

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010320\
 Data File : VX014410.D
 Acq On : 03 Jan 2020 18:57
 Operator : JC/SP
 Sample : L1008-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-02-010220

Quant Time: Jan 06 02:35:12 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	550346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	834467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	743463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332003	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	297395	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.49	113	244128	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	982317	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	333262	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

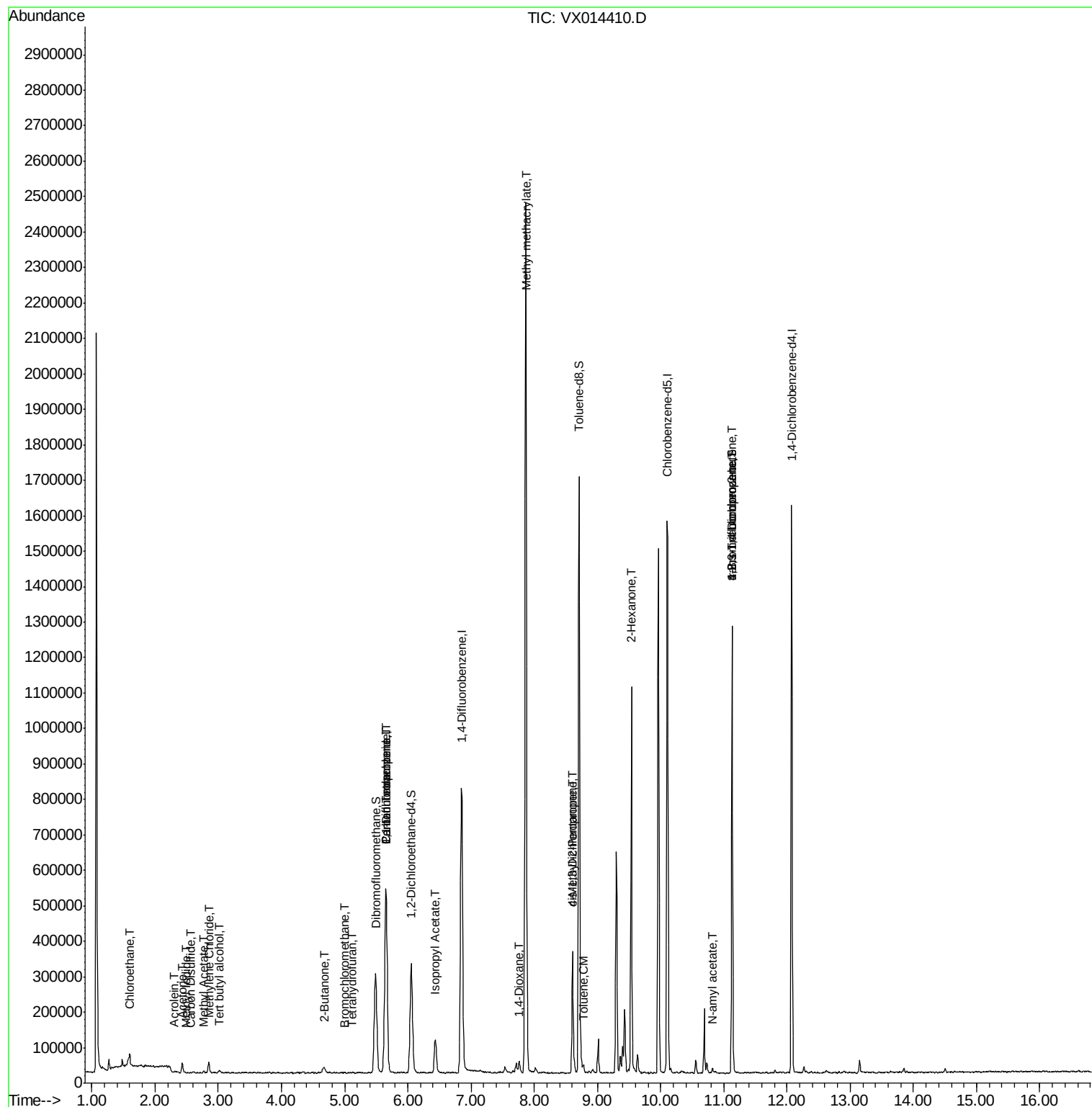
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	2019	0.469	ug/l #	51
10) Methyl Iodide	2.50	142	278	2.659	ug/l #	8
11) Tert butyl alcohol	3.02	59	8449	6.269	ug/l #	72
13) Acrolein	2.30	56	596	0.773	ug/l #	32
16) Acetone	2.43	43	29296	7.235	ug/l	98
17) Carbon Disulfide	2.57	76	975	0.816	ug/l #	47
18) Methyl Acetate	2.76	43	5375	0.670	ug/l #	88
20) Methylene Chloride	2.86	84	15290	2.398	ug/l	90
25) 2-Butanone	4.67	43	18777	3.761	ug/l	91
28) Bromochloromethane	5.00	49	95	0.477	ug/l #	1
29) Tetrahydrofuran	5.12	42	679	0.243	ug/l #	48
36) 1,1-Dichloropropene	5.65	75	36084	4.713	ug/l #	51
38) Carbon Tetrachloride	5.65	117	45845	6.573	ug/l #	16
43) Isopropyl Acetate	6.43	43	129063	9.224	ug/l	100
48) Methyl methacrylate	7.87	41	203286	29.668	ug/l #	43
49) 1,4-Dioxane	7.76	88	281	2.015	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	122153	13.900	ug/l #	50
52) Toluene	8.78	92	7238	0.486	ug/l	88
54) cis-1,3-Dichloropropene	8.61	75	57421	6.252	ug/l #	60
59) 2-Hexanone	9.54	43	131300	18.560	ug/l #	49
74) N-amyl acetate	10.82	43	7305	0.667	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	160780	22.307	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	160780	62.961	ug/l #	11

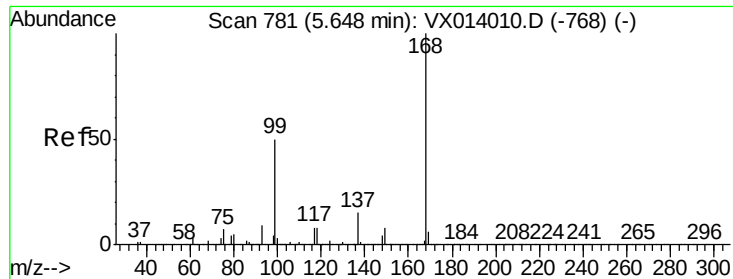
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
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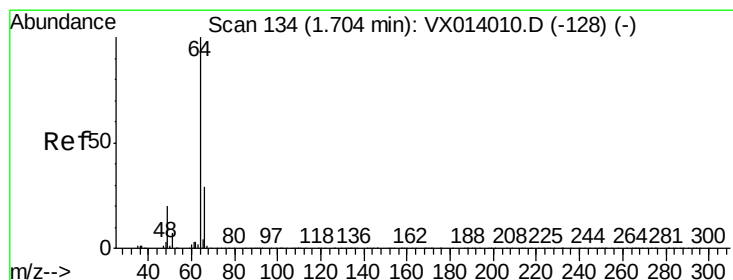
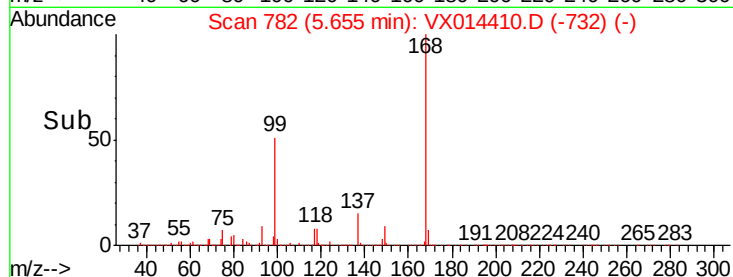
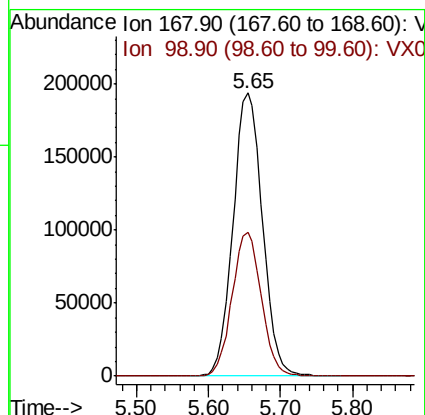
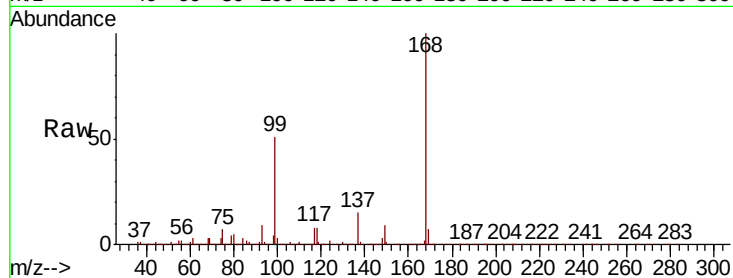


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-02-010220

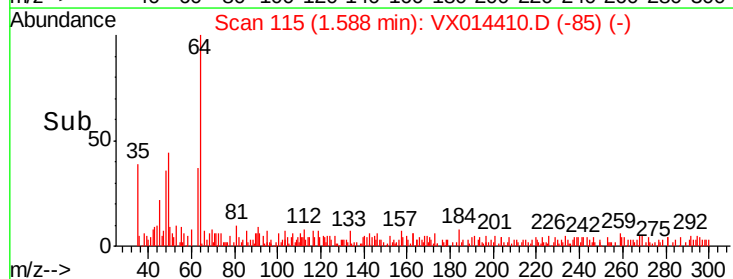
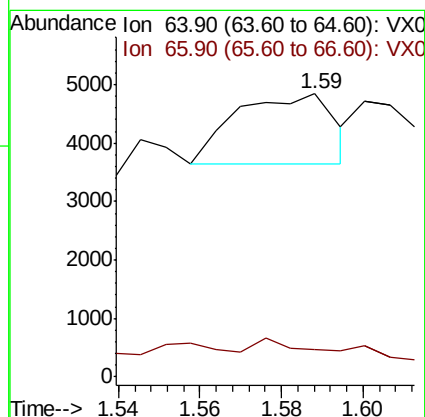
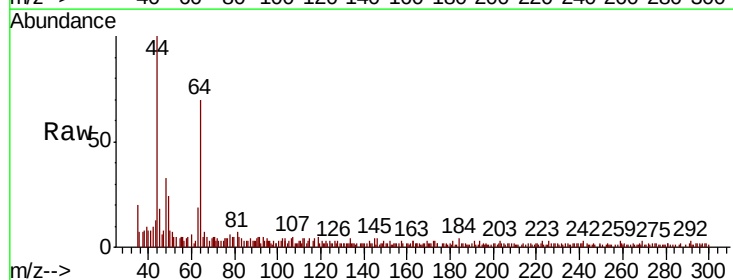
Tot Ion:168 Resp: 550346
 Ion Ratio Lower Upper
 168 100
 99 50.9 40.3 60.5

