

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 :

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%	

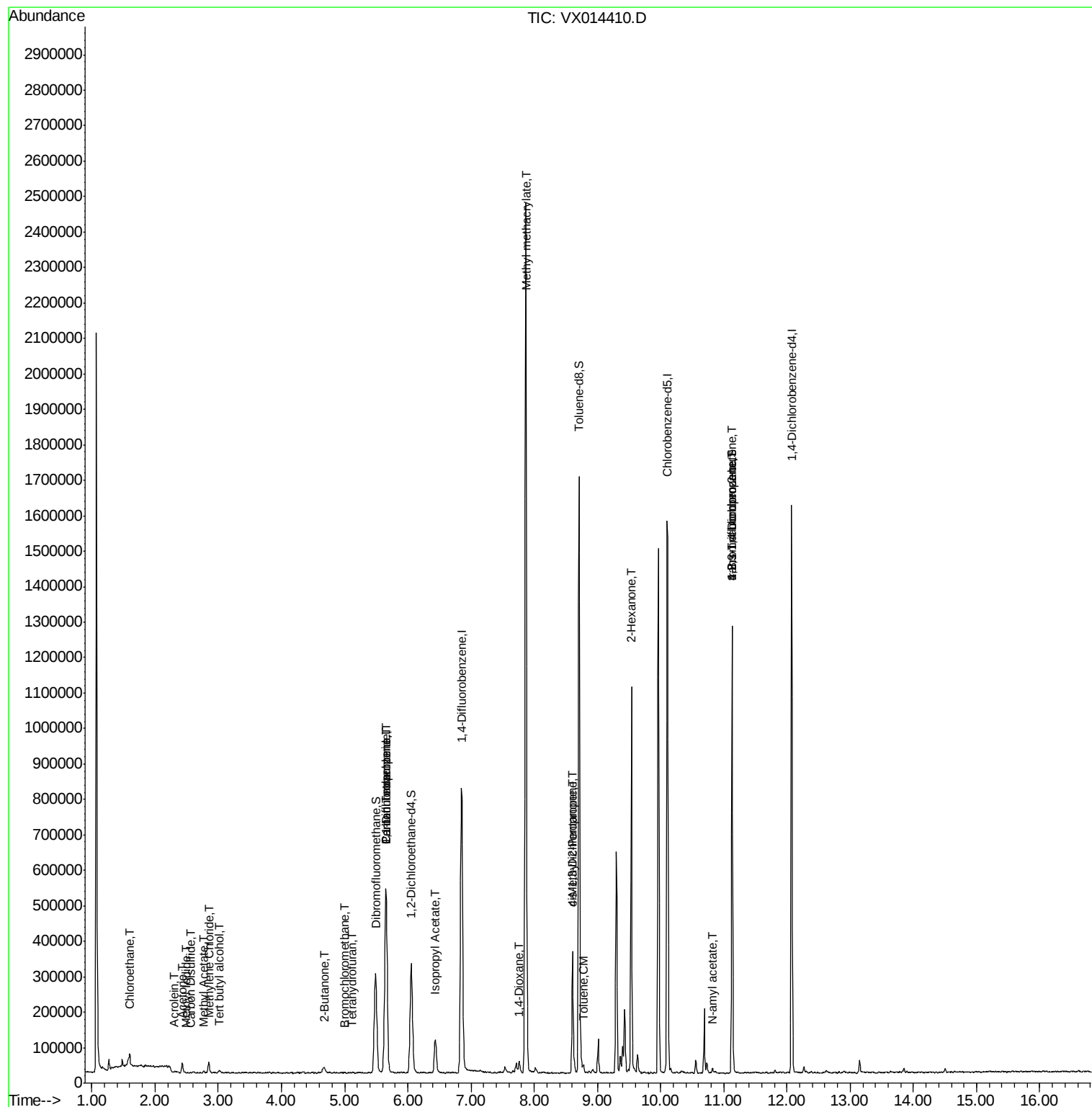
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	2019	0.469	ug/l #	51
10) Methyl Iodide	2.50	142	278	2.659	ug/l #	8
11) Tert butyl alcohol	3.02	59	8449	6.269	ug/l #	72
13) Acrolein	2.30	56	596	0.773	ug/l #	32
16) Acetone	2.43	43	29296	7.235	ug/l	98
17) Carbon Disulfide	2.57	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

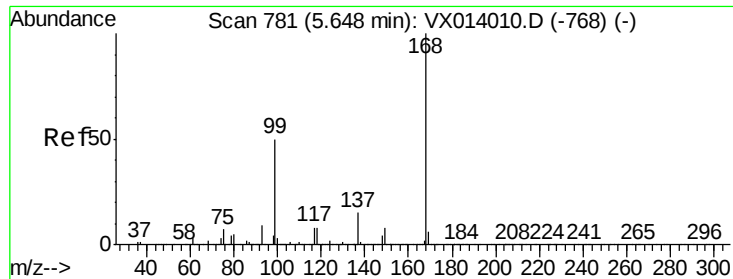
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010320\
Data File : VX014410.D
Acq On : 03 Jan 2020 18:57
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Sample : L1008-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 06 02:35:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA_X

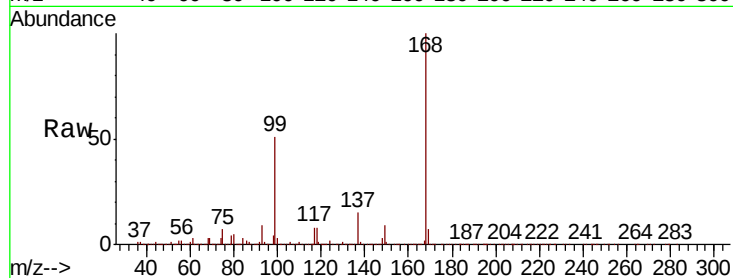
ClientSampleId :

Tot Ion:168 Resp: 550346

Ion Ratio Lower Upper

168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

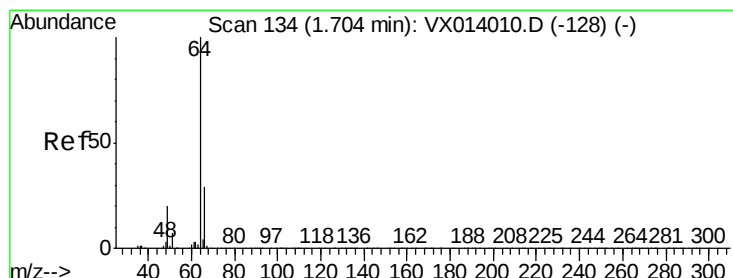
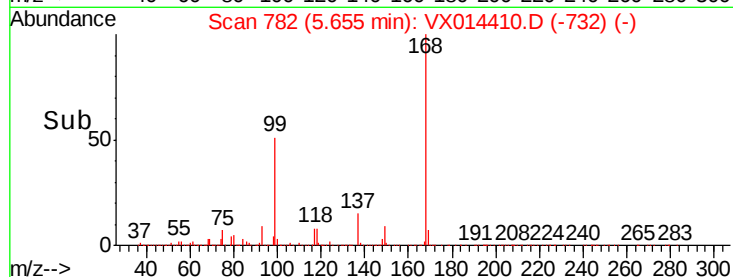
5.65

