

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014149.D
 Acq On : 20 Dec 2019 03:42
 Operator : JC/SP
 Sample : K6372-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	560393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	853259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	762465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	343627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	304129	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	5.49	113	246552	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	8.71	98	1011147	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.14	95	340836	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

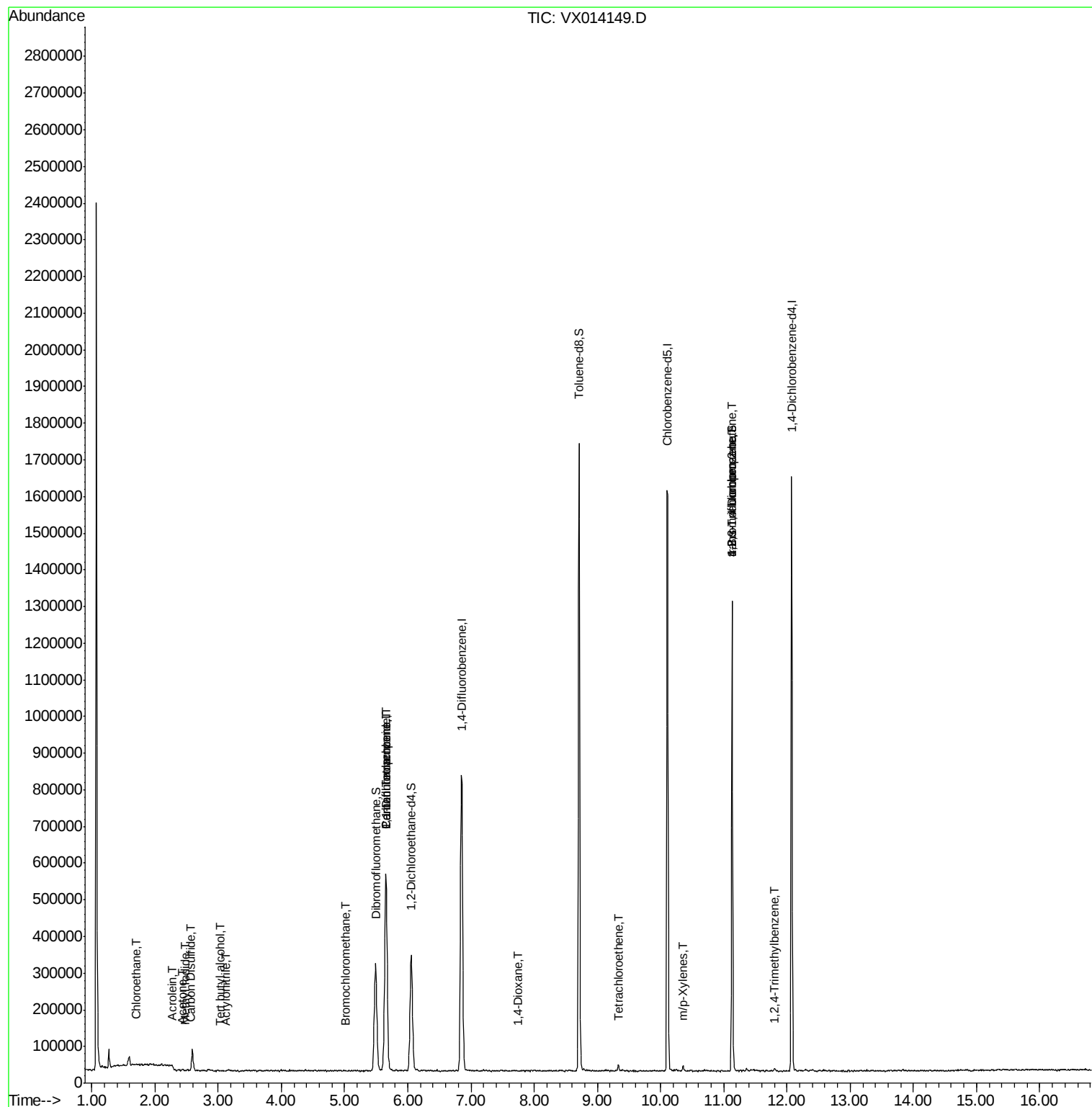
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	1657	0.378	ug/l #	87
10) Methyl Iodide	2.47	142	208	2.649	ug/l #	1
11) Tert butyl alcohol	3.02	59	829	0.604	ug/l	98
13) Acrolein	2.28	56	667	0.849	ug/l #	39
15) Acrylonitrile	3.13	53	749	0.234	ug/l #	72
16) Acetone	2.44	43	3606	0.875	ug/l #	66
17) Carbon Disulfide	2.56	76	1611	0.856	ug/l #	42
28) Bromochloromethane	5.03	49	300	0.526	ug/l #	95
36) 1,1-Dichloropropene	5.65	75	37253	4.758	ug/l #	41
38) Carbon Tetrachloride	5.65	117	48296	6.771	ug/l #	16
49) 1,4-Dioxane	7.75	88	221	1.550	ug/l #	1
64) Tetrachloroethene	9.33	164	3135	0.465	ug/l	88
68) m/p-Xylenes	10.36	106	4388	0.409	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	168348	22.566	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	168348	63.694	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.81	105	4899	0.240	ug/l	77

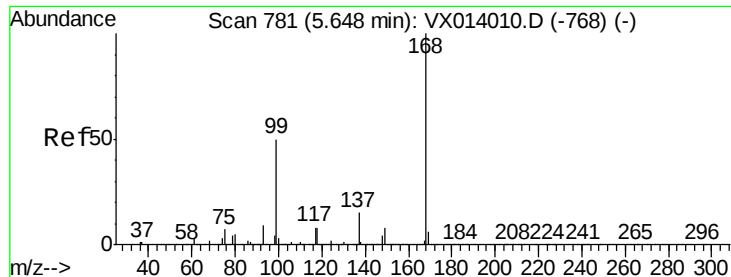
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 17 03:01:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Instrument :

MSVOA_X

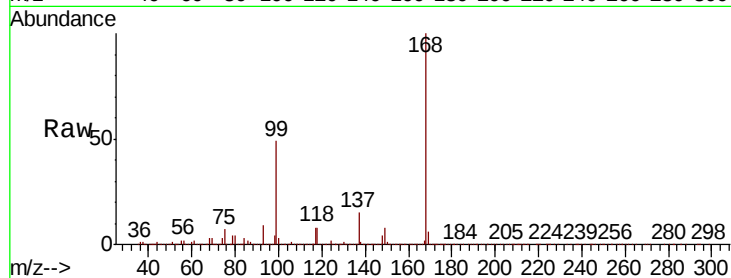
ClientSampleId :

Tot Ion:168 Resp: 560393

Ion Ratio Lower Upper

168 100

99 49.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

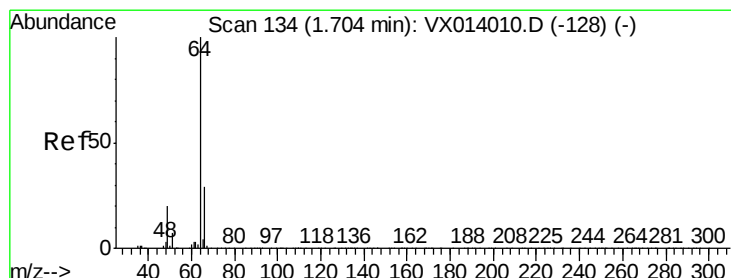
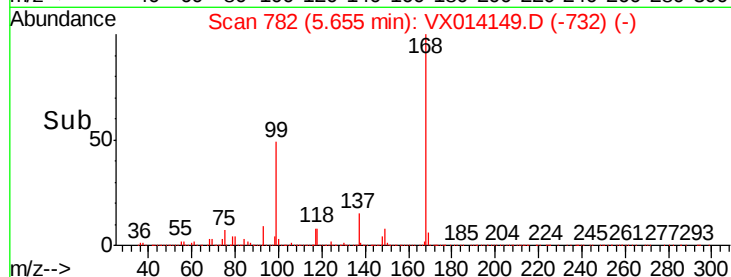
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.378 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX014149.D

