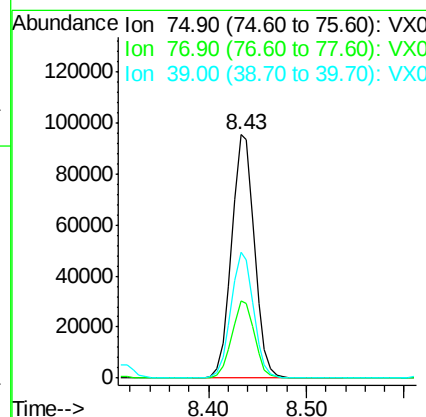
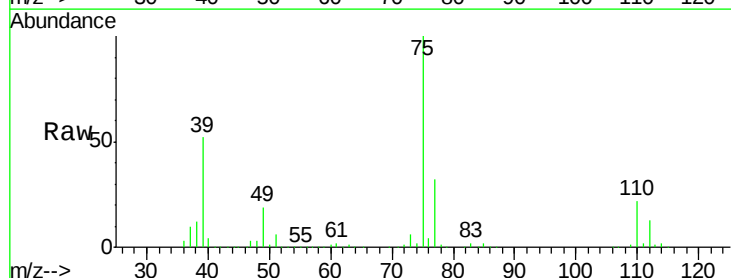
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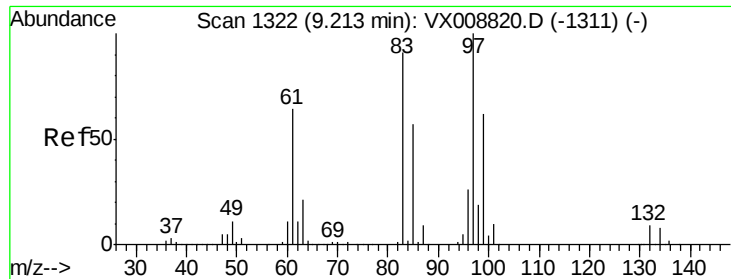
MMDadoda
4/13/2019 2:12:58 PM



#54
cis-1,3-Dichloropropene
Concen: 47.919 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 75 Resp: 154458
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 51.6 42.6 63.8





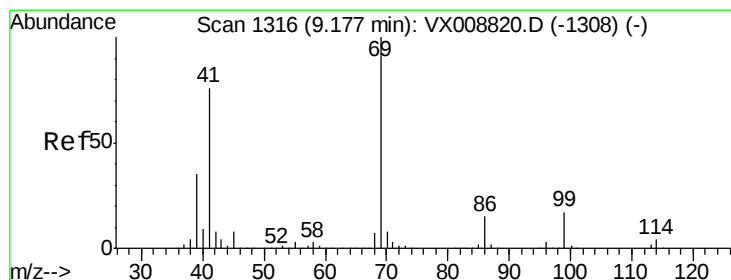
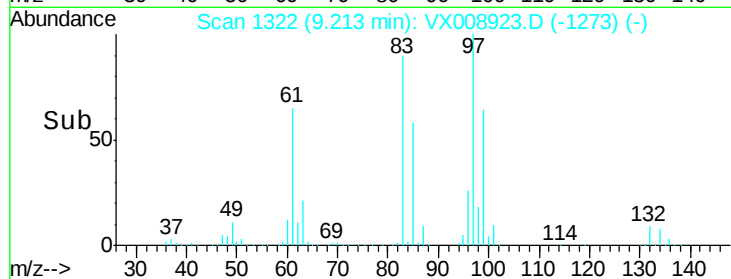
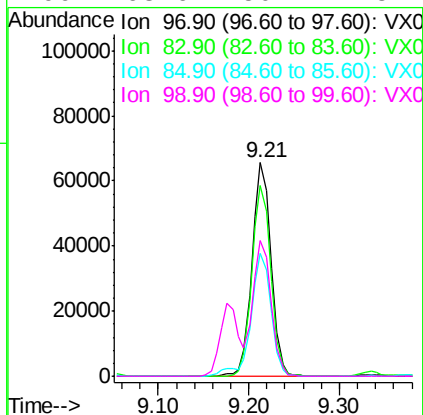
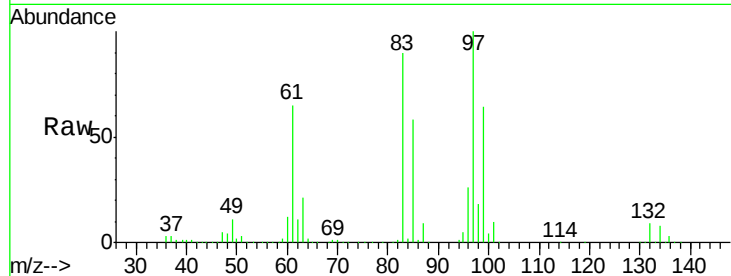
#55
 1,1,2-Trichloroethane
 Concen: 49.948 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
97	100		
83	89.6	73.2	109.8
85	57.6	46.6	69.8
99	63.6	50.1	75.1

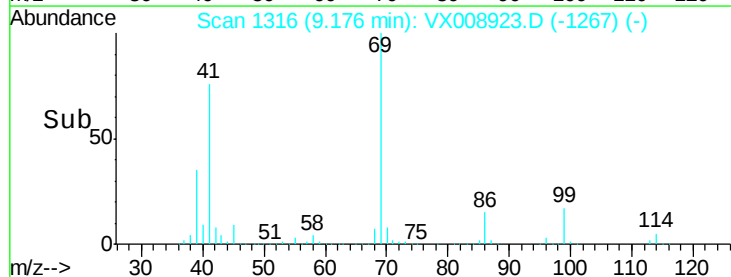
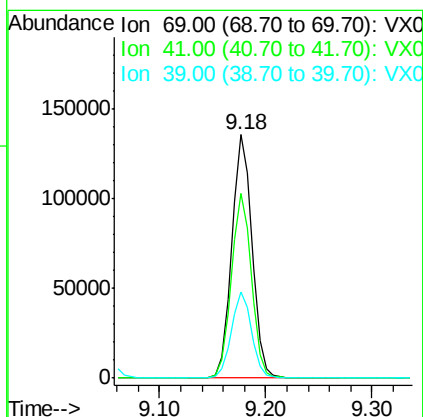
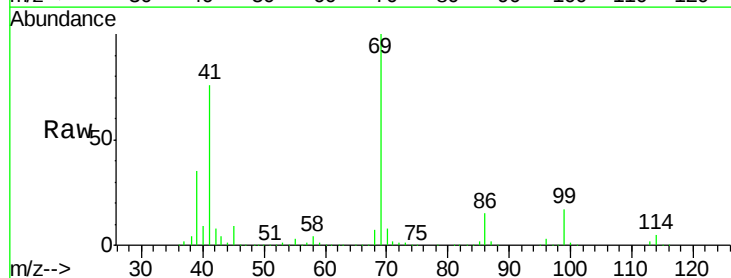
Manual Integrations
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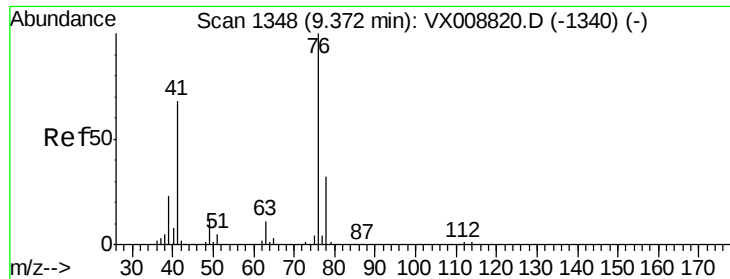
MMDadoda
 4/13/2019 2:12:58 PM



#56
 Ethyl methacrylate
 Concen: 52.572 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion	Resp	Lower	Upper
69	100		
41	75.0	60.1	90.1
39	35.0	28.9	43.3





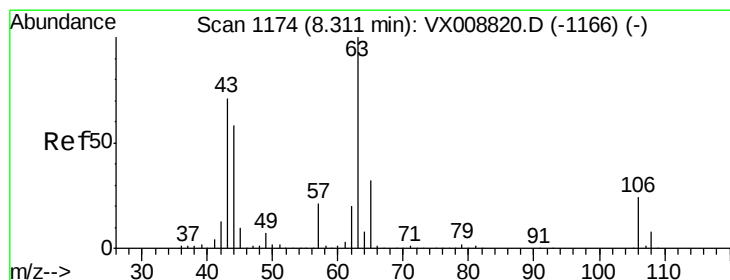
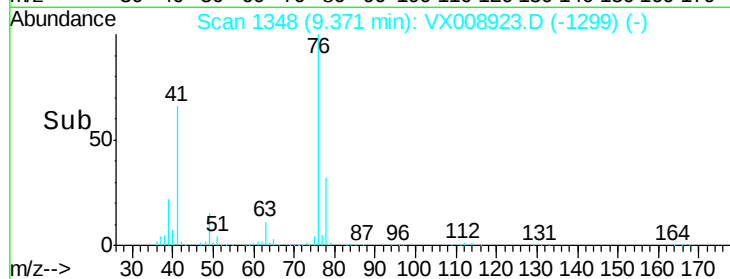
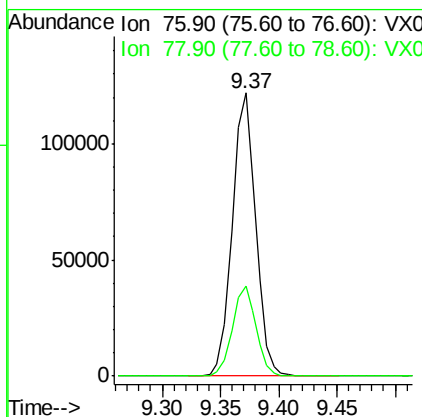
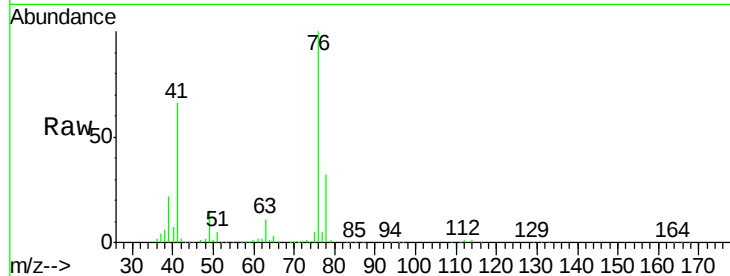
#57
 1,3-Dichloropropane
 Concen: 49.776 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 170657
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

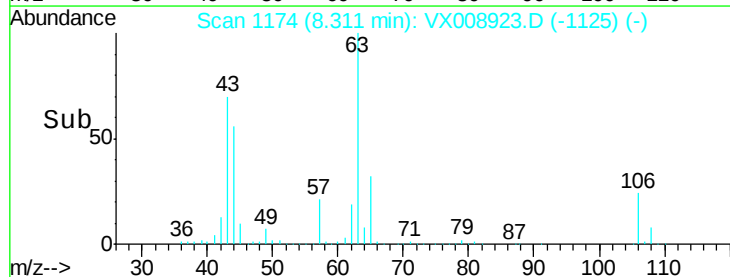
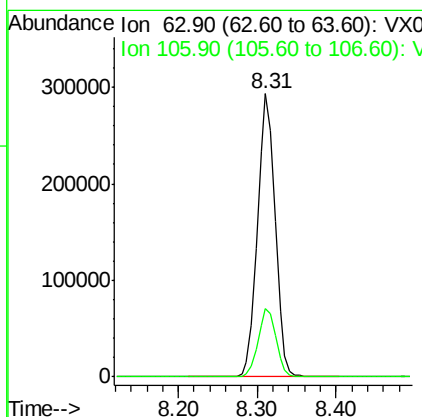
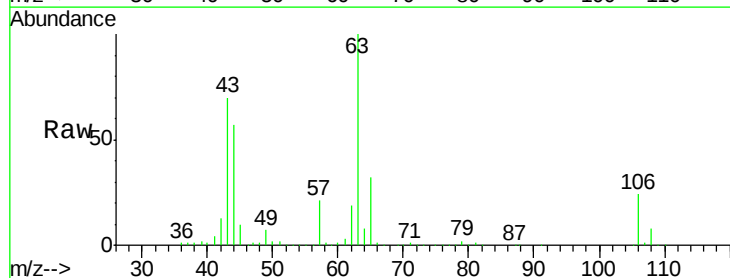
Manual Integrations
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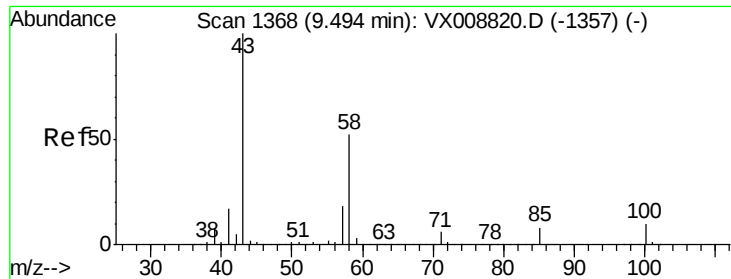
MMDadoda
 4/13/2019 2:12:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.489 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion: 63 Resp: 457736
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.0 28.6





