

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013021\
 Data File : VX020806.D
 Acq On : 29 Jan 2021 16:47
 Operator : JC/SP
 Sample : M1285-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jan 30 02:36:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	280807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	466502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	427811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	171049	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	183569	47.93	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.86%
35) Dibromofluoromethane	5.458	113	158816	49.70	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.40%
50) Toluene-d8	8.696	98	571007	48.74	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.48%
62) 4-Bromofluorobenzene	11.122	95	189781	41.71	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.42%

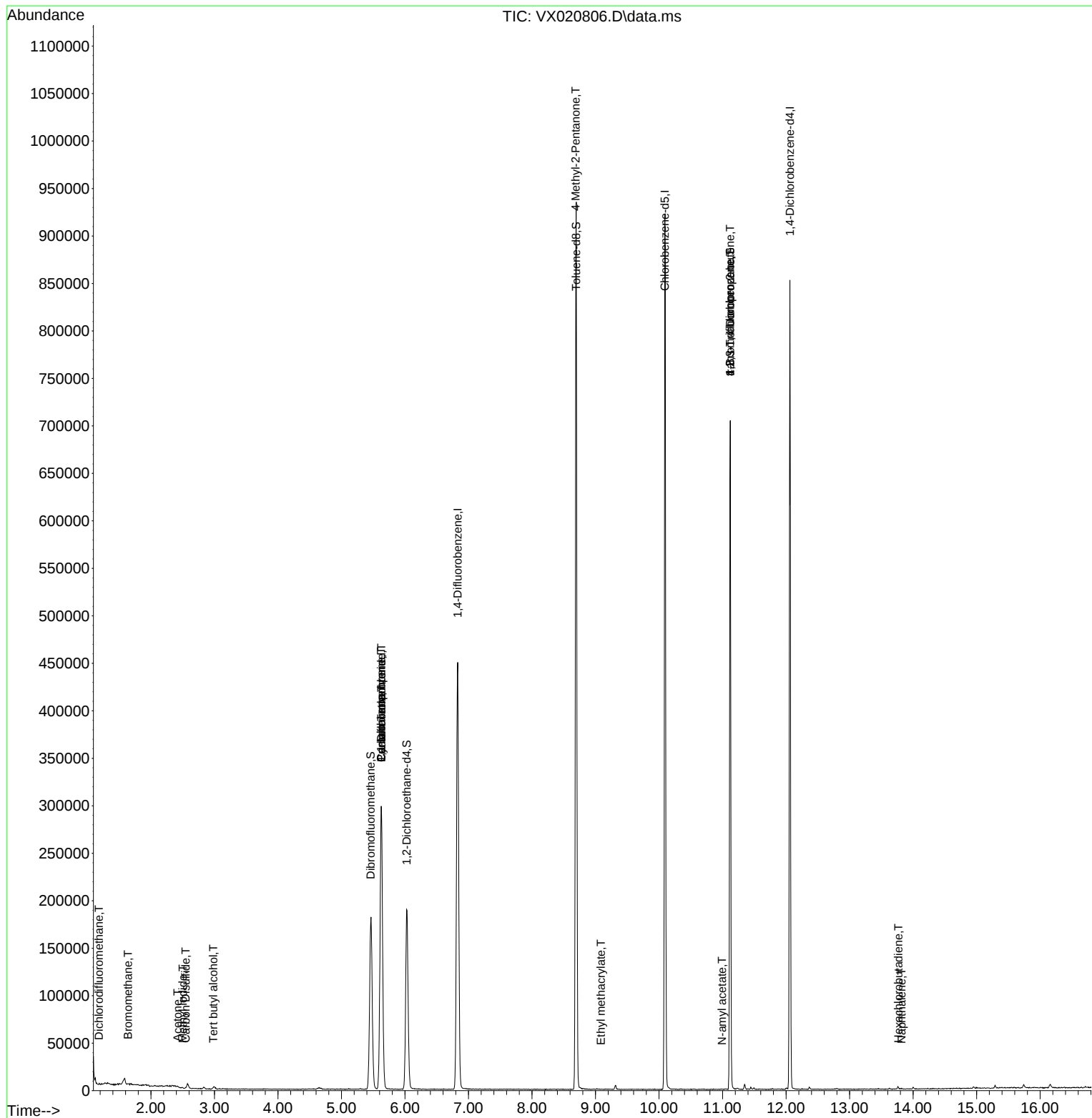
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	27	1.20	ug/l #	42
5) Bromomethane	1.636	94	452	0.24	ug/l	87
10) Methyl Iodide	2.502	142	806	0.21	ug/l #	91
11) Tert butyl alcohol	2.983	59	1553	2.17	ug/l #	73
16) Acetone	2.416	43	1761	1.21	ug/l	95
17) Carbon Disulfide	2.544	76	560	0.96	ug/l #	19
31) Cyclohexane	5.629	56	5194	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	21794	4.66	ug/l #	50
38) Carbon Tetrachloride	5.629	117	28694	5.83	ug/l #	17
51) 4-Methyl-2-Pentanone	8.689	43	2079	0.47	ug/l #	1
56) Ethyl methacrylate	9.086	69	35	2.79	ug/l #	29
74) N-amyl acetate	10.994	43	40	2.02	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	92334	23.27	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	92334	65.22	ug/l #	12
94) Hexachlorobutadiene	13.768	225	600	0.36	ug/l	91
95) Naphthalene	13.817	128	559	2.91	ug/l #	69

