

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012120\
 Data File : VX014677.D
 Acq On : 21 Jan 2020 11:39
 Operator : JC/SP
 Sample : L1173-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

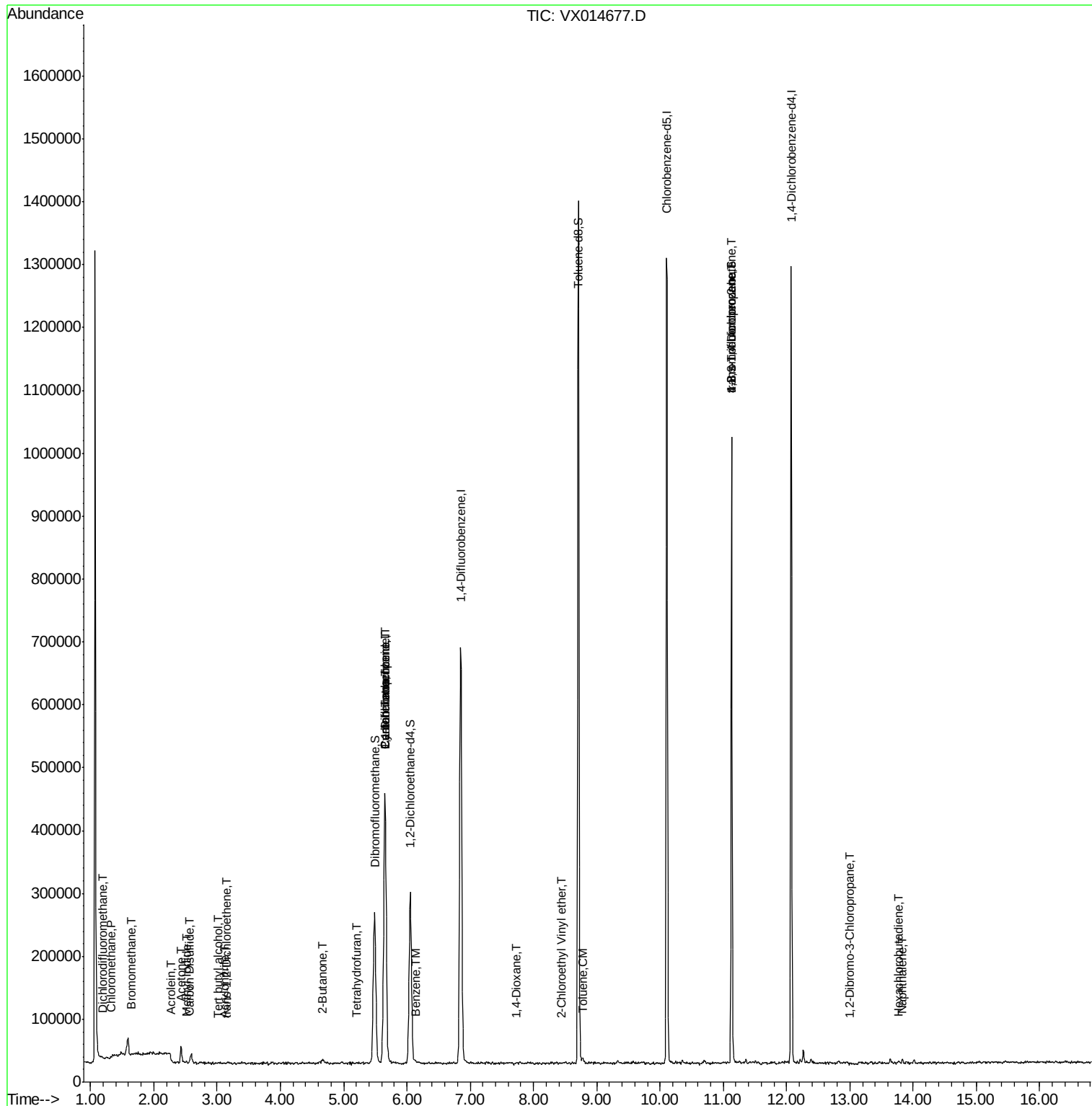
Quant Time: Jan 22 04:24:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

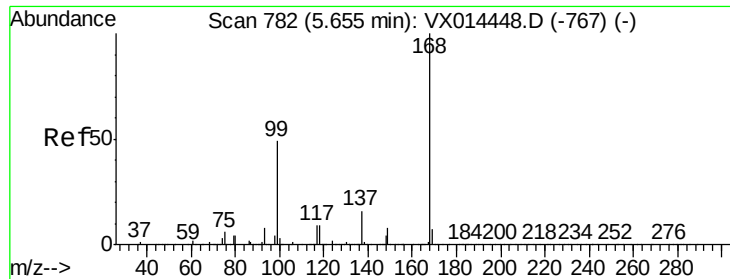
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	439639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	680534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	607643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	266368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	253453	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	5.49	113	213492	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	8.71	98	807920	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	262428	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	372	0.320	ug/l #	64
3) Chloromethane	1.32	50	1387	0.247	ug/l #	69
5) Bromomethane	1.64	94	2163	0.523	ug/l #	58
6) Chloroethane	1.74	64	270	Below Cal	#	43
10) Methyl Iodide	2.52	142	3024	0.586	ug/l #	69
11) Tert butyl alcohol	3.01	59	1313	1.281	ug/l #	72
13) Acrolein	2.28	56	763	0.929	ug/l	92
15) Acrylonitrile	3.13	53	751	0.304	ug/l #	31
16) Acetone	2.43	43	28071	7.351	ug/l	99
17) Carbon Disulfide	2.56	76	3019	0.249	ug/l #	93
21) trans-1,2-Dichloroethene	3.15	96	1056	0.223	ug/l #	7
25) 2-Butanone	4.67	43	7216	1.968	ug/l #	85
29) Tetrahydrofuran	5.19	42	571	0.263	ug/l	93
31) Cyclohexane	5.65	56	8337	1.111	ug/l #	21
36) 1,1-Dichloropropene	5.65	75	31277	4.887	ug/l #	50
38) Carbon Tetrachloride	5.65	117	39566	6.718	ug/l #	17
40) Benzene	6.14	78	3853	0.203	ug/l #	81
49) 1,4-Dioxane	7.72	88	247	2.167	ug/l #	2
52) Toluene	8.78	92	2739	0.225	ug/l	81
58) 2-Chloroethyl Vinyl ether	8.45	63	613	0.241	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	129784	23.549	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	129784	62.259	ug/l #	12
88) 1,4-Dichlorobenzene	12.02	146	1724	Below Cal		88
92) 1,2-Dibromo-3-Chloropropan	12.99	75	321	0.238	ug/l	61
94) Hexachlorobutadiene	13.78	225	706	0.297	ug/l	76
95) Naphthalene	13.83	128	5503	0.277	ug/l #	86

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012120\
Data File : VX014677.D
Acq On : 21 Jan 2020 11:39
Operator : JC/SP
Sample : L1173-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 22 04:24:36 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

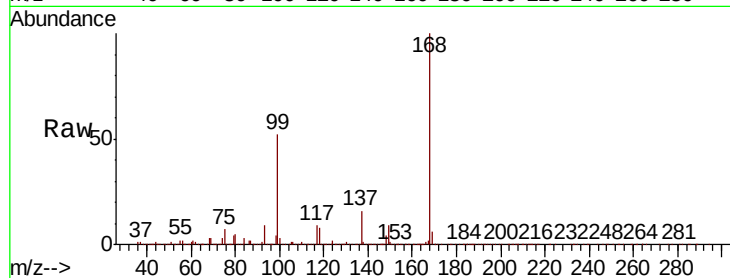
ClientSampleId :

Tot Ion:168 Resp: 439639

Ion Ratio Lower Upper

168 100

99 51.4 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

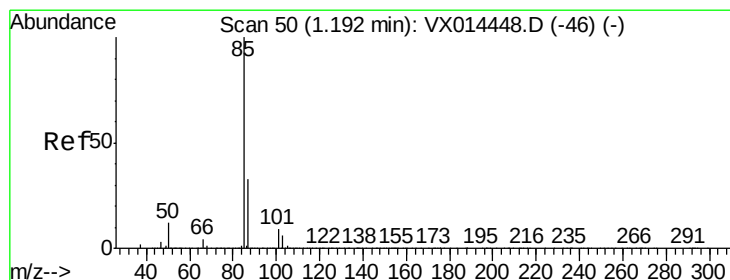
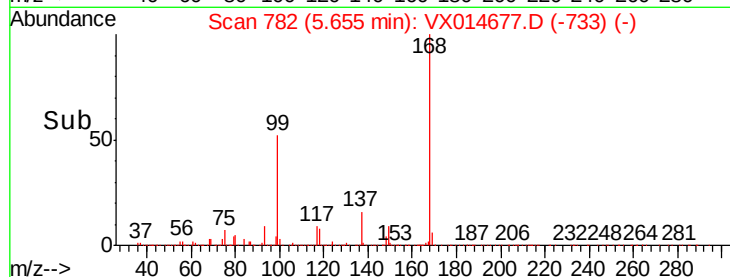
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.320 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014677.D

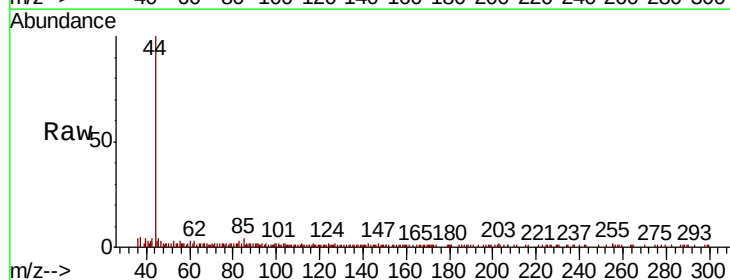
Acq: 21 Jan 2020 11:39

Tgt Ion: 85 Resp: 372

Ion Ratio Lower Upper

85 100

87 53.4 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

300

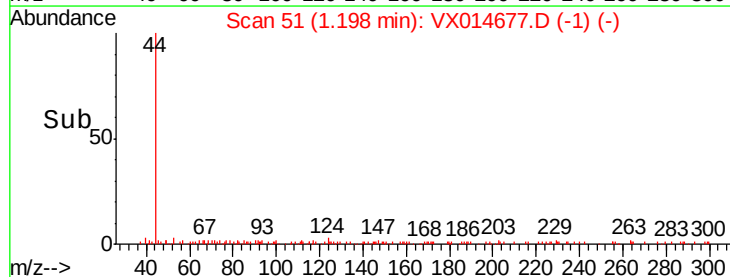
200

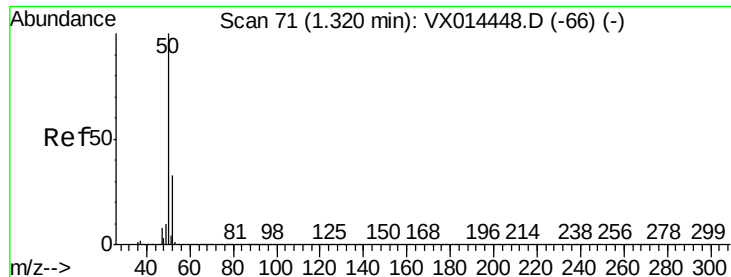
100

0

Time-->

1.14 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

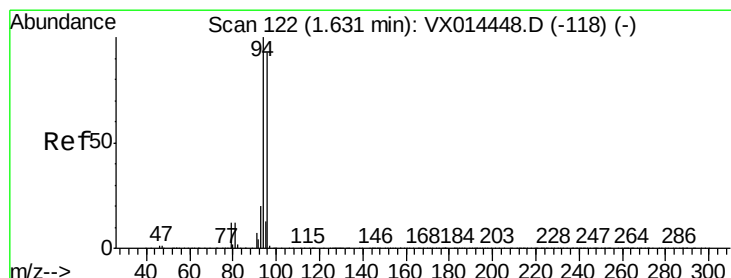
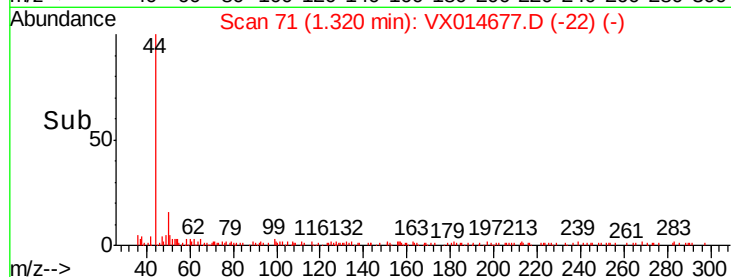
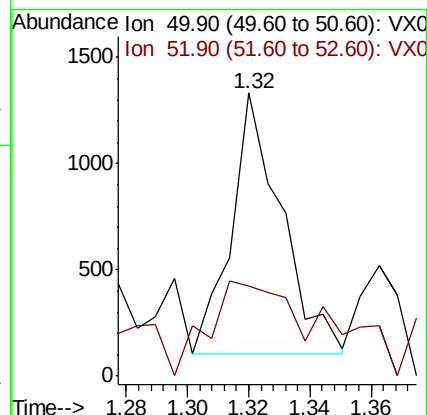
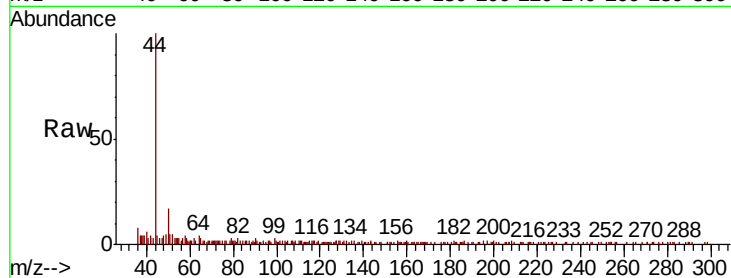
ClientSampled :

