

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014433.D
 Acq On : 06 Jan 2020 17:28
 Operator : JC/SP
 Sample : L1020-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:41:45 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	566637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	863938	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	775739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	358798	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	305415	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	5.49	113	250085	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	8.71	98	1016233	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	348740	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

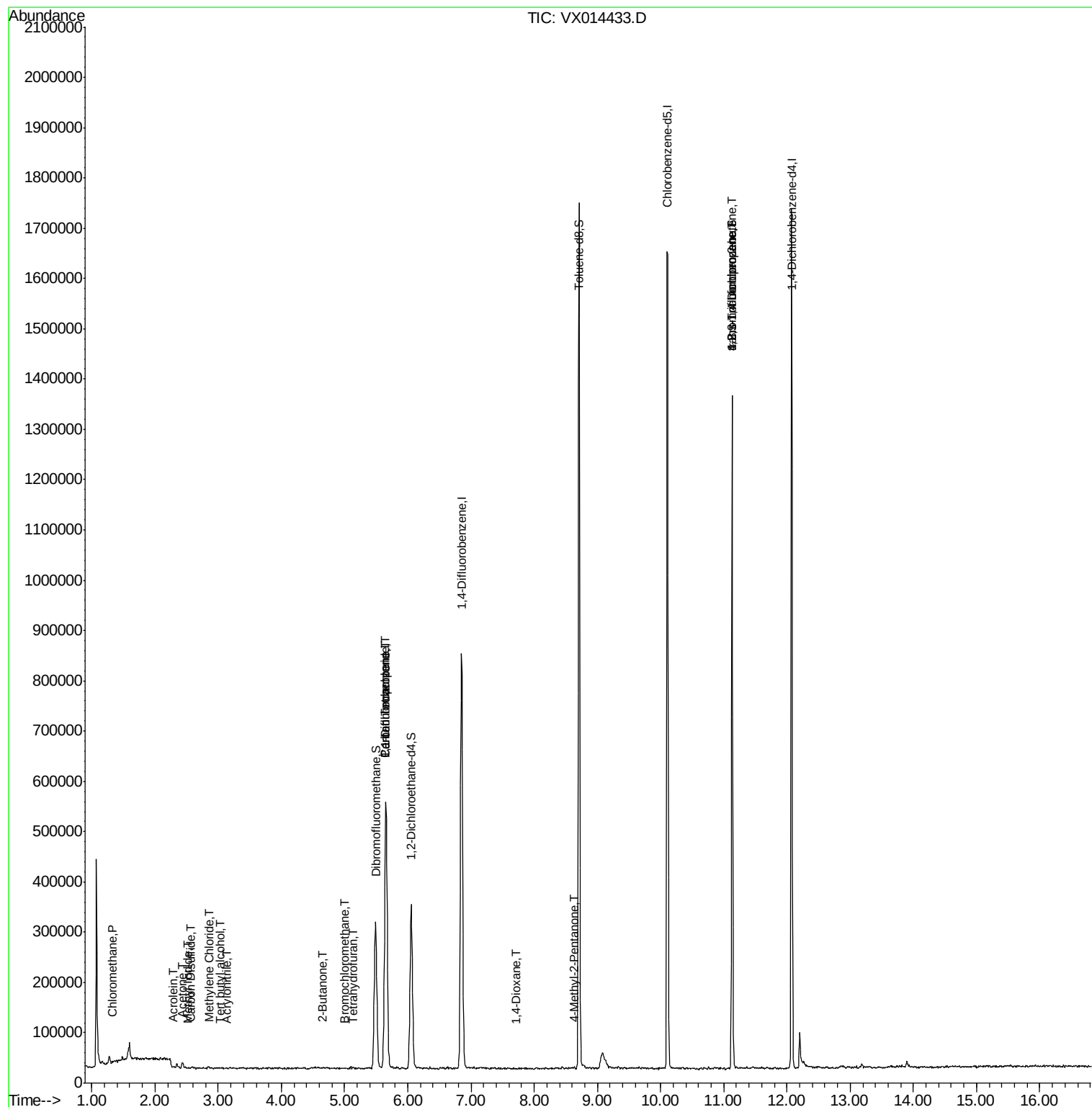
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1721	0.253	ug/l #	75
10) Methyl Iodide	2.52	142	837	2.733	ug/l #	26
11) Tert butyl alcohol	3.03	59	996	0.718	ug/l #	87
13) Acrolein	2.28	56	542	0.682	ug/l	93
15) Acrylonitrile	3.13	53	881	0.272	ug/l	99
16) Acetone	2.44	43	12826	3.076	ug/l	93
17) Carbon Disulfide	2.56	76	1402	0.841	ug/l	99
20) Methylene Chloride	2.85	84	2479	0.378	ug/l #	77
25) 2-Butanone	4.65	43	1610	0.313	ug/l	97
28) Bromochloromethane	5.00	49	946	0.680	ug/l #	39
29) Tetrahydrofuran	5.12	42	828	0.288	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	38335	4.836	ug/l #	52
38) Carbon Tetrachloride	5.65	117	50523	6.996	ug/l #	18
49) 1,4-Dioxane	7.73	88	117	0.810	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1945	0.214	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	171364	22.000	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	171364	62.094	ug/l #	12

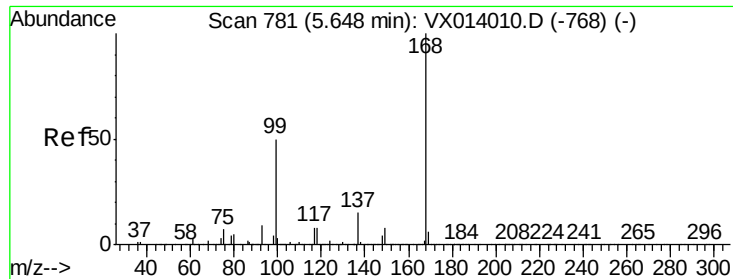
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

Instrument :

MSVOA_X

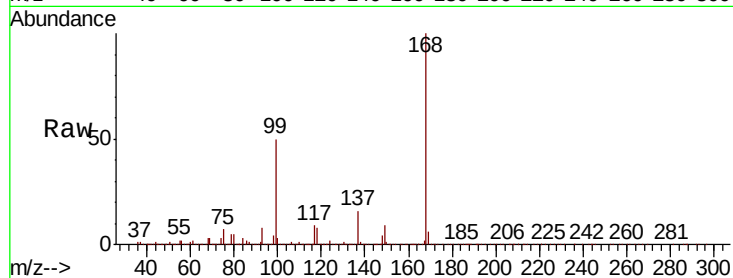
ClientSampleId :

Tot Ion:168 Resp: 566637

Ion Ratio Lower Upper

168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

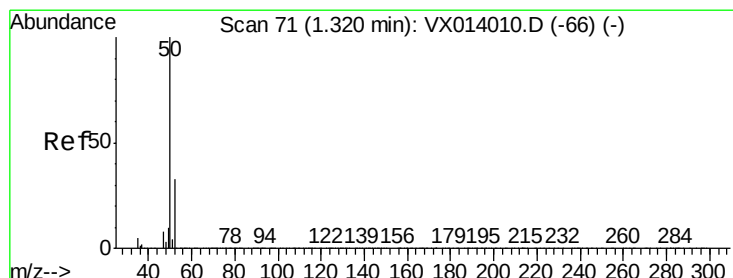
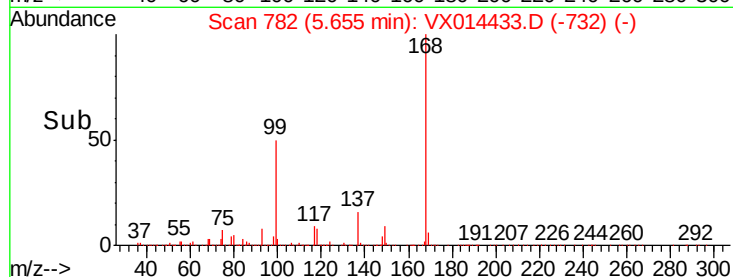
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014433.D