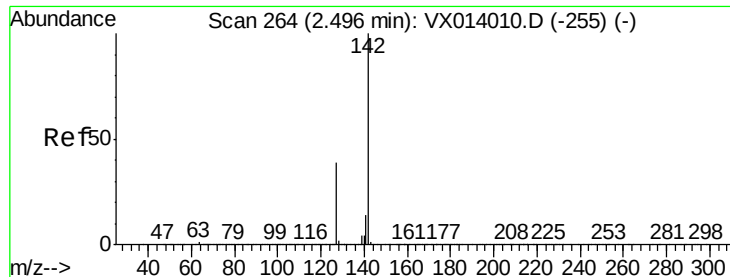


#6

Chloroethane
 Concen: 0.469 ug/l
 RT: 1.59 min Scan# 115
 Delta R.T. -0.12 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

Tgt Ion: 64 Resp: 2019
 Ion Ratio Lower Upper
 64 100
 66 2.8 23.4 35.2#





#10

Methvl Iodide

Concen: 2.659 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

CL-02-010220

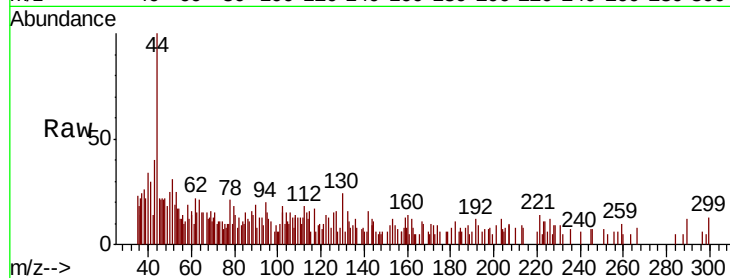
Tot Ion:142 Resp: 278

Ion Ratio Lower Upper

142 100

127 109.0 31.6 47.4#

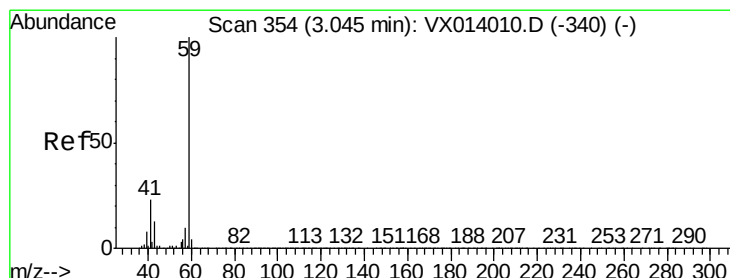
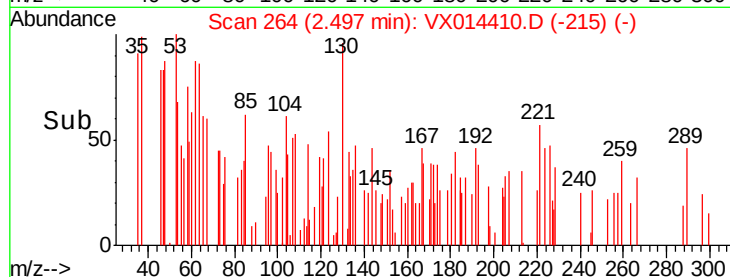
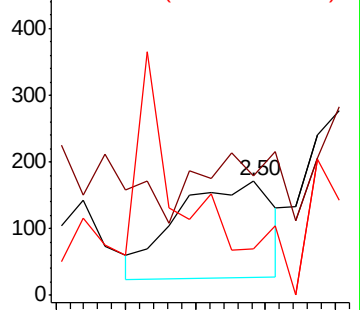
141 0.0 11.6 17.4#



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: 6.269 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014410.D

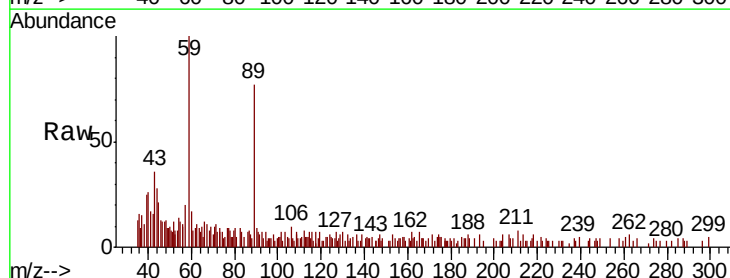
Acq: 03 Jan 2020 18:57

Tgt Ion: 59 Resp: 8449

Ion Ratio Lower Upper

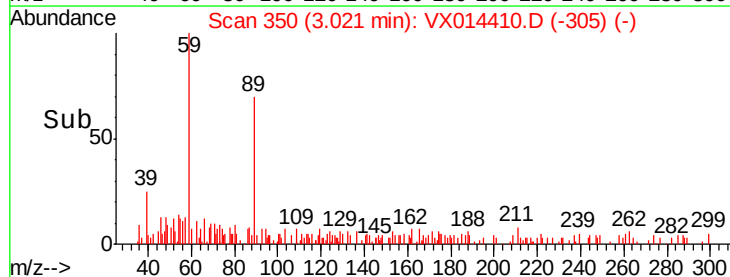
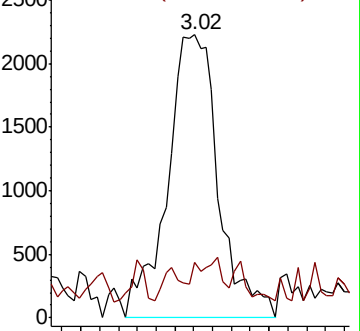
59 100

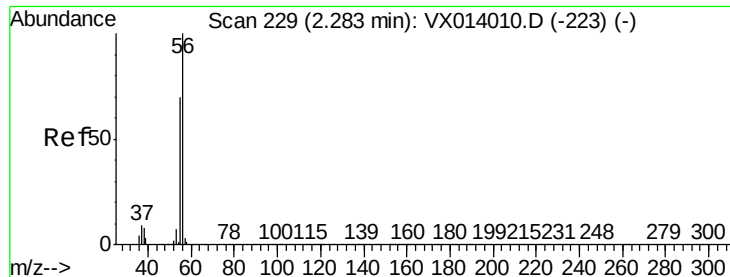
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.773 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampled :

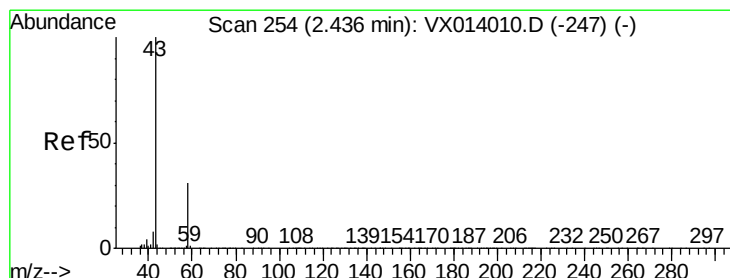
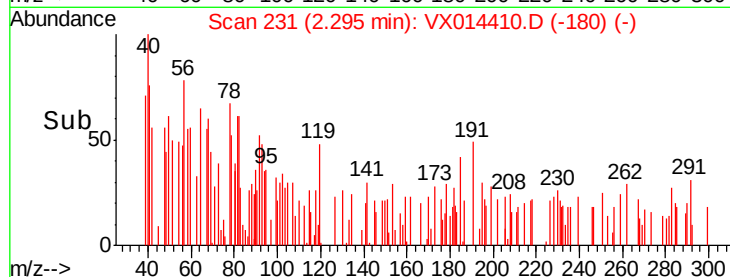
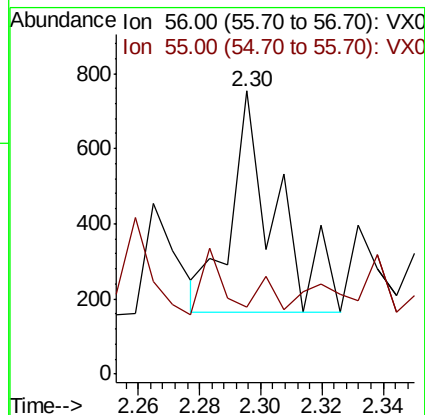
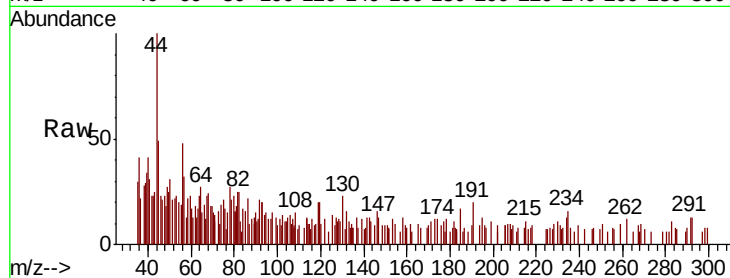
CL-02-010220

Tot Ion: 56 Resp: 596

Ion Ratio Lower Upper

56 100

55 14.9 56.9 85.3#



#16

Acetone

Concen: 7.235 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014410.D

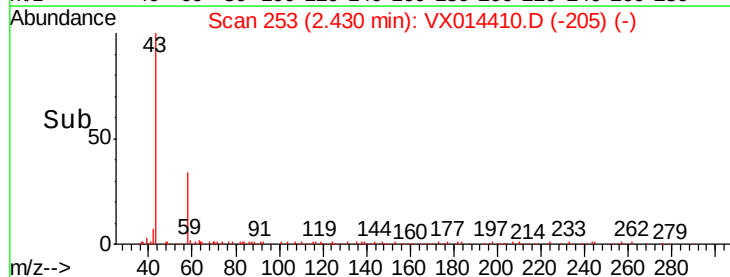
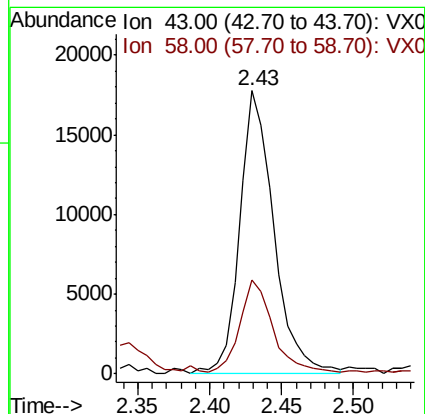
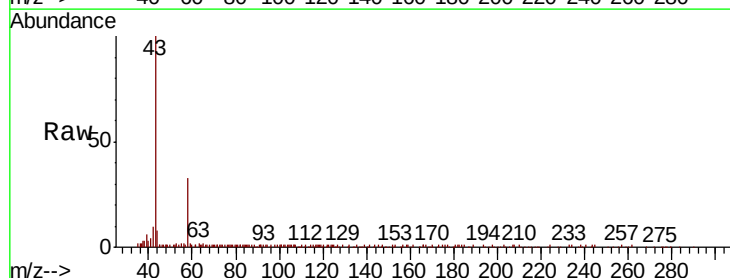
Acq: 03 Jan 2020 18:57

