

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX122120\
 Data File : VX020244.D
 Acq On : 21 Dec 2020 12:56
 Operator : JC/MD
 Sample : L5115-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATERDL

Quant Time: Dec 22 01:31:34 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)

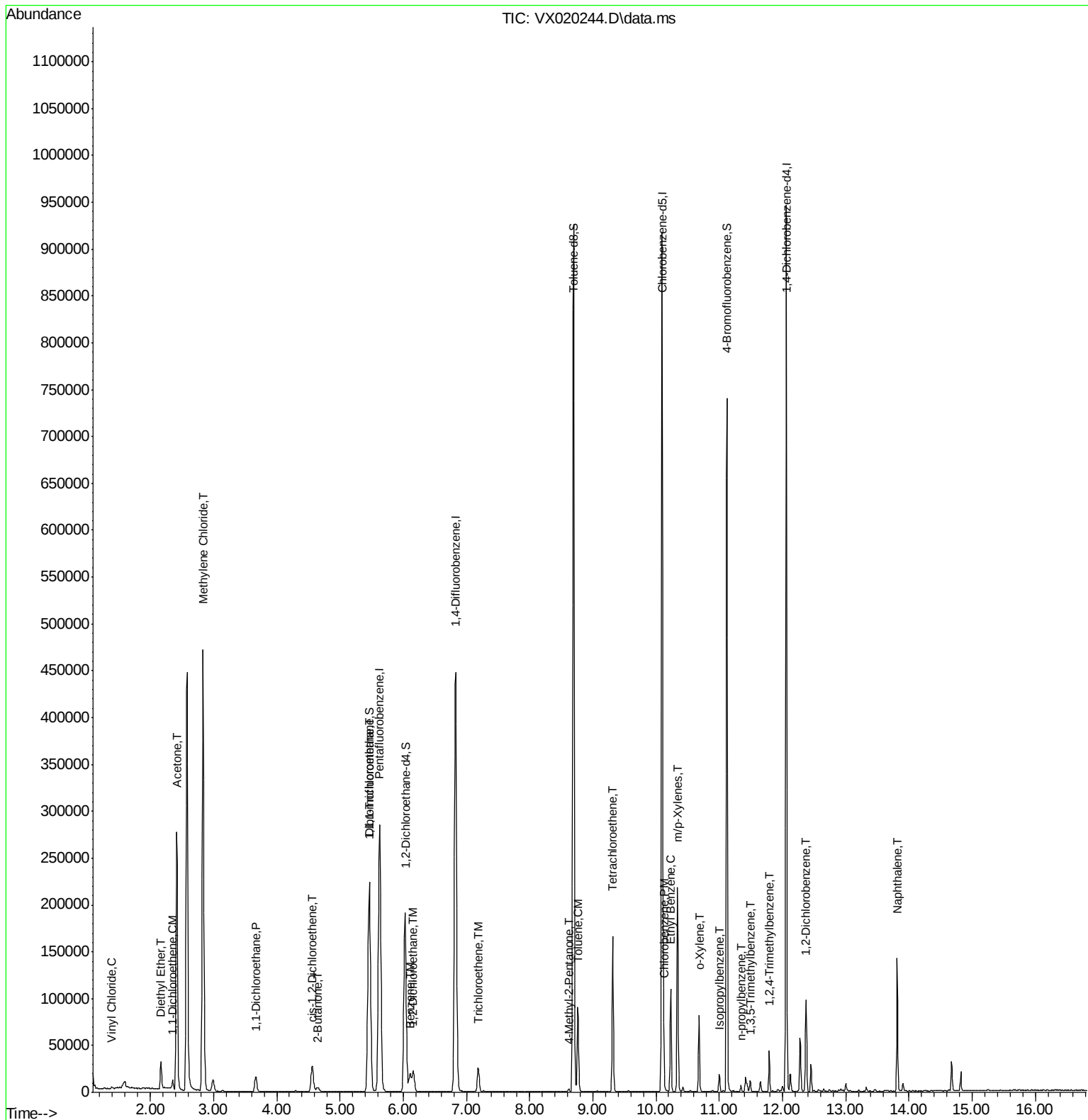
Internal Standards						
1) Pentafluorobenzene	5.629	168	273070	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	454710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	432106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	190749	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	182048	49.74	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	99.48%	
35) Dibromofluoromethane	5.465	113	146627	50.41	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.82%	
50) Toluene-d8	8.696	98	558804	49.91	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.122	95	205412	47.93	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	95.86%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	1041	0.28	ug/l	100
8) Diethyl Ether	2.166	74	9383	4.48	ug/l	93
12) 1,1-Dichloroethene	2.355	96	3311	1.19	ug/l	97
16) Acetone	2.416	43	279782	167.62	ug/l	99
20) Methylene Chloride	2.831	84	226990	60.32	ug/l	99
24) 1,1-Dichloroethane	3.666	63	18437	3.10	ug/l	98
25) 2-Butanone	4.641	43	2729	1.12	ug/l	97
27) cis-1,2-Dichloroethene	4.556	96	17747	4.65	ug/l	92
32) 1,1,1-Trichloroethane	5.458	97	59823	11.84	ug/l	99
40) Benzene	6.111	78	22422	1.60	ug/l	97
42) 1,2-Dichloroethane	6.160	62	23846	4.97	ug/l	100
44) Trichloroethene	7.184	130	9852	2.72	ug/l	96
51) 4-Methyl-2-Pentanone	8.616	43	2135	0.47	ug/l	86
52) Toluene	8.763	92	33356	3.91	ug/l	99
64) Tetrachloroethene	9.317	164	31638	9.72	ug/l	95
65) Chlorobenzene	10.122	112	26594	2.87	ug/l	98
67) Ethyl Benzene	10.232	91	64846	4.00	ug/l	99
68) m/p-Xylenes	10.342	106	50915	8.42	ug/l	100
69) o-Xylene	10.683	106	17701	3.04	ug/l	98
73) Isopropylbenzene	11.000	105	9103	0.66	ug/l	99
78) n-propylbenzene	11.342	91	3526	0.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.488	105	4821	0.41	ug/l	98
84) 1,2,4-Trimethylbenzene	11.793	105	19268	1.63	ug/l	98
91) 1,2-Dichlorobenzene	12.372	146	31141	4.81	ug/l	99
95) Naphthalene	13.817	128	83744	6.35	ug/l	100

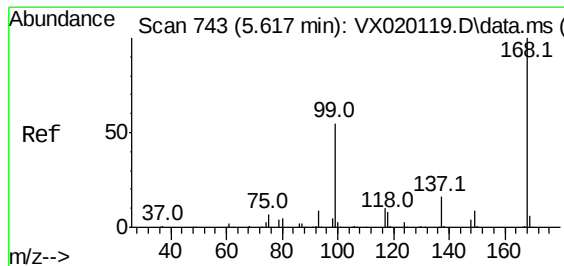
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L5115-02DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

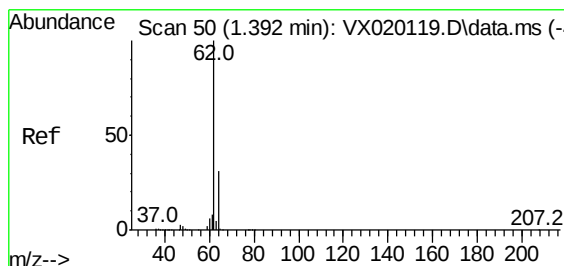
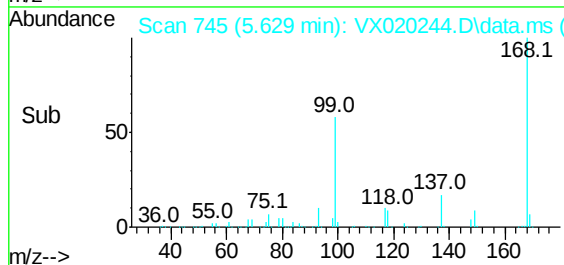
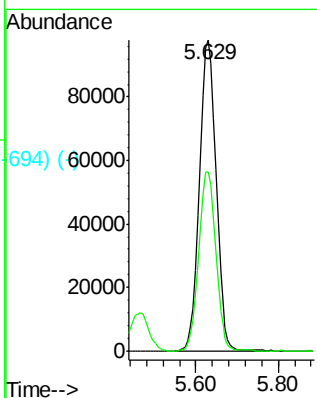
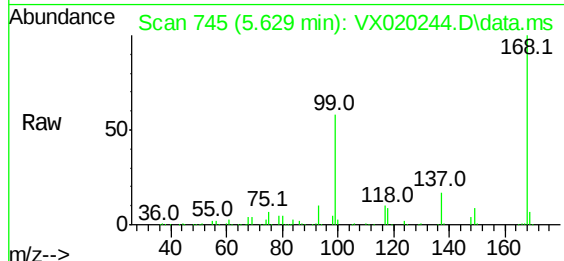




Scan 743 (5.617 min): VX020119.D\data.ms (-750) (-)
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.629 min Scan# 745
 Delta R.T. 0.012 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

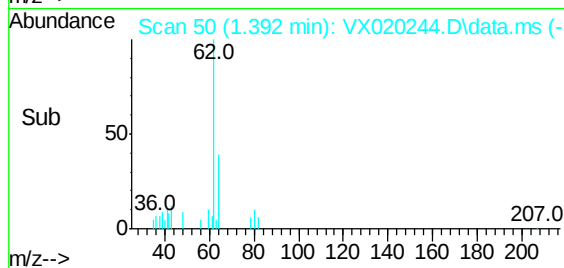
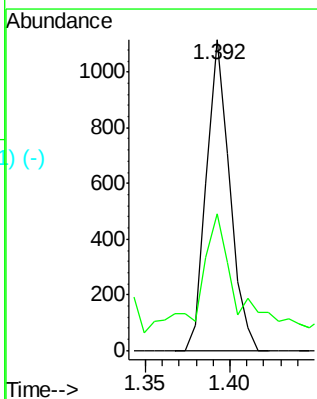
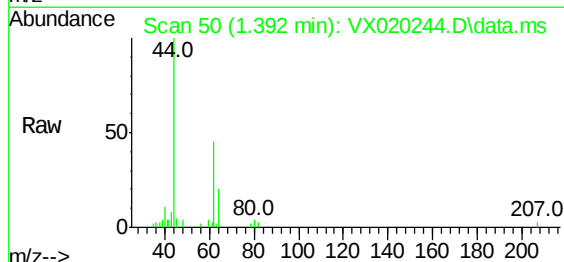
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATERDL