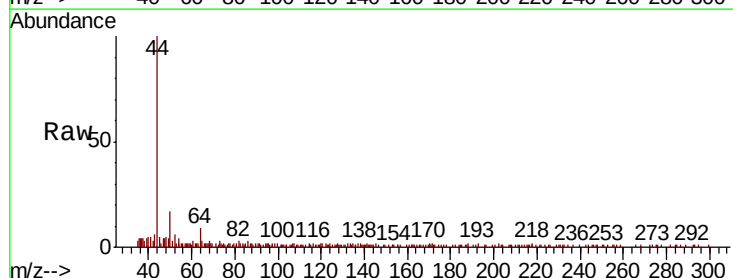
Acq: 06 Jan 2020 17:28

Tgt Ion: 50 Resp: 1721

Ion Ratio Lower Upper

50 100

52 18.8 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

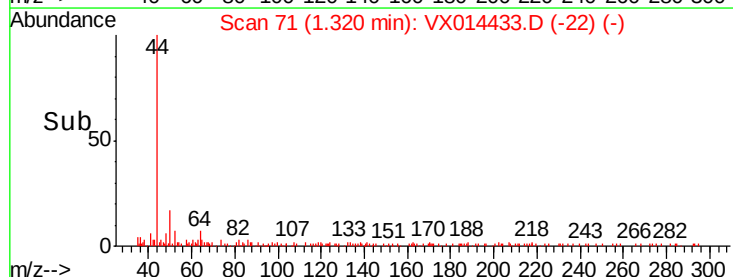
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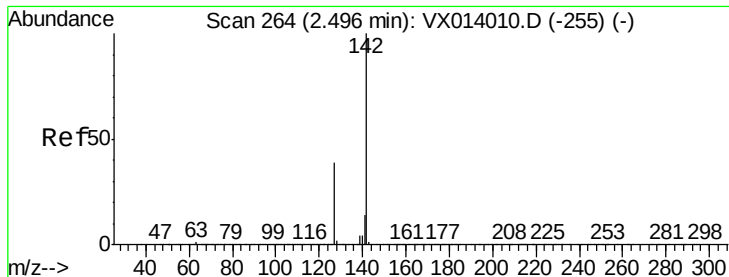
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500

0

Time-->

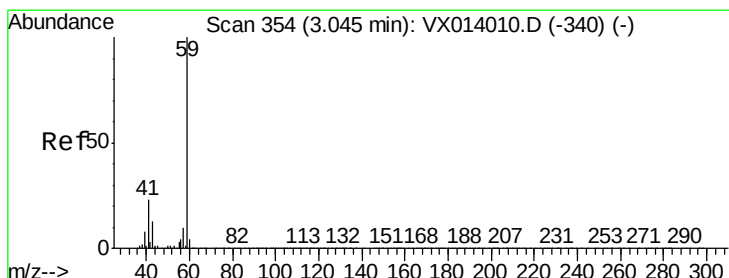
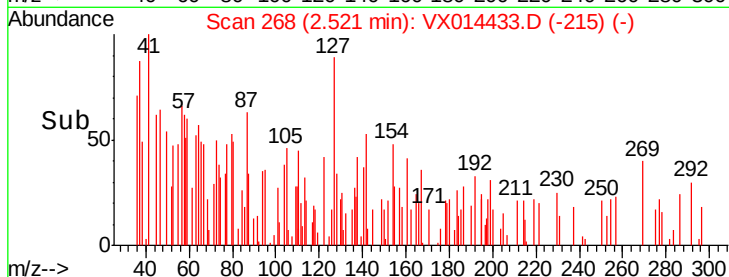
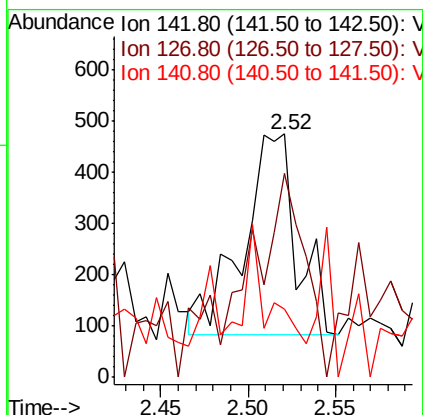
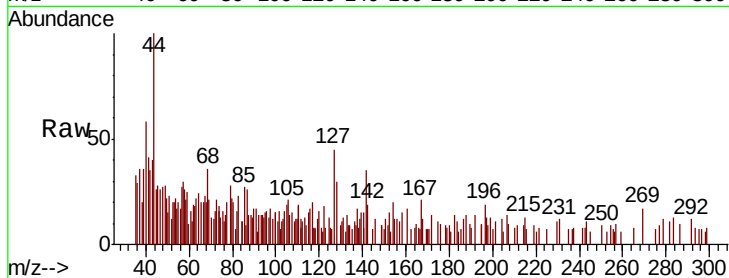




#10
Methyl Iodide
Concen: 2.733 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.02 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

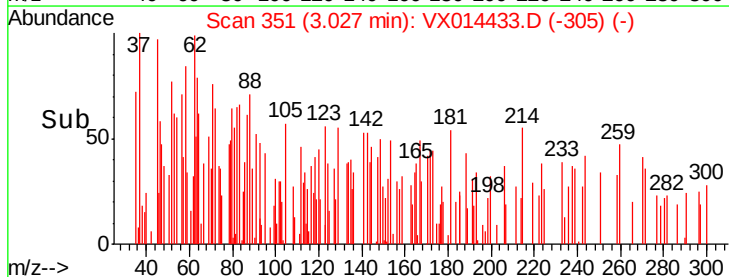
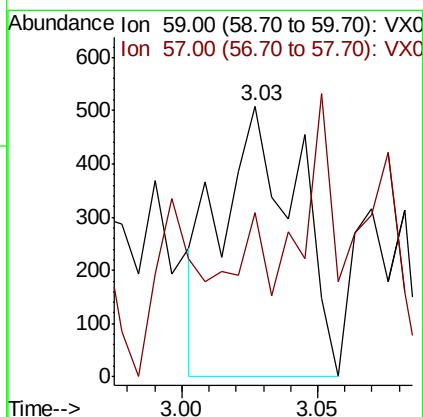
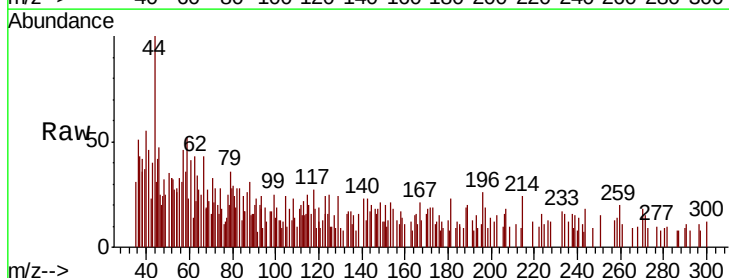
Instrument :
MSVOA_X
ClientSampled :

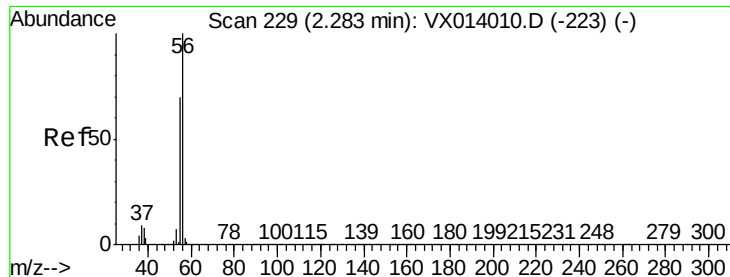
Tot Ion: 142 Resp: 837
Ion Ratio Lower Upper
142 100
127 95.0 31.6 47.4#
141 27.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.718 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

Tgt Ion: 59 Resp: 996
Ion Ratio Lower Upper
59 100
57 5.7 8.4 12.6#

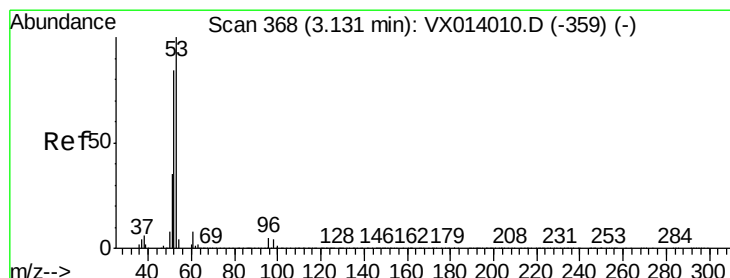
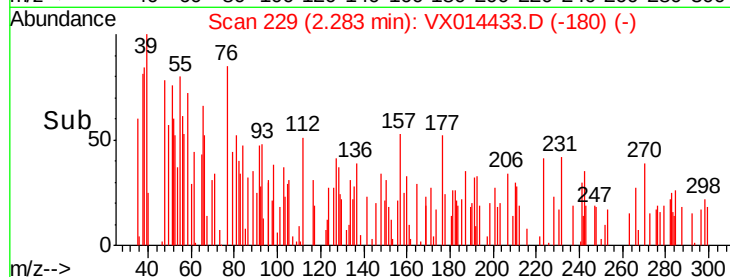
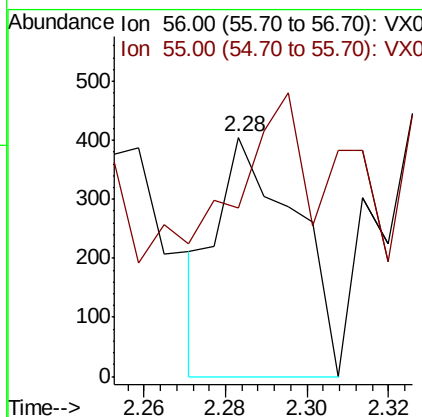
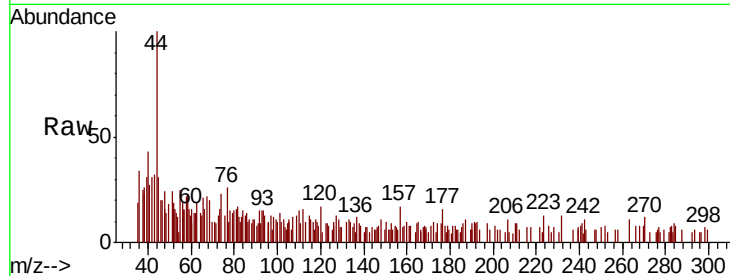




