

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014434.D
 Acq On : 06 Jan 2020 17:52
 Operator : JC/SP
 Sample : L1020-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:42:01 2020
 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	562668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855887	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	771149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354421	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	298584	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.49	113	249803	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.71	98	1004522	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	346274	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

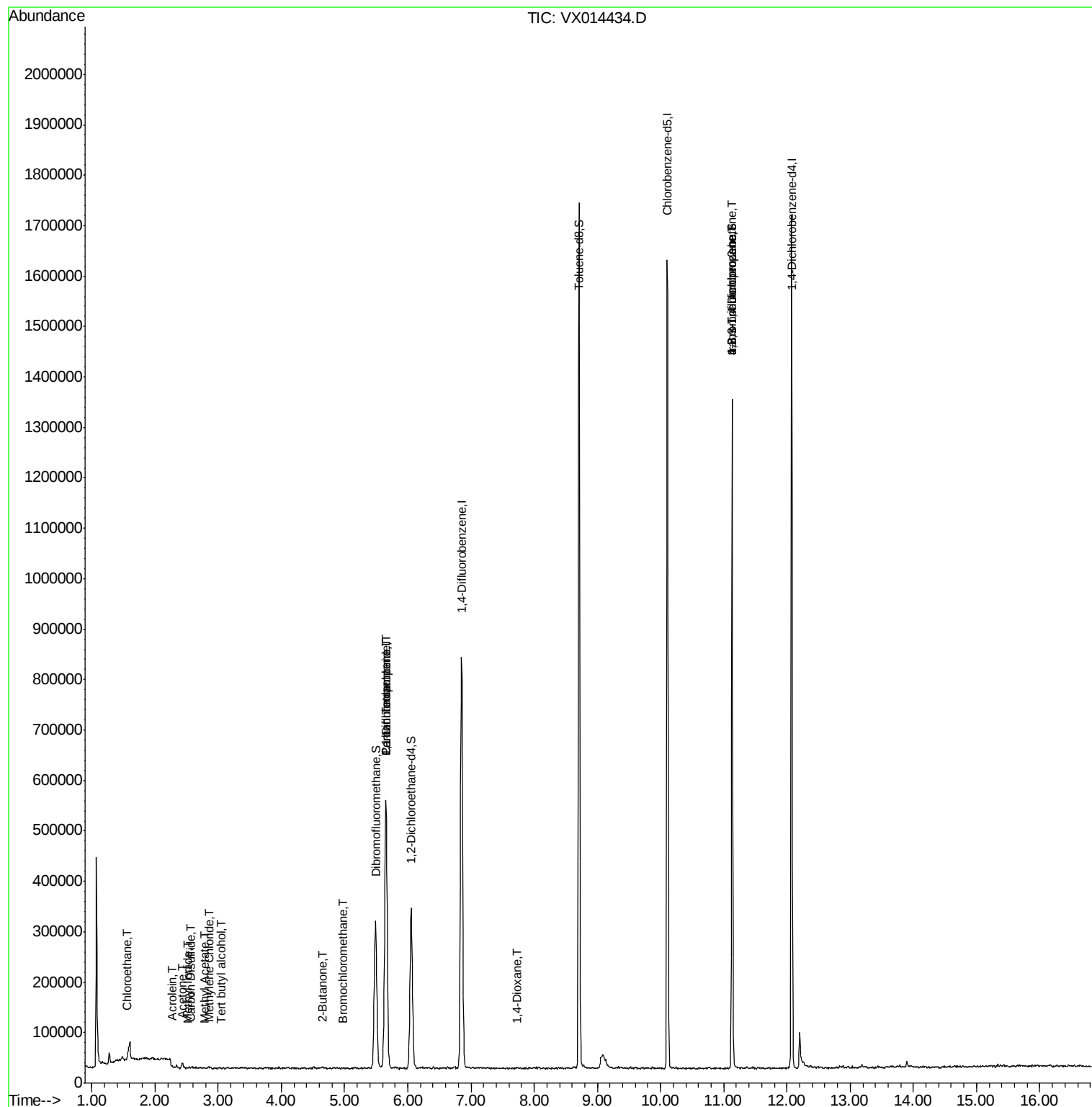
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	1837	0.418	ug/l	90
10) Methyl Iodide	2.51	142	1201	2.783	ug/l	98
11) Tert butyl alcohol	3.04	59	608	0.441	ug/l #	19
13) Acrolein	2.28	56	177	0.224	ug/l #	1
16) Acetone	2.43	43	11948	2.886	ug/l	94
17) Carbon Disulfide	2.56	76	868	0.807	ug/l #	66
18) Methyl Acetate	2.78	43	2242	0.273	ug/l #	51
20) Methylene Chloride	2.86	84	2346	0.360	ug/l #	81
25) 2-Butanone	4.66	43	3490	0.684	ug/l #	49
28) Bromochloromethane	4.98	49	288	0.523	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	36928	4.702	ug/l #	50
38) Carbon Tetrachloride	5.65	117	48742	6.813	ug/l #	15
49) 1,4-Dioxane	7.73	88	166	1.161	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	167645	21.788	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	167645	61.497	ug/l #	12

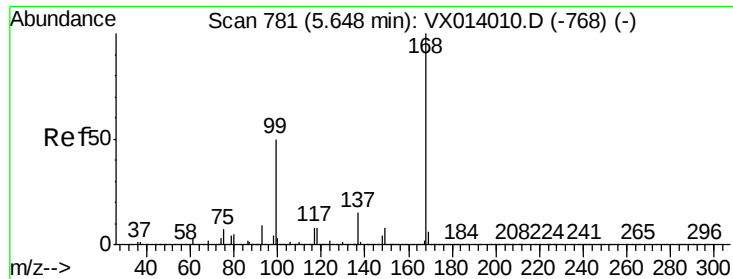
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

Instrument :

MSVOA_X

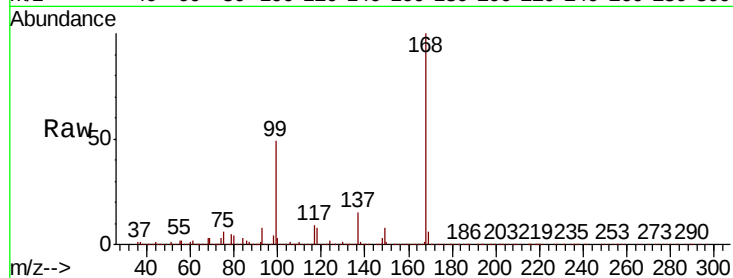
ClientSampled :

Tot Ion:168 Resp: 562668

Ion Ratio Lower Upper

168 100

99 48.7 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

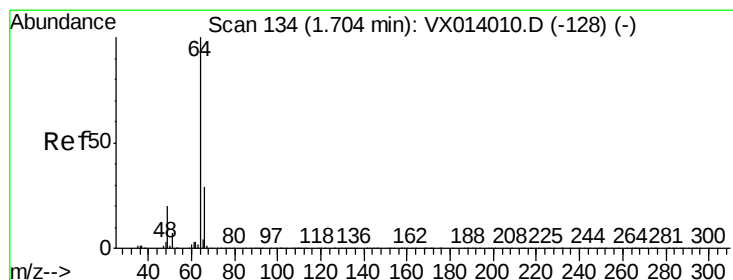
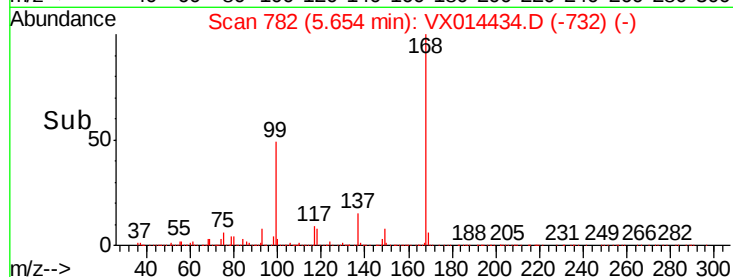
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.418 ug/l