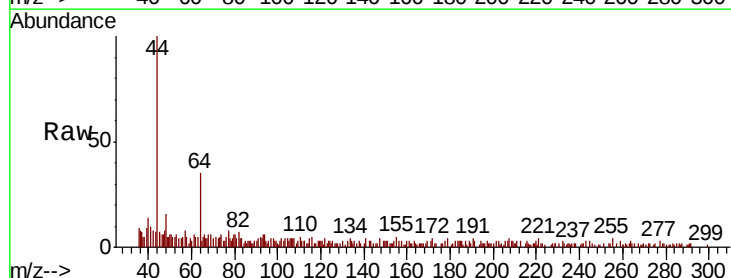
Acq: 20 Dec 2019 03:42

Tgt Ion: 64 Resp: 1657

Ion Ratio Lower Upper

64 100

66 22.4 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

2000

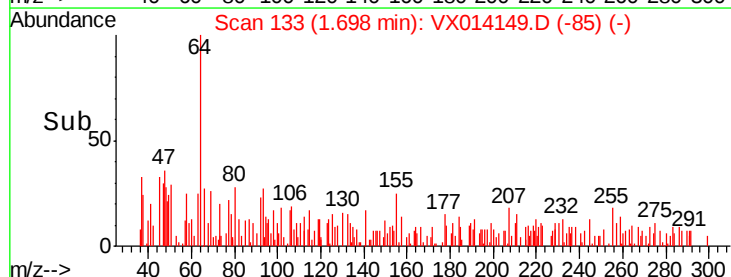
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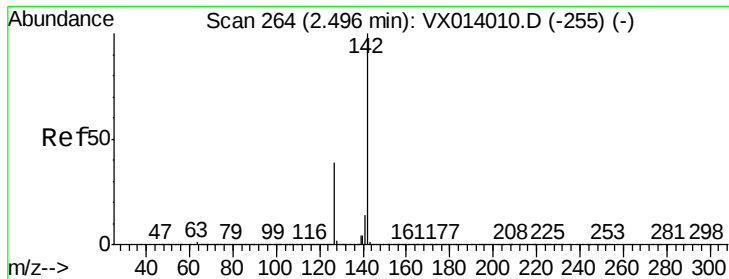
1000

500

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Time-->

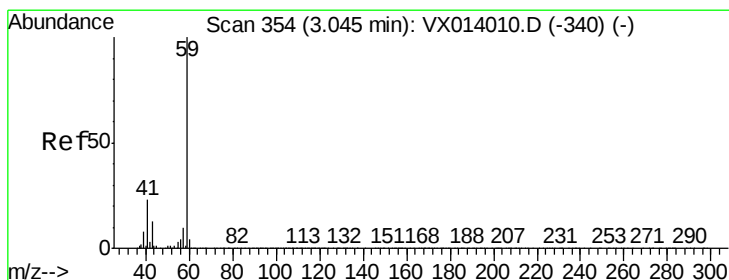
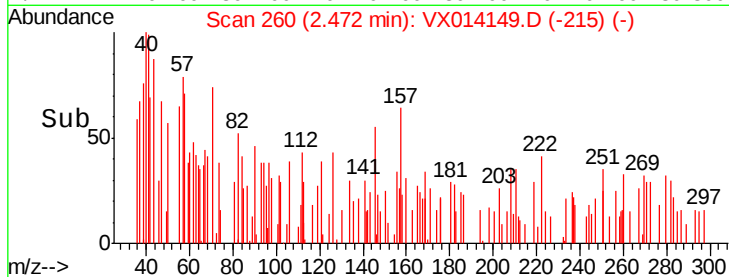
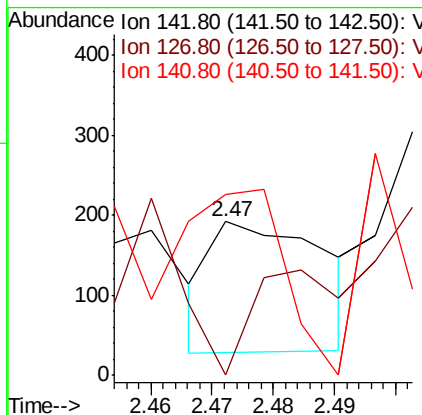
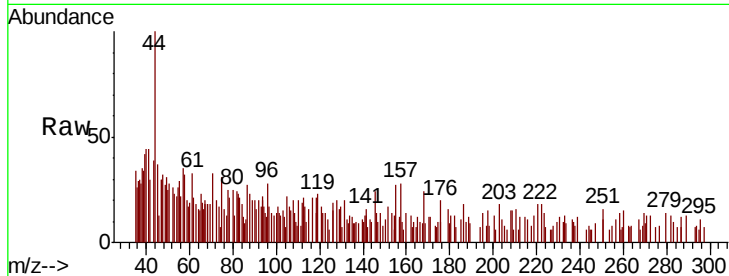




#10
Methyl Iodide
Concen: 2.649 ug/l
RT: 2.47 min Scan# 260
Delta R.T. -0.02 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

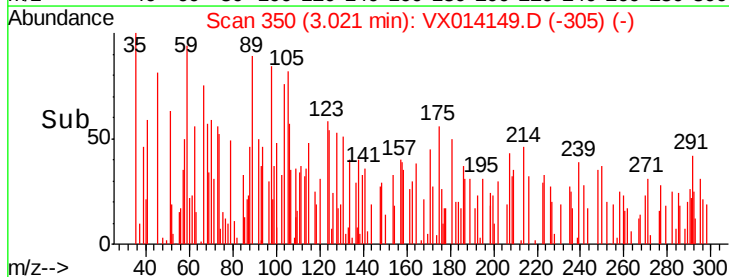
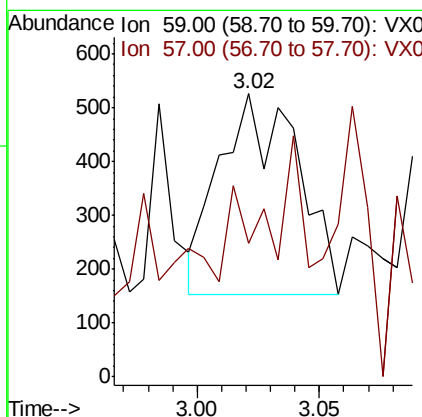
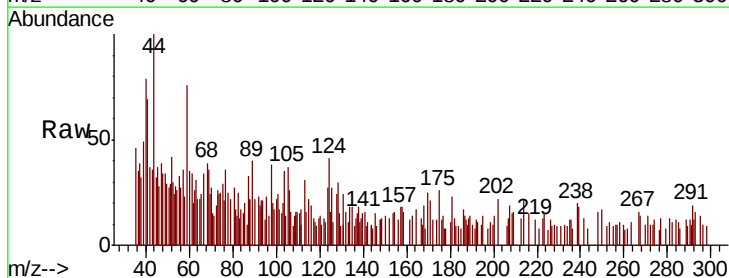
Instrument :
MSVOA_X
ClientSampled :

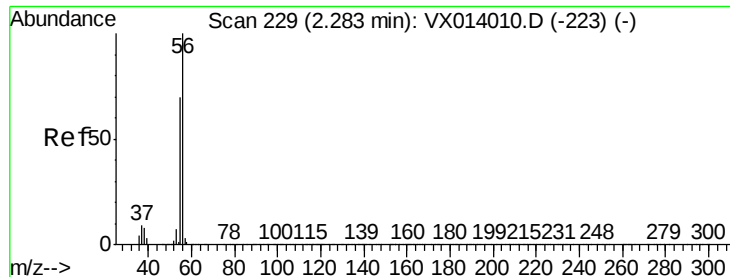
Tot Ion:142 Resp: 208
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 179.8 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.604 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

Tgt Ion: 59 Resp: 829
Ion Ratio Lower Upper
59 100
57 11.1 8.4 12.6

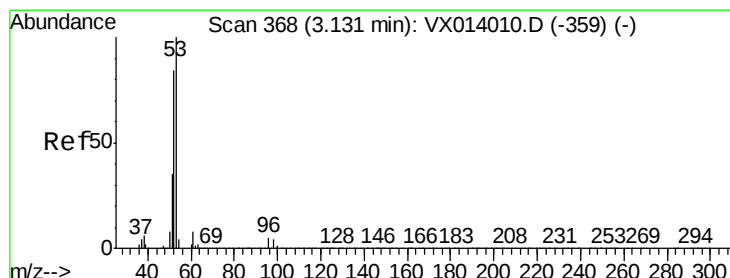
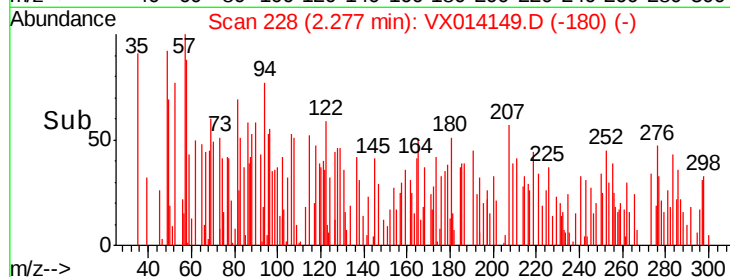
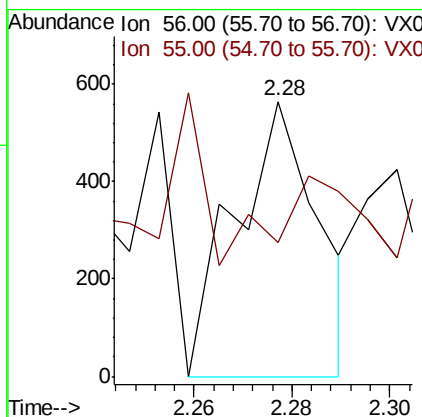
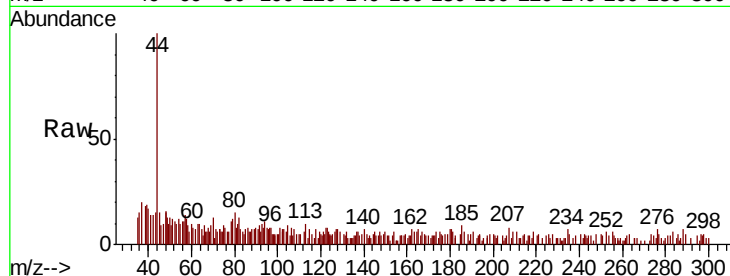