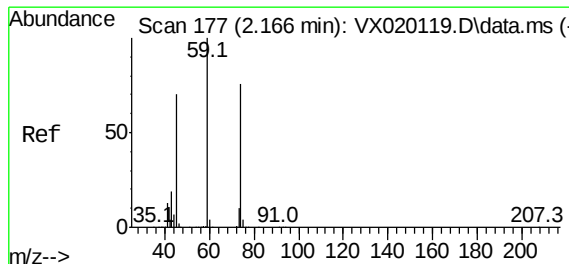
Tgt Ion:168 Resp: 273070
 Ion Ratio Lower Upper
 168 100
 99 57.7 45.8 68.6



Scan 50 (1.392 min): VX020119.D\data.ms (-457) (-)
 Vinyl Chloride
 Concen: 0.28 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

Tgt Ion: 62 Resp: 1041
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.7 38.5

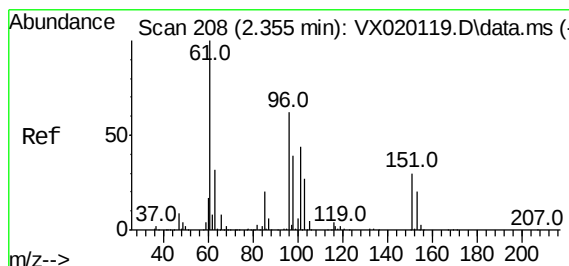
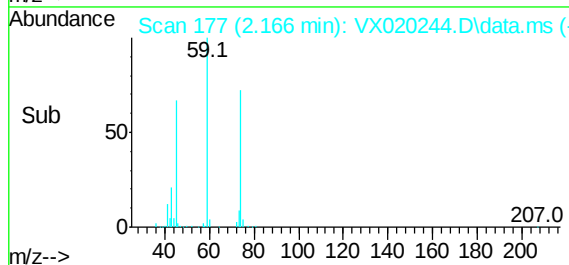
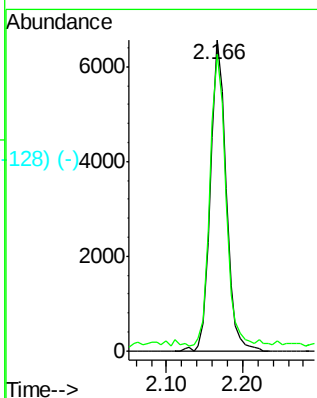
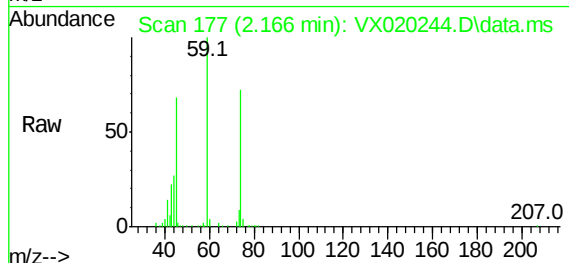




Diethyl Ether
 Concen: 4.48 ug/l
 RT: 2.166 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

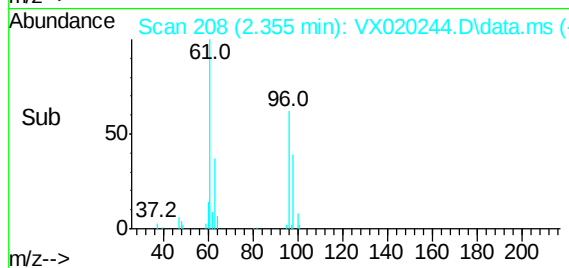
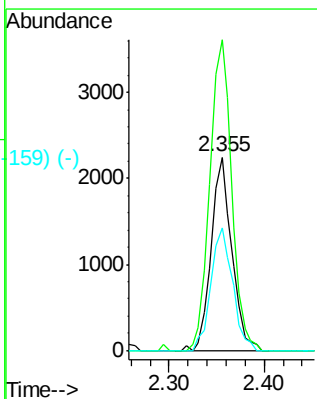
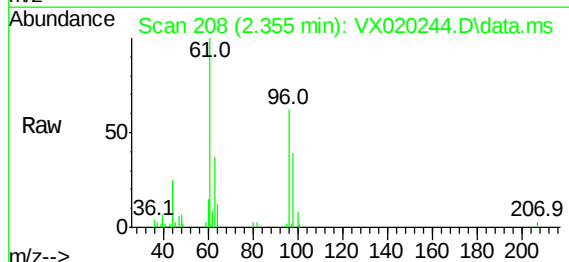
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATERDL

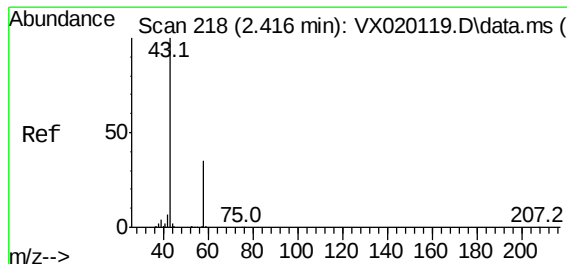
Tgt Ion: 74 Resp: 9383
 Ion Ratio Lower Upper
 74 100
 45 95.4 44.5 133.5



1,1-Dichloroethene
 Concen: 1.19 ug/l
 RT: 2.355 min Scan# 208
 Delta R.T. 0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

Tgt Ion: 96 Resp: 3311
 Ion Ratio Lower Upper
 96 100
 61 160.7 124.6 187.0
 98 63.2 50.6 76.0

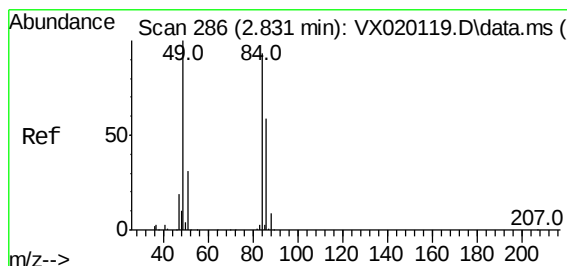
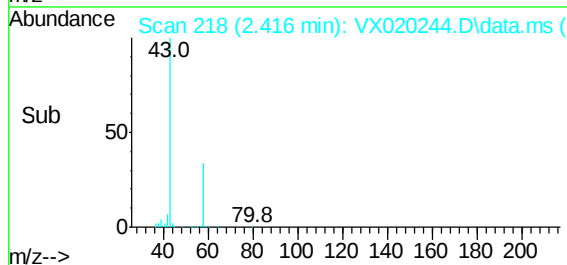
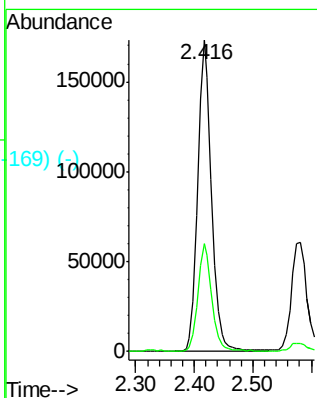
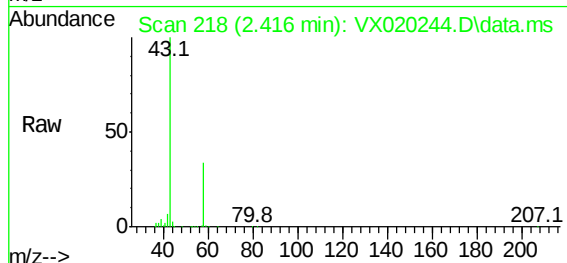




Acetone
Concen: 167.62 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

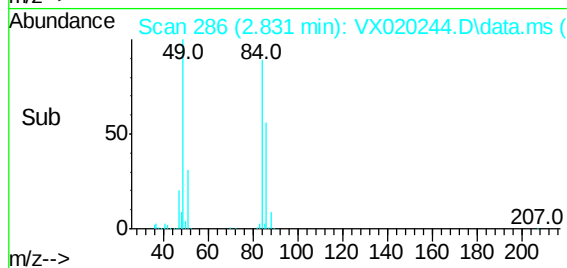
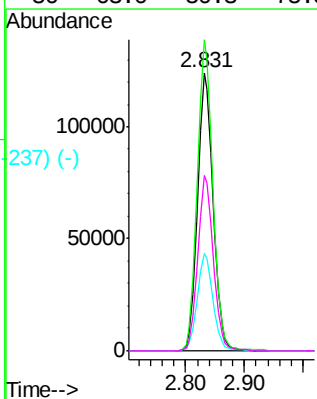
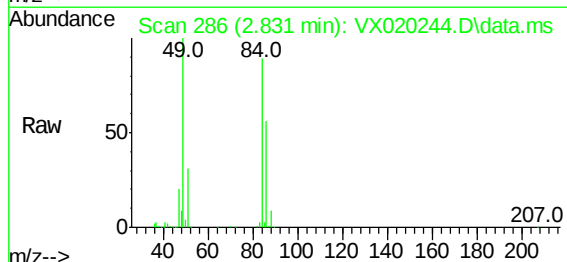
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