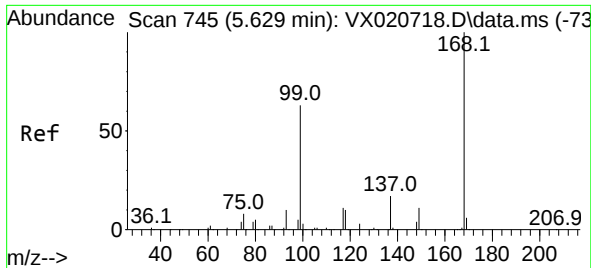
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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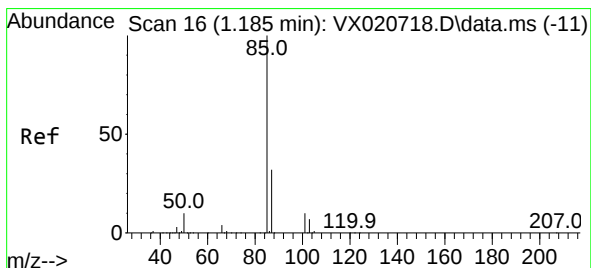
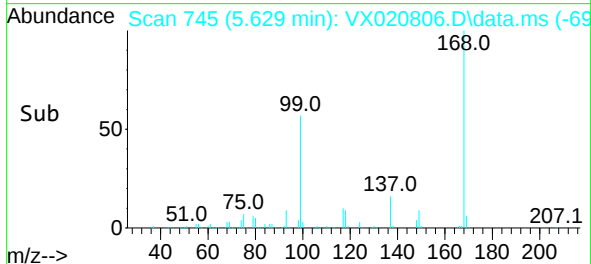
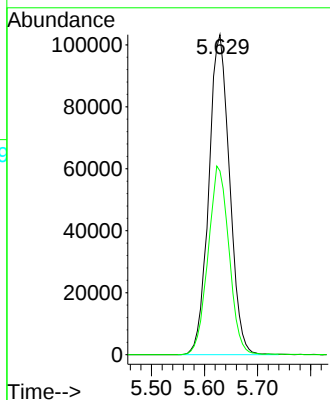
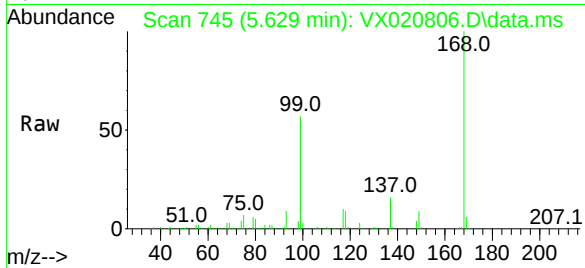