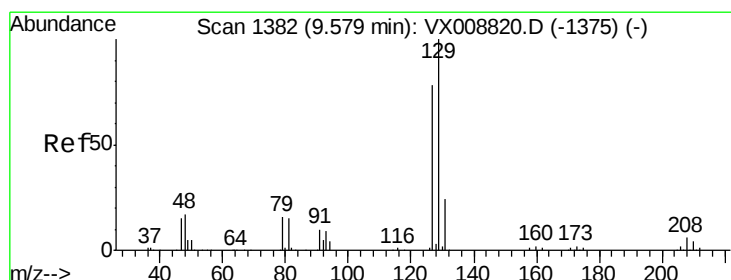
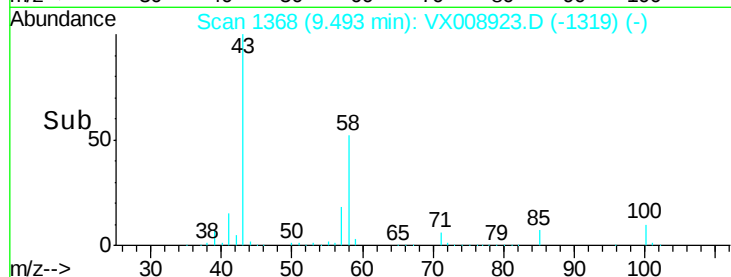
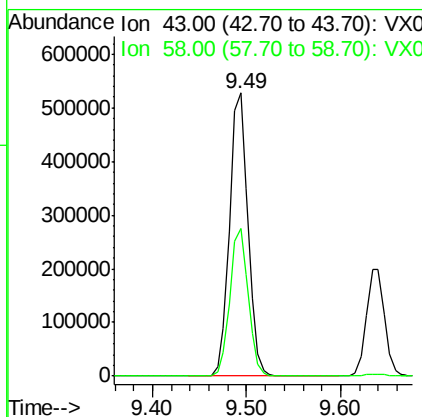
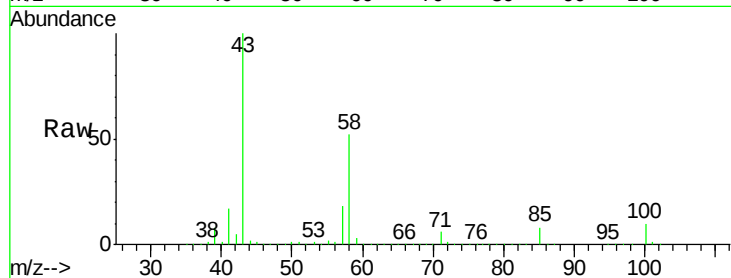
#59
2-Hexanone
Concen: 252.726 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 715968
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.7

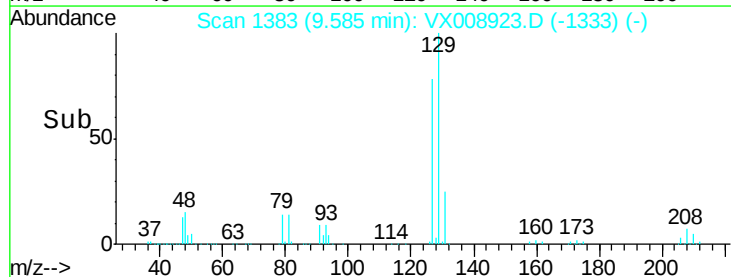
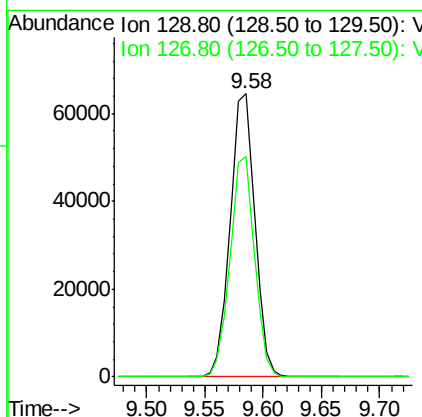
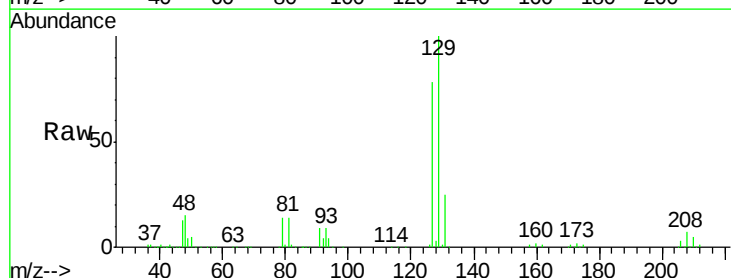
Manual Integrations
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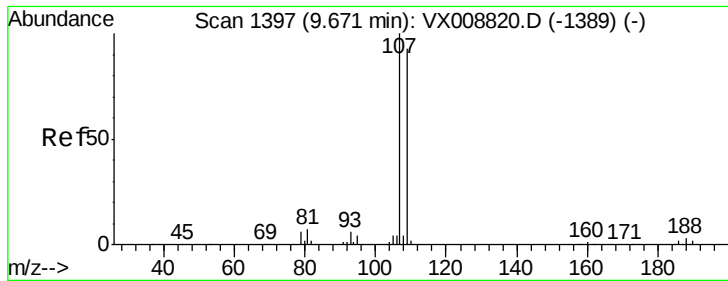
MMDadoda
4/13/2019 2:12:58 PM



#60
Dibromochloromethane
Concen: 53.454 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 129 Resp: 96175
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.389 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 100158

Ion Ratio Lower Upper

107 100

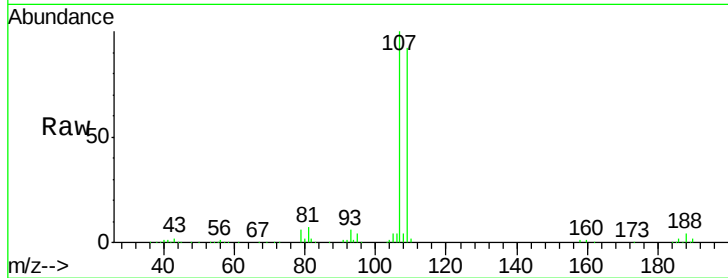
109 93.9 74.1 111.1

Manual Integrations

APPROVED

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4/13/2019 2:12:58 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

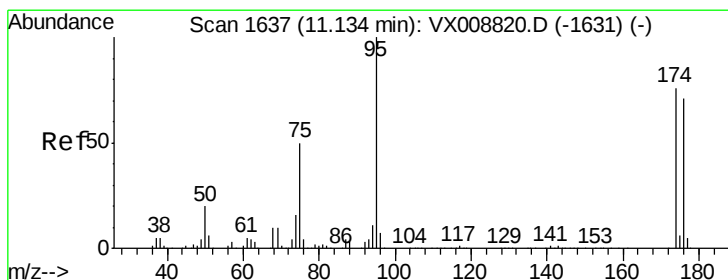
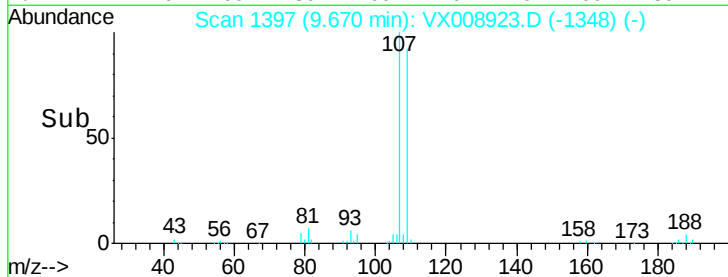
40000

20000

0

9.55 9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 49.205 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

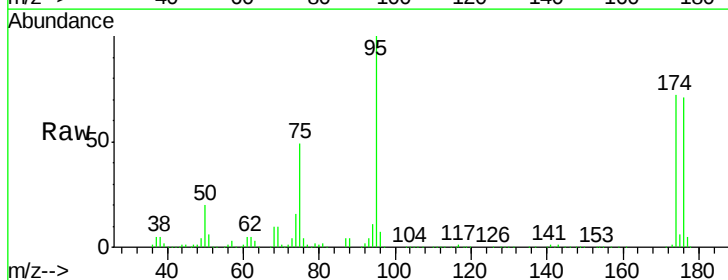
Tgt Ion: 95 Resp: 110056

Ion Ratio Lower Upper

95 100

174 80.4 0.0 151.8

176 77.5 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

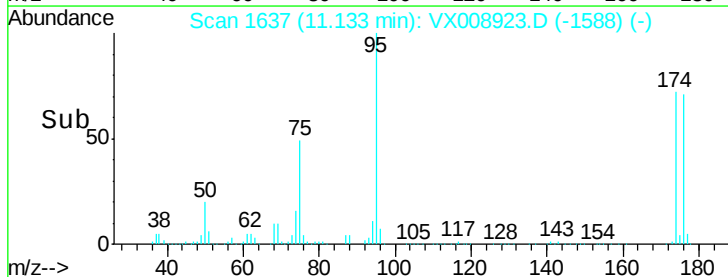
40000

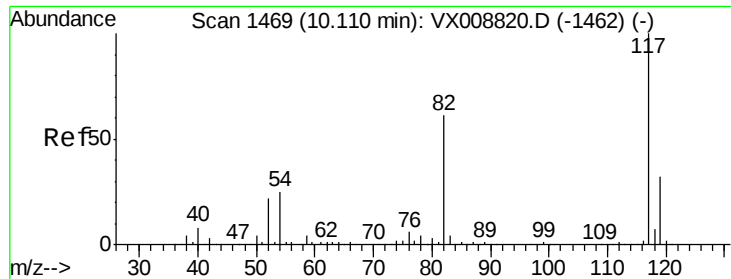
20000

0

11.10 11.13 11.16 11.19 11.22

Time-->





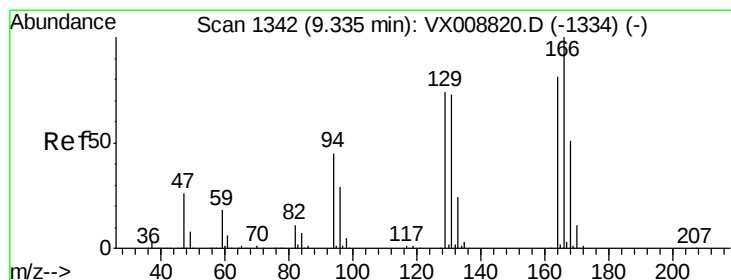
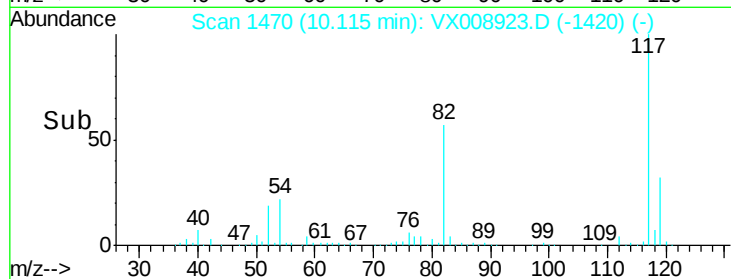
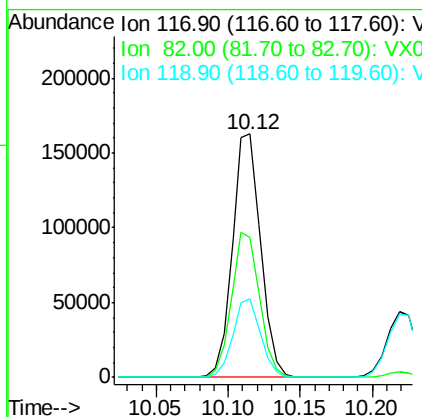
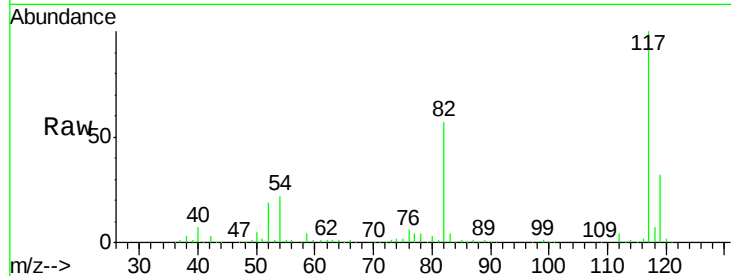
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	222548		
82	57.2	49.6	74.4	
119	32.0	25.0	37.4	

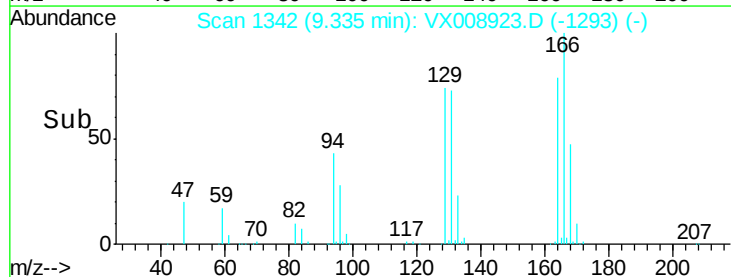
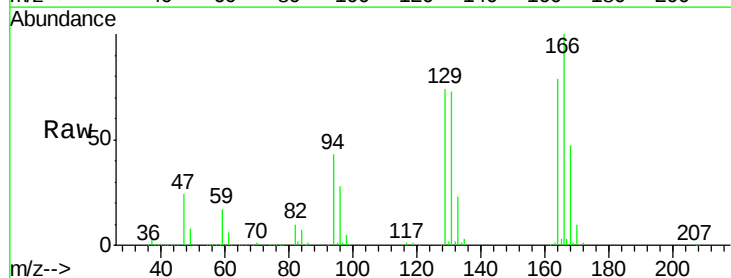
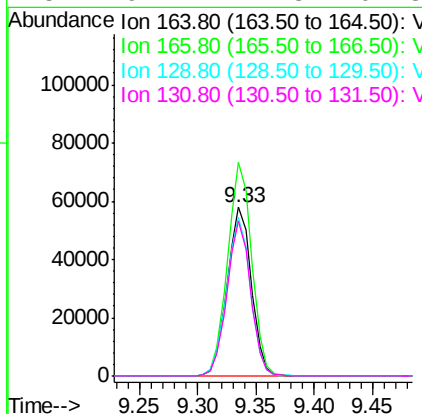
Manual Integrations
APPROVED