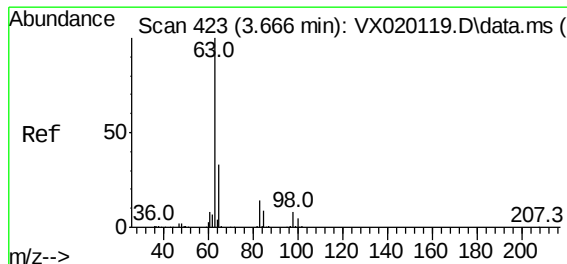
Tgt Ion: 43 Resp: 279782
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.8



Methylene Chloride
Concen: 60.32 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion: 84 Resp: 226990
Ion Ratio Lower Upper
84 100
49 112.0 88.6 132.8
51 35.2 27.0 40.6
86 63.0 50.3 75.5

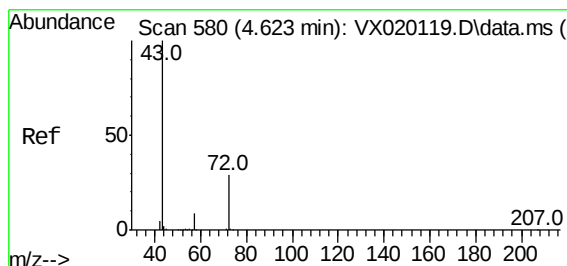
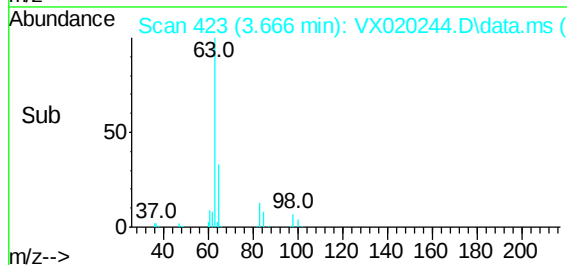
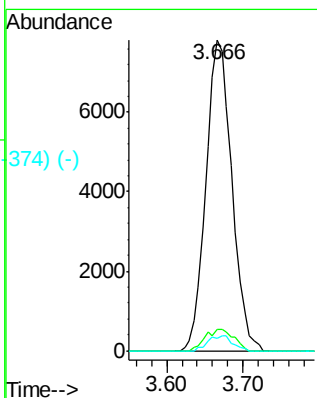
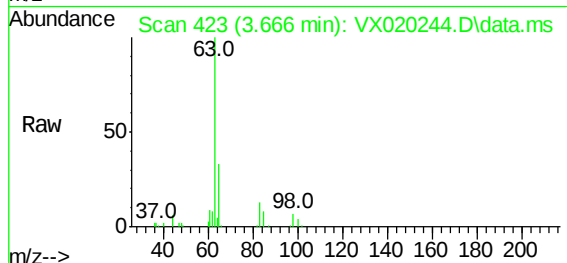




1,1-Dichloroethane
 Concen: 3.10 ug/l
 RT: 3.666 min Scan# 423
 Delta R.T. 0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

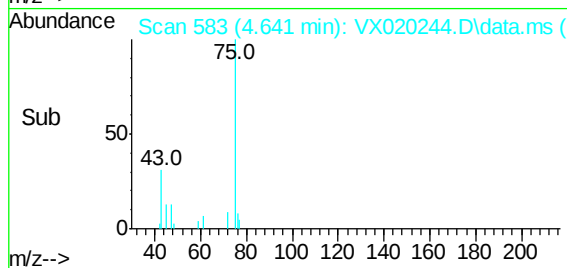
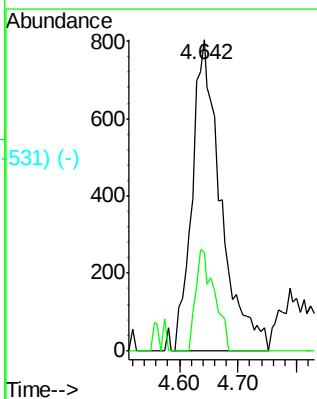
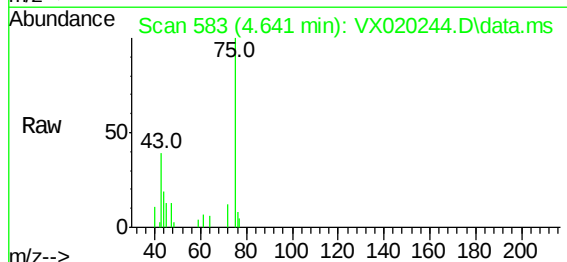
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATERDL

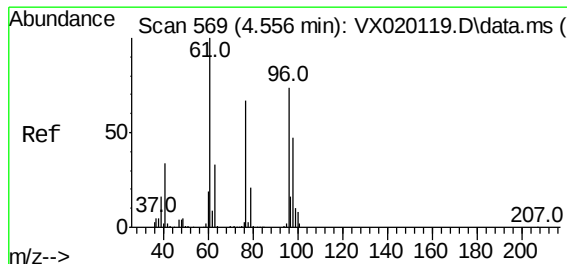
Tgt Ion:	63	Resp:	18437
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.8	11.2
100	4.1	2.5	7.5



2-Butanone
 Concen: 1.12 ug/l
 RT: 4.641 min Scan# 583
 Delta R.T. 0.018 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

Tgt Ion:	43	Resp:	2729
Ion Ratio	Lower	Upper	
43	100		
72	31.5	23.7	35.5

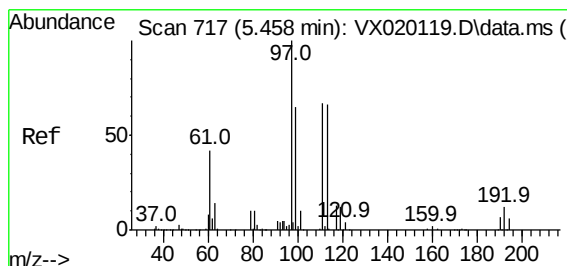
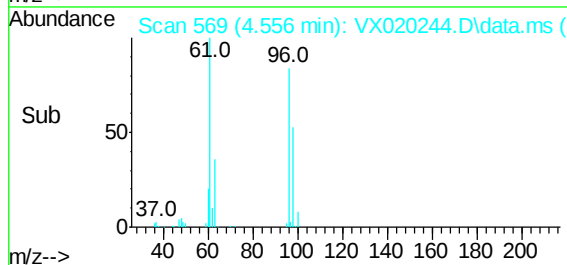
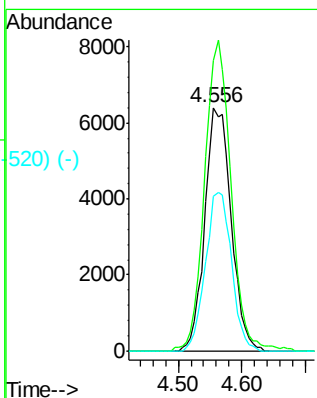
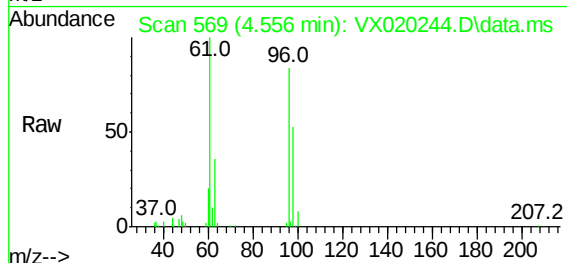




cis-1,2-Dichloroethene
Concen: 4.65 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

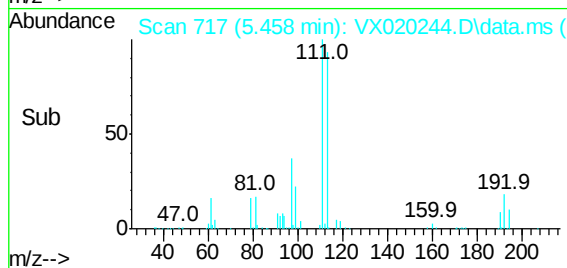
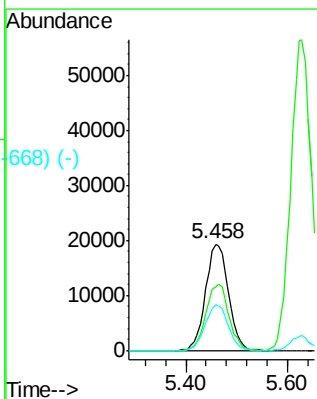
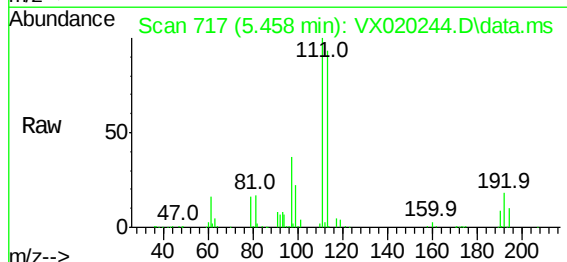
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ClientSampleId :
GROUNDWATERDL

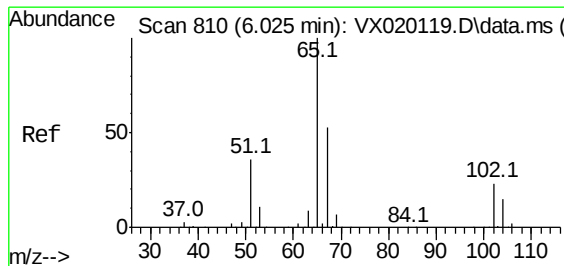
Tgt Ion:	96	Resp:	17747
Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	285.6
98	64.5	0.0	129.6



1,1,1-Trichloroethane
Concen: 11.84 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion:	97	Resp:	59823
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.5	77.3
61	43.1	34.2	51.4