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

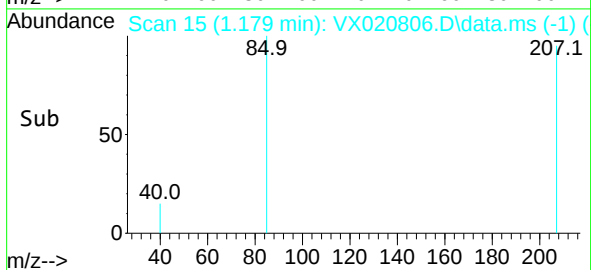
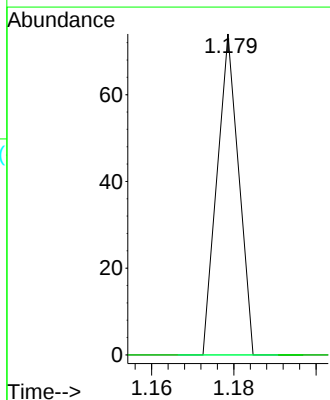
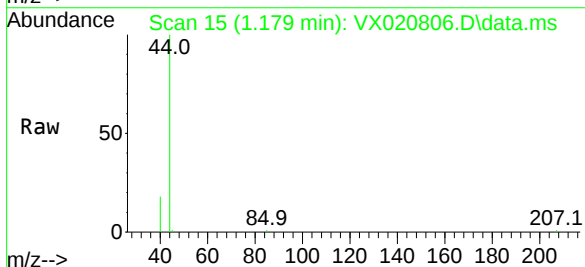
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

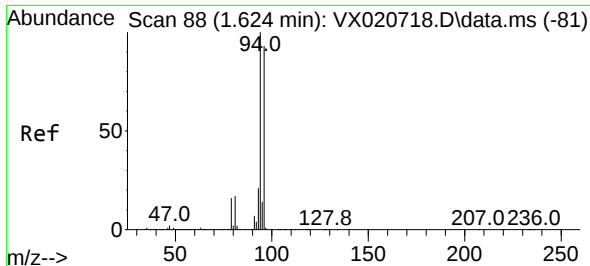
Tgt Ion:168 Resp: 280807
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.20 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

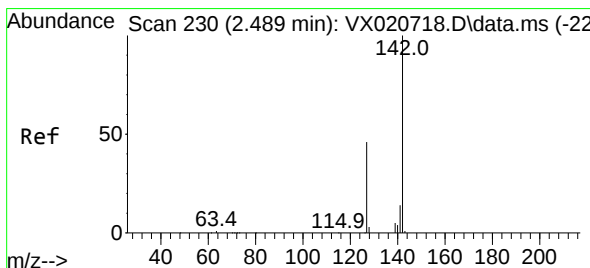
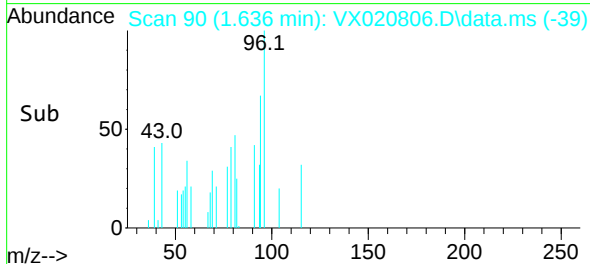
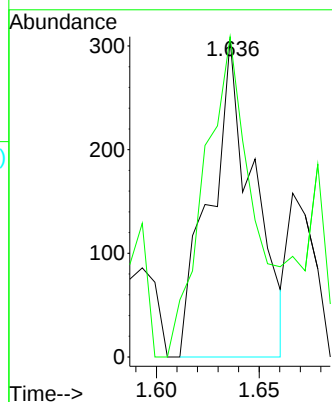
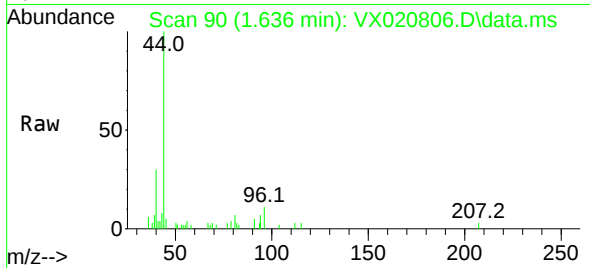




#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

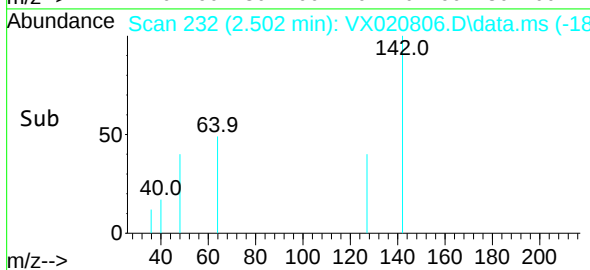
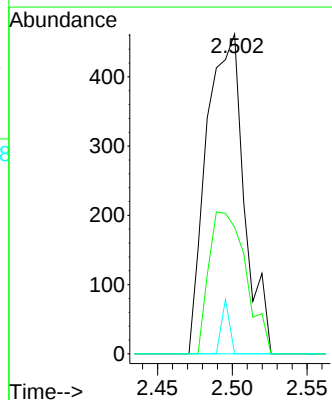
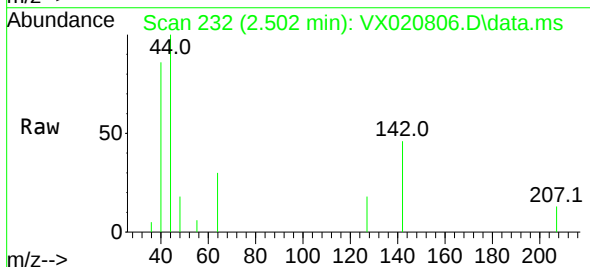
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