RT: 1.56 min Scan# 110

Delta R.T. -0.15 min

Lab File: VX014434.D

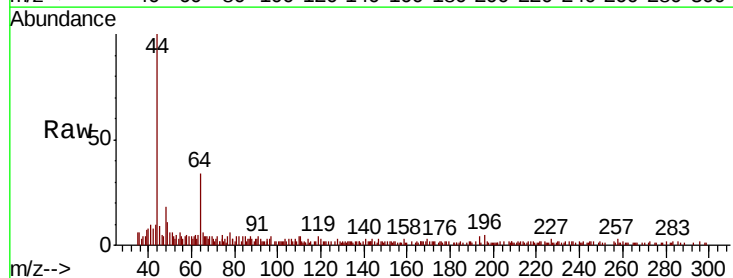
Acq: 06 Jan 2020 17:52

Tgt Ion: 64 Resp: 1837

Ion Ratio Lower Upper

64 100

66 23.9 23.4 35.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.56

3000

2500

2000

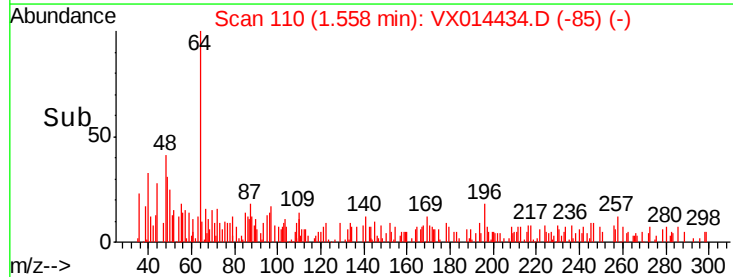
1500

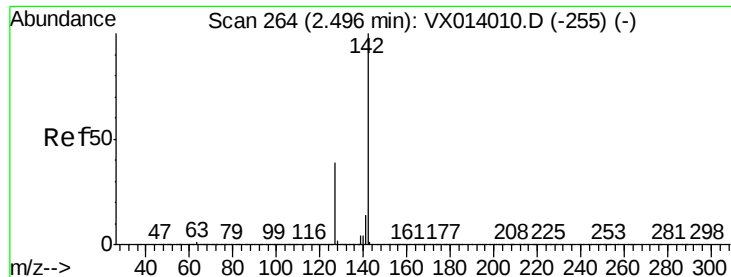
1000

500

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Time-->

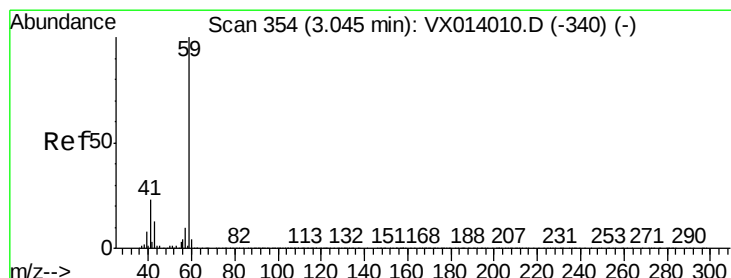
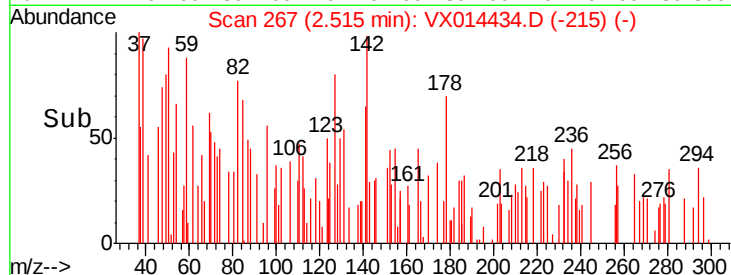
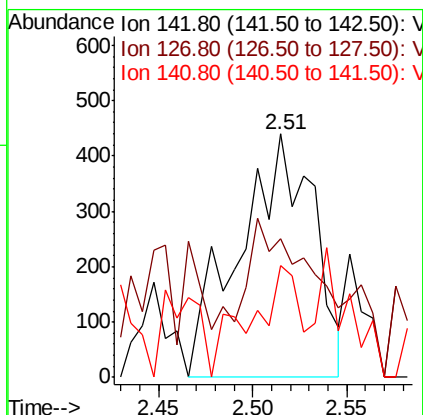
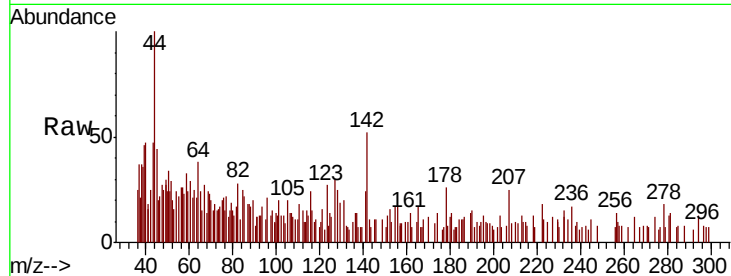




#10
Methyl Iodide
Concen: 2.783 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

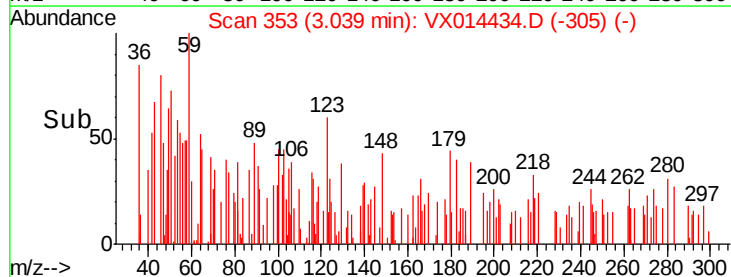
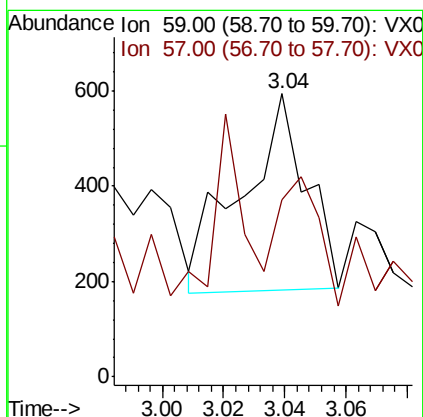
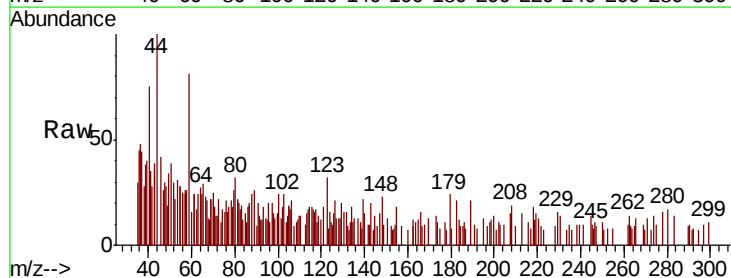
Instrument :
MSVOA_X
ClientSampled :

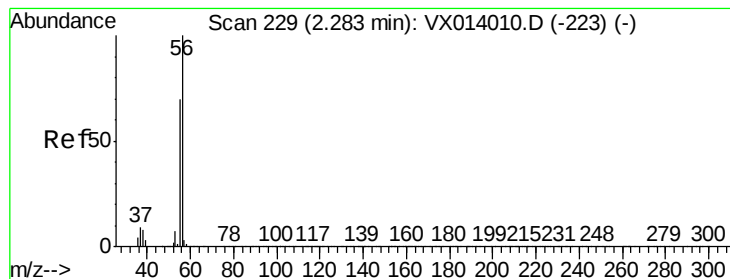
Tot Ion:142 Resp: 1201
Ion Ratio Lower Upper
142 100
127 41.1 31.6 47.4
141 15.2 11.6 17.4



#11
Tert butyl alcohol
Concen: 0.441 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.01 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