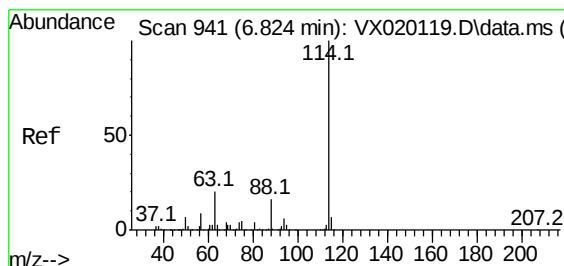
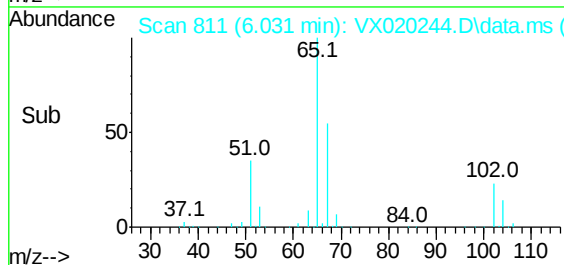
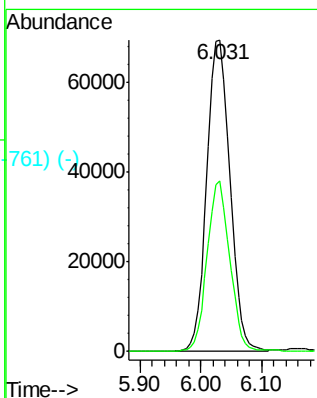
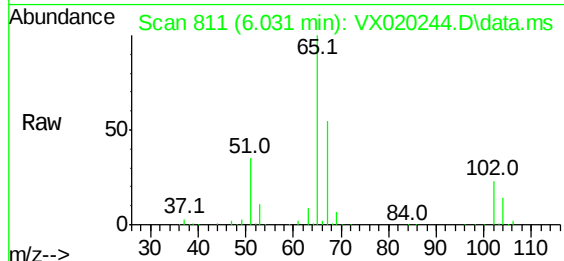




1,2-Dichloroethane-d4
Concen: 49.74 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

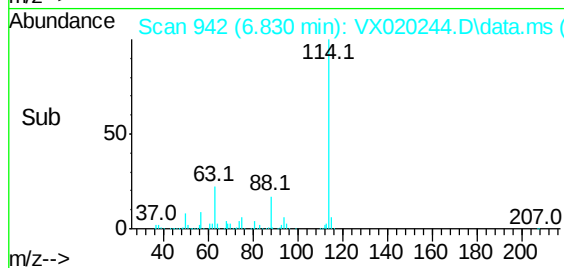
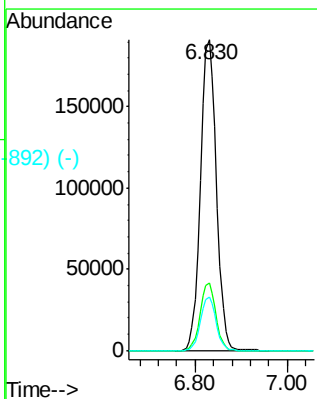
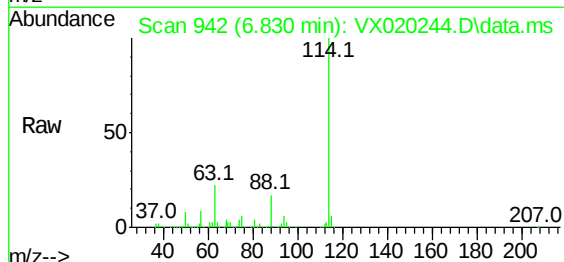
Instrument :
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ClientSampleID :
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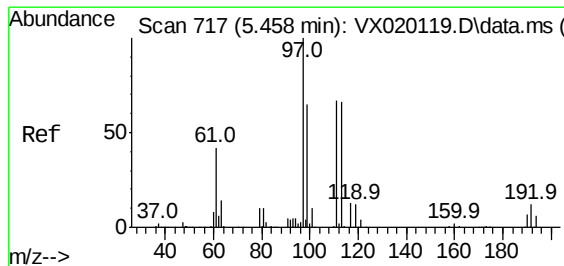
Tgt Ion: 65 Resp: 182048
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4



1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion: 114 Resp: 454710
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 17.2 0.0 32.8

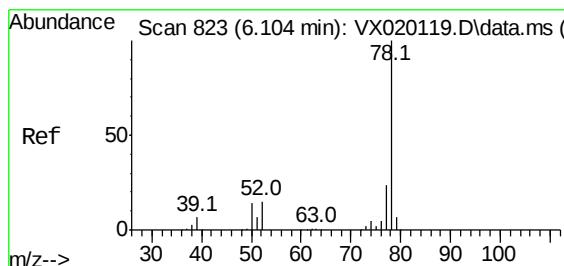
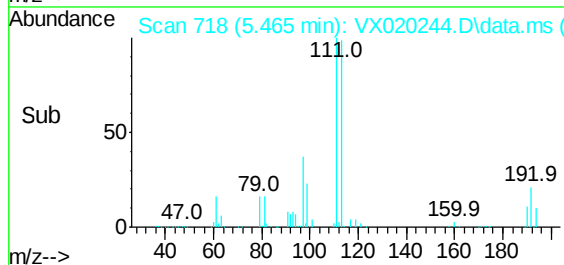
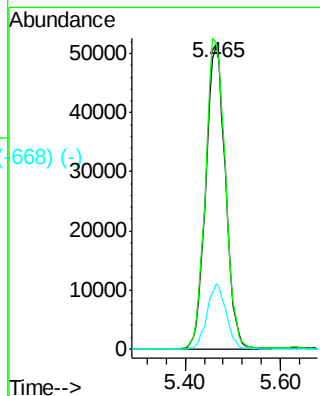
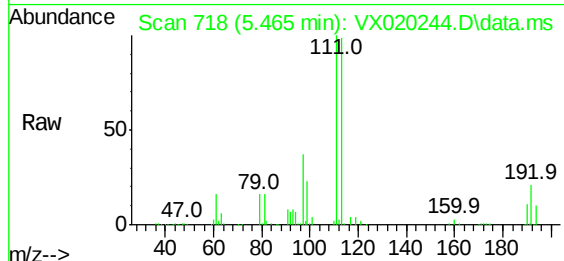




Dibromofluoromethane
Concen: 50.41 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

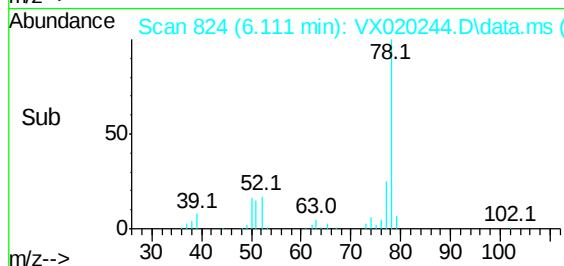
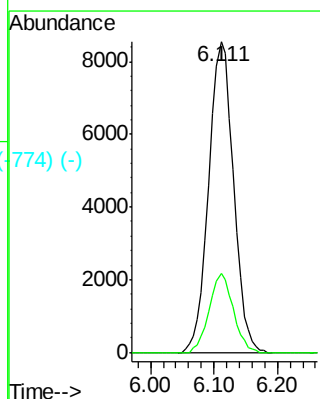
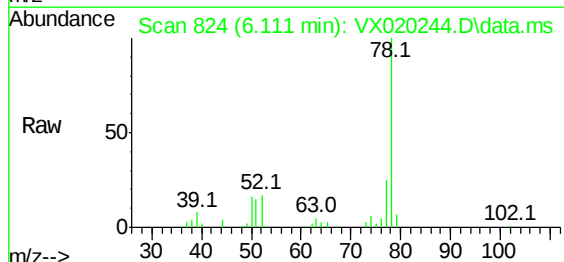
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

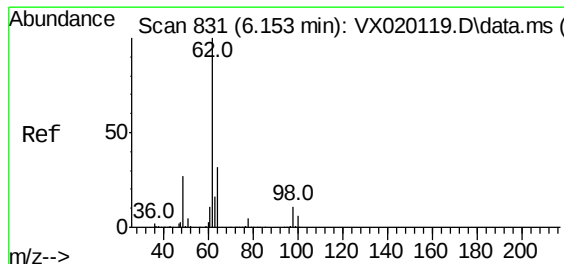
Tgt Ion:113 Resp: 146627
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 20.7 16.7 25.1



Benzene
Concen: 1.60 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.007 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion: 78 Resp: 22422
Ion Ratio Lower Upper
78 100
77 25.3 18.9 28.3

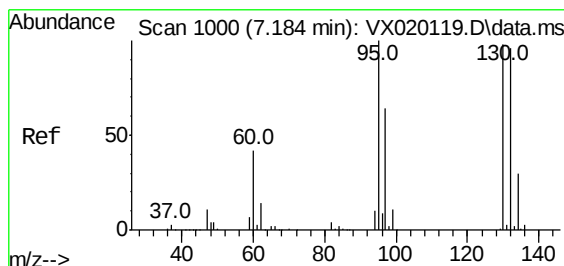
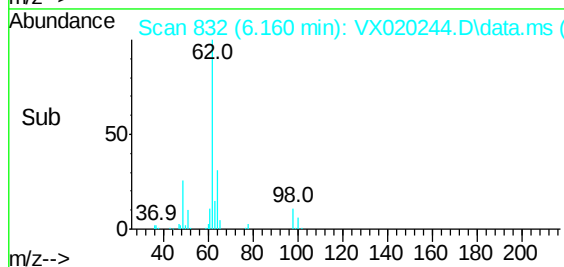
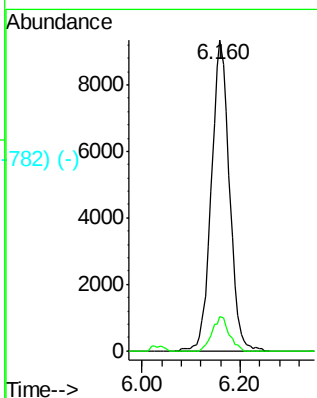
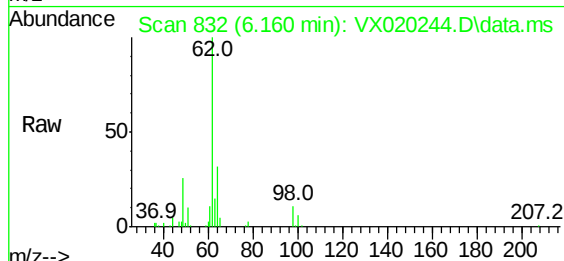