5.60

5.70

5.80

Time-->



#6

Chloroethane

Concen: 0.469 ug/l

RT: 1.59 min Scan# 115

Delta R.T. -0.12 min

Lab File: VX014410.D

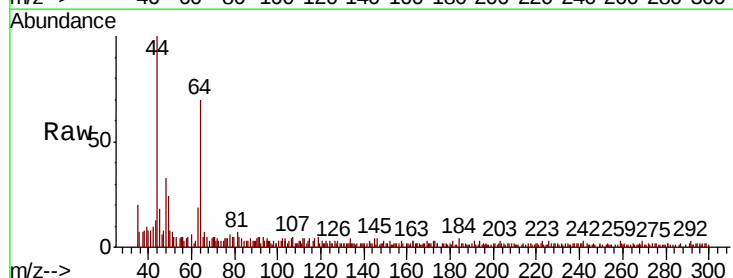
Acq: 03 Jan 2020 18:57

Tgt Ion: 64 Resp: 2019

Ion Ratio Lower Upper

64 100

66 2.8 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

3000

2000

1000

0

1.59

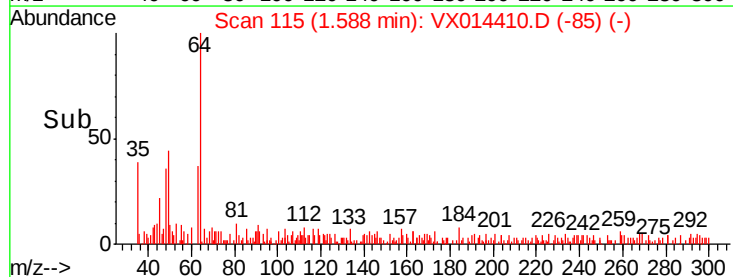
1.54

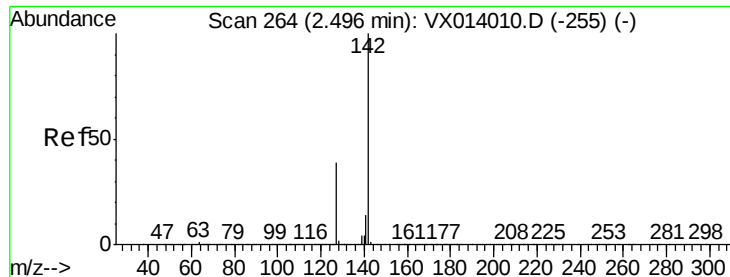
1.56

1.58

1.60

Time-->

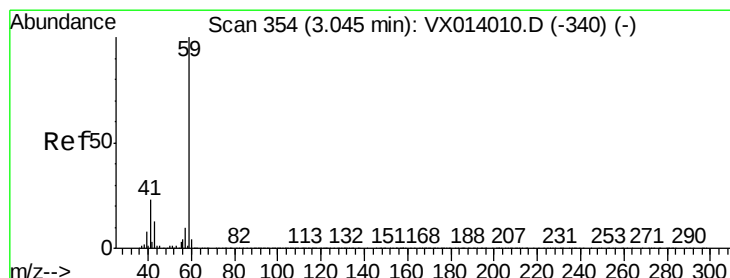
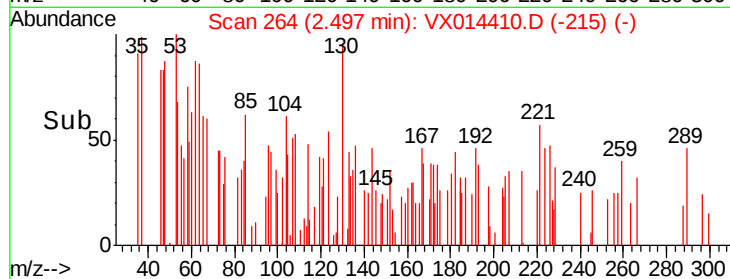
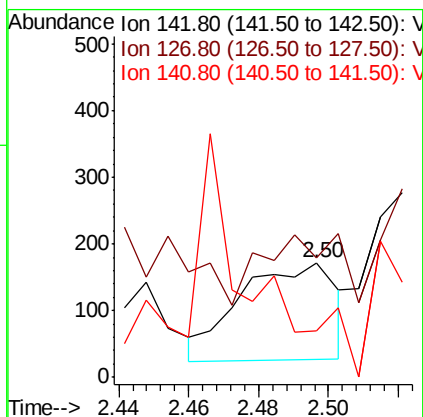
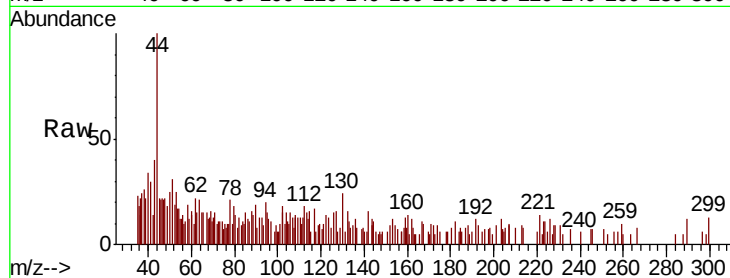




#10
Methvl Iodide
Concen: 2.659 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

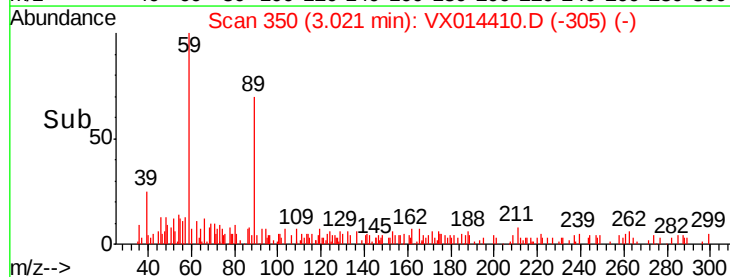
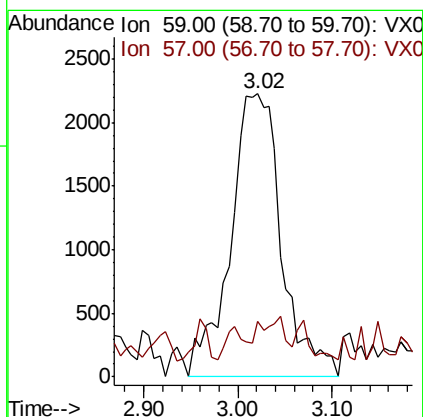
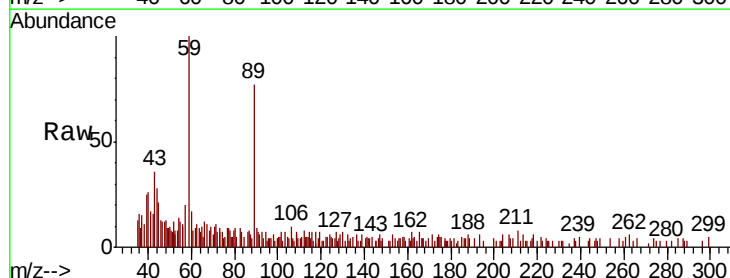
Instrument :
MSVOA_X
ClientSampled :

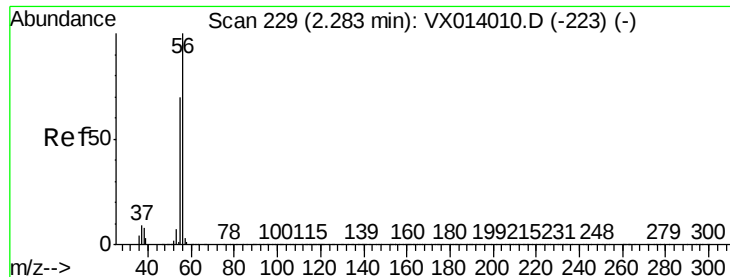
Tot Ion:142 Resp: 278
Ion Ratio Lower Upper
142 100
127 109.0 31.6 47.4#
141 0.0 11.6 17.4#



#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#

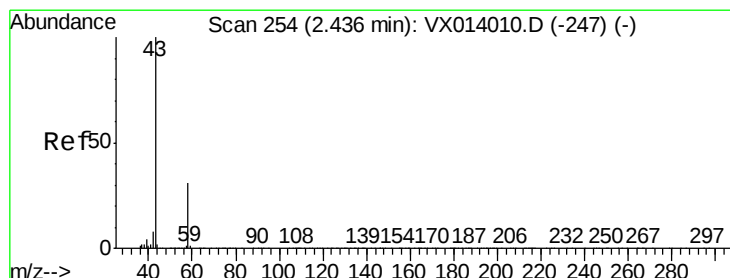
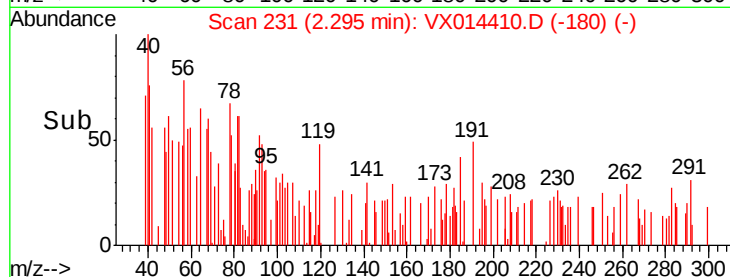
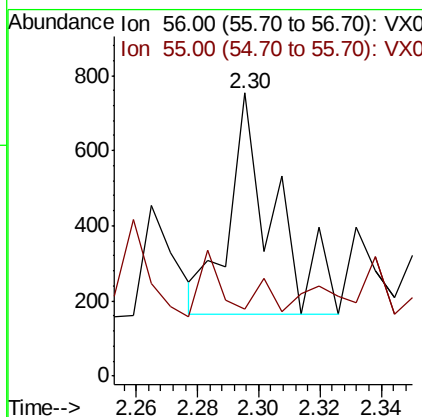
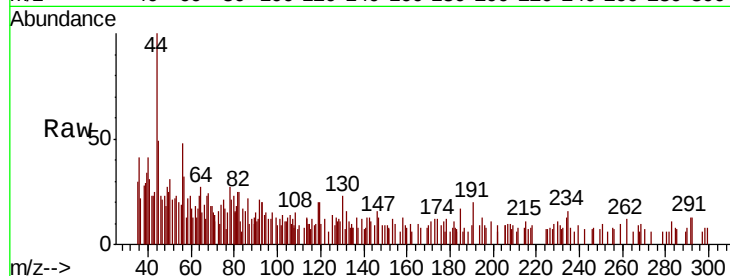




#13
Acrolein
Concen: 0.773 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

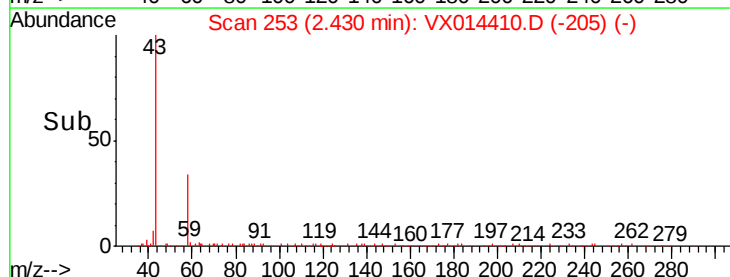
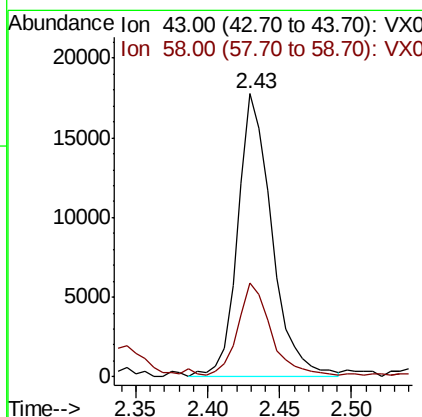
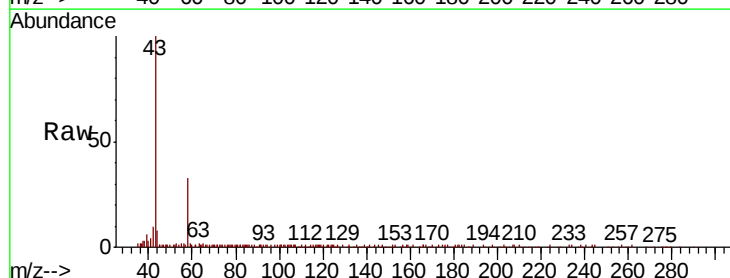
Instrument :
MSVOA_X
ClientSampleId :

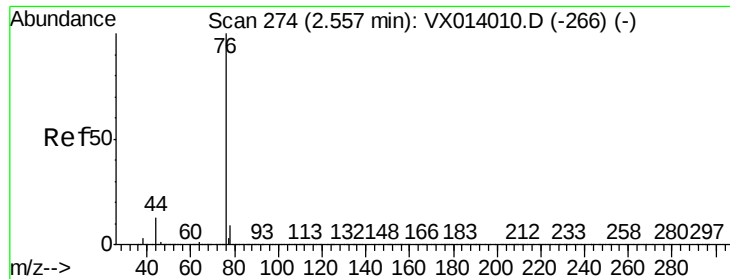
Tot Ion: 56 Resp: 596
Ion Ratio Lower Upper
56 100
55 14.9 56.9 85.3#