Tgt Ion: 59 Resp: 608
Ion Ratio Lower Upper
59 100
57 41.0 8.4 12.6#





#13

Acrolein

Concen: 0.224 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

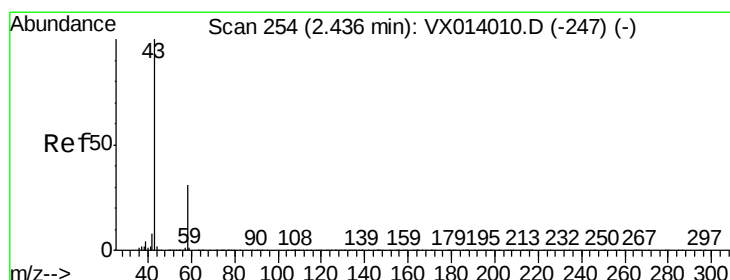
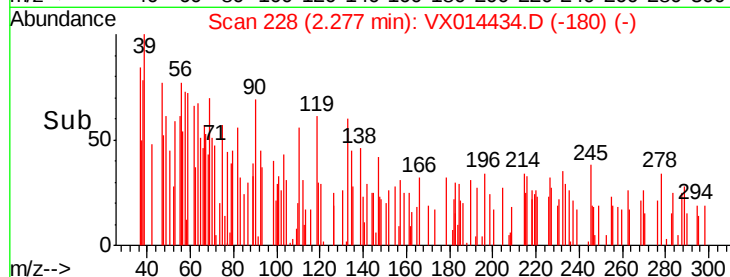
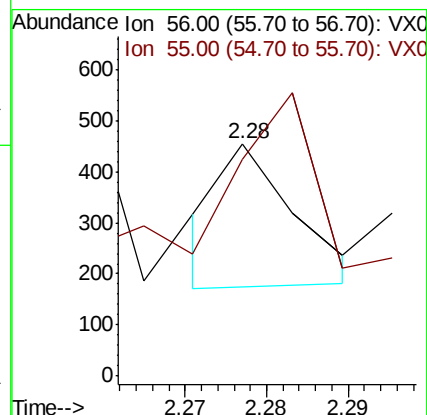
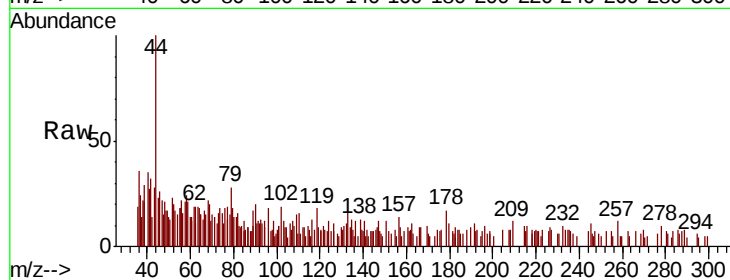
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 418.6 56.9 85.3#



#16

Acetone

Concen: 2.886 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014434.D

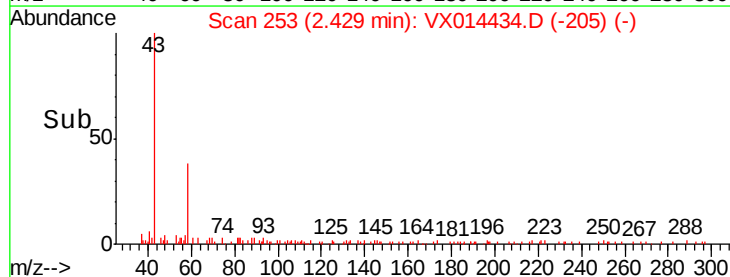
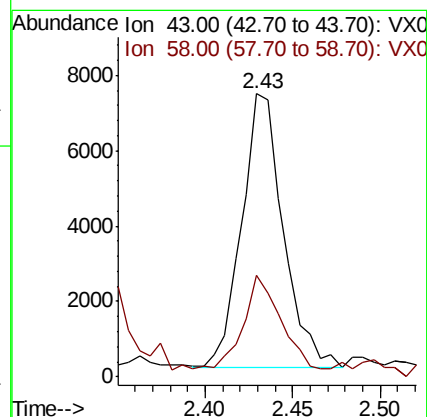
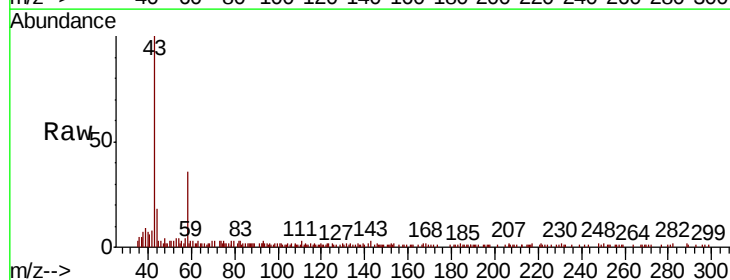
Acq: 06 Jan 2020 17:52

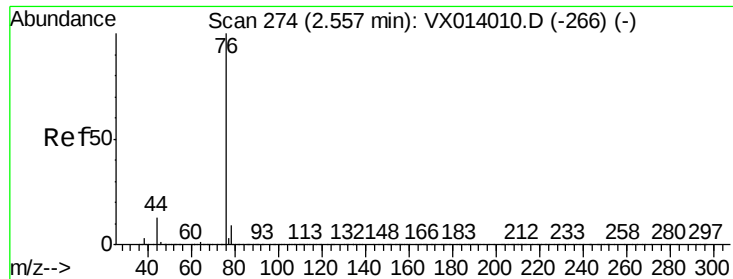
Tgt Ion: 43 Resp: 11948

Ion Ratio Lower Upper

43 100

58 34.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.807 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

Instrument :

MSVOA_X

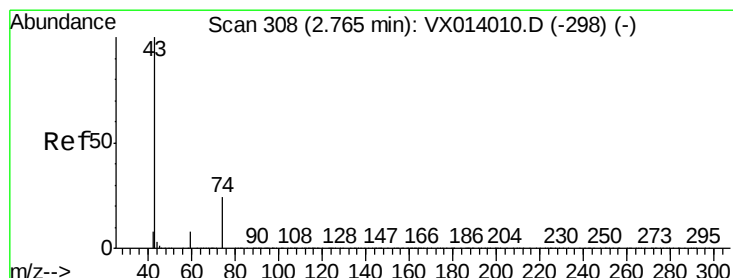
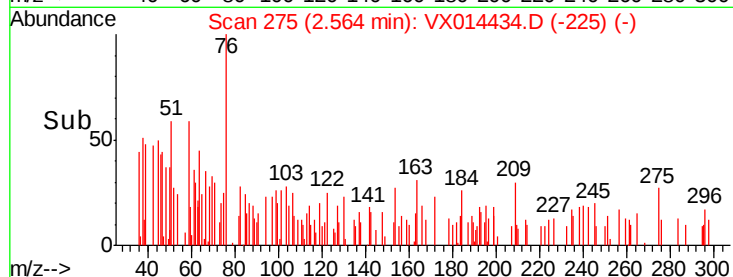
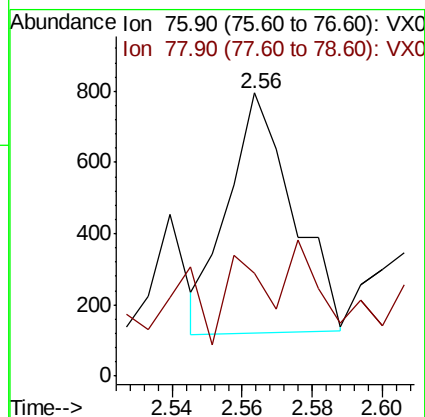
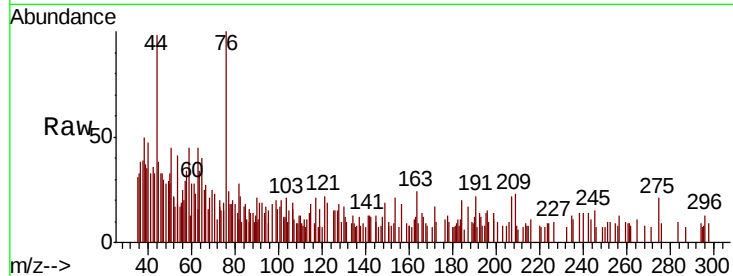
ClientSampled :

