

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012020\
 Data File : VX014670.D
 Acq On : 20 Jan 2020 15:07
 Operator : JC/SP
 Sample : L1173-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 21 00:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	449073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	705635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	641383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	289729	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	265186	52.90	ug/l	0.00
Spiked Amount						
			Recovery	=	105.80%	
35) Dibromofluoromethane	5.48	113	216276	50.63	ug/l	-0.01
Spiked Amount						
			Recovery	=	101.26%	
50) Toluene-d8	8.71	98	840892	50.73	ug/l	0.00
Spiked Amount						
			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	286356	47.06	ug/l	0.00
Spiked Amount						
			Recovery	=	94.12%	

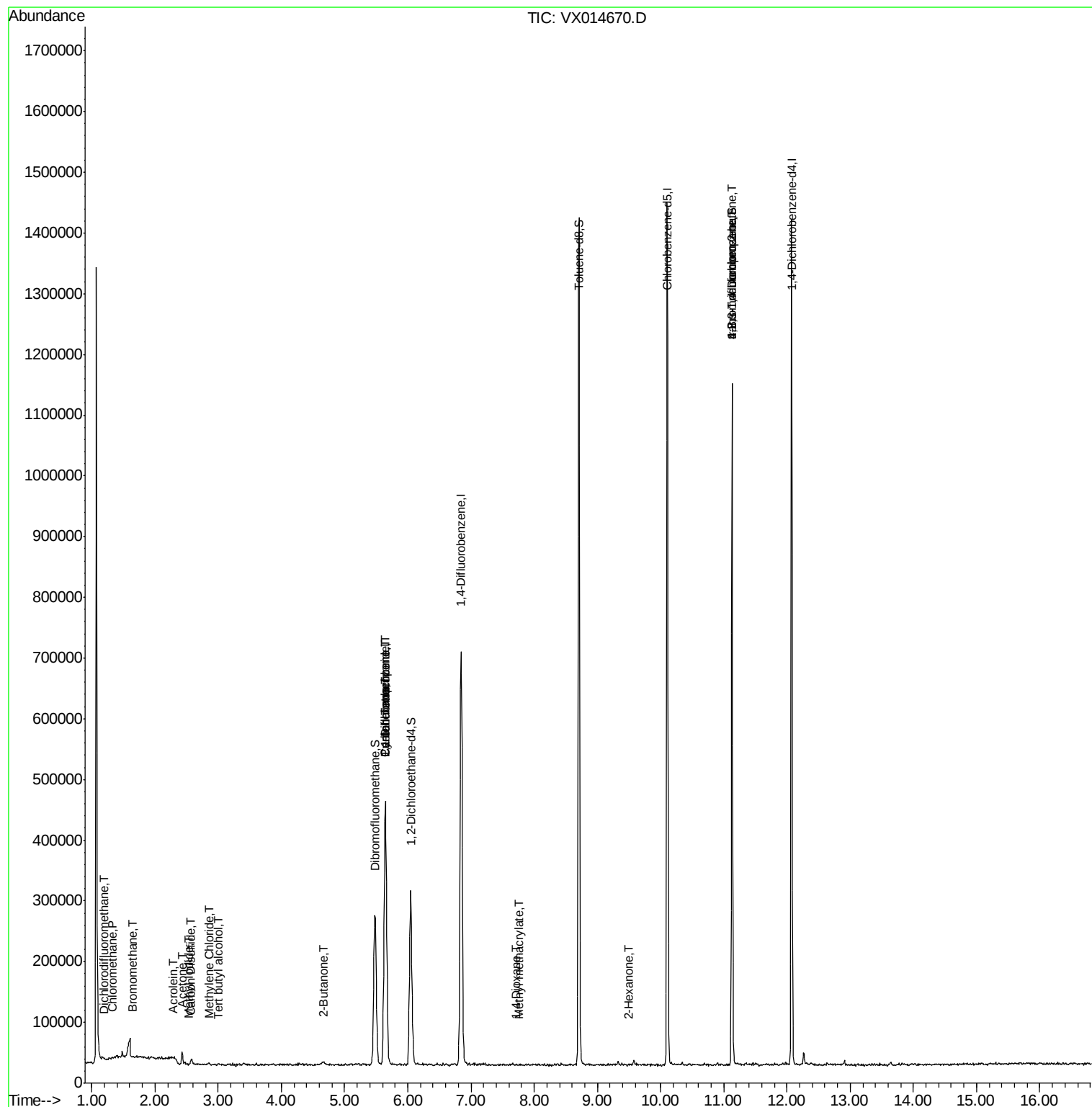
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	228	0.293	ug/l #	65
3) Chloromethane	1.32	50	1398	0.244	ug/l	92
5) Bromomethane	1.64	94	1117	0.264	ug/l	86
6) Chloroethane	1.72	64	464	Below Cal	#	1
10) Methyl Iodide	2.53	142	1729	0.328	ug/l #	71
11) Tert butyl alcohol	3.00	59	436	0.417	ug/l #	72
13) Acrolein	2.28	56	928	1.106	ug/l	98
16) Acetone	2.42	43	23850	5.400	ug/l	96
17) Carbon Disulfide	2.56	76	3527	0.285	ug/l #	74
20) Methylene Chloride	2.86	84	1409	0.279	ug/l #	71
25) 2-Butanone	4.67	43	3824	1.021	ug/l #	72
31) Cyclohexane	5.65	56	7983	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	32568	4.908	ug/l #	49
38) Carbon Tetrachloride	5.64	117	40008	6.552	ug/l #	19
48) Methyl methacrylate	7.76	41	1419	0.254	ug/l #	38
49) 1,4-Dioxane	7.71	88	190	1.608	ug/l #	1
59) 2-Hexanone	9.50	43	1744	0.311	ug/l	64
76) 1,2,3-Trichloropropane	11.13	75	142717	23.808	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	142717	62.943	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	778	Below Cal		86
93) 1,2,4-Trichlorobenzene	13.64	180	704	Below Cal	#	77
96) 1,2,3-Trichlorobenzene	13.92	180	315	Below Cal		84

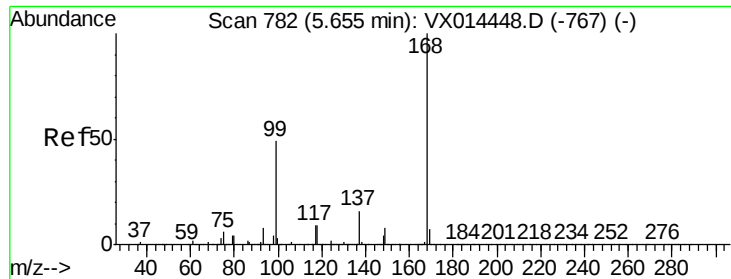
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

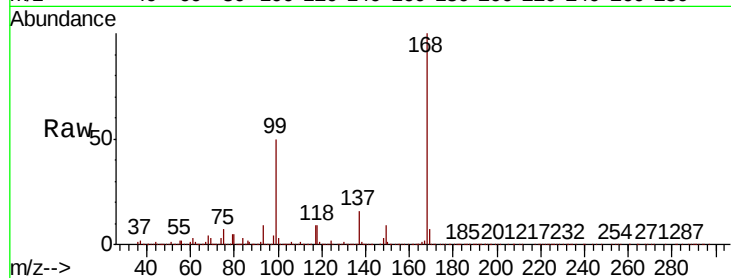
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 449073

Ion Ratio Lower Upper

168 100

99 50.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

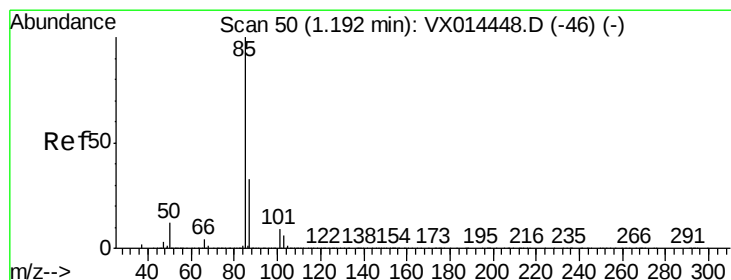
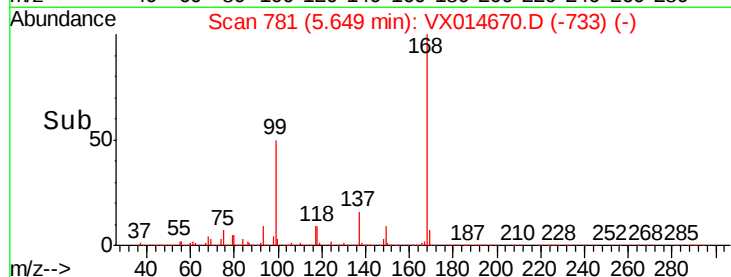
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.293 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014670.D

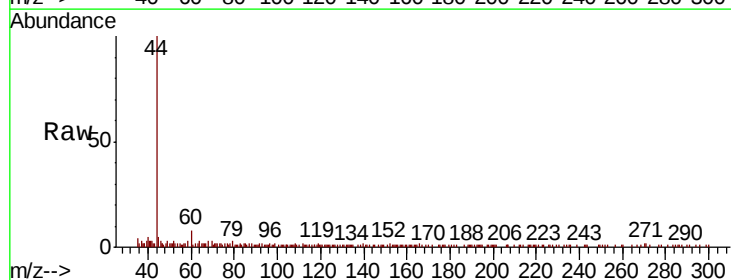
Acq: 20 Jan 2020 15:07

Tgt Ion: 85 Resp: 228

Ion Ratio Lower Upper

85 100

87 13.3 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300

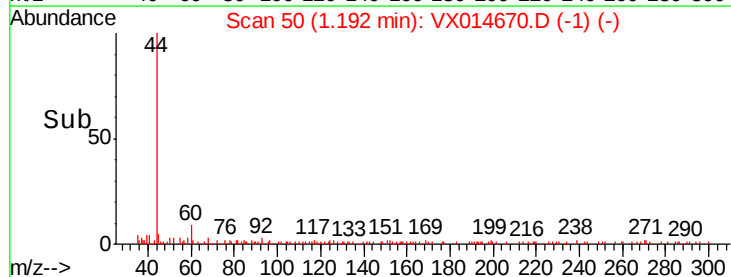
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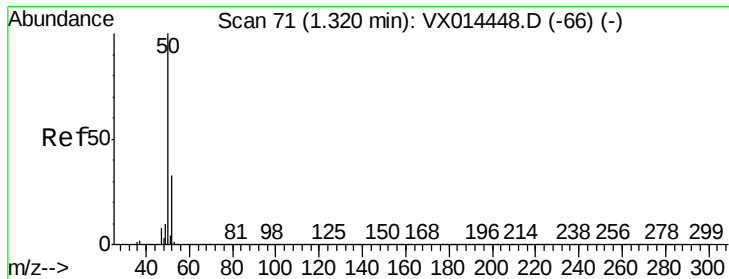
100

