

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX121820\
 Data File : VX020125.D
 Acq On : 18 Dec 2020 14:37
 Operator : JC/MD
 Sample : L5140-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER-SAMPLE-1

Quant Time: Dec 18 14:58:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

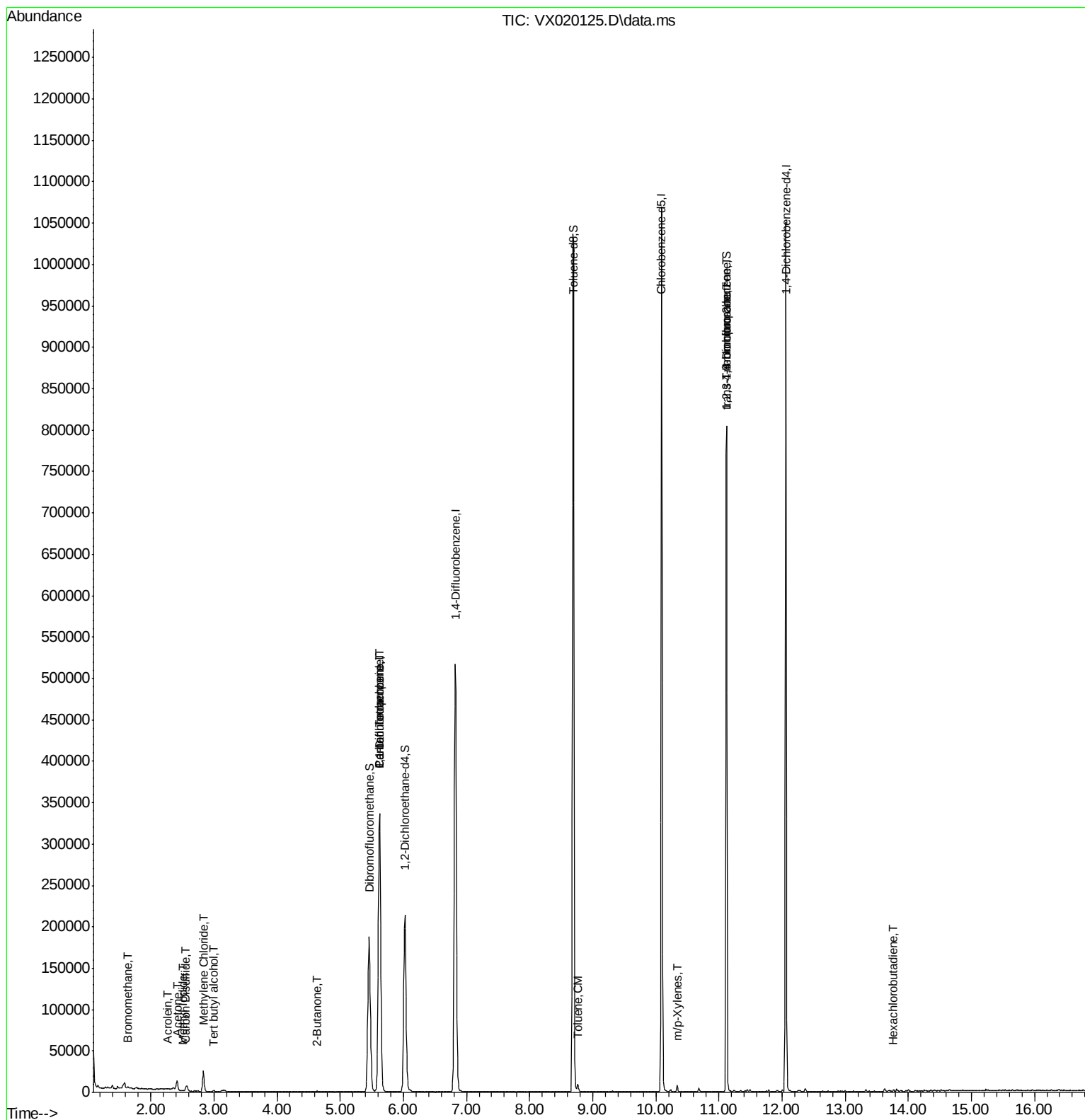
Internal Standards						
1) Pentafluorobenzene	5.623	168	317790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	531723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	479142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	211465	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	200463	47.06	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.12%		
35) Dibromofluoromethane	5.458	113	162627	47.81	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.62%		
50) Toluene-d8	8.696	98	631988	48.27	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.54%		
62) 4-Bromofluorobenzene	11.122	95	228477	45.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.18%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	1016	0.73	ug/l	98
10) Methyl Iodide	2.502	142	751	3.45	ug/l #	92
11) Tert butyl alcohol	2.995	59	798	0.84	ug/l #	73
13) Acrolein	2.270	56	190	0.32	ug/l #	14
16) Acetone	2.416	43	11438	5.89	ug/l	96
17) Carbon Disulfide	2.550	76	2661	0.28	ug/l #	91
20) Methylene Chloride	2.831	84	11564	2.64	ug/l	98
25) 2-Butanone	4.635	43	1172	0.41	ug/l #	77
36) 1,1-Dichloropropene	5.623	75	24696	4.70	ug/l #	48
38) Carbon Tetrachloride	5.623	117	31011	6.20	ug/l #	16
52) Toluene	8.763	92	3149	0.32	ug/l	94
68) m/p-Xylenes	10.342	106	1793	0.27	ug/l	91
76) 1,2,3-Trichloropropane	11.116	75	109482	21.02	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	109482	62.36	ug/l #	12
94) Hexachlorobutadiene	13.762	225	263	2.77	ug/l	83

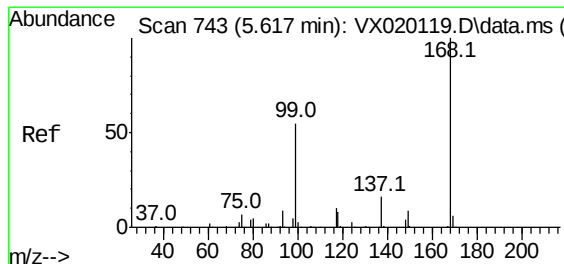
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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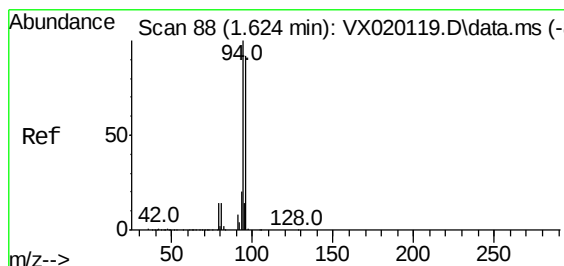
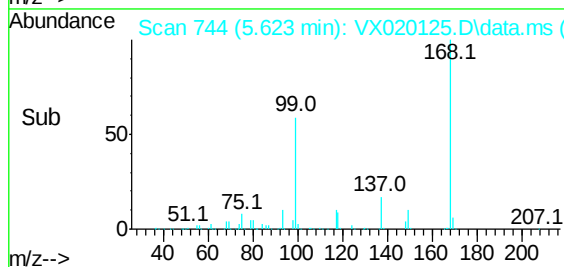
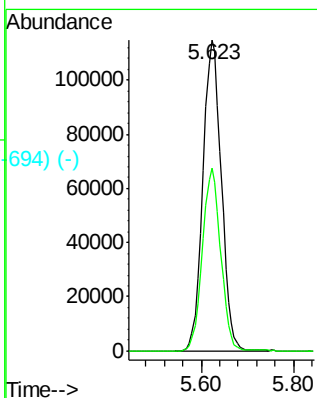
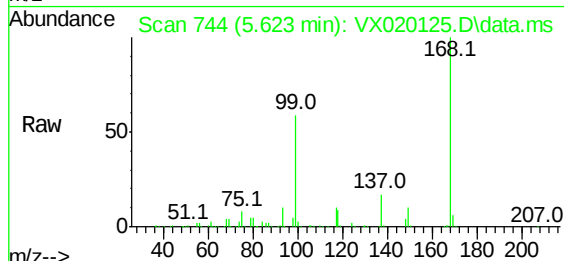




Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.623 min Scan# 744
 Delta R.T. 0.006 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

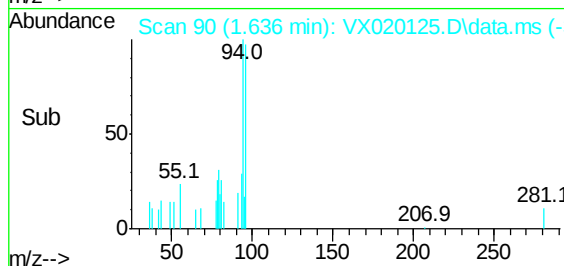
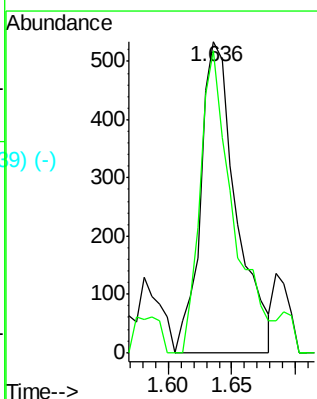
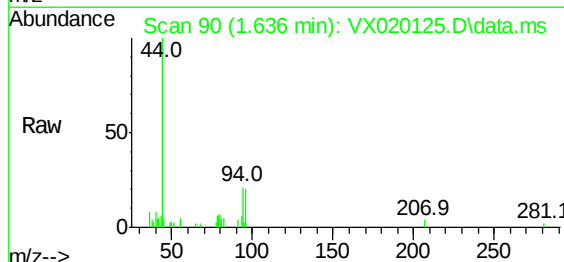
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER-SAMPLE-1

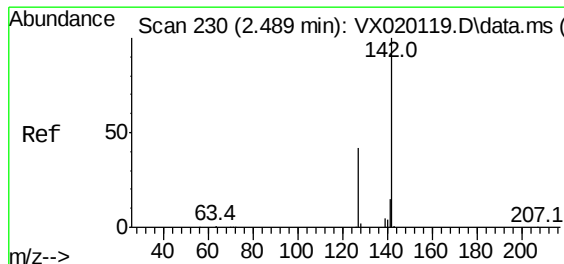
Tgt Ion:168 Resp: 317790
 Ion Ratio Lower Upper
 168 100
 99 59.0 45.8 68.6



Bromomethane
 Concen: 0.73 ug/l
 RT: 1.636 min Scan# 90
 Delta R.T. 0.012 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

Tgt Ion: 94 Resp: 1016
 Ion Ratio Lower Upper
 94 100
 96 97.0 76.4 114.6

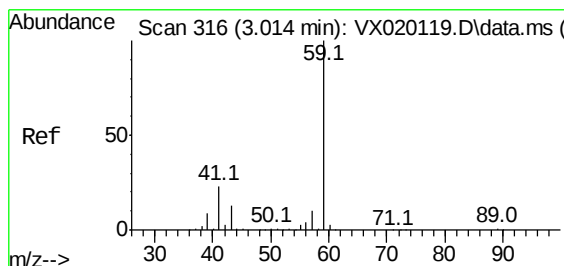
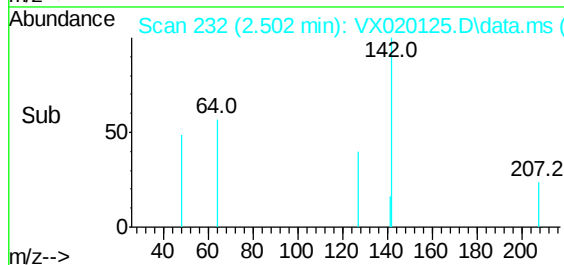
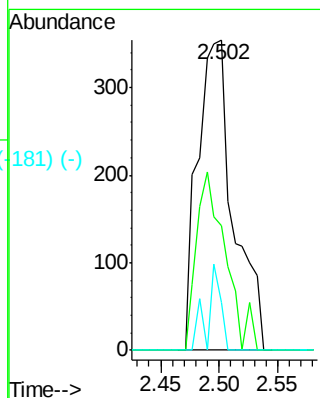
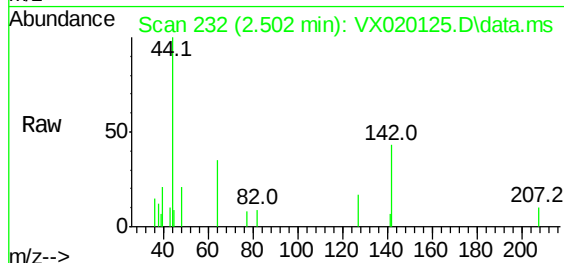




Methyl Iodide
Concen: 3.45 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

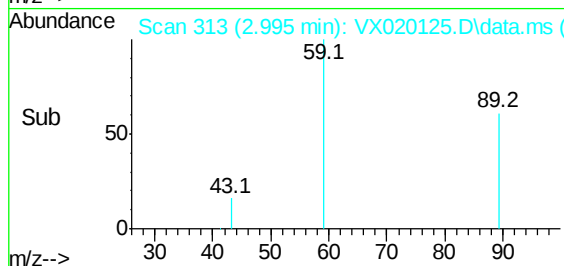
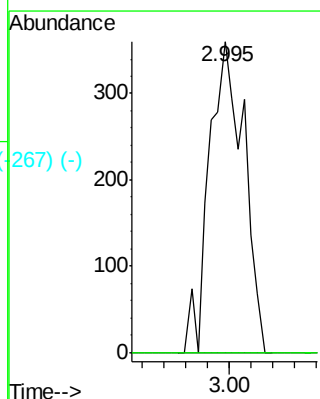
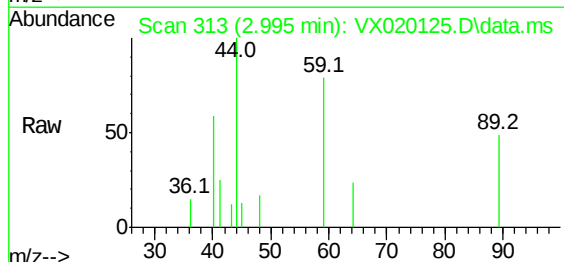
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER-SAMPLE-1