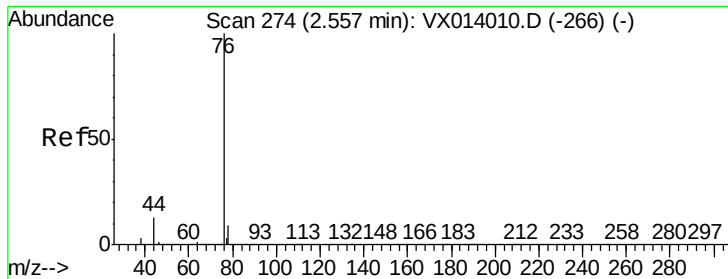
Tgt Ion: 43 Resp: 29296

Ion Ratio Lower Upper

43 100

58 32.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.816 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampled :

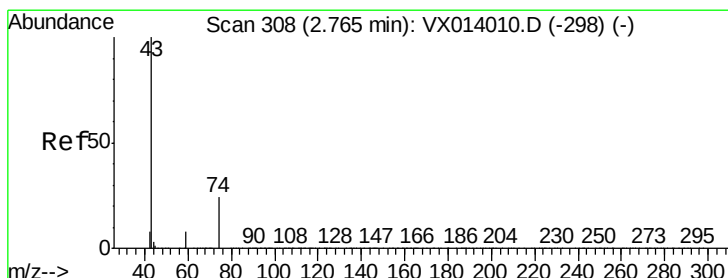
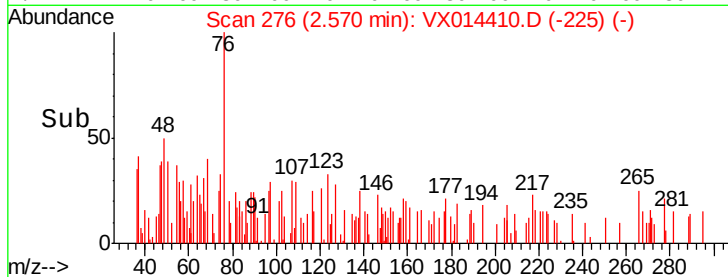
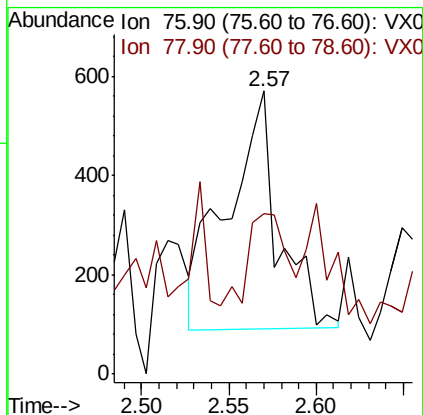
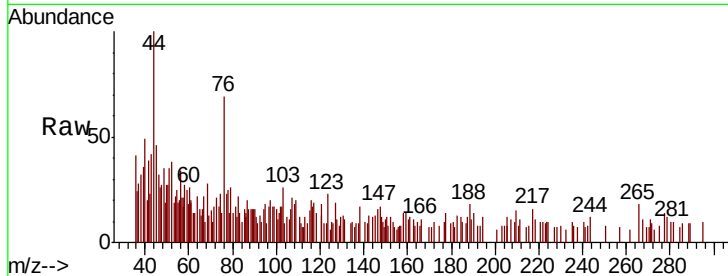
CL-02-010220

Tot Ion: 76 Resp: 975

Ion Ratio Lower Upper

76 100

78 28.3 7.2 10.8#



#18

Methyl Acetate

Concen: 0.670 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014410.D

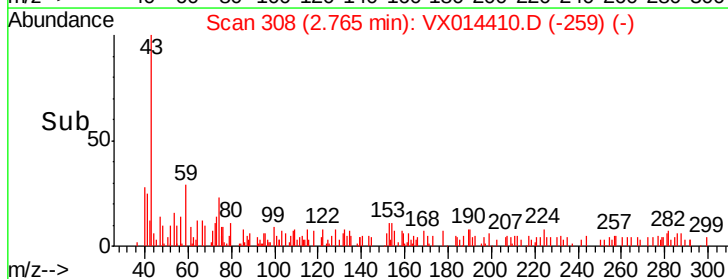
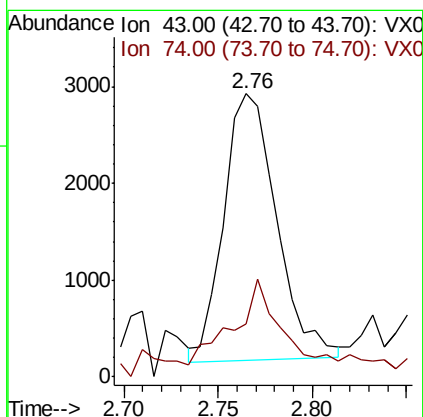
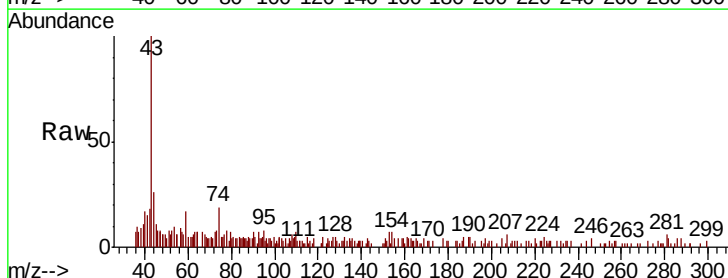
Acq: 03 Jan 2020 18:57

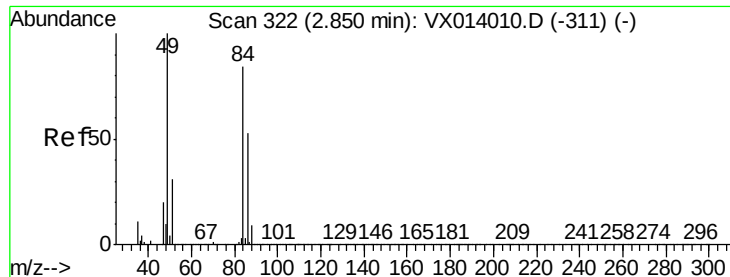
Tgt Ion: 43 Resp: 5375

Ion Ratio Lower Upper

43 100

74 30.4 19.5 29.3#

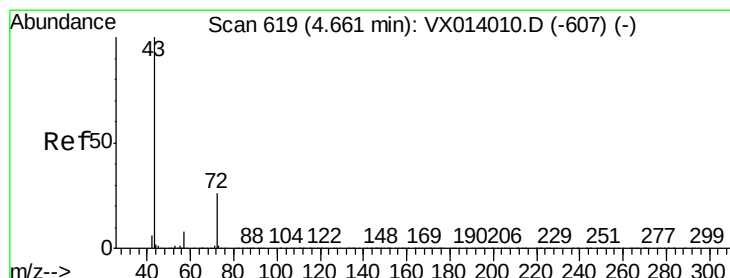
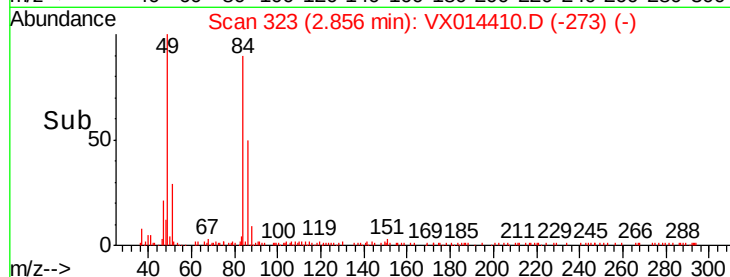
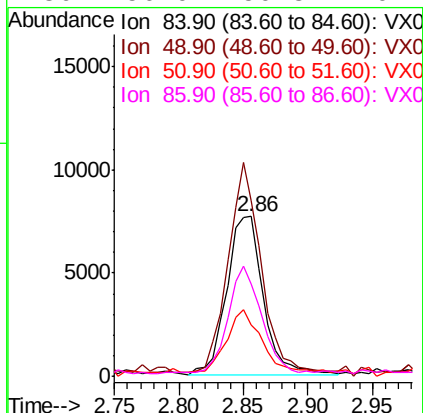
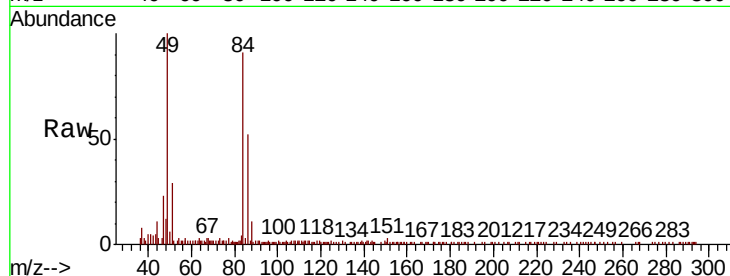




#20
Methvlene Chloride
Concen: 2.398 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

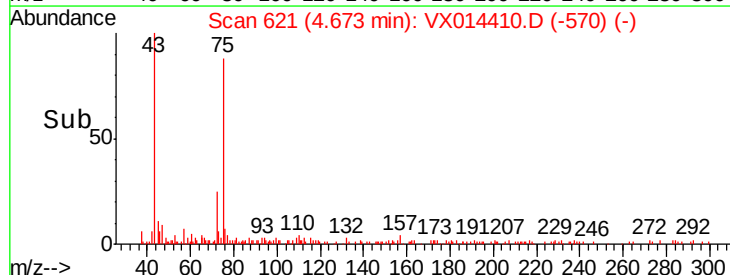
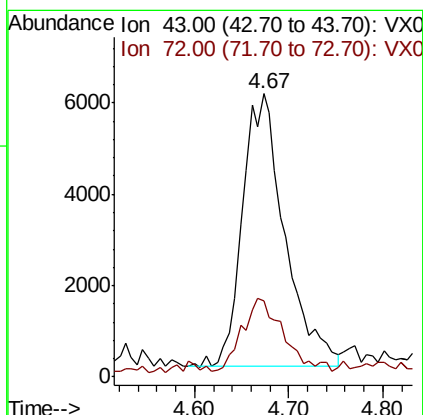
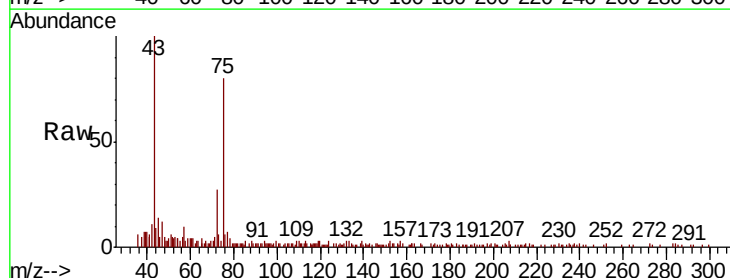
Instrument :
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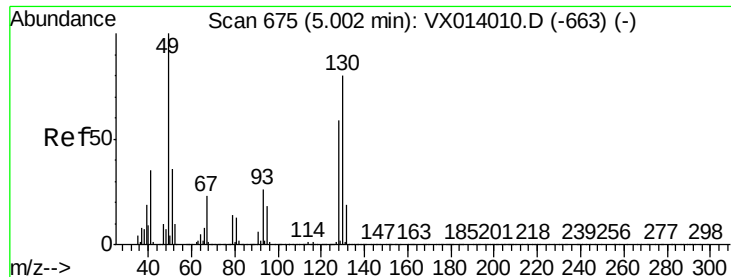
Tot Ion:	84	Resp:	15290
Ion	Ratio	Lower	Upper
84	100		
49	108.8	95.8	143.6
51	30.0	29.8	44.8
86	56.0	50.8	76.2