#13
Acrolein
Concen: 0.849 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

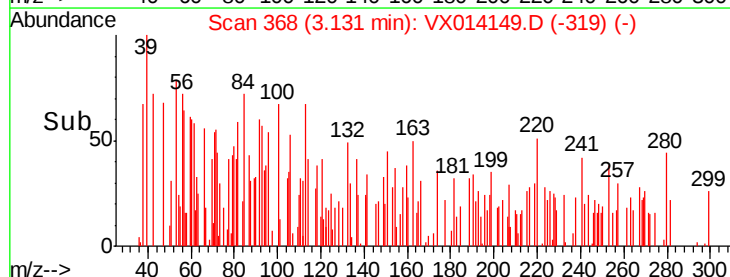
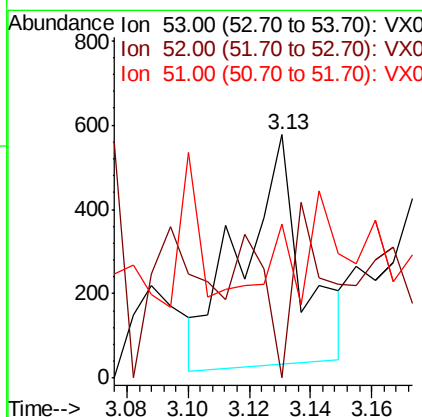
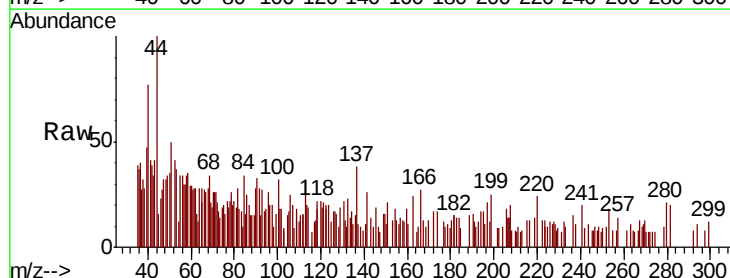
Instrument :
MSVOA_X
ClientSampleId :

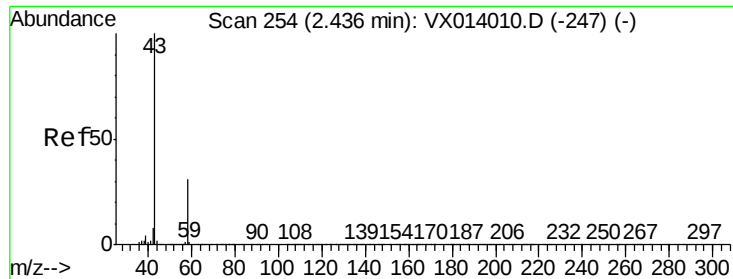
Tot Ion: 56 Resp: 667
Ion Ratio Lower Upper
56 100
55 21.0 56.9 85.3#



#15
Acrylonitrile
Concen: 0.234 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

Tgt Ion: 53 Resp: 749
Ion Ratio Lower Upper
53 100
52 53.7 66.5 99.7#
51 24.8 28.1 42.1#

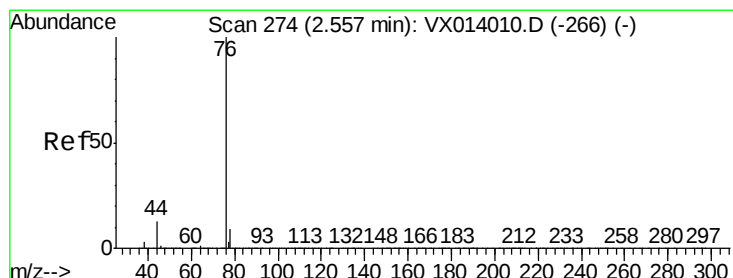
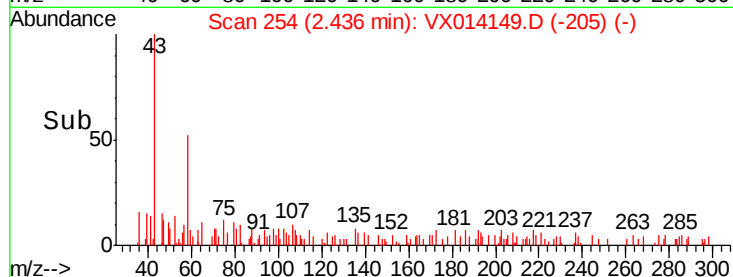
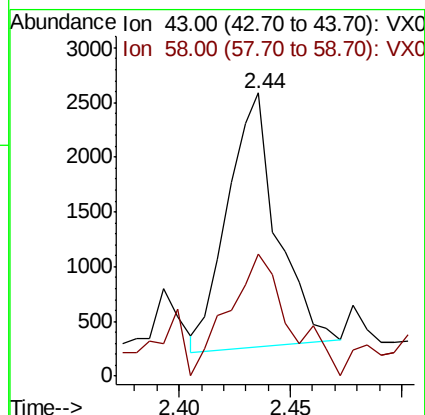
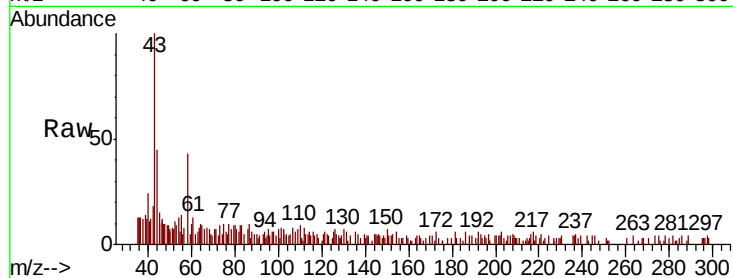




#16
Acetone
Concen: 0.875 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

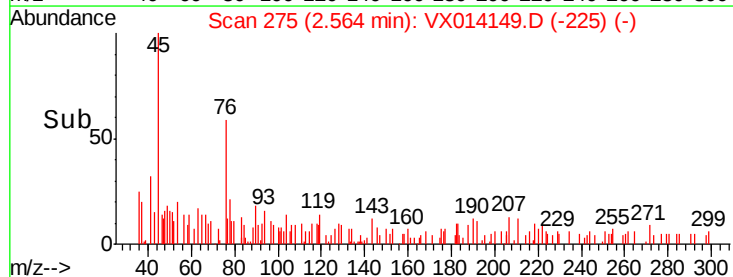
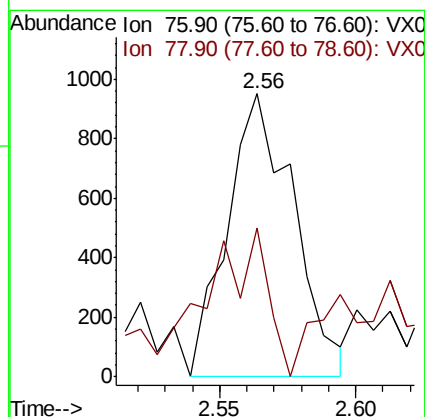
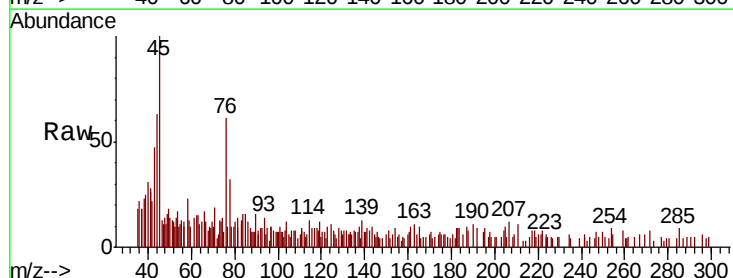
Instrument :
MSVOA_X
ClientSampleId :