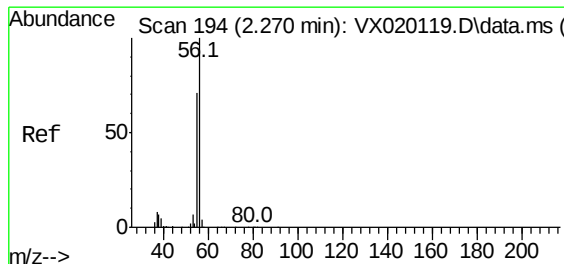
Tgt Ion:142 Resp: 751
Ion Ratio Lower Upper
142 100
127 46.6 33.3 49.9
141 10.4 11.4 17.0#



Tert butyl alcohol
Concen: 0.84 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Tgt Ion: 59 Resp: 798
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

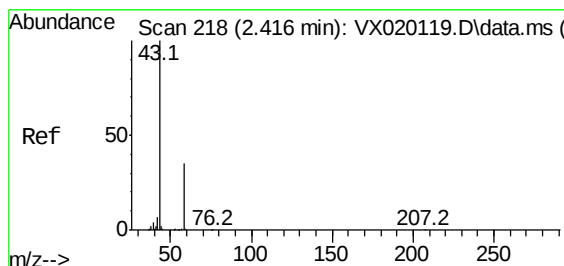
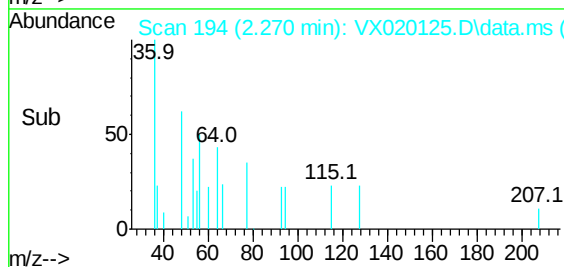
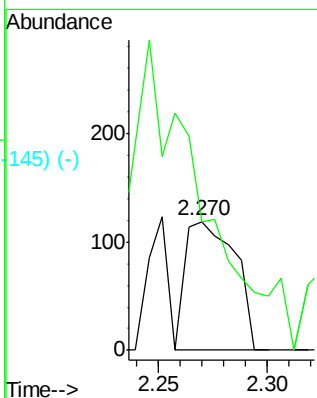
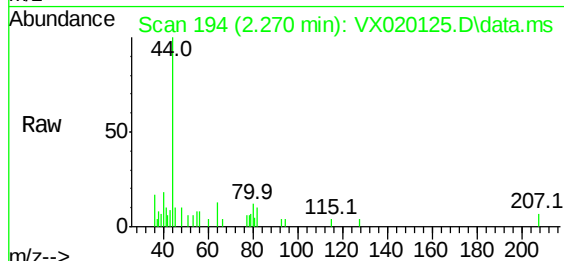




#19
Acrolein
Concen: 0.32 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

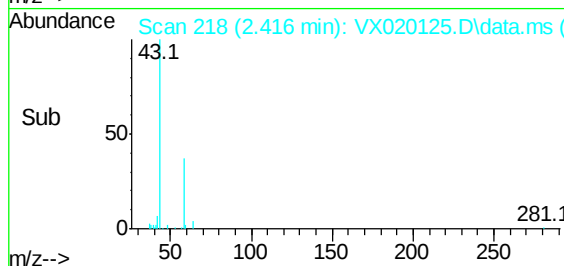
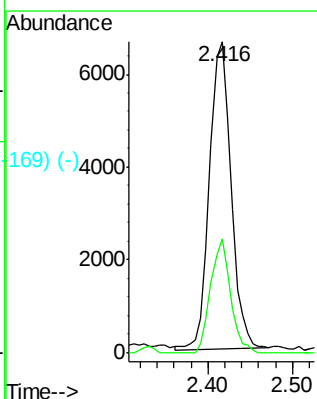
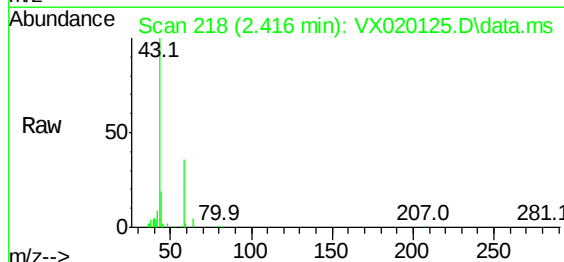
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER-SAMPLE-1

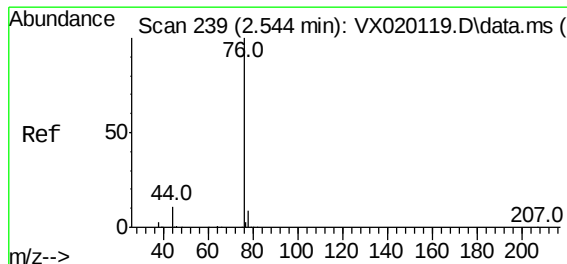
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#218
Acetone
Concen: 5.89 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Tgt Ion: 43 Resp: 11438
Ion Ratio Lower Upper
43 100
58 37.0 27.8 41.8

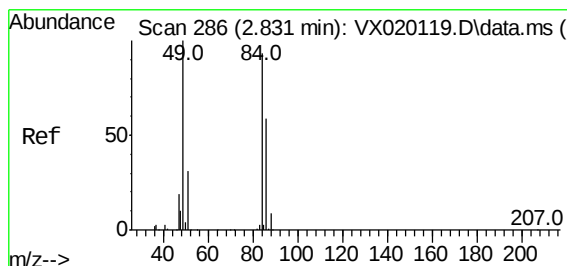
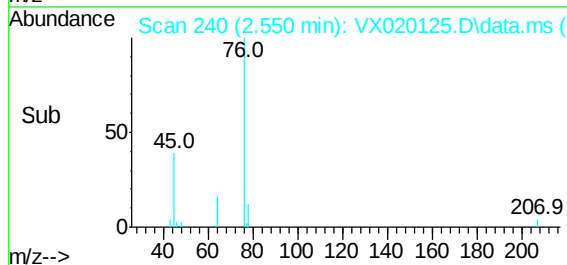
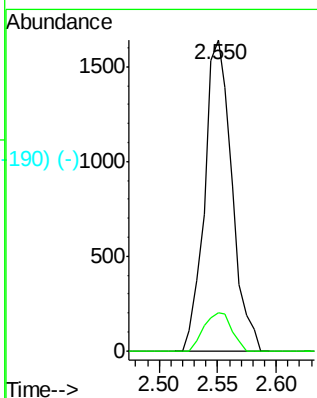
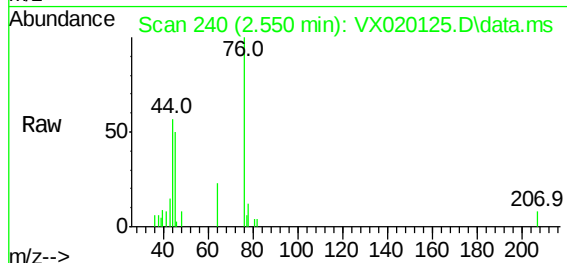