#13
Acrolein
Concen: 0.682 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

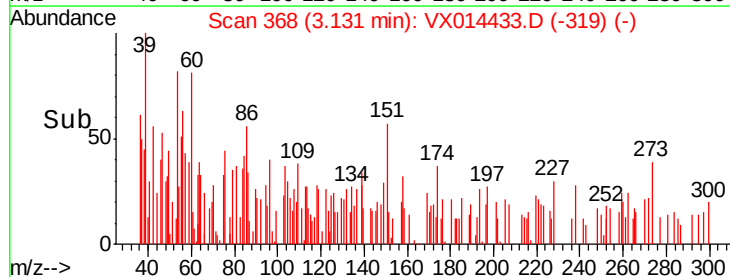
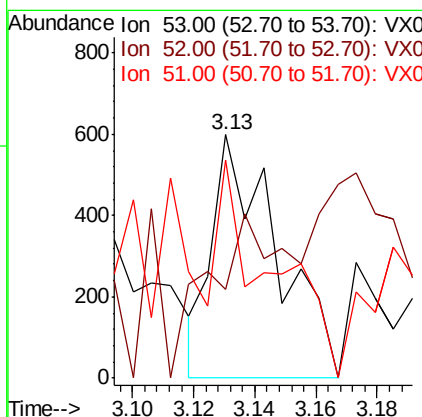
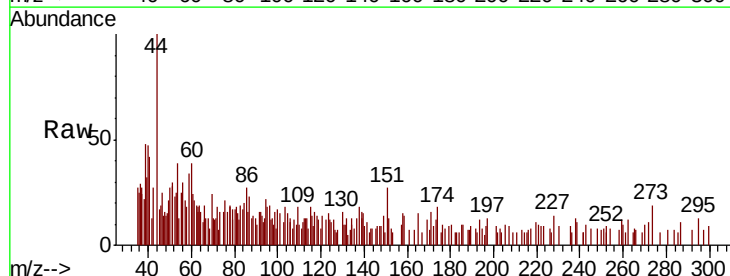
Instrument :
MSVOA_X
ClientSampled :

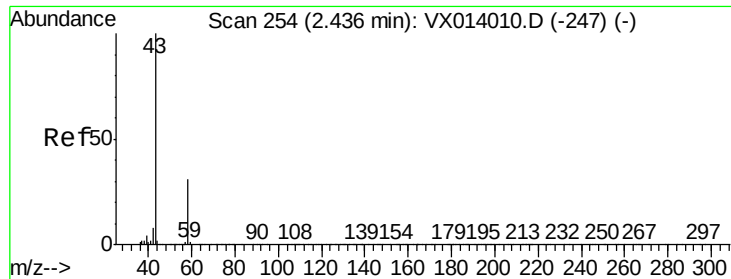
Tot Ion: 56 Resp: 542
Ion Ratio Lower Upper
56 100
55 76.8 56.9 85.3



#15
Acrylonitrile
Concen: 0.272 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

Tgt Ion: 53 Resp: 881
Ion Ratio Lower Upper
53 100
52 83.3 66.5 99.7
51 33.1 28.1 42.1

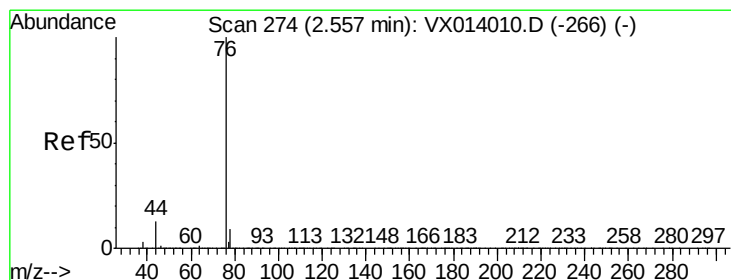
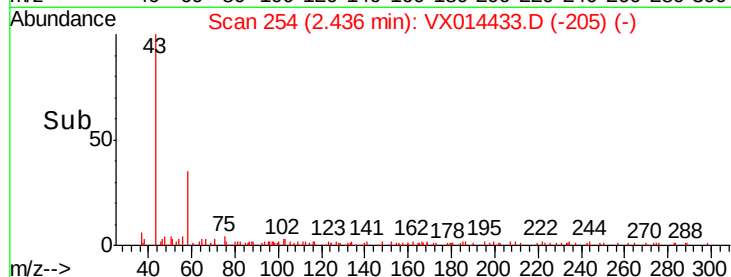
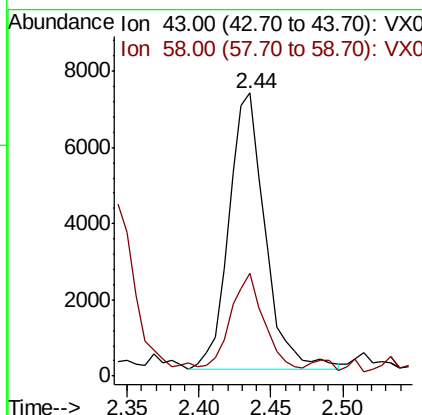
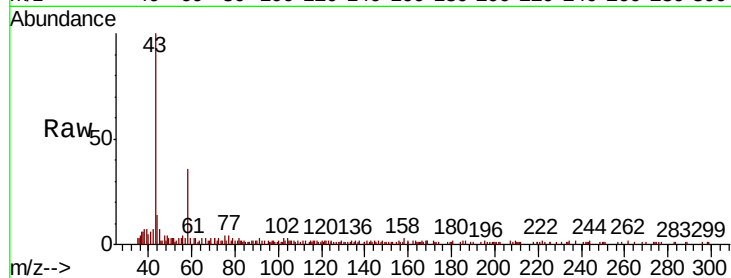




#16
Acetone
Concen: 3.076 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

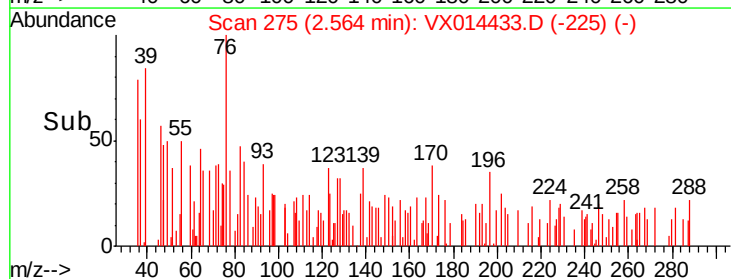
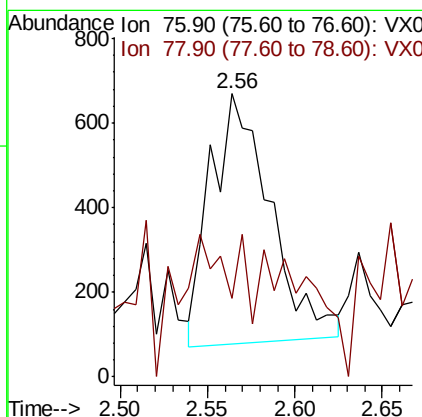
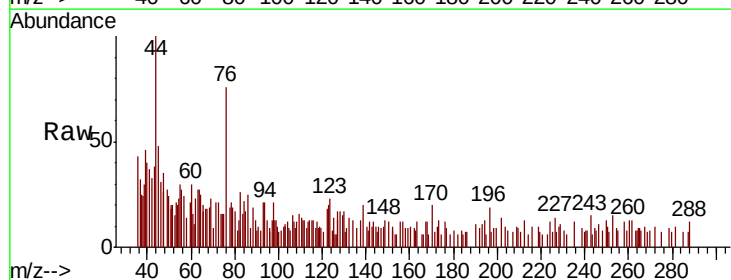
Instrument :
MSVOA_X
ClientSampled :

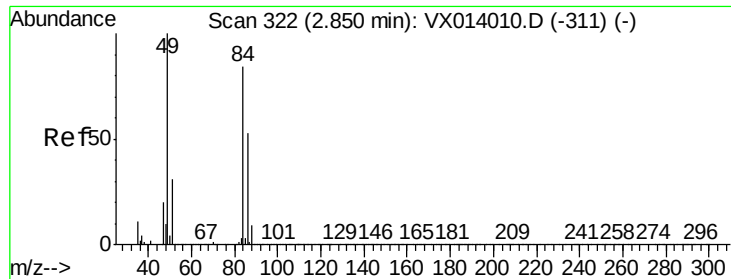
Tot Ion: 43 Resp: 12826
Ion Ratio Lower Upper
43 100
58 35.2 24.9 37.3