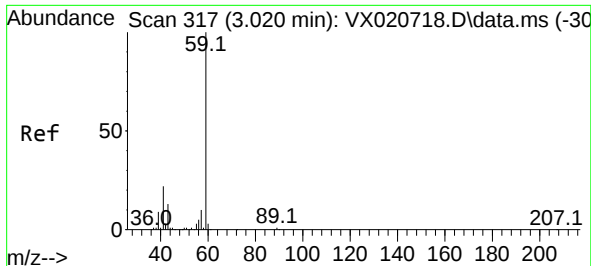
Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 82.7 76.4 114.6



#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 142 Resp: 806
Ion Ratio Lower Upper
142 100
127 43.7 33.3 49.9
141 3.6 11.4 17.0#



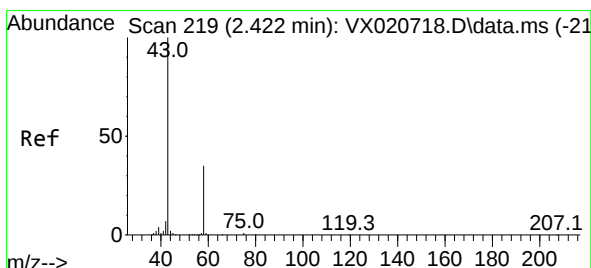
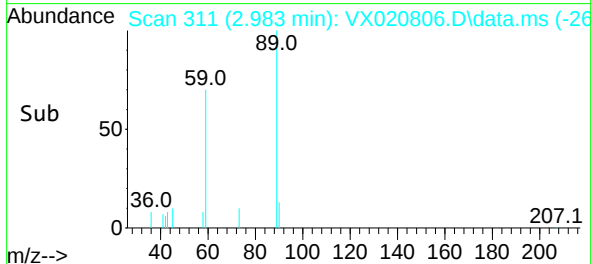
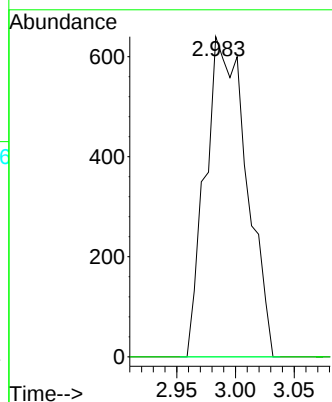
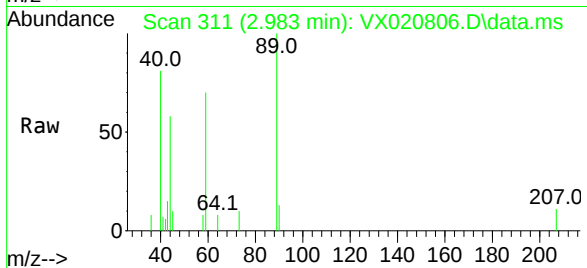


#11

Tert butyl alcohol
Concen: 2.17 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.037 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

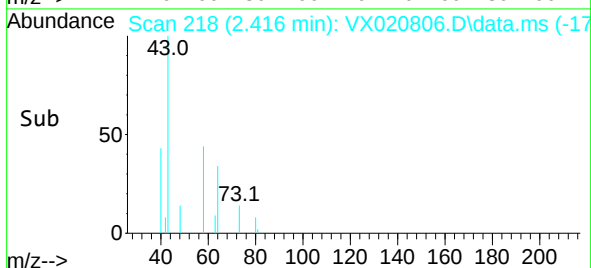
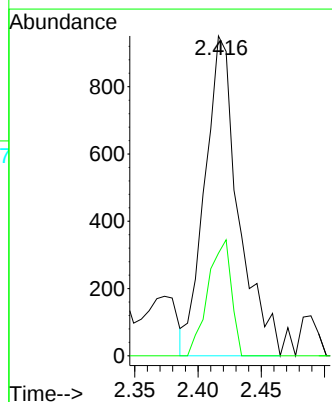
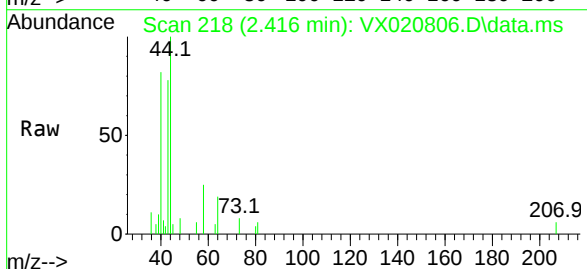
Tgt Ion: 59 Resp: 1553
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