Carbon Disulfide
 Concen: 0.28 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. 0.006 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

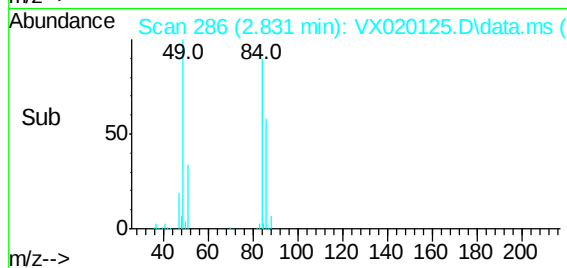
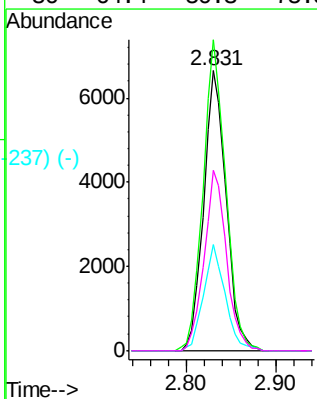
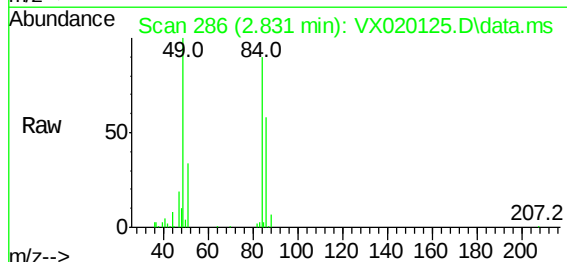
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER-SAMPLE-1

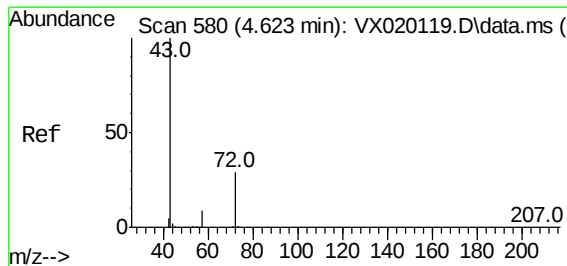
Tgt Ion: 76 Resp: 2661
 Ion Ratio Lower Upper
 76 100
 78 12.2 7.2 10.8#



Methylene Chloride
 Concen: 2.64 ug/l
 RT: 2.831 min Scan# 286
 Delta R.T. -0.000 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

Tgt Ion: 84 Resp: 11564
 Ion Ratio Lower Upper
 84 100
 49 111.1 88.6 132.8
 51 37.8 27.0 40.6
 86 64.4 50.3 75.5

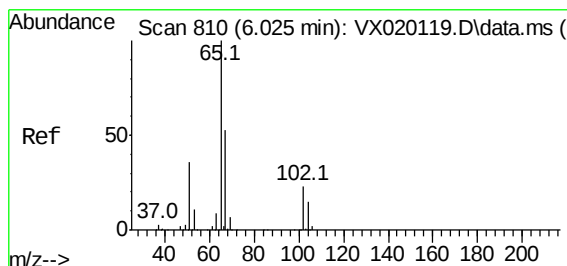
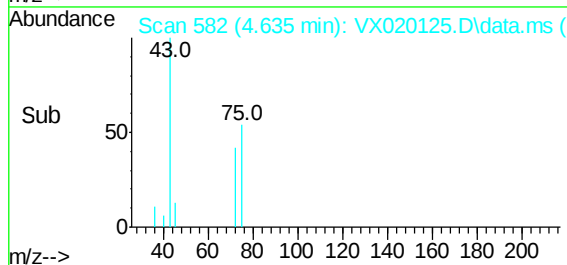
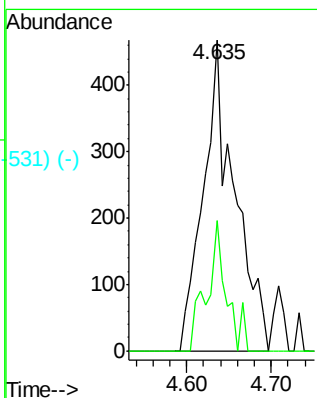
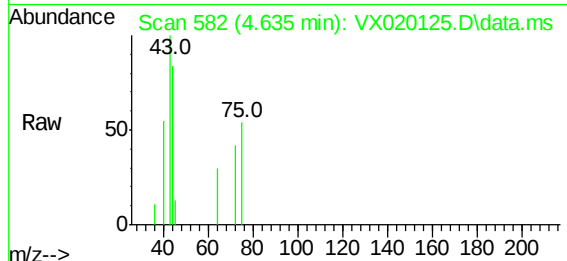




2-Butanone
Concen: 0.41 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

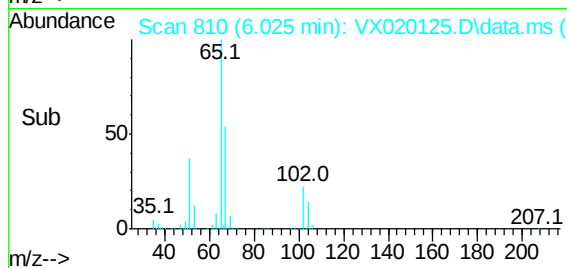
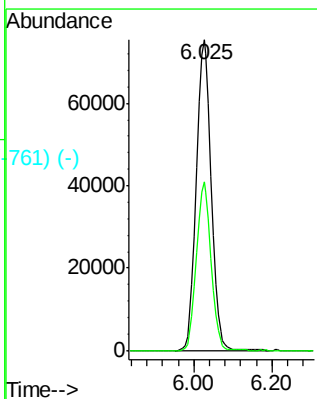
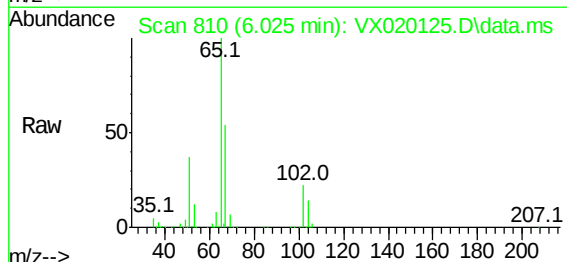
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER-SAMPLE-1

