

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021120\
 Data File : VX014912.D
 Acq On : 11 Feb 2020 13:32
 Operator : JC/SP
 Sample : L1470-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 12 05:43:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	438789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	688979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	646709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345099	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	253236	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	5.49	113	207805	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	822872	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	302293	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

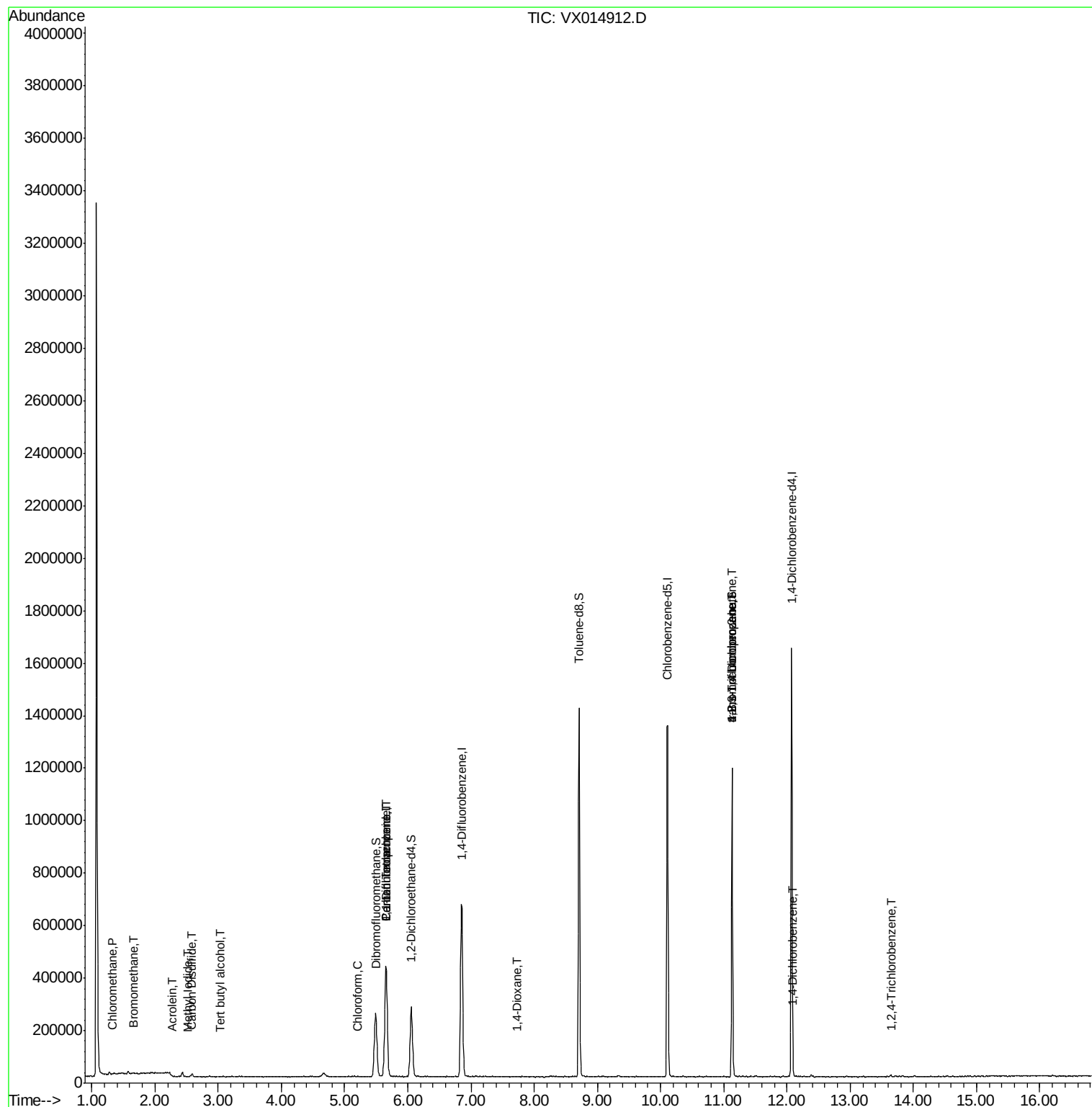
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1010	0.214	ug/l #	42
5) Bromomethane	1.66	94	1634	0.497	ug/l #	68
10) Methyl Iodide	2.51	142	1993	4.765	ug/l #	78
11) Tert butyl alcohol	3.03	59	195	0.223	ug/l #	72
13) Acrolein	2.27	56	182	0.273	ug/l #	15
16) Acetone	2.44	43	18771	Below Cal		96
17) Carbon Disulfide	2.57	76	2908	0.259	ug/l #	93
30) Chloroform	5.20	83	2433	0.319	ug/l	91
36) 1,1-Dichloropropene	5.65	75	29220	4.741	ug/l #	53
38) Carbon Tetrachloride	5.65	117	39459	6.570	ug/l #	16
49) 1,4-Dioxane	7.73	88	213	2.183	ug/l #	7
76) 1,2,3-Trichloropropane	11.13	75	152375	24.417	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	152375	62.500	ug/l #	12
88) 1,4-Dichlorobenzene	12.10	146	2223	0.201	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.64	180	1800	0.229	ug/l	93

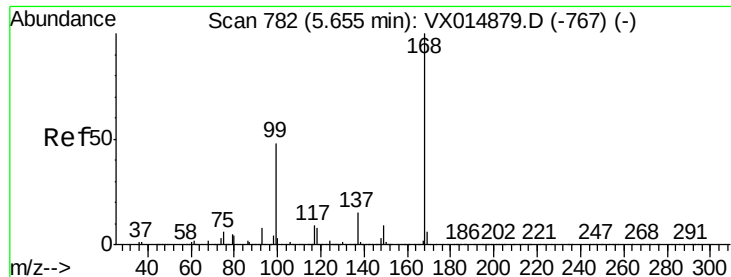
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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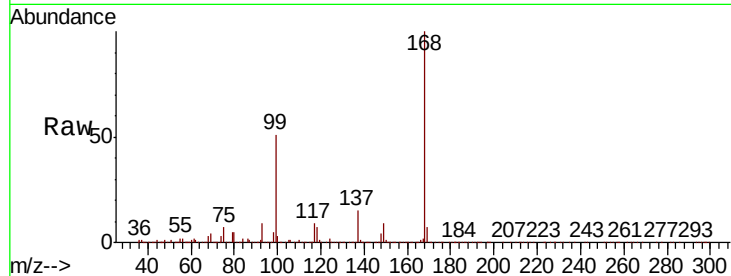


#1

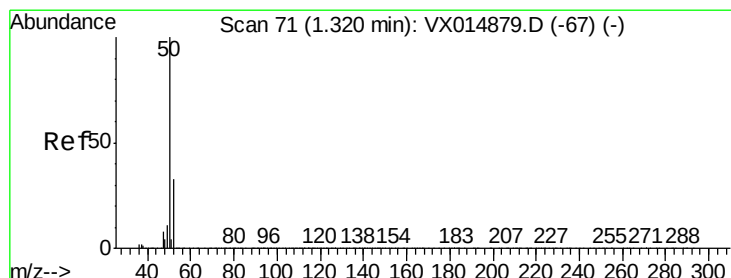
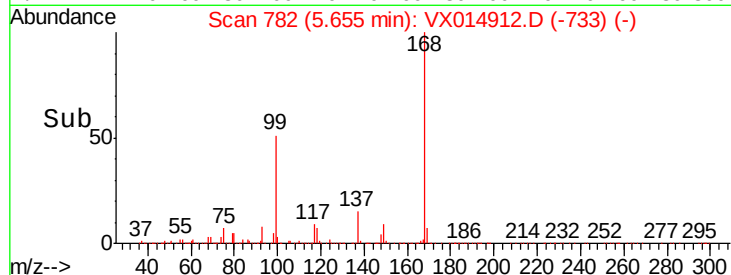
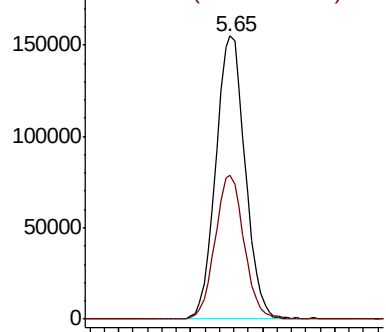
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 438789
 Ion Ratio Lower Upper
 168 100
 99 50.6 38.7 58.1