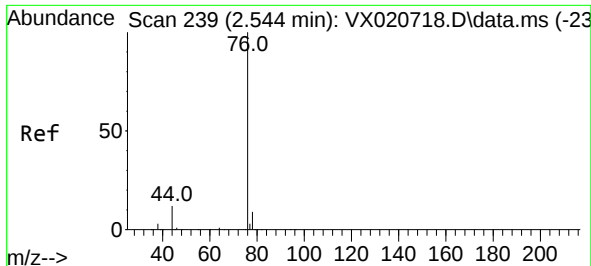


#16

Acetone
Concen: 1.21 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8

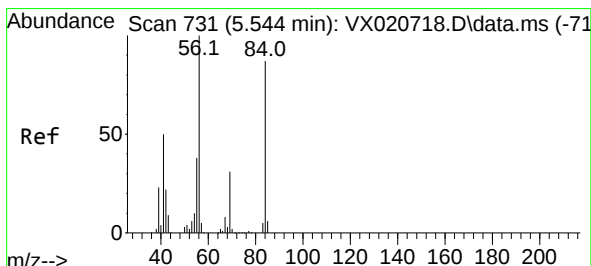
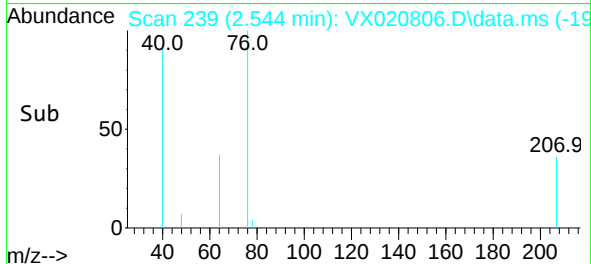
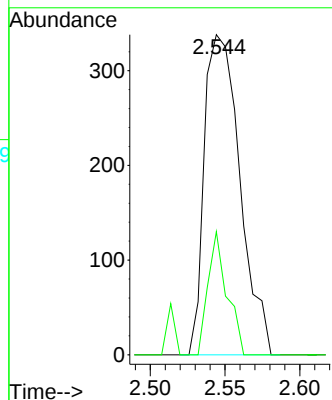
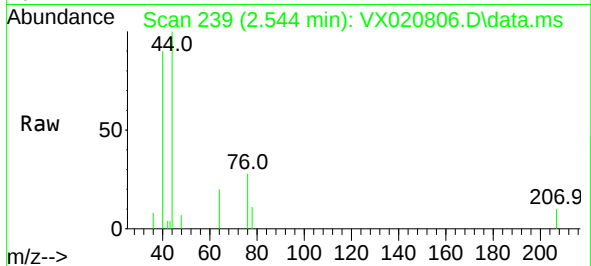




#17
Carbon Disulfide
Concen: 0.96 ug/l
RT: 2.544 min Scan# 239
Delta R.T. 0.000 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

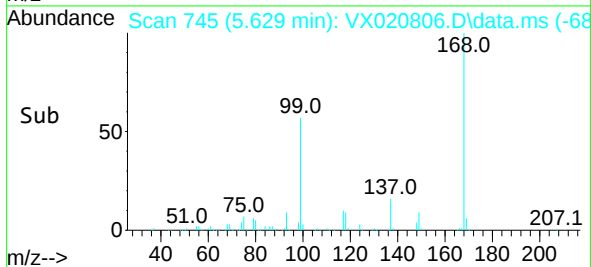
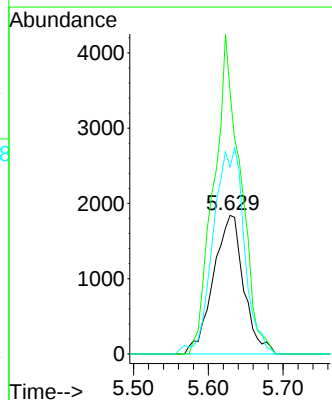
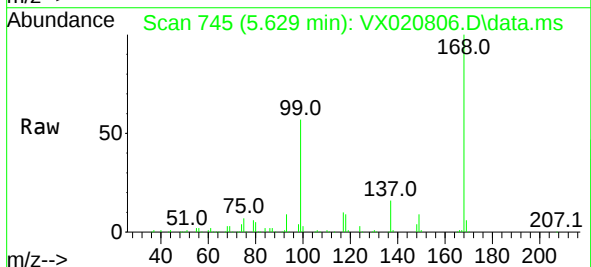
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