#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

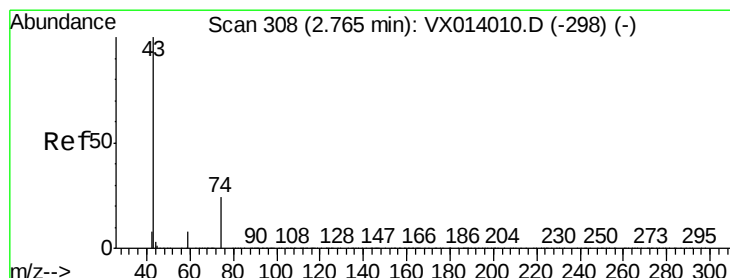
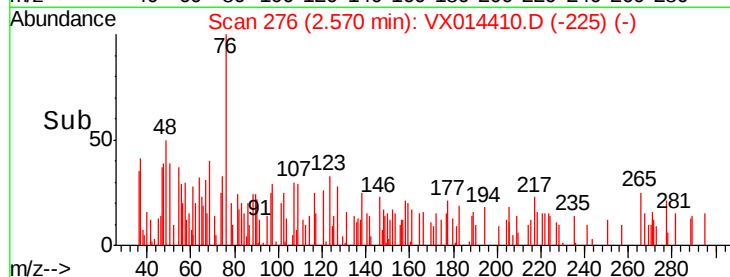
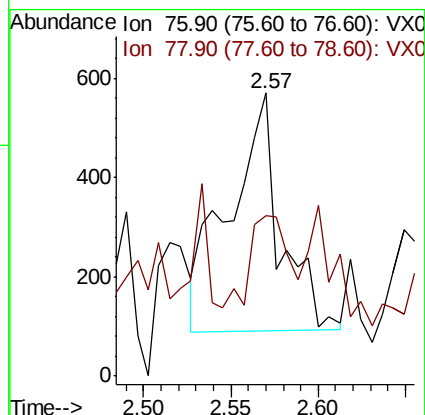
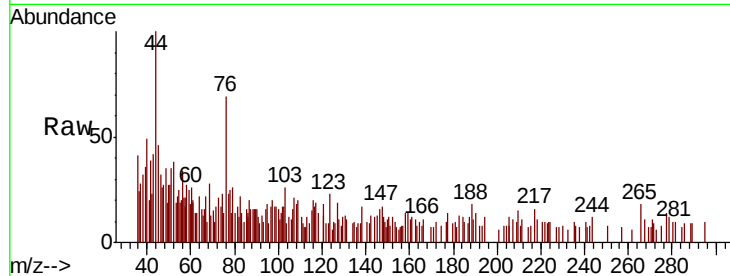
ClientSampled :

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

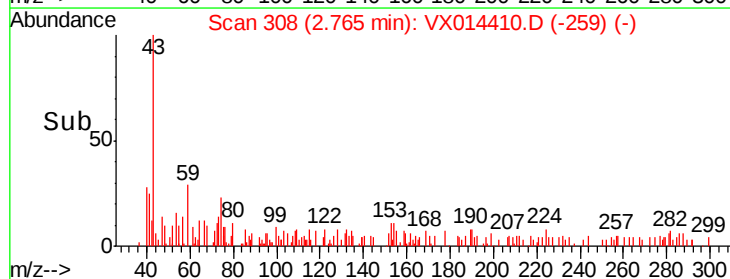
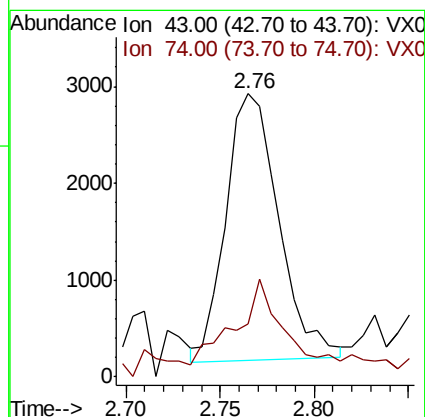
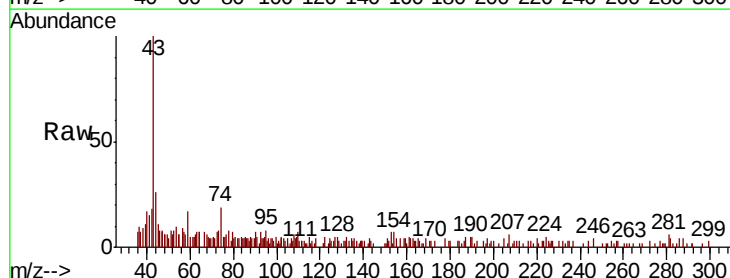
Acq: 03 Jan 2020 18:57

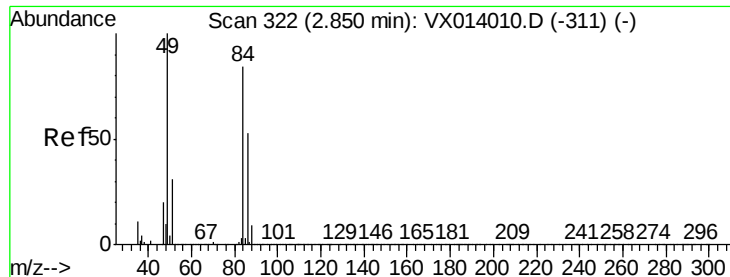
Tgt Ion: 43 Resp: 5375

Ion Ratio Lower Upper

43 100

74 30.4 19.5 29.3#

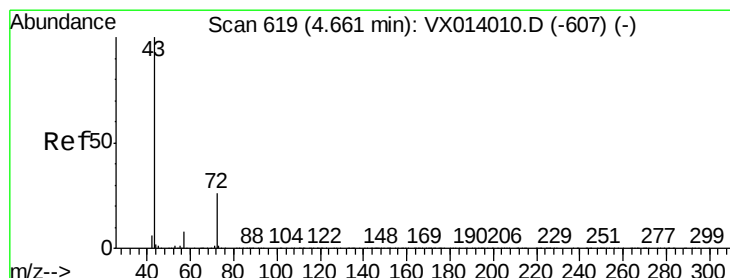
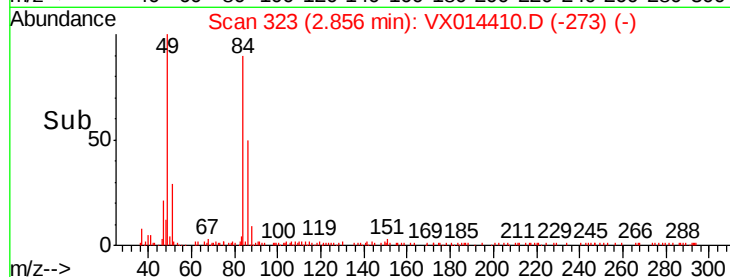
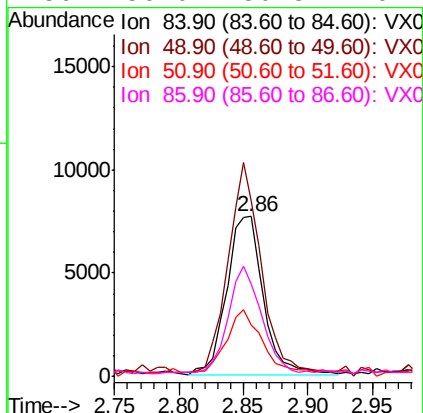
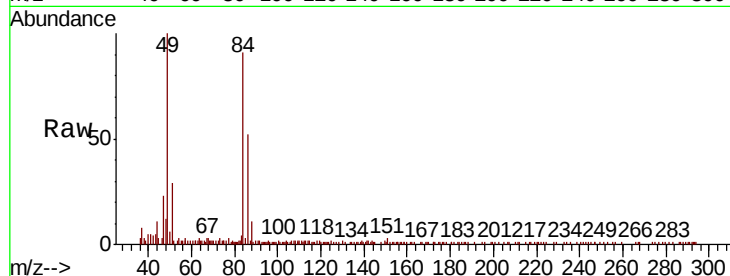




#20
Methvlene Chloride
Concen: 2.398 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

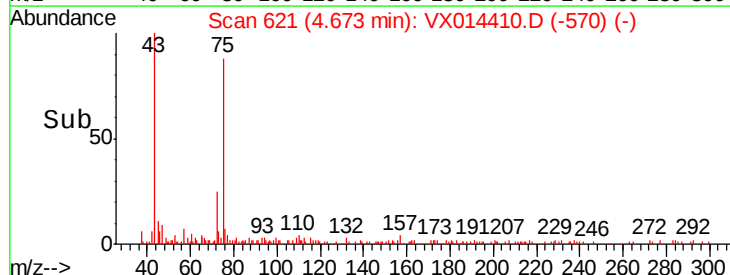
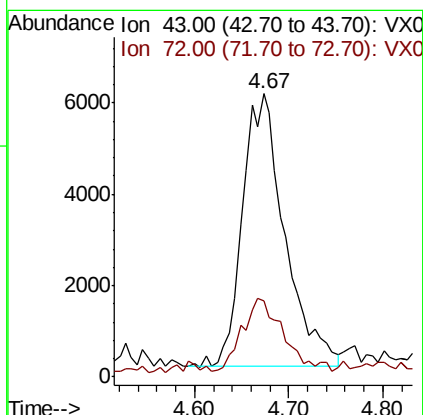
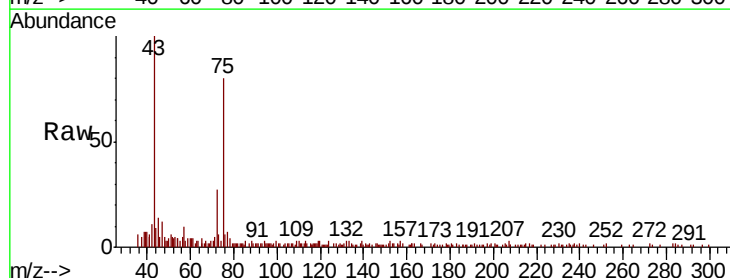
Instrument :
MSVOA_X
ClientSampleId :

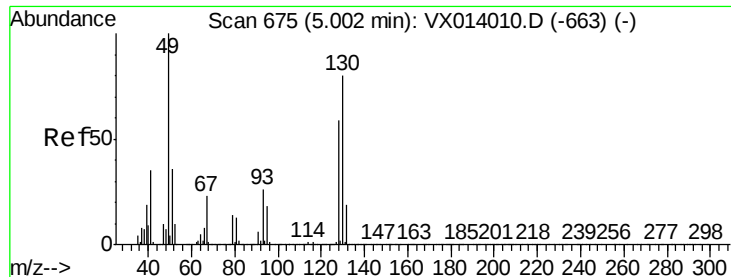
Tot Ion:	84	Resp:	15290
Ion	Ratio	Lower	Upper
84	100		
49	108.8	95.8	143.6
51	30.0	29.8	44.8
86	56.0	50.8	76.2