#25
2-Butanone
Concen: 3.761 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

Tgt Ion:	43	Resp:	18777
Ion	Ratio	Lower	Upper
43	100		
72	21.8	21.0	31.4





#28

Bromochloromethane

Concen: 0.477 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

CL-02-010220

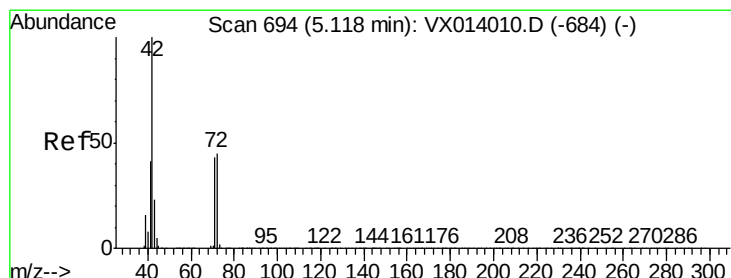
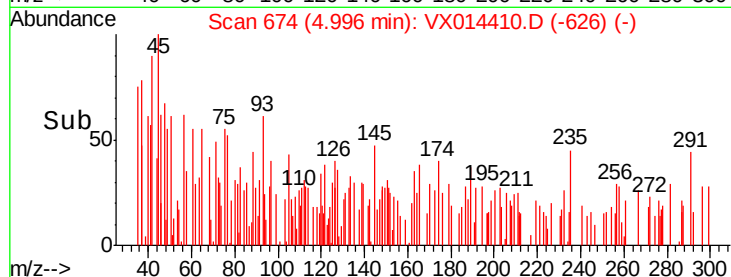
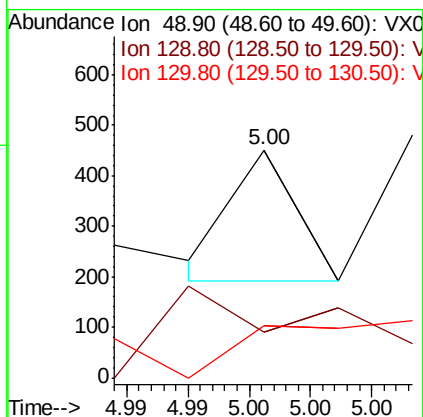
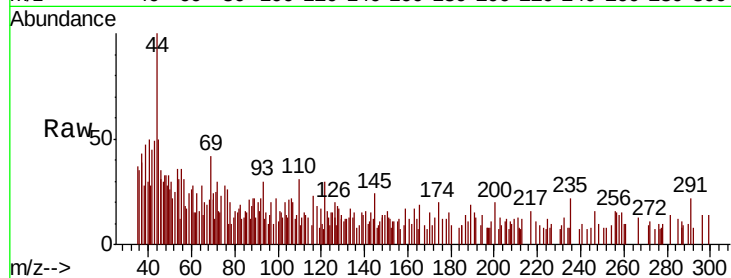
Tot Ion: 49 Resp: 95

Ion Ratio Lower Upper

49 100

129 184.2 0.0 5.0#

130 0.0 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

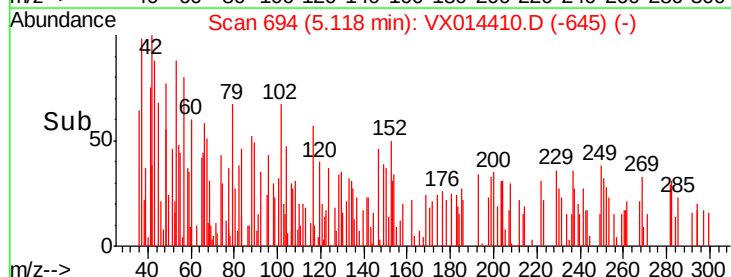
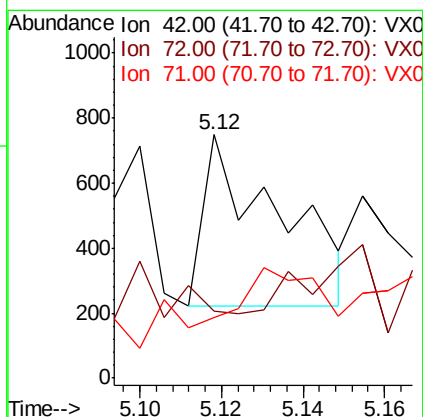
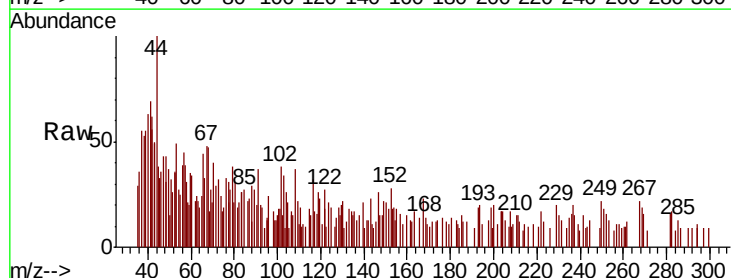
Tgt Ion: 42 Resp: 679

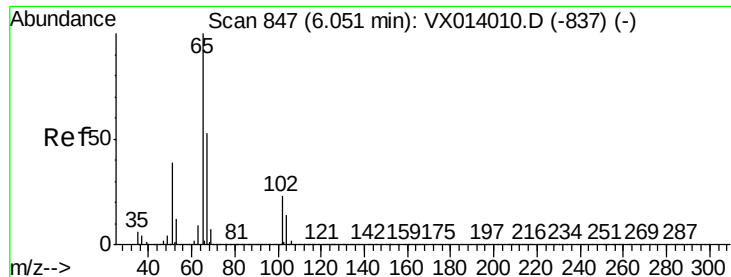
Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

71 63.9 33.6 50.4#

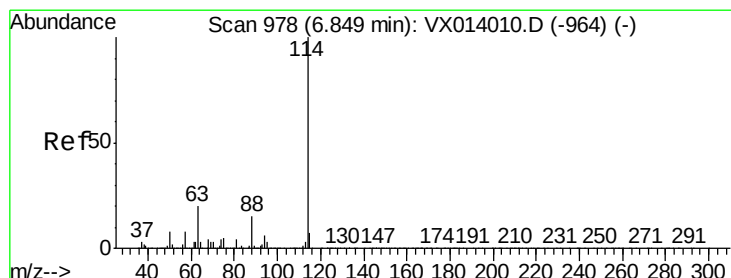
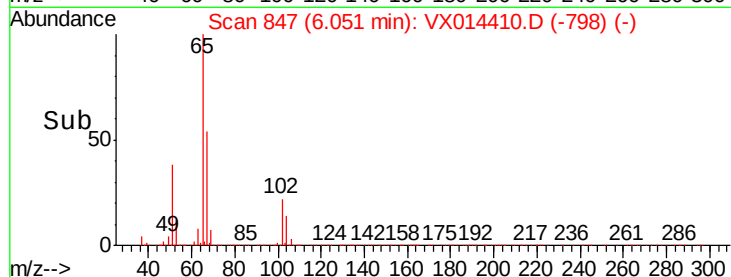
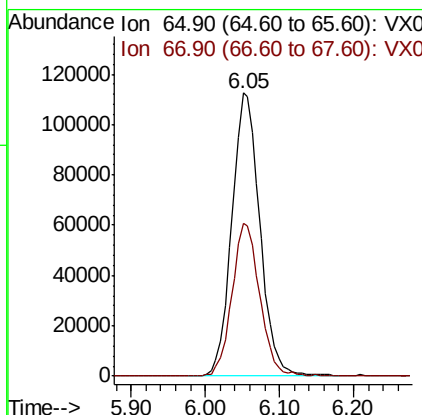
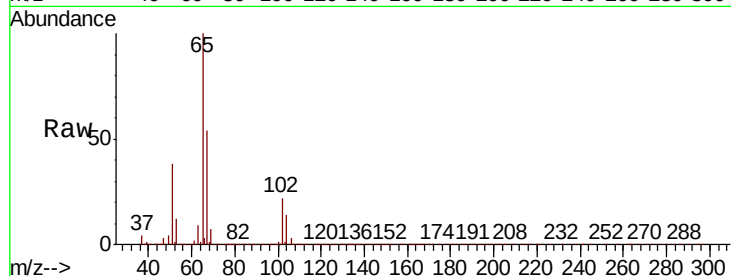




#33
 1,2-Dichloroethane-d4
 Concen: 47.679 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

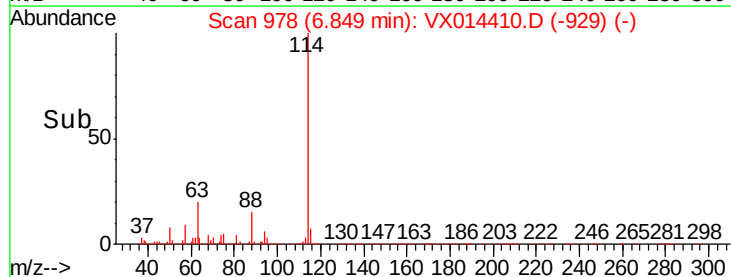
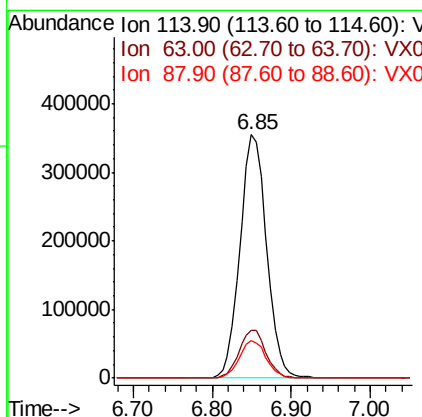
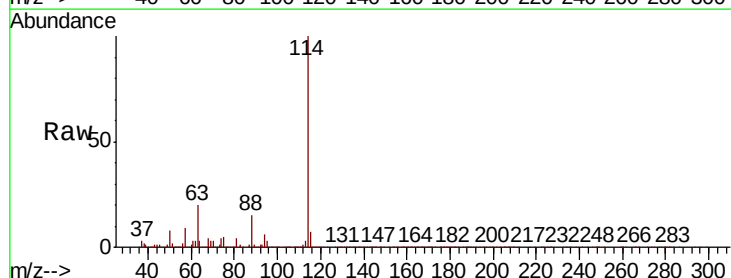
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-02-010220

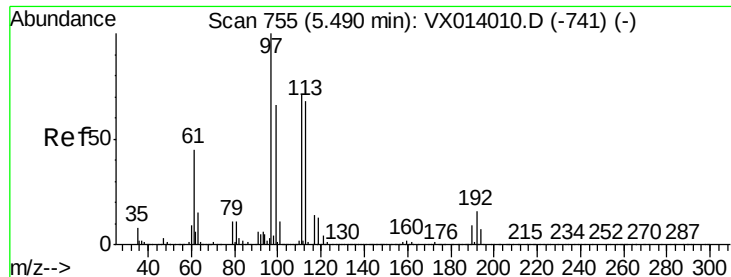
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	15.4	0.0	30.4