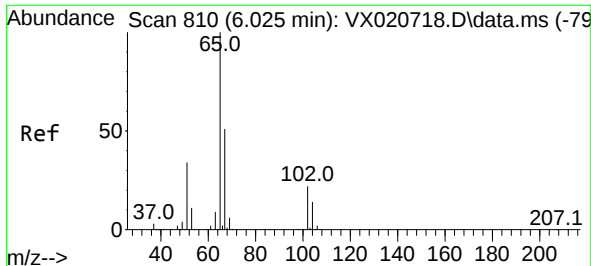
Tgt Ion: 76 Resp: 560
Ion Ratio Lower Upper
76 100
78 38.5 7.2 10.8#



#31
Cyclohexane
Concen: 1.01 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.085 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 56 Resp: 5194
Ion Ratio Lower Upper
56 100
69 188.7 25.3 37.9#
84 135.0 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.93 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020806.D

Acq: 29 Jan 2021 16:47

Tgt Ion: 65 Resp: 183569

Ion Ratio Lower Upper

65 100

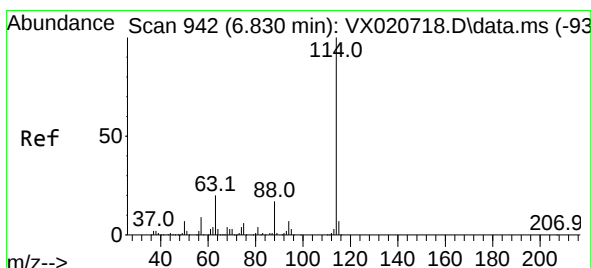
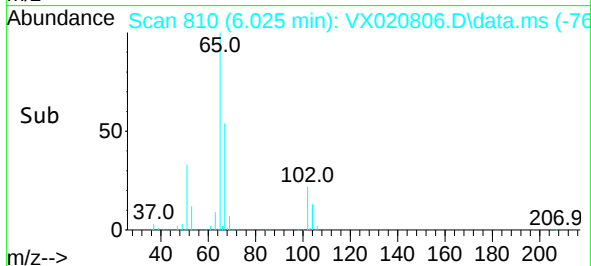
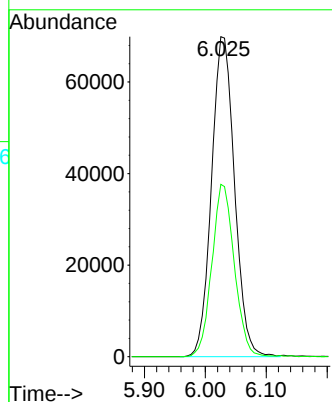
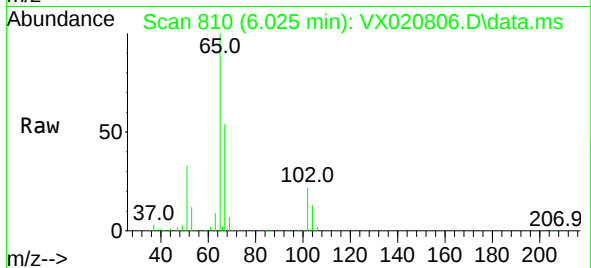
67 52.5 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX020806.D