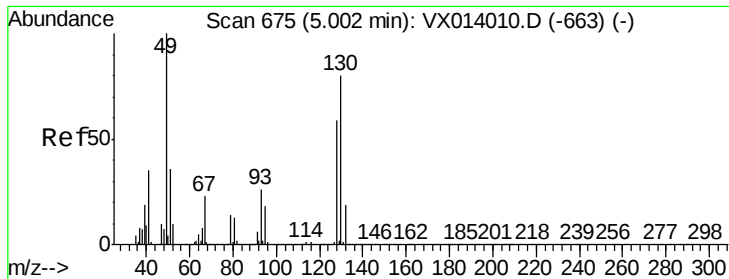
Tot Ion: 43 Resp: 3606
Ion Ratio Lower Upper
43 100
58 49.7 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.856 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

Tgt Ion: 76 Resp: 1611
Ion Ratio Lower Upper
76 100
78 30.1 7.2 10.8#





#28

Bromochloromethane

Concen: 0.526 ug/l

RT: 5.03 min Scan# 679

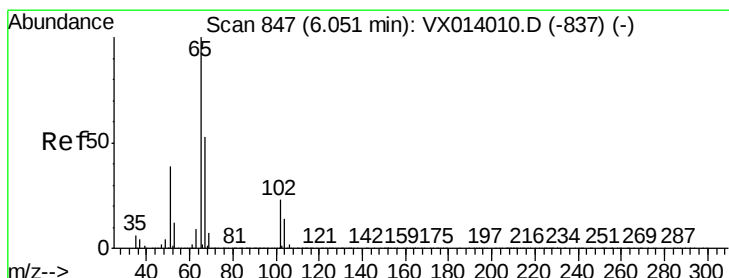
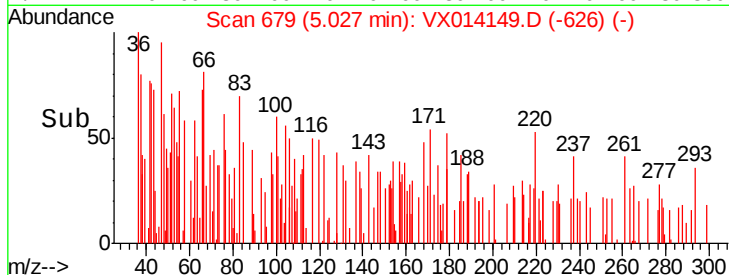
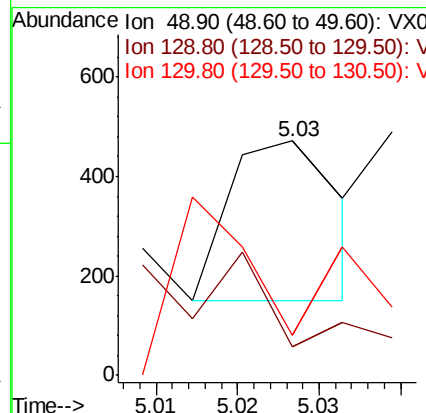
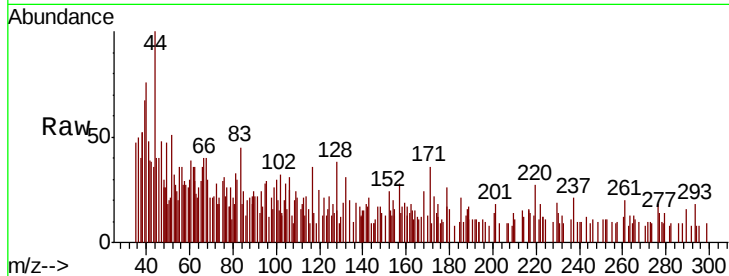
Delta R.T. 0.02 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 300
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 85.0 64.6 97.0



#33

1,2-Dichloroethane-d4

Concen: 47.885 ug/l

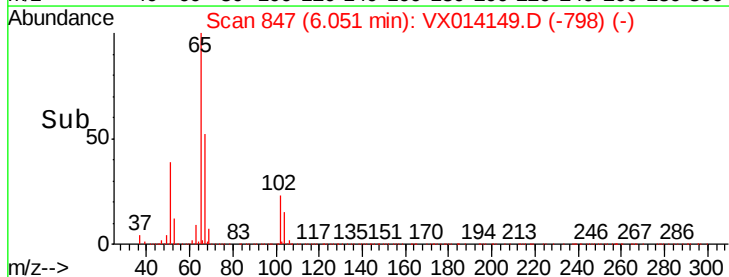
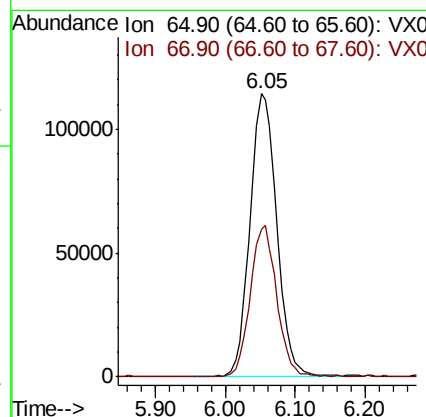
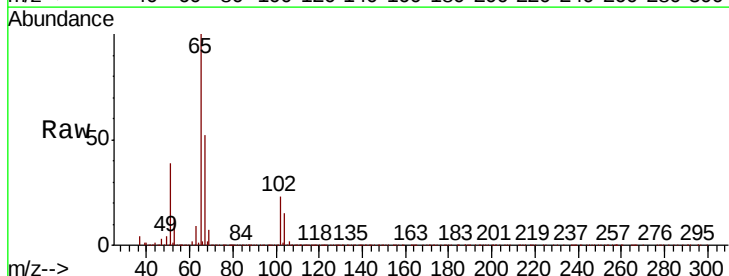
RT: 6.05 min Scan# 847

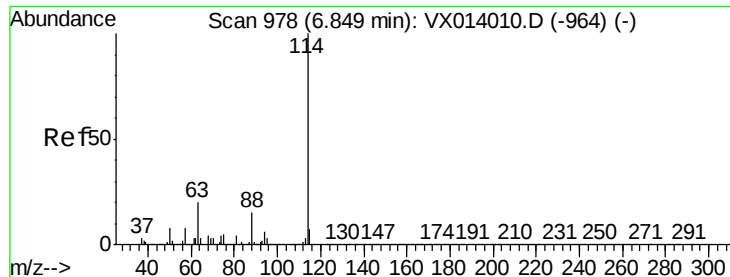
Delta R.T. 0.00 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Tgt Ion: 65 Resp: 304129
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014149.D

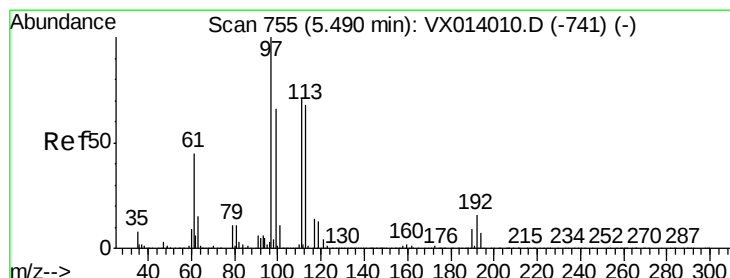
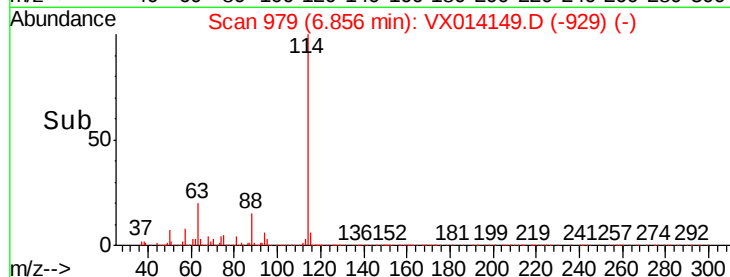
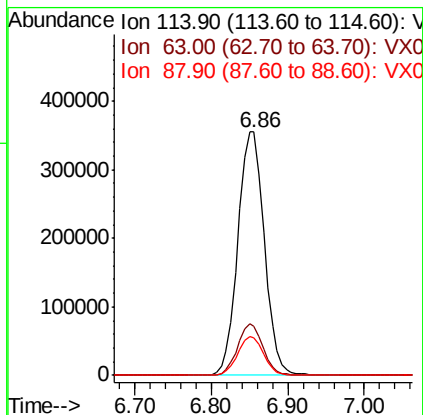
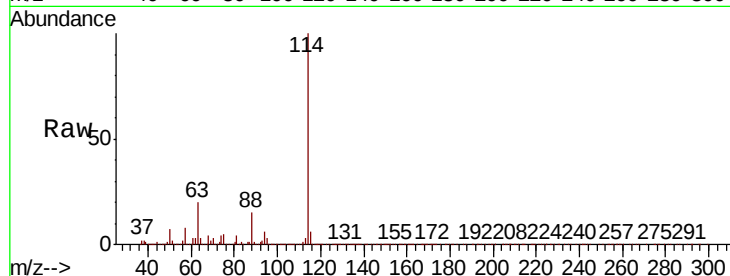
Acq: 20 Dec 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	114	Resp:	853259
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.4	0.0	30.4