Tot Ion: 76 Resp: 868

Ion Ratio Lower Upper

76 100

78 21.3 7.2 10.8#



#18

Methyl Acetate

Concen: 0.273 ug/l

RT: 2.78 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX014434.D

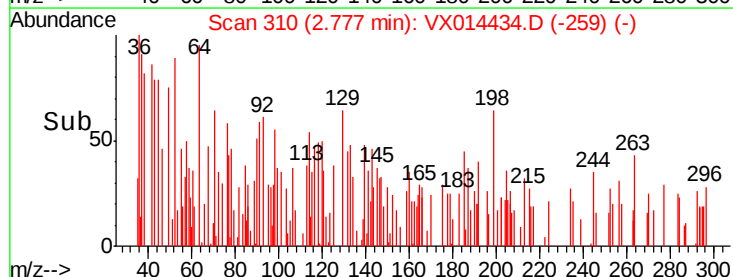
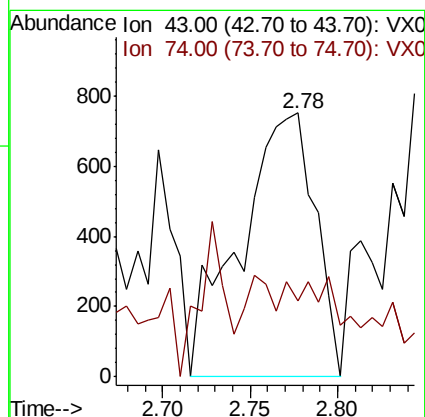
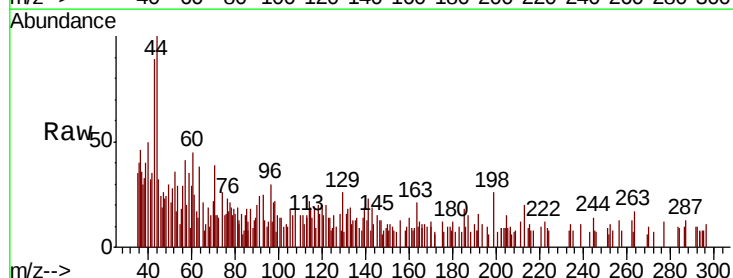
Acq: 06 Jan 2020 17:52

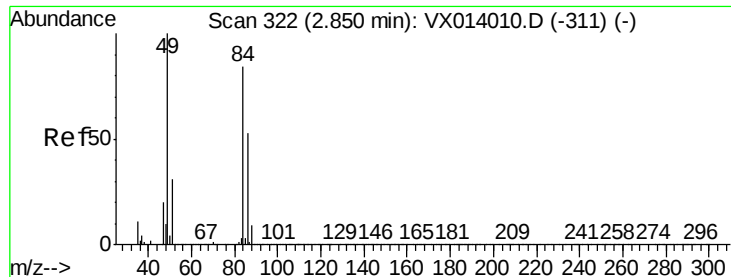
Tgt Ion: 43 Resp: 2242

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#

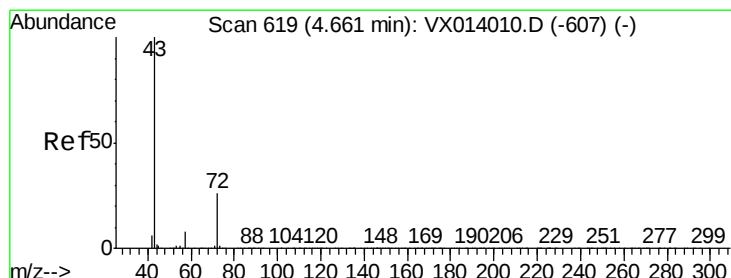
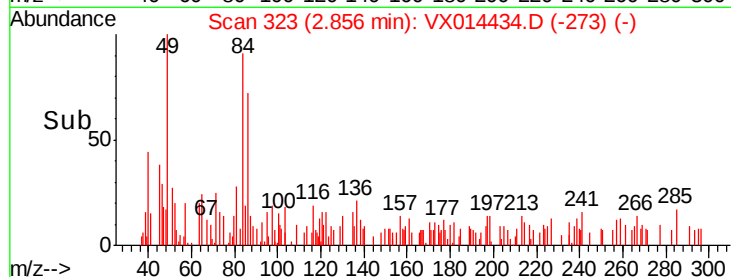
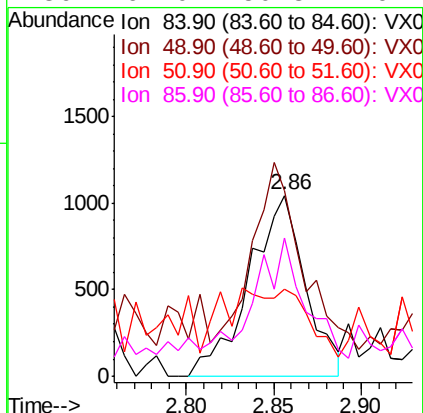
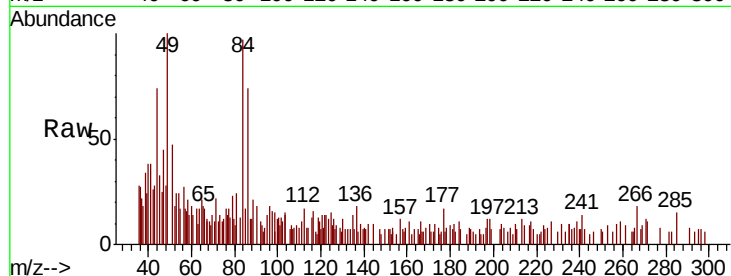




#20
Methvlene Chloride
Concen: 0.360 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

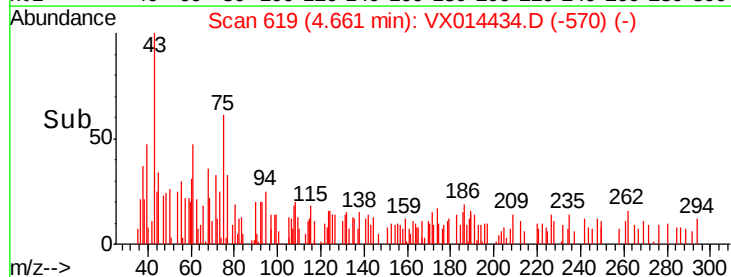
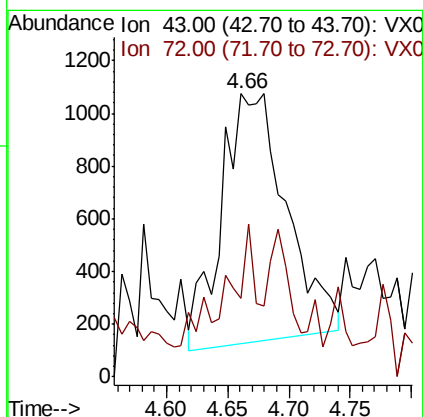
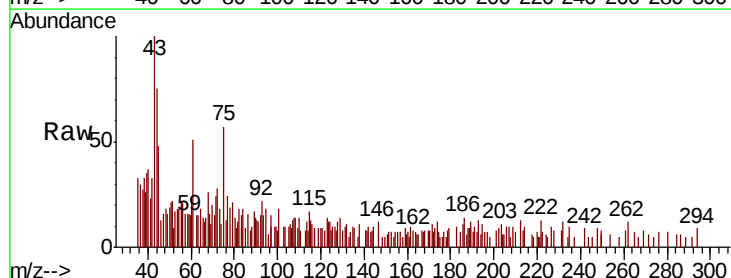
Instrument :
MSVOA_X
ClientSampleId :

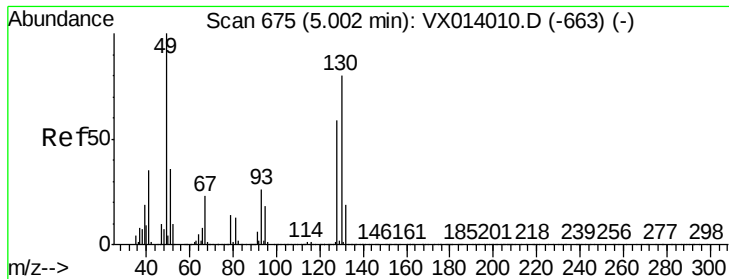
Tot Ion: 84 Resp: 2346
Ion Ratio Lower Upper
84 100
49 81.9 95.8 143.6#
51 37.3 29.8 44.8
86 61.0 50.8 76.2



#25
2-Butanone
Concen: 0.684 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

Tgt Ion: 43 Resp: 3490
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#28

Bromochloromethane

Concen: 0.523 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

Instrument :
MSVOA_X
ClientSampleId :