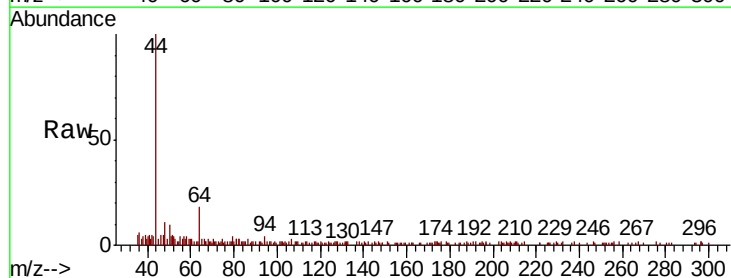
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



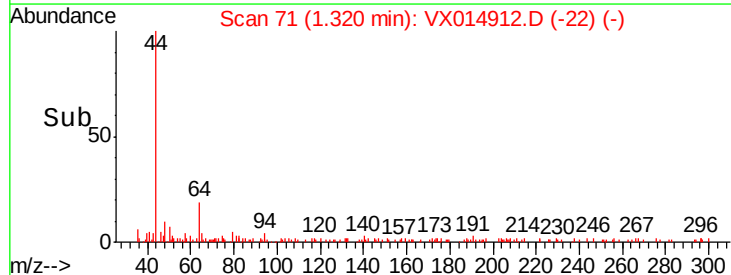
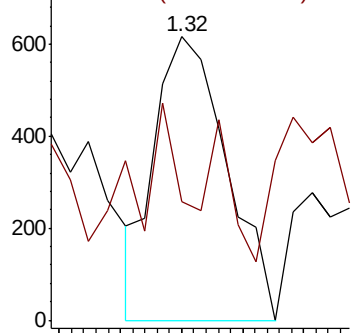
#3

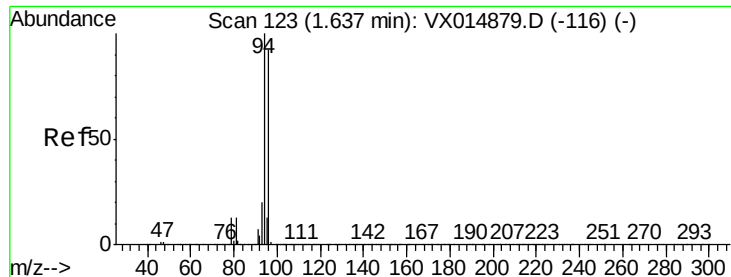
Chloromethane
 Concen: 0.214 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

Tgt Ion: 50 Resp: 1010
 Ion Ratio Lower Upper
 50 100
 52 0.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.497 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX014912.D

Acq: 11 Feb 2020 13:32

Instrument :

MSVOA_X

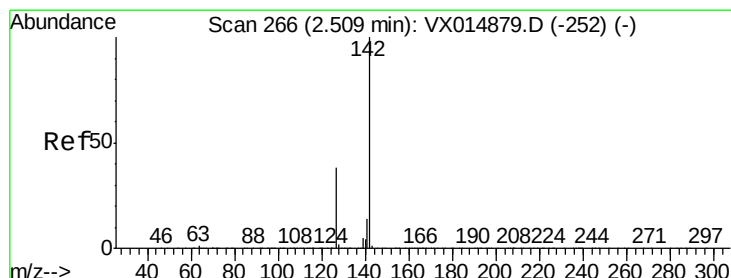
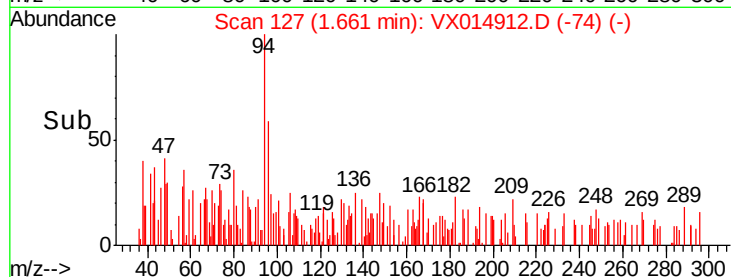
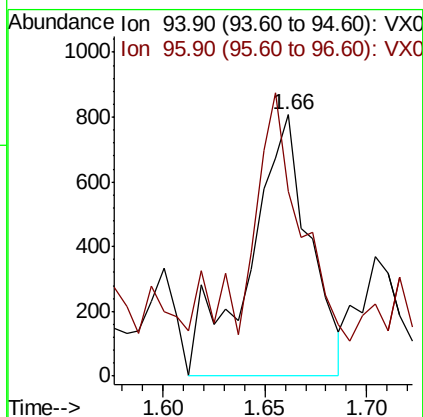
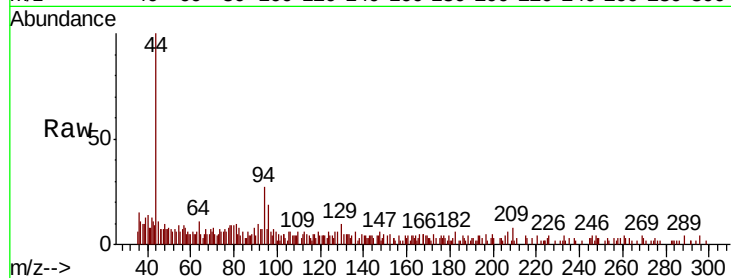
ClientSampled :

Tot Ion: 94 Resp: 1634

Ion Ratio Lower Upper

94 100

96 61.3 73.7 110.5#



#10

Methyl Iodide

Concen: 4.765 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014912.D

Acq: 11 Feb 2020 13:32

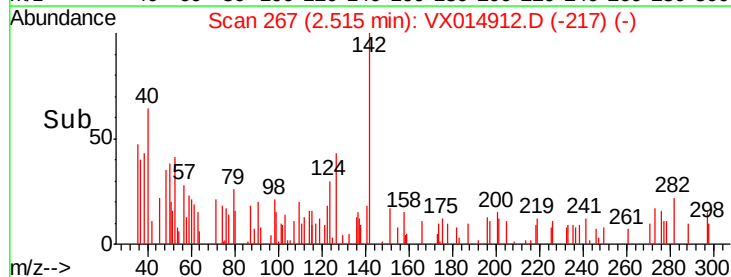
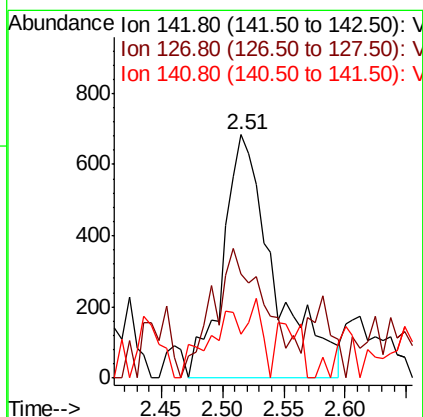
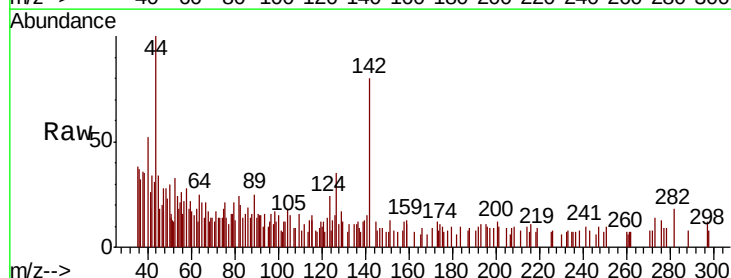
Tgt Ion: 142 Resp: 1993