0

Time-->

1.17 1.18 1.19 1.20 1.21





#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

Instrument :

MSVOA_X

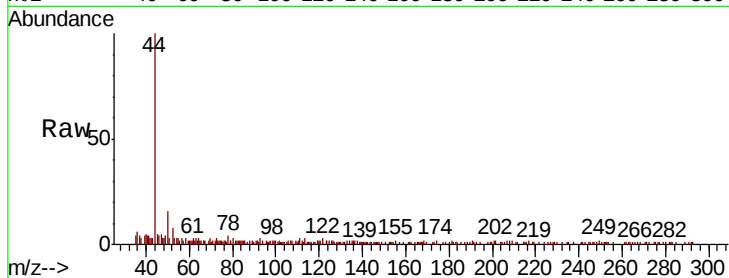
ClientSampled :

Tot Ion: 50 Resp: 1398

Ion Ratio Lower Upper

50 100

52 37.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

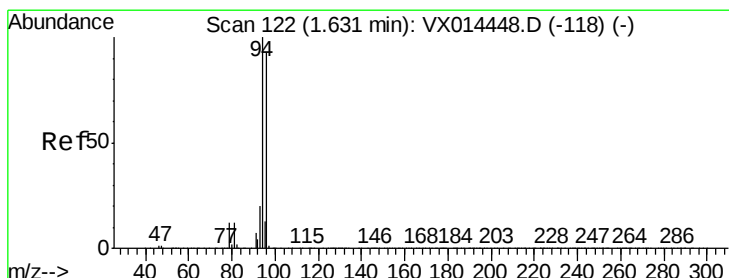
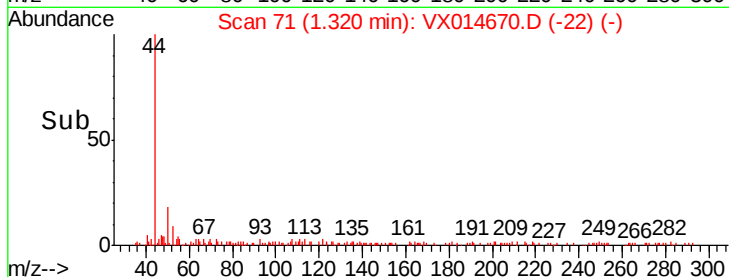
1500

1000

500

0

Time-->



#5

Bromomethane

Concen: 0.264 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014670.D

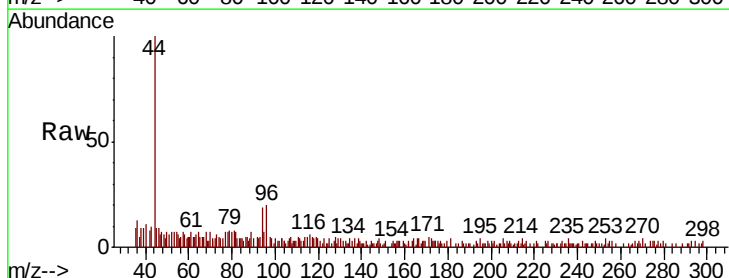
Acq: 20 Jan 2020 15:07

Tgt Ion: 94 Resp: 1117

Ion Ratio Lower Upper

94 100

96 78.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

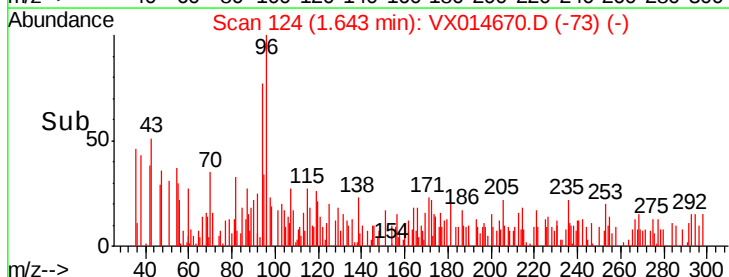
600

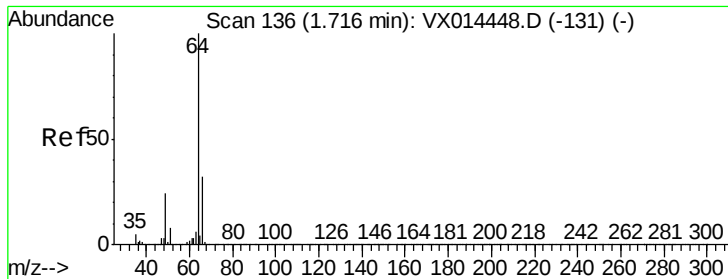
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

Instrument :

MSVOA_X

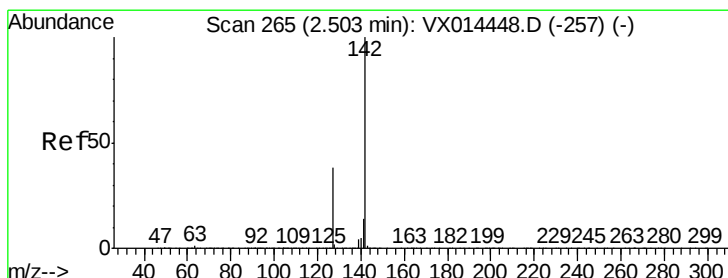
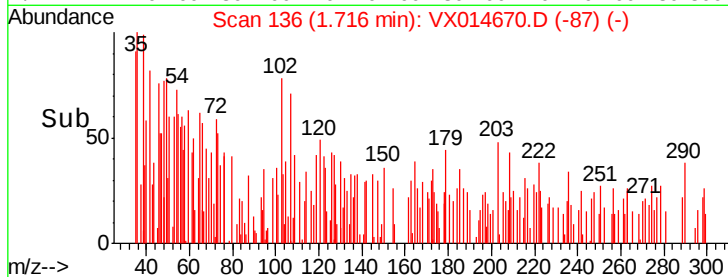
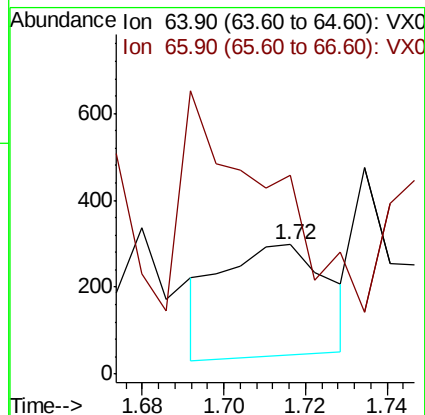
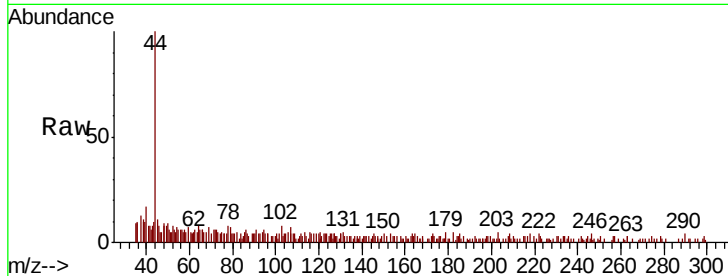
ClientSampled :

Tot Ion: 64 Resp: 464

Ion Ratio Lower Upper

64 100

66 397.8 25.3 37.9#



#10

Methyl Iodide

Concen: 0.328 ug/l

RT: 2.53 min Scan# 269

Delta R.T. 0.02 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

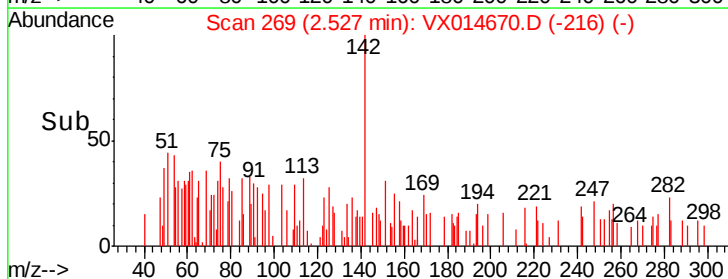
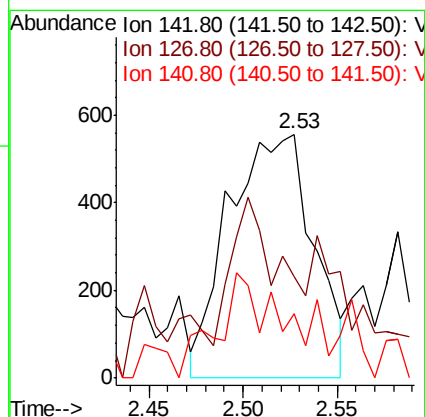
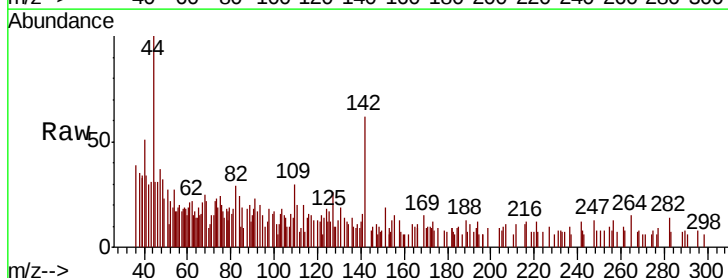
Tgt Ion: 142 Resp: 1729