Tot Ion: 50 Resp: 1387

Ion Ratio Lower Upper

50 100

52 15.2 26.1 39.1#



#5

Bromomethane

Concen: 0.523 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014677.D

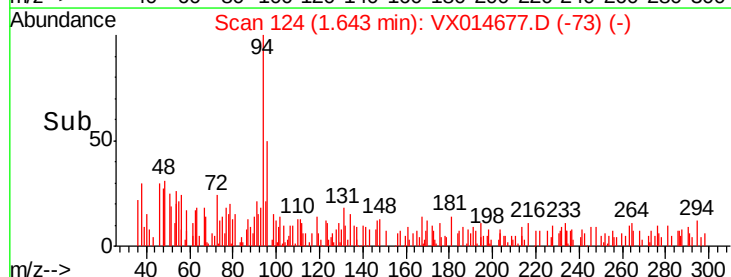
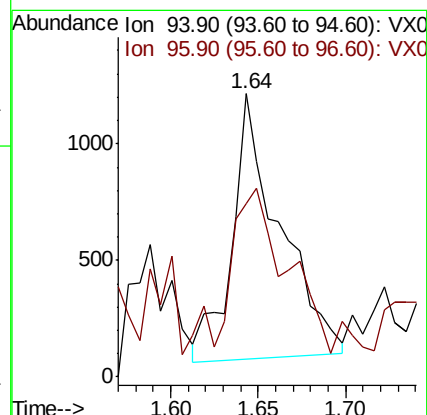
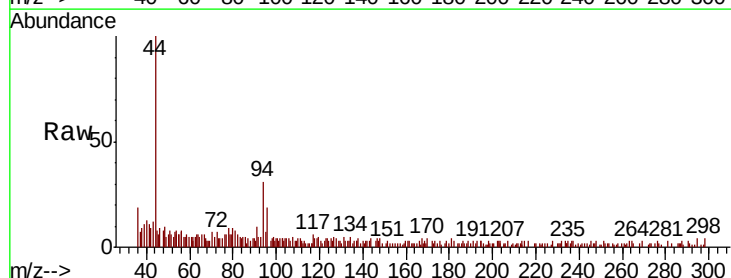
Acq: 21 Jan 2020 11:39

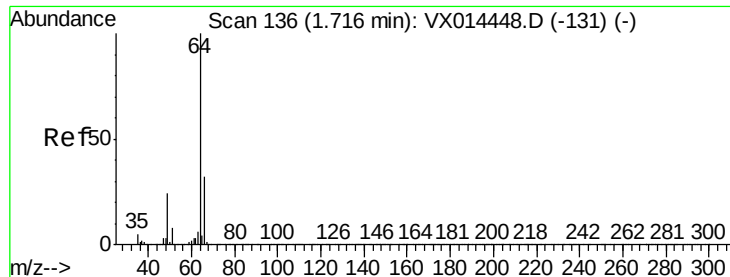
Tgt Ion: 94 Resp: 2163

Ion Ratio Lower Upper

94 100

96 52.7 74.2 111.2#





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 140

Delta R.T. 0.02 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

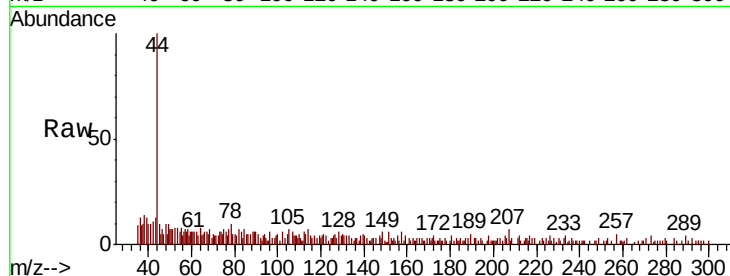
ClientSampleId :

Tot Ion: 64 Resp: 270

Ion Ratio Lower Upper

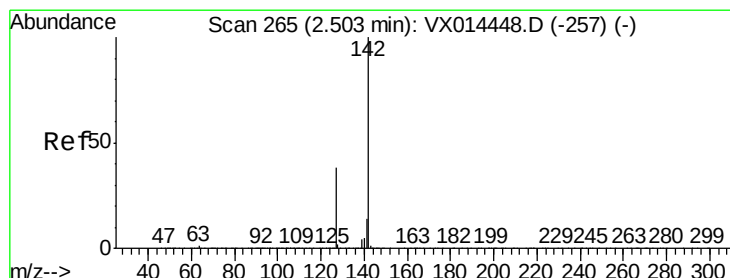
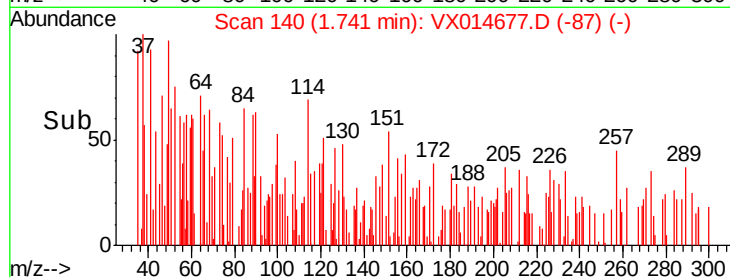
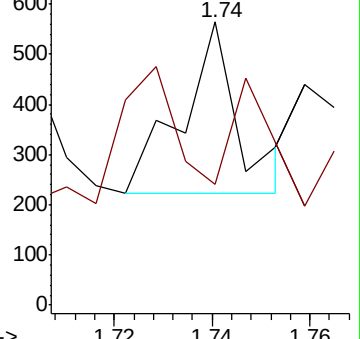
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.586 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

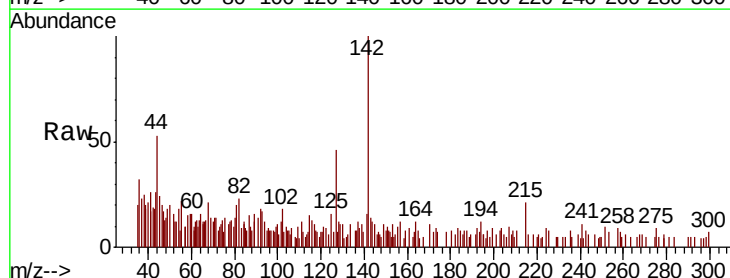
Tgt Ion: 142 Resp: 3024

Ion Ratio Lower Upper

142 100

127 60.0 31.2 46.8#

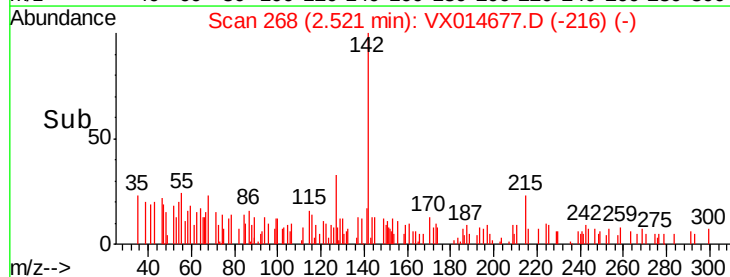
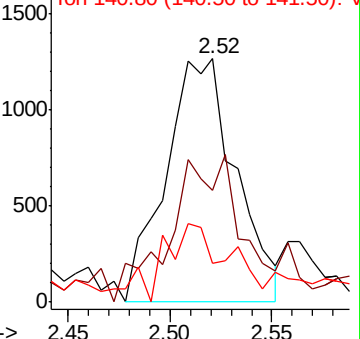
141 23.3 11.4 17.2#

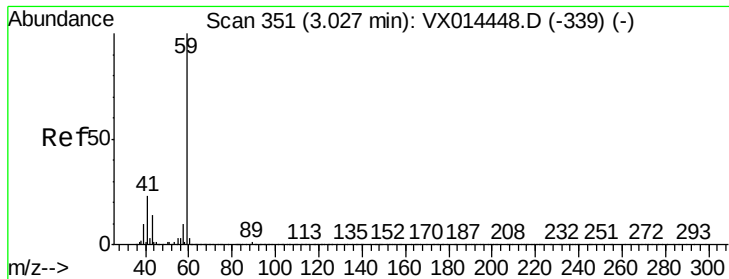


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



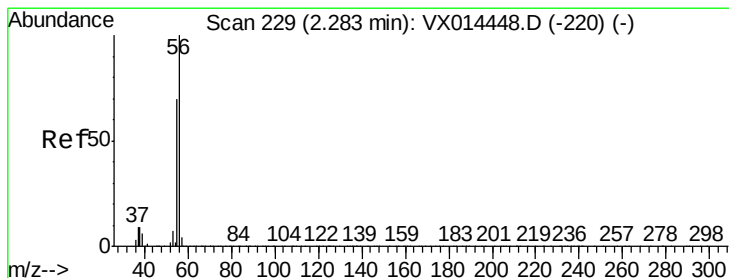
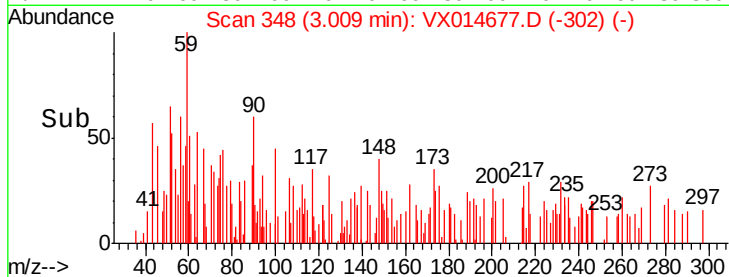
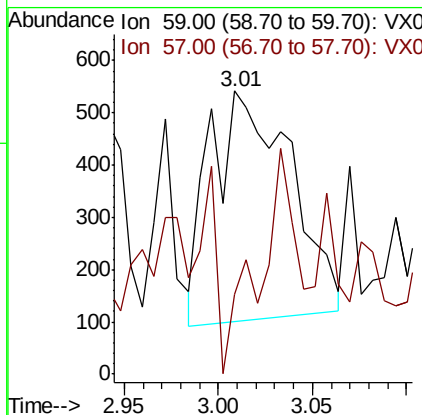
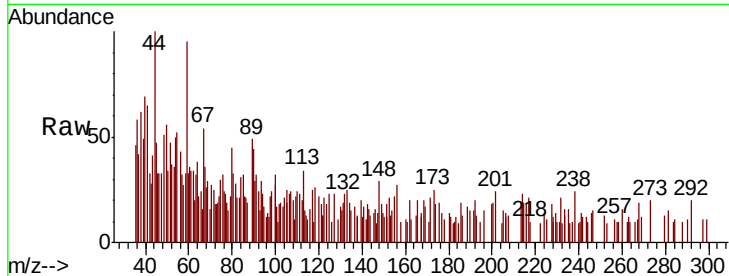