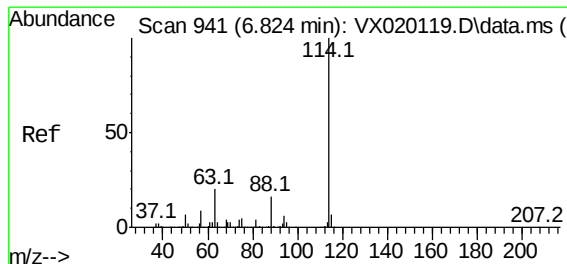
Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
72 41.9 23.7 35.5#



1,2-Dichloroethane-d4
Concen: 47.06 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Tgt Ion: 65 Resp: 200463
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4



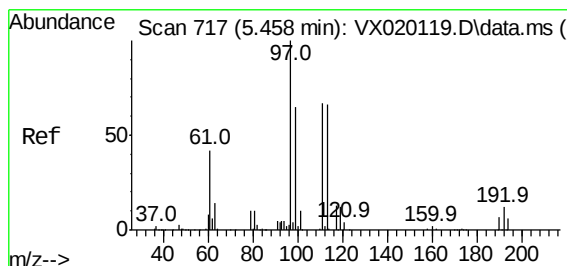
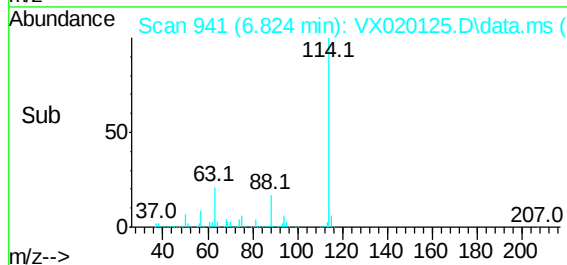
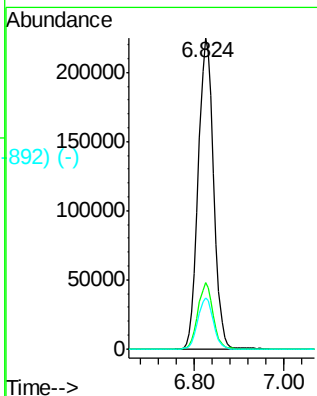
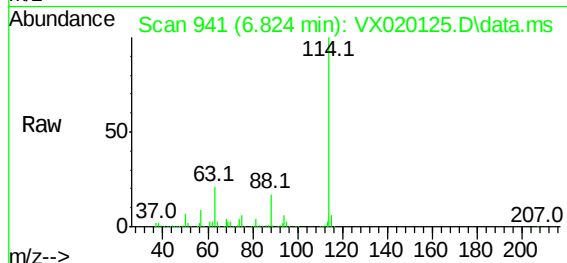


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER-SAMPLE-1

Tgt Ion:114 Resp: 531723

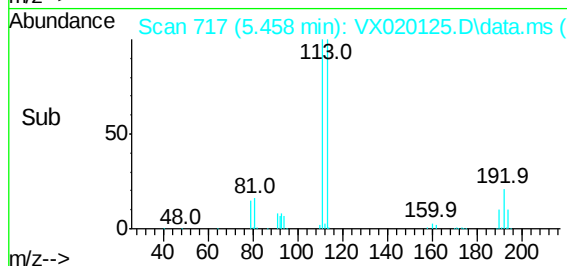
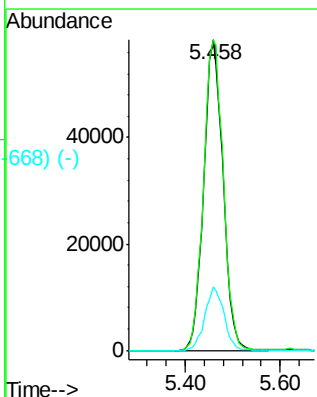
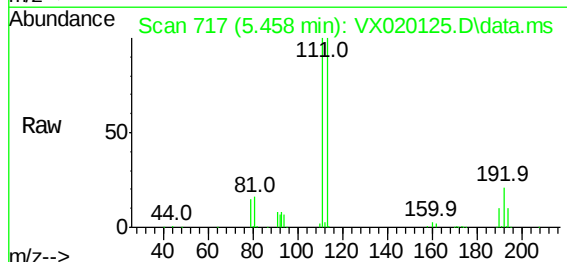
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.8
88	16.6	0.0	32.8

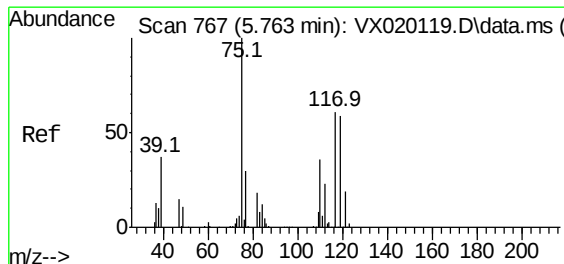


Dibromofluoromethane
Concen: 47.81 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Tgt Ion:113 Resp: 162627

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	20.1	16.7	25.1

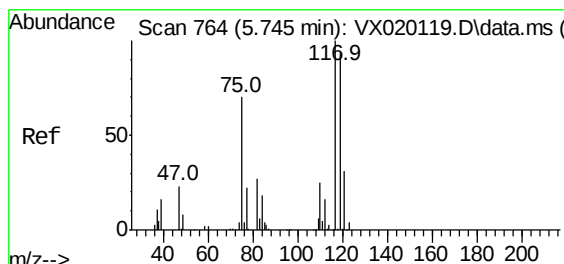
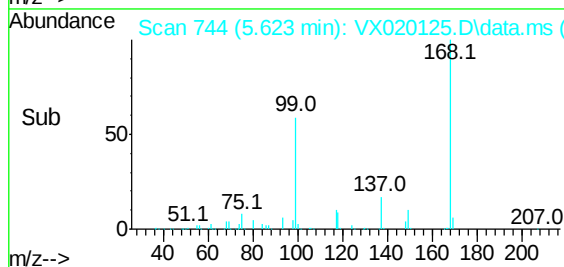
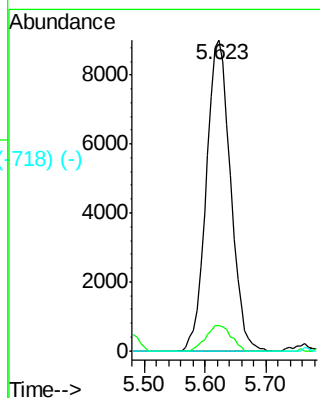
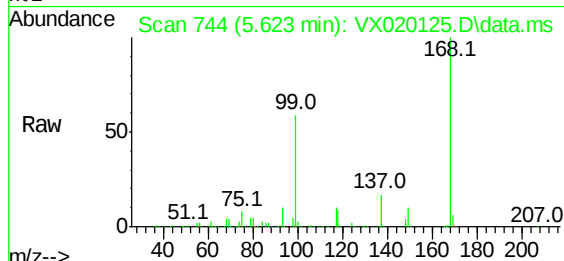




1,1-Dichloropropene
 Concen: 4.70 ug/l
 RT: 5.623 min Scan# 744
 Delta R.T. -0.140 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