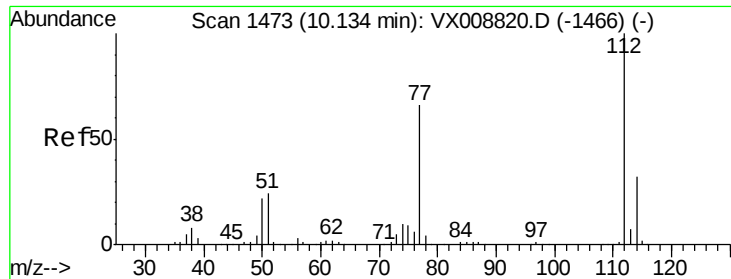
MMDadoda
4/13/2019 2:12:58 PM



#64
Tetrachloroethene
Concen: 50.845 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83835		
166	126.6	101.0	151.6	
129	94.0	75.8	113.8	
131	92.2	71.8	107.8	





#65

Chlorobenzene

Concen: 48.652 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 240008

Ion Ratio Lower Upper

112 100

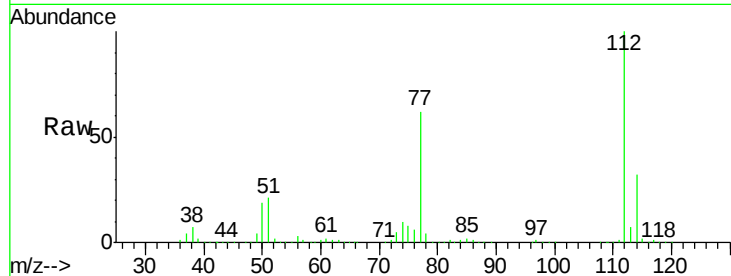
114 31.9 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

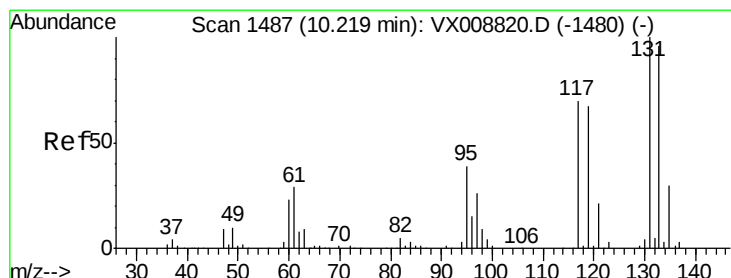
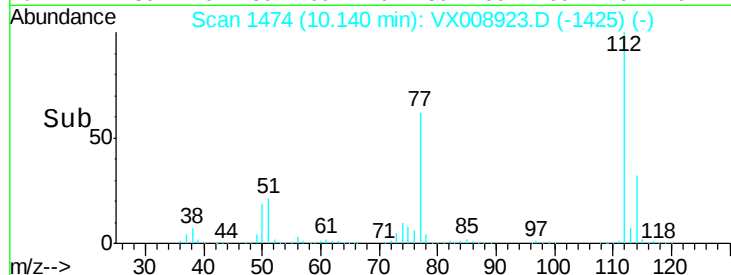
100000

50000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.960 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

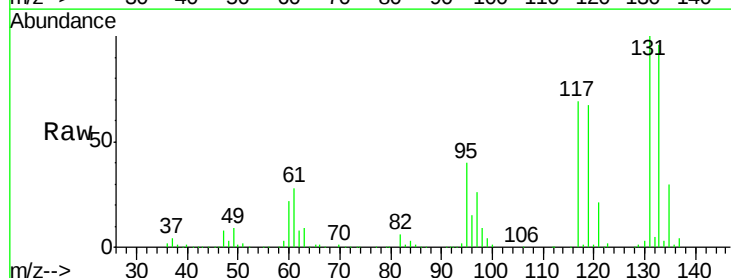
Tgt Ion:131 Resp: 88194

Ion Ratio Lower Upper

131 100

133 95.5 47.0 141.2

119 67.7 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

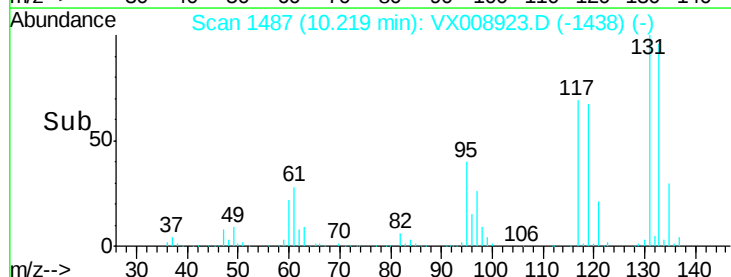
40000

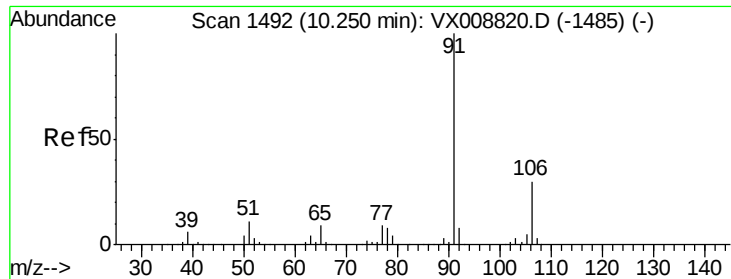
20000

0

10.15 10.20 10.25 10.30

Time-->





#67

Ethyl Benzene

Concen: 47.930 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 440896

Ion Ratio Lower Upper

91 100

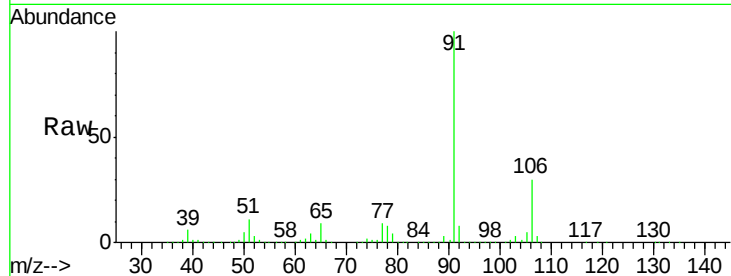
106 30.0 23.7 35.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX008820.D (-1485) (-)

500000

400000

300000

200000

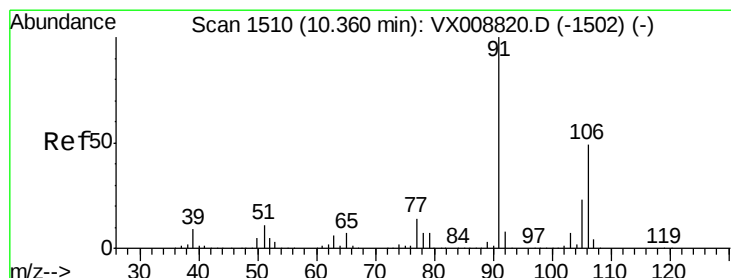
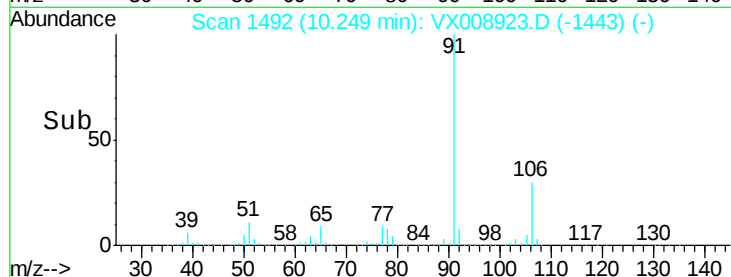
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 97.117 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008923.D

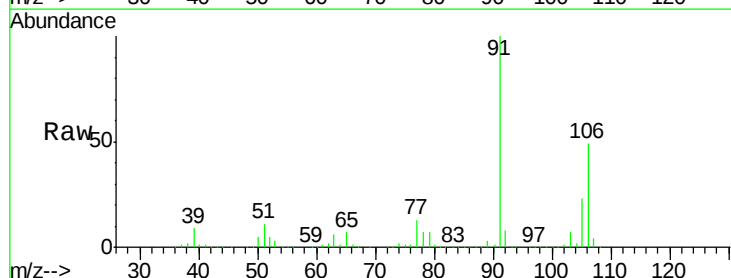
Acq: 13 Apr 2019 06:18

Tgt Ion: 106 Resp: 321209

Ion Ratio Lower Upper

106 100

91 207.9 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): VX008820.D (-1502) (-)

Ion 91.00 (90.70 to 91.70): VX008820.D (-1502) (-)

500000

400000

300000

200000

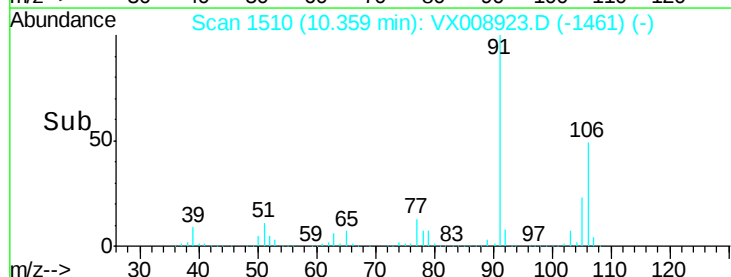
100000

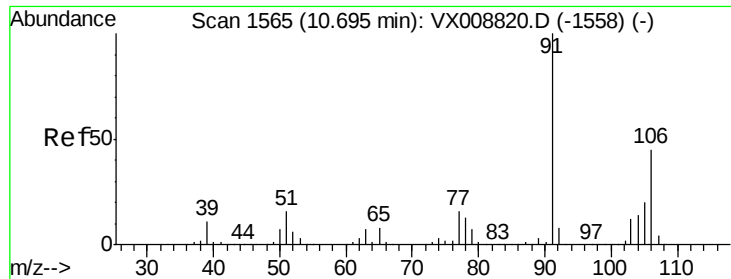
0

10.30

10.40

Time-->





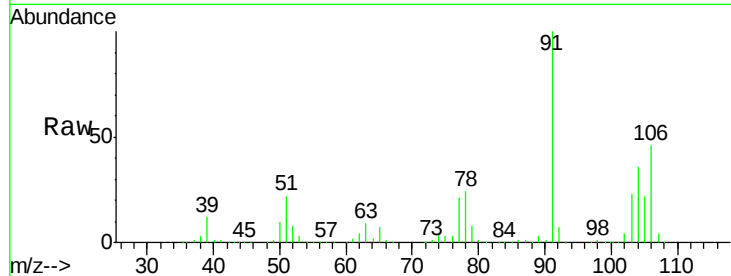
#69
o-Xylene
Concen: 48.734 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

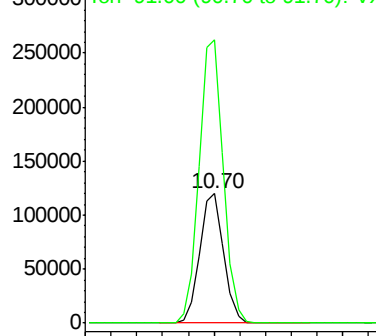
Tgt Ion:106 Resp: 156206
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.4

Manual Integrations
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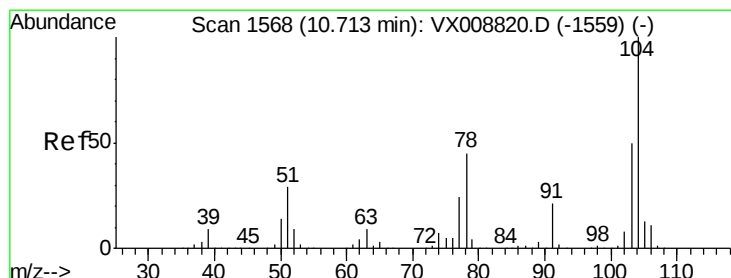
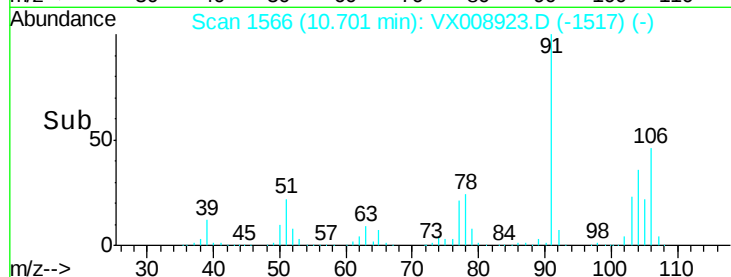
MMDadoda
4/13/2019 2:12:58 PM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

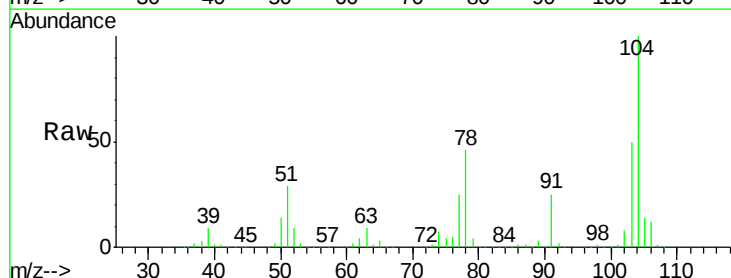


Time--> 10.60 10.70 10.80

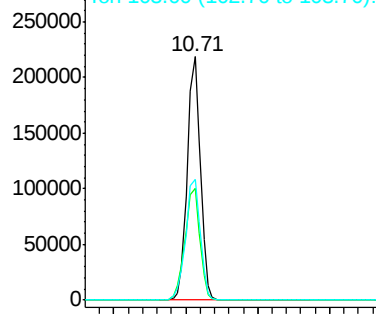


#70
Styrene
Concen: 49.976 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

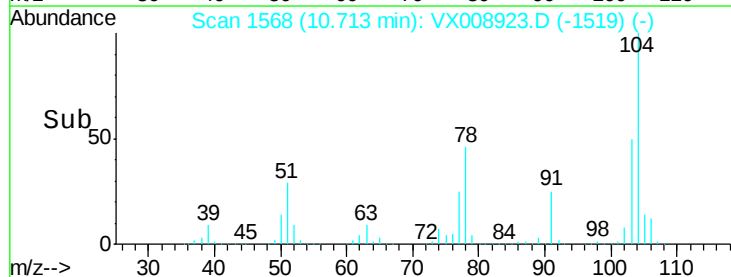
Tgt Ion:104 Resp: 276123
Ion Ratio Lower Upper
104 100
78 52.2 42.3 63.5
103 55.4 44.4 66.6