#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

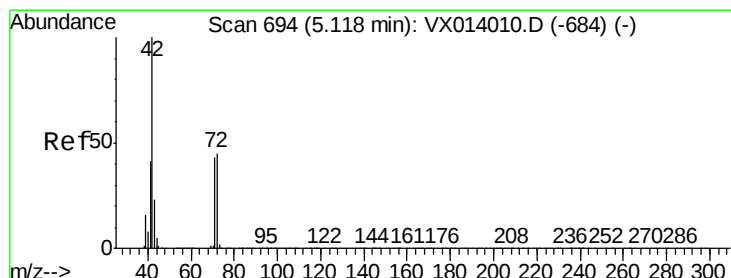
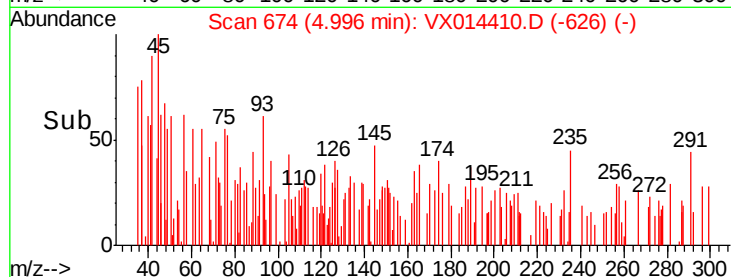
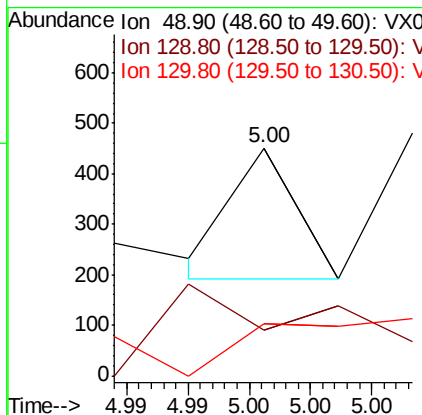
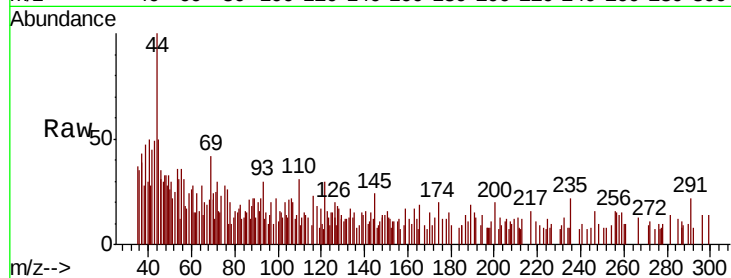
Delta R.T. -0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :
MSVOA_X
ClientSampled :

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

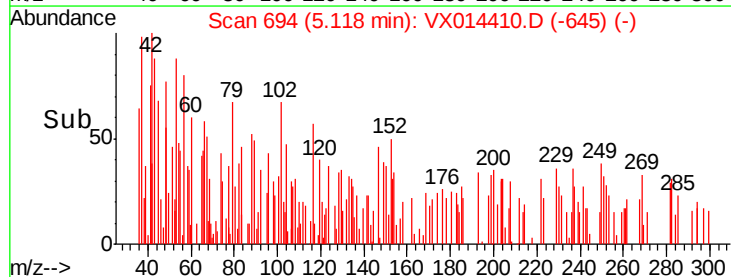
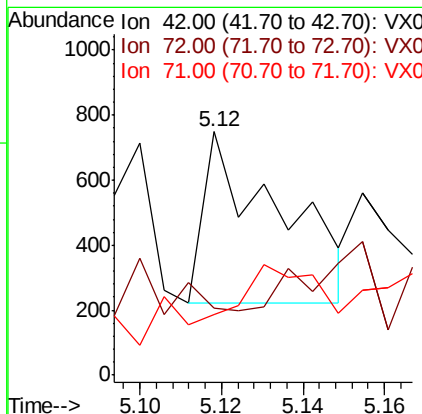
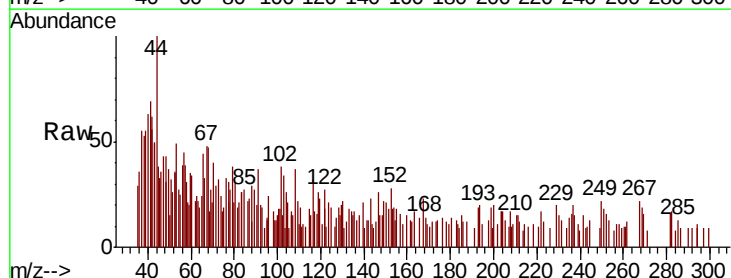
RT: 5.12 min Scan# 694

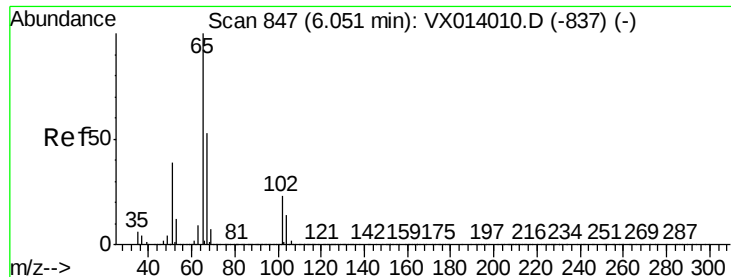
Delta R.T. 0.00 min

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

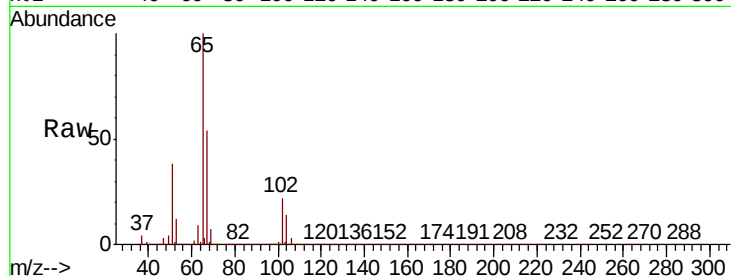
ClientSampleId :

Tot Ion: 65 Resp: 297395

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

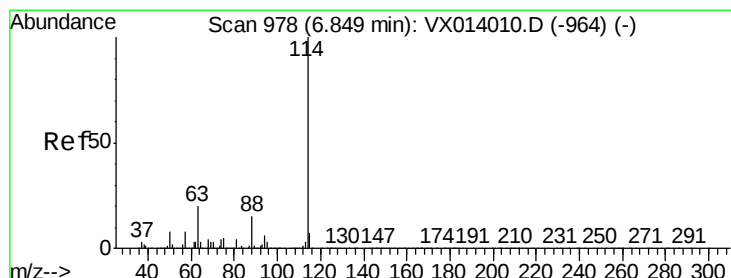
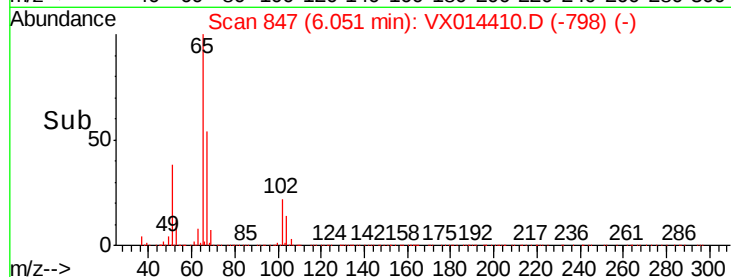
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#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

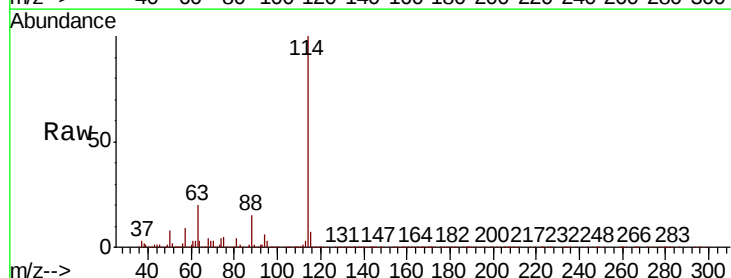
Tgt Ion: 114 Resp: 834467

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

400000

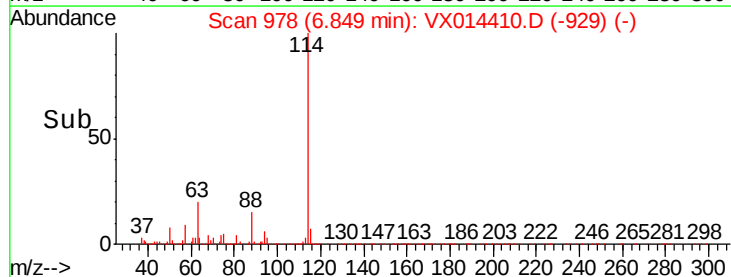
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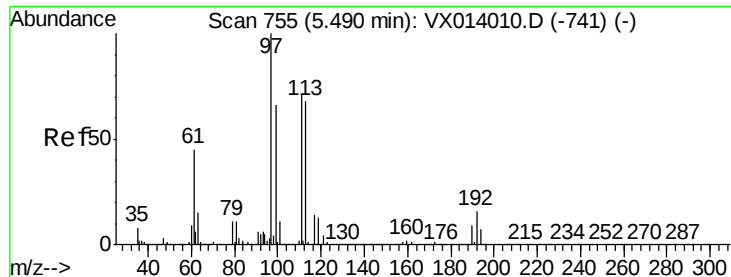
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