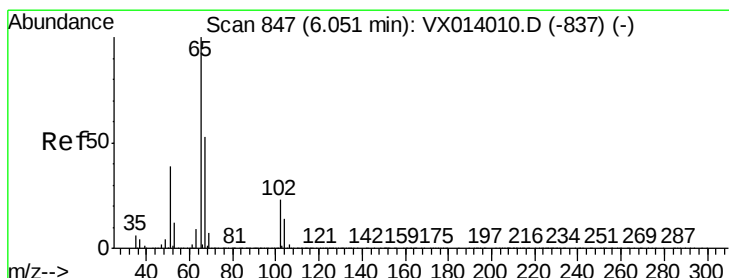
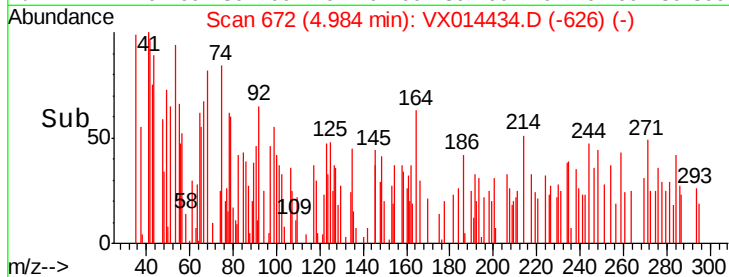
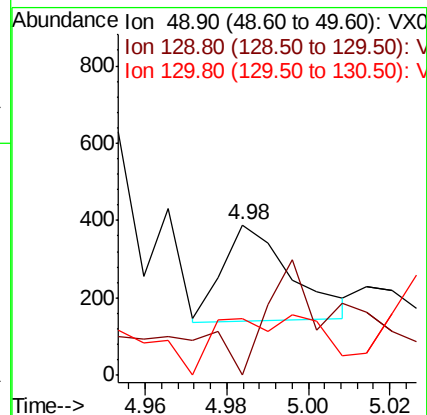
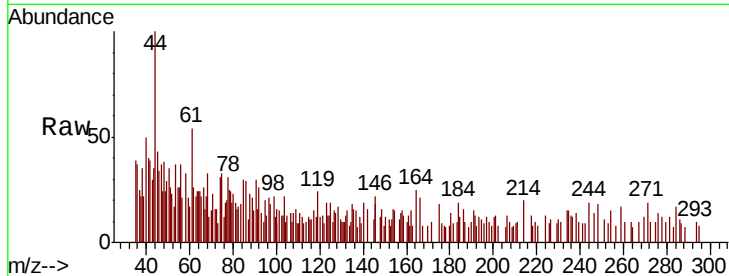
Tot Ion: 49 Resp: 288

Ion Ratio Lower Upper

49 100

129 63.2 0.0 5.0#

130 0.0 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 46.822 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014434.D

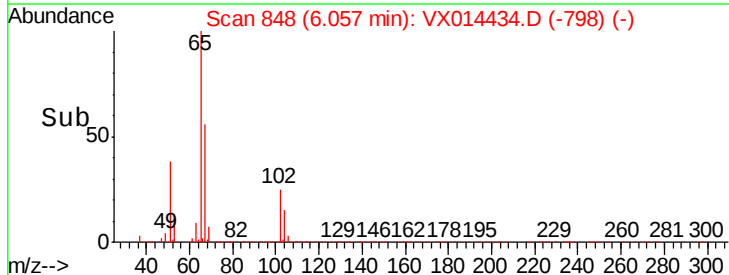
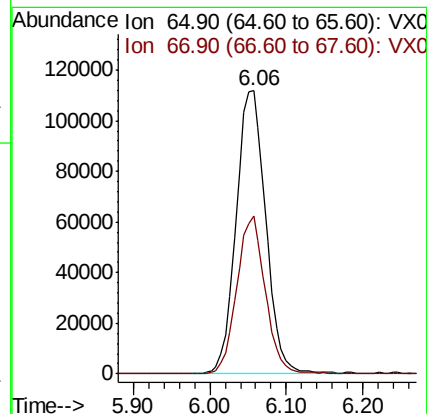
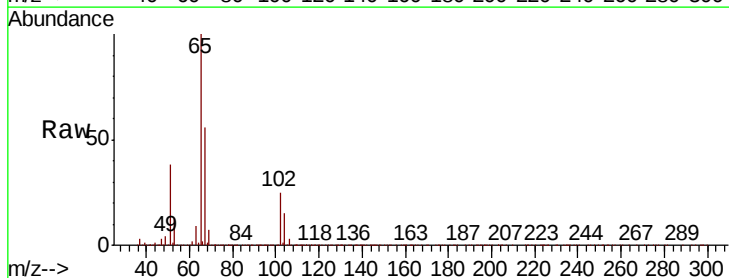
Acq: 06 Jan 2020 17:52

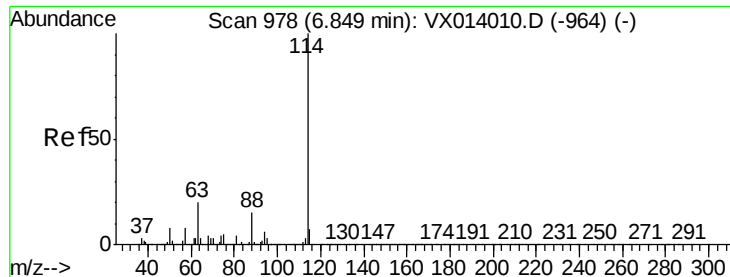
Tgt Ion: 65 Resp: 298584

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

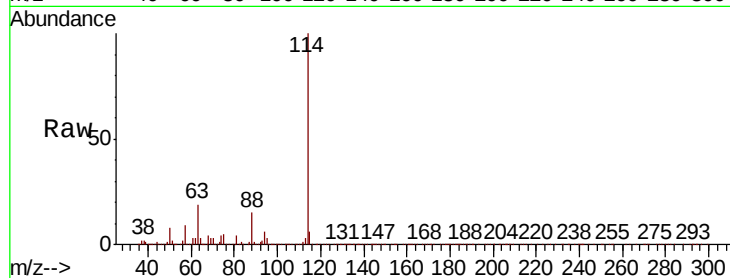
Tot Ion:114 Resp: 855887

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

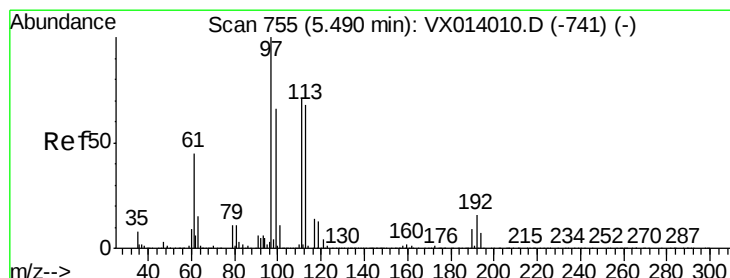
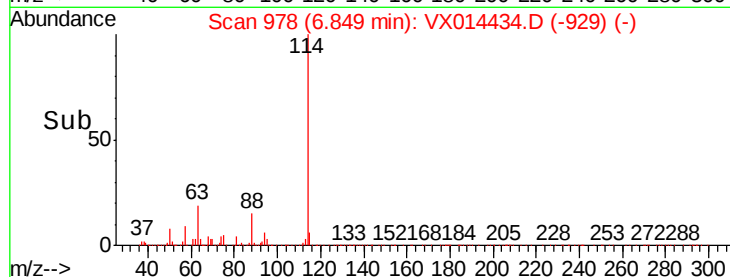
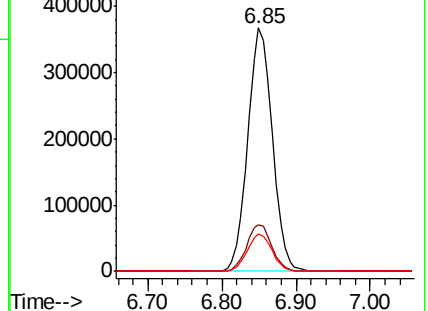
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.013 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