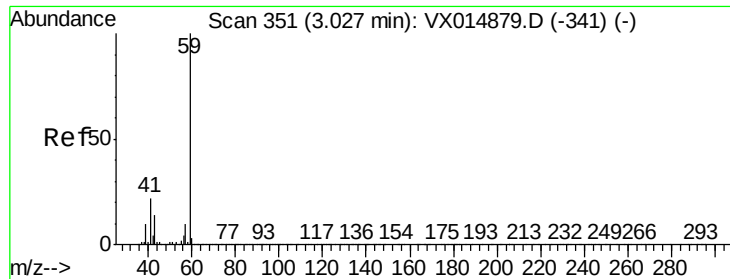
Ion Ratio Lower Upper

142 100

127 55.4 31.1 46.7#

141 17.9 11.3 16.9#



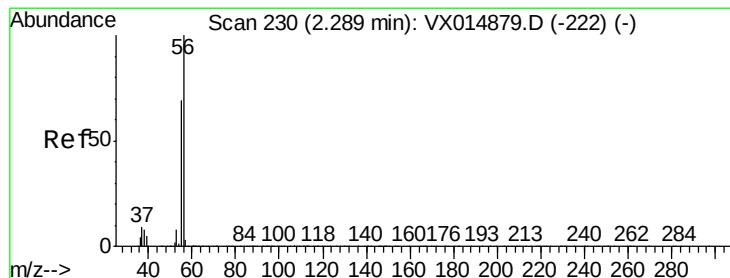
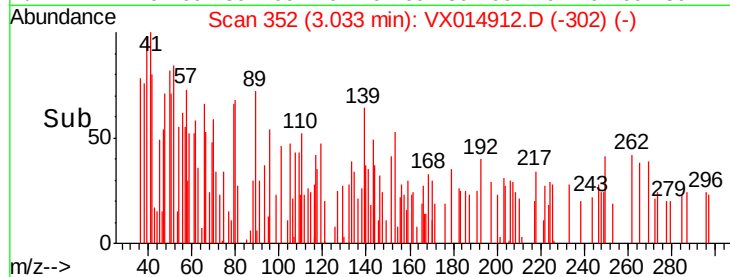
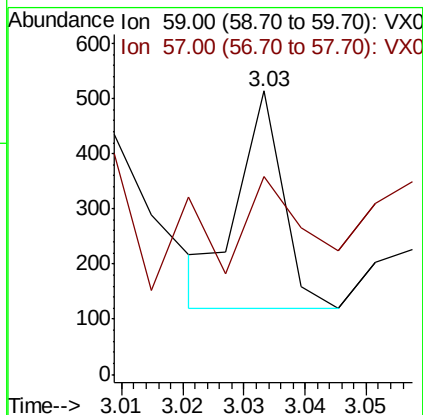
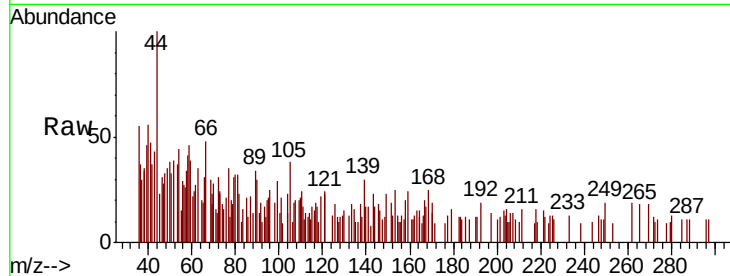


#11

Tert butyl alcohol
Concen: 0.223 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Instrument :
MSVOA_X
ClientSampled :

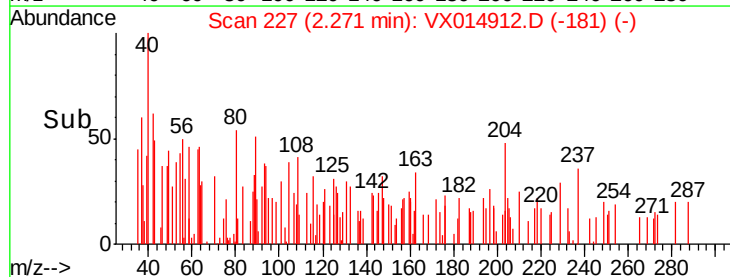
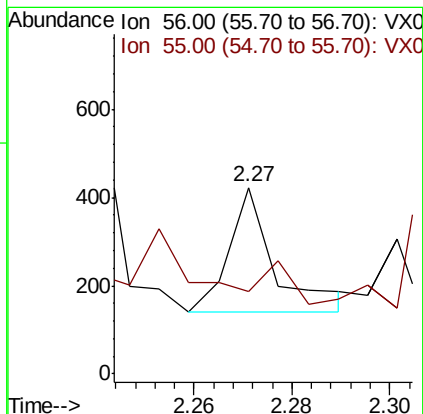
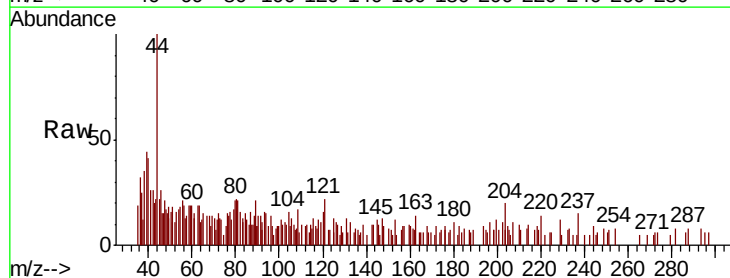
Tot Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

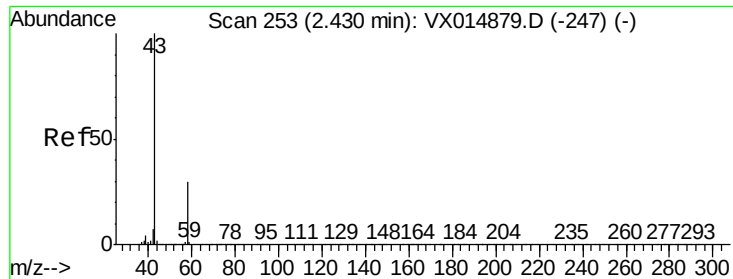


#13

Acrolein
Concen: 0.273 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.02 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#

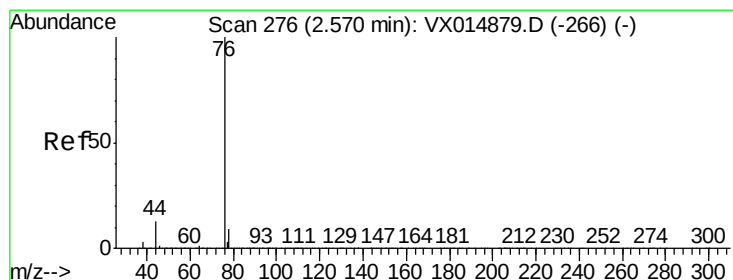
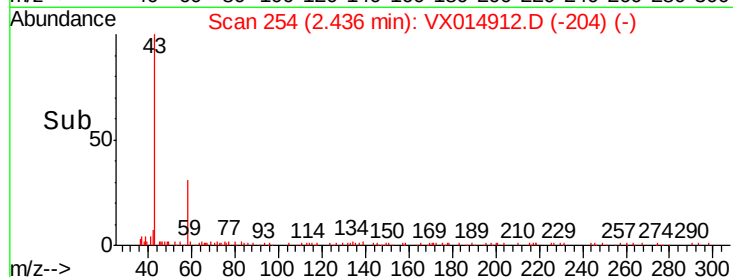
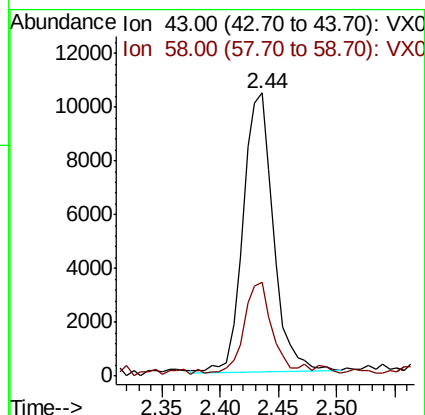
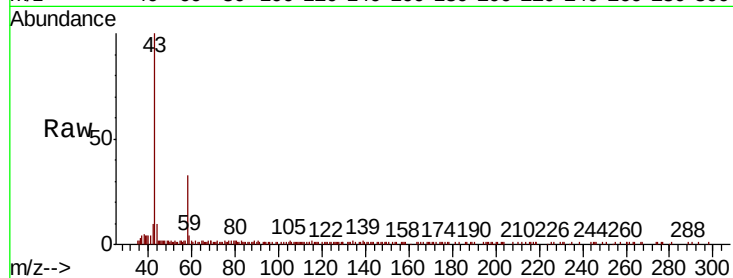