#11

Tert butyl alcohol
Concen: 1.281 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Instrument :
MSVOA_X
ClientSampled :

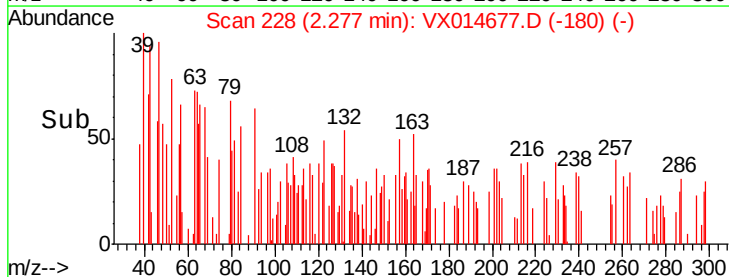
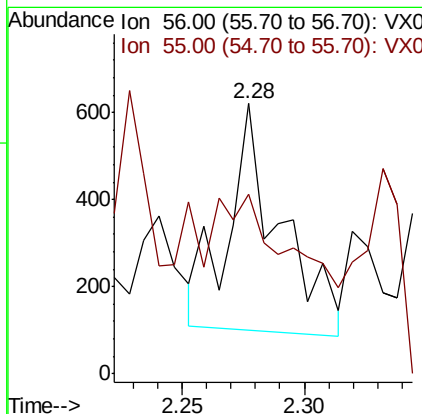
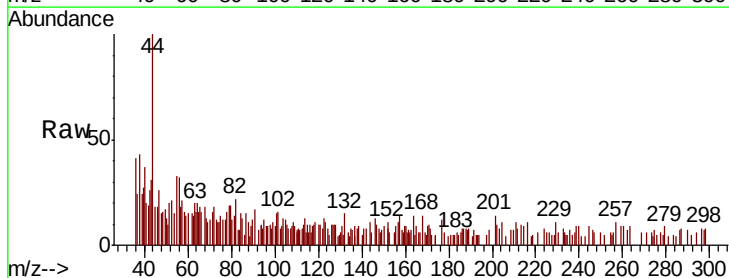
Tot Ion: 59 Resp: 1313
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

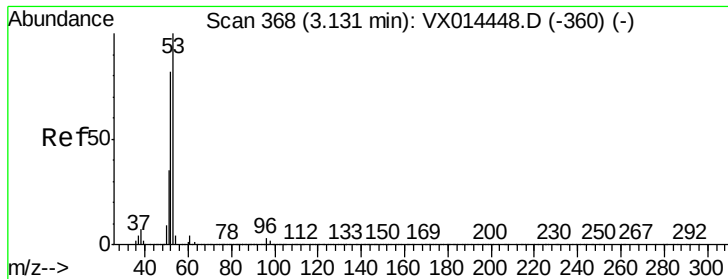


#13

Acrolein
Concen: 0.929 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Tgt Ion: 56 Resp: 763
Ion Ratio Lower Upper
56 100
55 62.4 55.0 82.6





#15

Acrylonitrile

Concen: 0.304 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

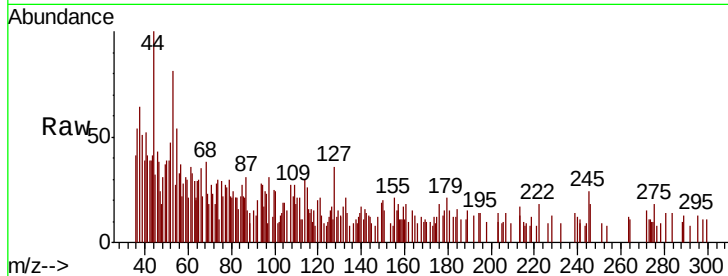
Tot Ion: 53 Resp: 751

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

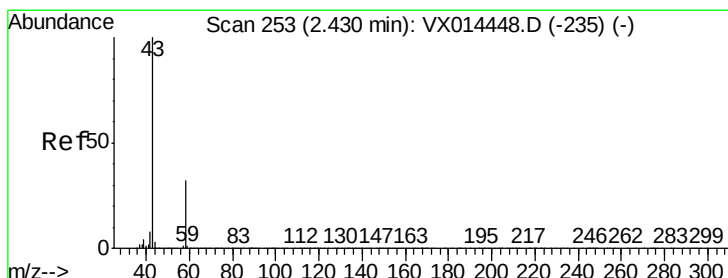
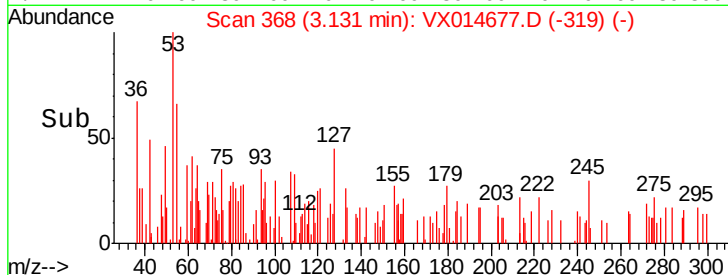
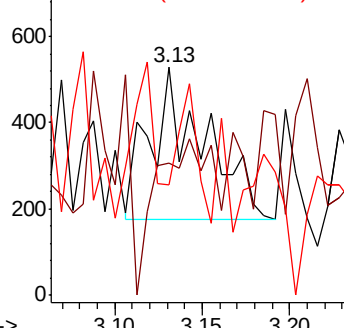
51 44.3 28.5 42.7#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 7.351 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014677.D

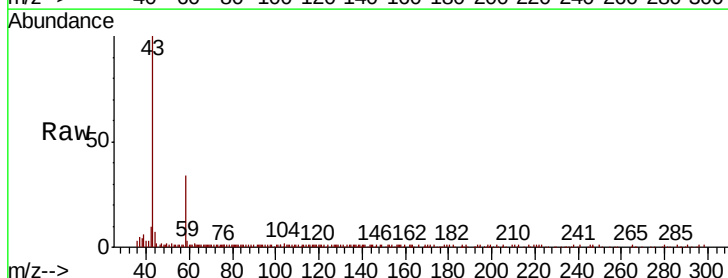
Acq: 21 Jan 2020 11:39

Tgt Ion: 43 Resp: 28071

Ion Ratio Lower Upper

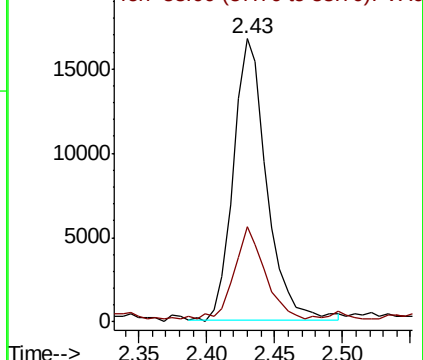
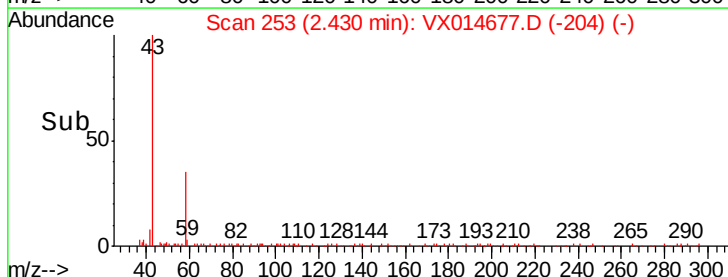
43 100

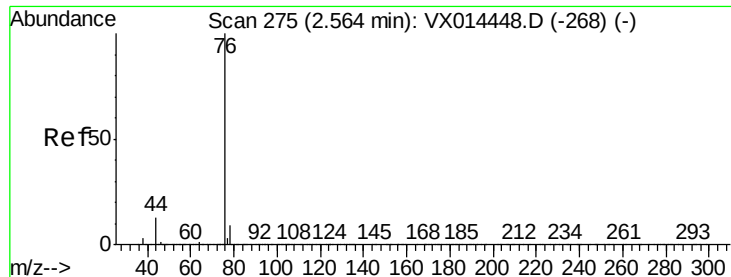
58 32.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

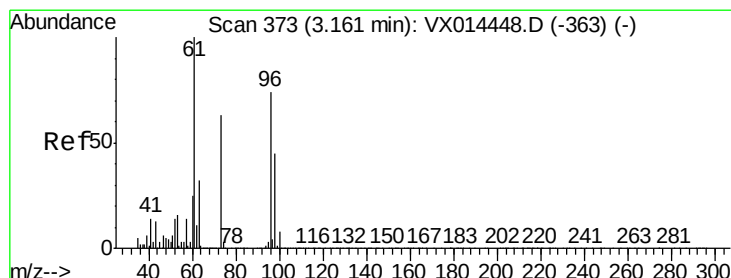
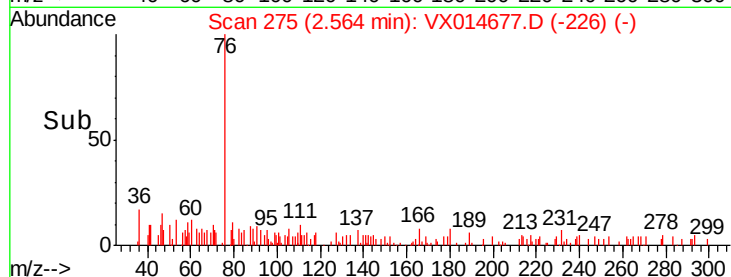
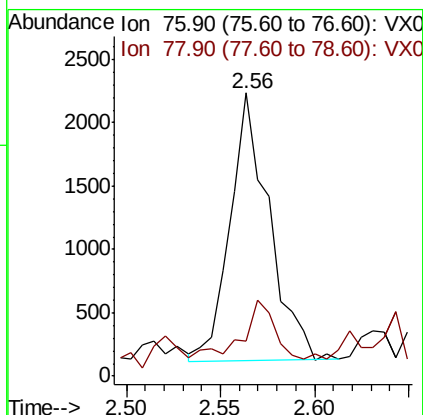
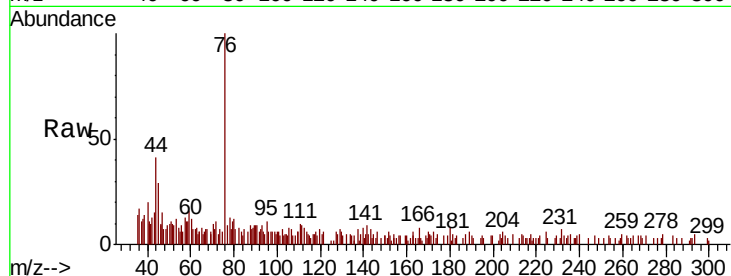
ClientSampleId :