Acq: 29 Jan 2021 16:47

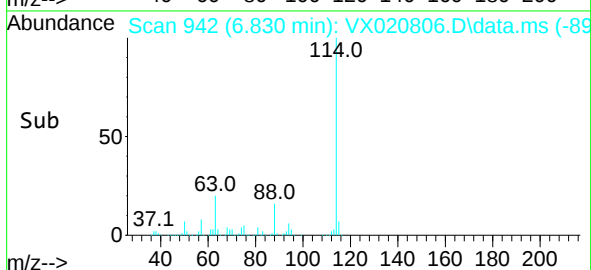
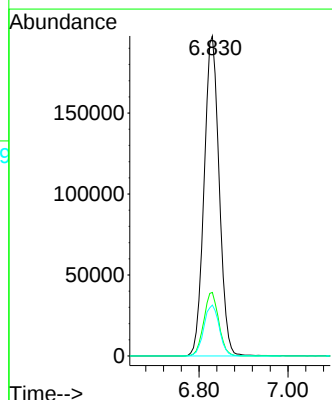
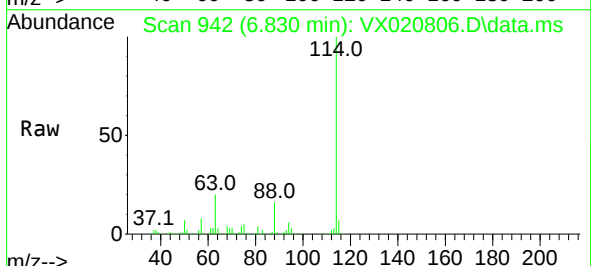
Tgt Ion: 114 Resp: 466502

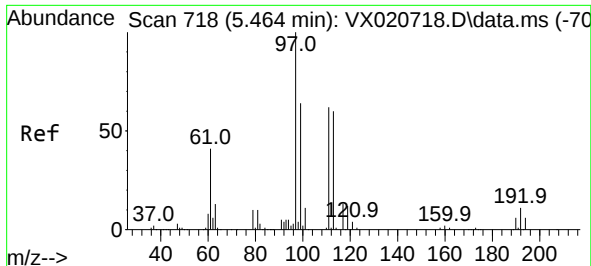
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

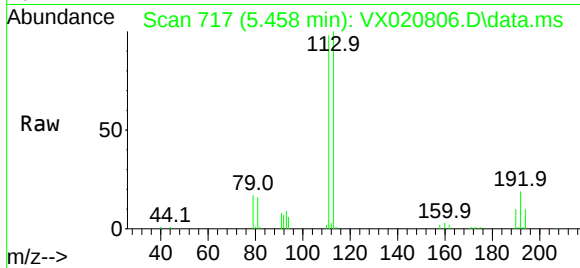
88 15.9 0.0 32.8



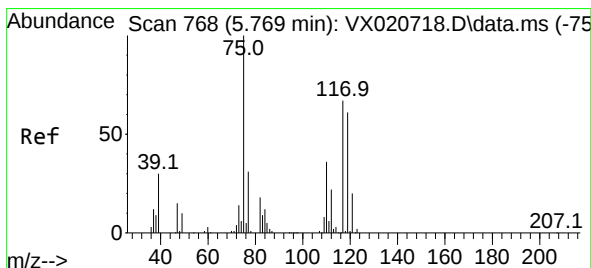
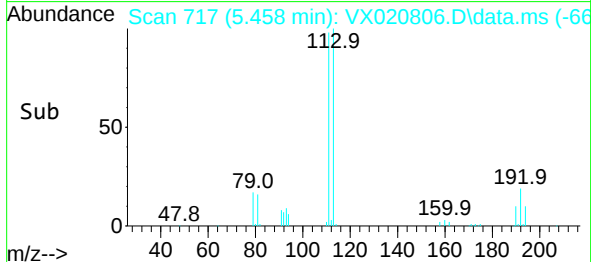
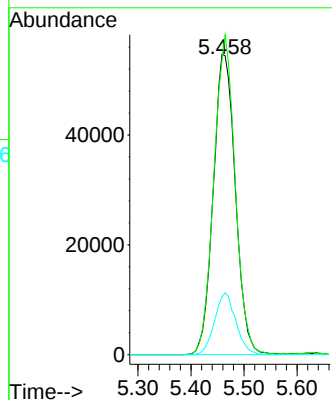


#35
Dibromofluoromethane
Concen: 49.70 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