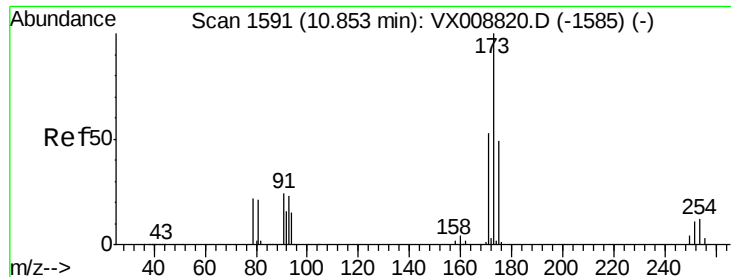


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80 10.90





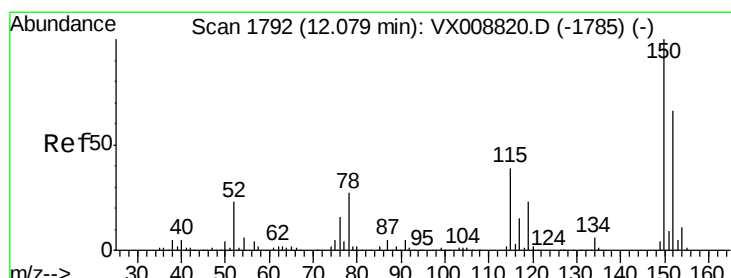
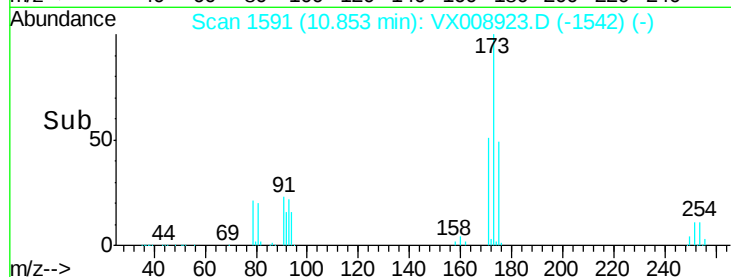
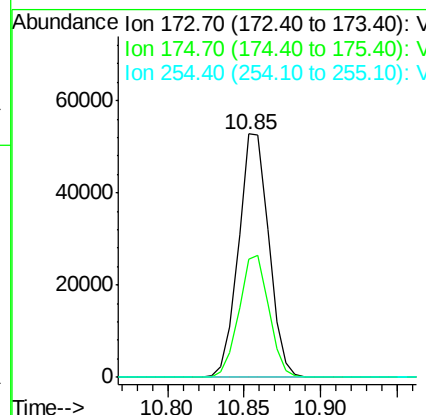
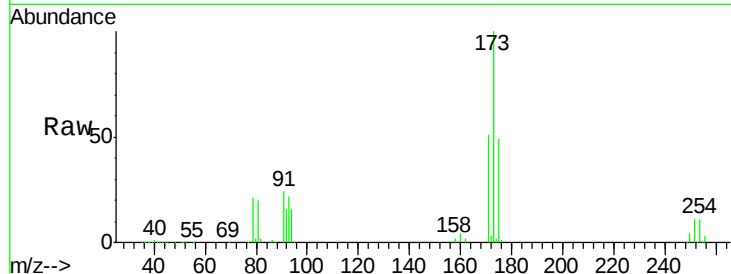
#71
Bromoform
Concen: 54.709 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.2	0.1	0.1#

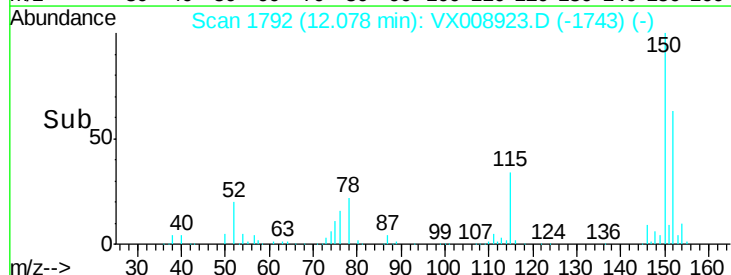
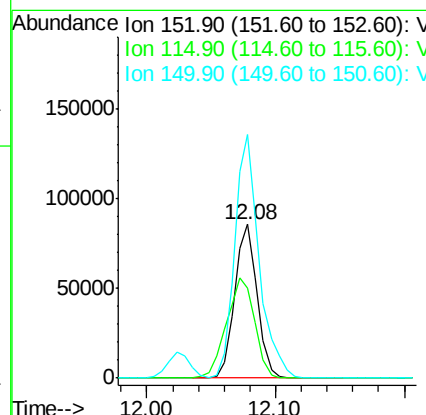
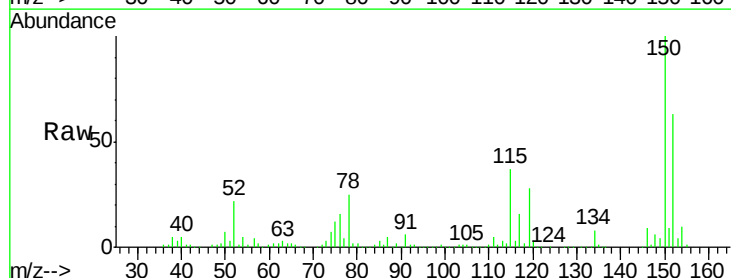
Manual Integrations
APPROVED

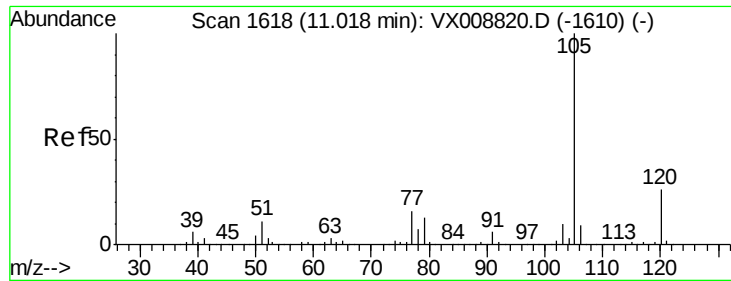
MMDadoda
4/13/2019 2:12:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.6	43.5	130.5
150	172.4	0.0	348.8





#73

Isopropylbenzene

Concen: 47.959 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 414492

Ion Ratio Lower Upper

105 100

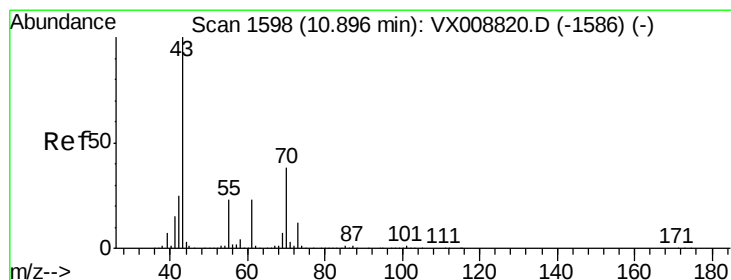
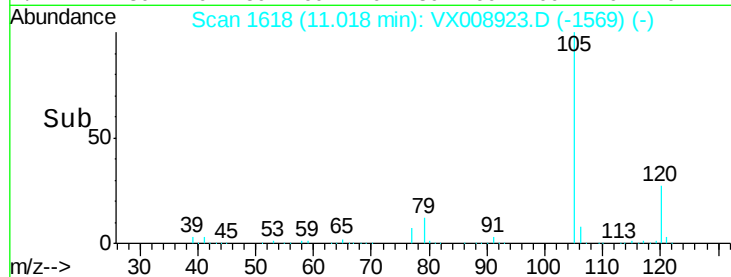
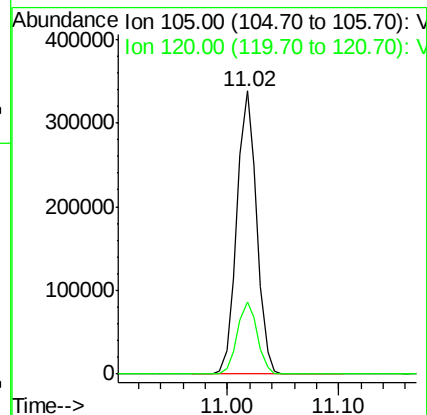
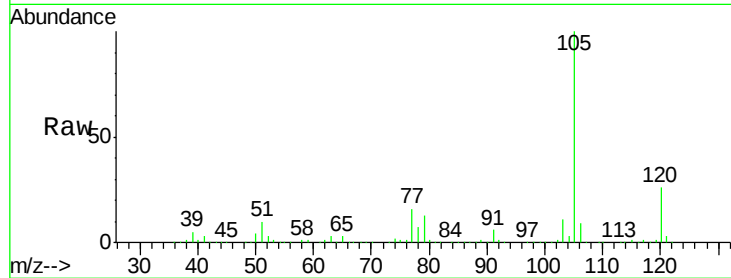
120 25.9 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

4/13/2019 2:12:58 PM



#74

N-ethyl acetate

Concen: 50.657 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion: 43 Resp: 257581

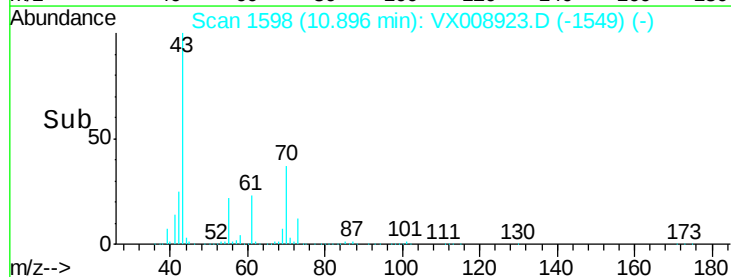
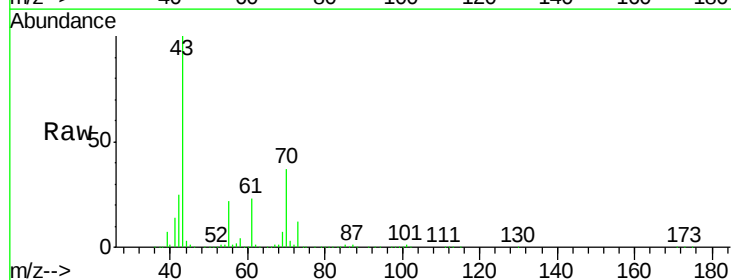
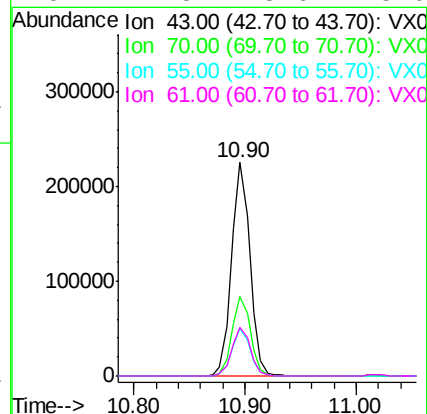
Ion Ratio Lower Upper

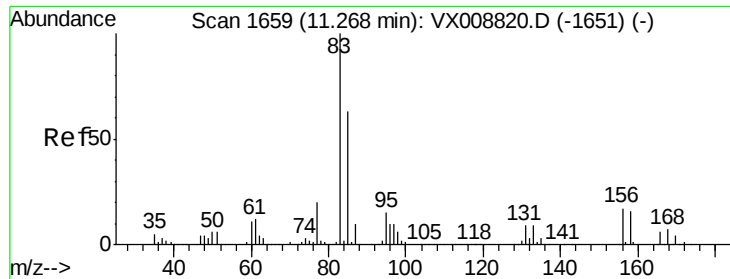
43 100

70 37.5 30.2 45.4

55 22.0 18.2 27.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.742 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

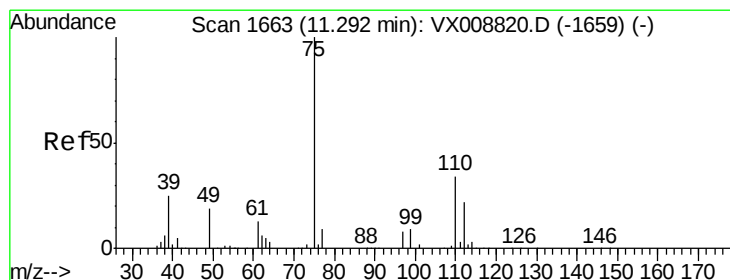
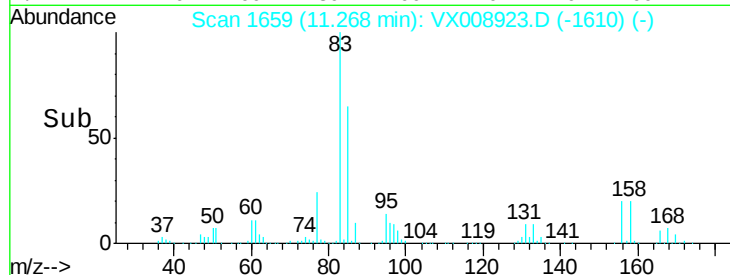
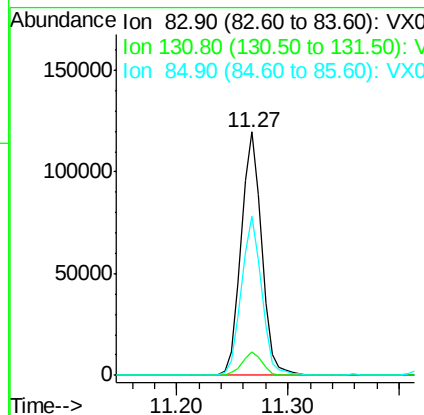
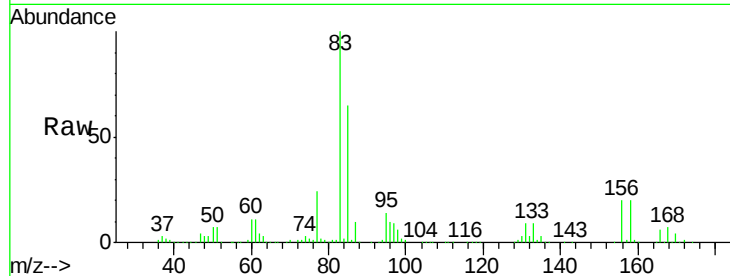
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	153638
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	64.4	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:58 PM