Tot Ion: 76 Resp: 3019

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.2#



#21

trans-1,2-Dichloroethene

Concen: 0.223 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

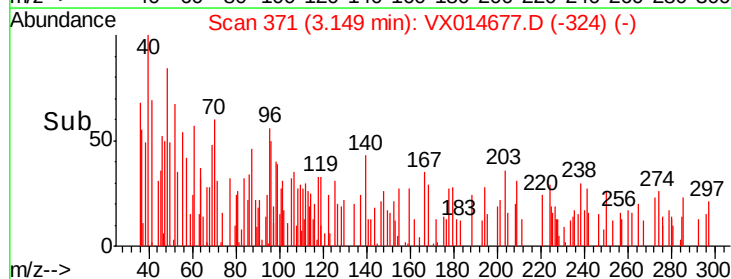
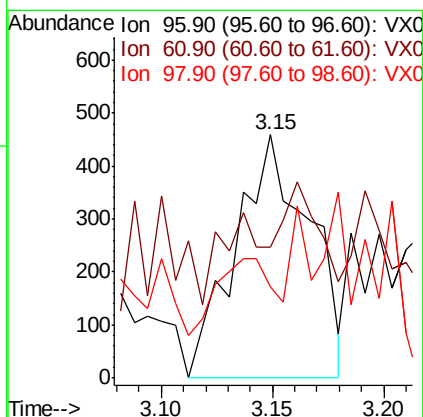
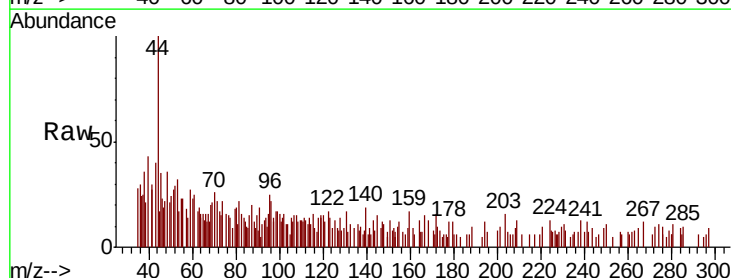
Tgt Ion: 96 Resp: 1056

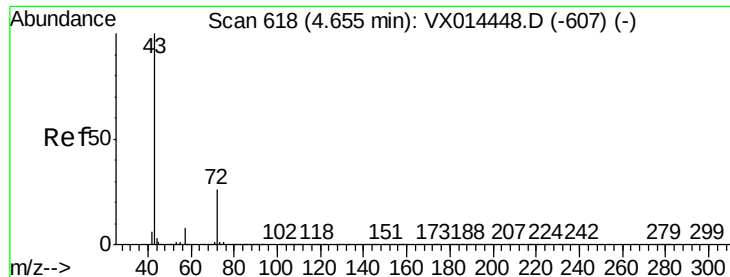
Ion Ratio Lower Upper

96 100

61 17.2 108.2 162.4#

98 0.0 48.8 73.2#





#25

2-Butanone

Concen: 1.968 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

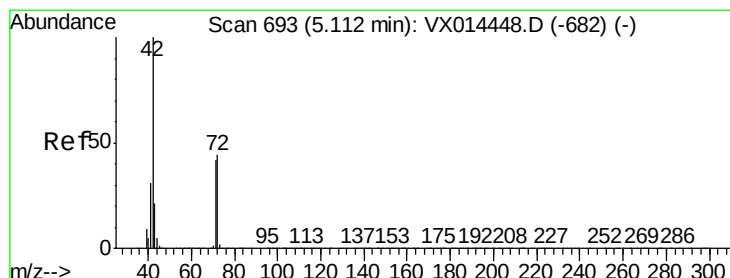
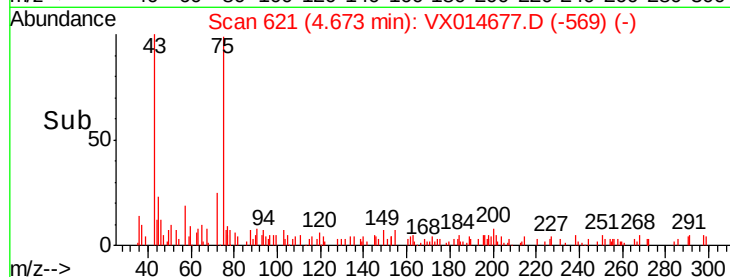
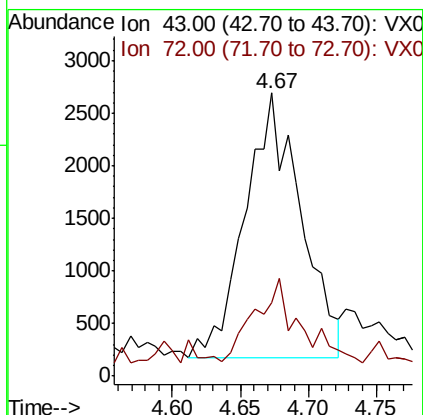
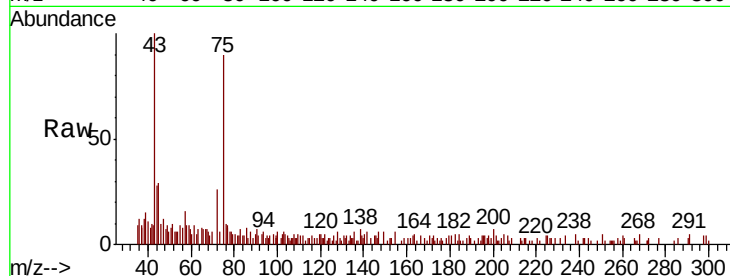
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 7216

Ion Ratio Lower Upper

43 100

72 18.3 20.6 31.0#



#29

Tetrahydrofuran

Concen: 0.263 ug/l

RT: 5.19 min Scan# 706

Delta R.T. 0.08 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

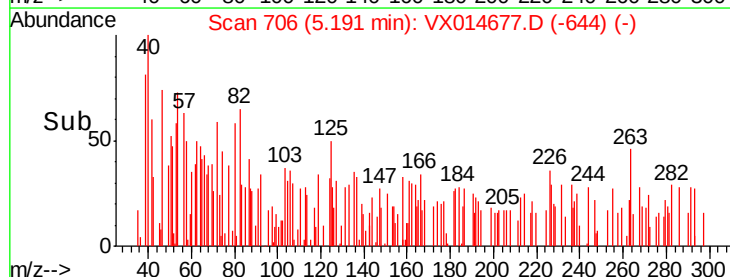
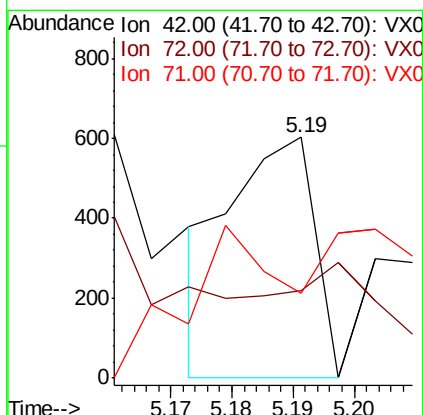
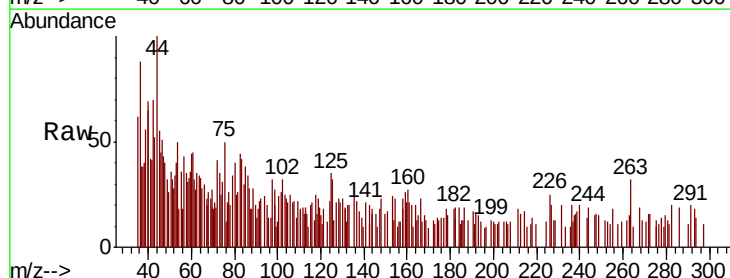
Tgt Ion: 42 Resp: 571

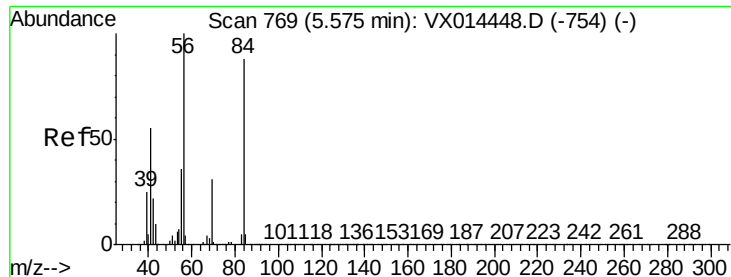
Ion Ratio Lower Upper

42 100

72 38.7 36.2 54.4

71 40.1 34.1 51.1

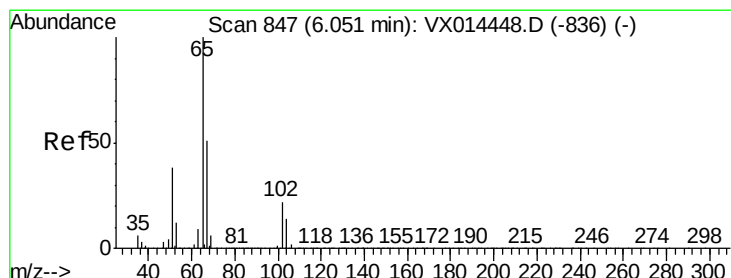
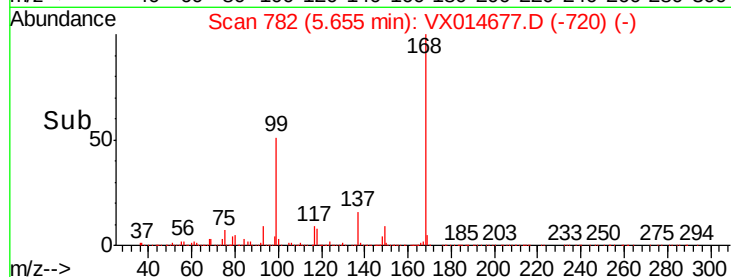
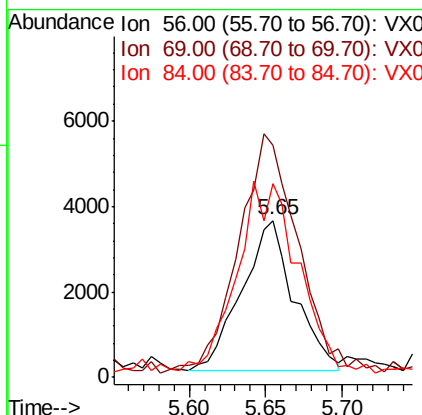
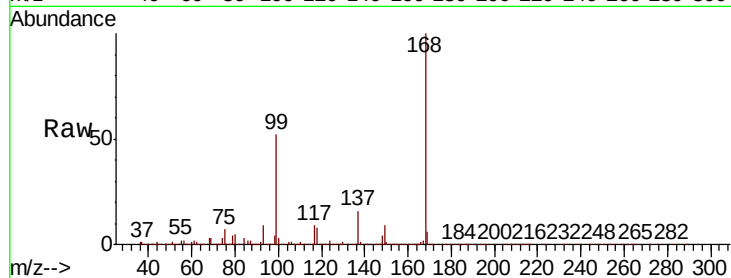




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.08 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

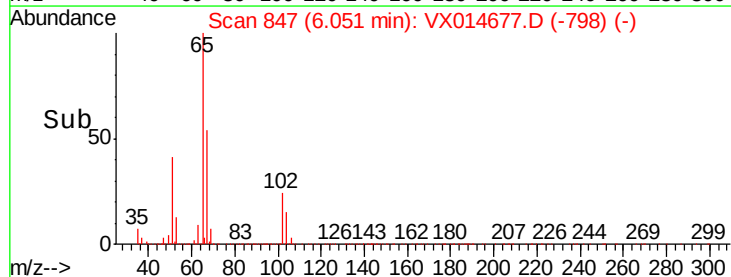
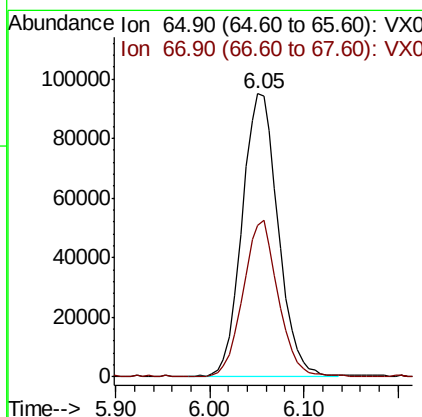
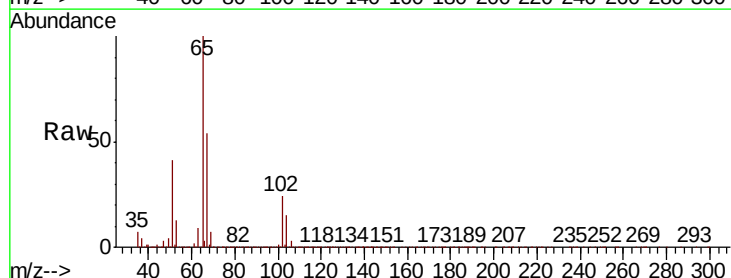
Instrument :
MSVOA_X
ClientSampleId :