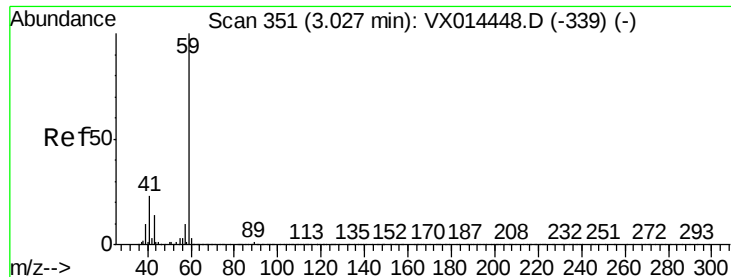
Ion Ratio Lower Upper

142 100

127 22.3 31.2 46.8#

141 0.0 11.4 17.2#

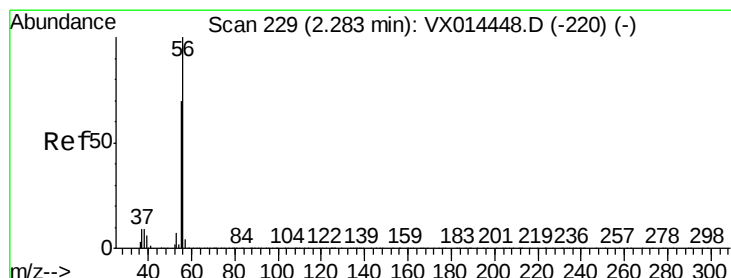
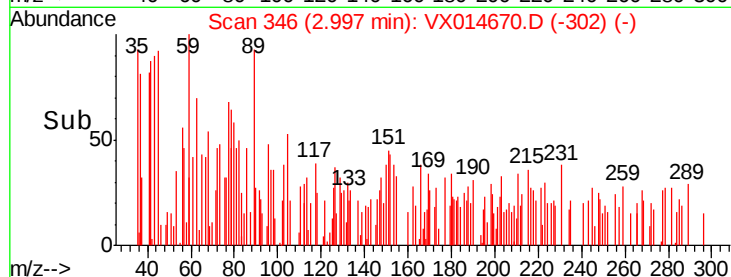
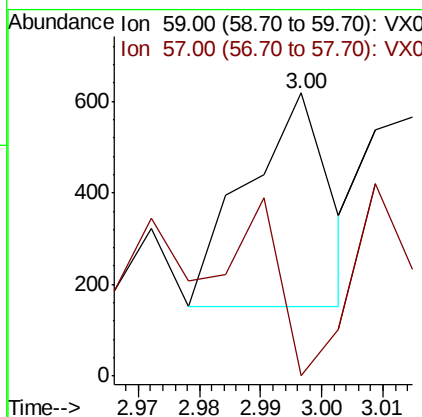
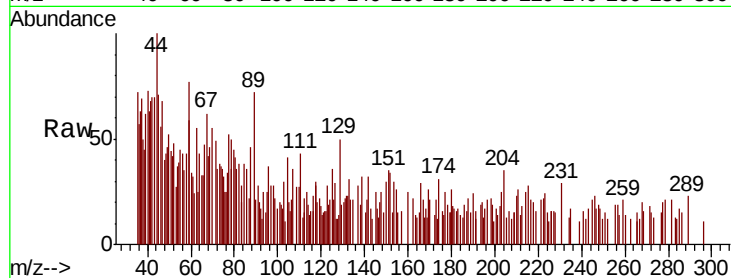




#11
Tert butyl alcohol
Concen: 0.417 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.03 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

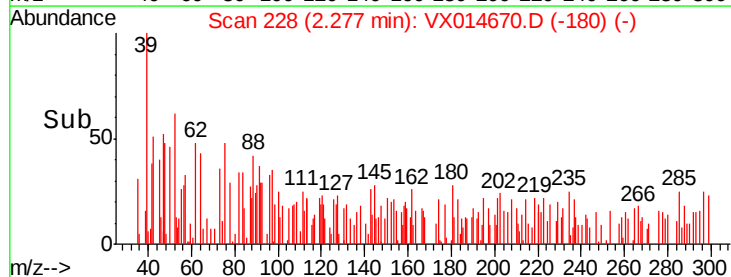
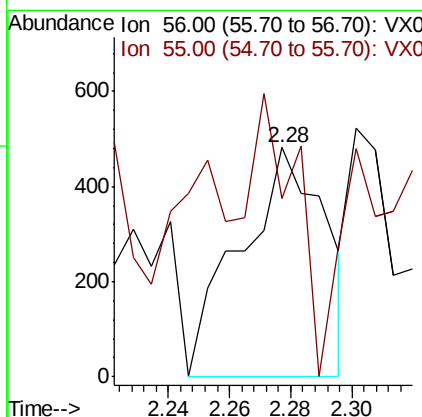
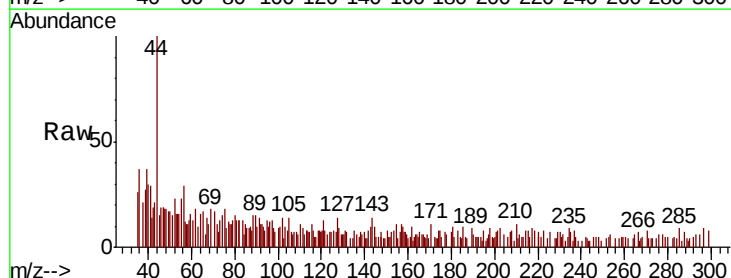
Instrument :
MSVOA_X
ClientSampled :

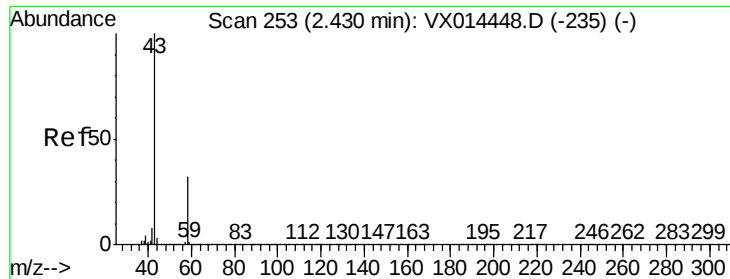
Tot Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 1.106 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

Tgt Ion: 56 Resp: 928
Ion Ratio Lower Upper
56 100
55 70.6 55.0 82.6

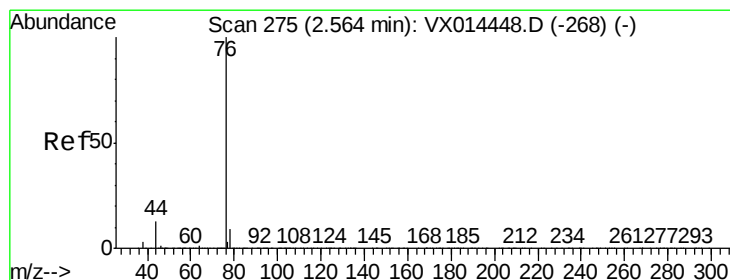
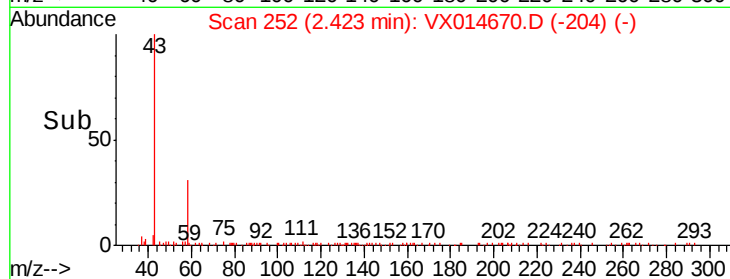
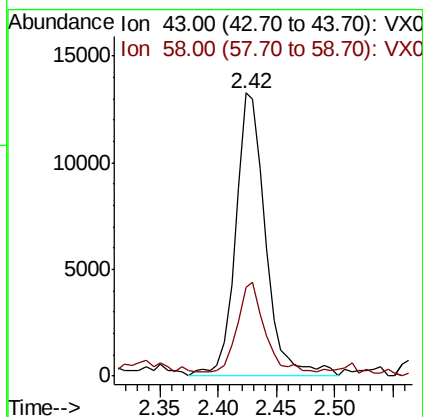
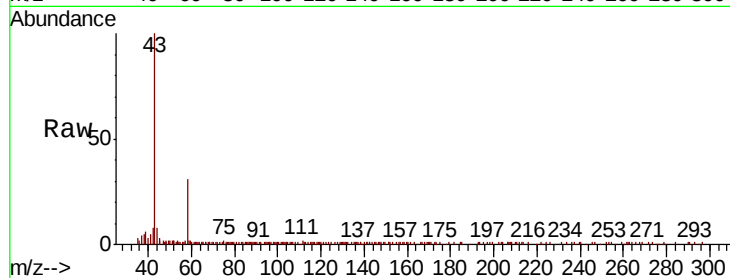




#16
Acetone
Concen: 5.400 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

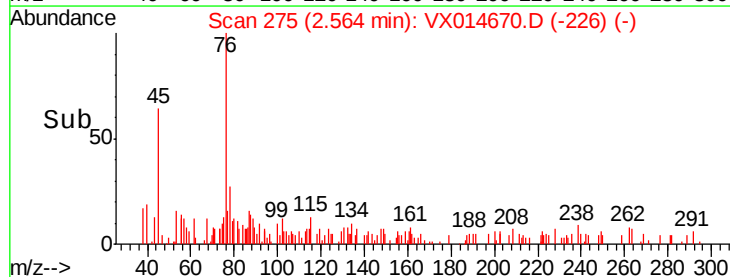
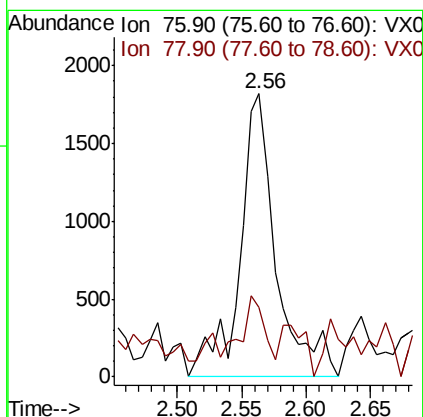
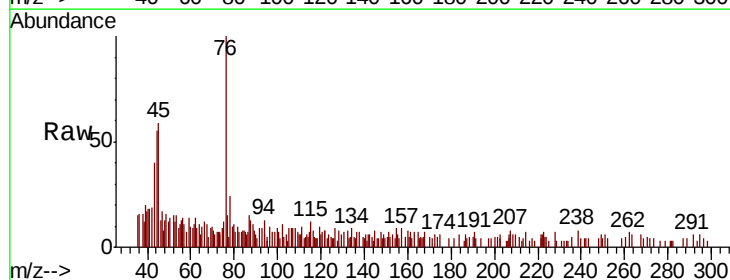
Instrument :
MSVOA_X
ClientSampleId :