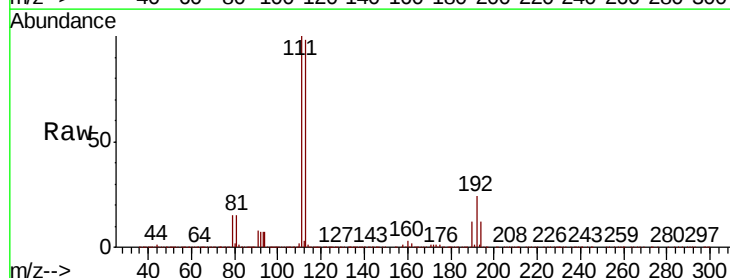
Tgt Ion:113 Resp: 249803

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

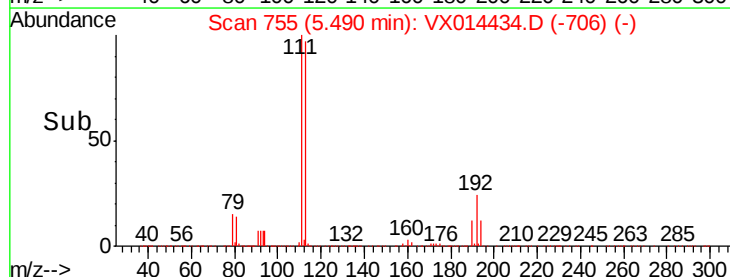
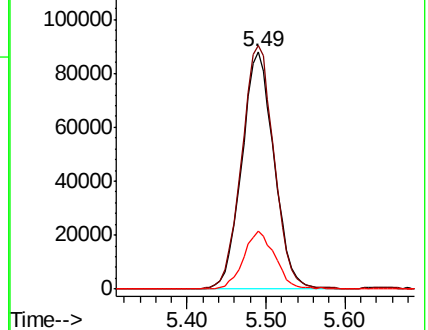
192 24.2 19.3 28.9

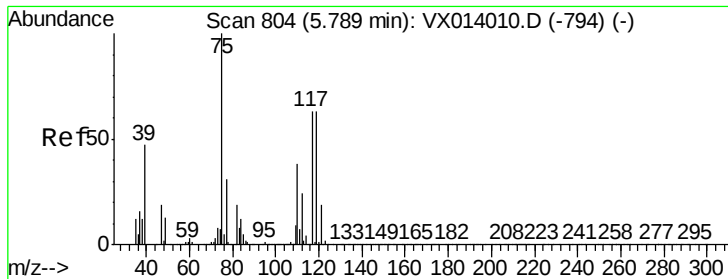


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

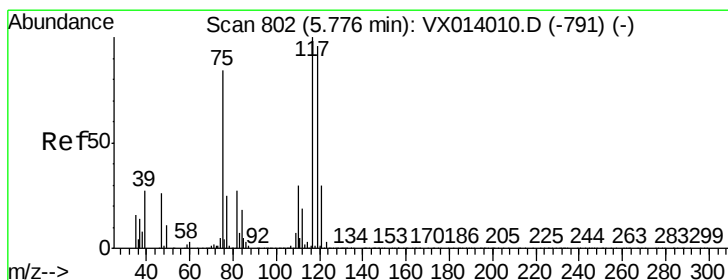
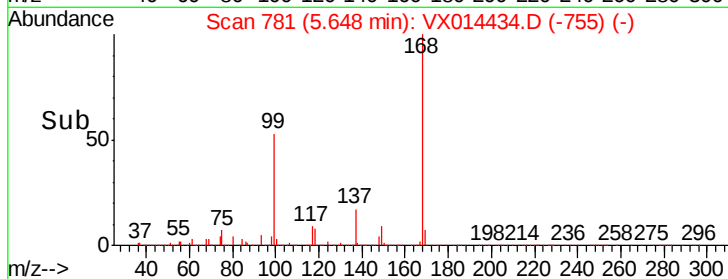
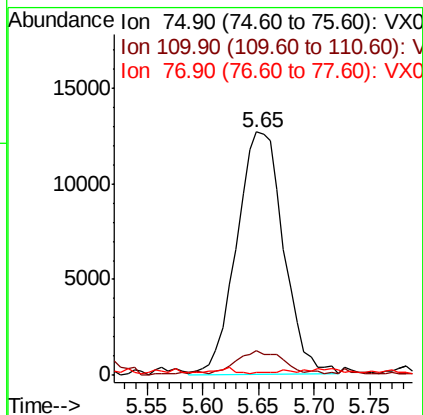
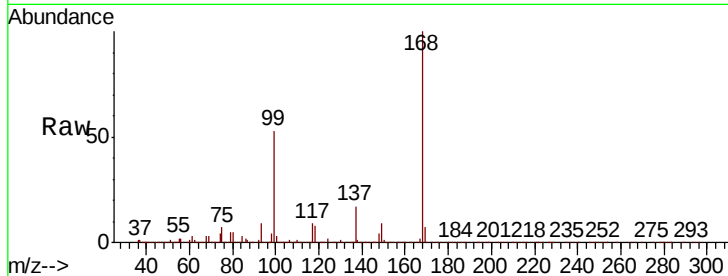




#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014434.D
 Acq: 06 Jan 2020 17:52

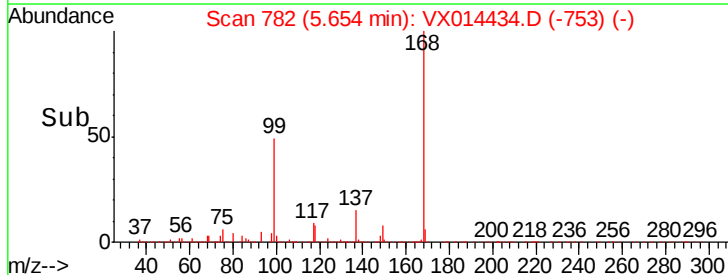
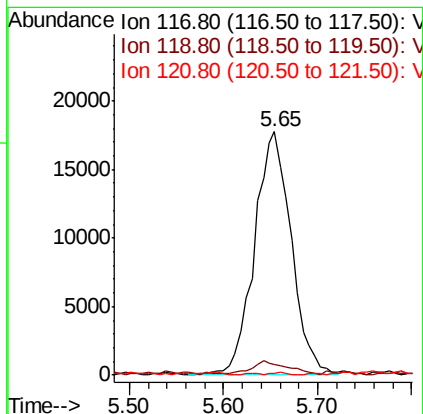
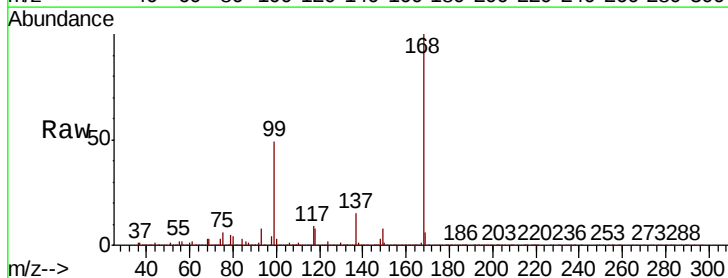
Instrument :
 MSVOA_X
 ClientSampleId :

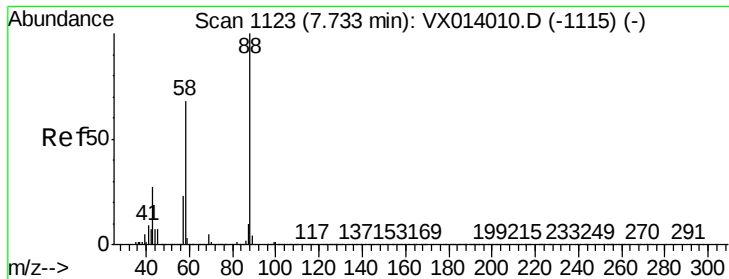
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.813 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014434.D
 Acq: 06 Jan 2020 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.2	114.4#
121	0.0	23.6	35.4#