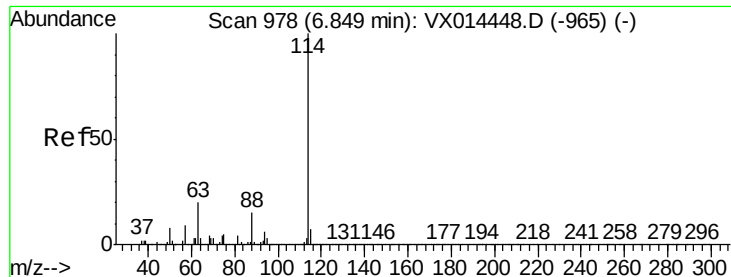
Tot Ion: 56 Resp: 8337
Ion Ratio Lower Upper
56 100
69 142.2 24.4 36.6#
84 122.1 70.6 106.0#



#33
1,2-Dichloroethane-d4
Concen: 51.642 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Tgt Ion: 65 Resp: 253453
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.2

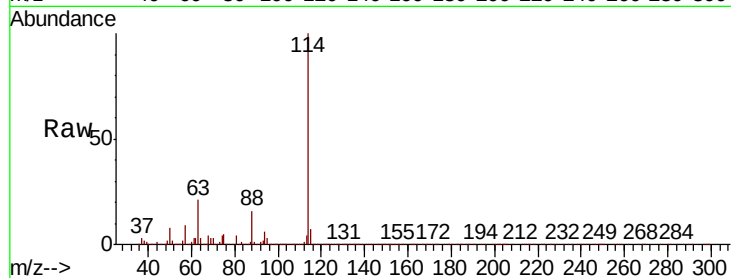




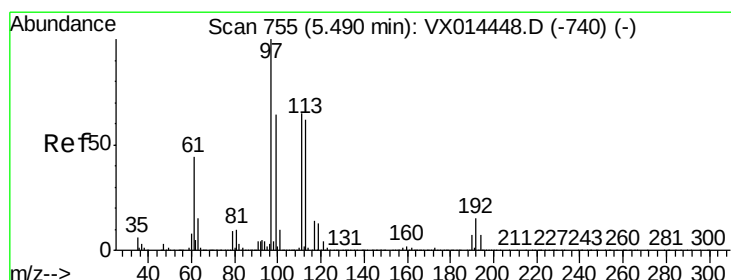
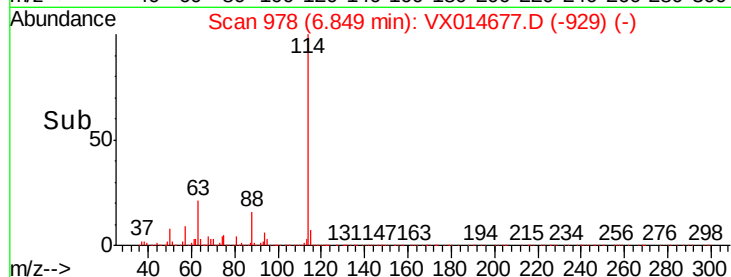
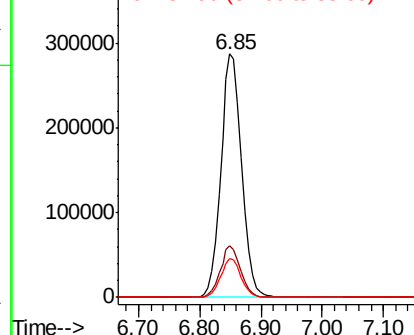
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	39.6
88	16.0	0.0	30.8

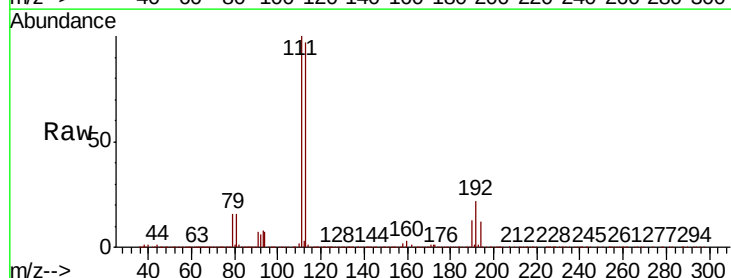


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

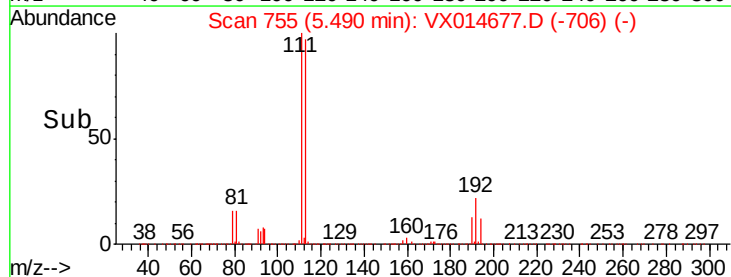
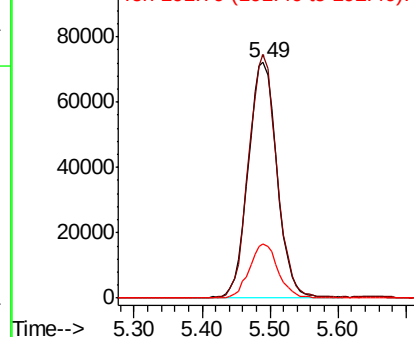


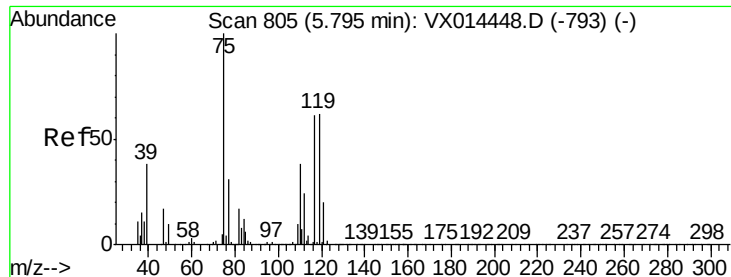
#35
Dibromofluoromethane
Concen: 51.824 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.5	122.3
192	22.4	19.2	28.8



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

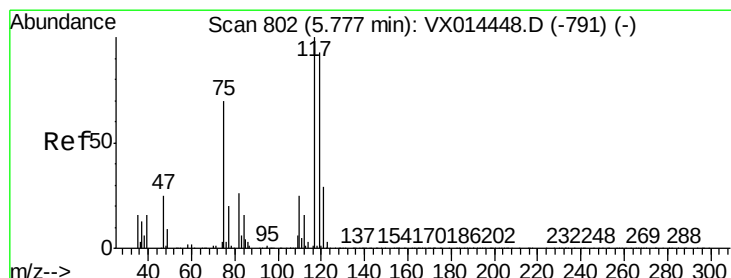
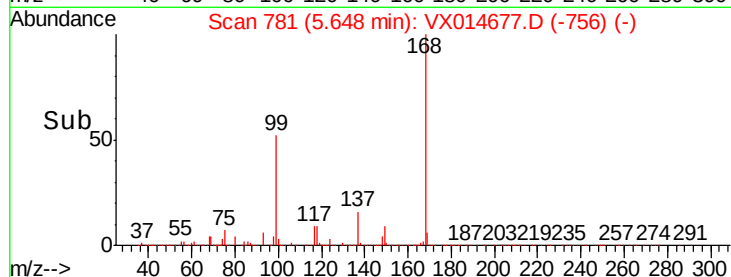
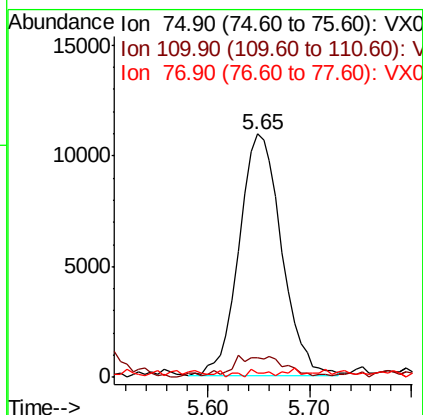
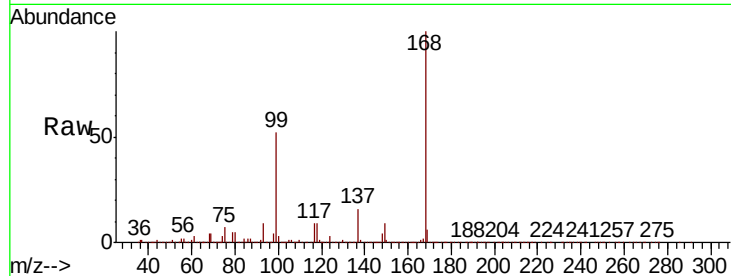




#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014677.D
 Acq: 21 Jan 2020 11:39

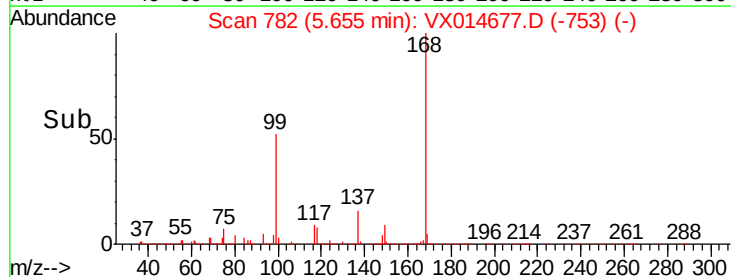
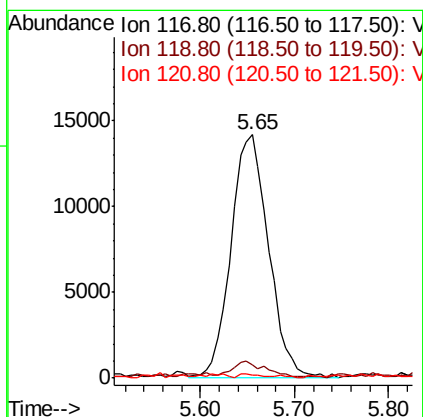
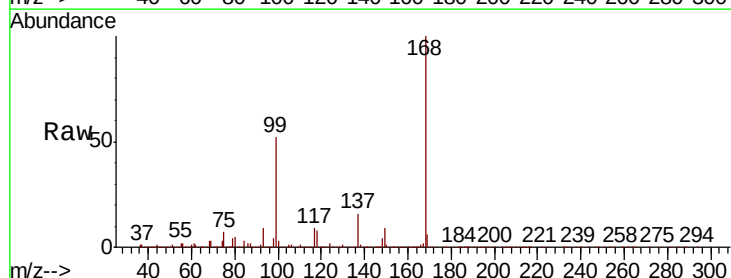
Instrument :
 MSVOA_X
 ClientSampled :

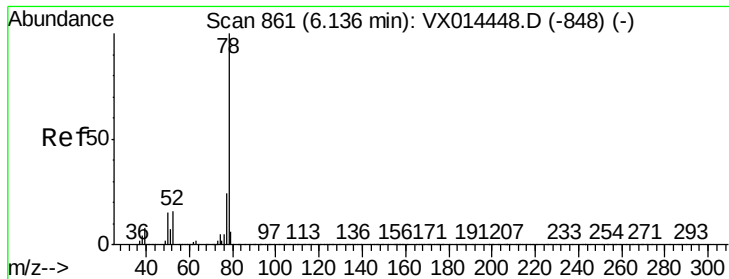
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.6	55.8#
77	0.7	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.718 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014677.D
 Acq: 21 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	73.8	110.8#
121	0.3	23.4	35.0#