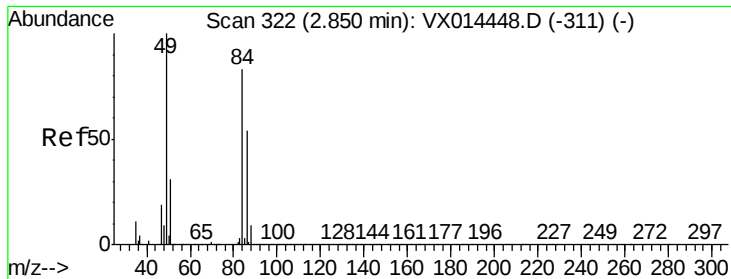
Tot Ion: 43 Resp: 23850
Ion Ratio Lower Upper
43 100
58 29.7 25.4 38.0



#17
Carbon Disulfide
Concen: 0.285 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

Tgt Ion: 76 Resp: 3527
Ion Ratio Lower Upper
76 100
78 18.7 7.4 11.2#

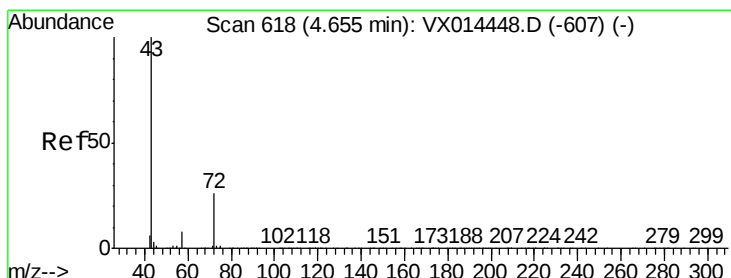
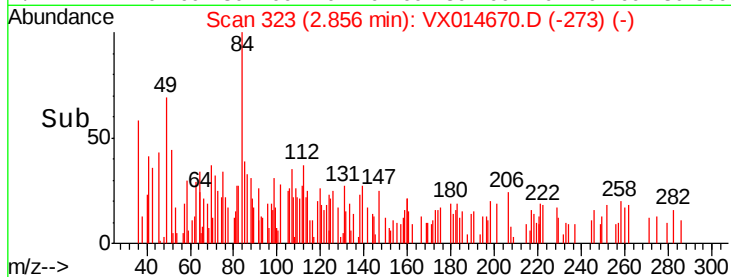
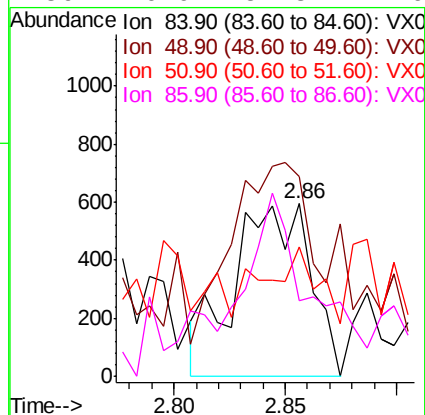
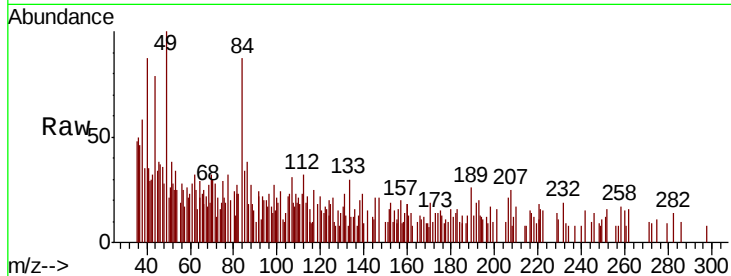




#20
Methvlene Chloride
Concen: 0.279 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

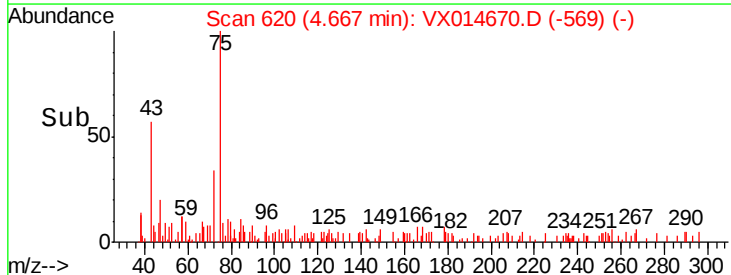
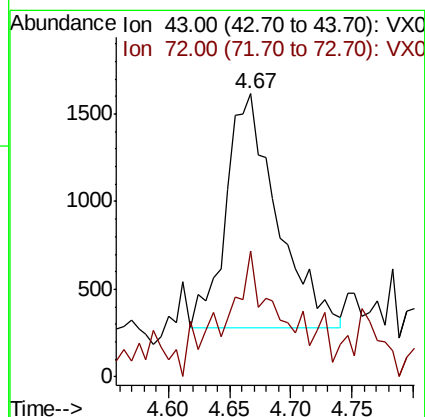
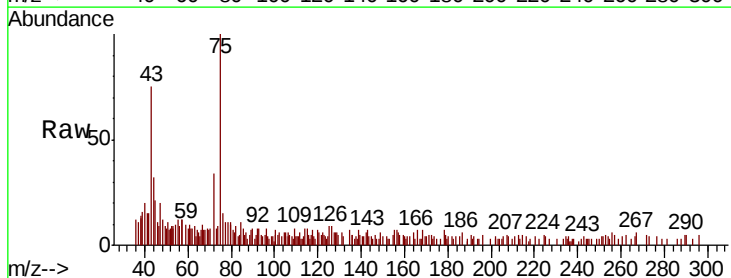
Instrument :
MSVOA_X
ClientSampleId :

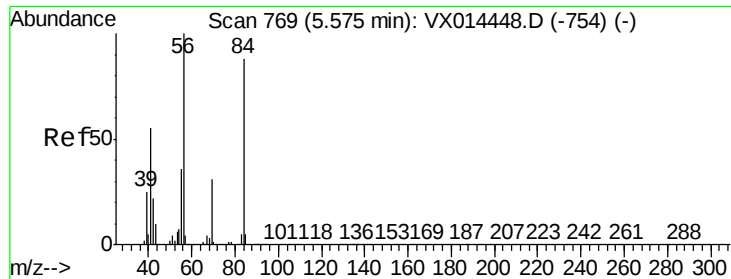
Tot Ion:	84	Resp:	1409
Ion	Ratio	Lower	Upper
84	100		
49	110.7	95.8	143.8
51	50.7	30.2	45.4#
86	6.9	51.8	77.6#



#25
2-Butanone
Concen: 1.021 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

Tgt Ion:	43	Resp:	3824
Ion	Ratio	Lower	Upper
43	100		
72	40.0	20.6	31.0#

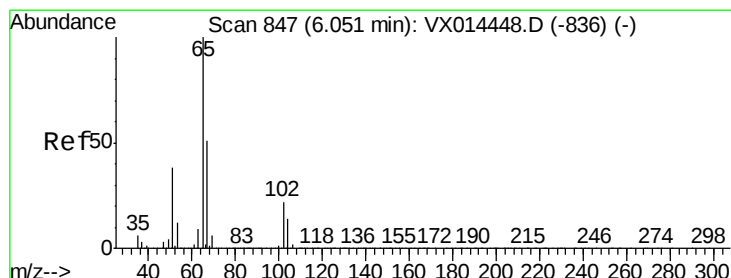
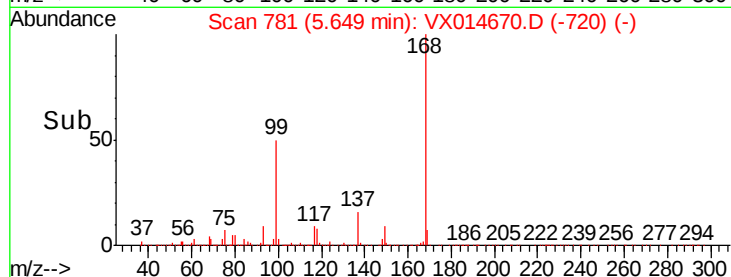
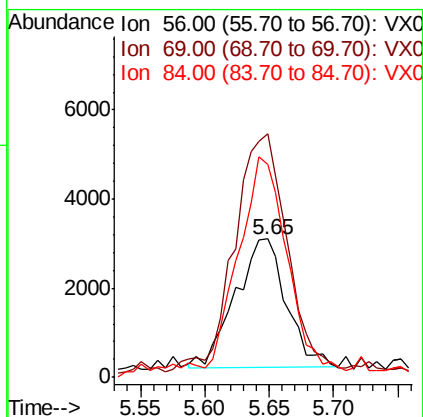
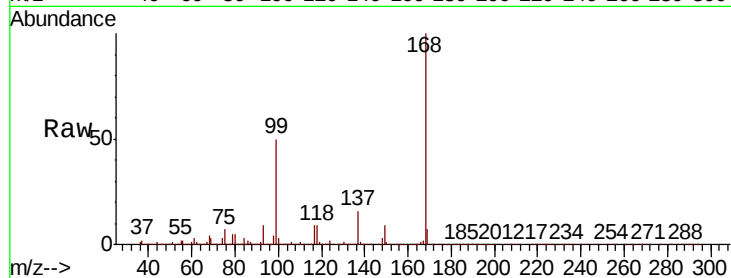