#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

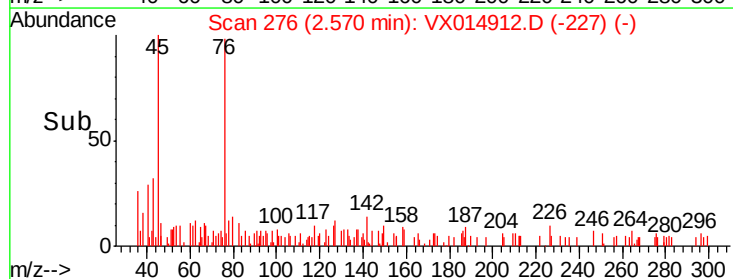
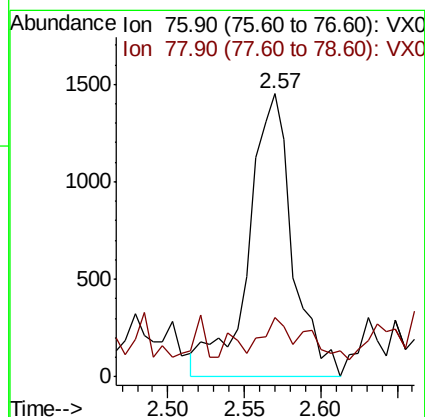
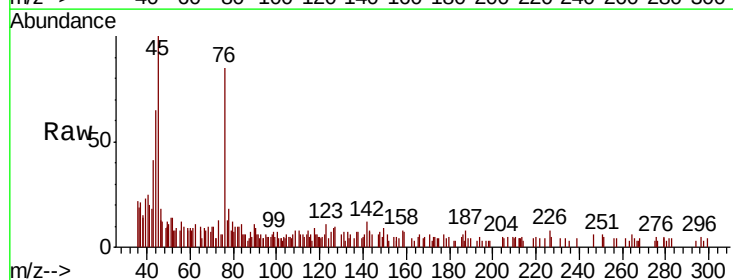
Instrument :
MSVOA_X
ClientSampleId :

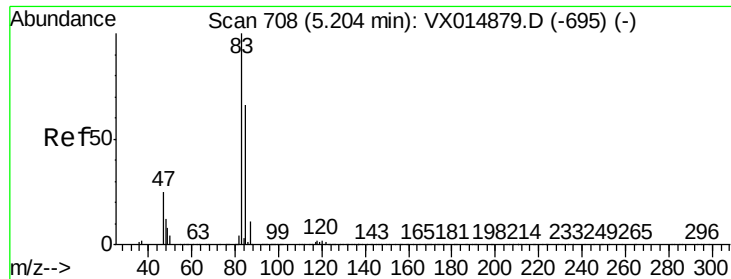
Tot Ion: 43 Resp: 18771
Ion Ratio Lower Upper
43 100
58 32.4 24.1 36.1



#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Tgt Ion: 76 Resp: 2908
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.0#

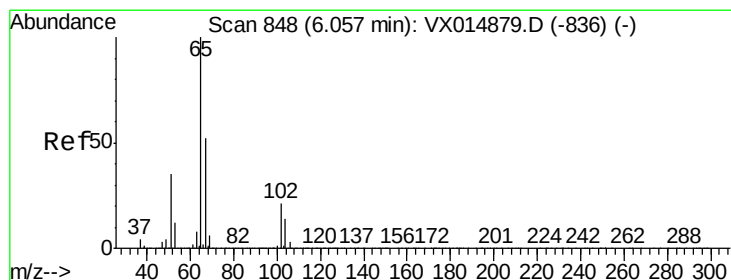
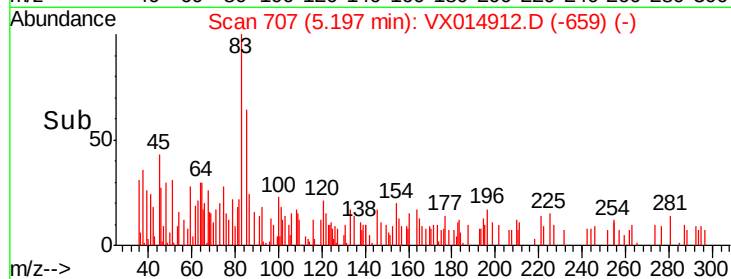
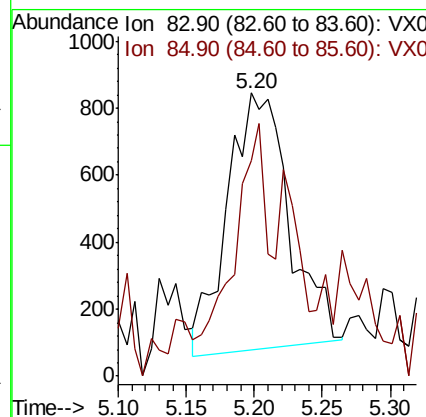
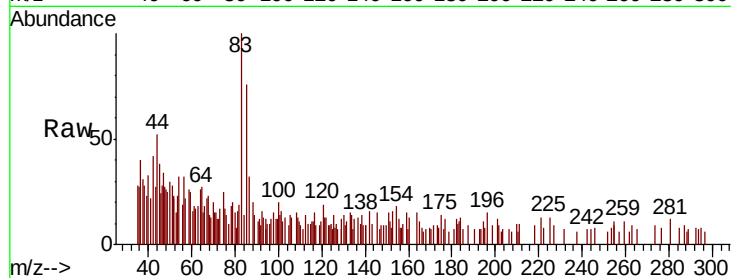




#30
Chloroform
Concen: 0.319 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

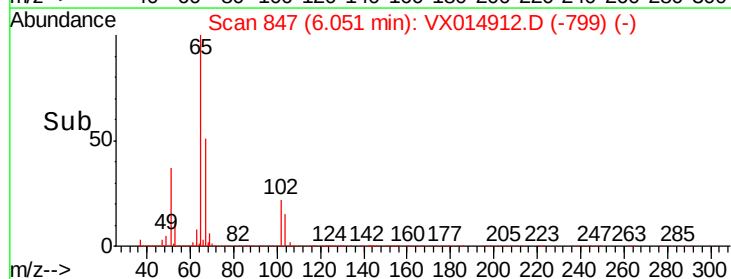
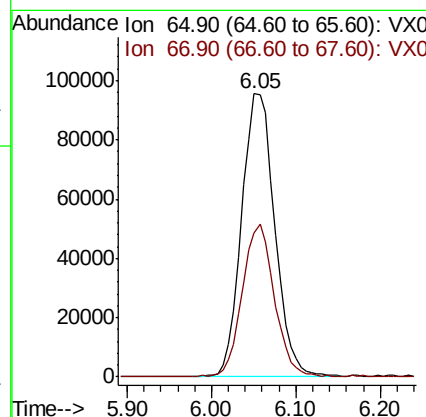
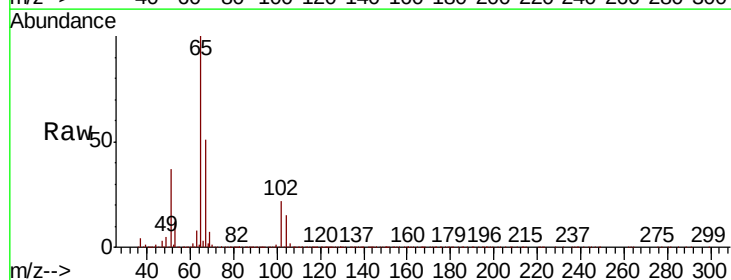
Instrument :
MSVOA_X
ClientSampled :

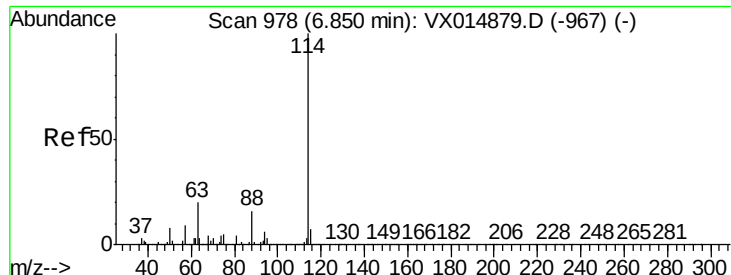
Tot Ion: 83 Resp: 2433
Ion Ratio Lower Upper
83 100
85 73.2 52.9 79.3