#35

Dibromofluoromethane

Concen: 47.534 ug/l

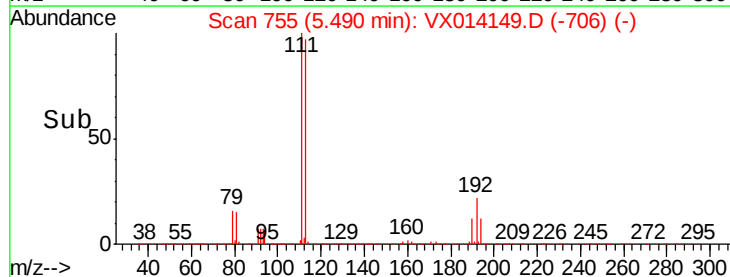
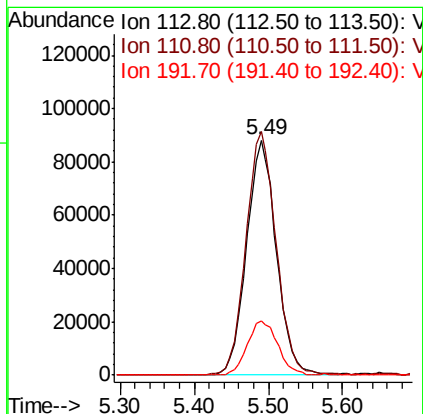
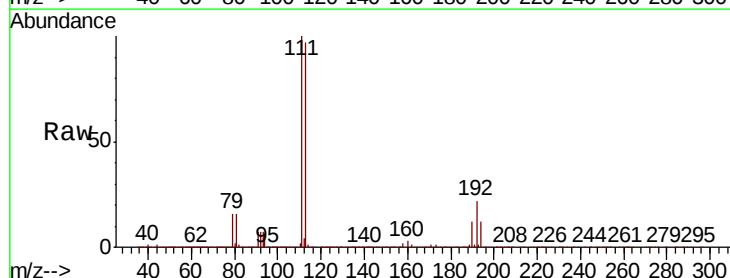
RT: 5.49 min Scan# 755

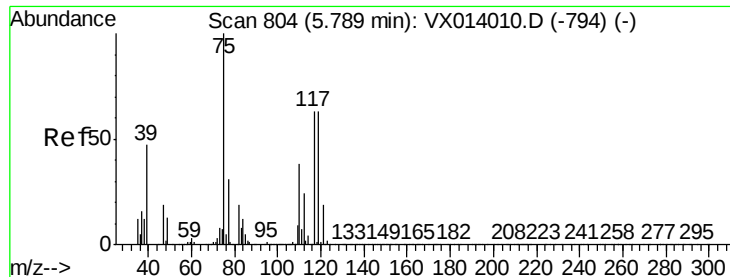
Delta R.T. 0.00 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Tgt Ion:	113	Resp:	246552
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.0	123.0
192	23.7	19.3	28.9





#36

1,1-Dichloropropene

Concen: 4.758 ug/l

RT: 5.65 min Scan# 781

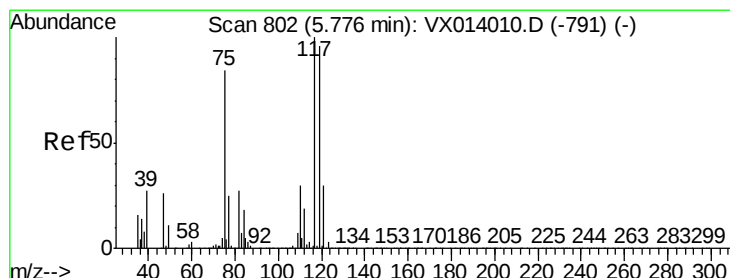
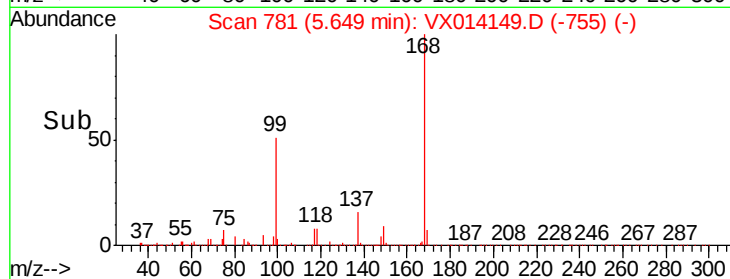
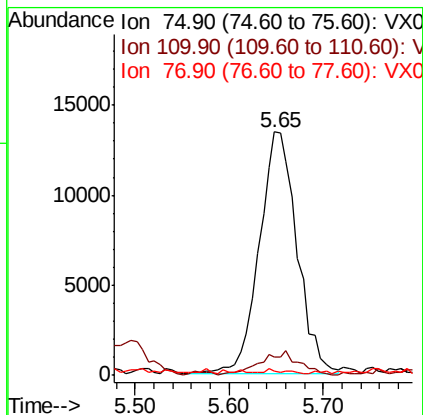
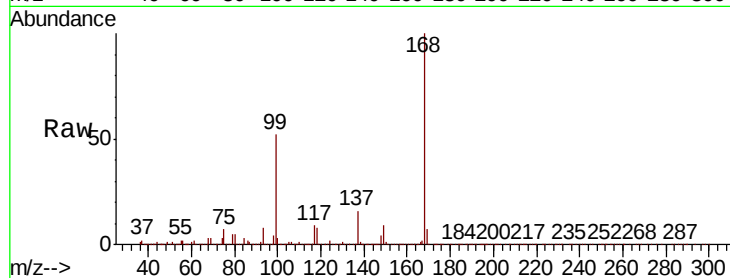
Delta R.T. -0.14 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	37253
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.6	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.771 ug/l

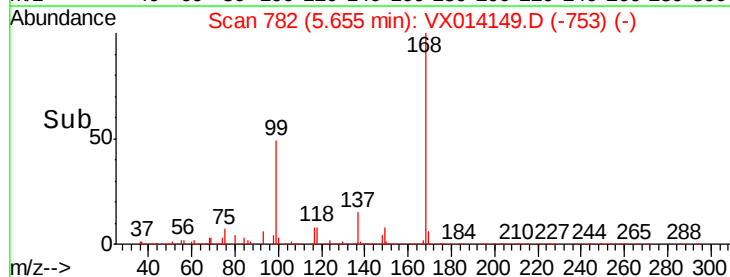
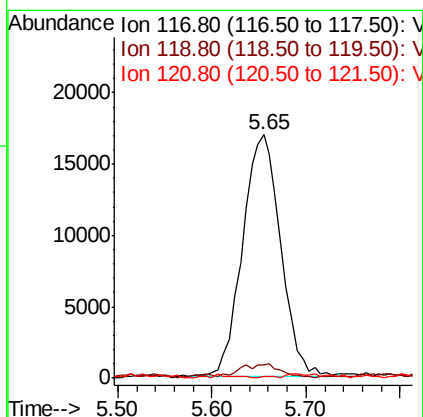
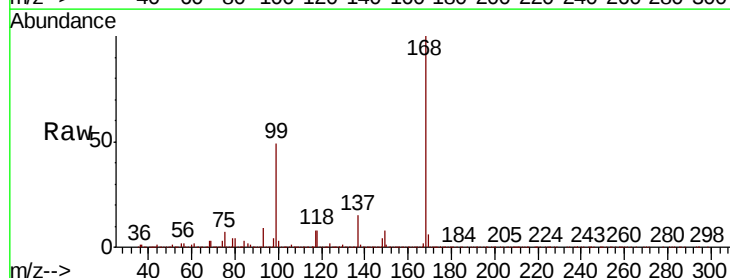
RT: 5.65 min Scan# 782