#76

1,2,3-Trichloropropane

Concen: 45.666 ug/l m

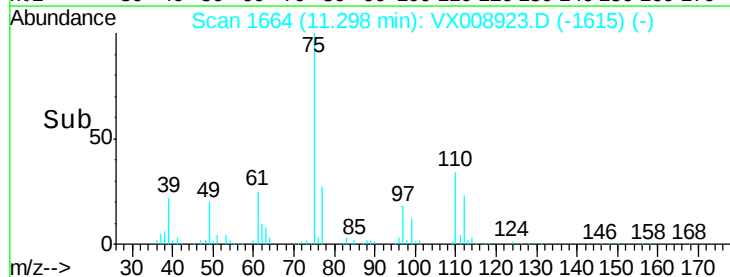
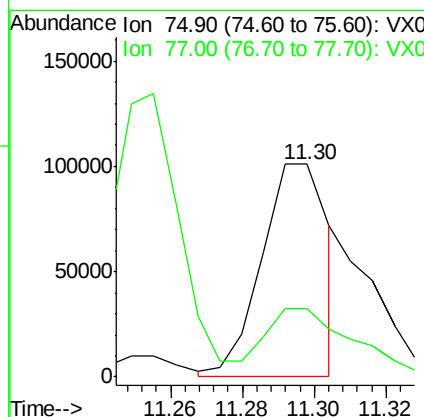
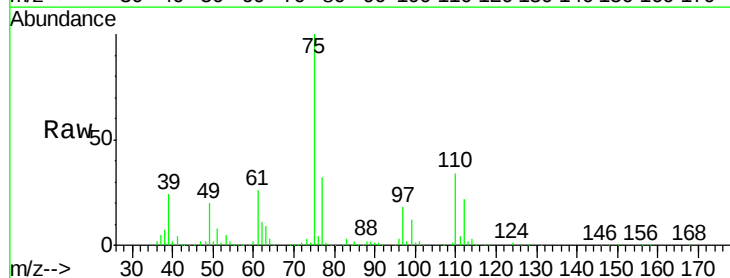
RT: 11.30 min Scan# 1664

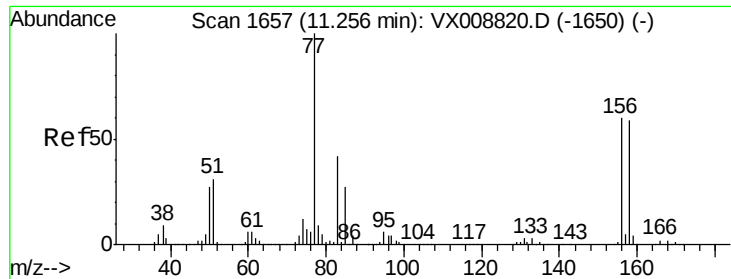
Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion:	75	Resp:	130826
Ion Ratio	Lower	Upper	
75	100		
77	41.7	22.3	66.8





#77

Bromobenzene

Concen: 49.958 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

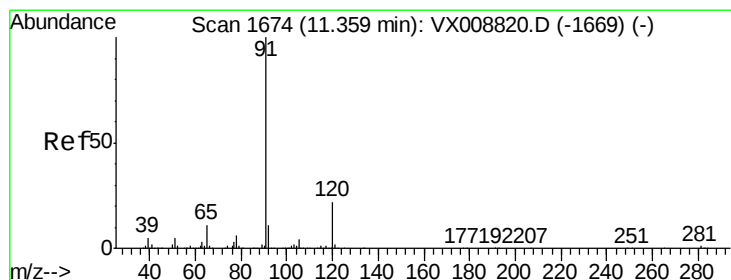
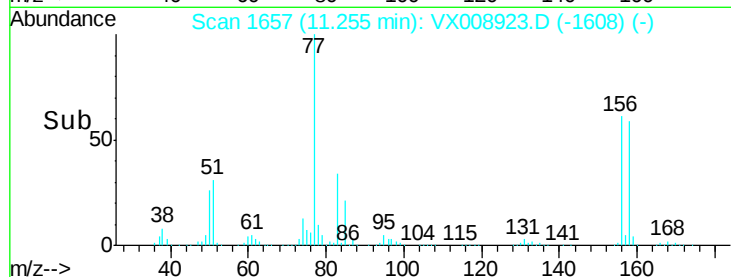
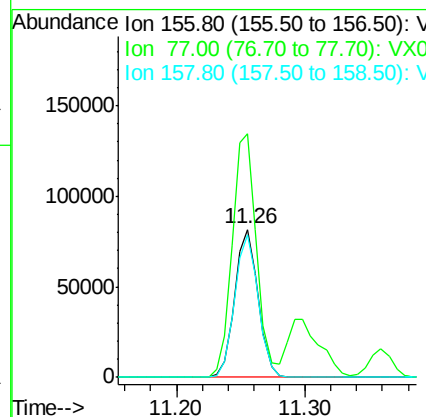
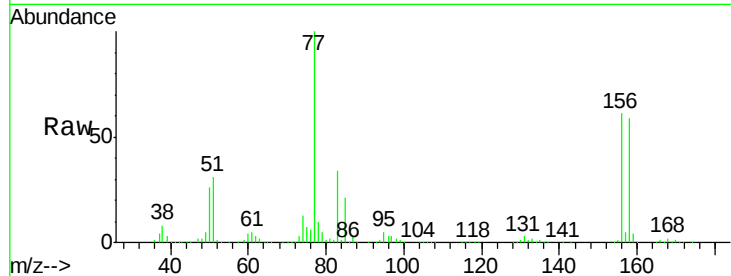
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	172.7	89.8	269.6
158	97.3	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 46.688 ug/l

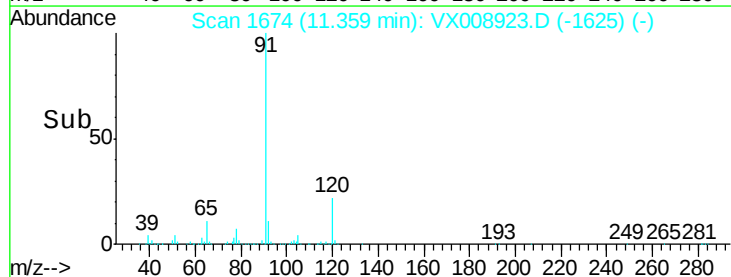
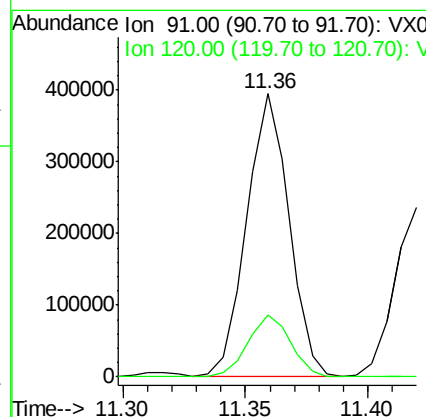
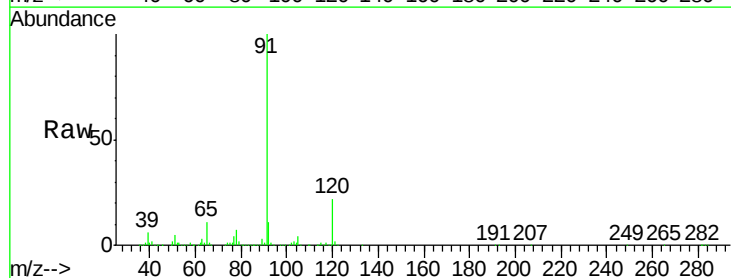
RT: 11.36 min Scan# 1674

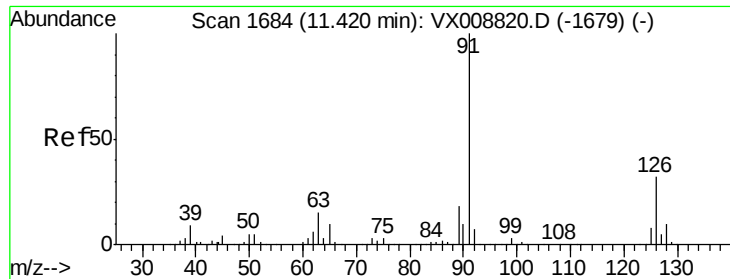
Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.9	32.7





#79

2-Chlorotoluene

Concen: 46.890 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008923.D

Acq: 13 Apr 2019 06:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tgt Ion: 91 Resp: 285547

Ion Ratio Lower Upper

91 100

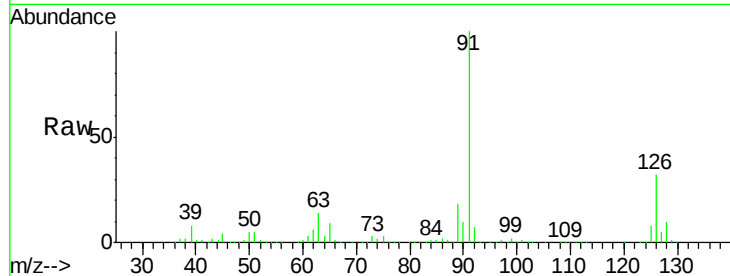
126 32.3 16.1 48.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008820.D (-1679) (-)

400000

300000

200000

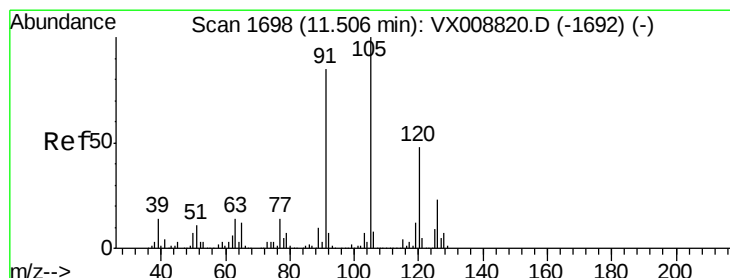
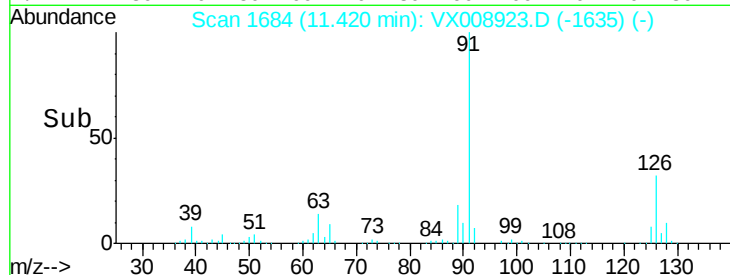
100000

0

11.42

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.540 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008923.D

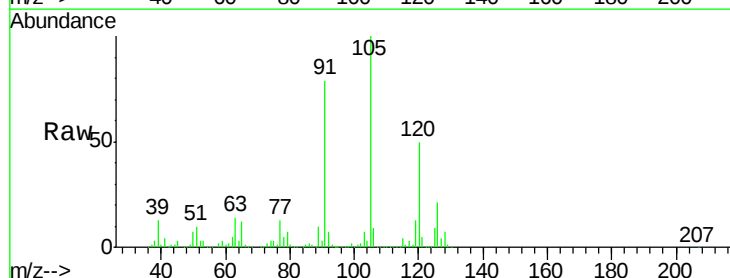
Acq: 13 Apr 2019 06:18

Tgt Ion: 105 Resp: 344886

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008820.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1692) (-)