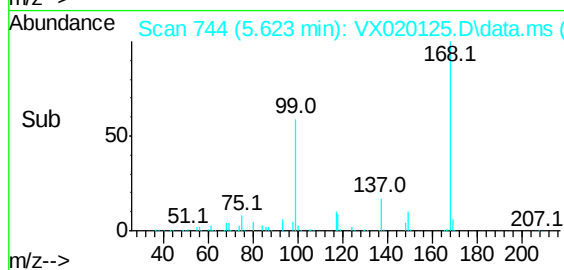
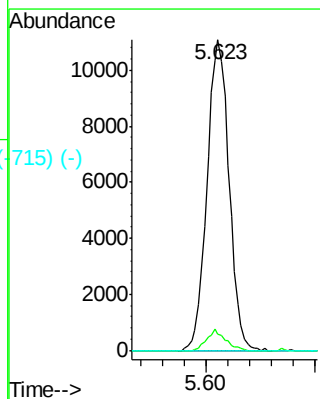
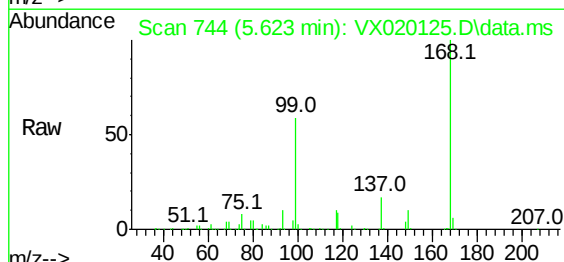
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER-SAMPLE-1

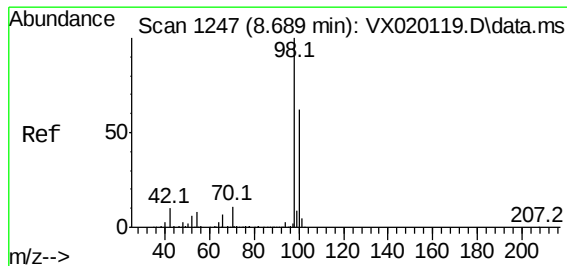
Tgt Ion:	75	Resp:	24696
Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.4#
77	0.0	25.3	37.9#



Carbon Tetrachloride
 Concen: 6.20 ug/l
 RT: 5.623 min Scan# 744
 Delta R.T. -0.122 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

Tgt Ion:	117	Resp:	31011
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.2	114.2#
121	0.0	24.8	37.2#

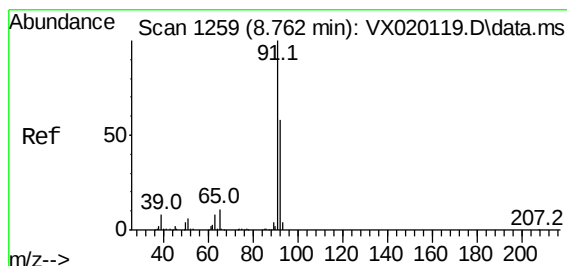
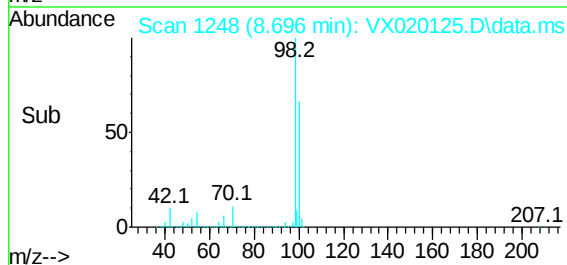
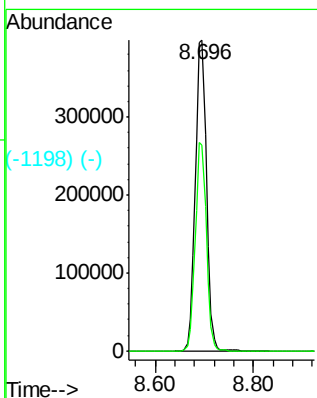
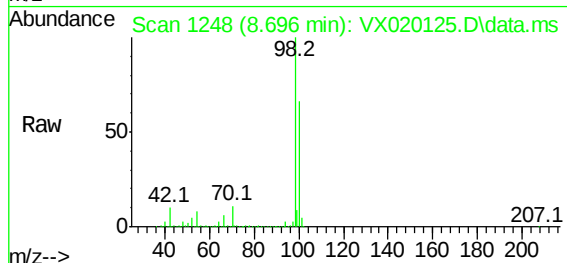




#1247 (-)
Toluene-d8
Concen: 48.27 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

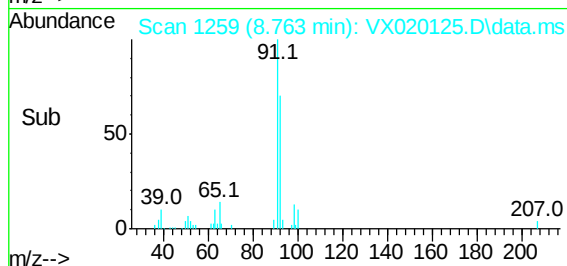
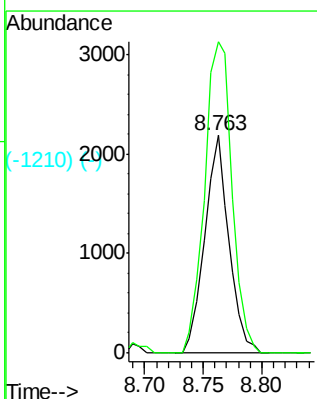
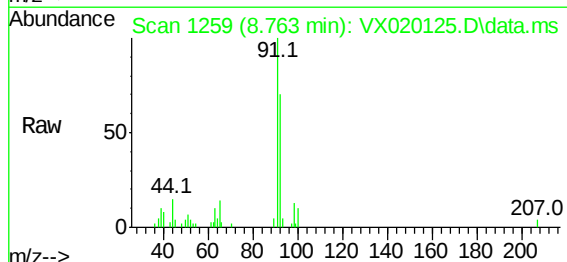
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER-SAMPLE-1

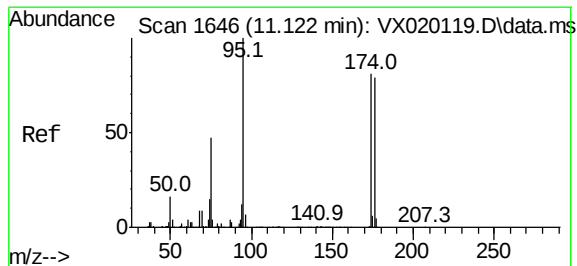
Tgt Ion: 98 Resp: 631988
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#1259 (-)
Toluene
Concen: 0.32 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Tgt Ion: 92 Resp: 3149
Ion Ratio Lower Upper
92 100
91 162.5 137.1 205.7