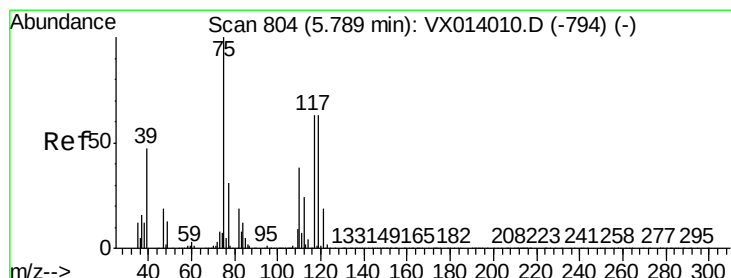
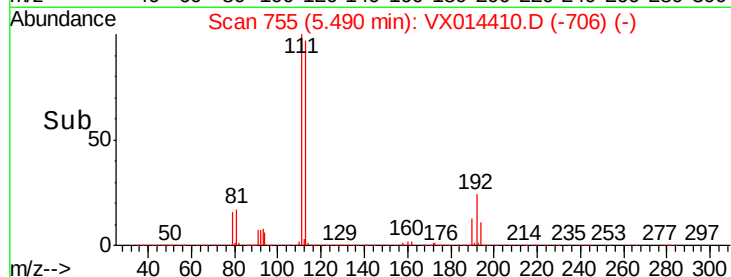
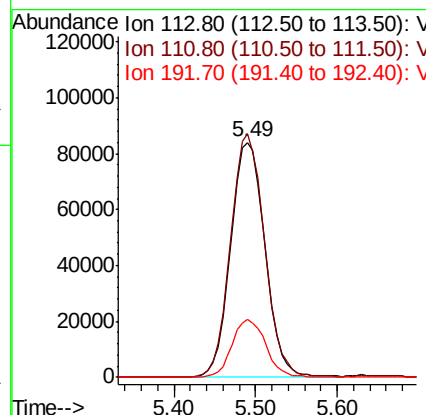
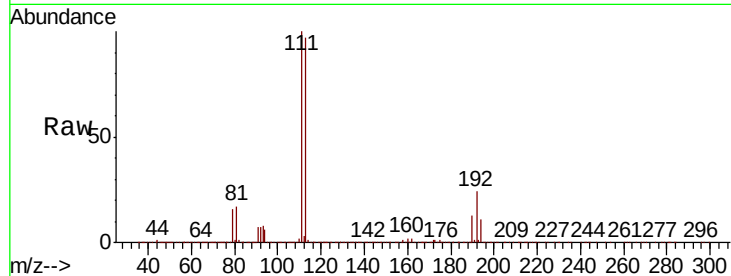




#35
 Dibromofluoromethane
 Concen: 48.126 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

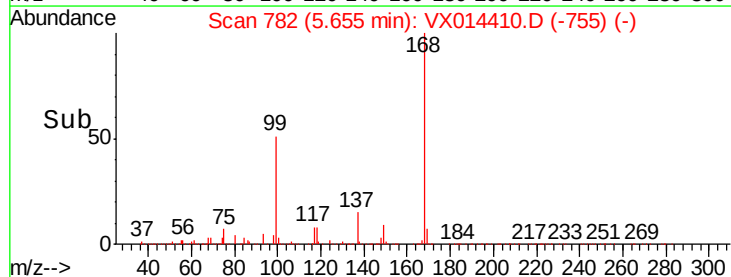
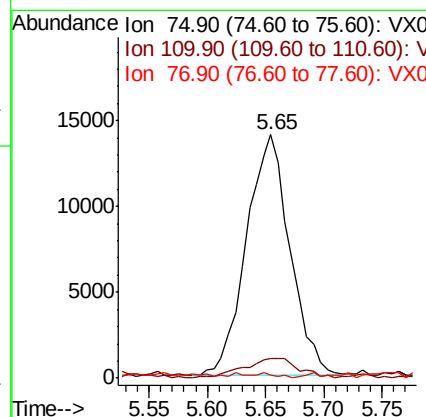
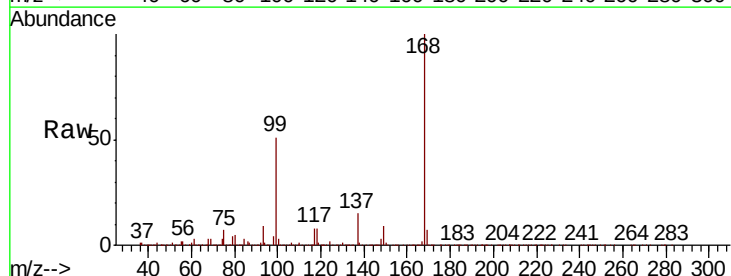
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-02-010220

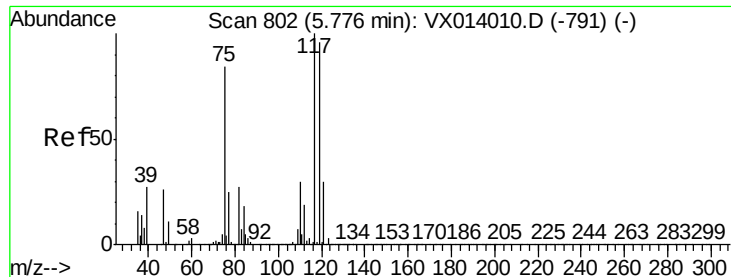
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	24.3	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.713 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.3	54.9#
77	1.1	24.8	37.2#

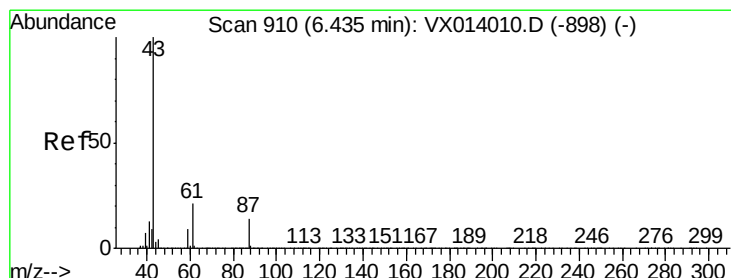
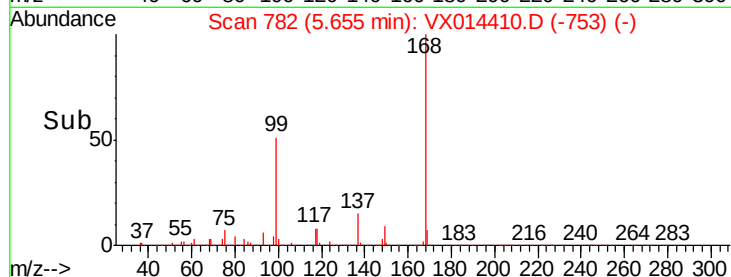
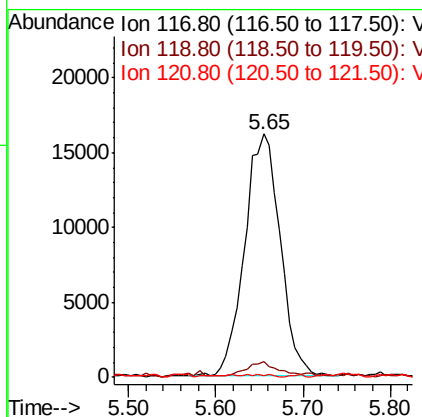
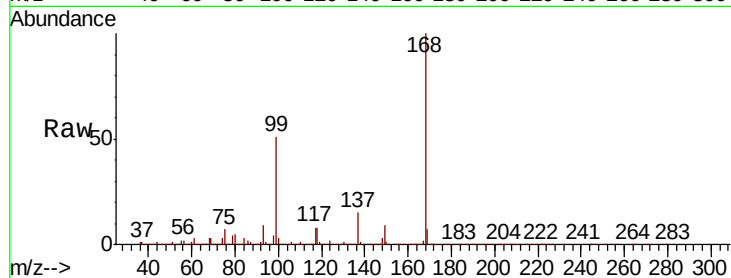




#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

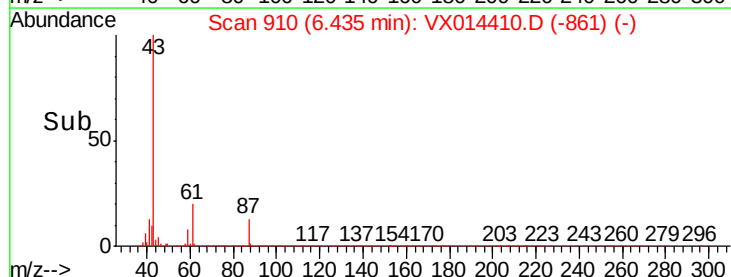
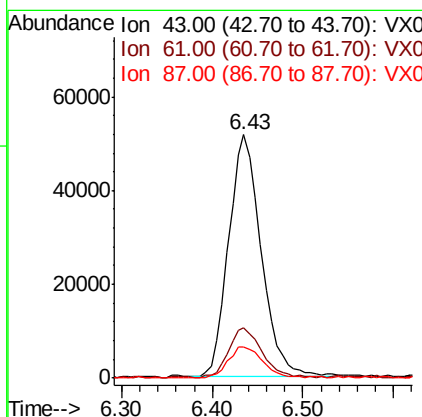
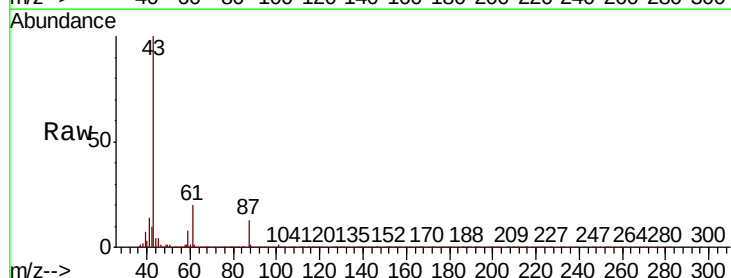
Instrument :
MSVOA_X
ClientSampleId :
CL-02-010220

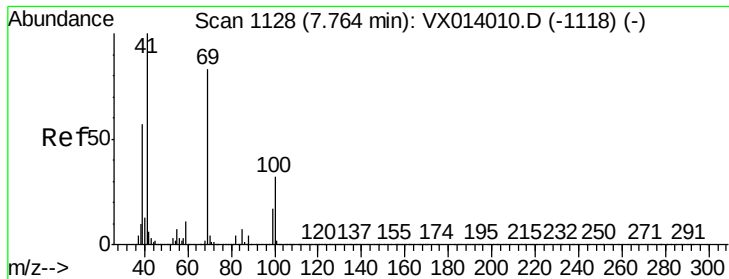
Tot Ion:117 Resp: 45845
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.4#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 9.224 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

Tgt Ion: 43 Resp: 129063
Ion Ratio Lower Upper
43 100
61 20.5 16.4 24.6
87 13.3 10.7 16.1