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

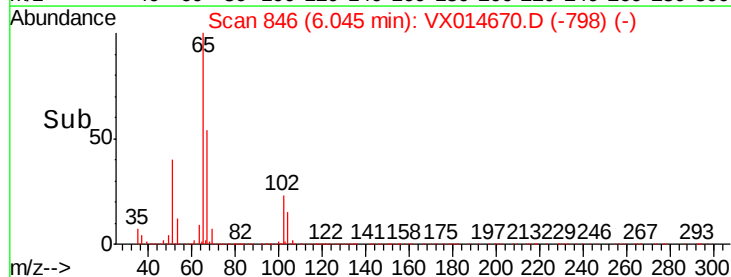
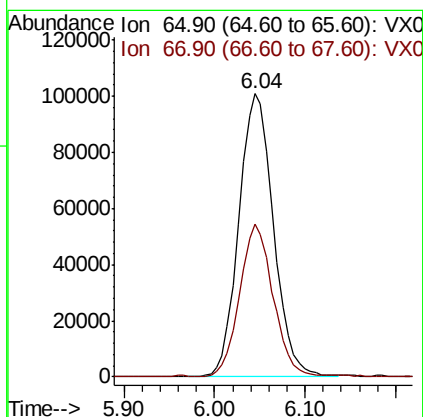
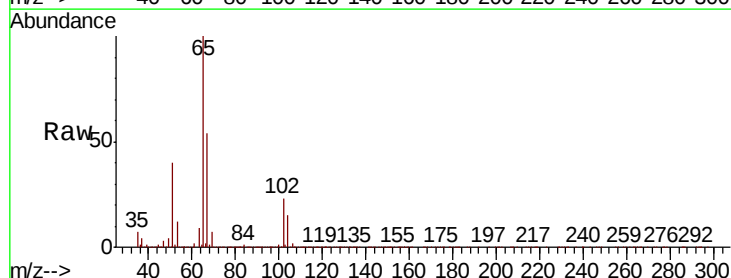
Instrument :
MSVOA_X
ClientSampleId :

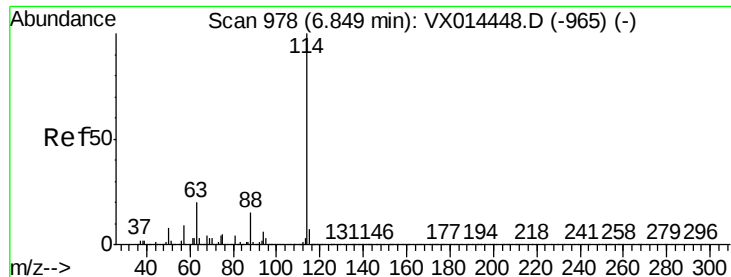
Tot Ion: 56 Resp: 7983
Ion Ratio Lower Upper
56 100
69 182.6 24.4 36.6#
84 158.5 70.6 106.0#



#33
1,2-Dichloroethane-d4
Concen: 52.898 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

Tgt Ion: 65 Resp: 265186
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014670.D

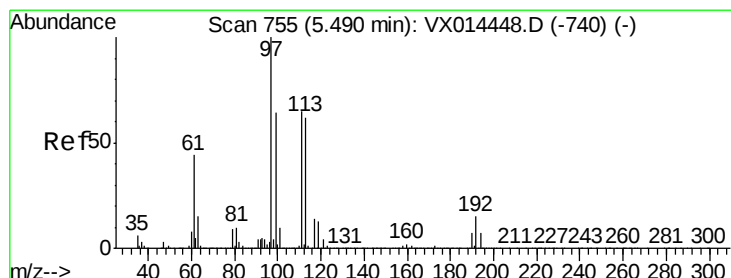
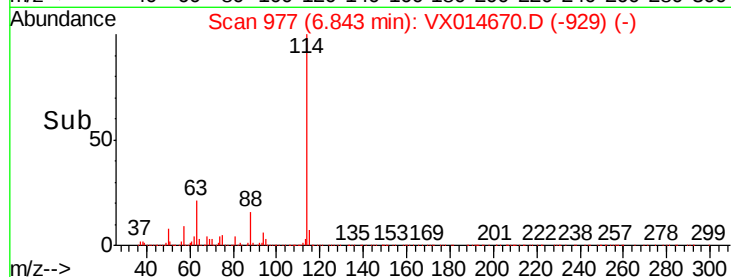
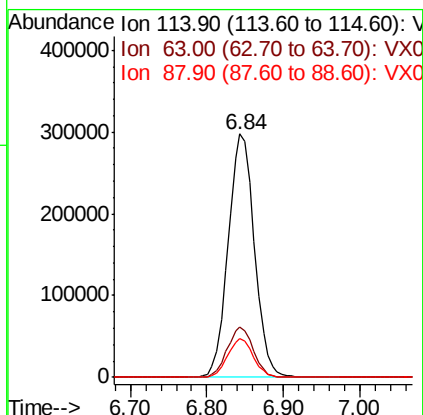
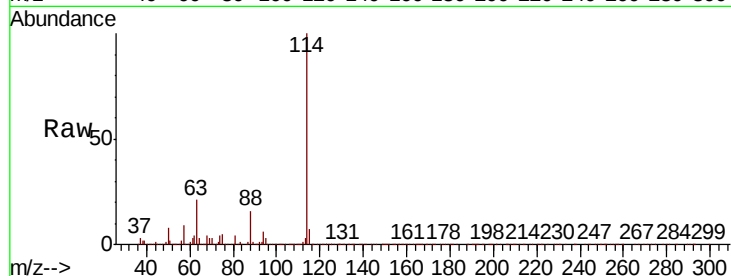
Acq: 20 Jan 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	114	Resp:	705635
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	16.0	0.0	30.8



#35

Dibromofluoromethane

Concen: 50.632 ug/l

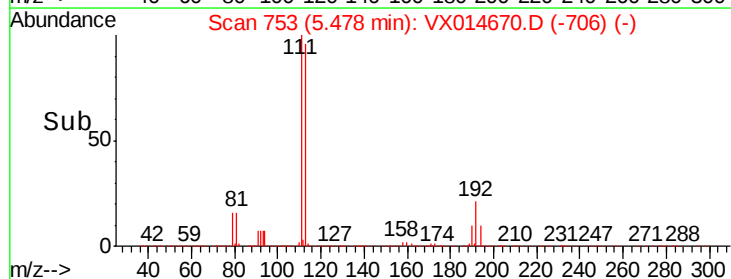
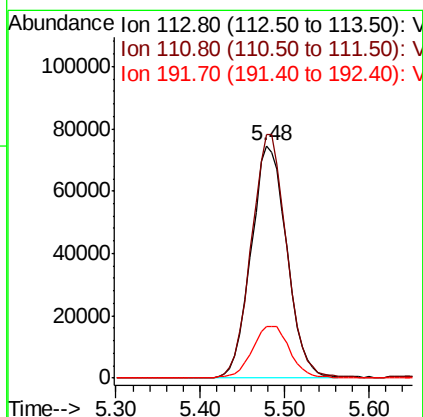
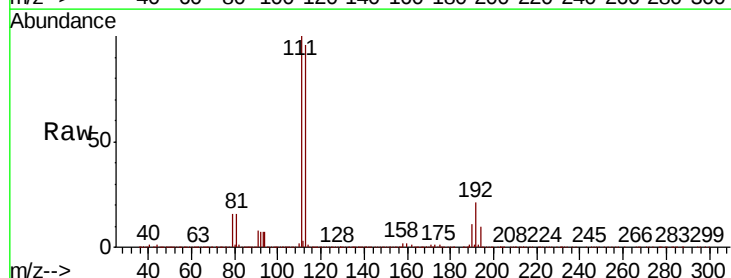
RT: 5.48 min Scan# 753

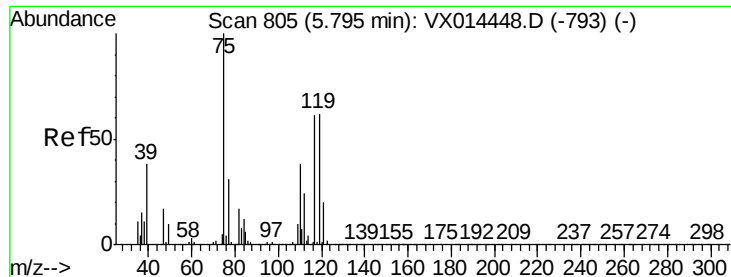
Delta R.T. -0.01 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

Tgt Ion:	113	Resp:	216276
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	23.7	19.2	28.8

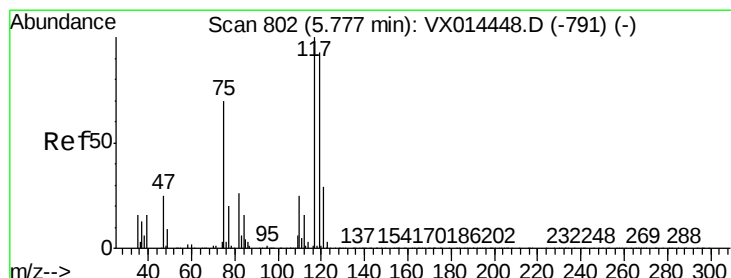
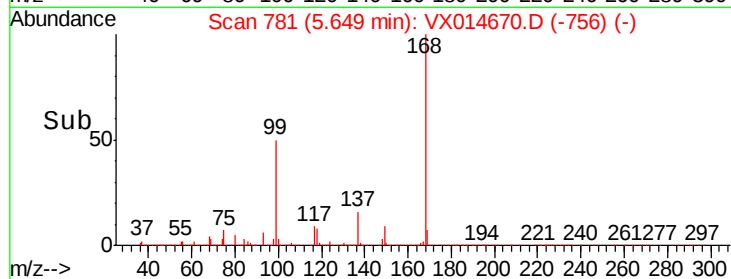
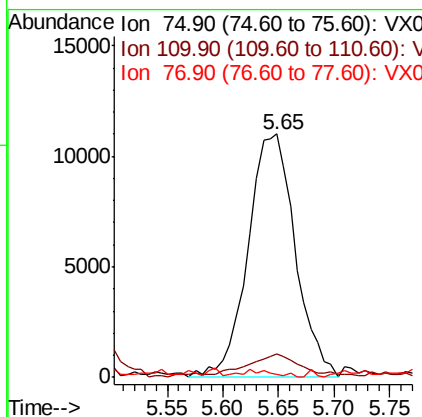
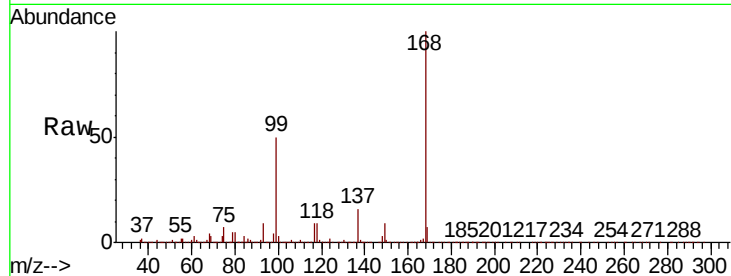




#36
 1,1-Dichloropropene
 Concen: 4.908 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014670.D
 Acq: 20 Jan 2020 15:07