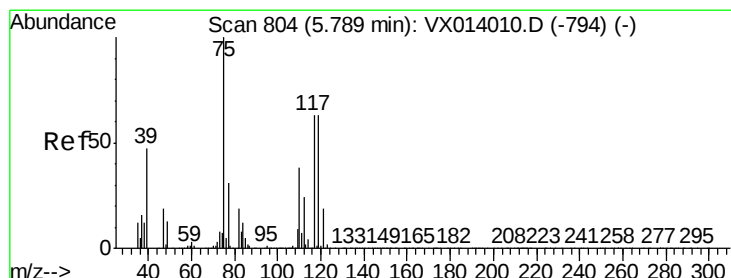
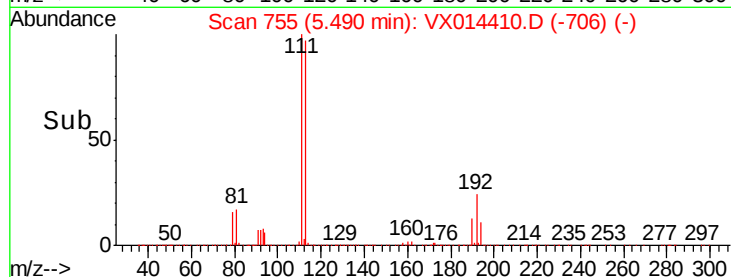
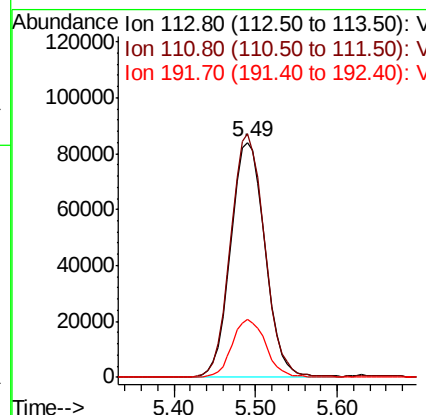
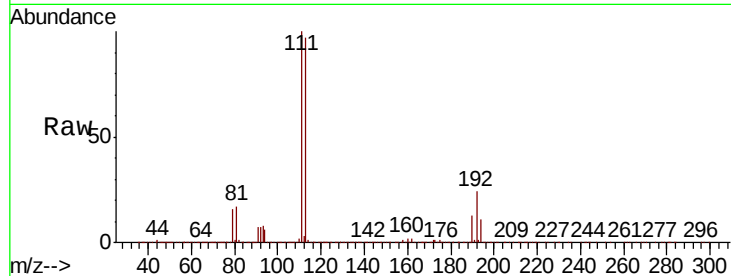




#35
 Dibromofluoromethane
 Concen: 48.126 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014410.D
 Acq: 03 Jan 2020 18:57

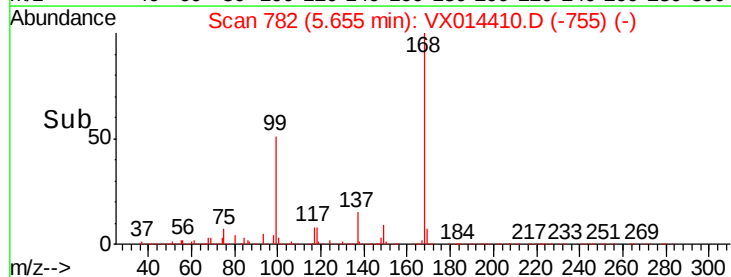
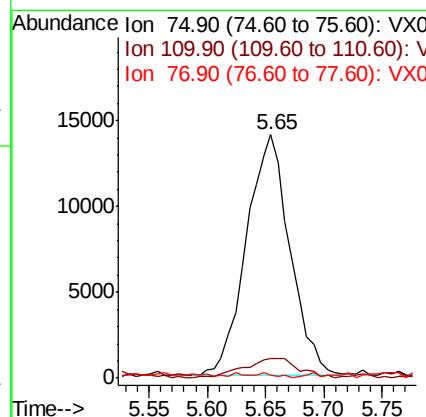
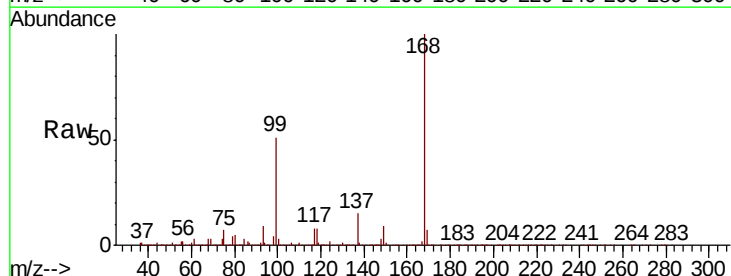
Instrument :
 MSVOA_X
 ClientSampled :

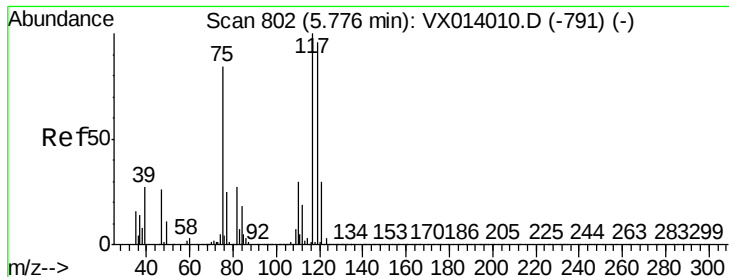
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	24.3	19.3	28.9



#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 :

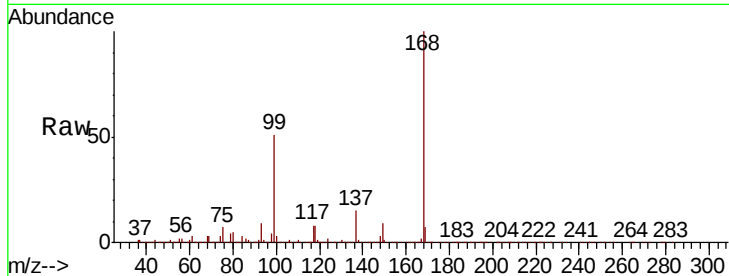
Tot Ion:117 Resp: 45845

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.4#

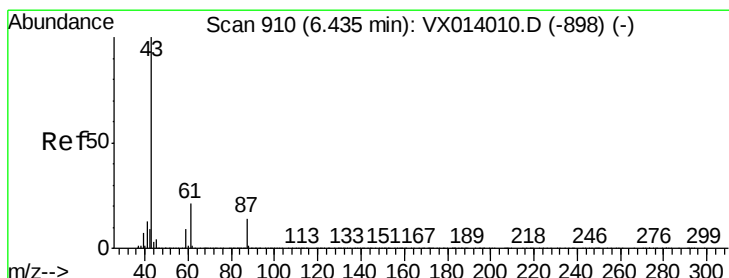
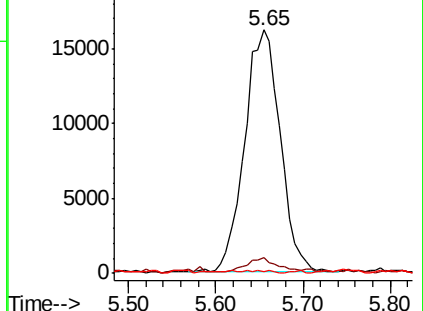
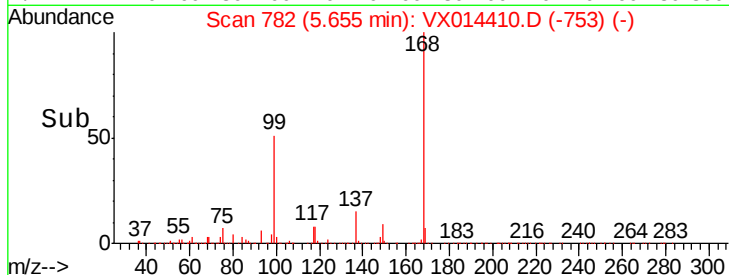
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#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

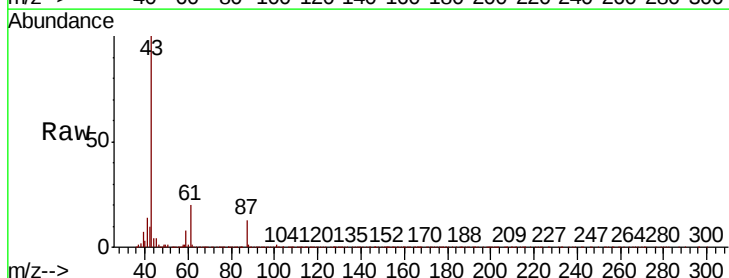
Tgt Ion: 43 Resp: 129063

Ion Ratio Lower Upper

43 100

61 20.5 16.4 24.6

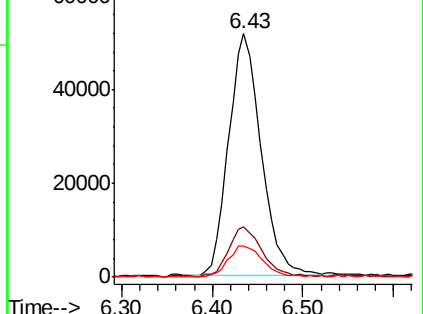
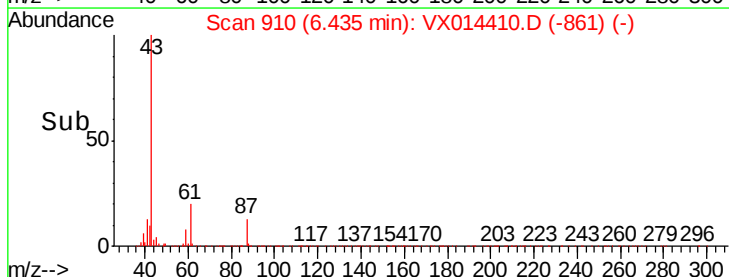
87 13.3 10.7 16.1