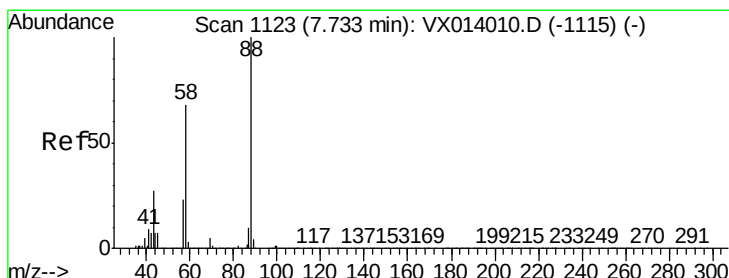
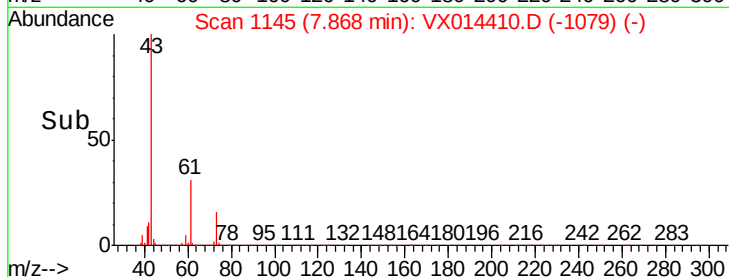
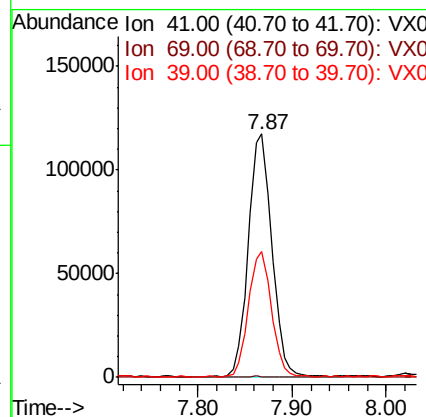
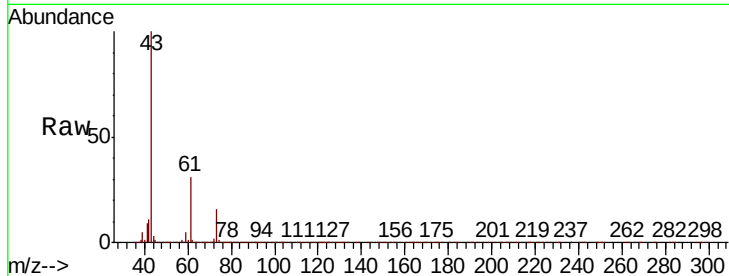




#48
Methvl methacrylate
Concen: 29.668 ug/l
RT: 7.87 min Scan# 1145
Delta R.T. 0.10 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

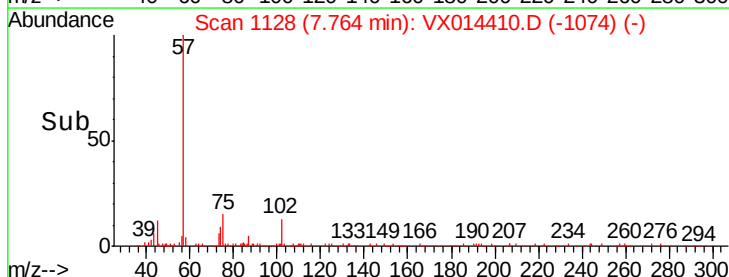
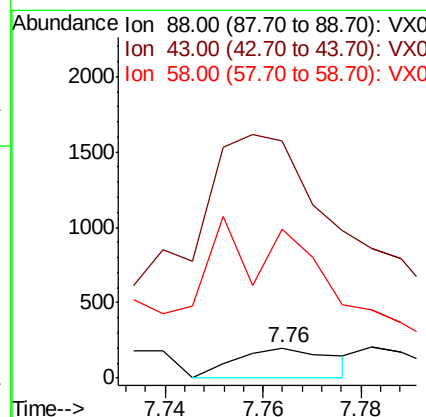
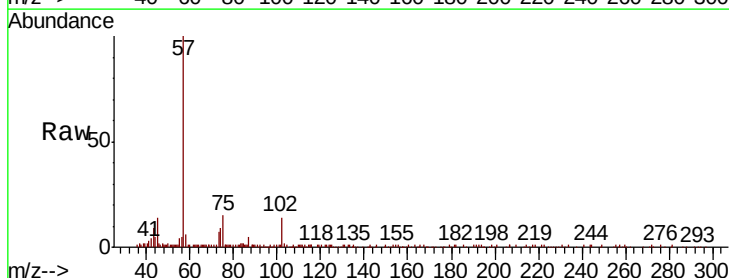
Instrument :
MSVOA_X
ClientSampleId :
CL-02-010220

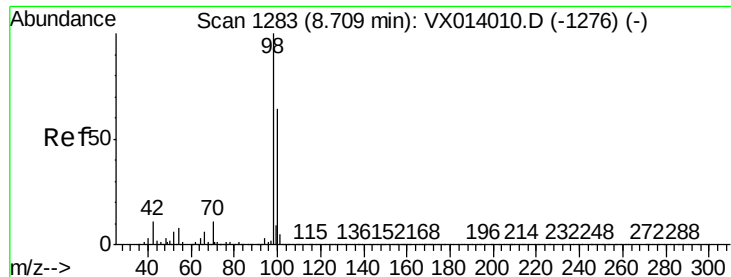
Tot Ion: 41 Resp: 203286
Ion Ratio Lower Upper
41 100
69 0.4 65.8 98.6#
39 50.4 44.6 67.0



#49
1,4-Dioxane
Concen: 2.015 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.03 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

Tgt Ion: 88 Resp: 281
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 478.3 56.8 85.2#





#50

Toluene-d8

Concen: 49.740 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

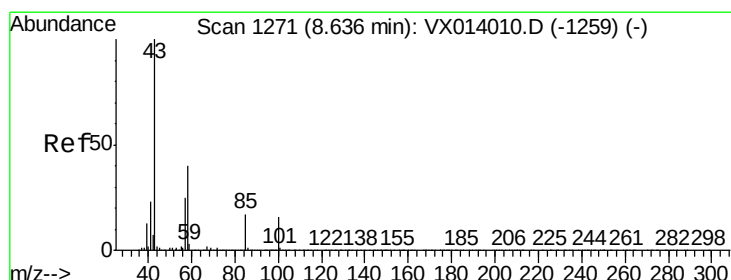
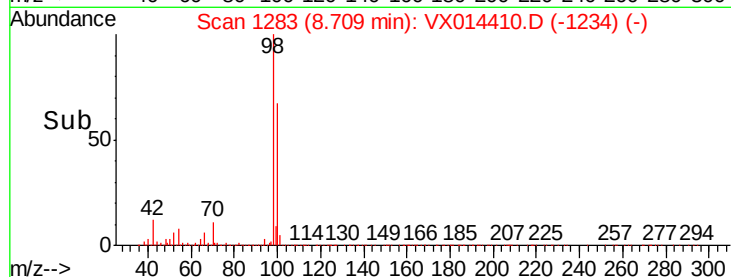
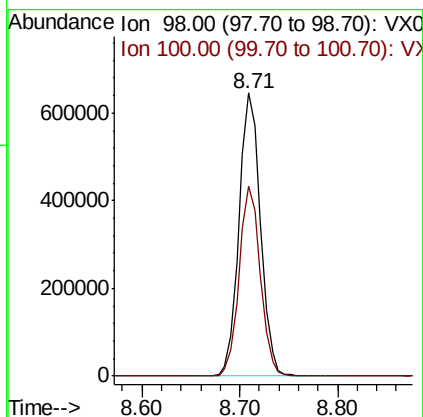
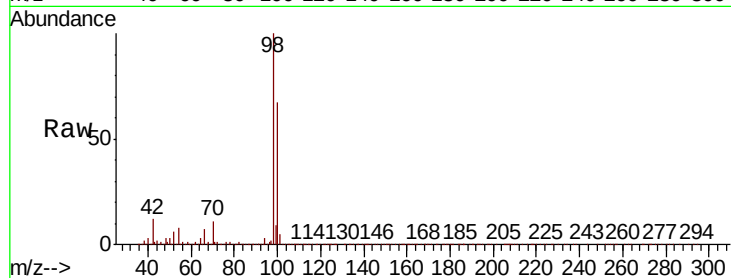
CL-02-010220

Tot Ion: 98 Resp: 982317

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 13.900 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014410.D

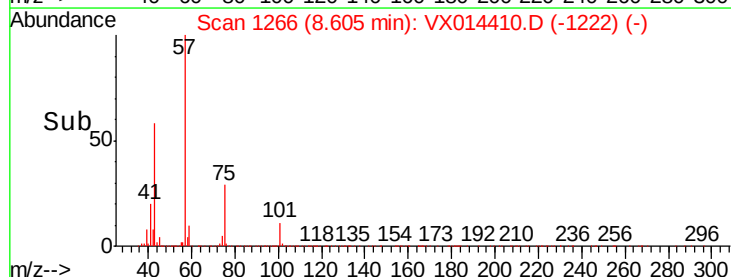
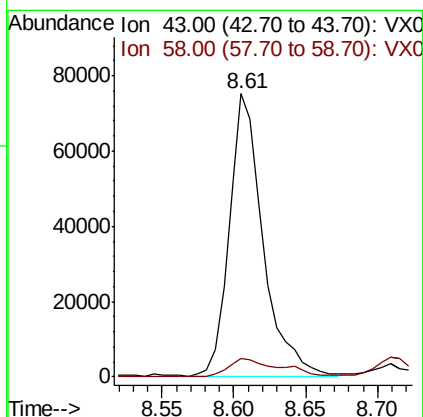
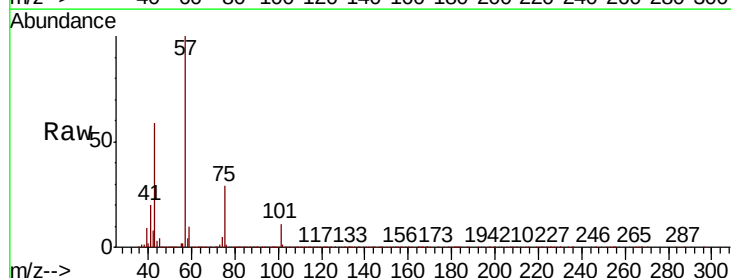
Acq: 03 Jan 2020 18:57