#33
1,2-Dichloroethane-d4
Concen: 51.137 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Tgt Ion: 65 Resp: 253236
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0

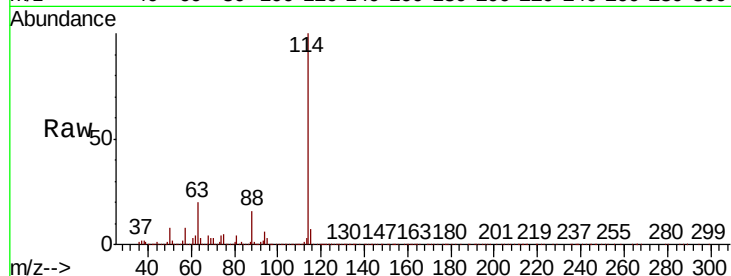




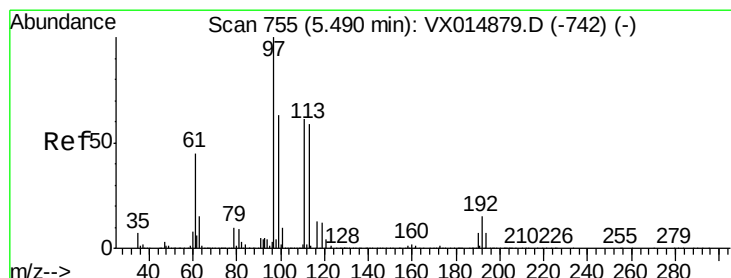
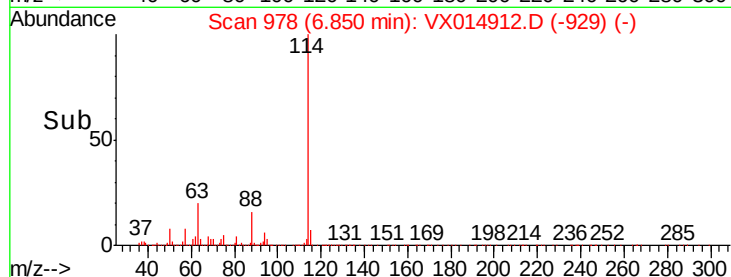
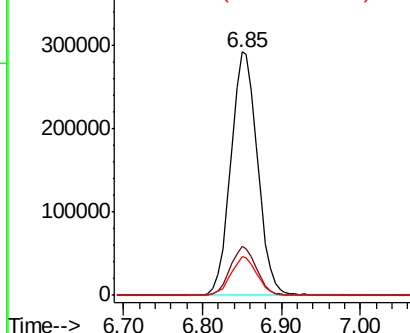
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.2
88	15.9	0.0	32.0

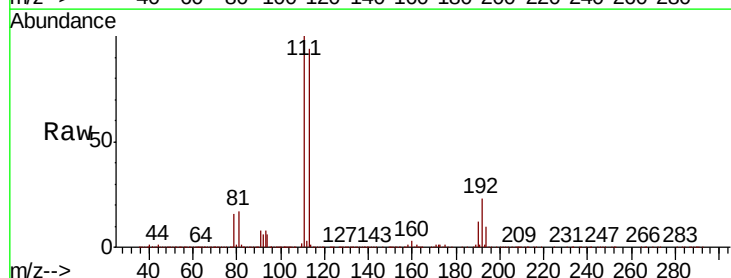


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

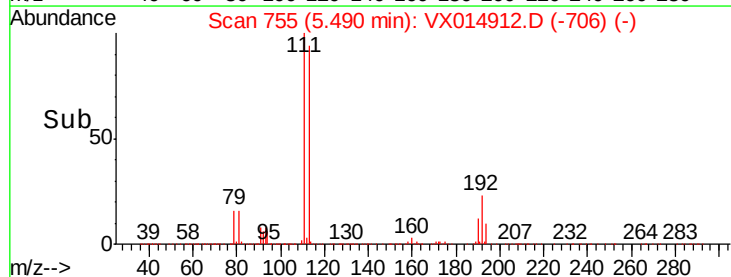
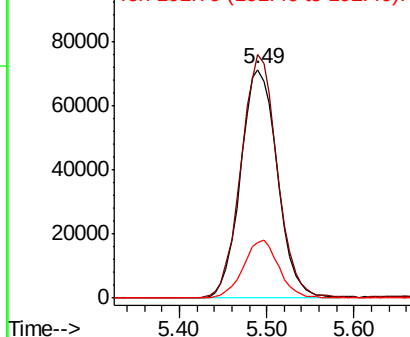


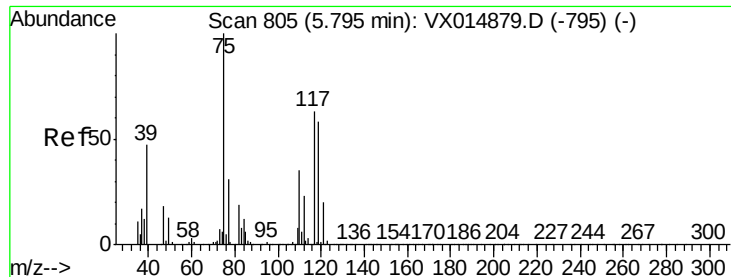
#35
Dibromofluoromethane
Concen: 49.061 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.4	123.6
192	24.5	19.1	28.7



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

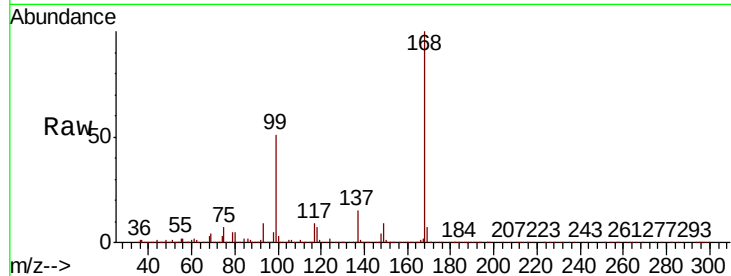




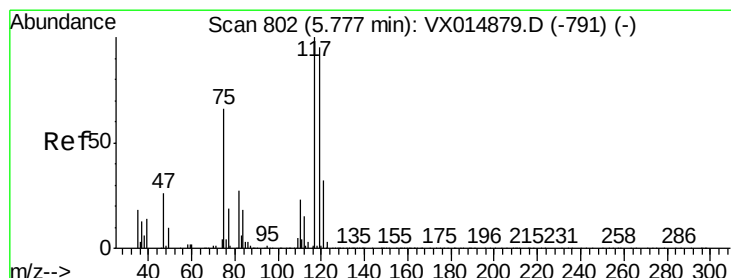
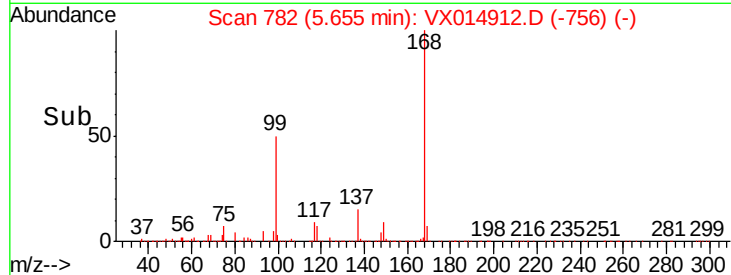
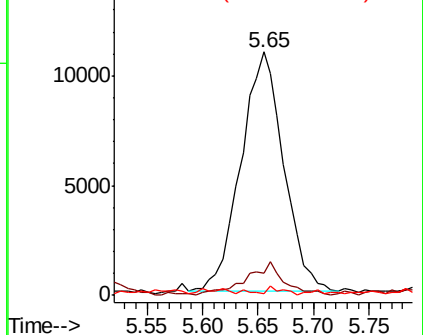
#36
 1,1-Dichloropropene
 Concen: 4.741 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	12.5	18.3	54.8#
77	1.3	24.6	36.8#