#40

Benzene

Concen: 0.203 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

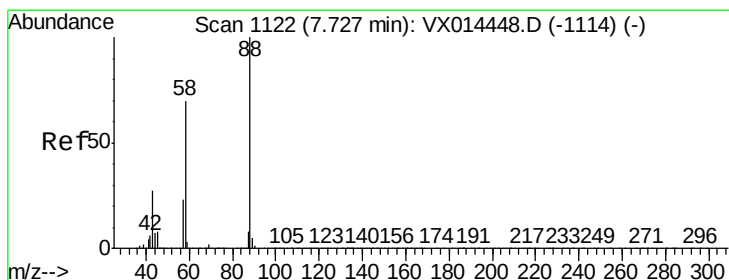
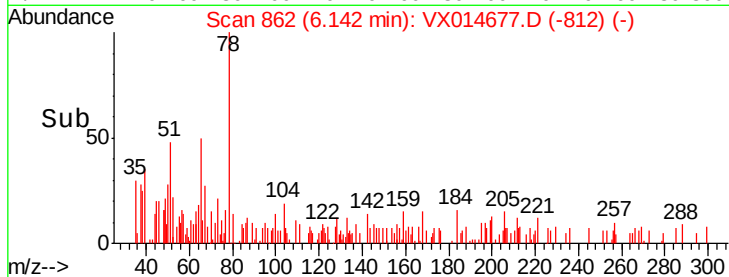
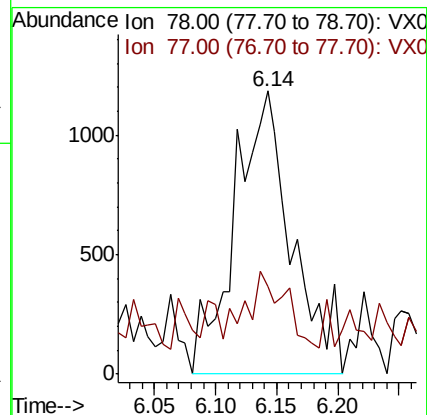
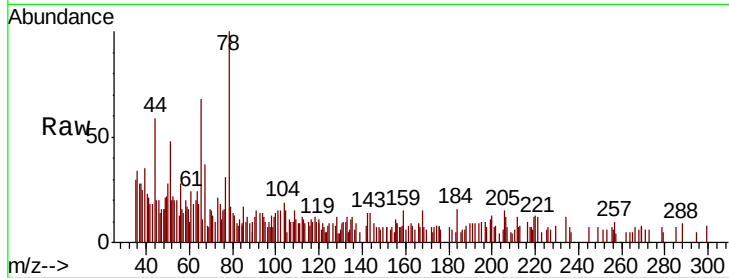
ClientSampleId :

Tot Ion: 78 Resp: 3853

Ion Ratio Lower Upper

78 100

77 15.2 19.5 29.3#



#49

1,4-Dioxane

Concen: 2.167 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

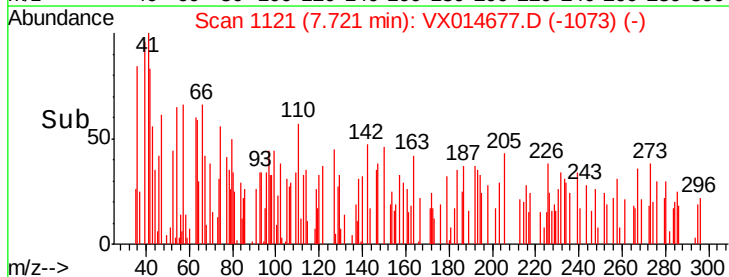
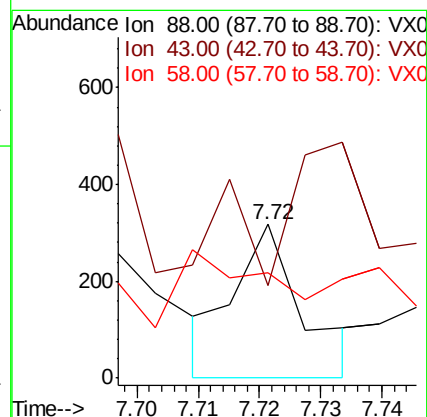
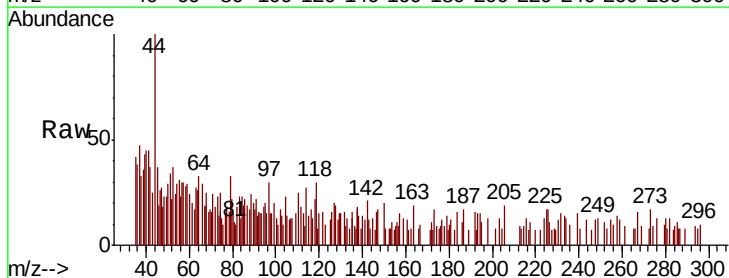
Tgt Ion: 88 Resp: 247

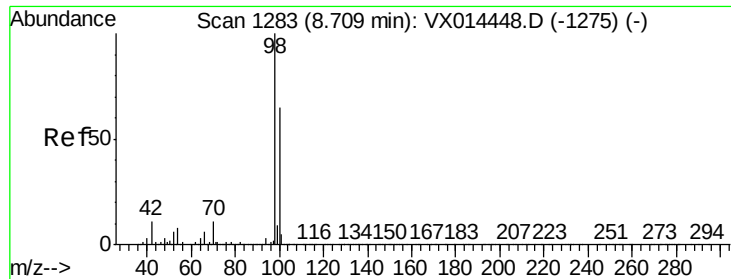
Ion Ratio Lower Upper

88 100

43 104.0 27.4 41.0#

58 0.0 57.1 85.7#

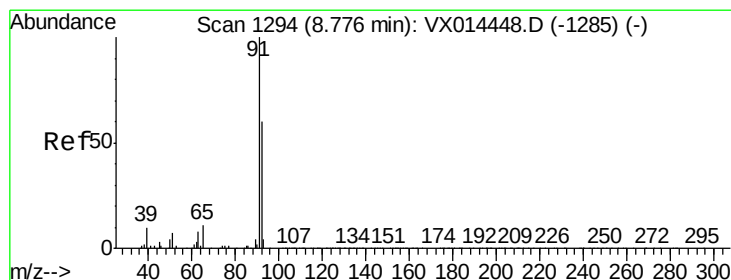
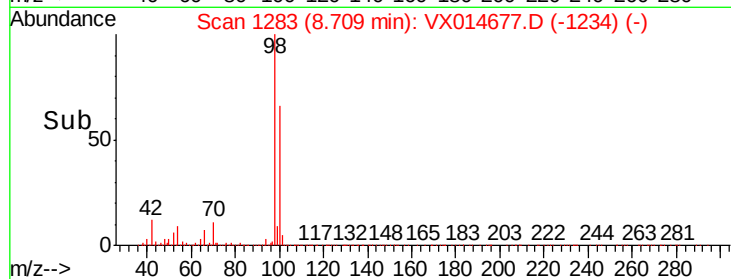
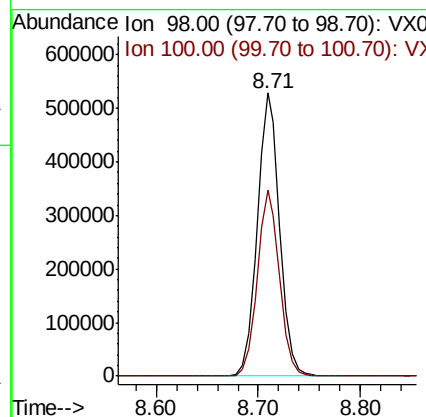
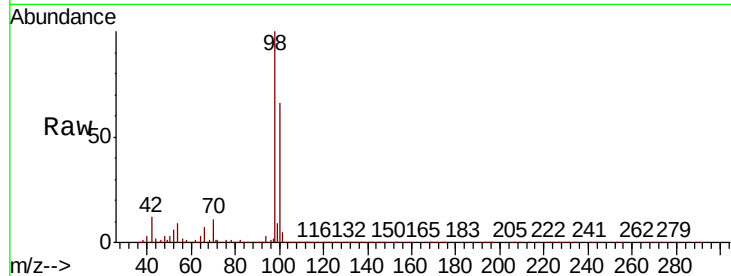




#50
Toluene-d8
Concen: 50.537 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

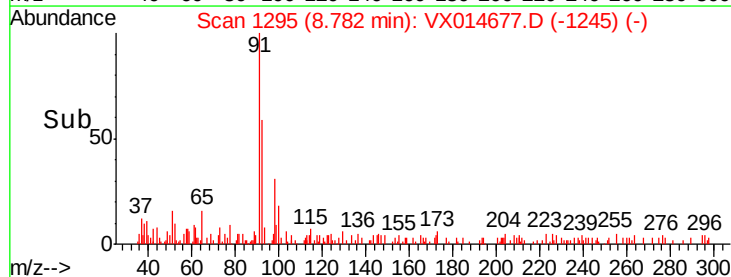
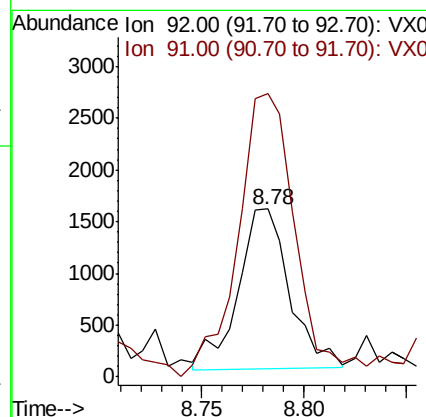
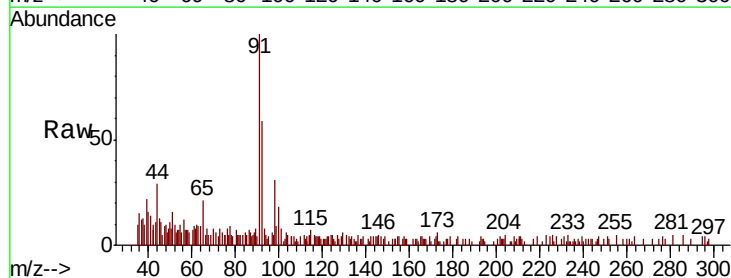
Instrument :
MSVOA_X
ClientSampleId :

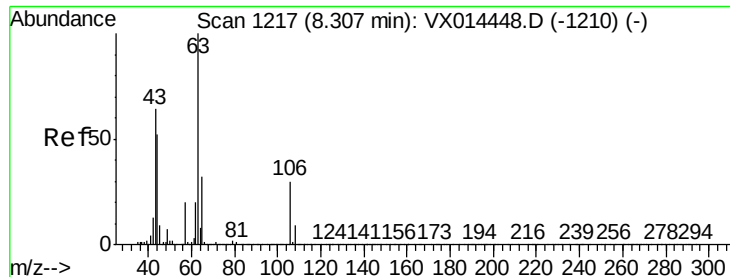
Tot Ion: 98 Resp: 807920
Ion Ratio Lower Upper
98 100
100 65.1 53.2 79.8



#52
Toluene
Concen: 0.225 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Tgt Ion: 92 Resp: 2739
Ion Ratio Lower Upper
92 100
91 195.4 135.7 203.5