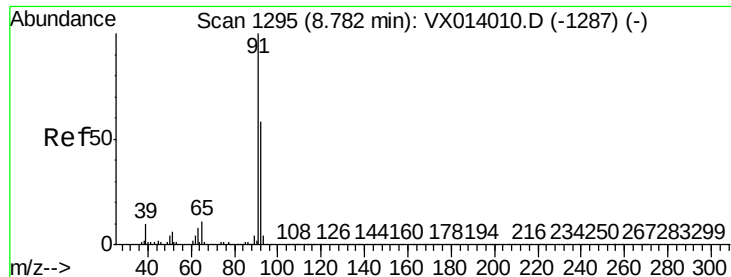
Tgt Ion: 43 Resp: 122153

Ion Ratio Lower Upper

43 100

58 9.5 32.2 48.2#





#52

Toluene

Concen: 0.486 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

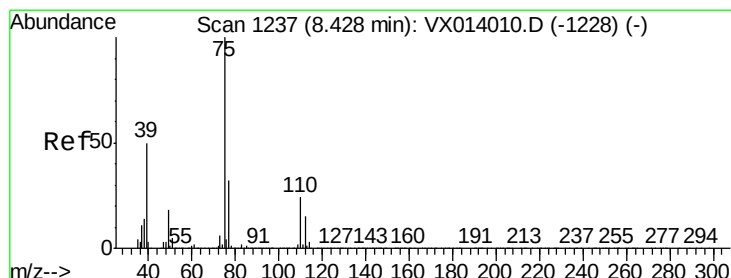
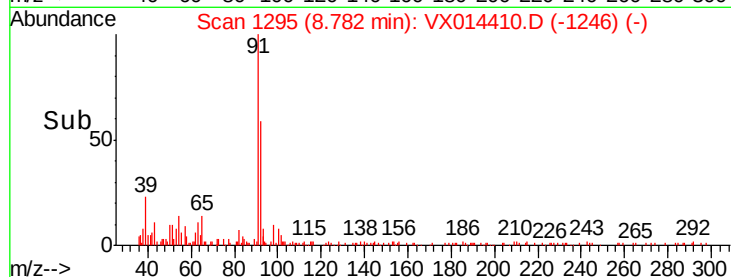
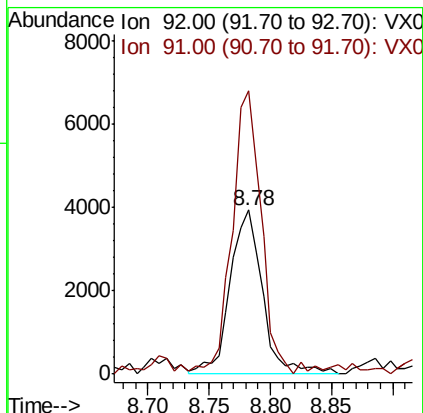
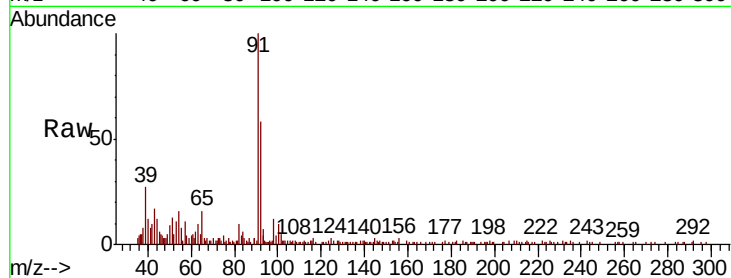
CL-02-010220

Tot Ion: 92 Resp: 7238

Ion Ratio Lower Upper

92 100

91 153.4 136.2 204.4



#54

cis-1,3-Dichloropropene

Concen: 6.252 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

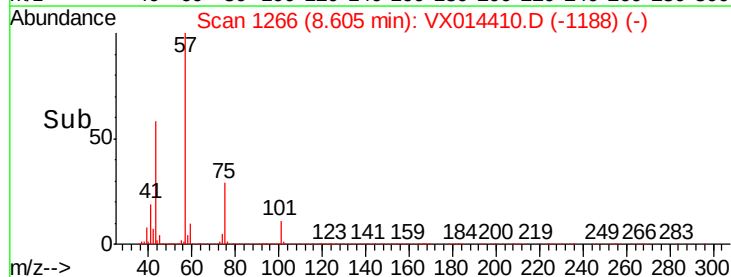
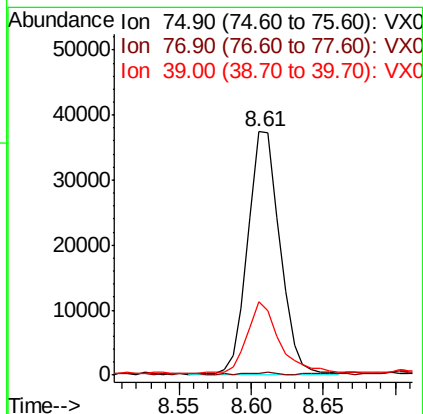
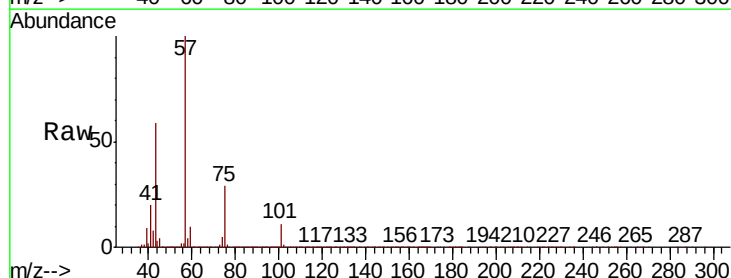
Tgt Ion: 75 Resp: 57421

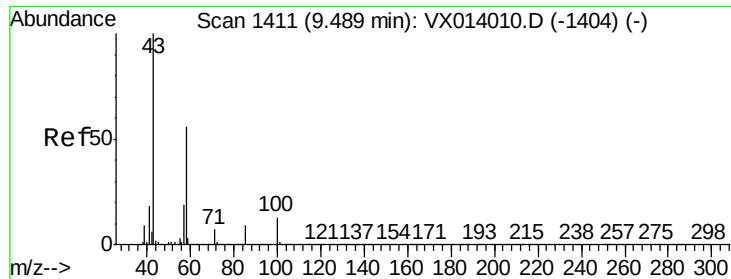
Ion Ratio Lower Upper

75 100

77 0.3 25.3 37.9#

39 29.4 39.9 59.9#

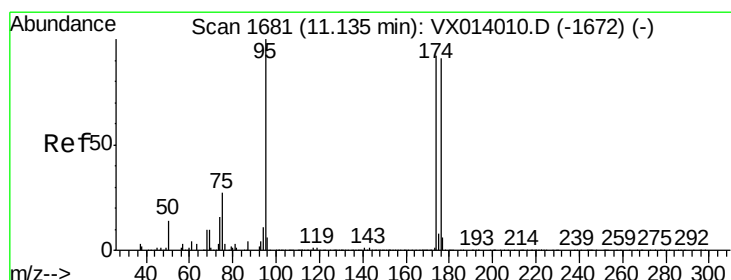
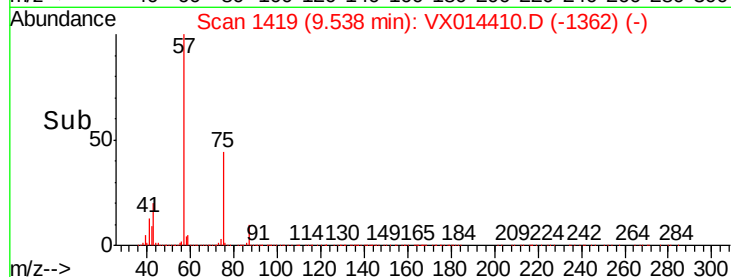
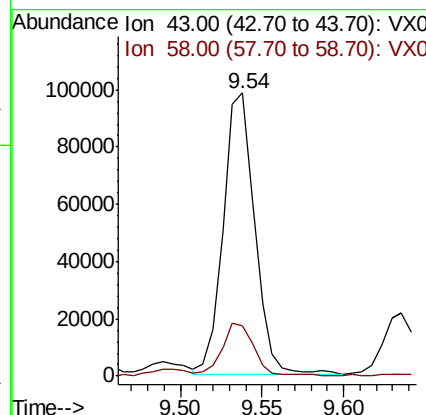
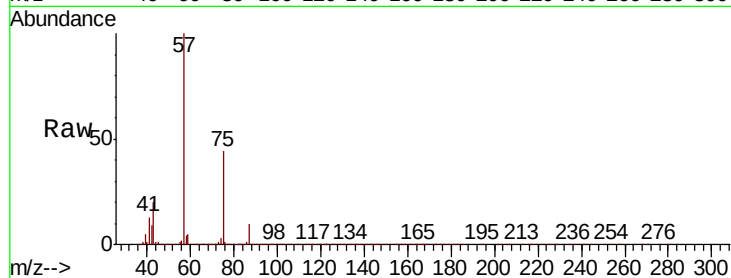




#59
2-Hexanone
Concen: 18.560 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

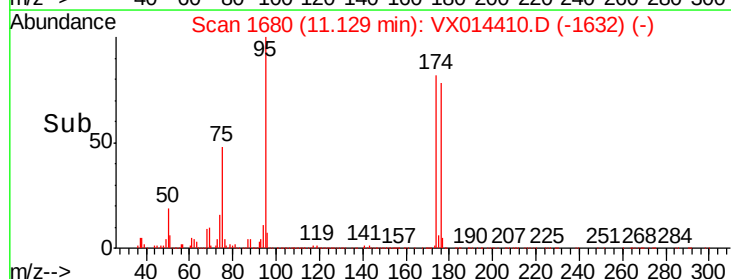
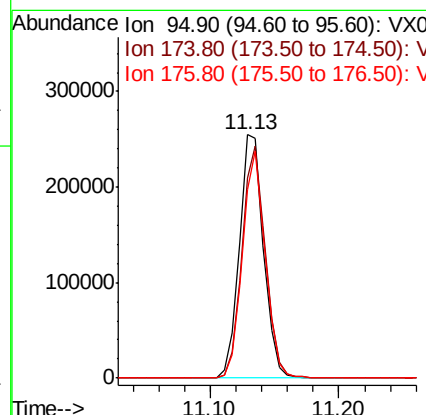
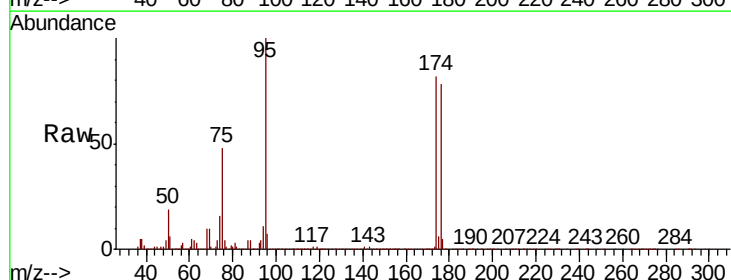
Instrument :
MSVOA_X
ClientSampled :
CL-02-010220

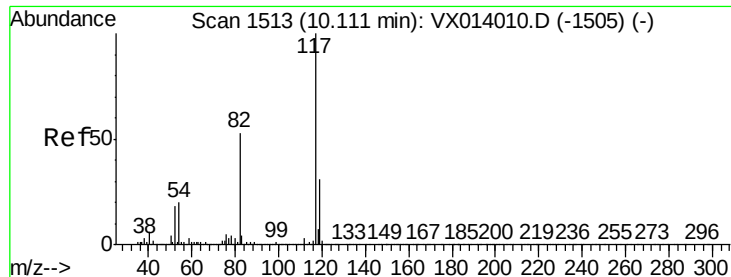
Tot Ion: 43 Resp: 131300
Ion Ratio Lower Upper
43 100
58 19.0 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 46.164 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

Tgt Ion: 95 Resp: 333262
Ion Ratio Lower Upper
95 100
174 91.6 0.0 175.8
176 88.2 0.0 173.0