300000

200000

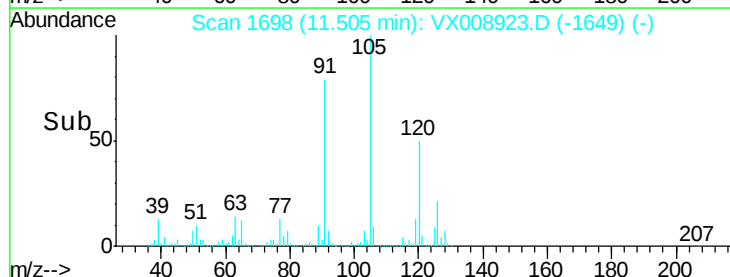
100000

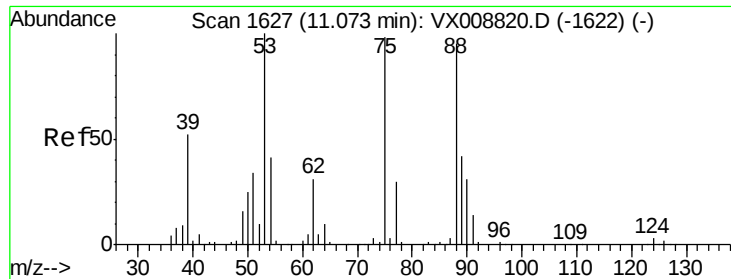
0

11.51

11.45 11.55 11.60

Time-->





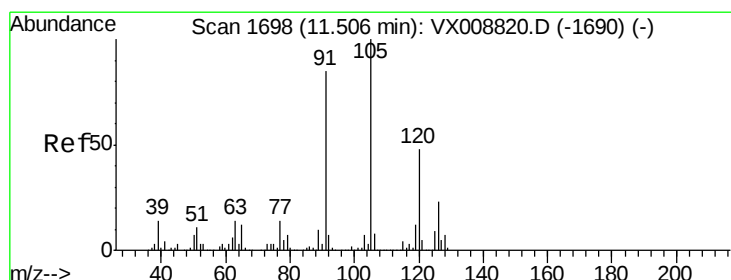
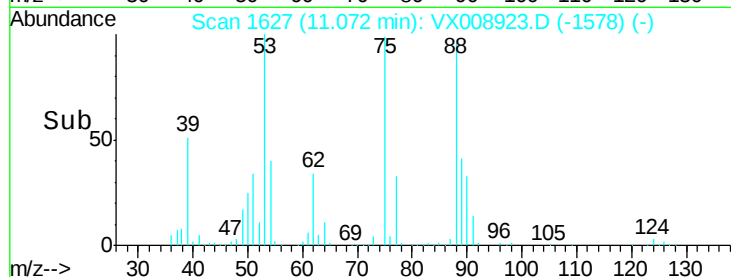
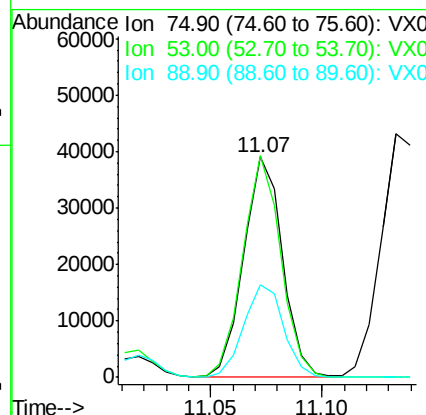
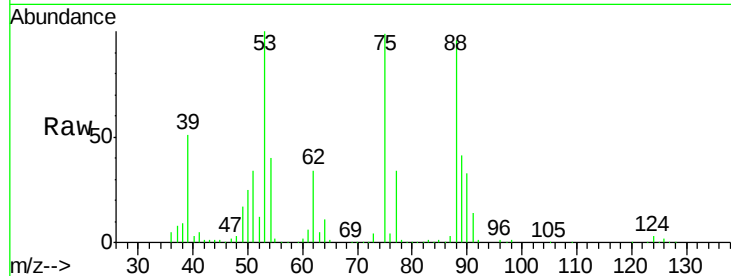
#81
trans-1,4-Dichloro-2-butene
Concen: 45.772 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.4	81.3	121.9
89	43.2	35.6	53.4

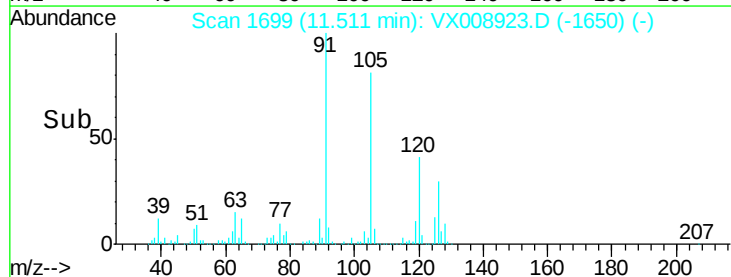
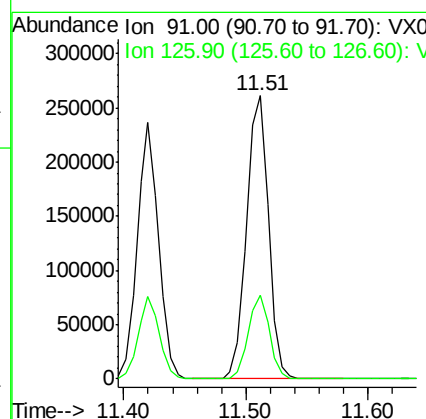
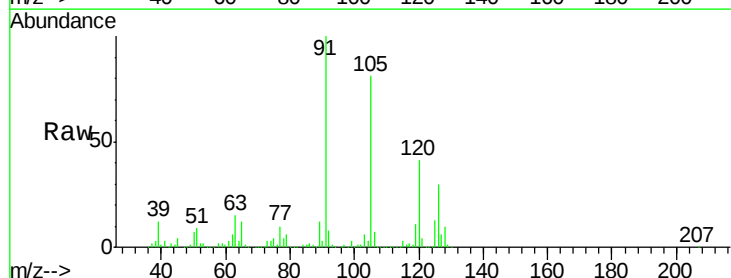
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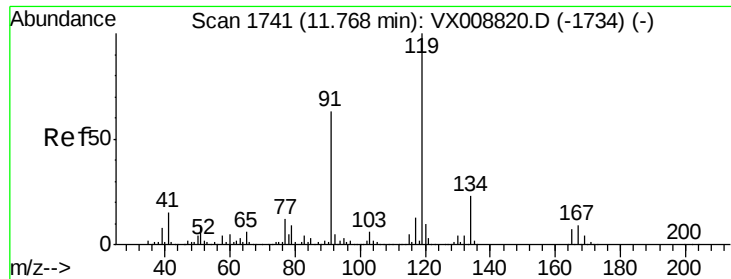
MMDadoda
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#82
4-Chlorotoluene
Concen: 45.822 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	13.9	41.6





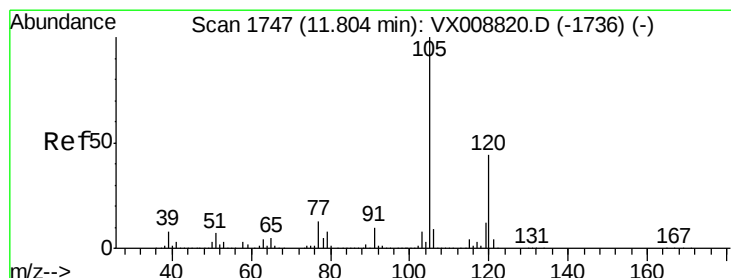
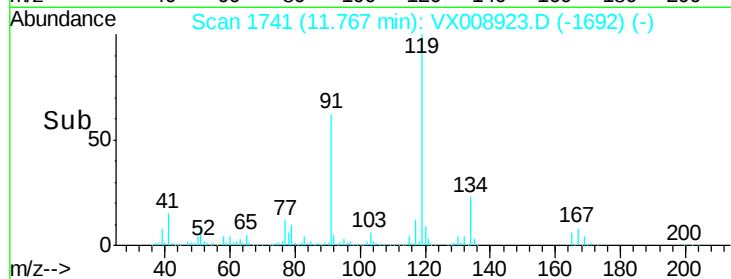
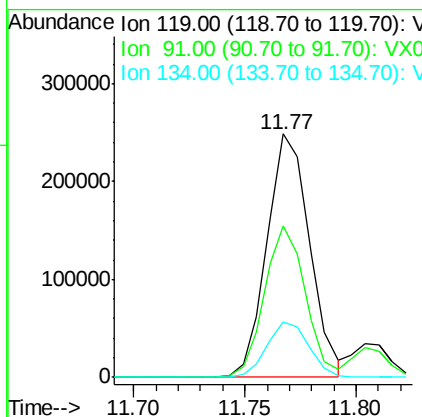
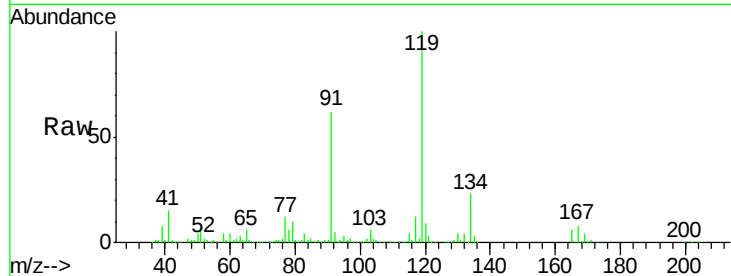
#83
 tert-Butylbenzene
 Concen: 47.268 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	329913		
91	59.5	30.0	90.1	
134	22.6	11.1	33.3	

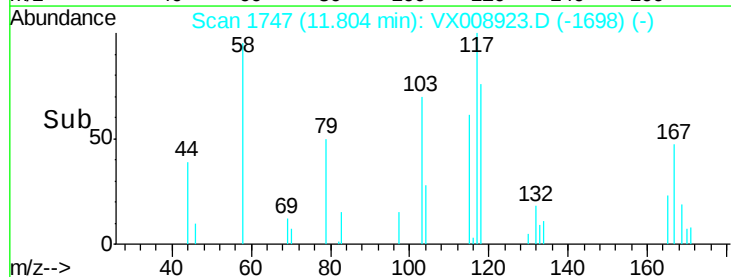
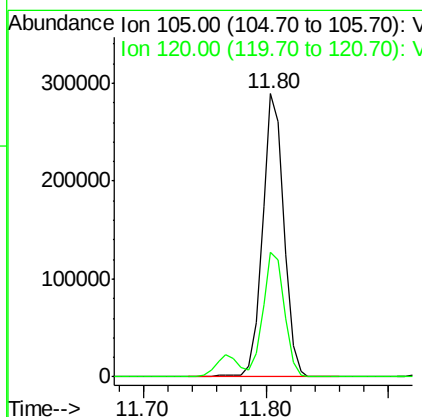
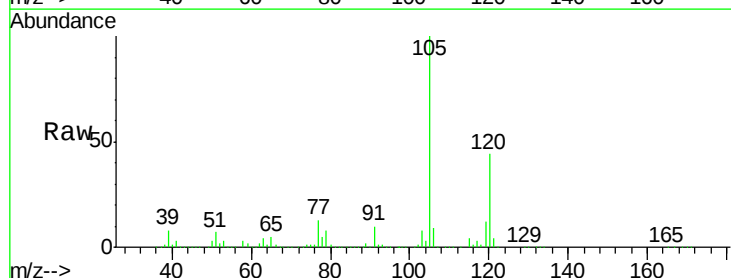
Manual Integrations
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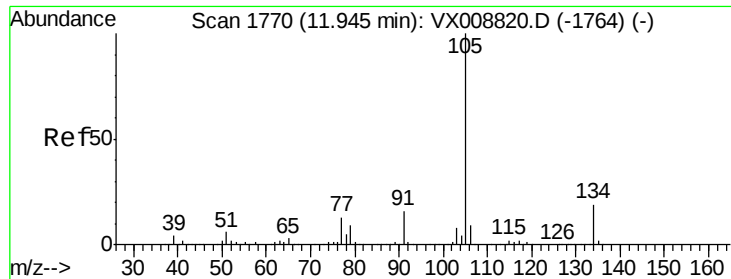
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.832 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	351366		
120	43.8	21.8	65.3	





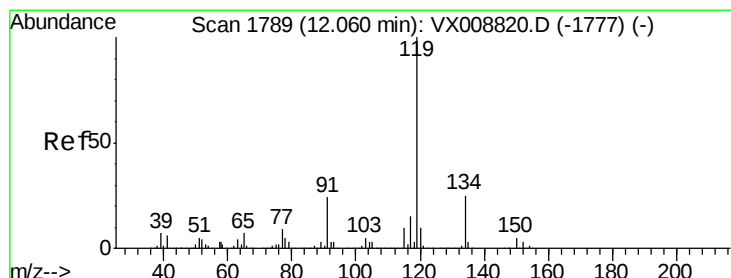
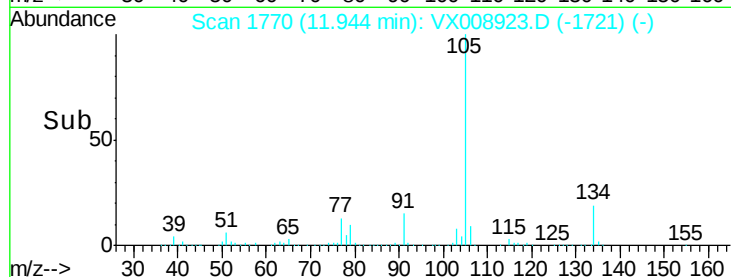
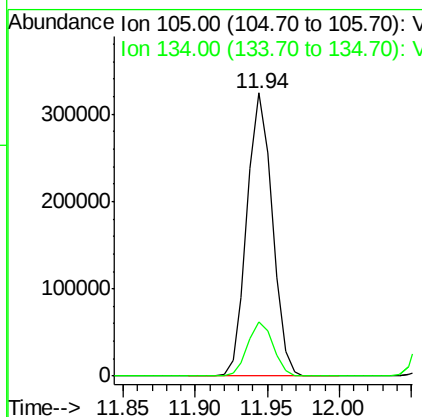
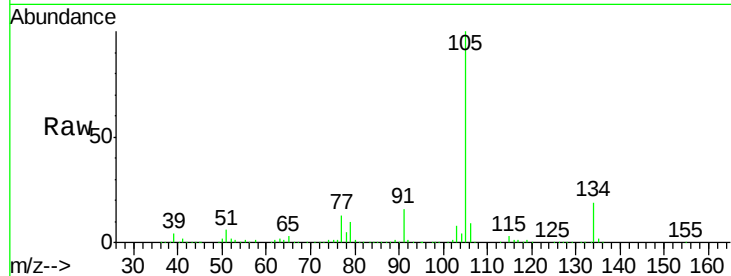
#85
 sec-Butylbenzene
 Concen: 47.434 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 393254
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2