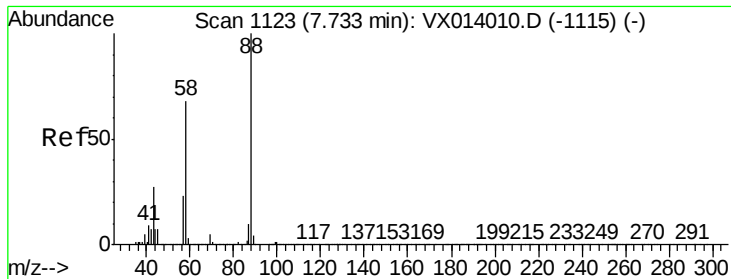
Delta R.T. -0.12 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Tgt Ion:	117	Resp:	48296
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.4#
121	0.5	23.6	35.4#





#49

1,4-Dioxane

Concen: 1.550 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

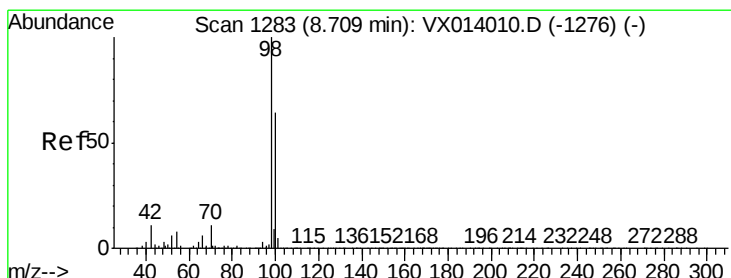
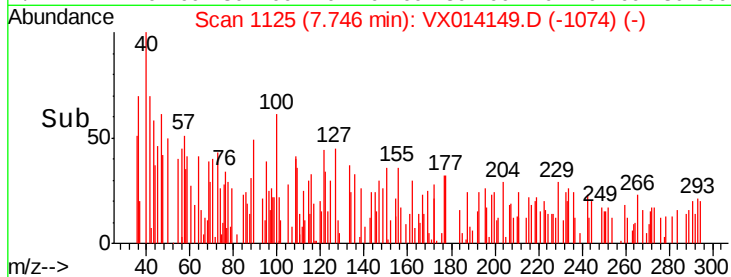
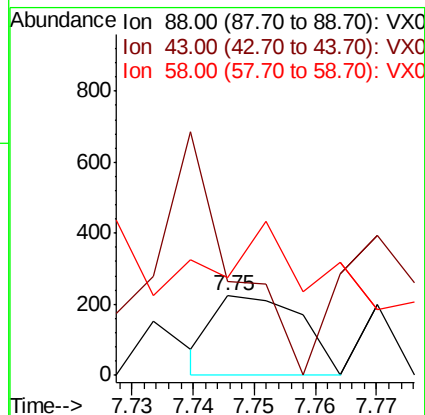
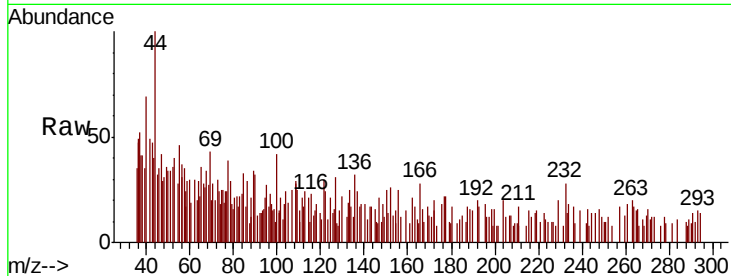
Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 221

Ion	Ratio	Lower	Upper
88	100		
43	274.7	26.5	39.7#
58	76.5	56.8	85.2



#50

Toluene-d8

Concen: 50.072 ug/l

RT: 8.71 min Scan# 1283

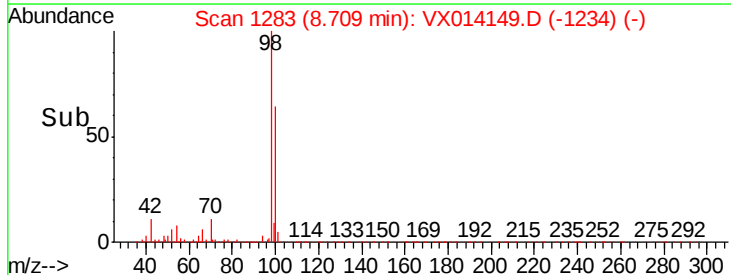
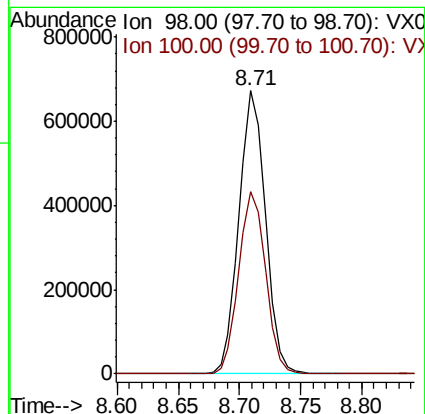
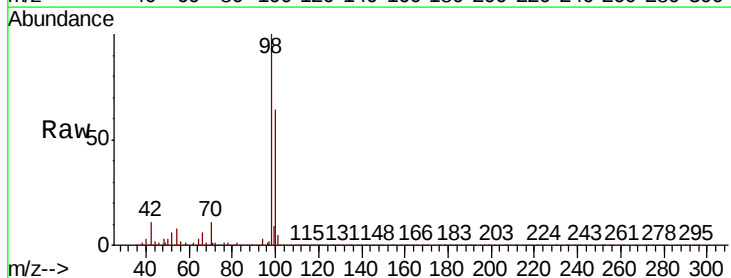
Delta R.T. 0.00 min

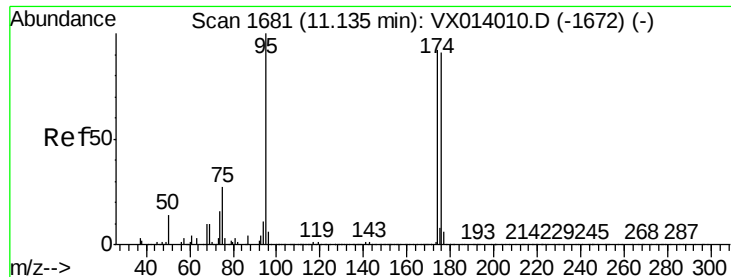
Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Tgt Ion: 98 Resp: 1011147

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3





#62

4-Bromofluorobenzene

Concen: 46.173 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

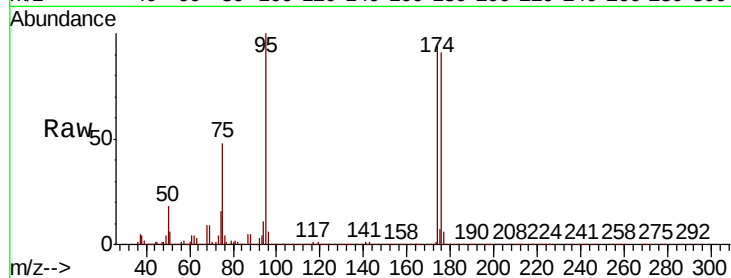
Tot Ion: 95 Resp: 340836

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.8

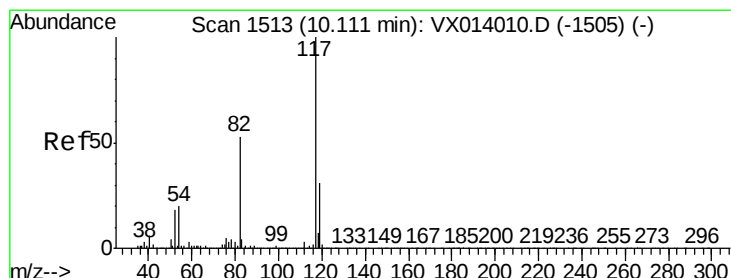
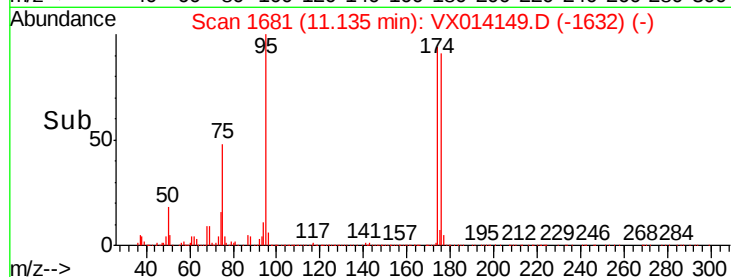
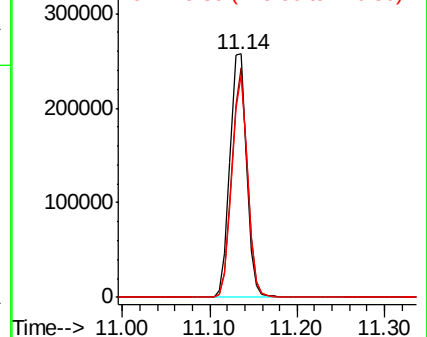
176 86.3 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