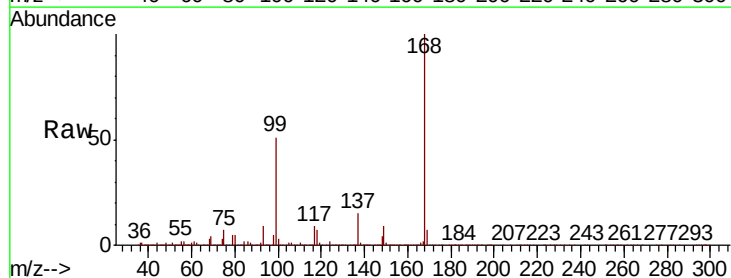


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

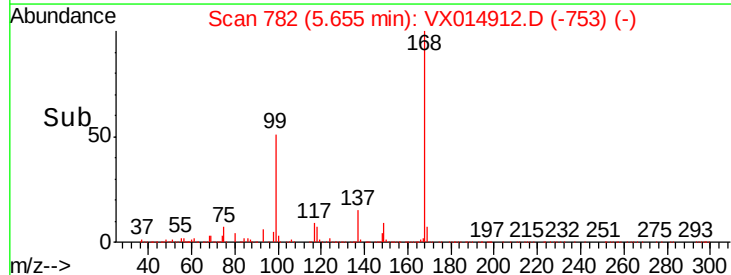
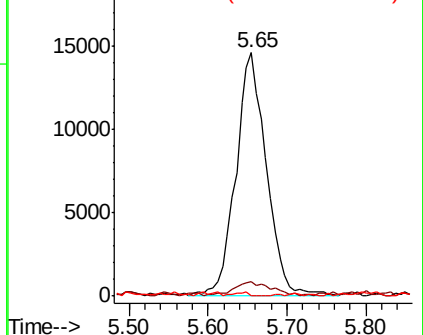


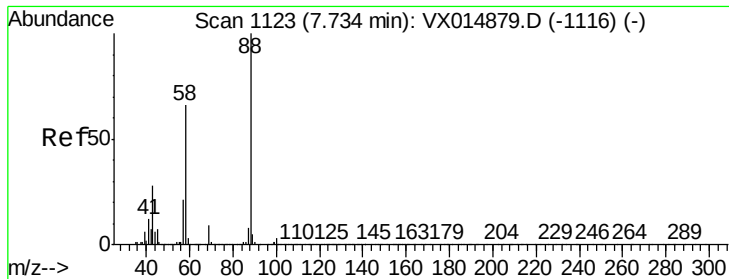
#38
 Carbon Tetrachloride
 Concen: 6.570 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.0	114.0#
121	0.0	25.4	38.2#



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

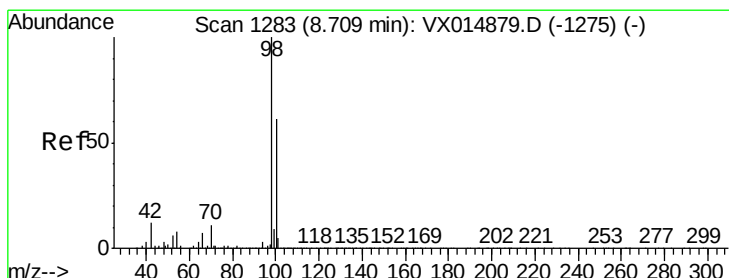
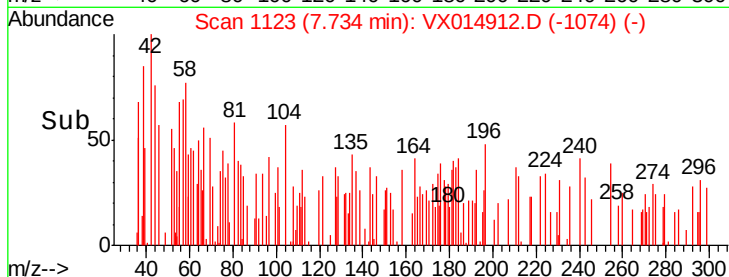
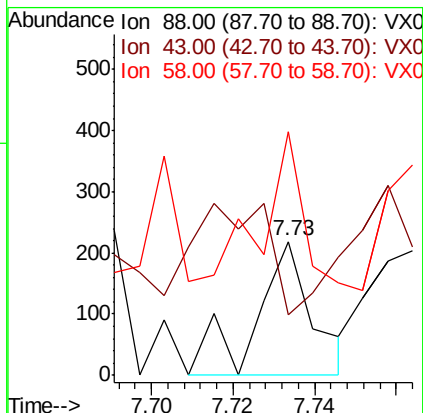
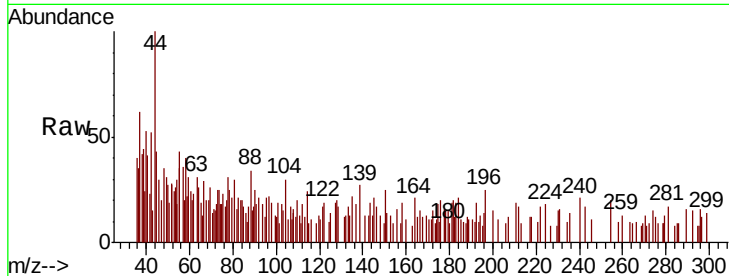




#49
1,4-Dioxane
Concen: 2.183 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

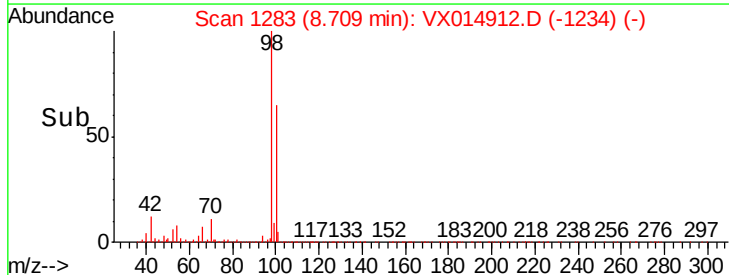
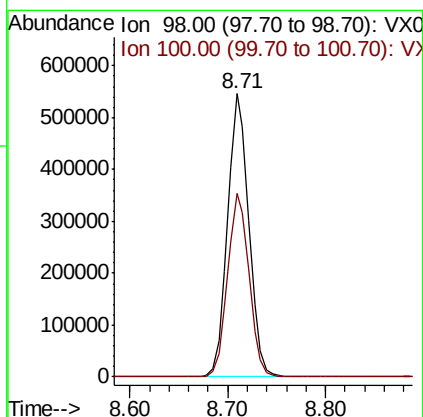
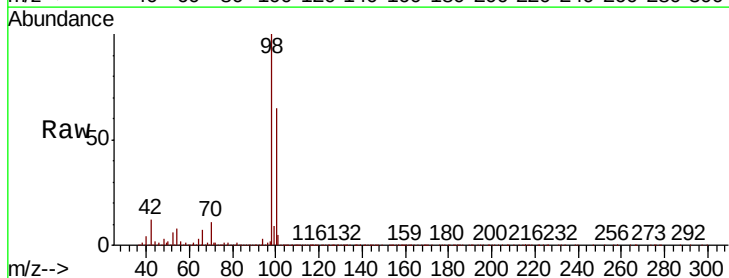
Instrument :
MSVOA_X
ClientSampleId :

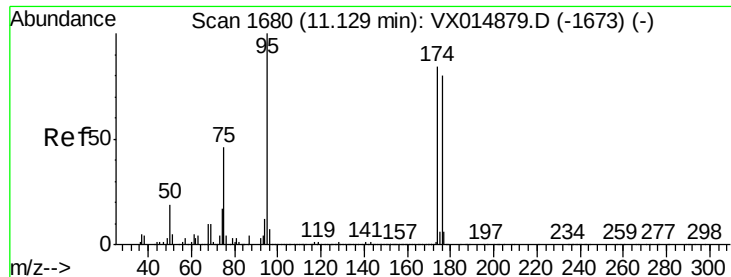
Tot Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 154.9 53.2 79.8#



#50
Toluene-d8
Concen: 50.895 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Tgt Ion: 98 Resp: 822872
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