#17
Carbon Disulfide
Concen: 0.841 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

Tgt Ion: 76 Resp: 1402
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

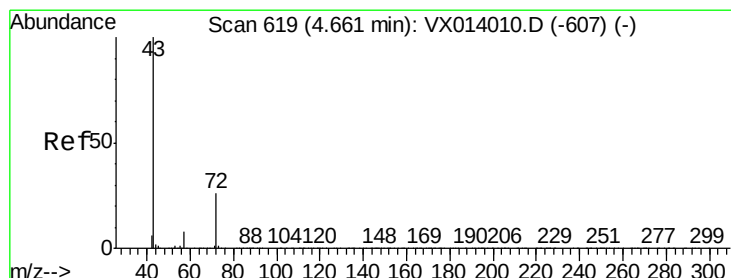
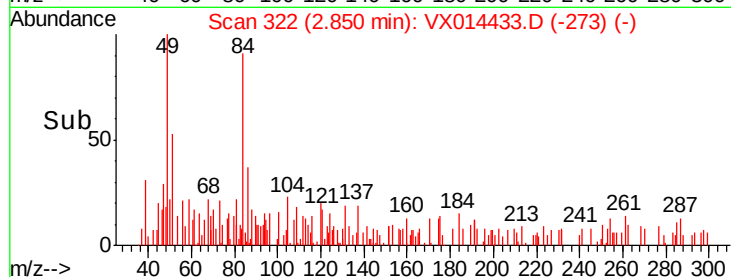
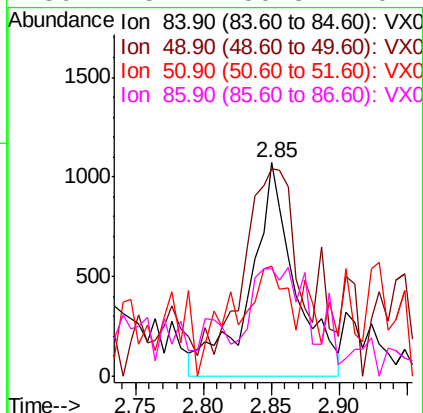
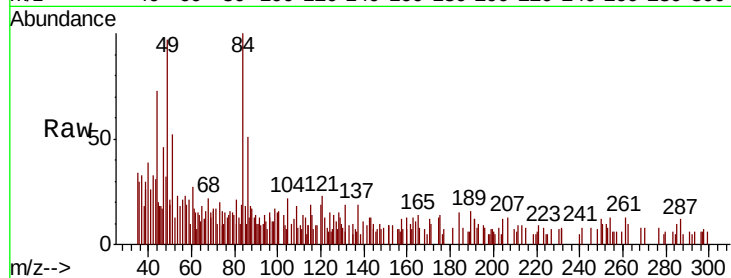




#20
Methylene Chloride
Concen: 0.378 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

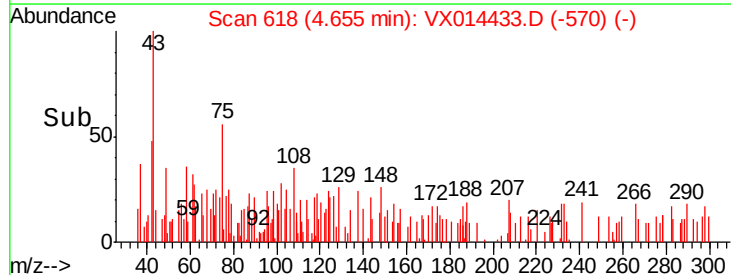
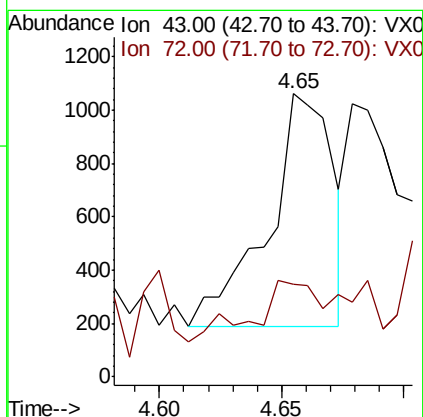
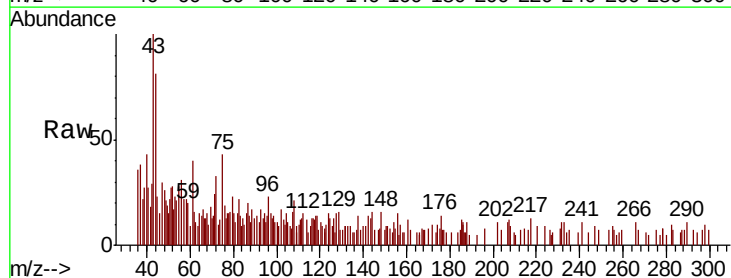
Instrument :
MSVOA_X
ClientSampleId :

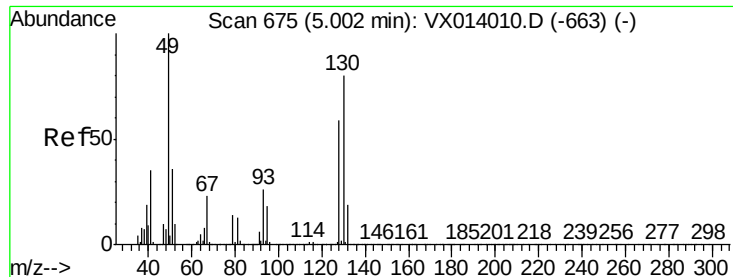
Tot Ion:	84	Resp:	2479
Ion	Ratio	Lower	Upper
84	100		
49	87.5	95.8	143.6#
51	37.2	29.8	44.8
86	43.4	50.8	76.2#



#25
2-Butanone
Concen: 0.313 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

Tgt Ion:	43	Resp:	1610
Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.0	31.4

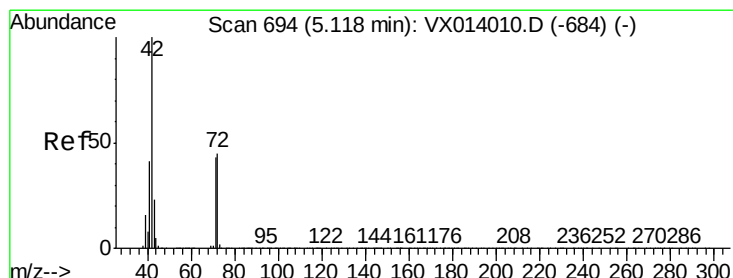
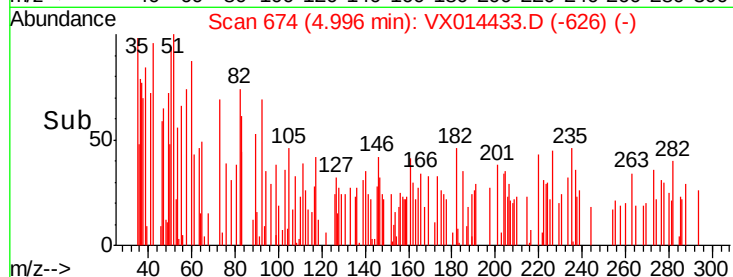
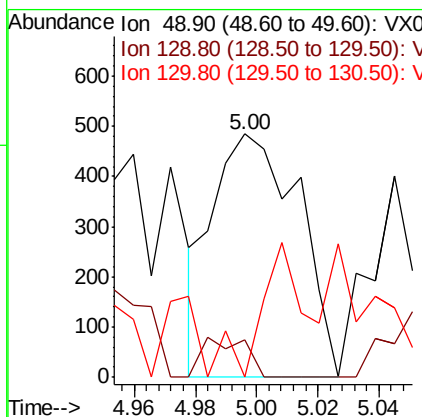
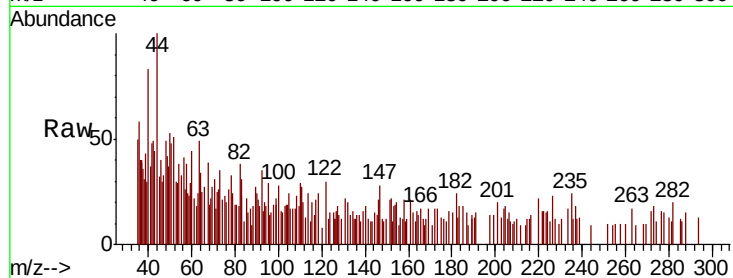




#28
Bromochloromethane
Concen: 0.680 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