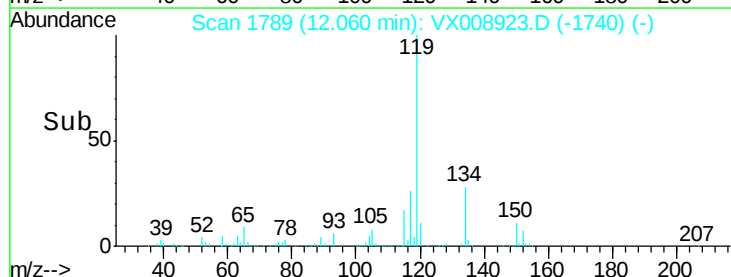
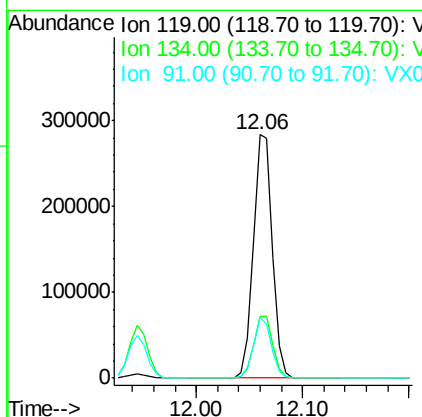
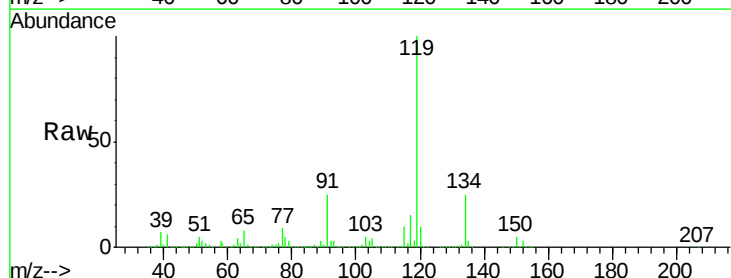
Manual Integrations
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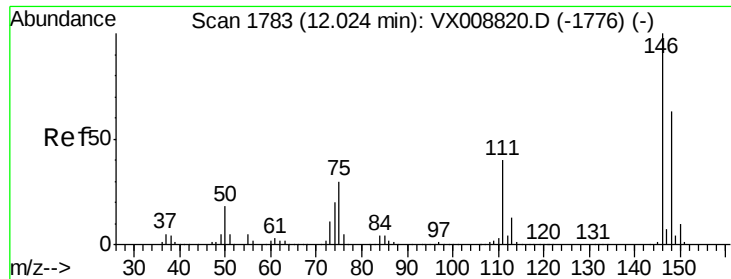
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#86
 p-Isopropyltoluene
 Concen: 47.545 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion:119 Resp: 353785
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 23.7 12.2 36.6





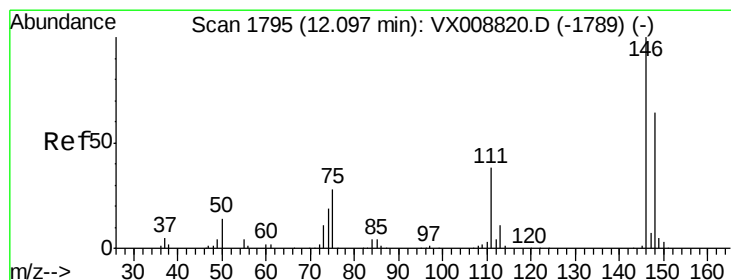
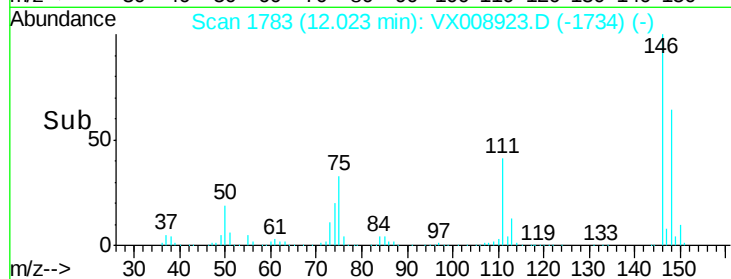
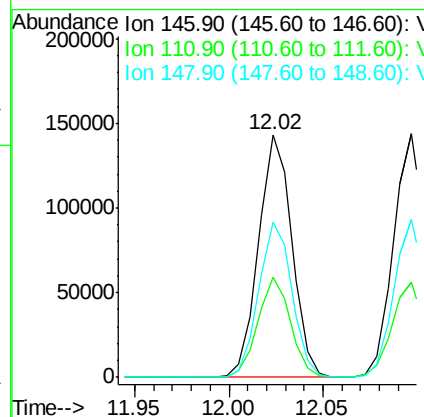
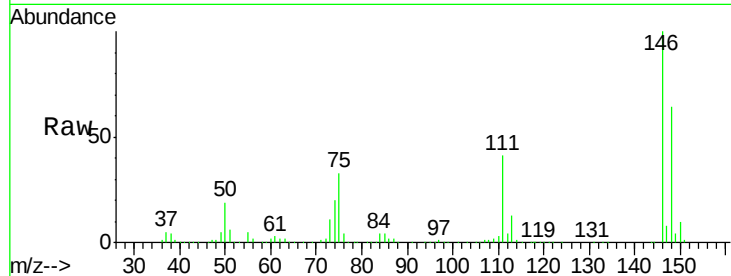
#87
 1,3-Dichlorobenzene
 Concen: 47.334 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176060		
111	40.4	20.5	61.5	
148	63.9	31.6	94.7	

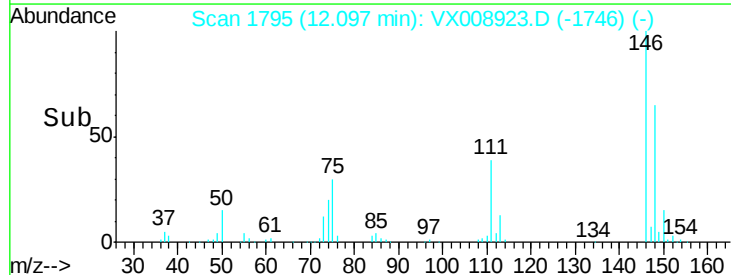
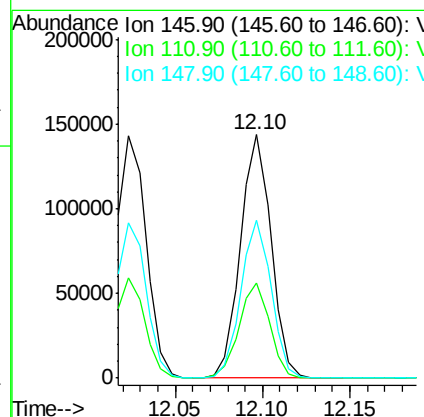
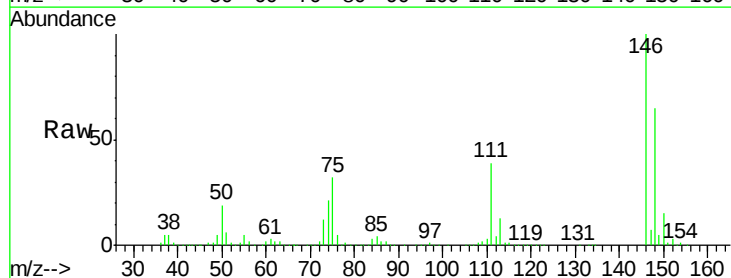
Manual Integrations
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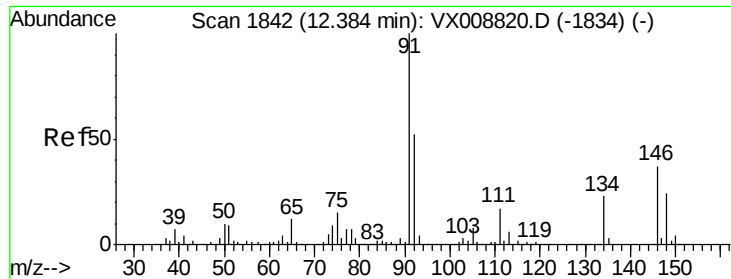
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#88
 1,4-Dichlorobenzene
 Concen: 46.410 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	174801		
111	39.4	20.2	60.6	
148	64.5	32.0	96.0	





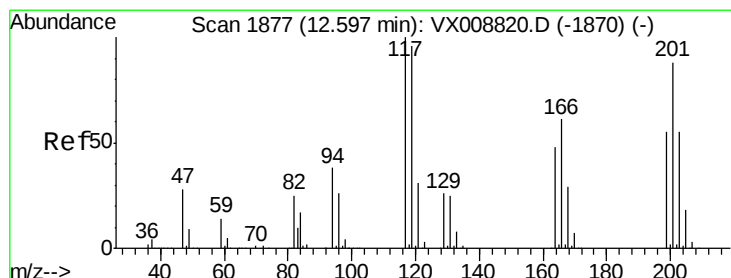
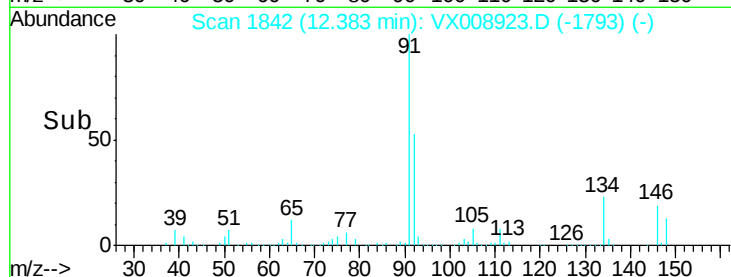
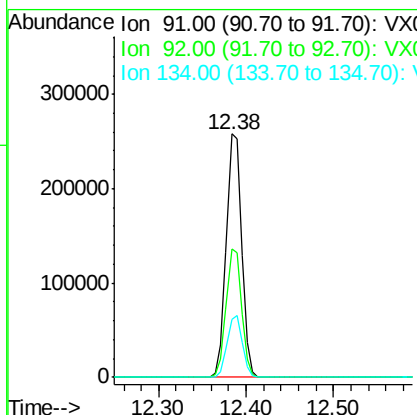
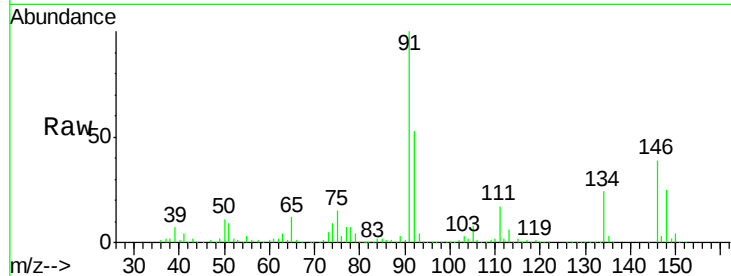
#89
n-Butylbenzene
Concen: 44.996 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 313997
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.2
134 24.9 12.0 36.0

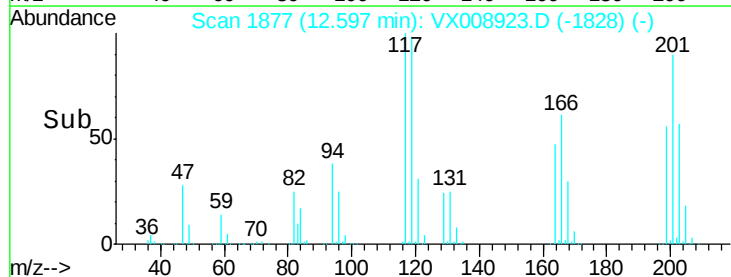
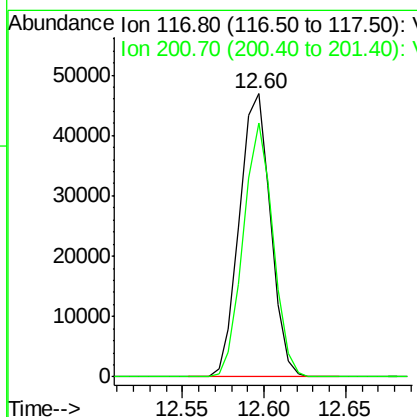
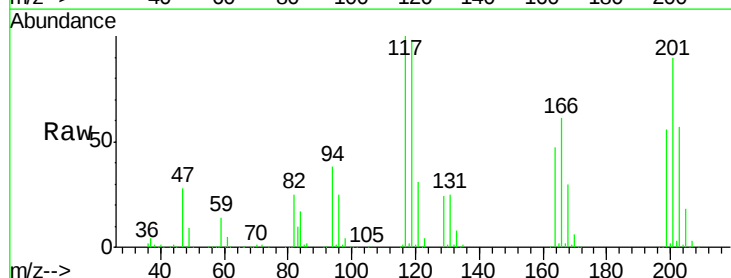
Manual Integrations
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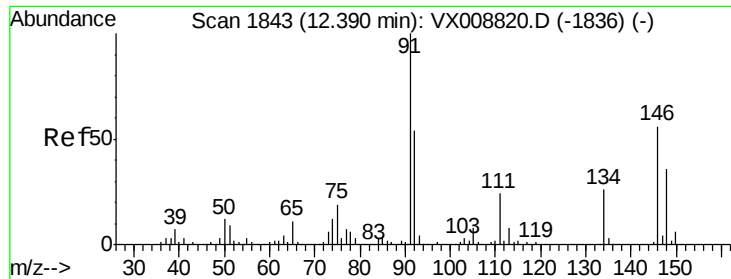
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#90
Hexachloroethane
Concen: 50.772 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion: 117 Resp: 62662
Ion Ratio Lower Upper
117 100
201 85.8 40.6 122.0