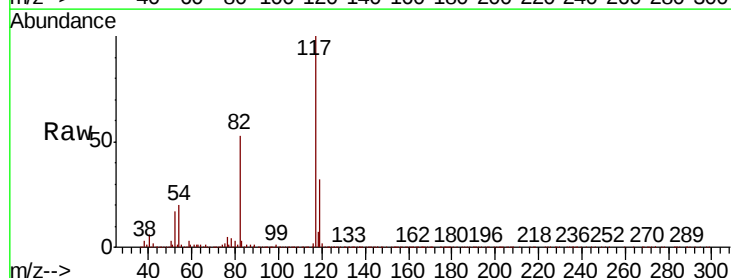
Tgt Ion: 117 Resp: 762465

Ion Ratio Lower Upper

117 100

82 52.9 42.2 63.4

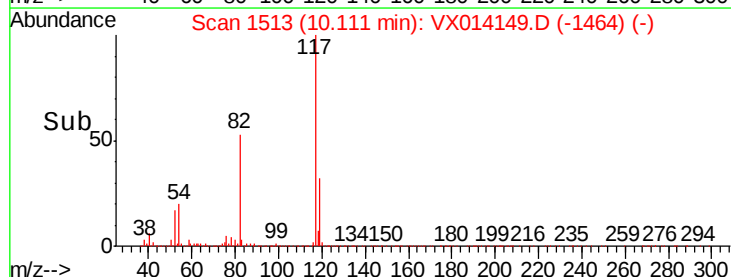
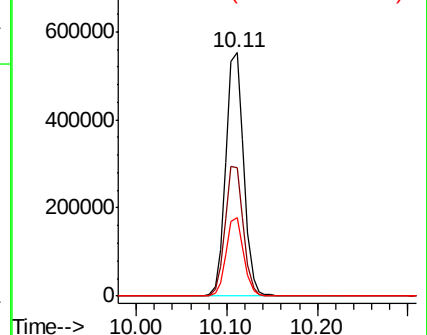
119 32.0 25.1 37.7

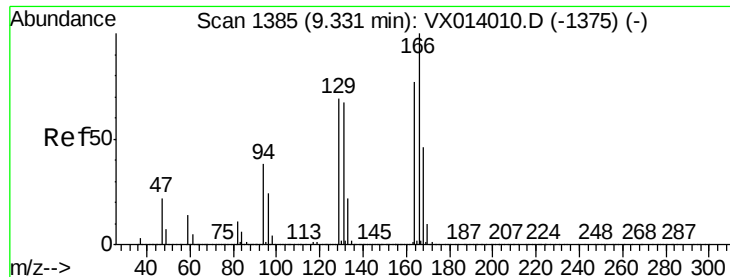


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

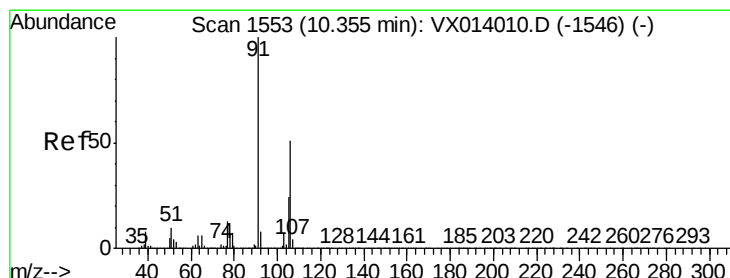
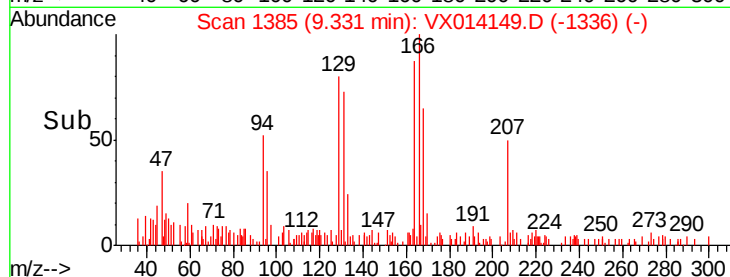
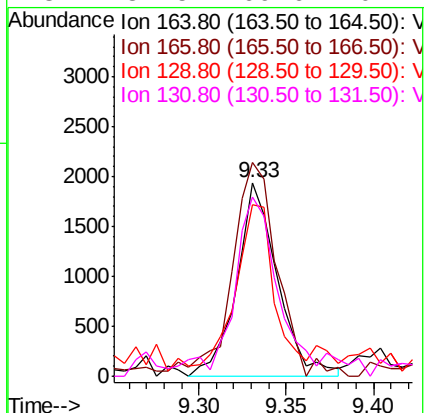
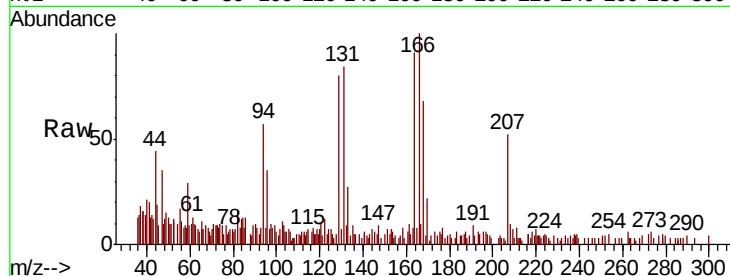




#64
Tetrachloroethene
Concen: 0.465 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

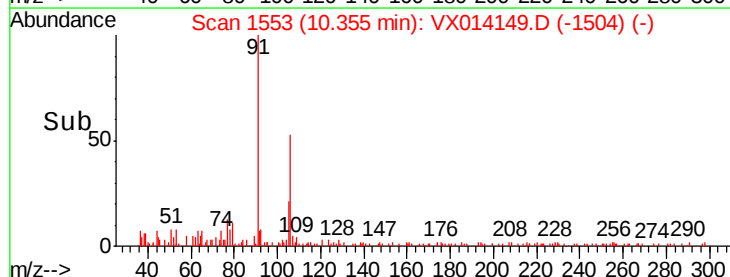
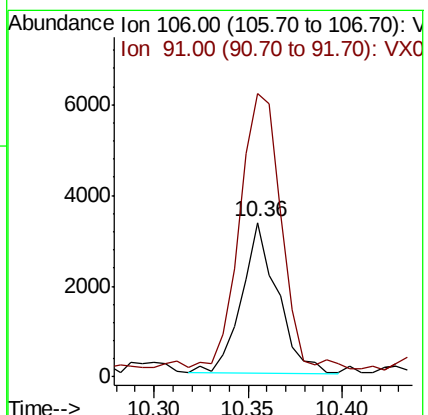
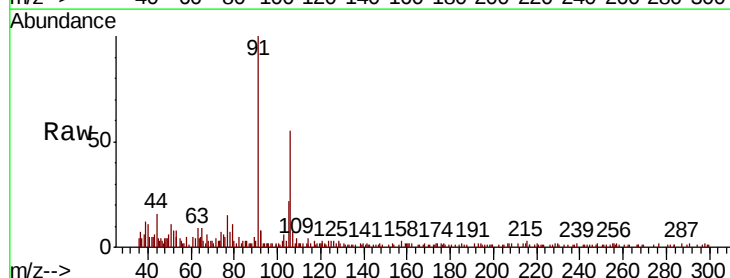
Instrument :
MSVOA_X
ClientSampleId :

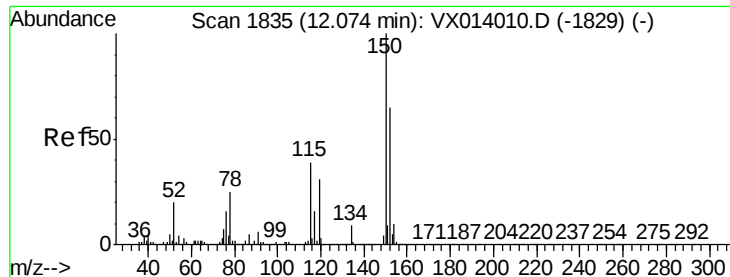
Tot Ion	Ratio	Lower	Upper
164	100		
166	105.7	104.0	156.0
129	83.5	72.2	108.4
131	84.5	69.6	104.4



#68
m/p-Xylenes
Concen: 0.409 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.8	158.6	238.0