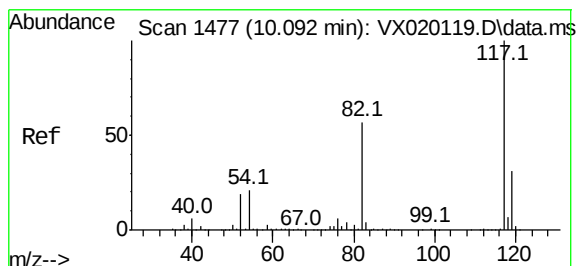
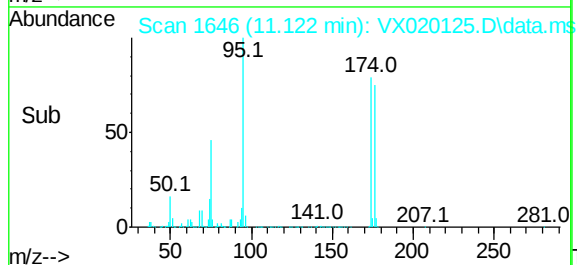
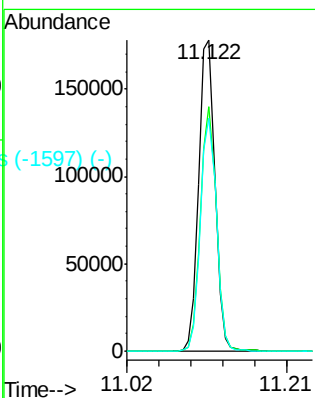
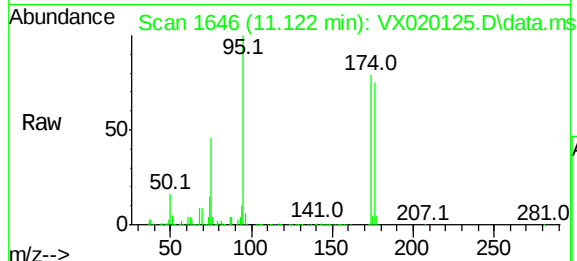




#639 (-)
4-Bromofluorobenzene
Concen: 45.59 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

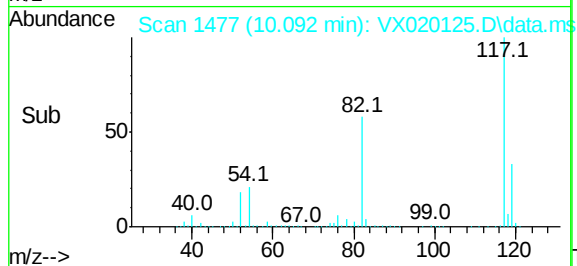
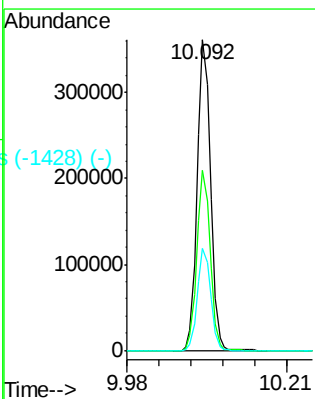
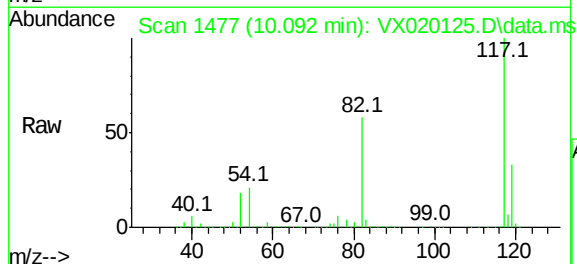
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER-SAMPLE-1

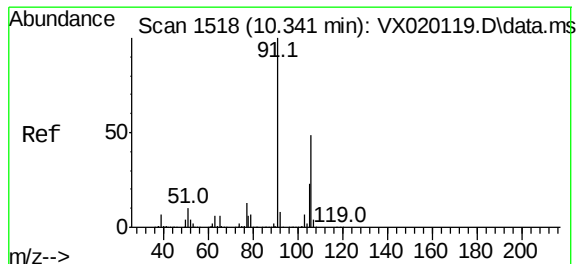
Tgt Ion:	95	Resp:	228477
Ion Ratio	Lower	Upper	
95	100		
174	76.0	0.0	154.6
176	74.0	0.0	155.8



#640 (-)
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020125.D
Acq: 18 Dec 2020 14:37

Tgt Ion:	117	Resp:	479142
Ion Ratio	Lower	Upper	
117	100		
82	57.9	47.4	71.2
119	32.8	26.6	39.8

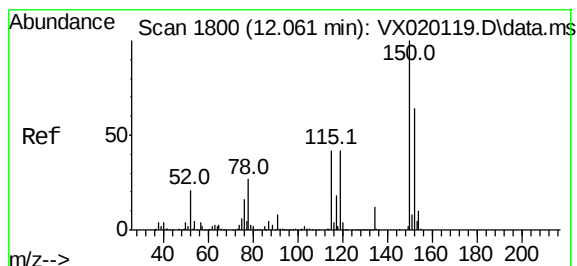
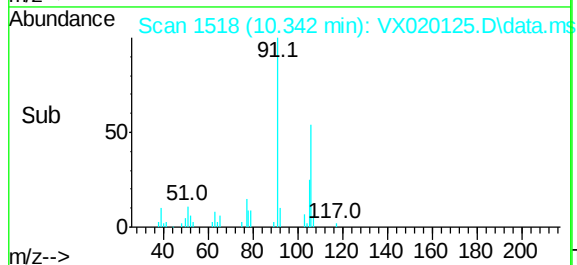
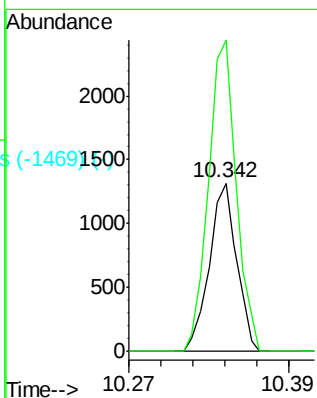
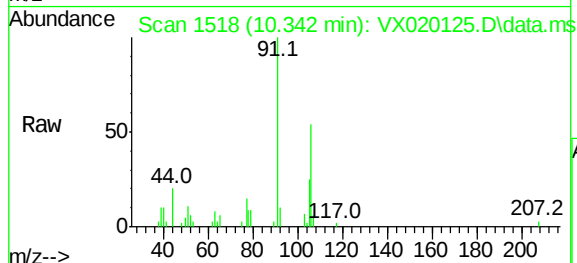




Scan 1518 (10.341 min): VX020119.D\data.ms
 #6911 (-)
 m/p-Xylenes
 Concen: 0.27 ug/l
 RT: 10.342 min Scan# 1518
 Delta R.T. 0.001 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