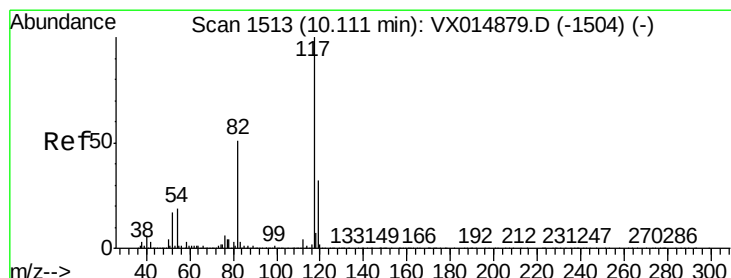
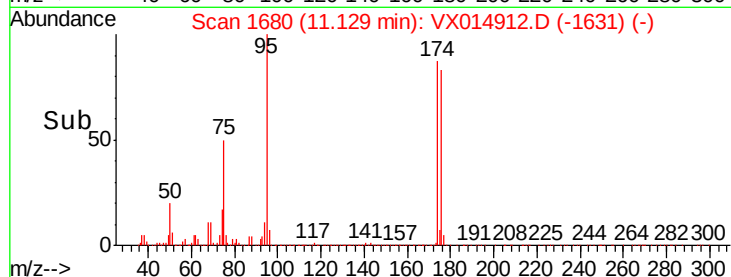
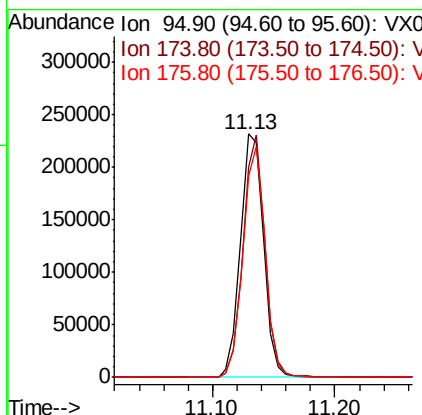
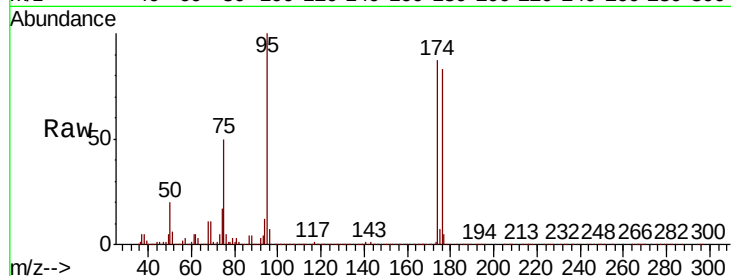




#62
4-Bromofluorobenzene
Concen: 51.903 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

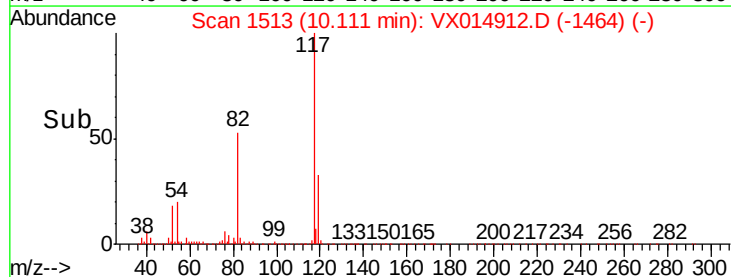
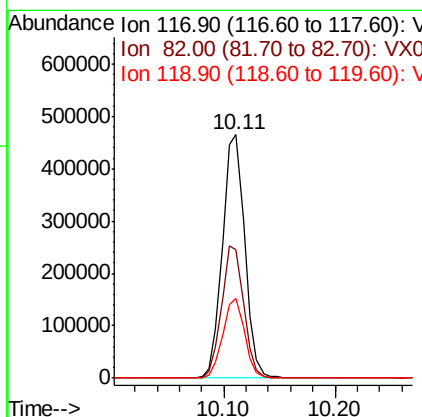
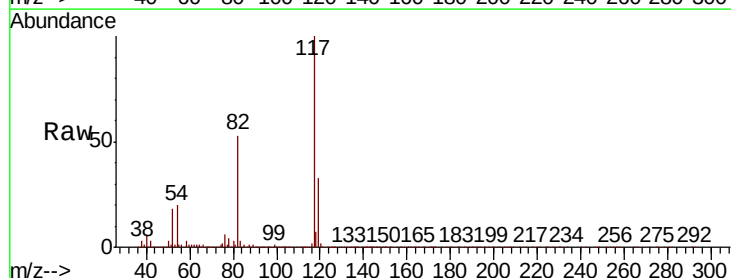
Instrument :
MSVOA_X
ClientSampleId :

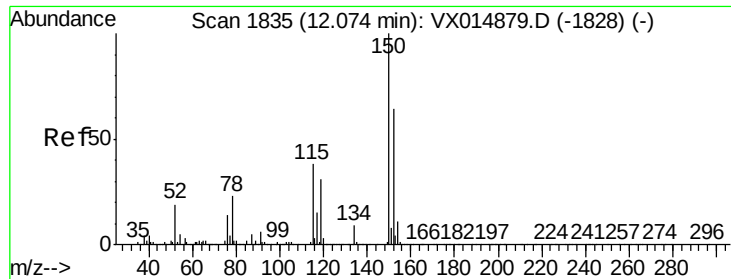
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	183.0
176	91.3	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014912.D
Acq: 11 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	40.5	60.7
119	32.9	25.8	38.6

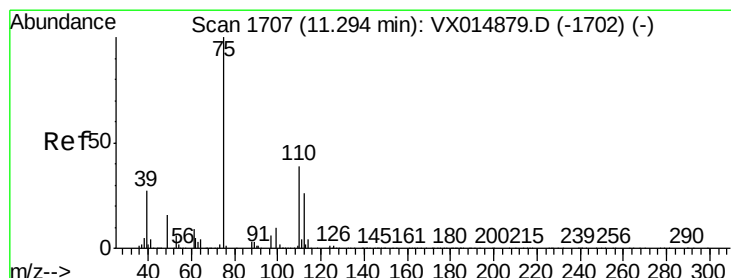
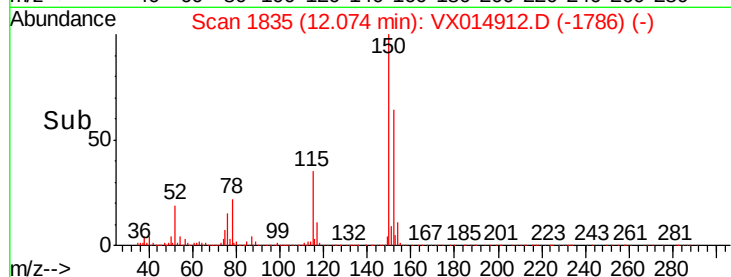
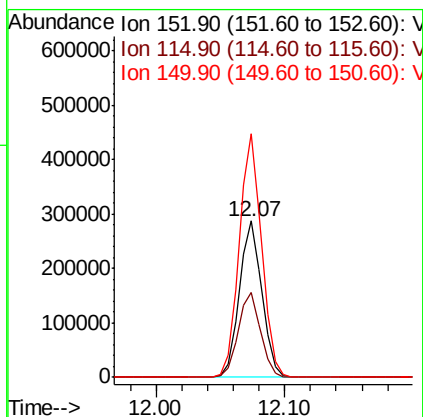
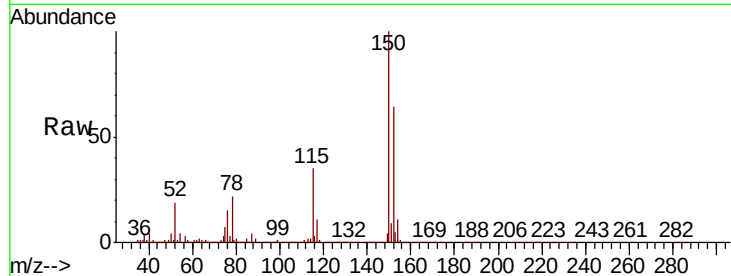