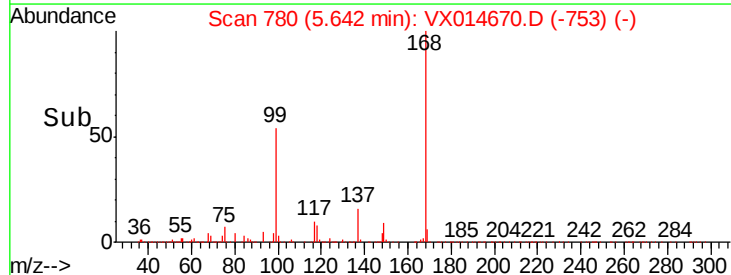
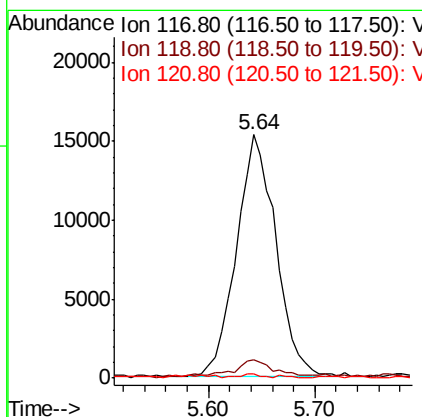
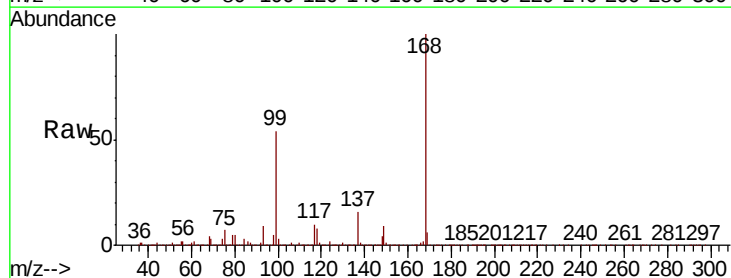
Instrument :
 MSVOA_X
 ClientSampled :

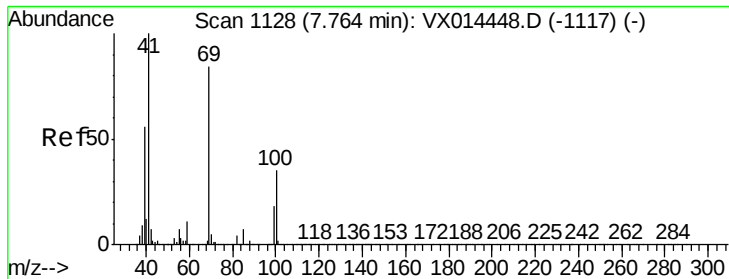
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.6	55.8#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.552 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX014670.D
 Acq: 20 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	73.8	110.8#
121	1.1	23.4	35.0#

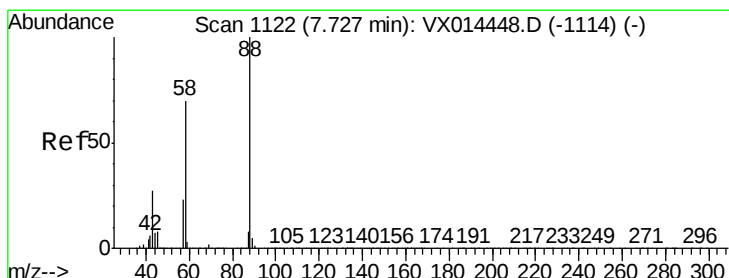
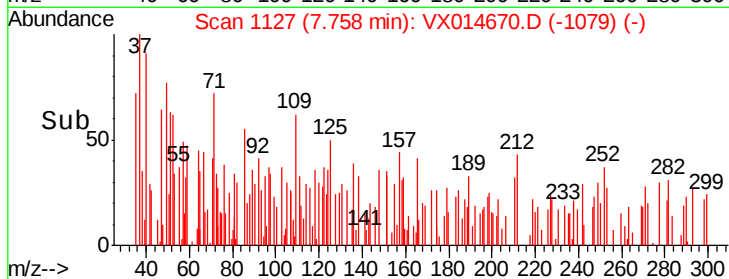
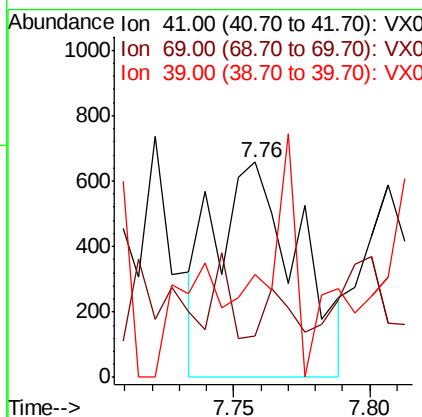
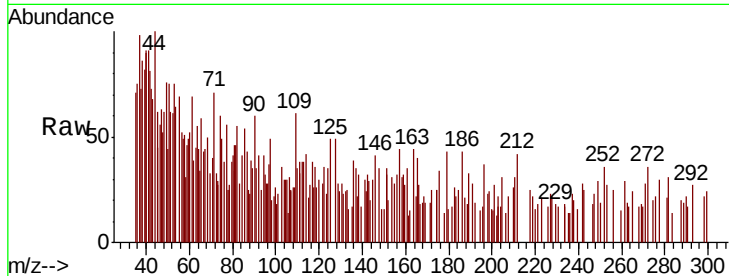




#48
Methyl methacrylate
Concen: 0.254 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

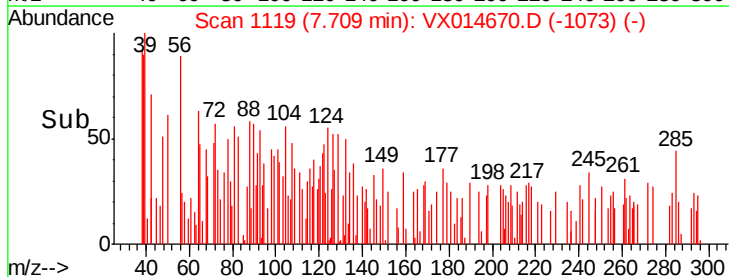
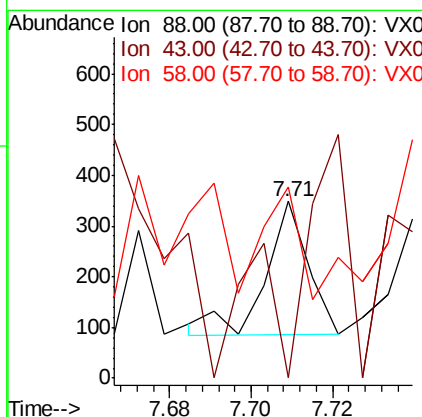
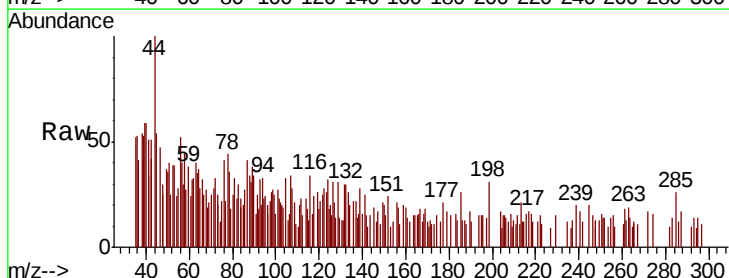
Instrument :
MSVOA_X
ClientSampled :

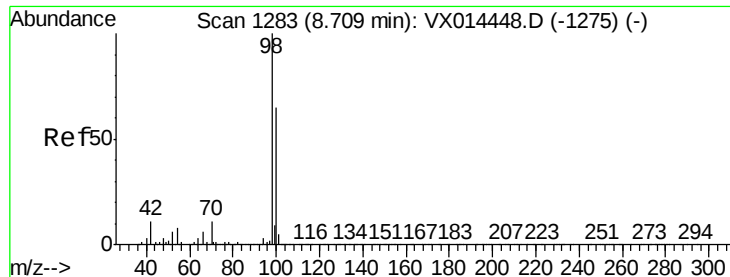
Tot Ion: 41 Resp: 1419
Ion Ratio Lower Upper
41 100
69 6.4 65.5 98.3#
39 33.5 43.9 65.9#



#49
1,4-Dioxane
Concen: 1.608 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

Tgt Ion: 88 Resp: 190
Ion Ratio Lower Upper
88 100
43 245.8 27.4 41.0#
58 0.0 57.1 85.7#





#50

Toluene-d8

Concen: 50.729 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

Instrument :

MSVOA_X

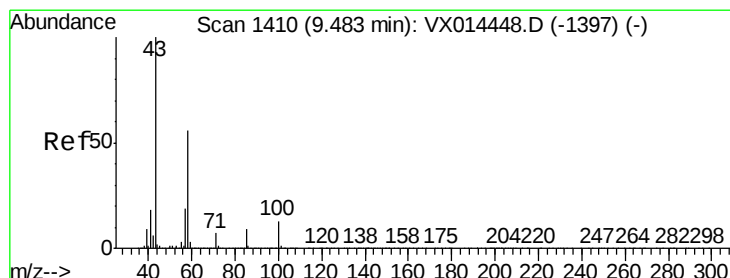
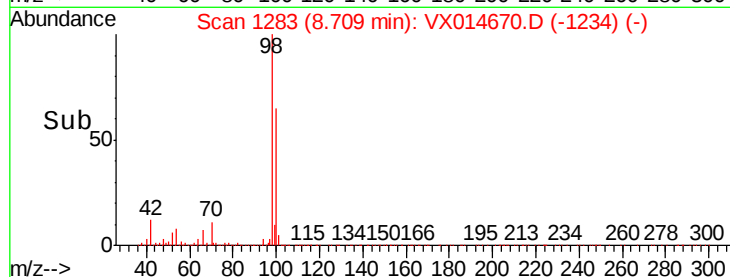
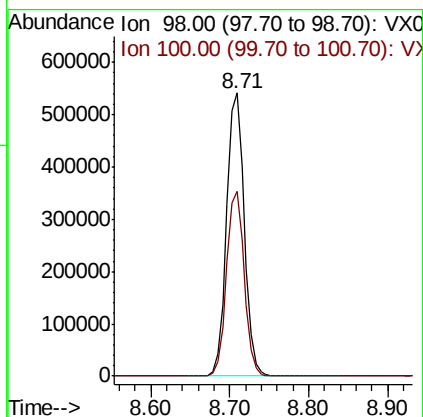
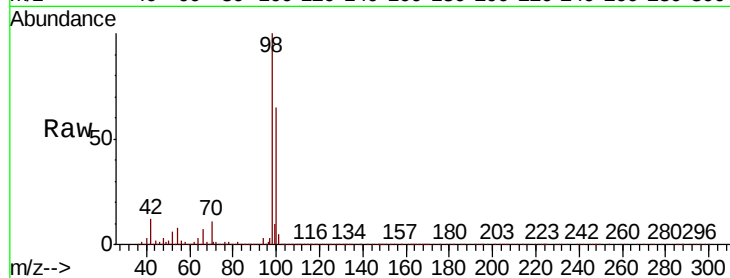
ClientSampleId :