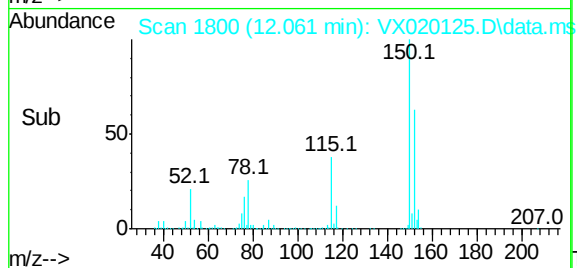
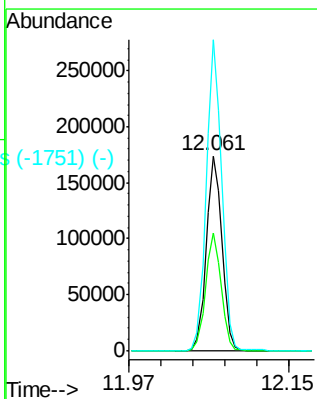
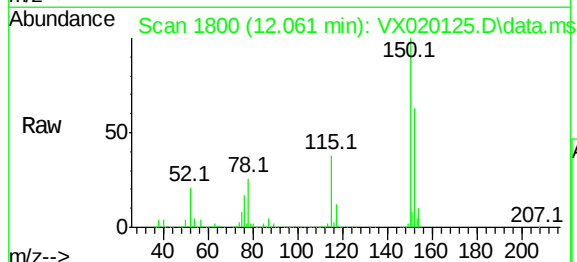
Instrument :
 MSVOA_X
ClientSampleId :
 GROUNDWATER-SAMPLE-1

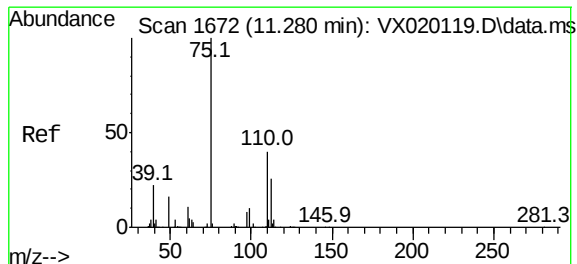
Tgt Ion:106 Resp: 1793
 Ion Ratio Lower Upper
 106 100
 91 189.7 162.8 244.2



Scan 1800 (12.061 min): VX020119.D\data.ms
 #7294 (-)
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

Tgt Ion:152 Resp: 211465
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.1 123.3
 150 157.5 0.0 349.0

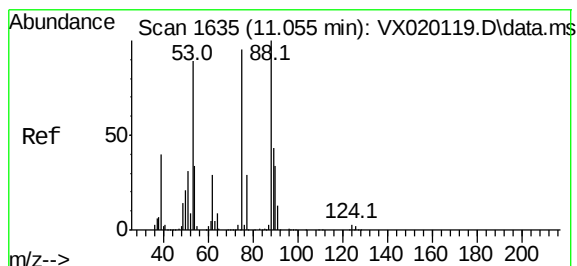
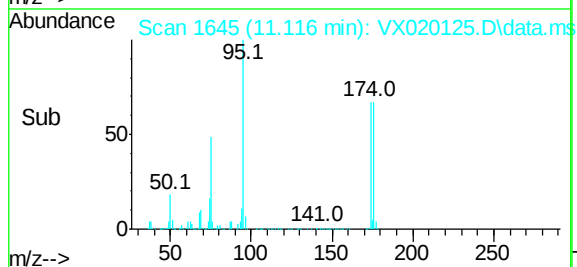
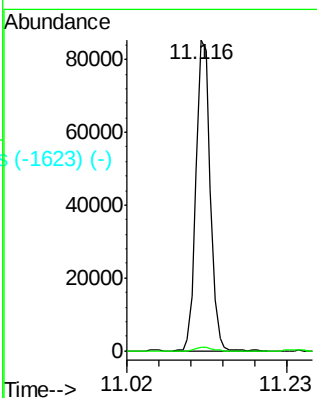
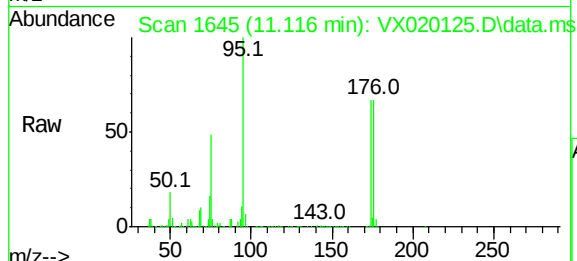




#1667 (-)
 1,2,3-Trichloropropane
 Concen: 21.02 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

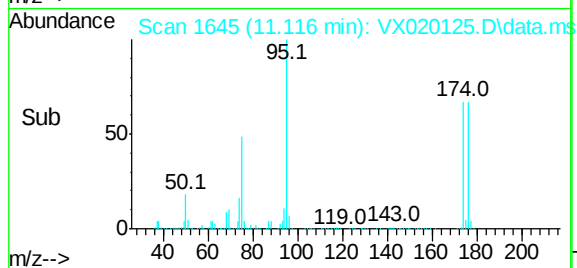
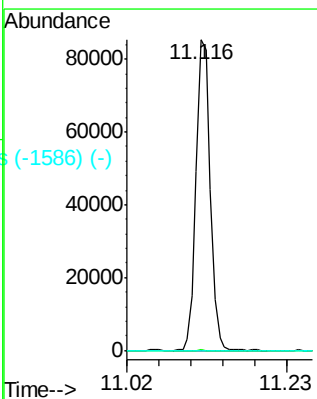
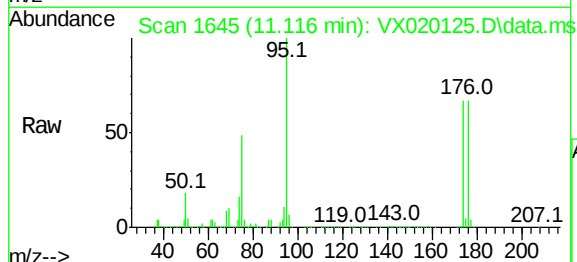
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER-SAMPLE-1

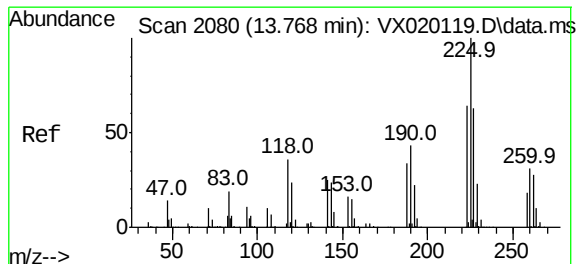
Tgt Ion: 75 Resp: 109482
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



#1630 (-)
 trans-1,4-Dichloro-2-butene
 Concen: 62.36 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. 0.061 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

Tgt Ion: 75 Resp: 109482
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#





#94 (-)
 Hexachlorobutadiene
 Concen: 2.77 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020125.D
 Acq: 18 Dec 2020 14:37

Instrument :
 MSVOA_X
ClientSampleId :
 GROUNDWATER-SAMPLE-1

Tgt Ion:	225	Resp:	263
Ion Ratio	Lower	Upper	
225	100		
223	74.5	31.1	93.2
227	77.9	31.6	95.0