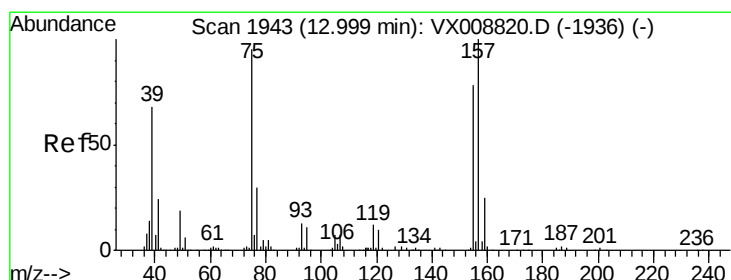
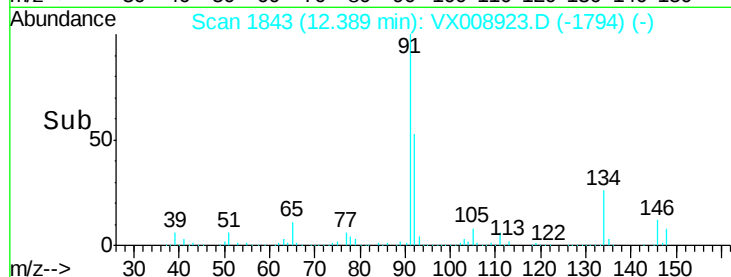
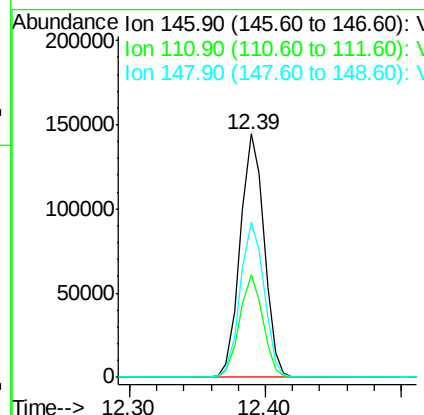
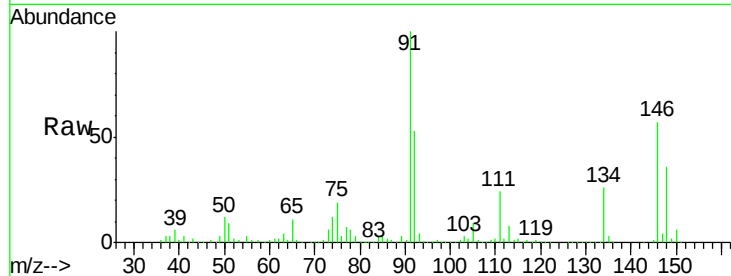
#91
 1,2-Dichlorobenzene
 Concen: 48.045 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	63.9
148	63.9	31.7	95.1

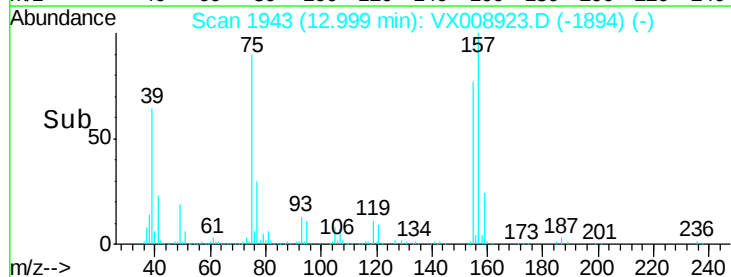
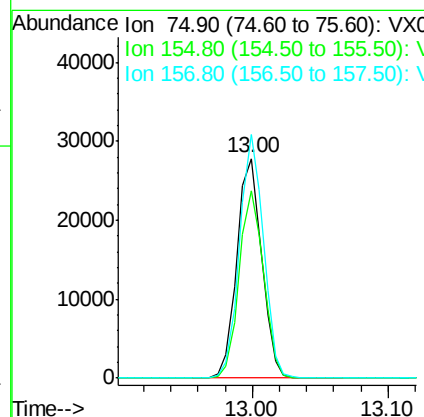
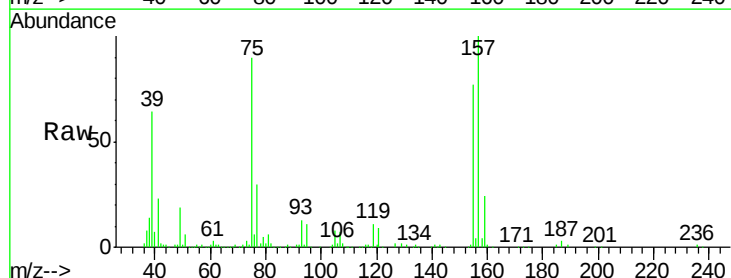
Manual Integrations
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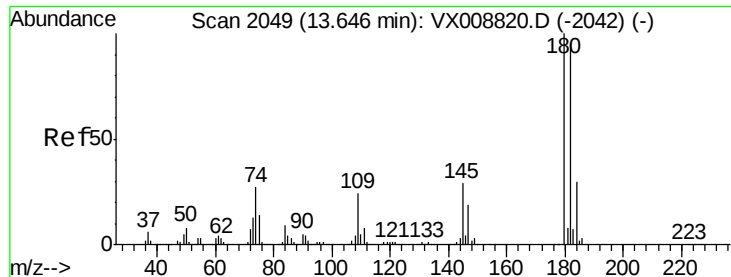
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 4/13/2019 2:12:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.970 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	39.9	119.6
157	106.2	51.5	154.7





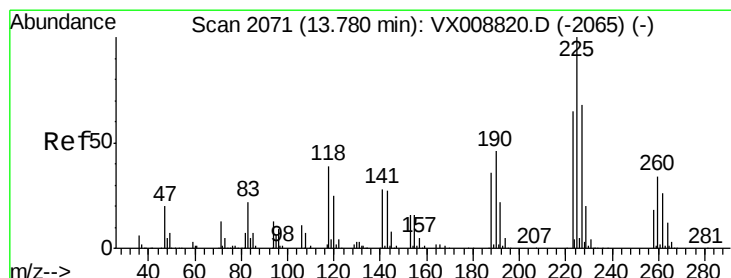
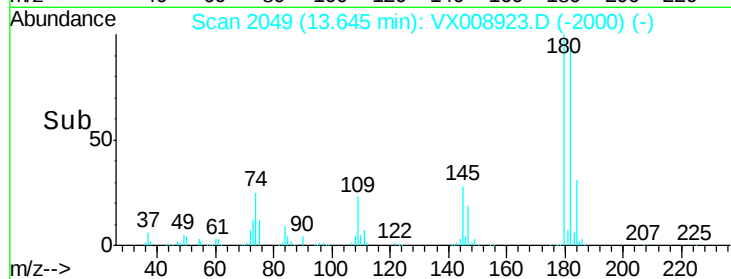
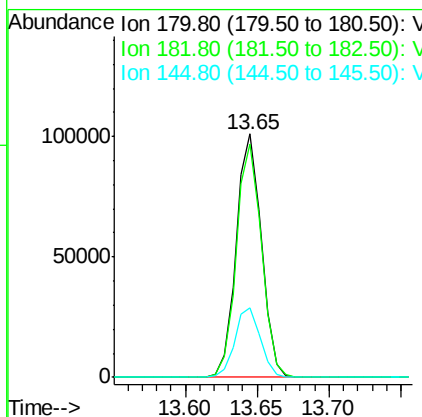
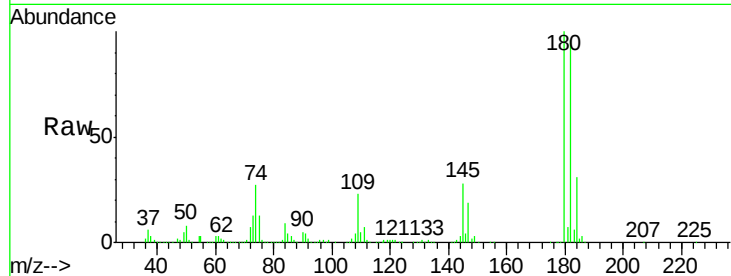
#93
 1,2,4-Trichlorobenzene
 Concen: 47.988 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	180	Resp:	123221
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.2	141.6
145	29.3	15.3	45.9

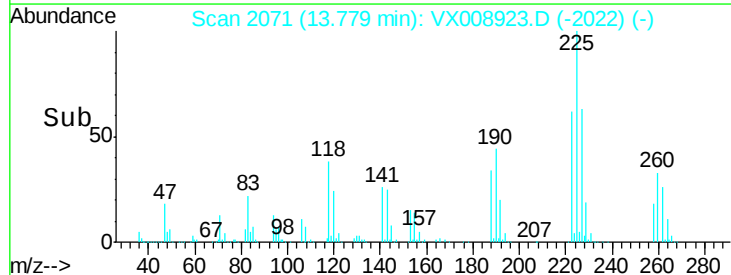
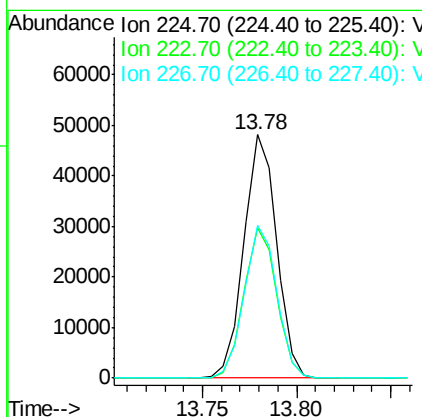
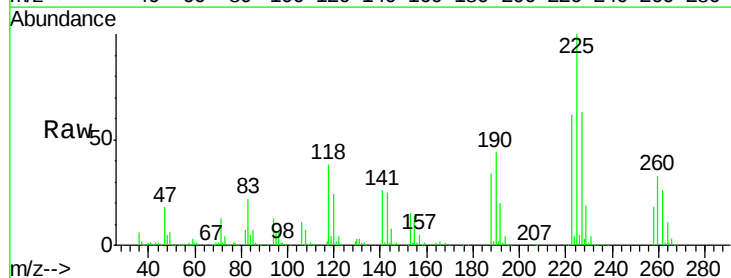
Manual Integrations
 APPROVED

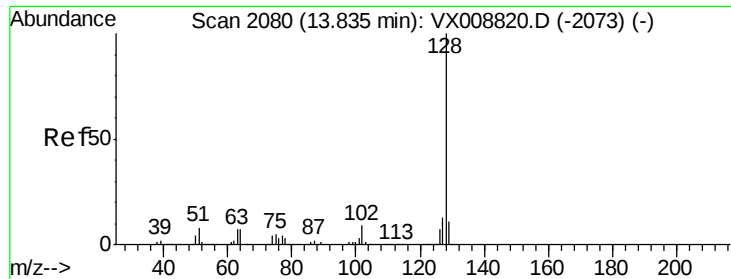
MMDadoda
 4/13/2019 2:12:58 PM



#94
 Hexachlorobutadiene
 Concen: 47.160 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008923.D
 Acq: 13 Apr 2019 06:18

Tgt Ion:	225	Resp:	58075
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.2	93.6
227	62.5	31.9	95.5





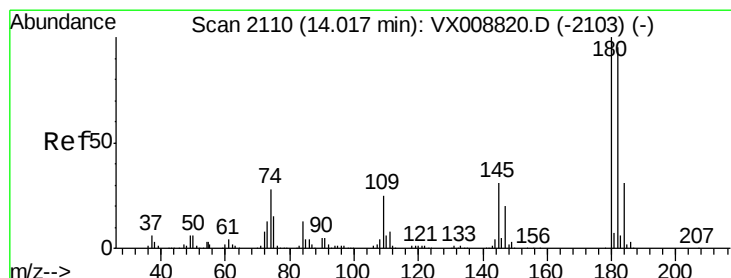
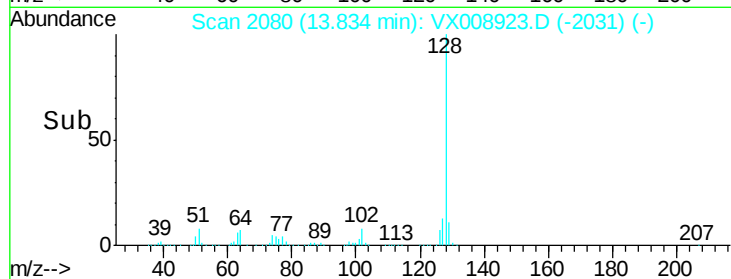
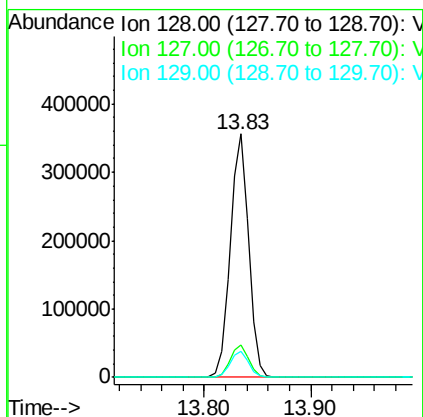
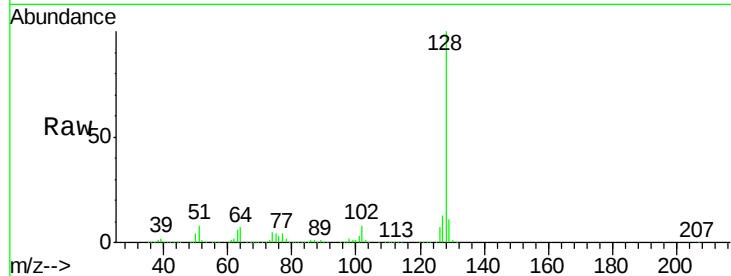
#95
Naphthalene
Concen: 49.994 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.353 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008923.D
Acq: 13 Apr 2019 06:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.3
145	31.0	16.3	48.8