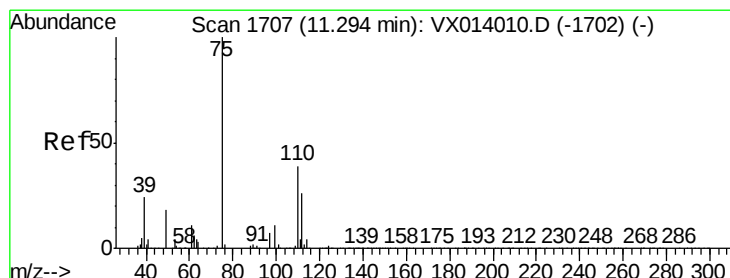
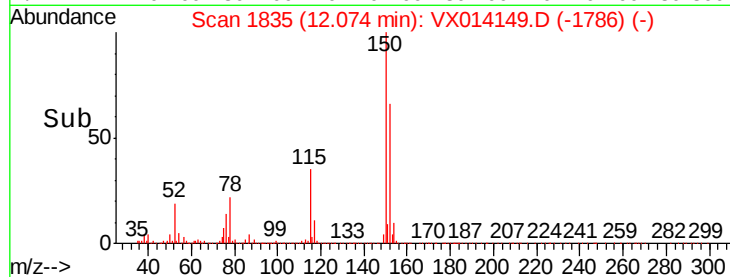
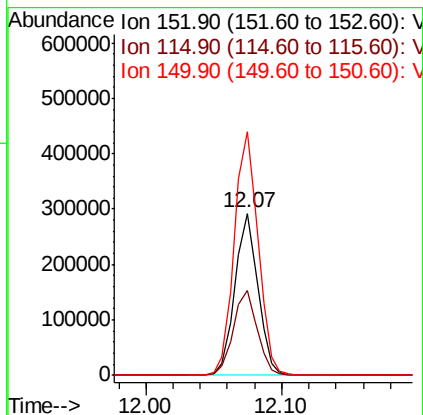
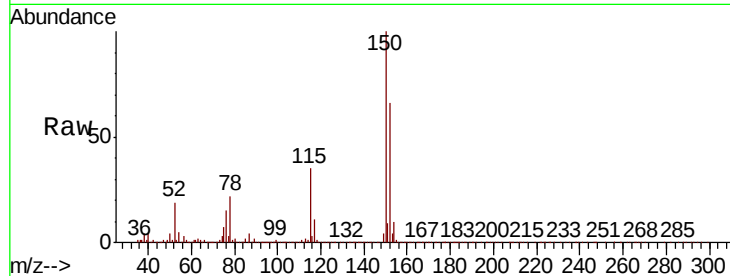


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

Instrument :
MSVOA_X
ClientSampleId :

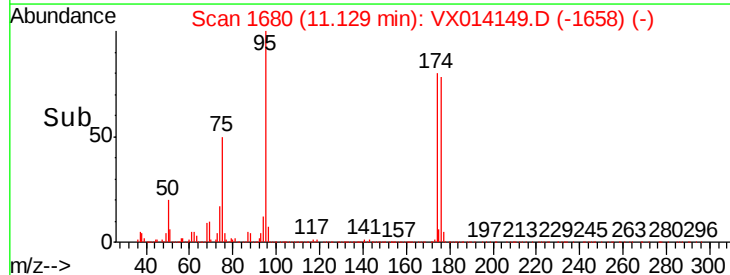
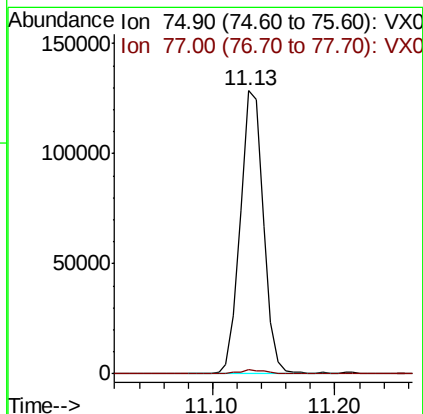
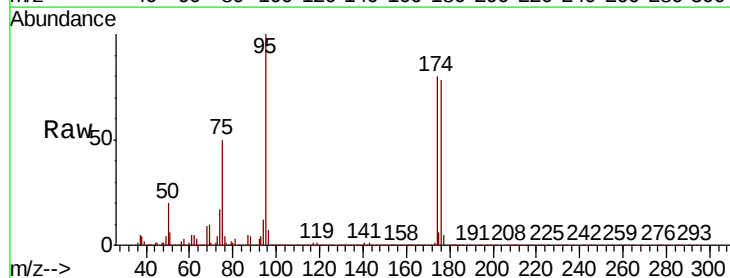
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.3	114.9
150	156.0	0.0	345.4

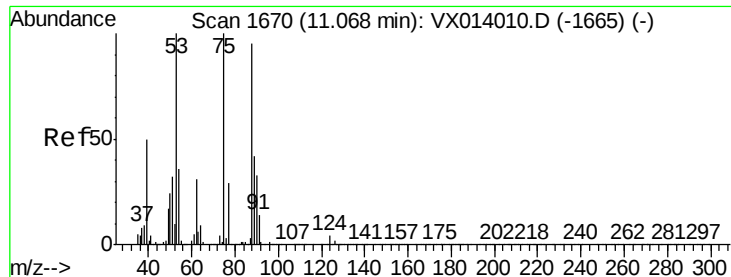


#76

1,2,3-Trichloropropane
Concen: 22.566 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014149.D
Acq: 20 Dec 2019 03:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.694 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014149.D

Acq: 20 Dec 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

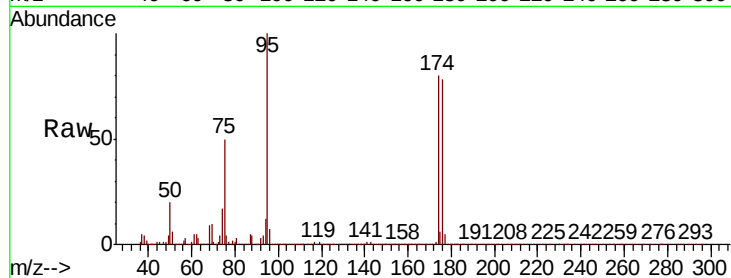
Tot Ion: 75 Resp: 168348

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

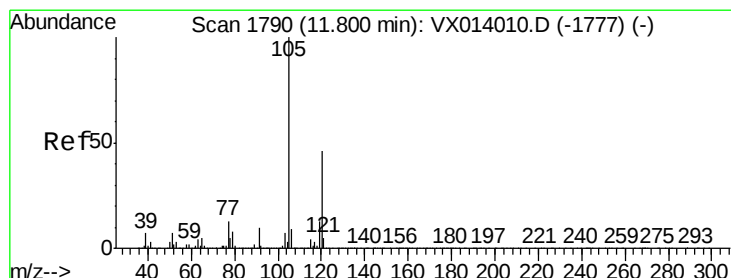
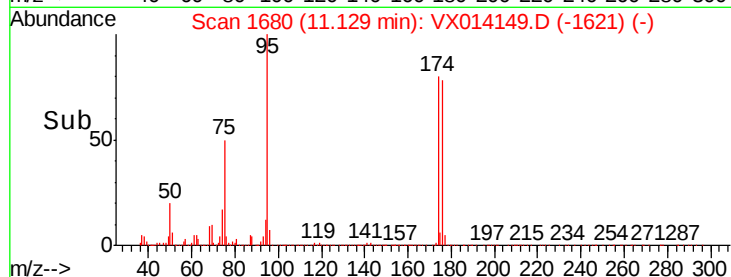
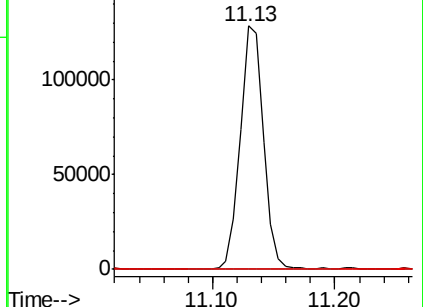
89 0.2 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.240 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX014149.D

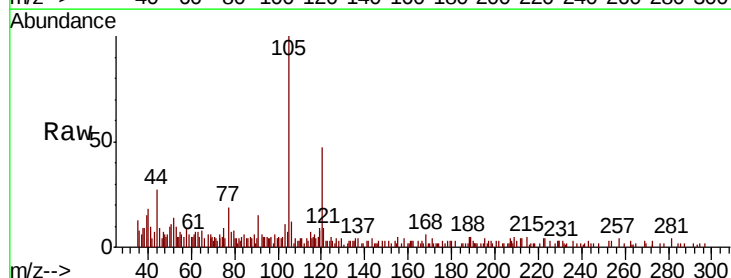
Acq: 20 Dec 2019 03:42

Tgt Ion:105 Resp: 4899

Ion Ratio Lower Upper

105 100

120 61.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