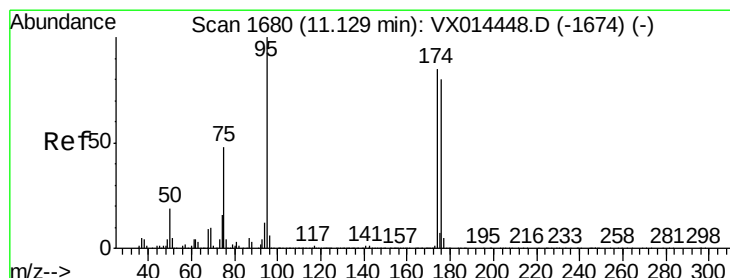
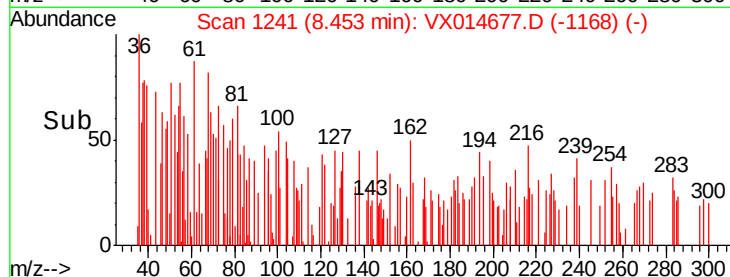
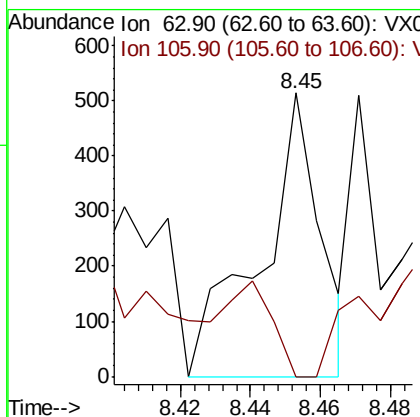
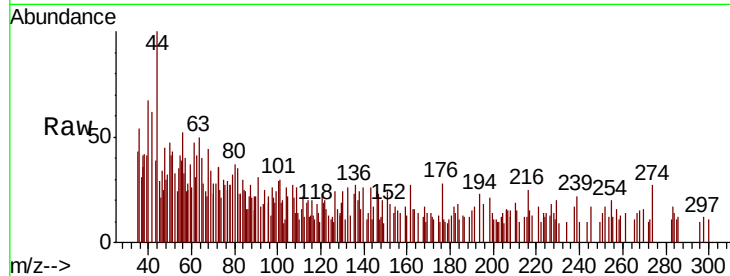




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.241 ug/l
 RT: 8.45 min Scan# 1241
 Delta R.T. 0.15 min
 Lab File: VX014677.D
 Acq: 21 Jan 2020 11:39

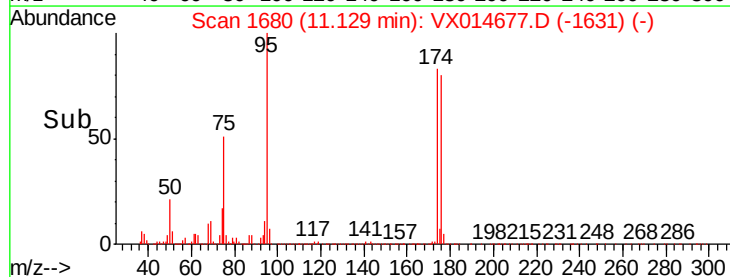
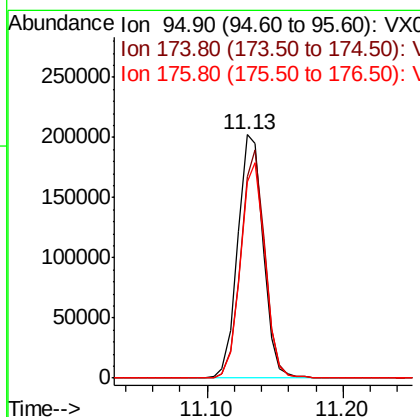
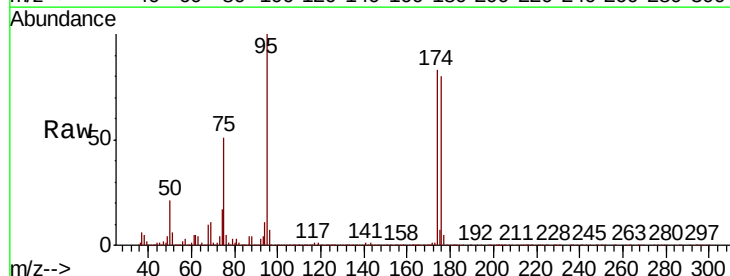
Instrument :
 MSVOA_X
 ClientSampled :

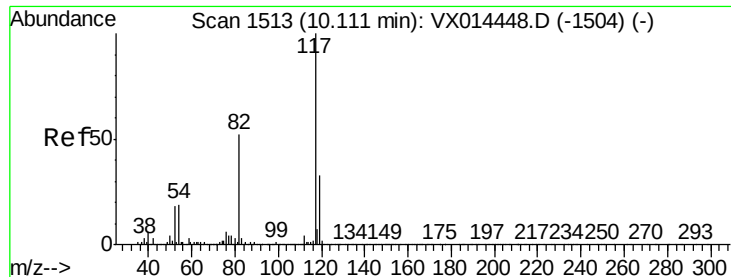
Tot Ion: 63 Resp: 613
 Ion Ratio Lower Upper
 63 100
 106 24.5 23.6 35.4



#62
 4-Bromofluorobenzene
 Concen: 44.715 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX014677.D
 Acq: 21 Jan 2020 11:39

Tgt Ion: 95 Resp: 262428
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 180.8
 176 85.5 0.0 172.8

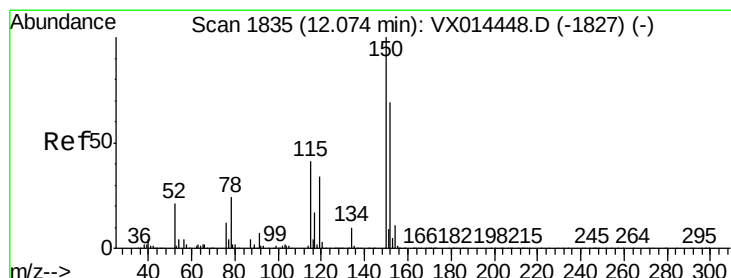
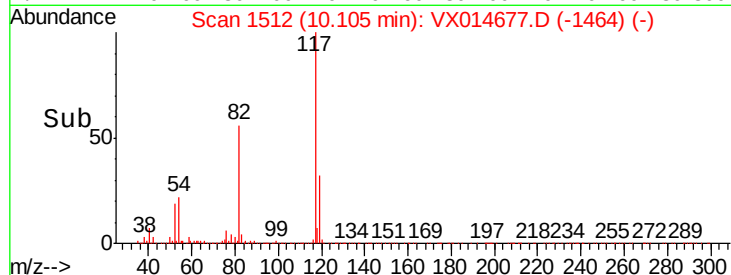
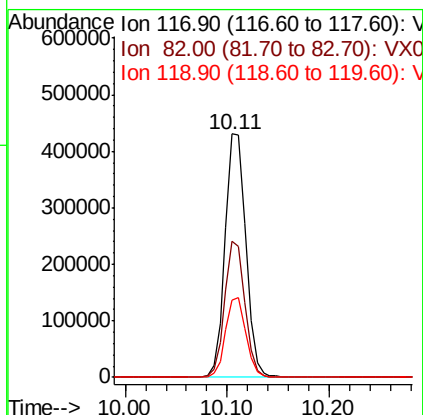
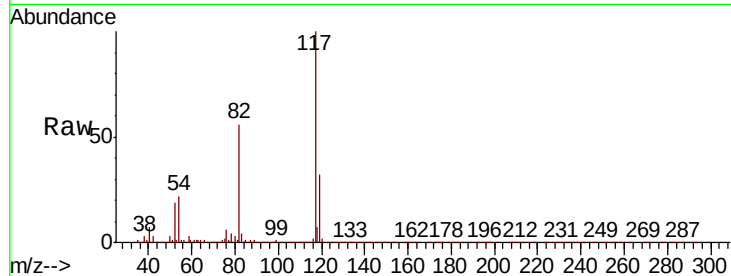




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

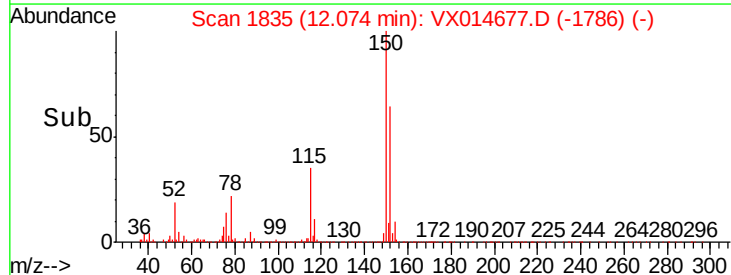
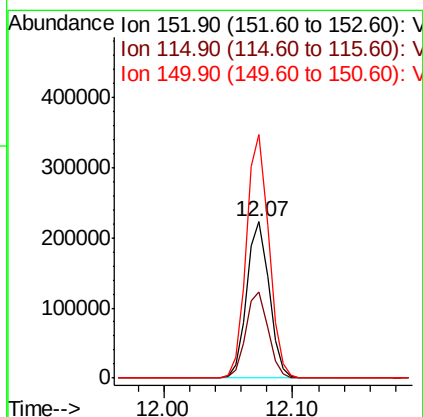
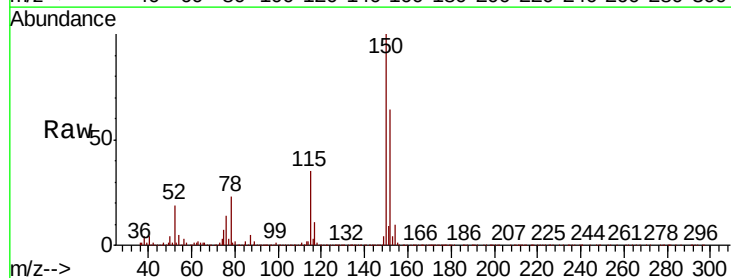
Instrument :
MSVOA_X
ClientSampled :

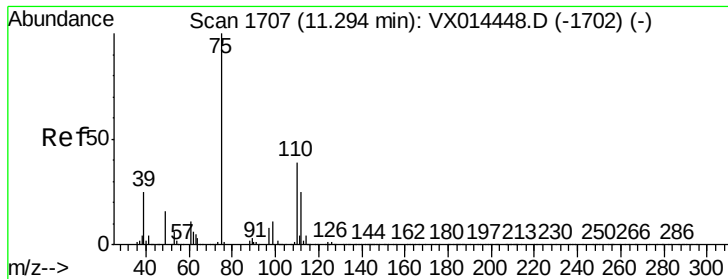
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	41.8	62.6
119	31.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014677.D
Acq: 21 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.5	118.3
150	155.7	0.0	350.2





#76

1,2,3-Trichloropropane

Concen: 23.549 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

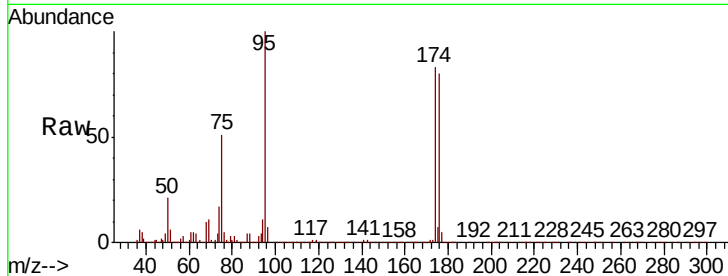
ClientSampleId :

Tot Ion: 75 Resp: 129784

Ion Ratio Lower Upper

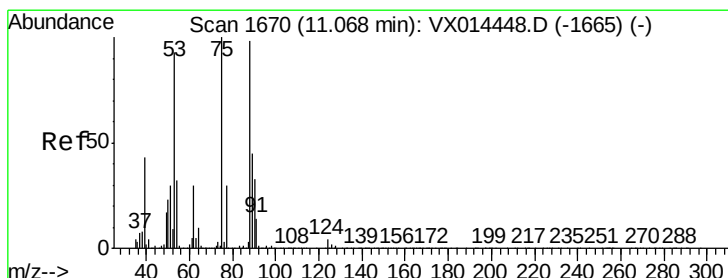
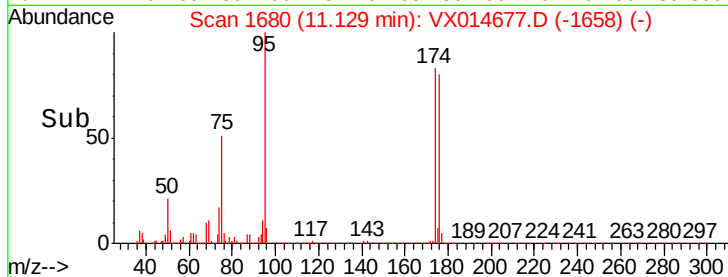
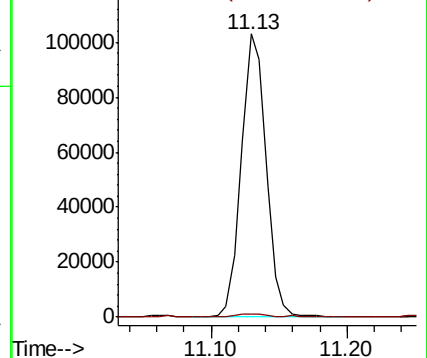
75 100