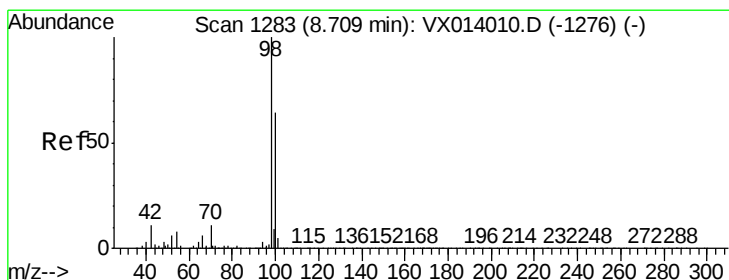
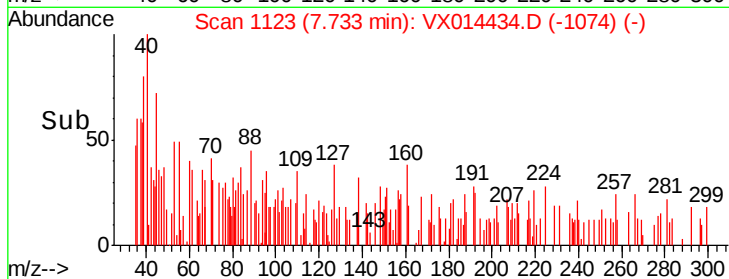
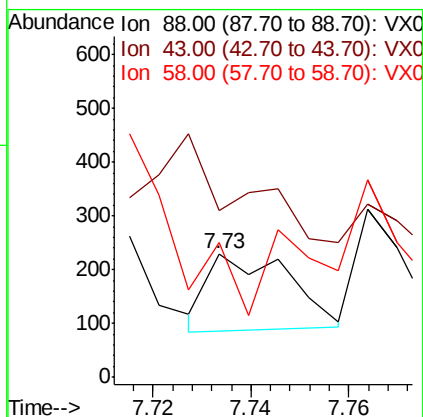
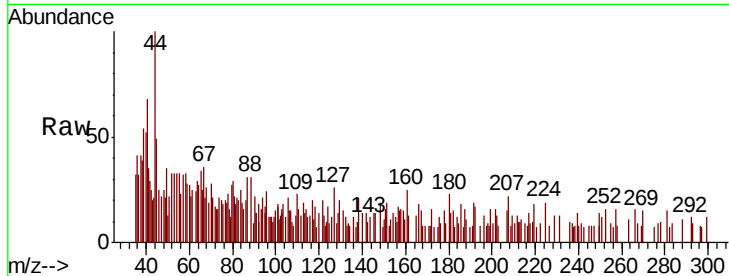




#49
1,4-Dioxane
Concen: 1.161 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

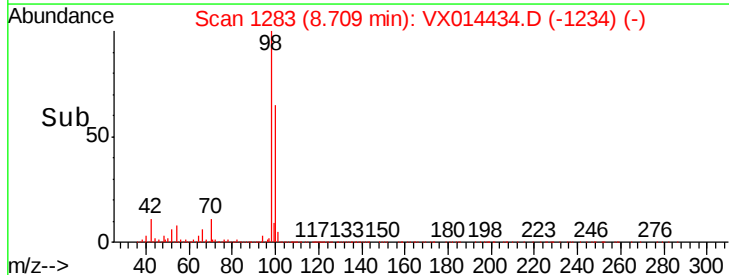
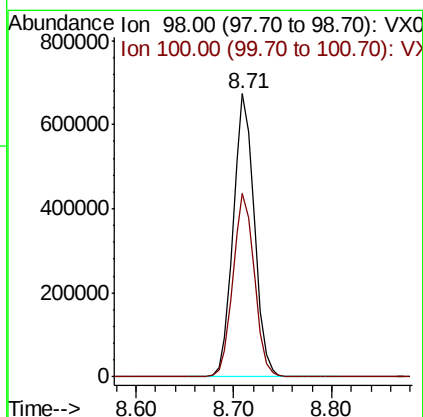
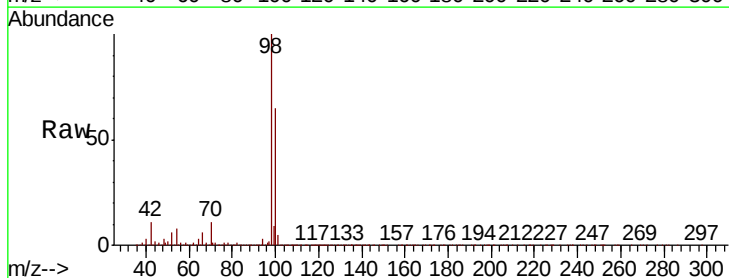
Instrument :
MSVOA_X
ClientSampled :

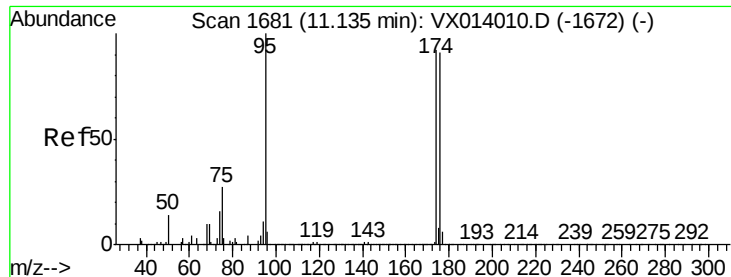
Tot Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 162.0 26.5 39.7#
58 0.0 56.8 85.2#



#50
Toluene-d8
Concen: 49.591 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

Tgt Ion: 98 Resp: 1004522
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3

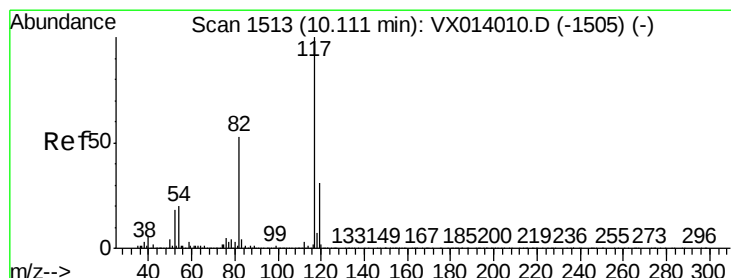
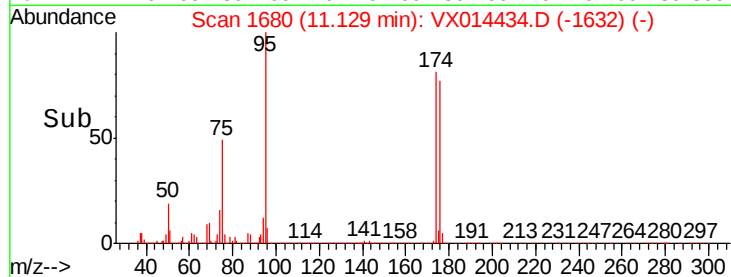
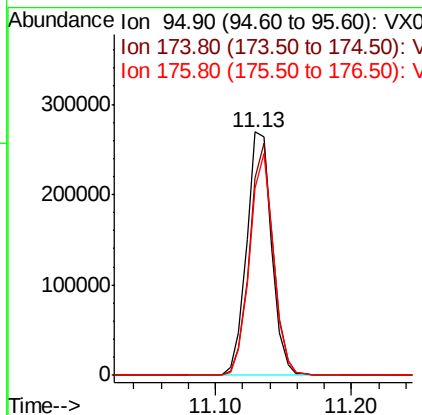
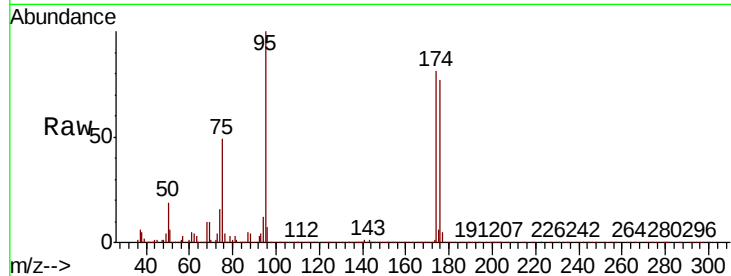




#62
4-Bromofluorobenzene
Concen: 46.766 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