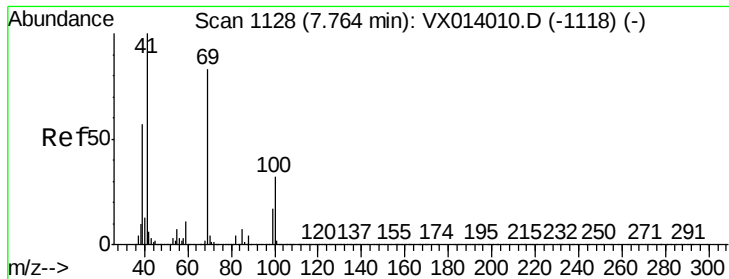


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 29.668 ug/l

RT: 7.87 min Scan# 1145

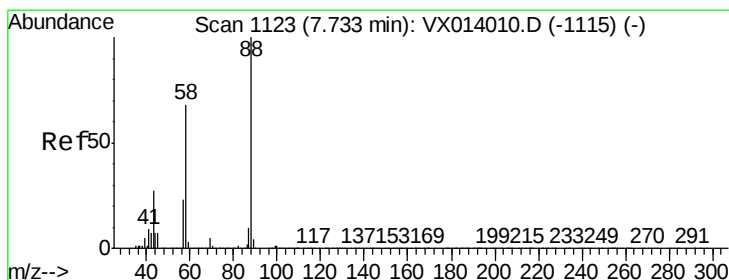
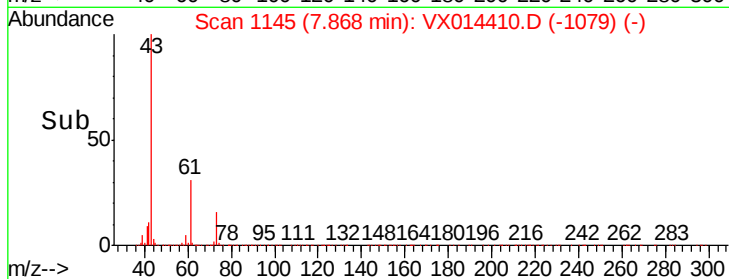
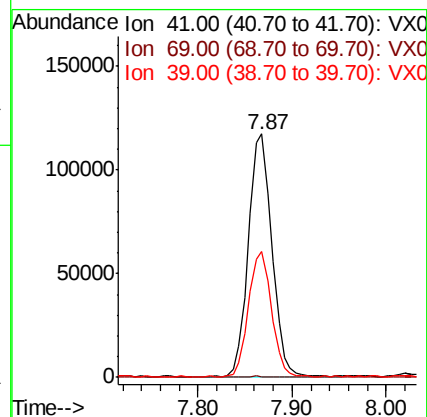
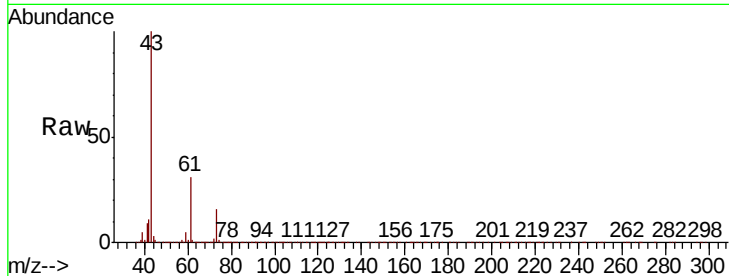
Delta R.T. 0.10 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :
MSVOA_X
ClientSampleId :

Tot 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

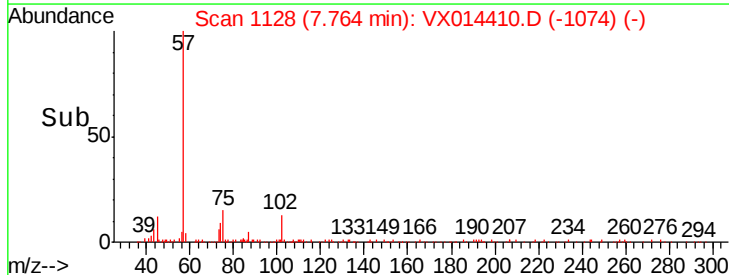
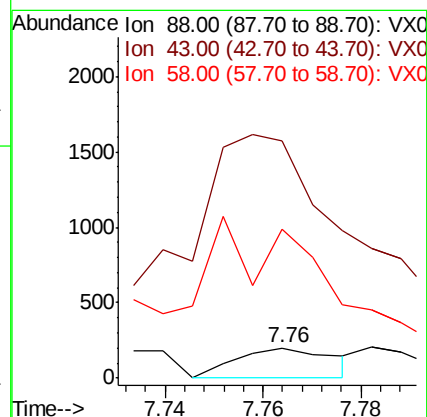
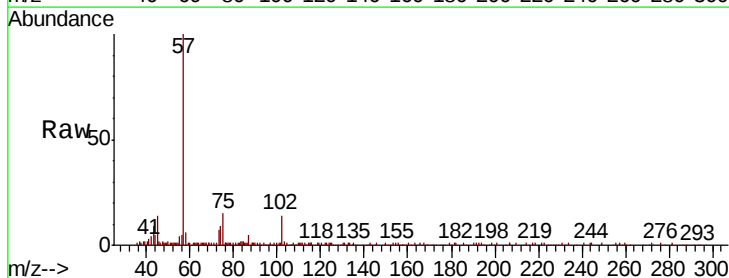
RT: 7.76 min Scan# 1128

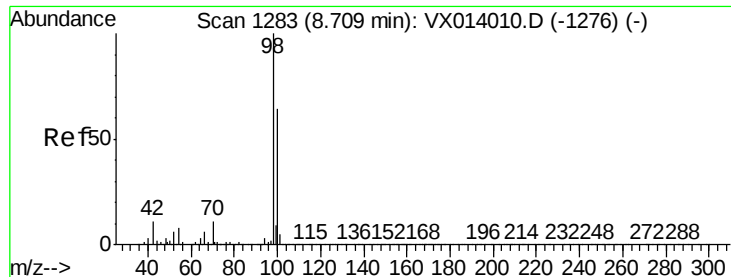
Delta R.T. 0.03 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Tgt Ion	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

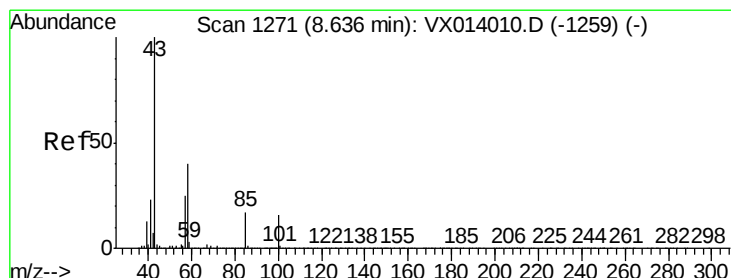
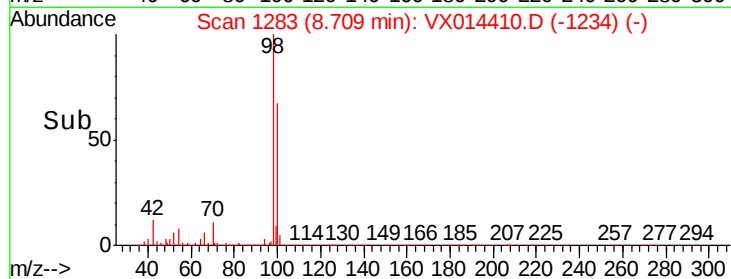
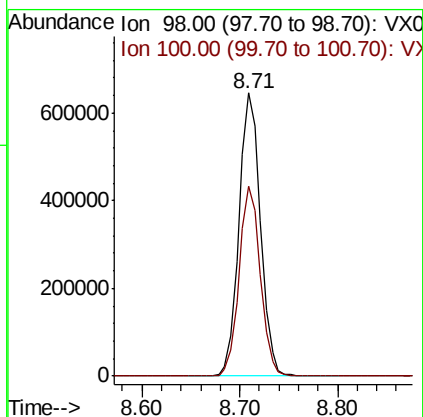
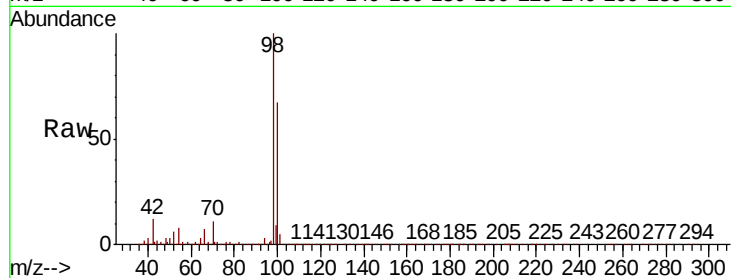
ClientSampleId :

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

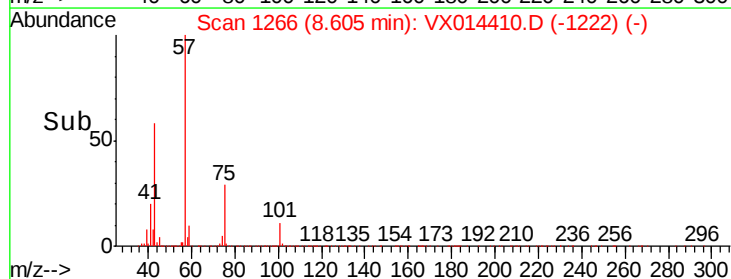
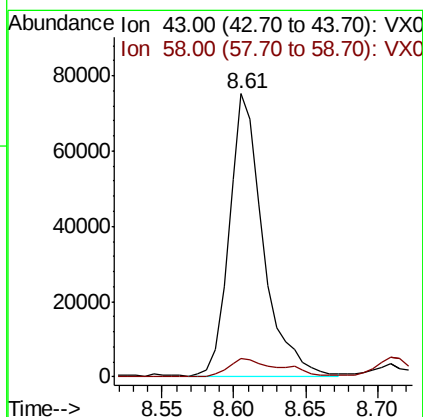
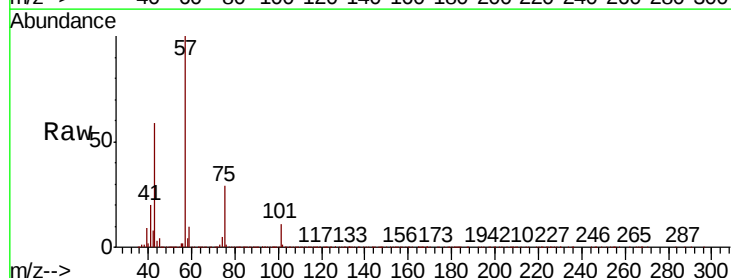
Acq: 03 Jan 2020 18:57