77 1.3 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: 62.259 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

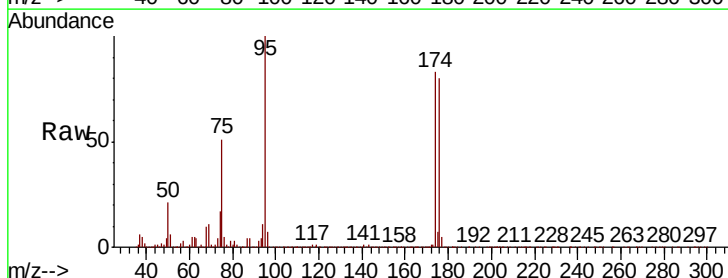
Tgt Ion: 75 Resp: 129784

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

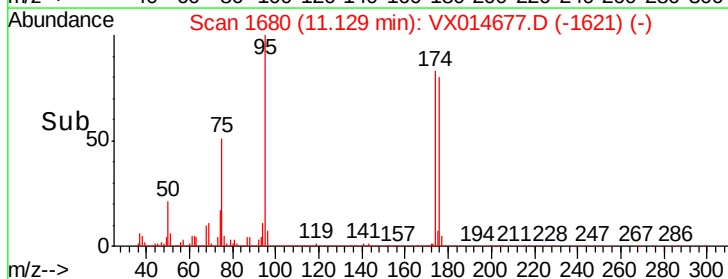
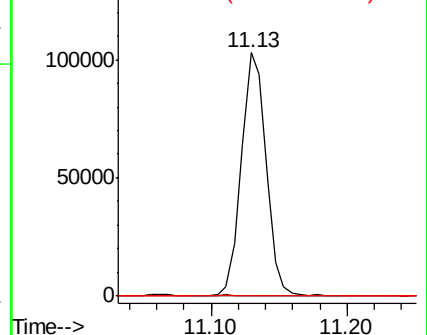
89 0.2 36.3 54.5#

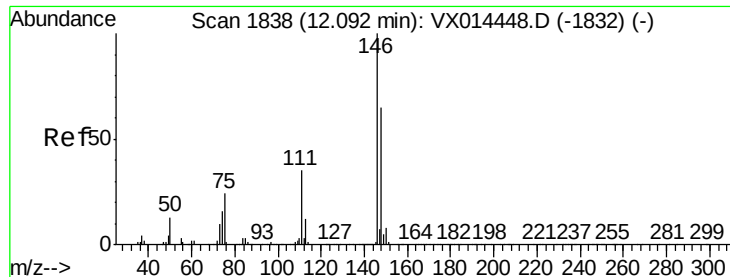


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

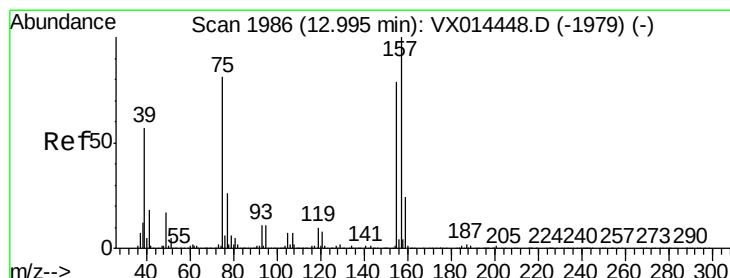
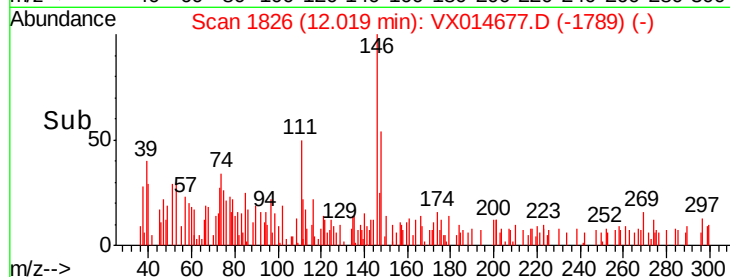
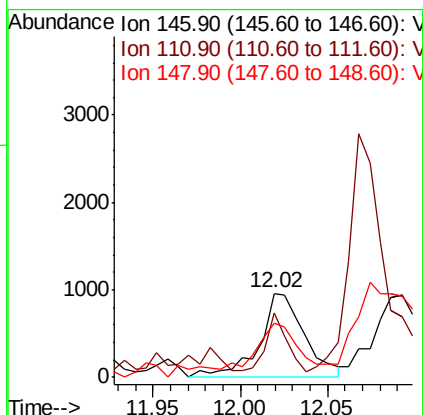
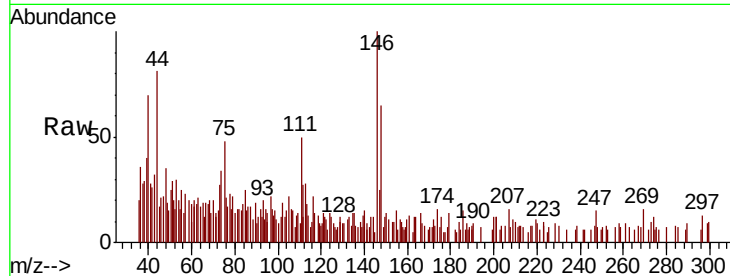




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.07 min
 Lab File: VX014677.D
 Acq: 21 Jan 2020 11:39

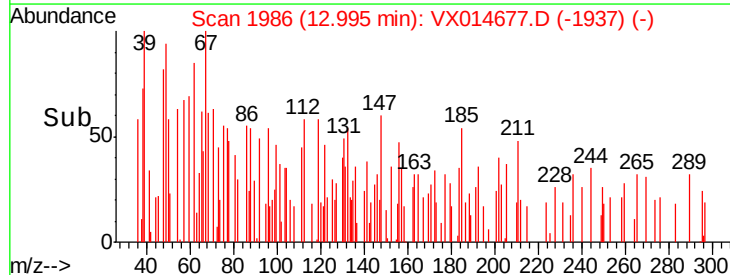
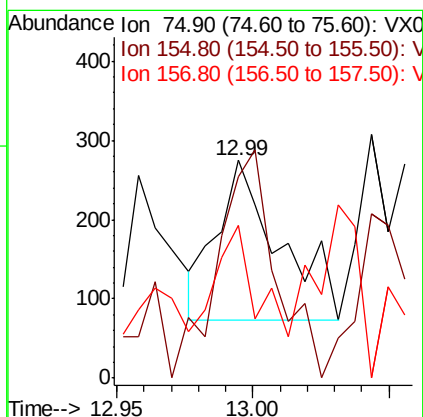
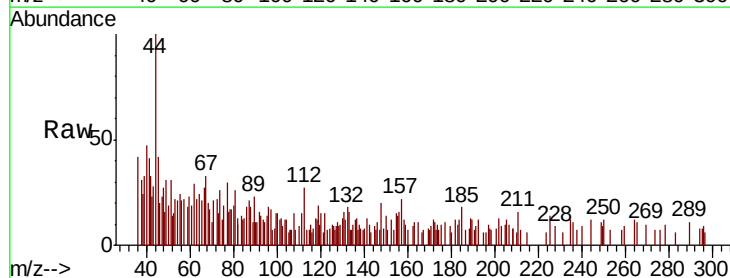
Instrument :
 MSVOA_X
 ClientSampleId :

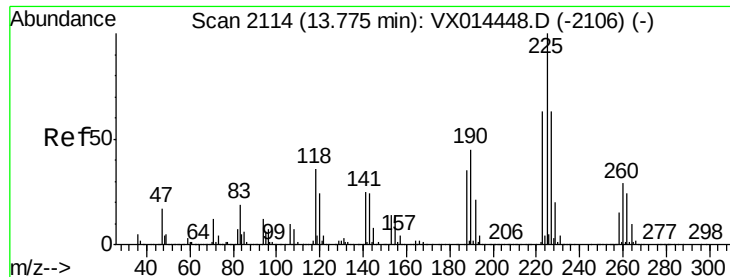
Tot Ion:146 Resp: 1724
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.1 54.1
 148 50.6 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.238 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014677.D
 Acq: 21 Jan 2020 11:39

Tgt Ion: 75 Resp: 321
 Ion Ratio Lower Upper
 75 100
 155 131.5 48.7 146.1
 157 76.6 62.0 185.9





#94

Hexachlorobutadiene

Concen: 0.297 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

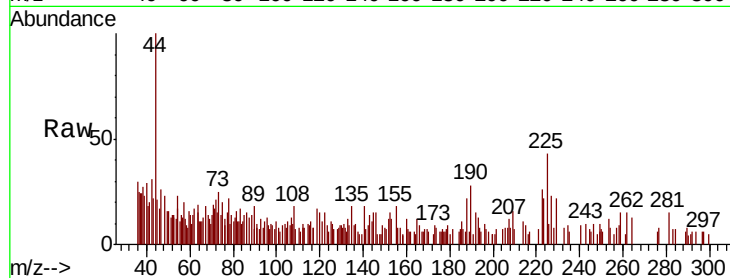
Tot Ion:225 Resp: 706

Ion Ratio Lower Upper

225 100

223 85.3 31.1 93.2

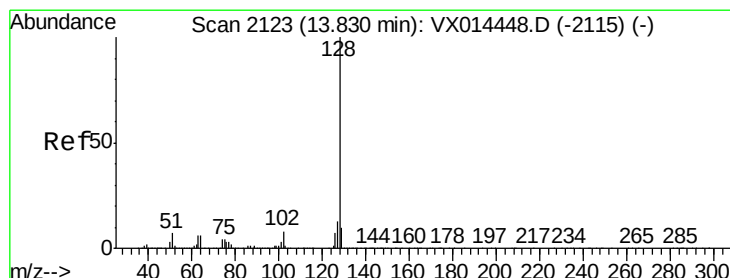
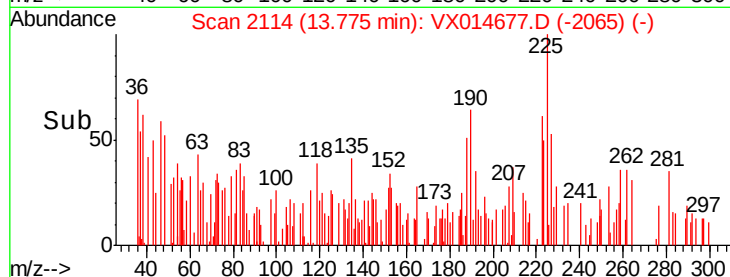
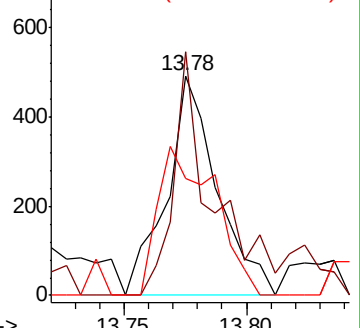
227 76.6 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.277 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX014677.D

Acq: 21 Jan 2020 11:39

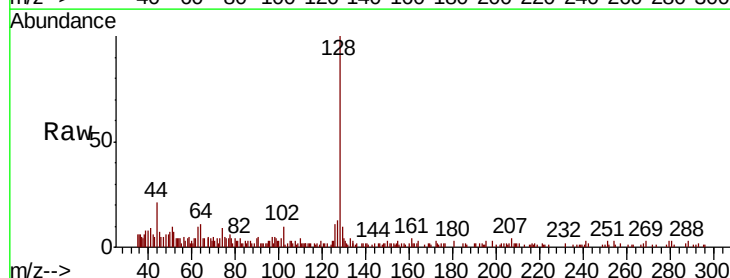
Tgt Ion:128 Resp: 5503

Ion Ratio Lower Upper

128 100

127 15.8 10.3 15.5#

129 19.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