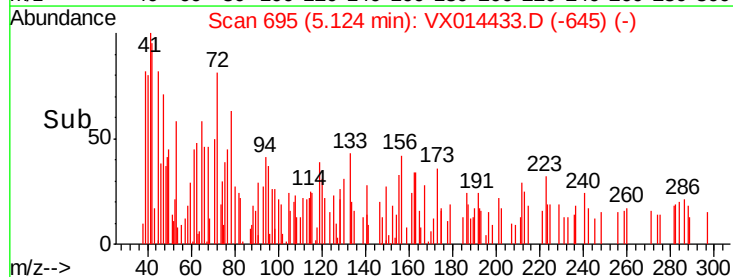
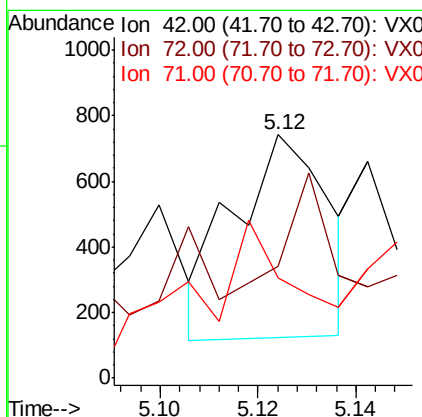
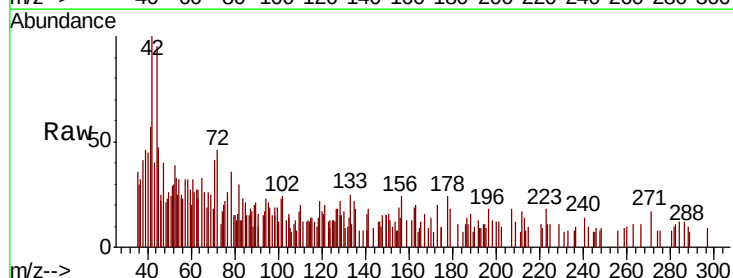
Instrument :
MSVOA_X
ClientSampled :

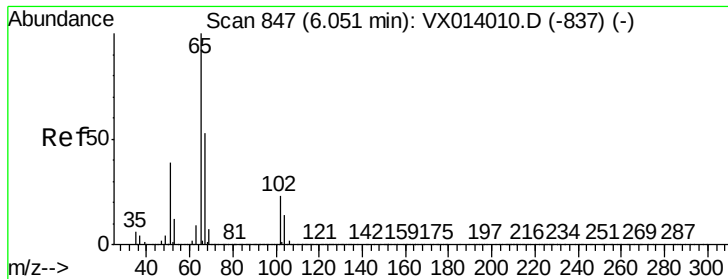
Tot Ion: 49 Resp: 946
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 25.6 64.6 97.0#



#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX014433.D
Acq: 06 Jan 2020 17:28

Tgt Ion: 42 Resp: 828
Ion Ratio Lower Upper
42 100
72 79.0 35.8 53.8#
71 95.0 33.6 50.4#

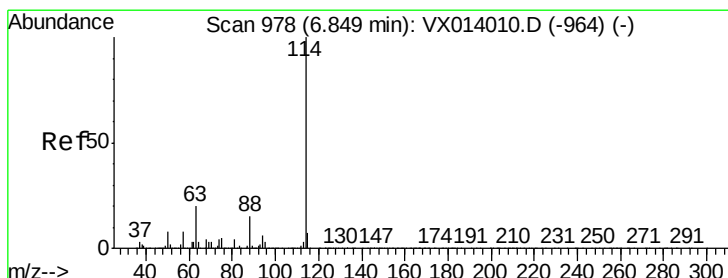
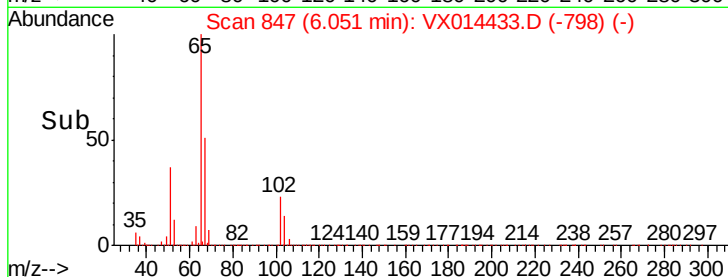
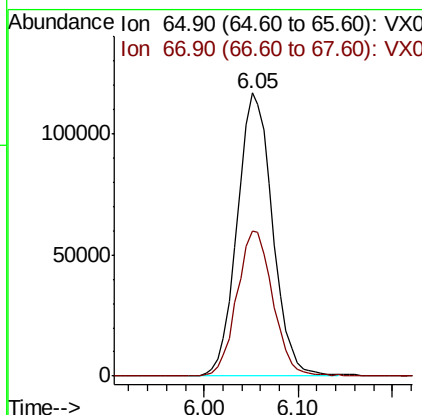
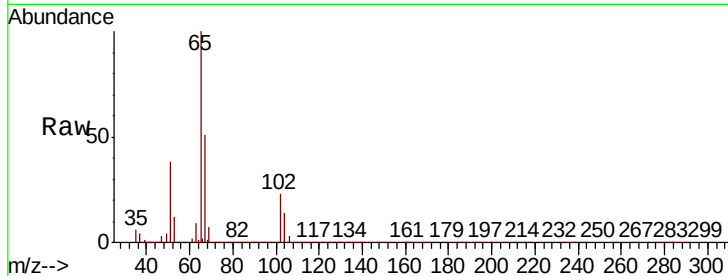




#33
 1,2-Dichloroethane-d4
 Concen: 47.557 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014433.D
 Acq: 06 Jan 2020 17:28

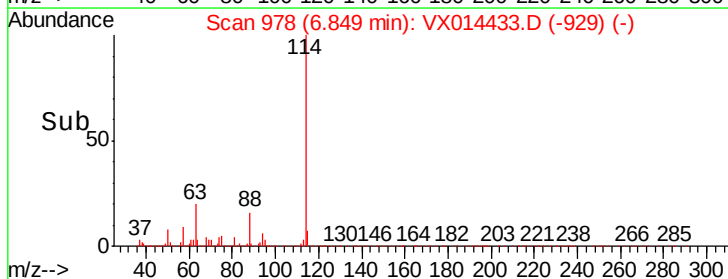
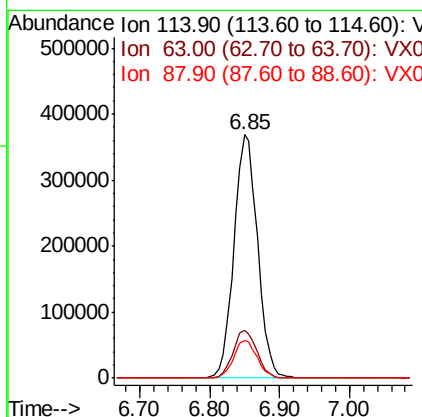
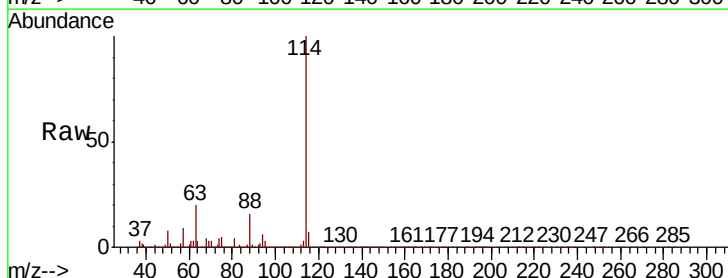
Instrument :
 MSVOA_X
 ClientSampleId :

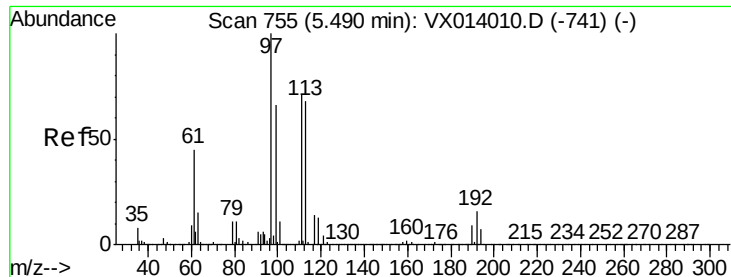
Tot Ion: 65 Resp: 305415
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014433.D
 Acq: 06 Jan 2020 17:28

Tgt Ion: 114 Resp: 863938
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 15.6 0.0 30.4