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

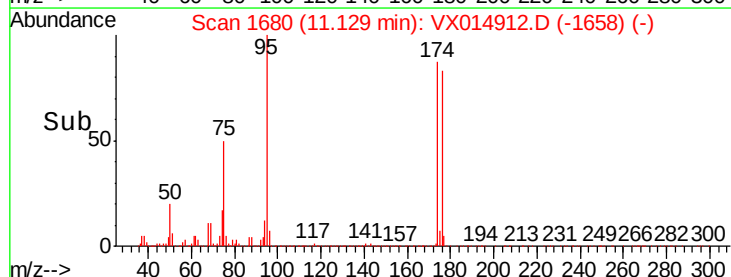
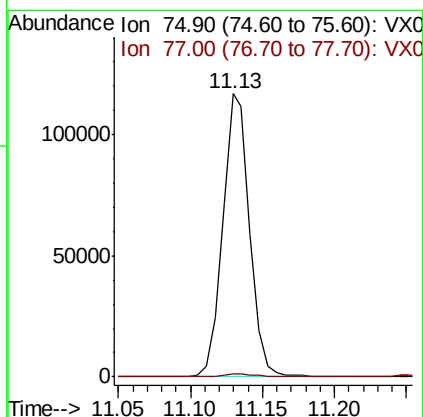
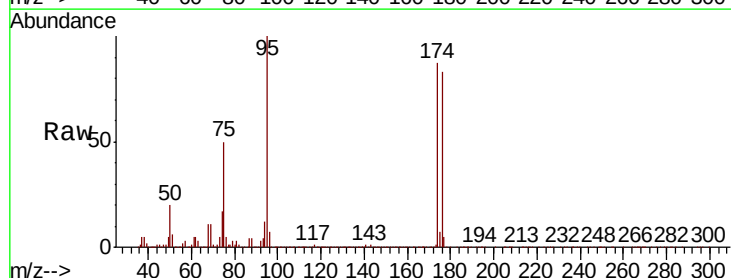
Instrument :
 MSVOA_X
 ClientSampled :

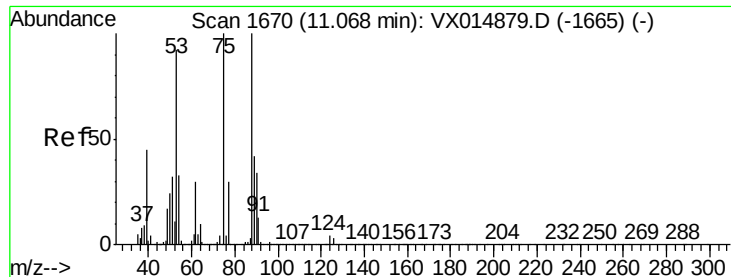
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	38.6	116.0
150	155.5	0.0	349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.417 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.4	55.0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.500 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014912.D

Acq: 11 Feb 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

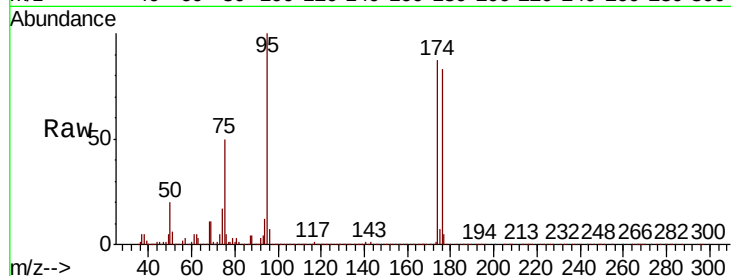
Tot Ion: 75 Resp: 152375

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

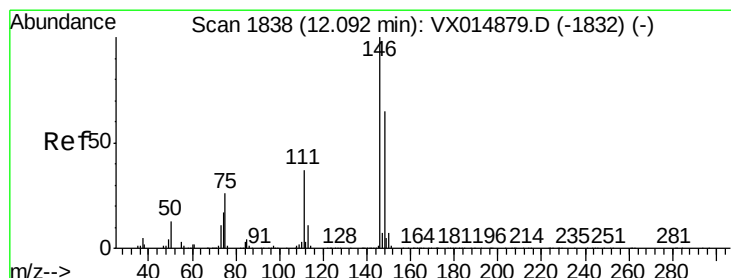
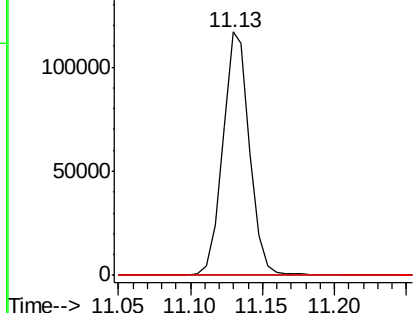
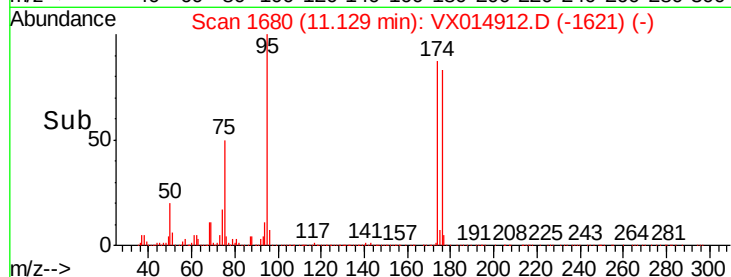
89 0.1 35.8 53.6#



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: 0.201 ug/l

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX014912.D

Acq: 11 Feb 2020 13:32

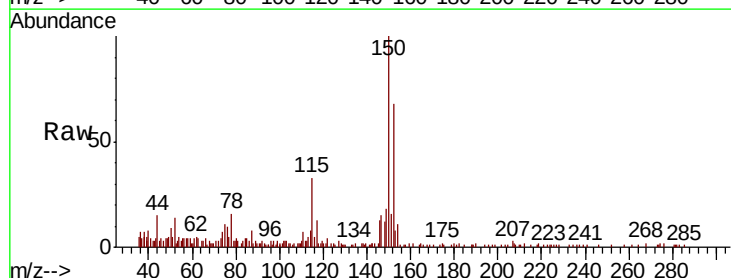
Tgt Ion: 146 Resp: 2223

Ion Ratio Lower Upper

146 100

111 0.0 18.6 55.6#

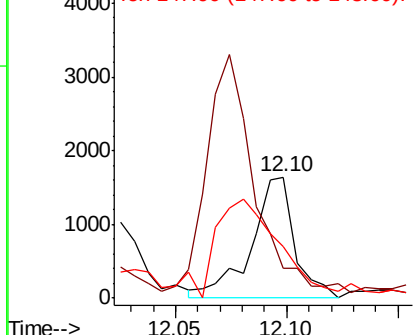
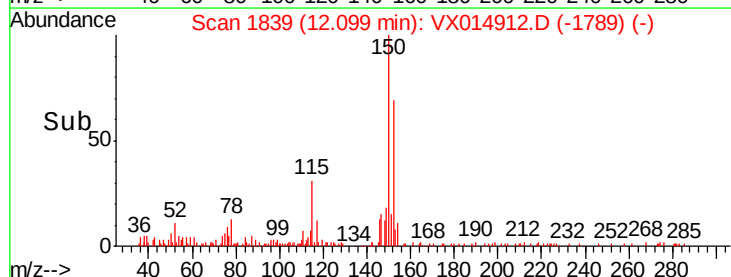
148 0.0 32.4 97.0#

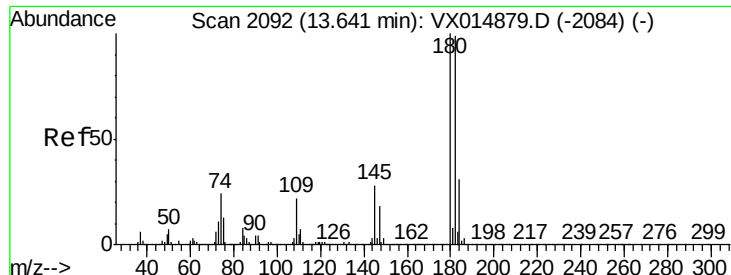


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

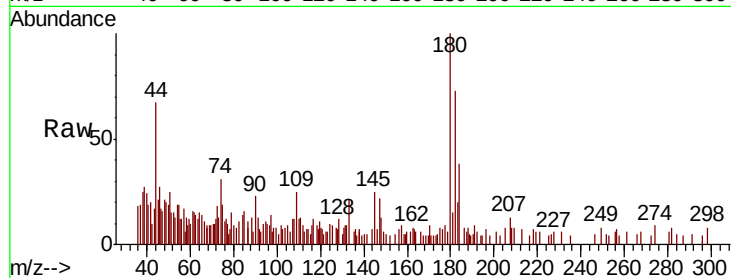




#93
 1,2,4-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014912.D
 Acq: 11 Feb 2020 13:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.8	48.4	145.3
145	36.4	14.1	42.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