1,2-Dichloroethane
Concen: 4.97 ug/l
RT: 6.160 min Scan# 832
Delta R.T. 0.007 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

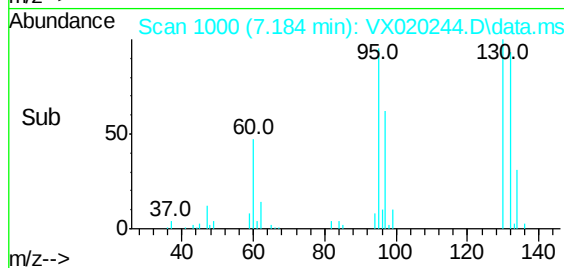
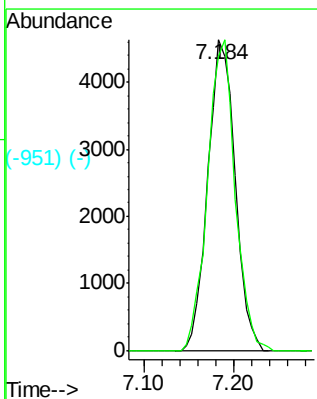
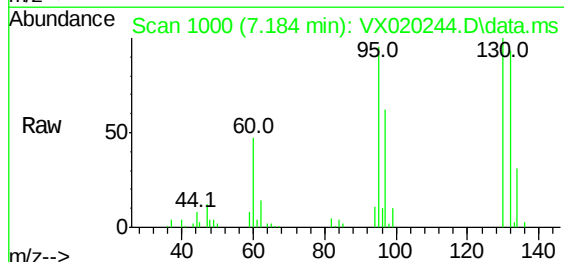
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

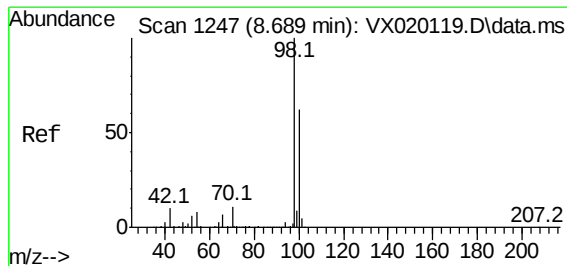
Tgt Ion: 62 Resp: 23846
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



Trichloroethene
Concen: 2.72 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion: 130 Resp: 9852
Ion Ratio Lower Upper
130 100
95 94.5 0.0 198.0

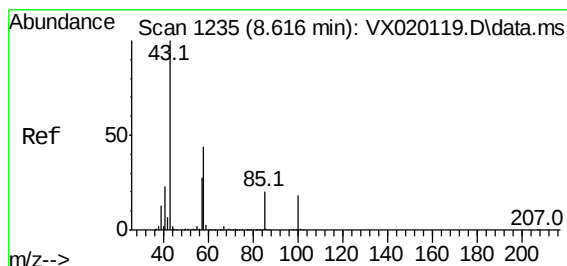
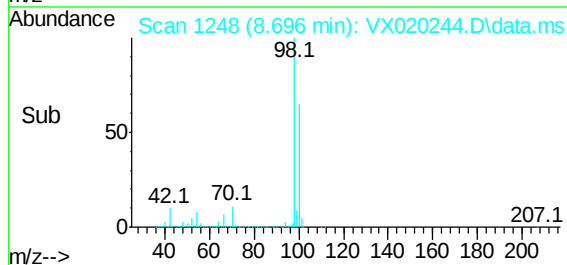
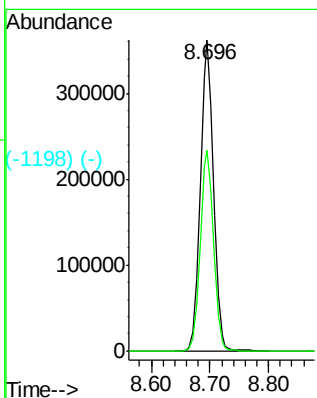
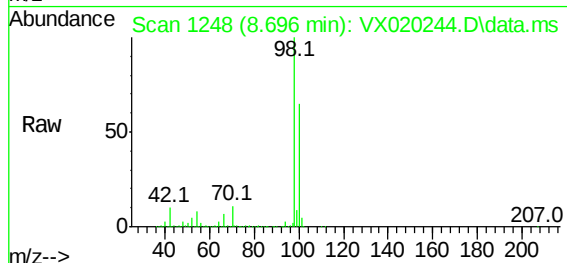




Toluene-d8
Concen: 49.91 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

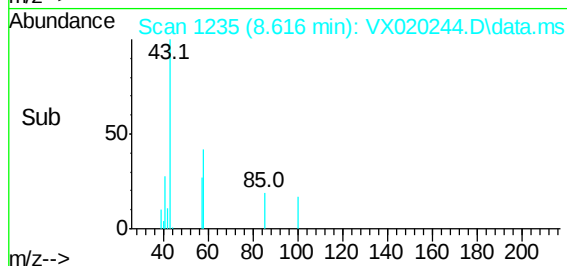
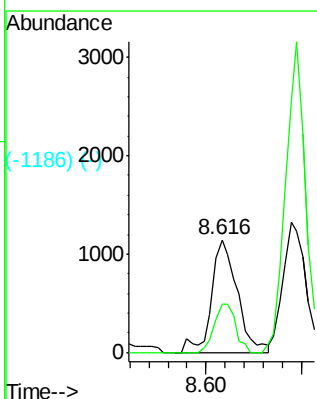
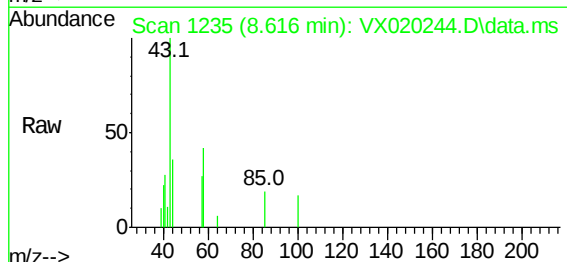
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

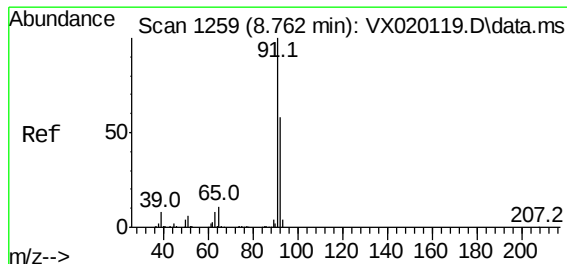
Tgt Ion: 98 Resp: 558804
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion: 43 Resp: 2135
Ion Ratio Lower Upper
43 100
58 35.4 35.4 53.0

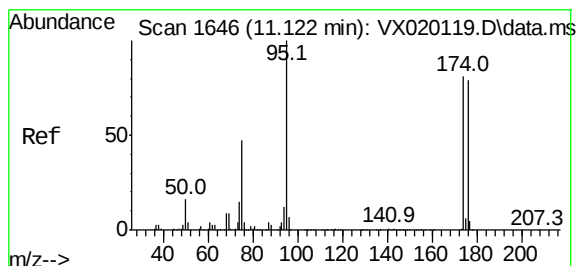
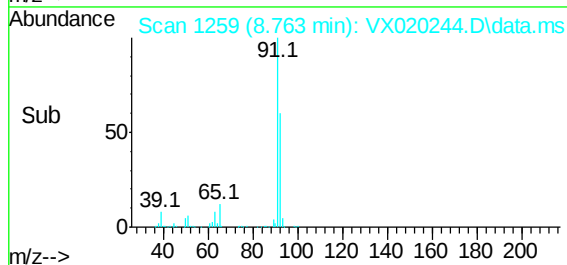
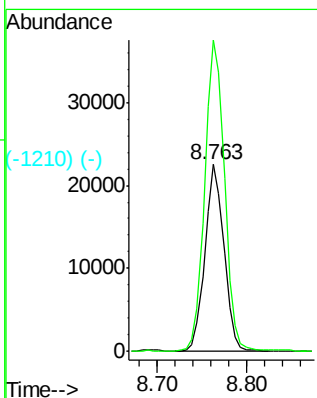
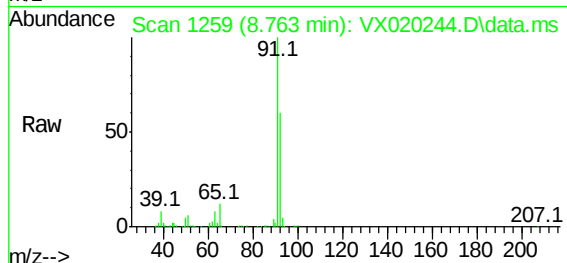




#1259 (-)
Toluene
Concen: 3.91 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