Tot Ion: 98 Resp: 840892

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8



#59

2-Hexanone

Concen: 0.311 ug/l

RT: 9.50 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VX014670.D

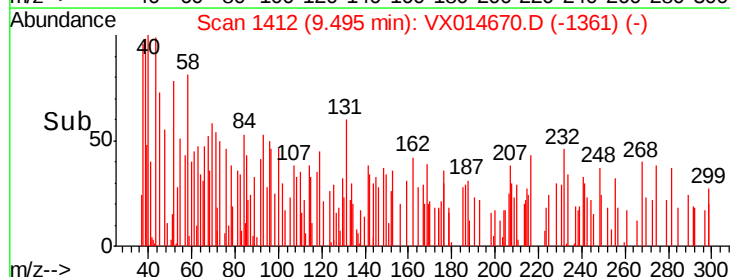
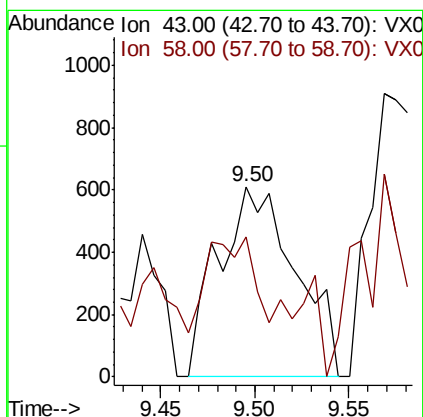
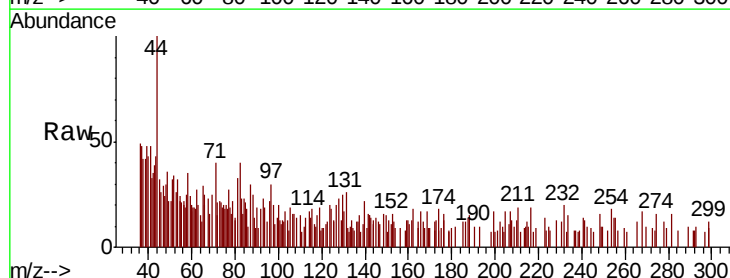
Acq: 20 Jan 2020 15:07

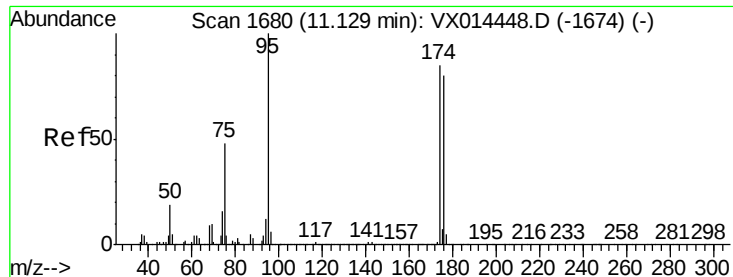
Tgt Ion: 43 Resp: 1744

Ion Ratio Lower Upper

43 100

58 29.4 27.9 83.7

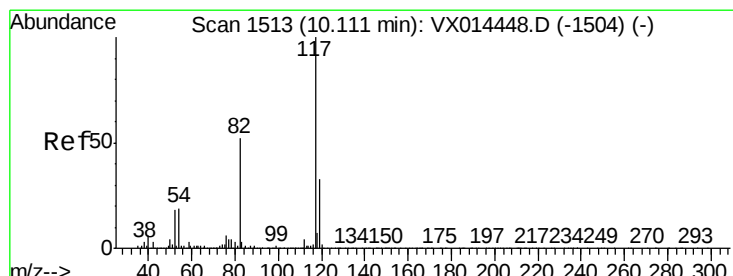
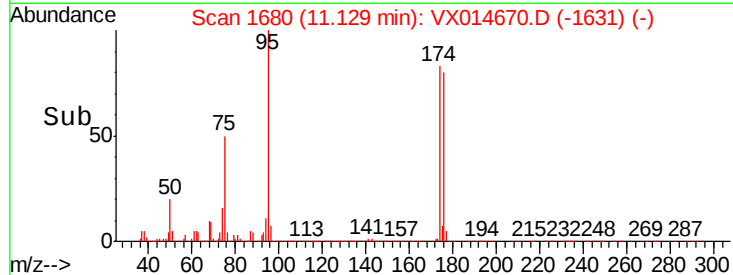
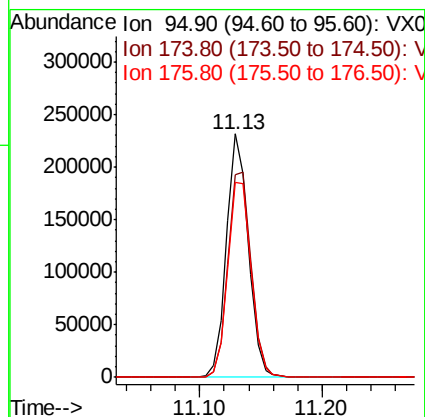
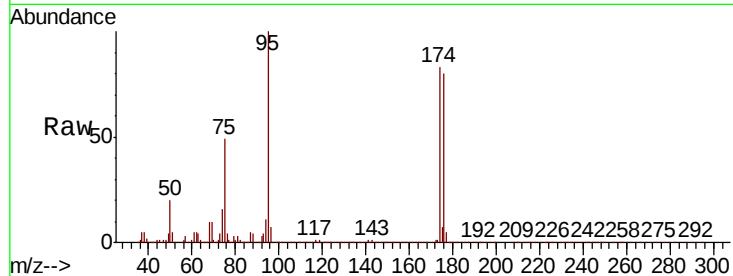




#62
4-Bromofluorobenzene
Concen: 47.057 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

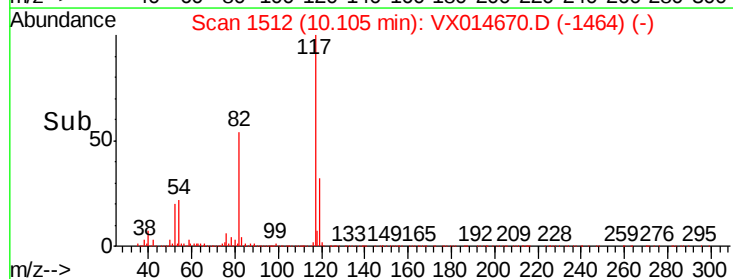
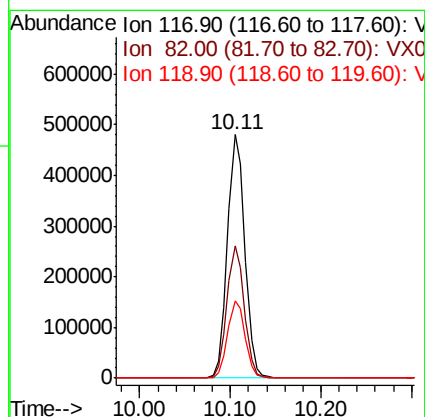
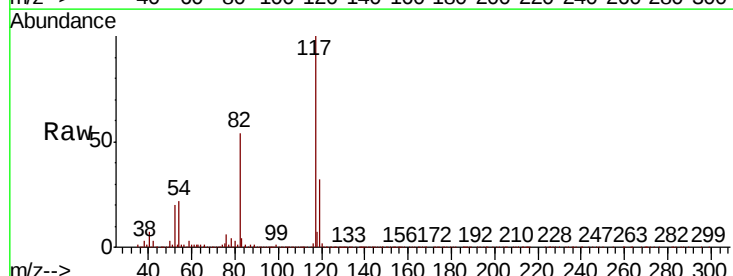
Instrument :
MSVOA_X
ClientSampleId :

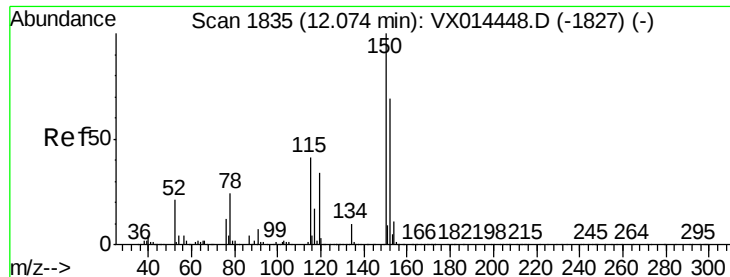
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	180.8
176	85.7	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014670.D
Acq: 20 Jan 2020 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.8	62.6
119	31.7	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