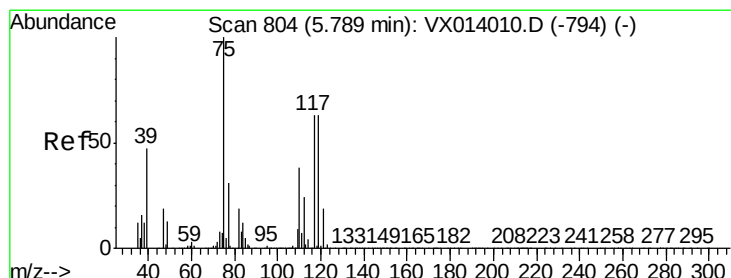
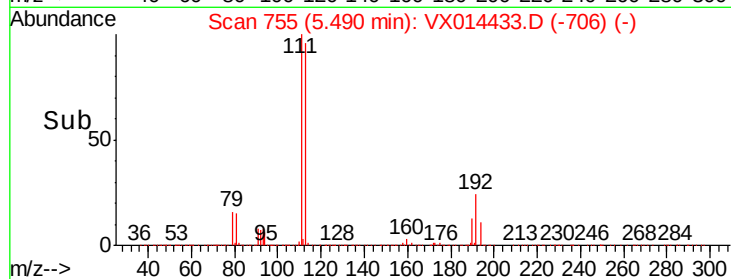
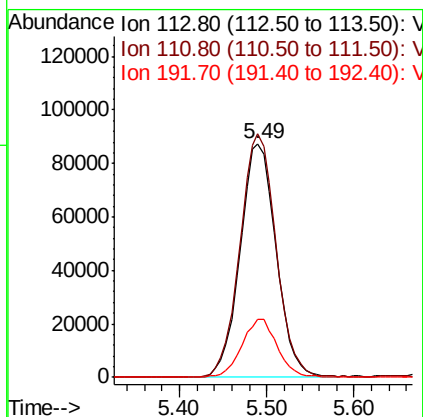
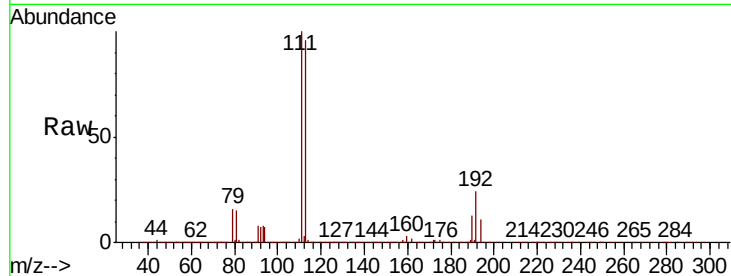




#35
 Dibromofluoromethane
 Concen: 47.619 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014433.D
 Acq: 06 Jan 2020 17:28

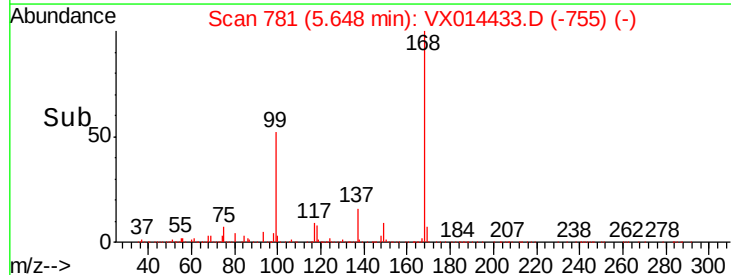
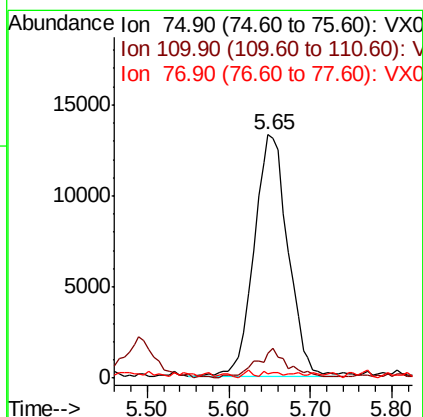
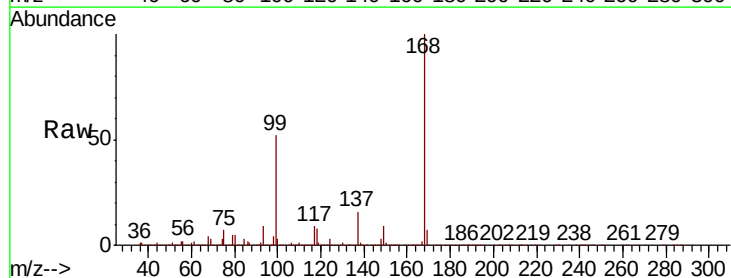
Instrument :
 MSVOA_X
 ClientSampleId :

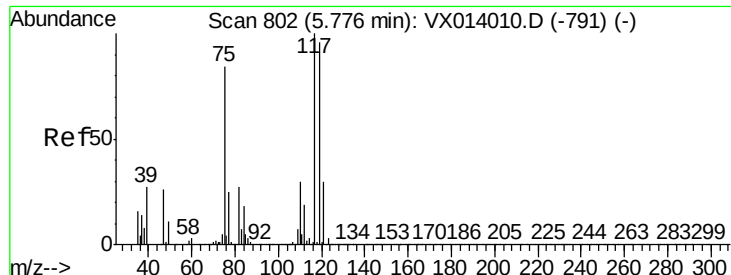
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.0	123.0
192	24.7	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014433.D
 Acq: 06 Jan 2020 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.3	54.9#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.996 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

Instrument :

MSVOA_X

ClientSampled :

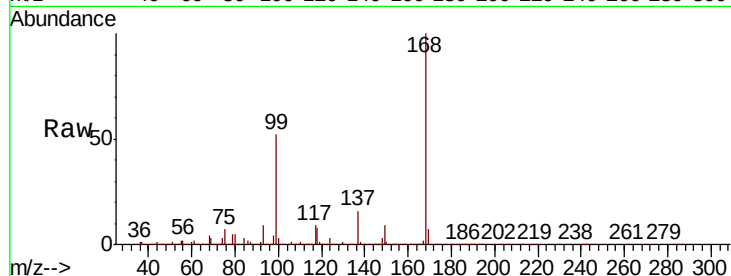
Tot Ion:117 Resp: 50523

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.4#

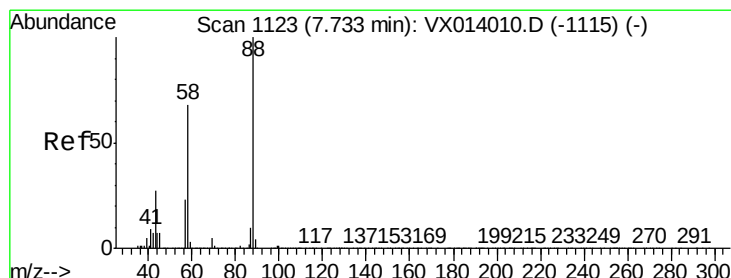
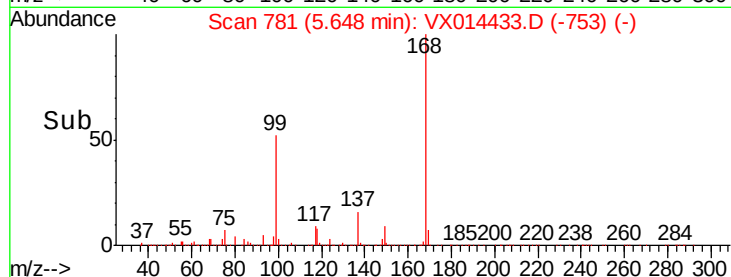
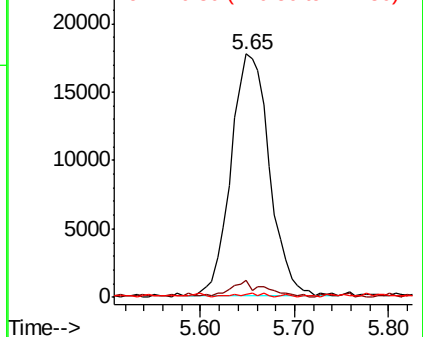
121 0.9 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.810 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

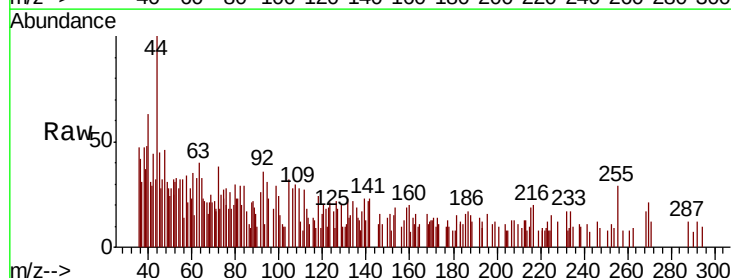
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 983.8 26.5 39.7#

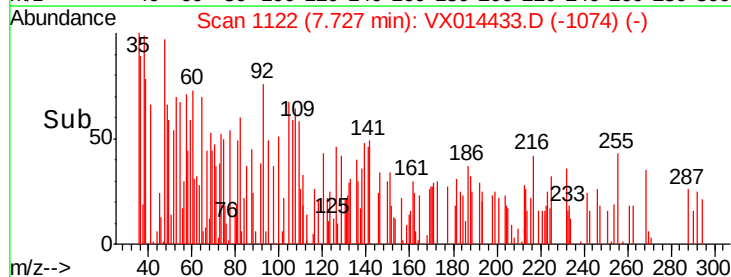
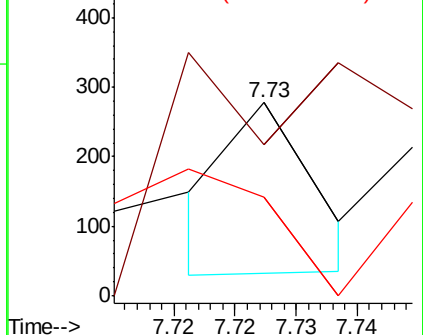
58 0.0 56.8 85.2#