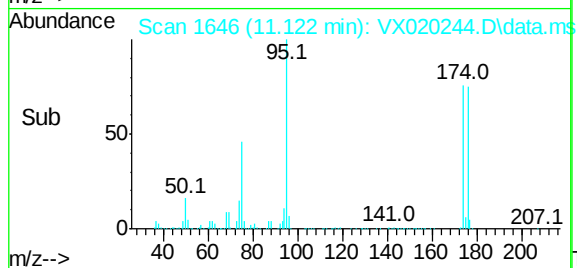
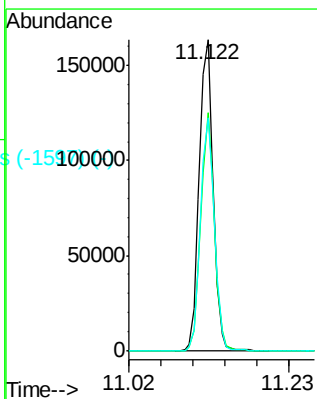
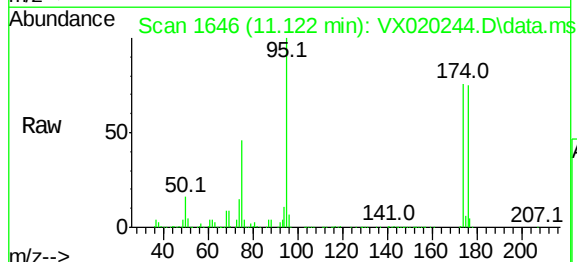
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

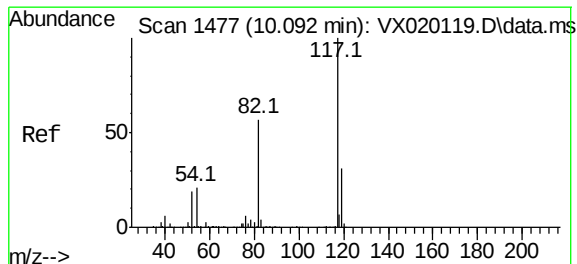
Tgt Ion: 92 Resp: 33356
Ion Ratio Lower Upper
92 100
91 172.6 137.1 205.7



#1646 (-)
4-Bromofluorobenzene
Concen: 47.93 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

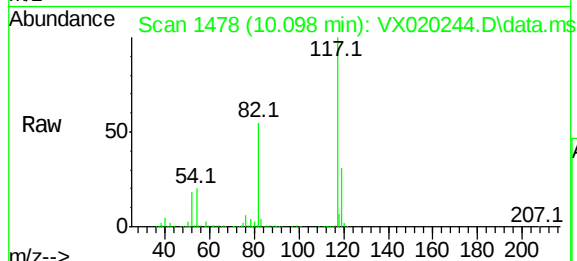
Tgt Ion: 95 Resp: 205412
Ion Ratio Lower Upper
95 100
174 74.4 0.0 154.6
176 74.7 0.0 155.8



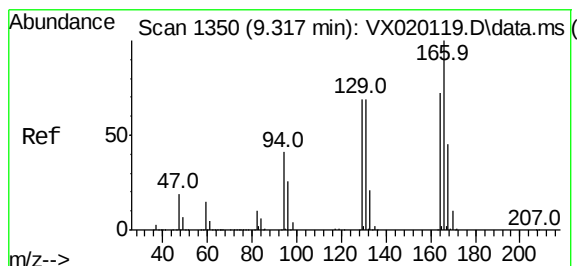
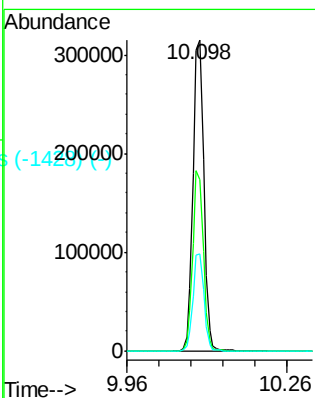
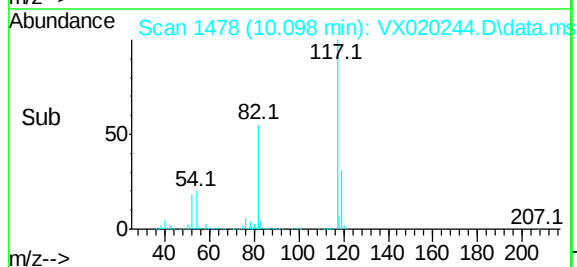


#6270 (-)
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

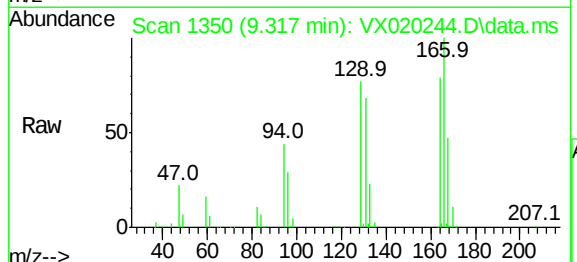
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL



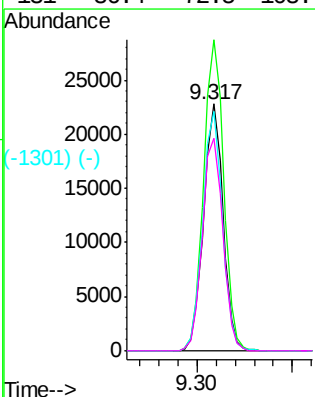
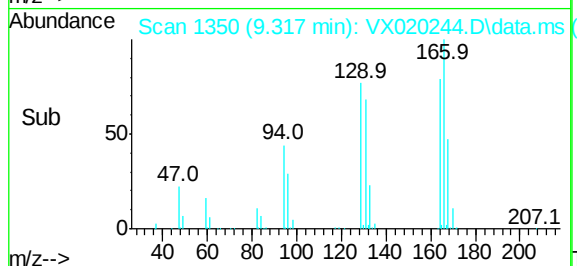
Tgt Ion:117 Resp: 432106
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 31.3 26.6 39.8

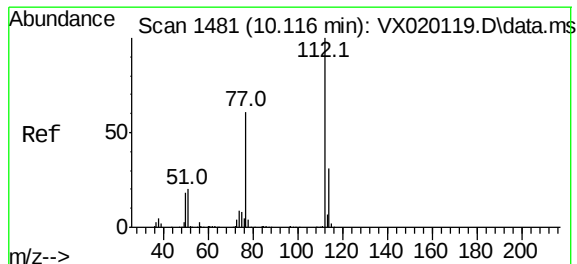


#642 (-)
Tetrachloroethene
Concen: 9.72 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56



Tgt Ion:164 Resp: 31638
Ion Ratio Lower Upper
164 100
166 126.2 103.4 155.2
129 96.9 70.8 106.2
131 86.4 72.5 108.7

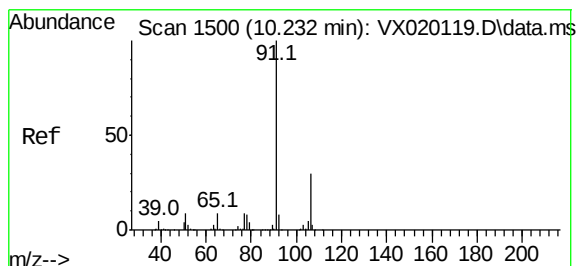
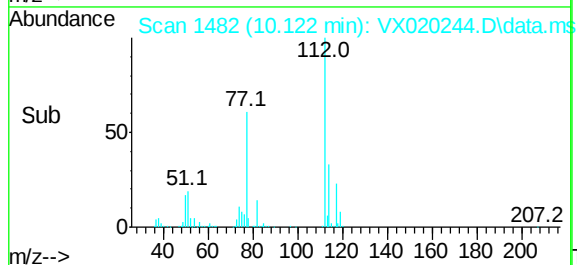
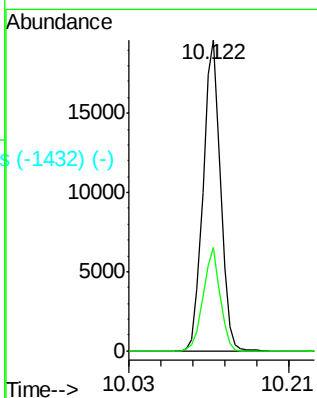
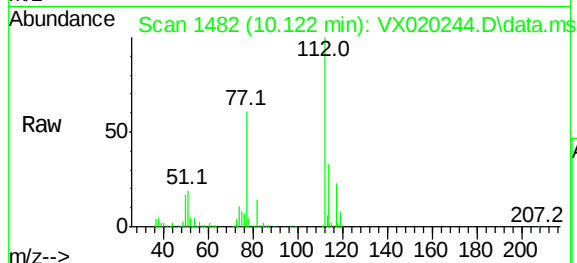




#6574 (-)
Chlorobenzene
Concen: 2.87 ug/l
RT: 10.122 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

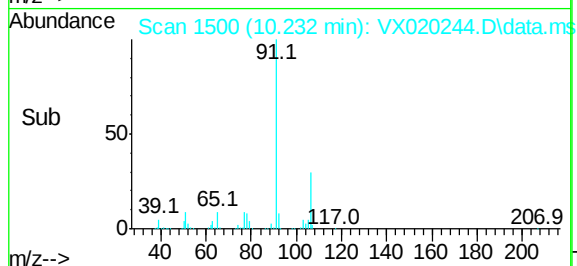
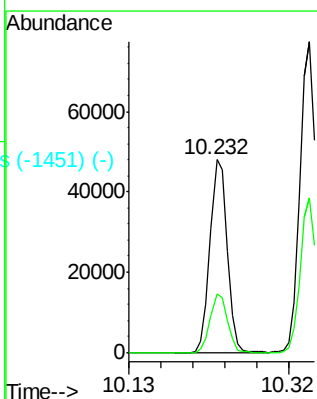
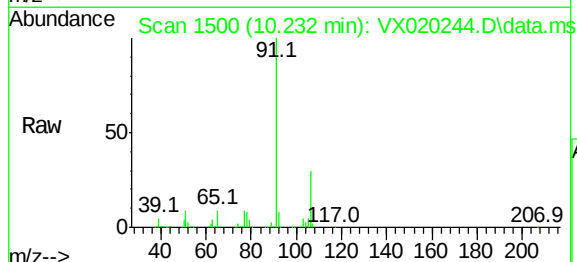
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL

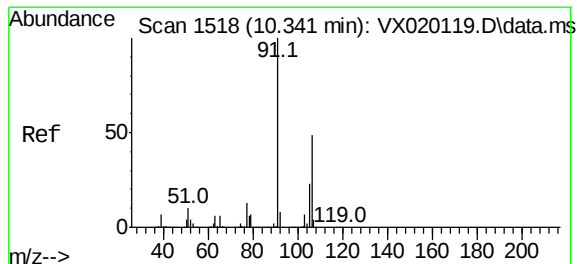
Tgt Ion: 112 Resp: 26594
Ion Ratio Lower Upper
112 100
114 33.2 25.8 38.6



#6793 (-)
Ethyl Benzene
Concen: 4.00 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion: 91 Resp: 64846
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0

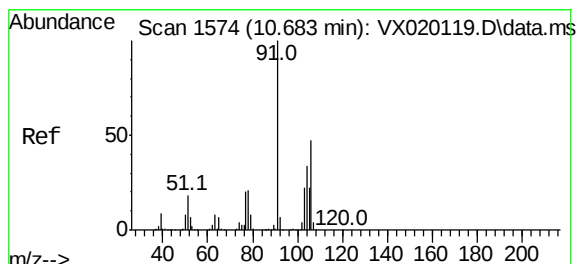
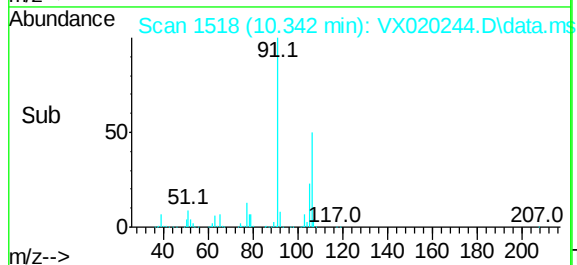
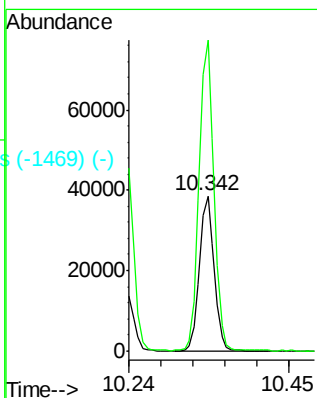
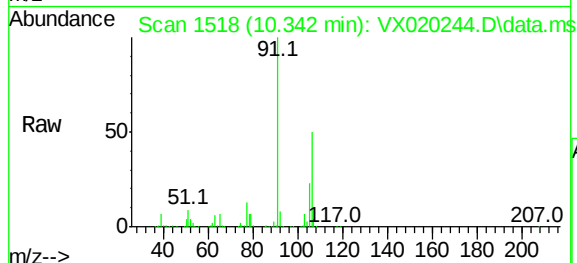




Scan 1518 (10.341 min): VX020119.D\data.ms
 #6911 (-)
 m/p-Xylenes
 Concen: 8.42 ug/l
 RT: 10.342 min Scan# 1518
 Delta R.T. 0.001 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

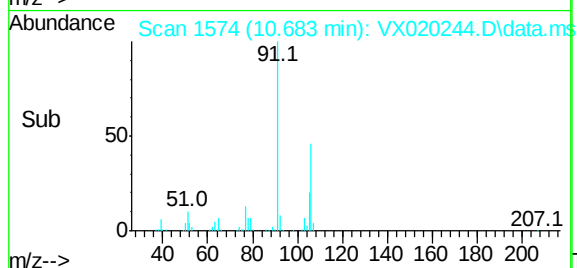
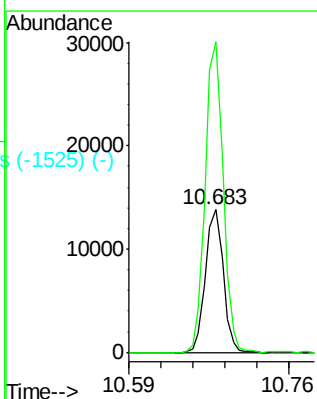
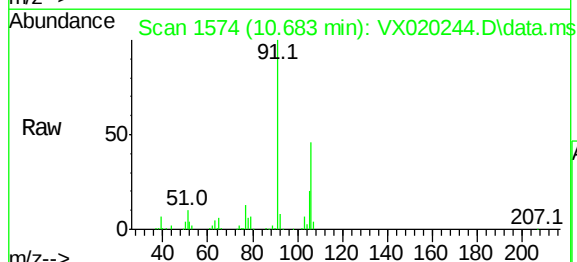
Instrument :
 MSVOA_X
 ClientSampleID :
 GROUNDWATERDL

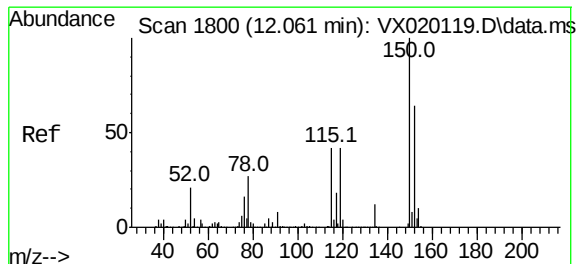
Tgt Ion:106 Resp: 50915
 Ion Ratio Lower Upper
 106 100
 91 203.0 162.8 244.2



Scan 1574 (10.683 min): VX020119.D\data.ms
 #6967 (-)
 o-Xylene
 Concen: 3.04 ug/l
 RT: 10.683 min Scan# 1574
 Delta R.T. 0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

Tgt Ion:106 Resp: 17701
 Ion Ratio Lower Upper
 106 100
 91 218.9 108.1 324.2

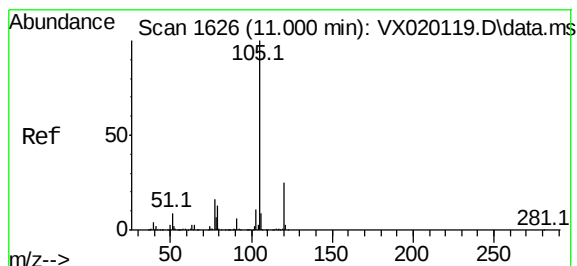
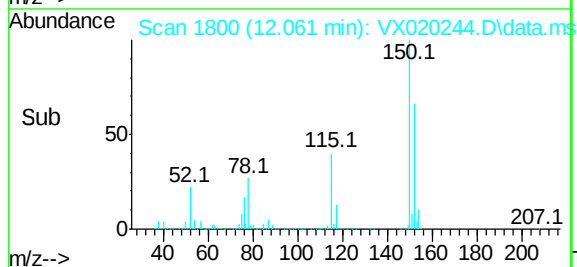
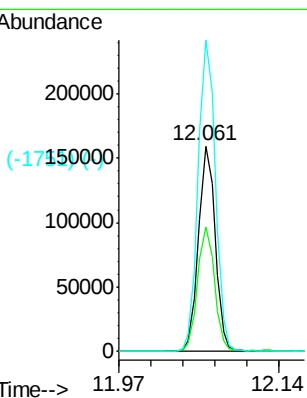
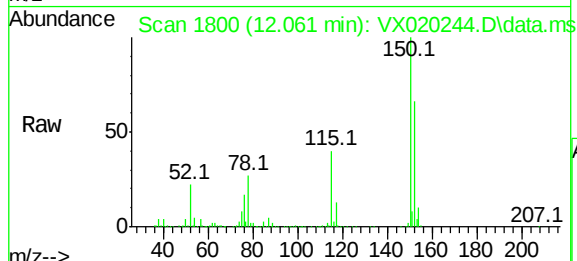




#1794 (-)
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

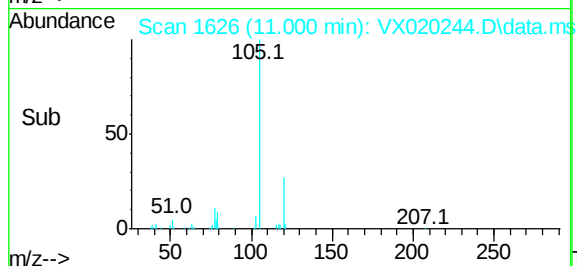
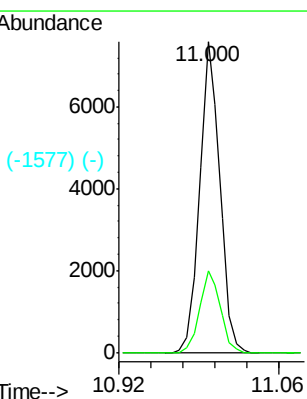
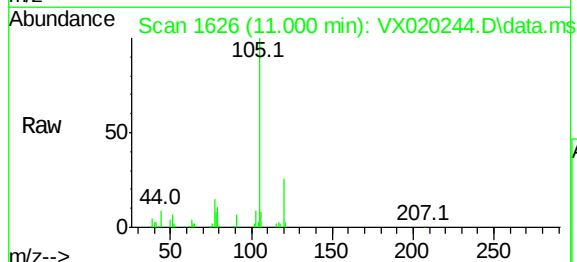
Instrument :
MSVOA_X
ClientSampleID :
GROUNDWATERDL

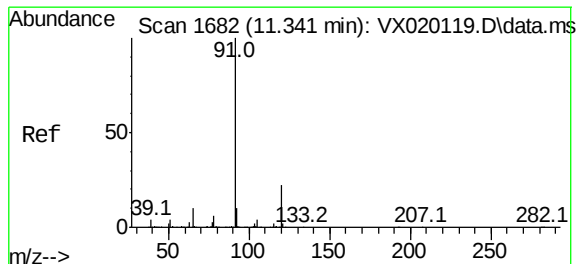
Tgt Ion:152 Resp: 190749
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 156.4 0.0 349.0



#1798 (-)
Isopropylbenzene
Concen: 0.66 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Tgt Ion:105 Resp: 9103
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6