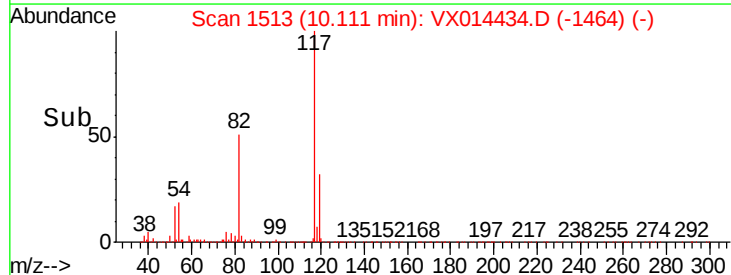
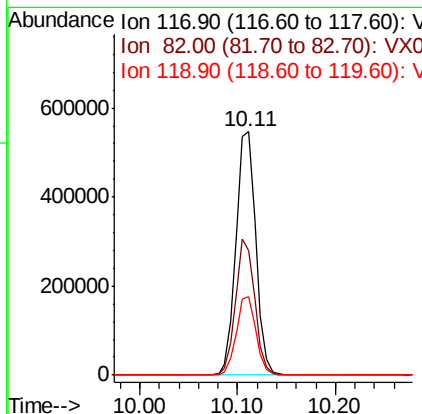
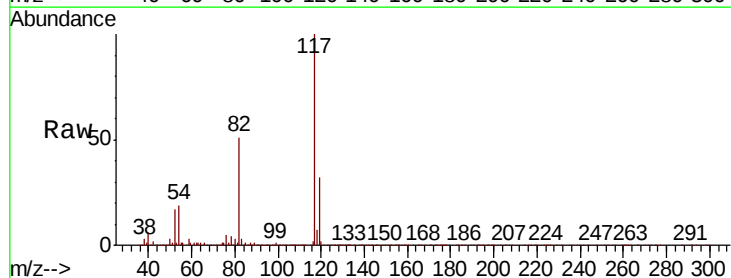
Instrument :
MSVOA_X
ClientSampleId :

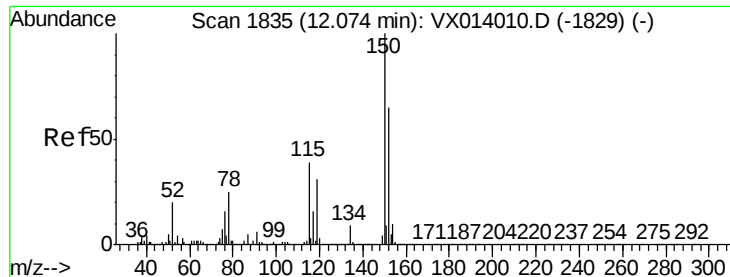
Tot Ion: 95 Resp: 346274
Ion Ratio Lower Upper
95 100
174 90.8 0.0 175.8
176 87.4 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

Tgt Ion: 117 Resp: 771149
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.4
119 32.4 25.1 37.7



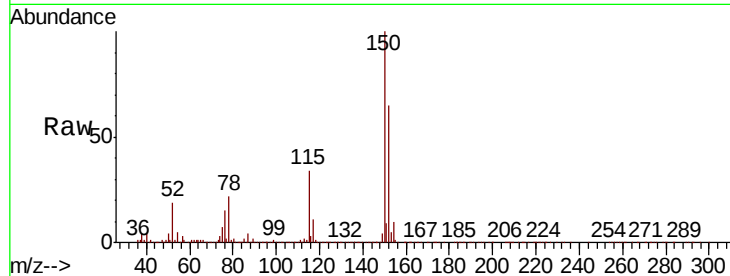


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.3	114.9
150	155.4	0.0	345.4

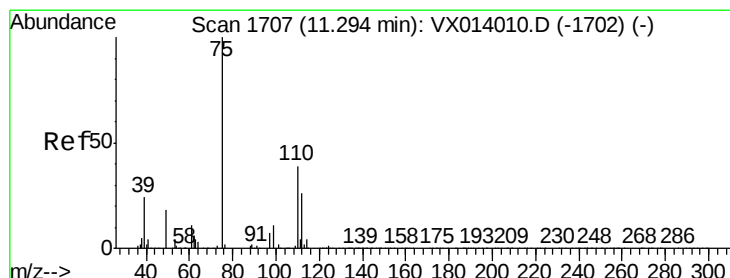
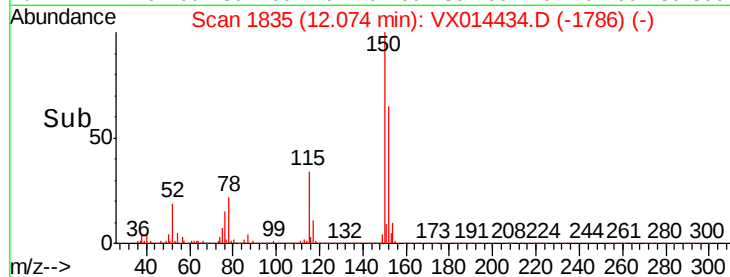
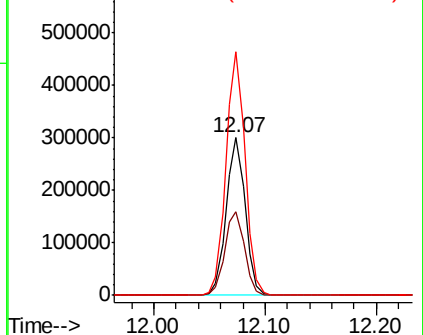


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

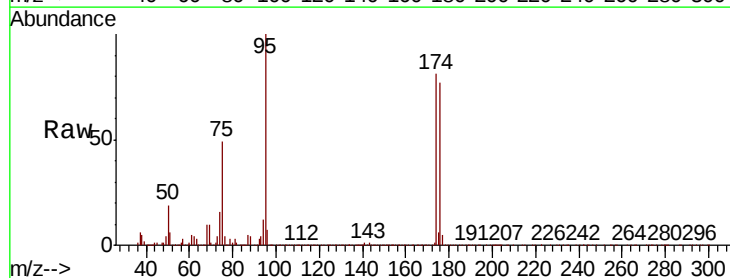
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 21.788 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014434.D
Acq: 06 Jan 2020 17:52

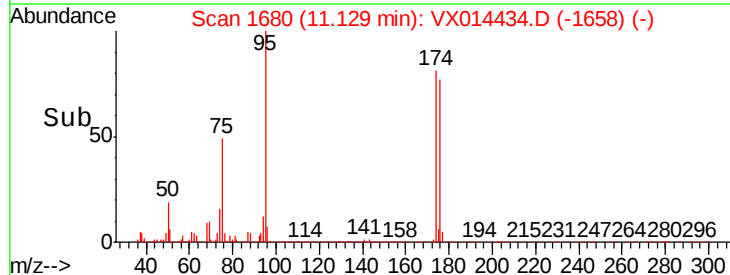
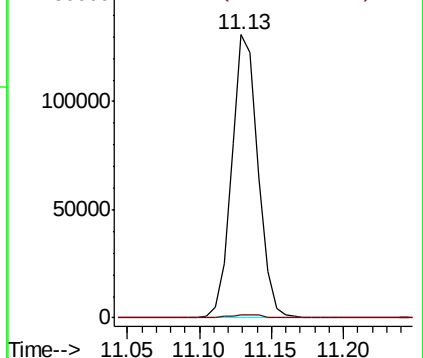
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.3	57.8#

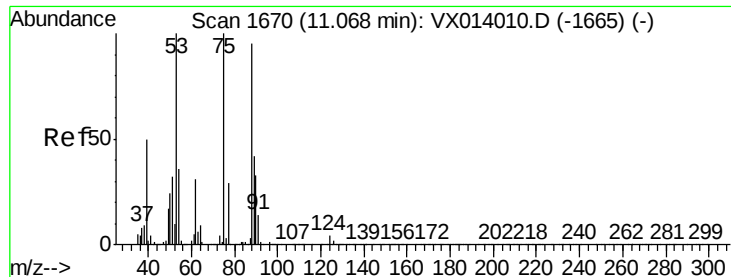


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.497 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014434.D

Acq: 06 Jan 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

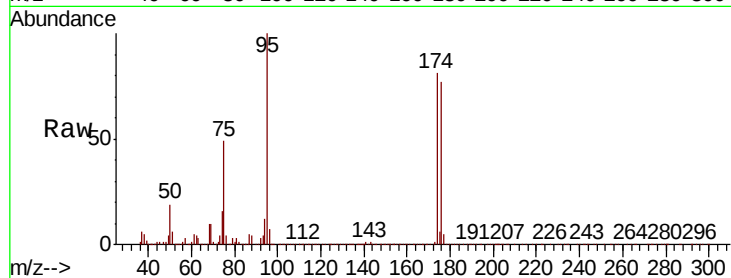
Tot Ion: 75 Resp: 167645

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.1 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