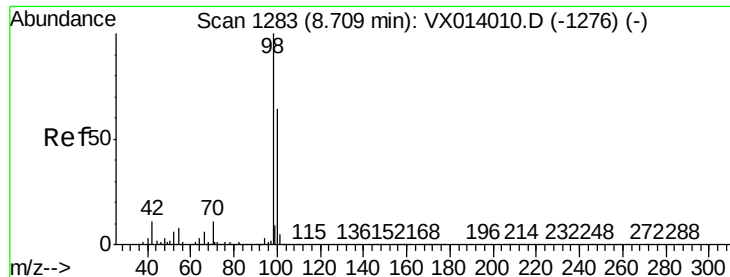


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.702 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

Instrument :

MSVOA_X

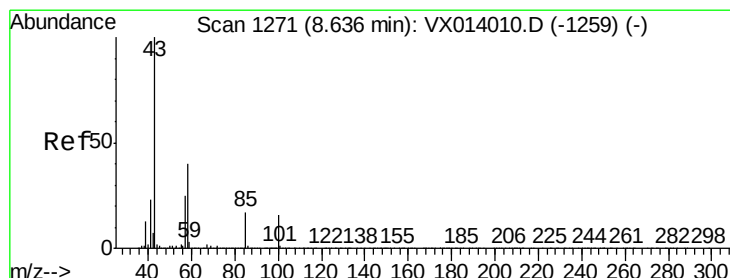
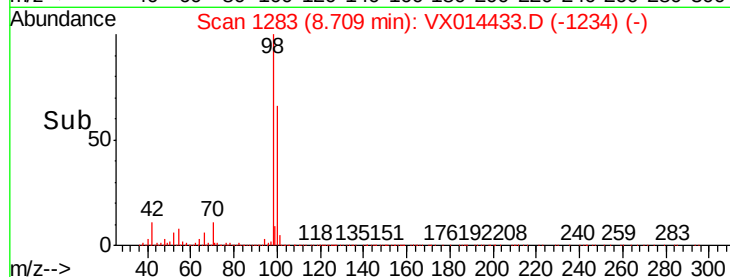
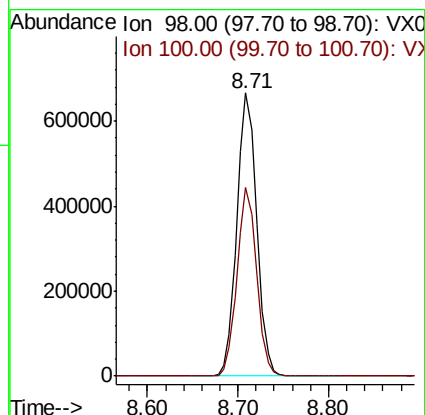
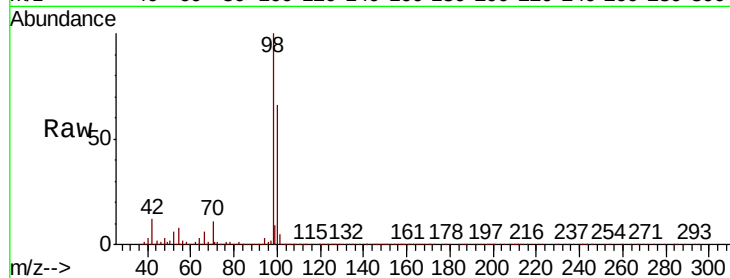
ClientSampleId :

Tot Ion: 98 Resp: 1016233

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.214 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014433.D

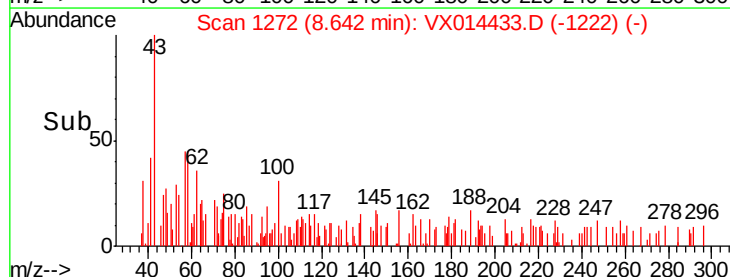
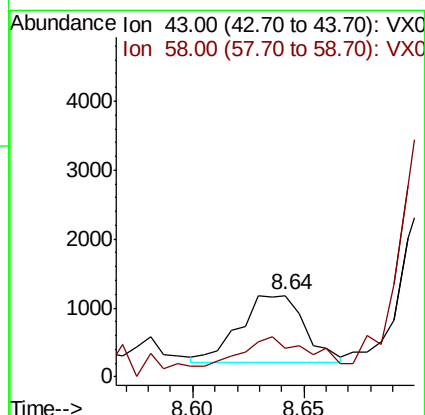
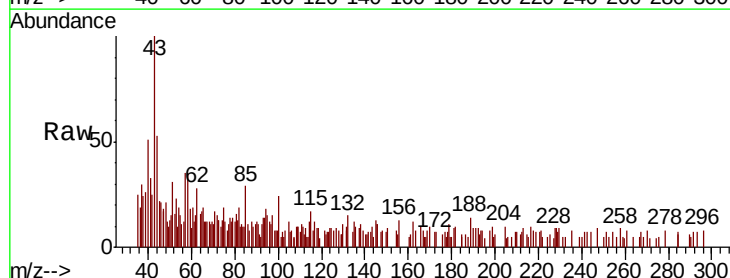
Acq: 06 Jan 2020 17:28

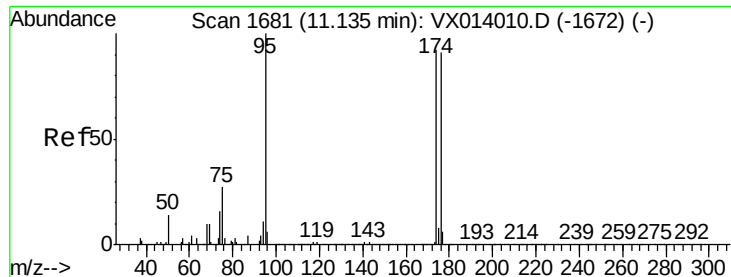
Tgt Ion: 43 Resp: 1945

Ion Ratio Lower Upper

43 100

58 42.6 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 46.660 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

Instrument :

MSVOA_X

ClientSampleId :

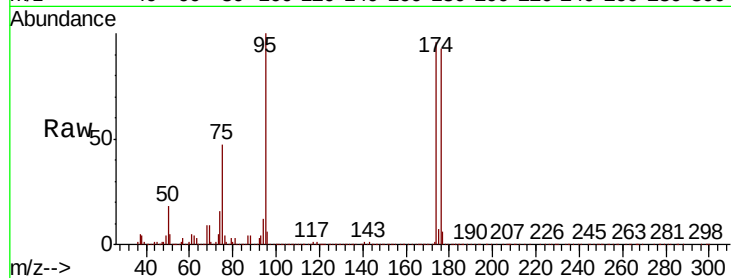
Tot Ion: 95 Resp: 348740

Ion Ratio Lower Upper

95 100

174 91.5 0.0 175.8

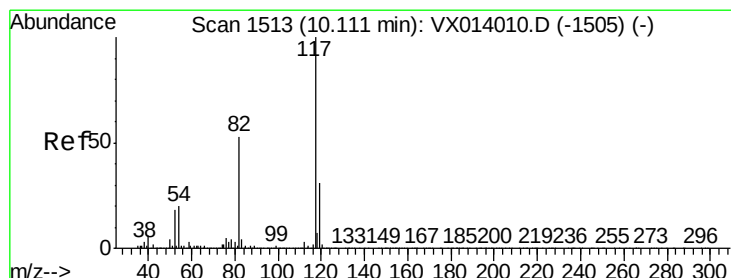
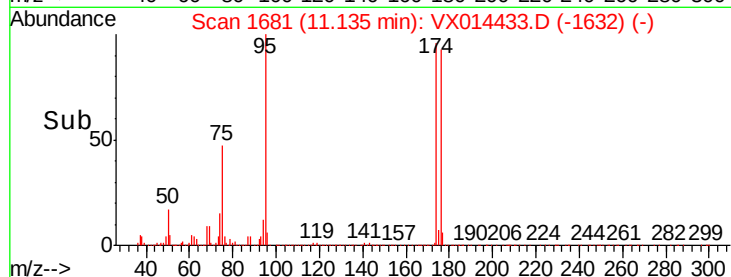
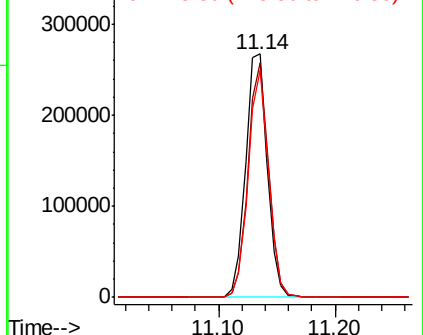
176 88.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