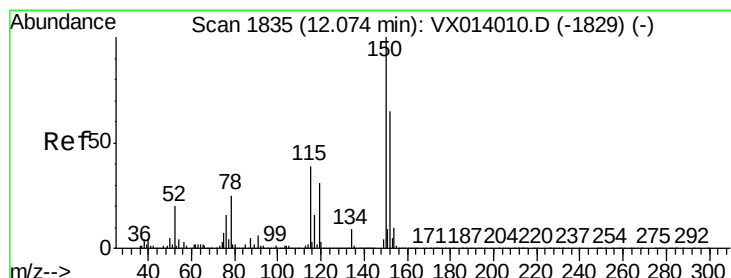
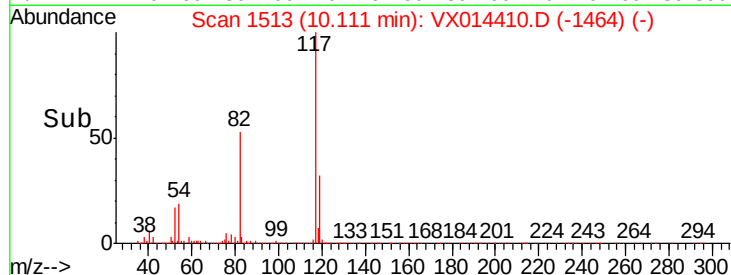
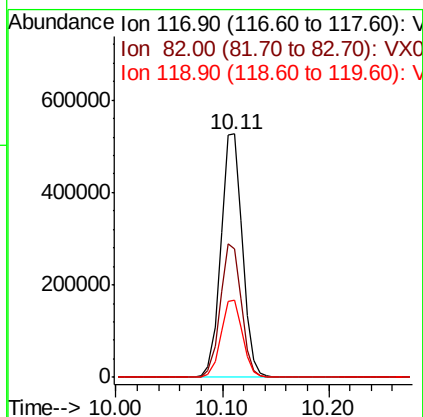
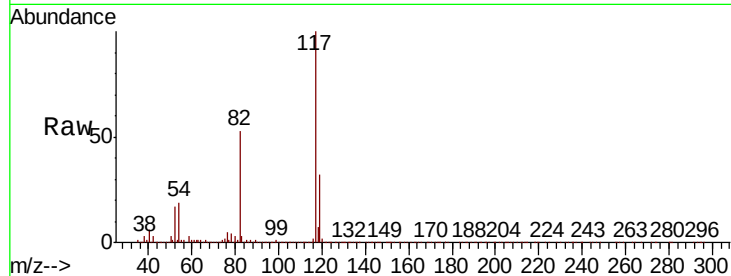




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

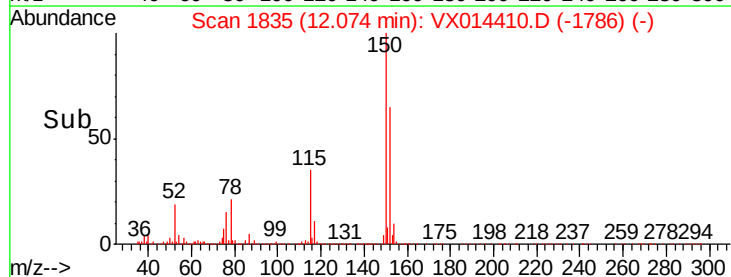
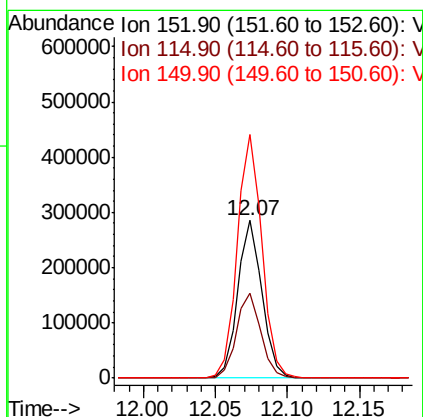
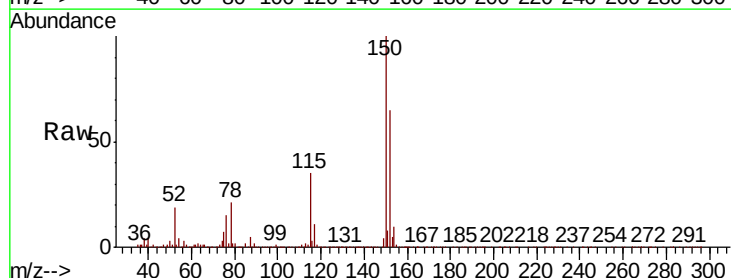
Instrument :
MSVOA_X
ClientSampleId :
CL-02-010220

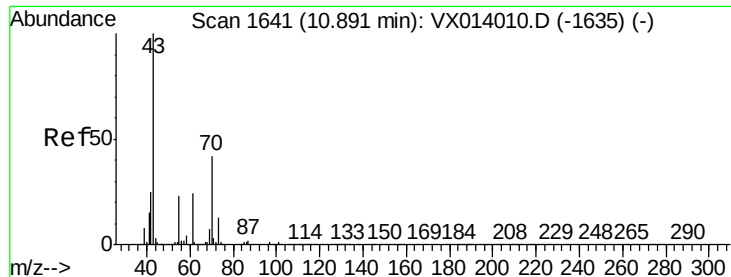
Tot Ion:117 Resp: 743463
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

Tgt Ion:152 Resp: 332003
Ion Ratio Lower Upper
152 100
115 54.9 38.3 114.9
150 158.2 0.0 345.4





#74

N-amvl acetate

Concen: 0.667 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

CL-02-010220

Tot Ion: 43 Resp: 7305

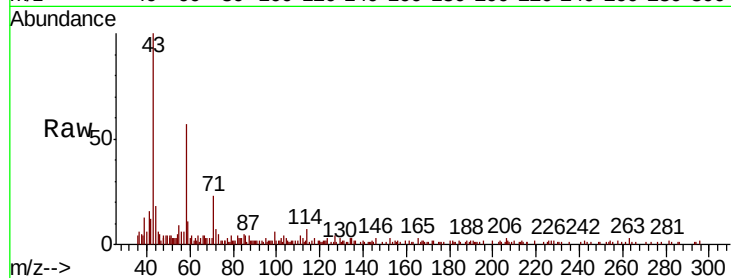
Ion Ratio Lower Upper

43 100

70 4.0 34.4 51.6#

55 5.0 19.1 28.7#

61 0.0 19.7 29.5#

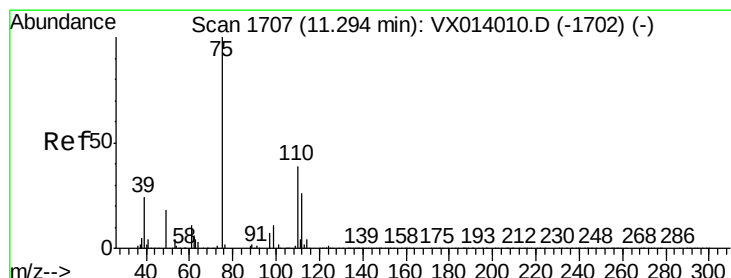
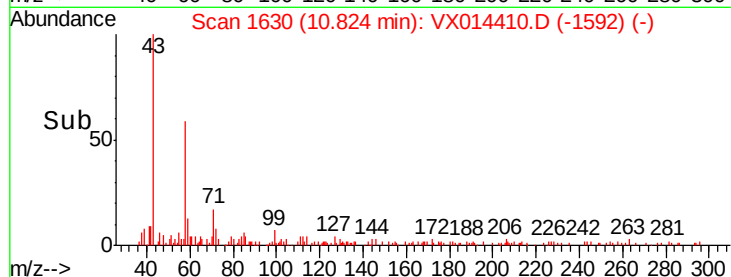
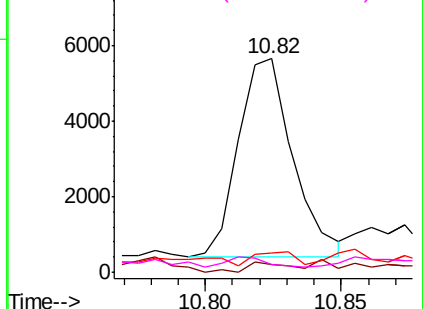


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.307 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014410.D

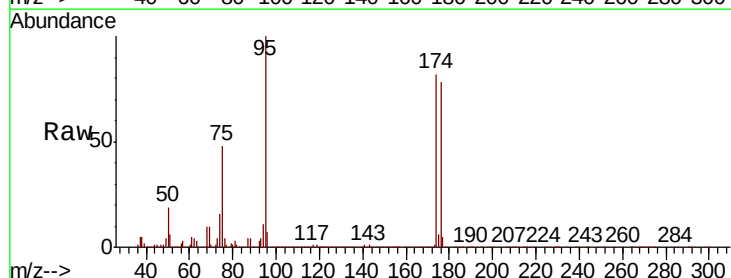
Acq: 03 Jan 2020 18:57

Tgt Ion: 75 Resp: 160780

Ion Ratio Lower Upper

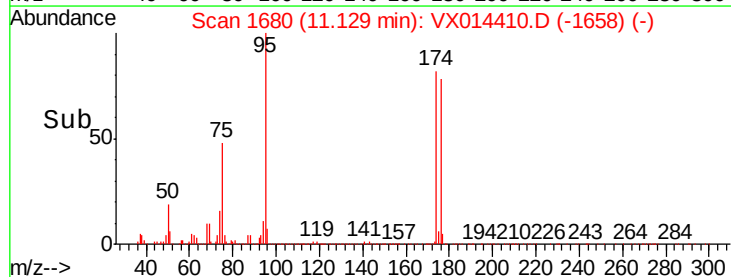
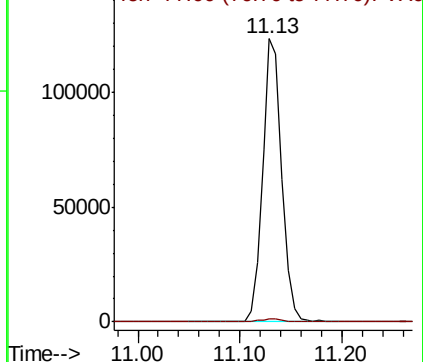
75 100

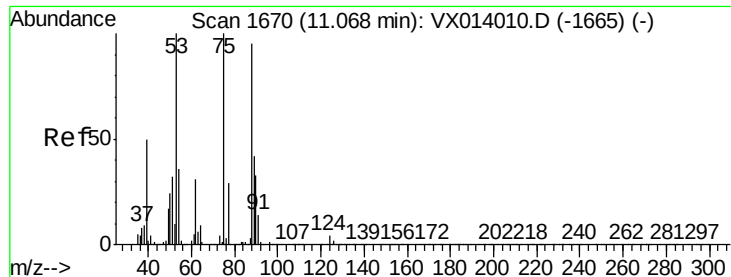
77 1.3 19.3 57.8#



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: 62.961 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

CL-02-010220

Tot Ion: 75 Resp: 160780

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 34.6 51.8#