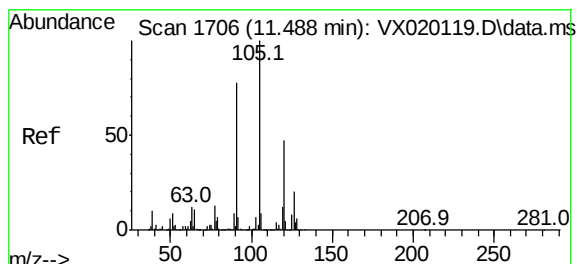
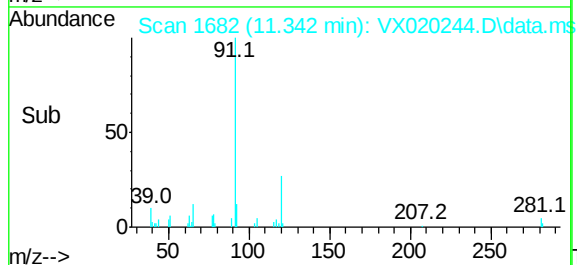
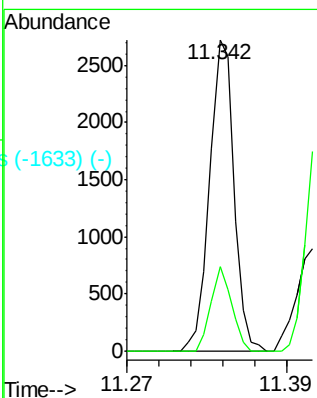
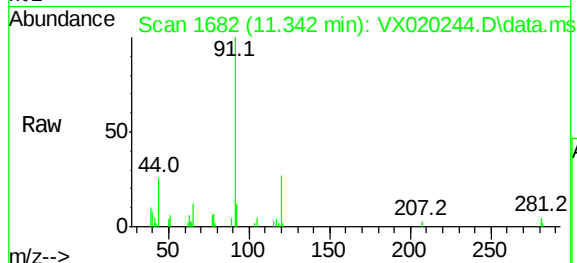




#1677 (-)
 n-propylbenzene
 Concen: 0.22 ug/l
 RT: 11.342 min Scan# 1682
 Delta R.T. 0.001 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

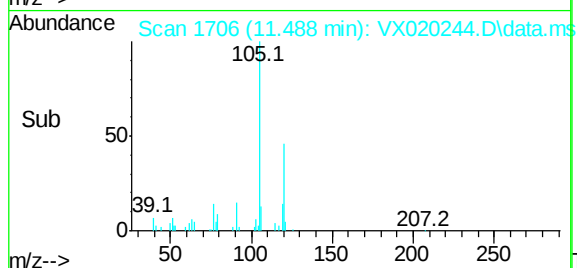
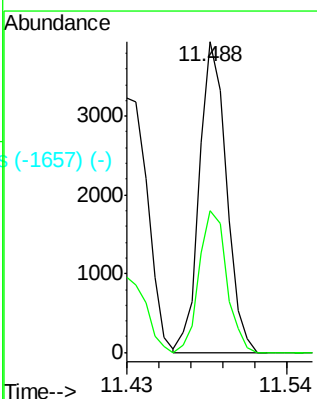
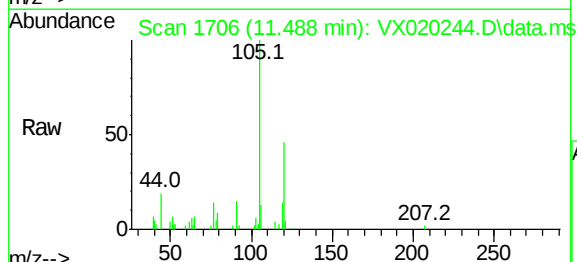
Instrument :
 MSVOA_X
 ClientSampleID :
 GROUNDWATERDL

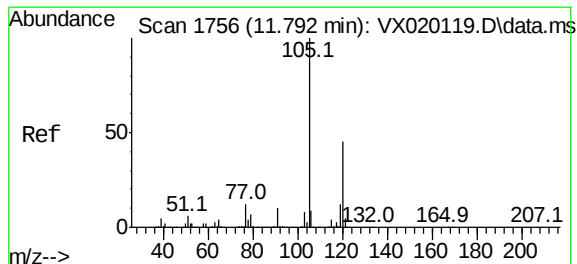
Tgt Ion:	91	Resp:	3526
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



#1670 (-)
 1,3,5-Trimethylbenzene
 Concen: 0.41 ug/l
 RT: 11.488 min Scan# 1706
 Delta R.T. -0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

Tgt Ion:	105	Resp:	4821
Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.5

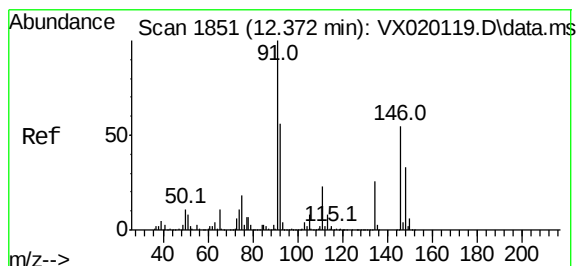
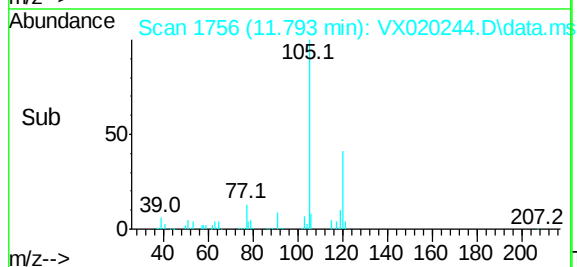
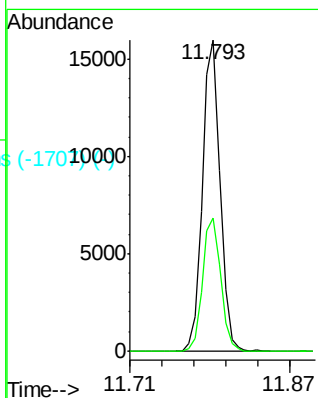
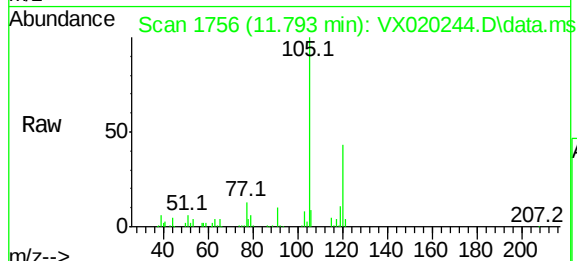




#845 (-)
 1,2,4-Trimethylbenzene
 Concen: 1.63 ug/l
 RT: 11.793 min Scan# 1756
 Delta R.T. 0.001 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

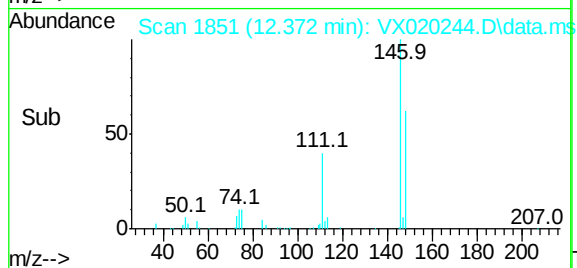
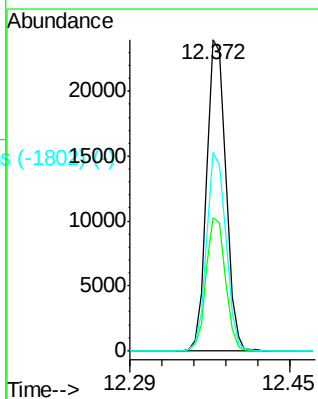
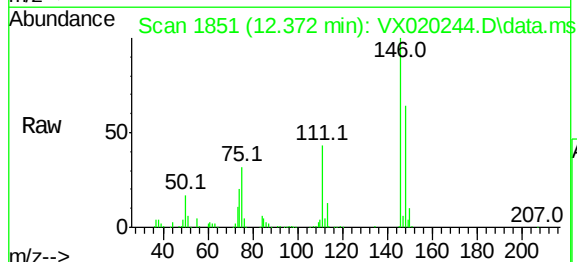
Instrument :
 MSVOA_X
 ClientSampleID :
 GROUNDWATERDL

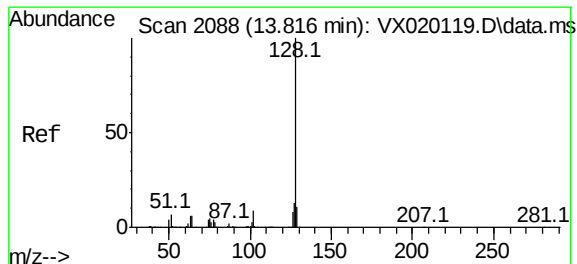
Tgt Ion:	105	Resp:	19268
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.4	67.3



#944 (-)
 1,2-Dichlorobenzene
 Concen: 4.81 ug/l
 RT: 12.372 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: VX020244.D
 Acq: 21 Dec 2020 12:56

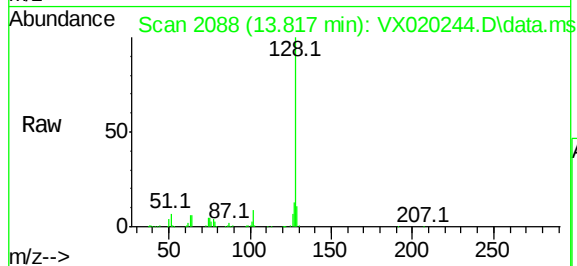
Tgt Ion:	146	Resp:	31141
Ion Ratio	Lower	Upper	
146	100		
111	42.9	20.8	62.2
148	64.0	31.9	95.5





#95 (-)
Naphthalene
Concen: 6.35 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX020244.D
Acq: 21 Dec 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATERDL



Tgt Ion:128 Resp: 83744

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.2	8.8	13.2