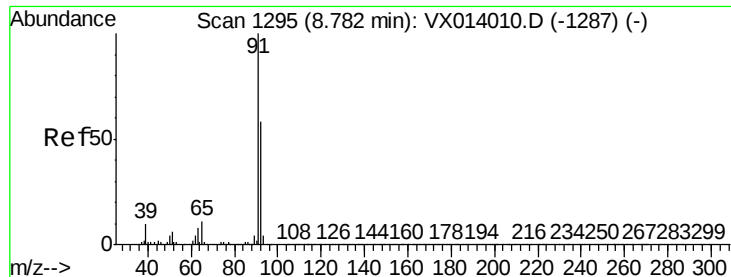
Tgt Ion: 43 Resp: 122153

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

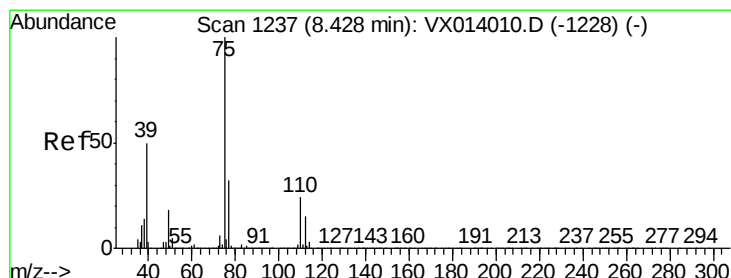
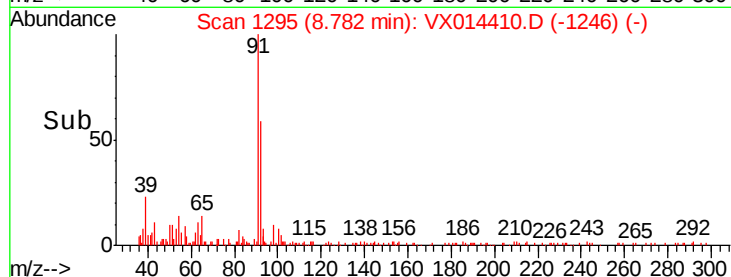
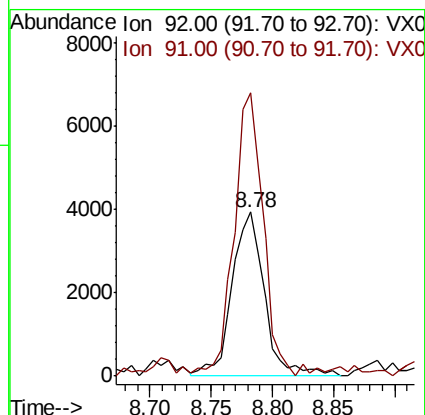
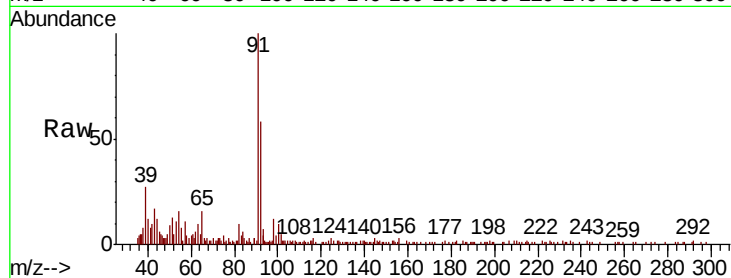
Instrument :
MSVOA_X
ClientSampleId :

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

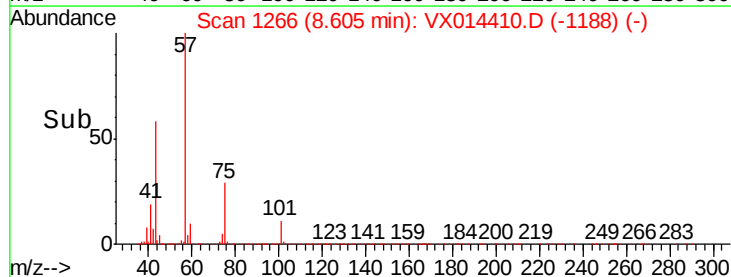
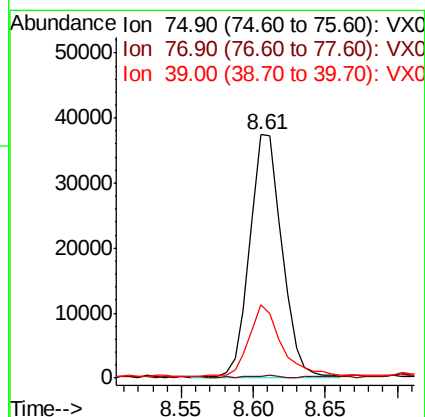
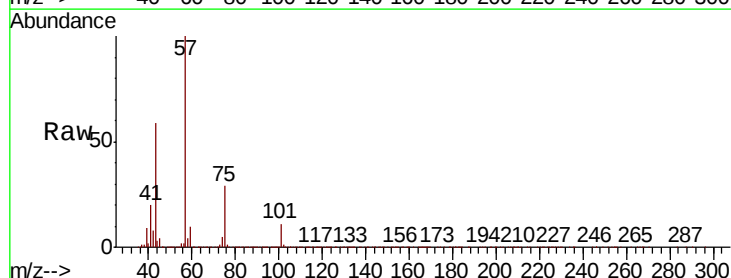
Tgt Ion: 75 Resp: 57421

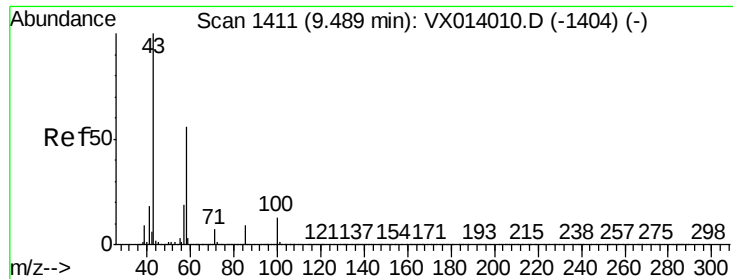
Ion Ratio Lower Upper

75 100

77 0.3 25.3 37.9#

39 29.4 39.9 59.9#

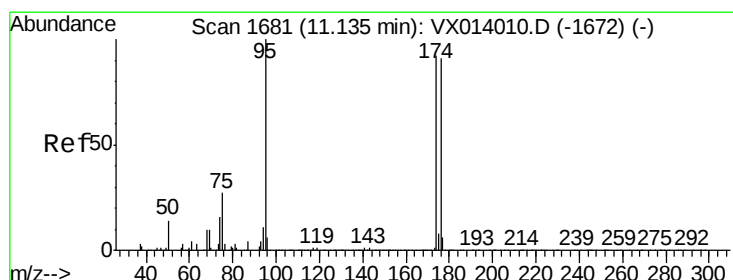
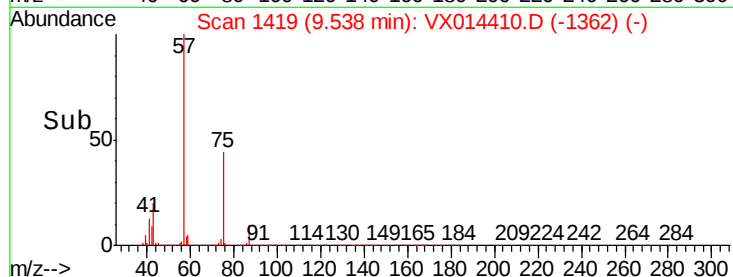
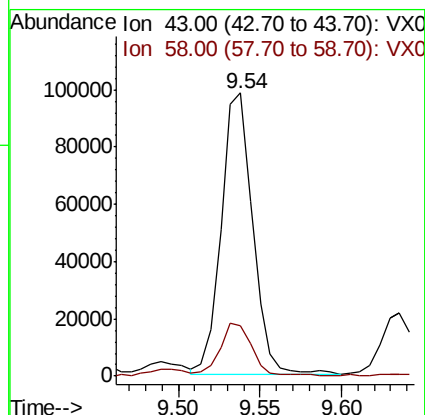
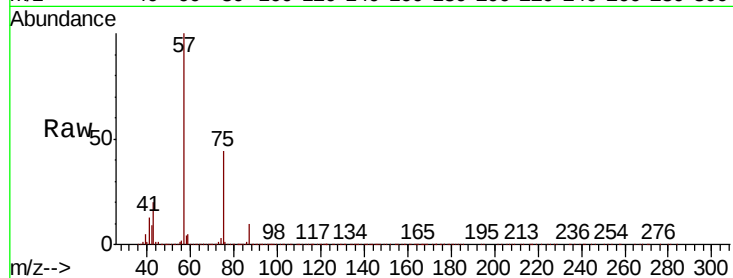




#59
2-Hexanone
Concen: 18.560 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

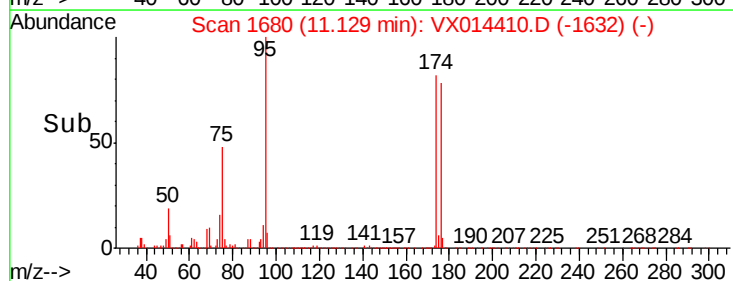
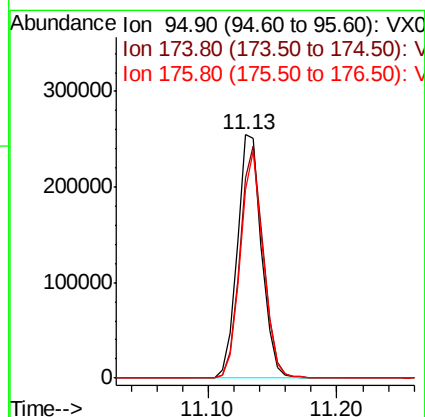
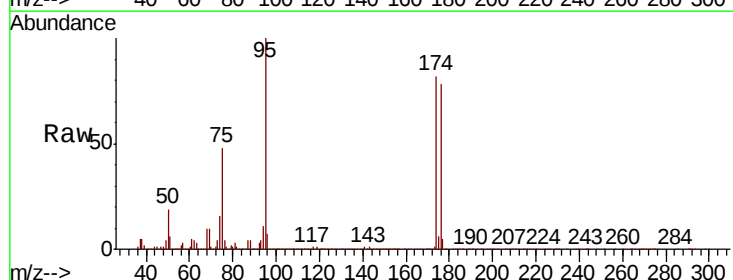
Instrument :
MSVOA_X
ClientSampled :

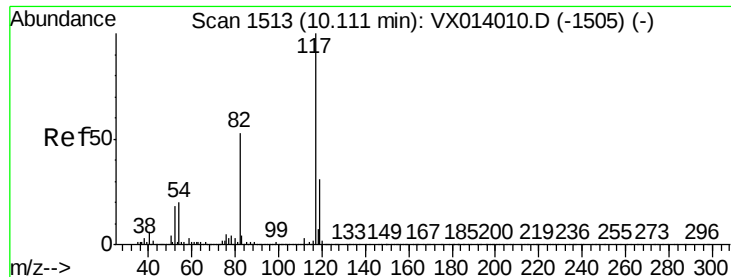
Tot Ion: 43 Resp: 131300
Ion Ratio Lower Upper
43 100
58 19.0 28.0 84.0#