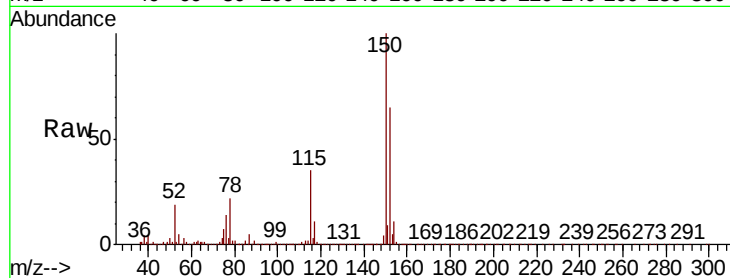
Tot Ion:152 Resp: 289729

Ion Ratio Lower Upper

152 100

115 55.8 39.5 118.3

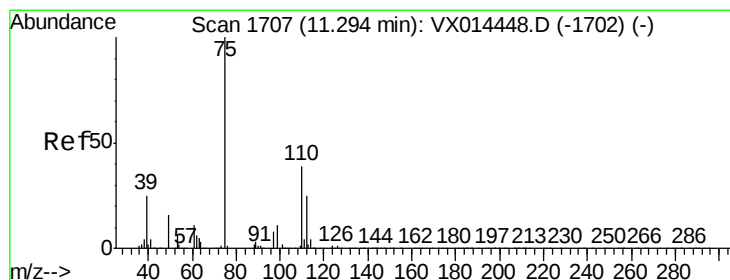
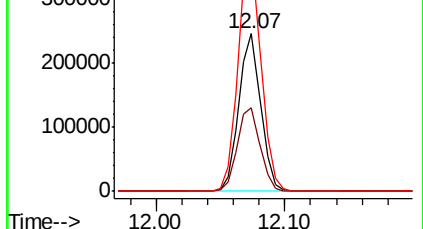
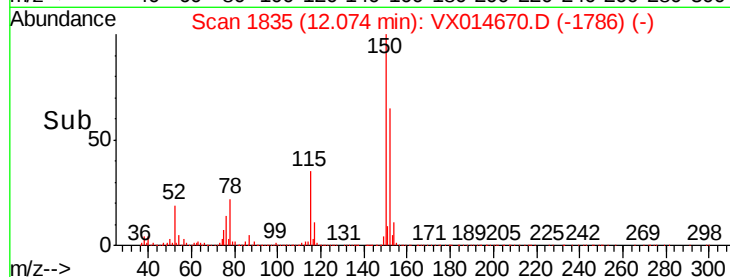
150 157.8 0.0 350.2



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: 23.808 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014670.D

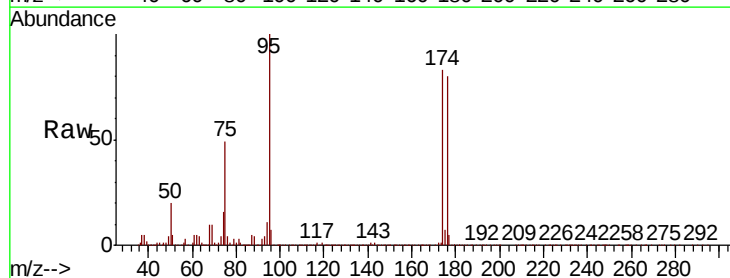
Acq: 20 Jan 2020 15:07

Tgt Ion: 75 Resp: 142717

Ion Ratio Lower Upper

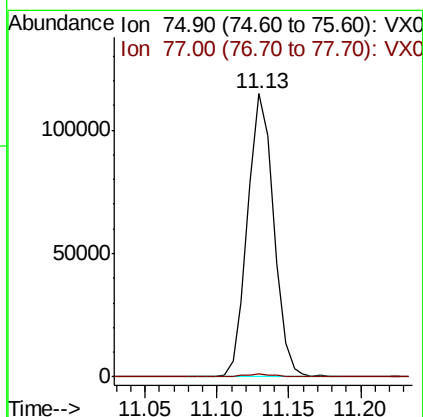
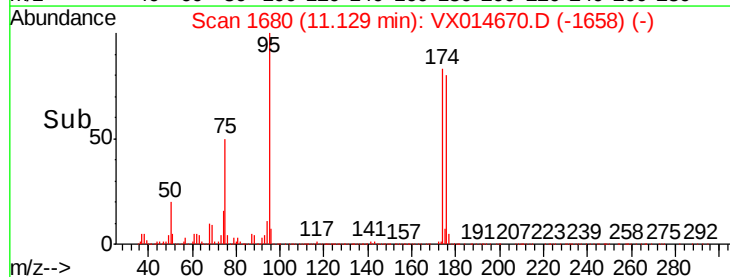
75 100

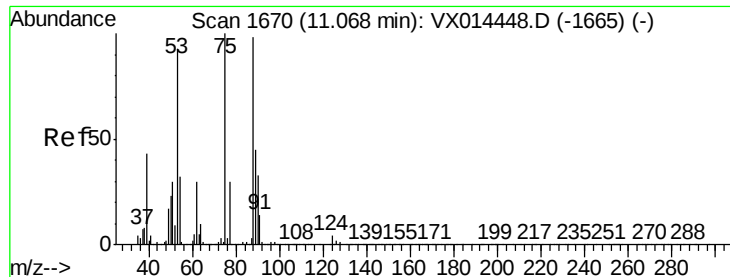
77 1.1 21.9 65.7#



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: 62.943 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

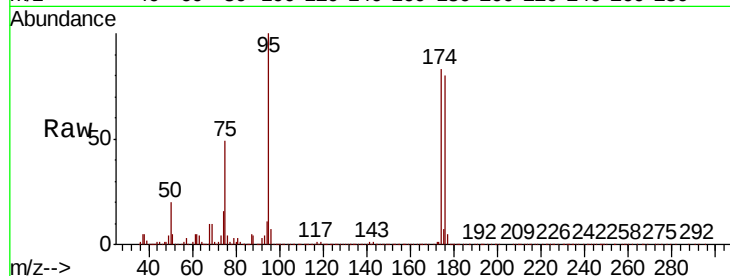
Tot Ion: 75 Resp: 142717

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

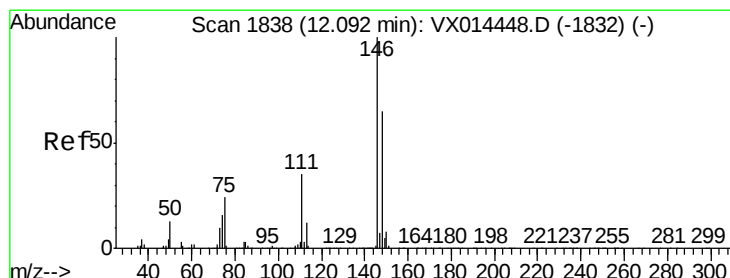
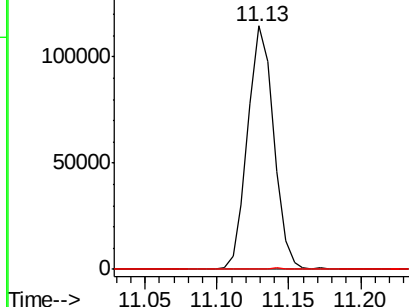
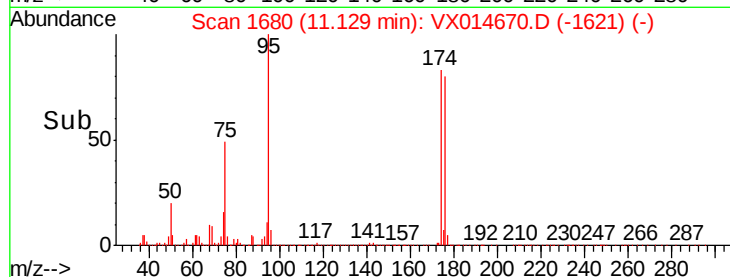
89 0.3 36.3 54.5#



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



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.03 min Scan# 1827

Delta R.T. -0.07 min

Lab File: VX014670.D

Acq: 20 Jan 2020 15:07

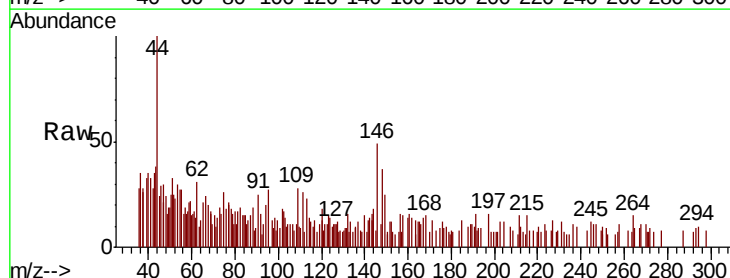
Tgt Ion: 146 Resp: 778

Ion Ratio Lower Upper

146 100

111 34.1 18.1 54.1

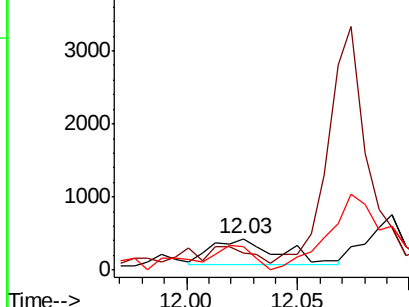
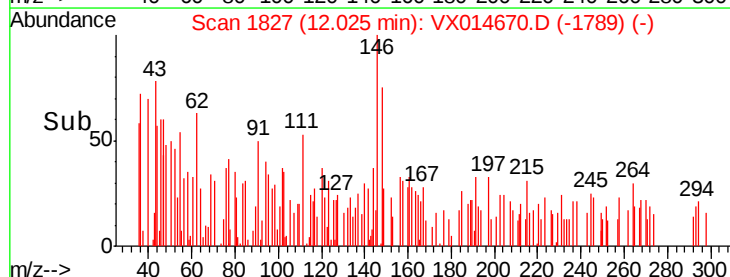
148 48.7 32.1 96.3

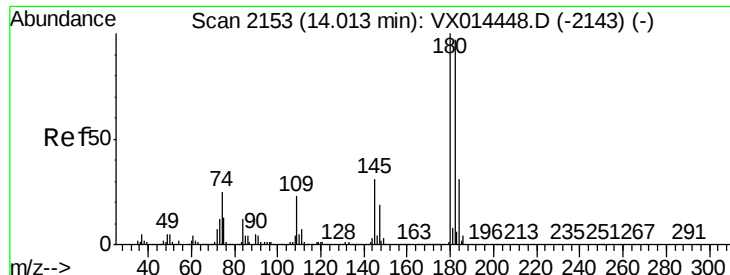


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

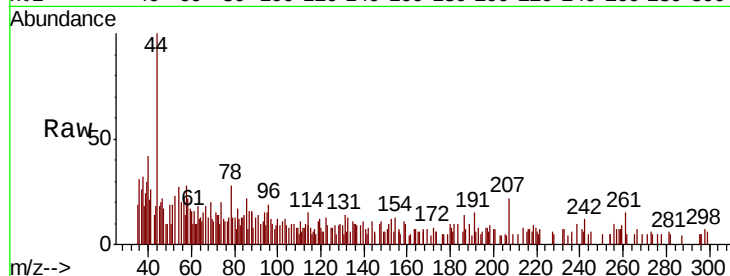




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 13.92 min Scan# 2138
 Delta R.T. -0.09 min
 Lab File: VX014670.D
 Acq: 20 Jan 2020 15:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.5	47.9	143.6
145	43.2	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