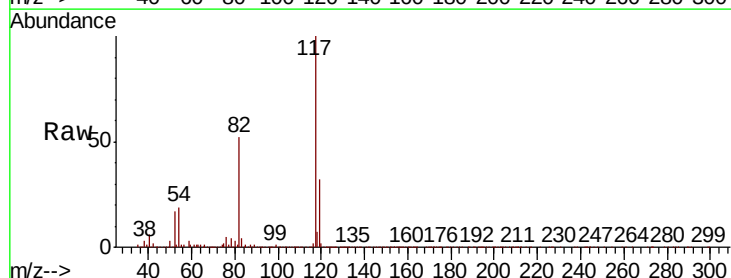
Tgt Ion: 117 Resp: 775739

Ion Ratio Lower Upper

117 100

82 51.5 42.2 63.4

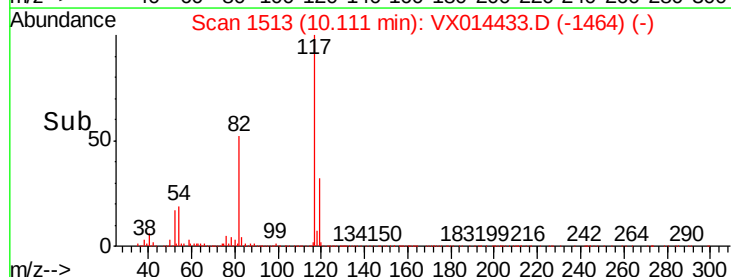
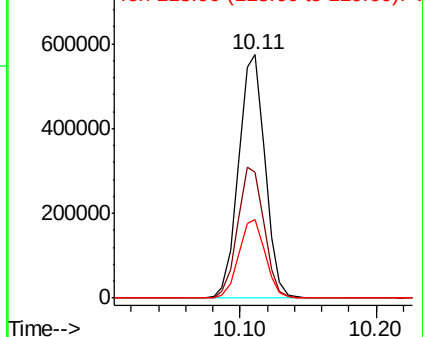
119 32.1 25.1 37.7

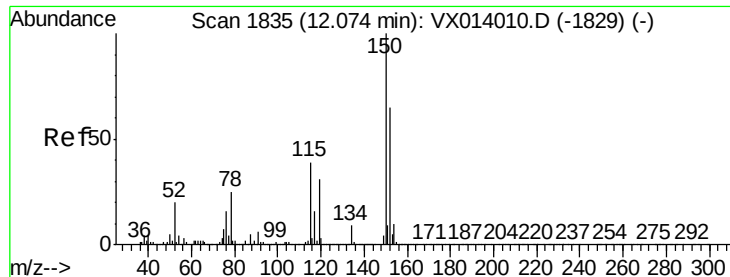


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

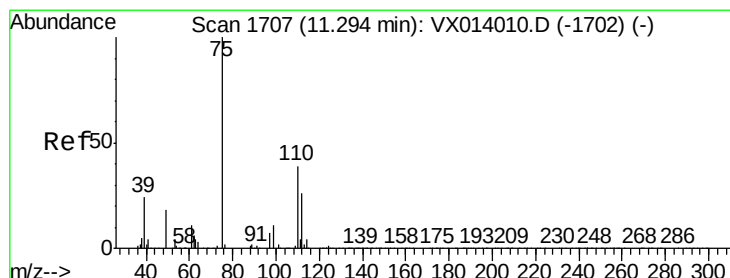
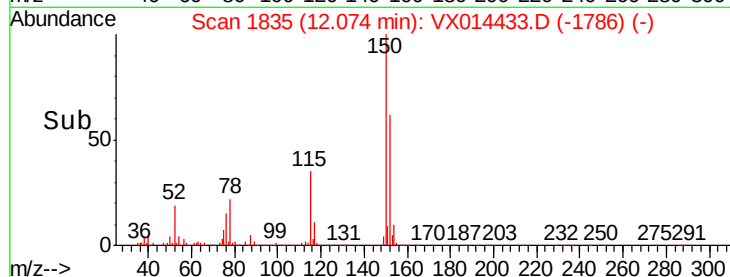
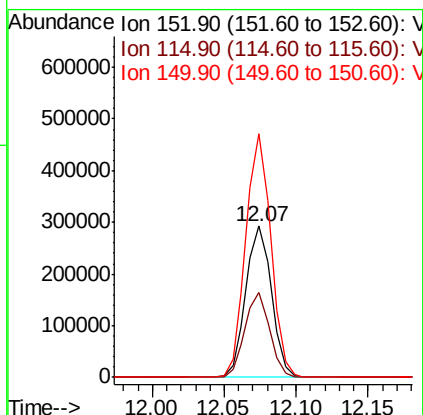
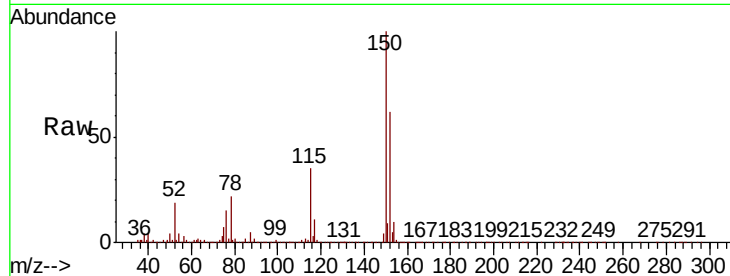




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014433.D
 Acq: 06 Jan 2020 17:28

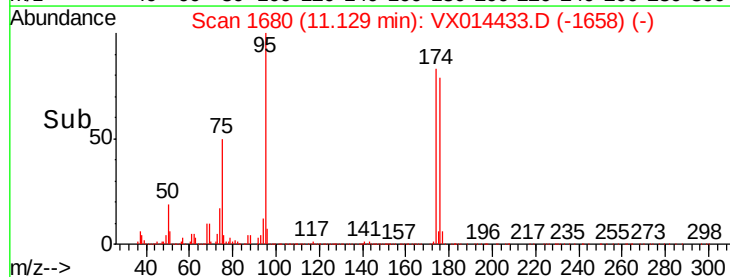
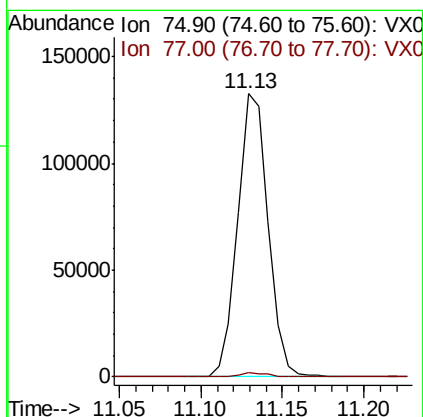
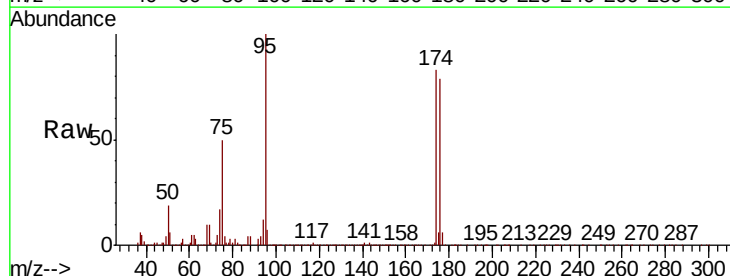
Instrument :
 MSVOA_X
 ClientSampleId :

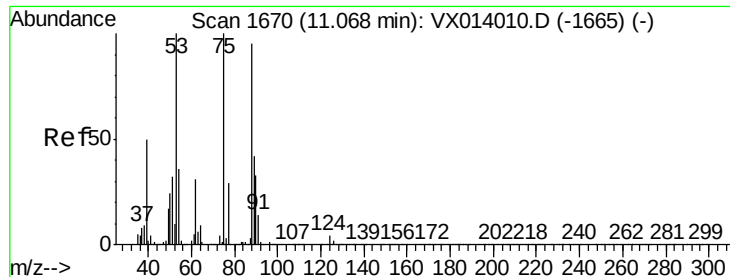
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	158.3	0.0	345.4



#76
 1,2,3-Trichloropropane
 Concen: 22.000 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014433.D
 Acq: 06 Jan 2020 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.094 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014433.D

Acq: 06 Jan 2020 17:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 171364

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.0 34.6 51.8#