#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

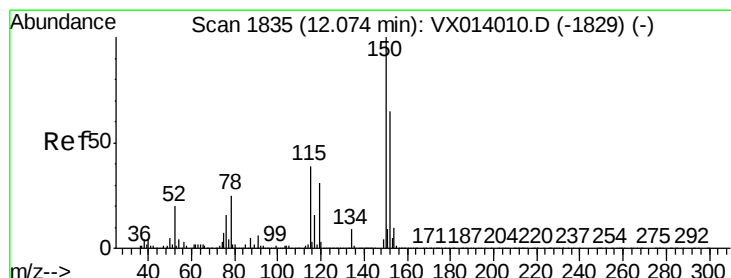
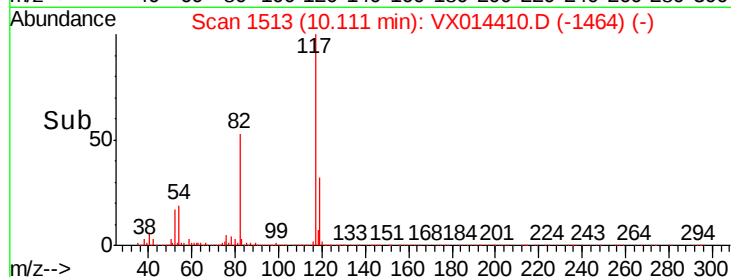
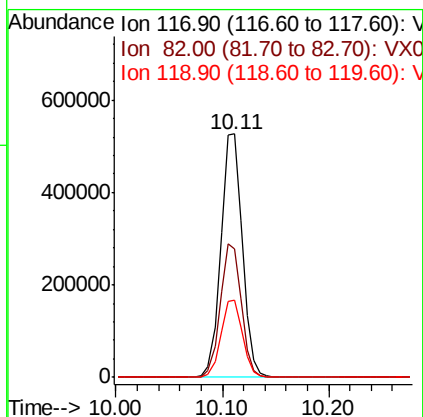
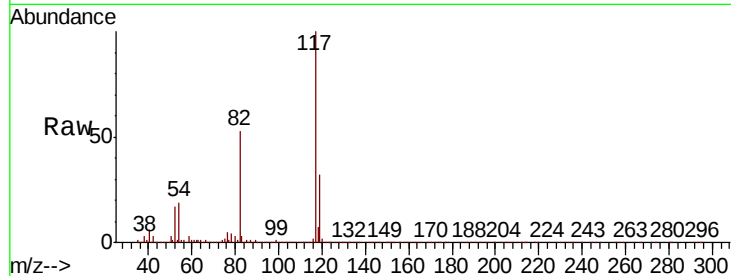




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014410.D
Acq: 03 Jan 2020 18:57

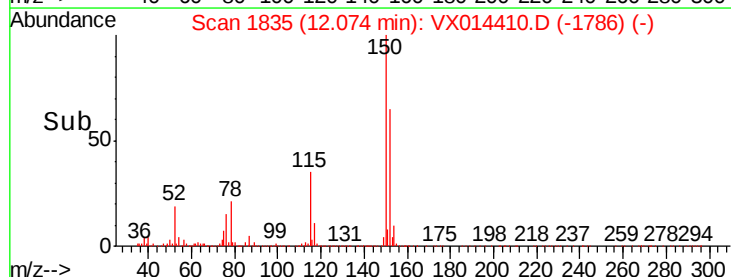
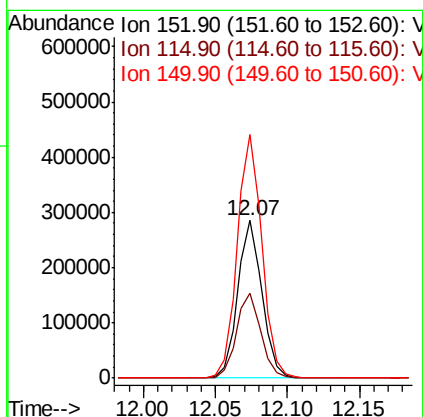
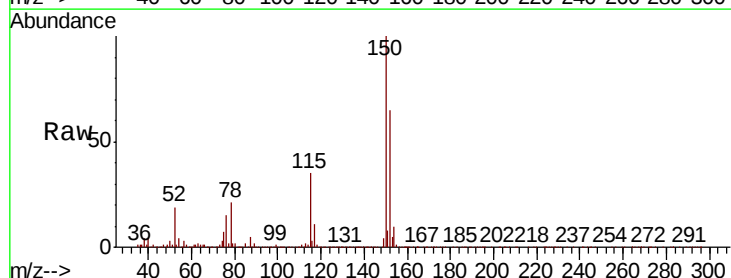
Instrument :
MSVOA_X
ClientSampleId :

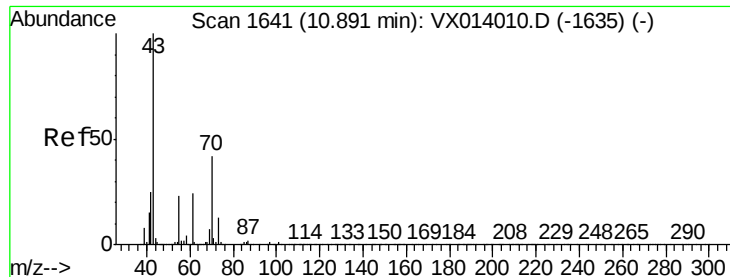
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	31.8	25.1	37.7



#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	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 :

Tot Ion: 43 Resp: 7305

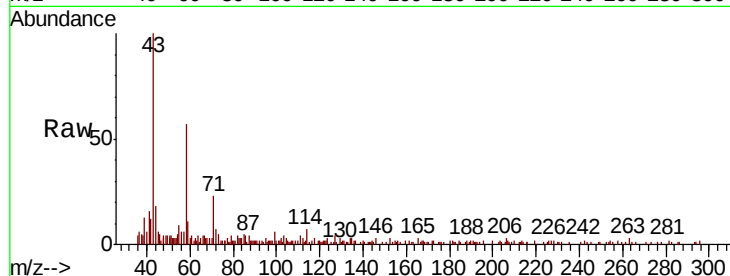
Ion Ratio Lower Upper

43 100

70 4.0 34.4 51.6#

55 5.0 19.1 28.7#

61 0.0 19.7 29.5#

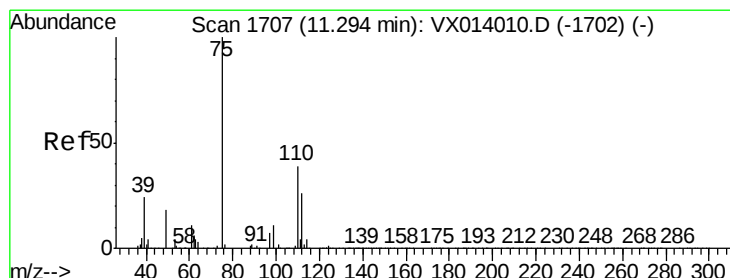
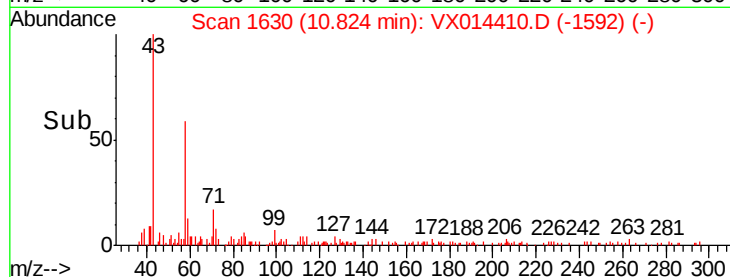
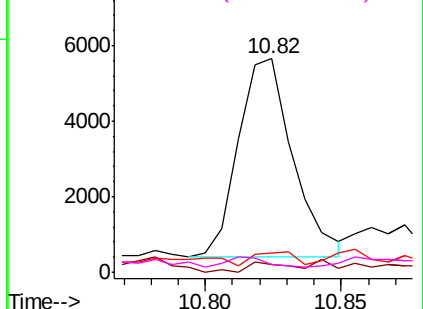


Abundance Ion 43.00 (42.70 to 43.70): VX0

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

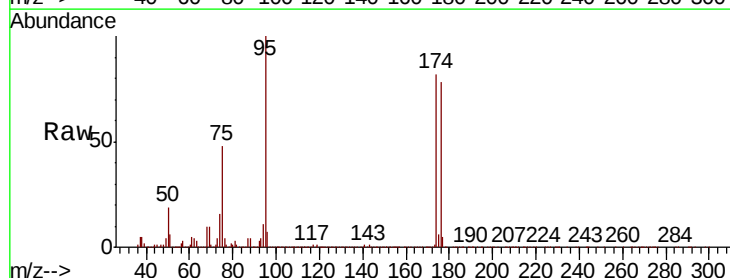
Acq: 03 Jan 2020 18:57

Tgt Ion: 75 Resp: 160780

Ion Ratio Lower Upper

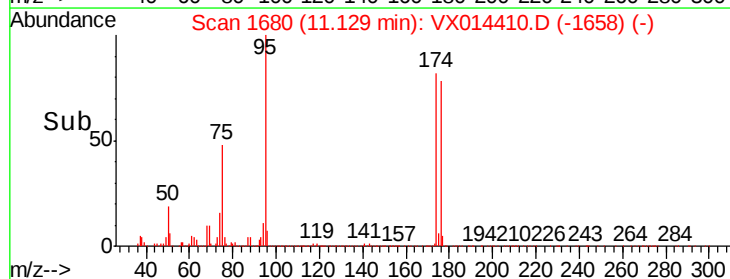
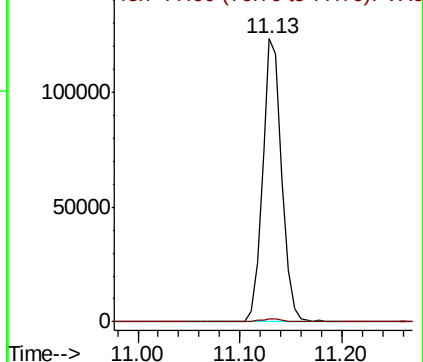
75 100

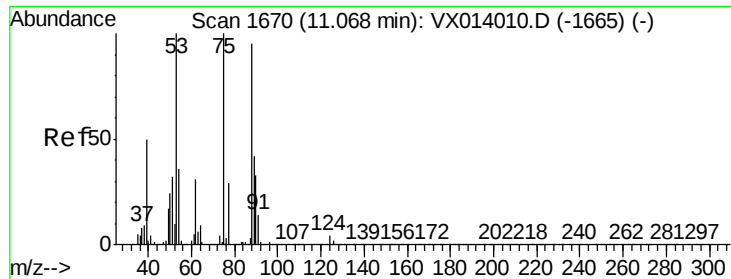
77 1.3 19.3 57.8#



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 :

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#