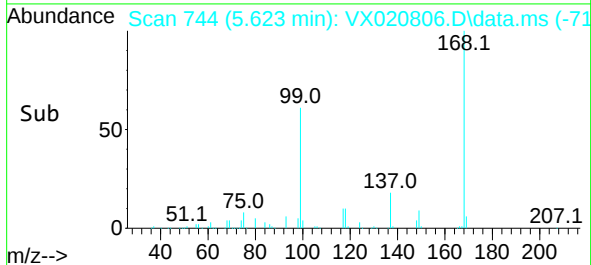
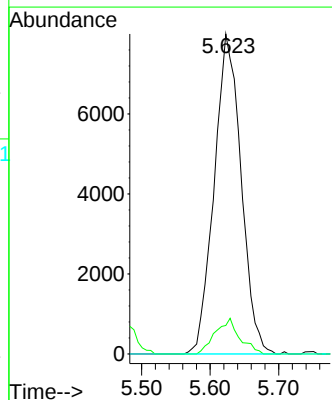
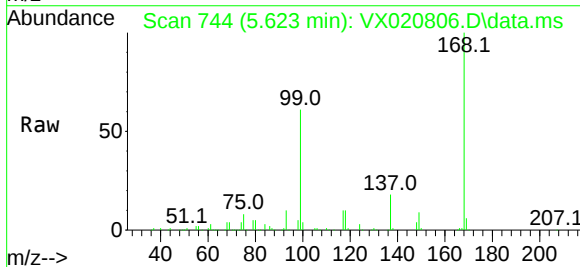


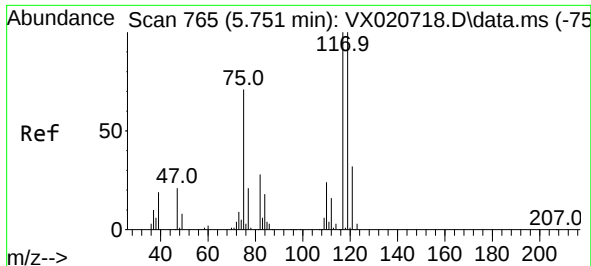
Tgt Ion:113 Resp: 158816
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

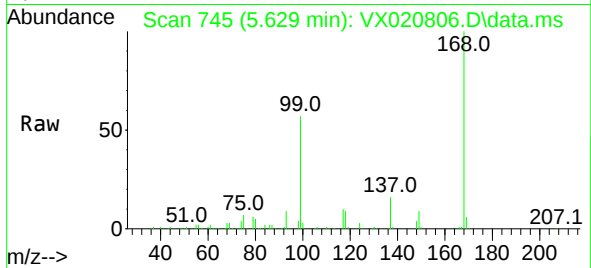
Tgt Ion: 75 Resp: 21794
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



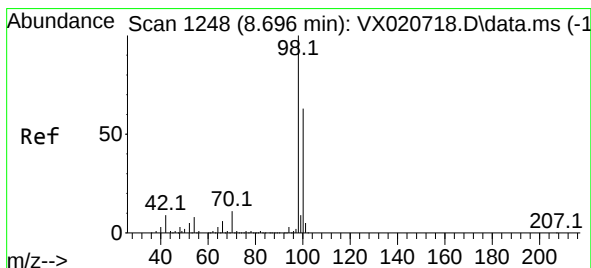
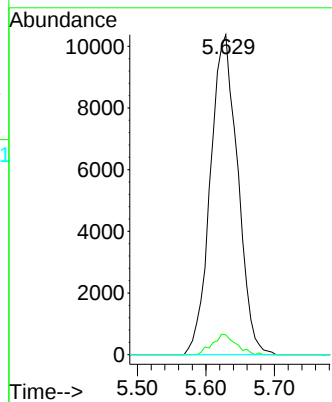
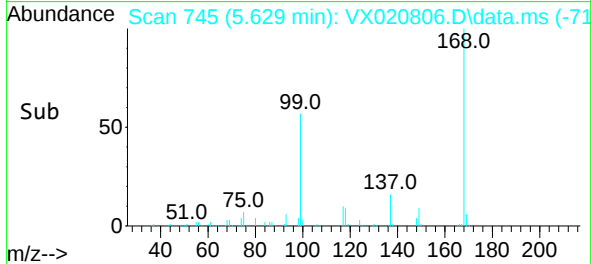


#38
Carbon Tetrachloride
Concen: 5.83 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

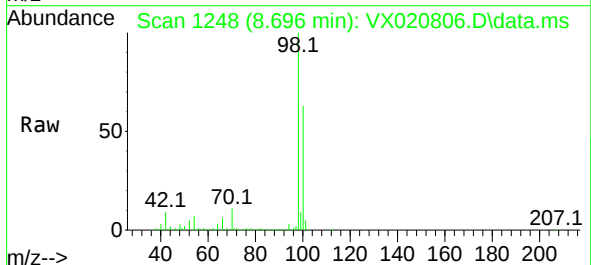
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6



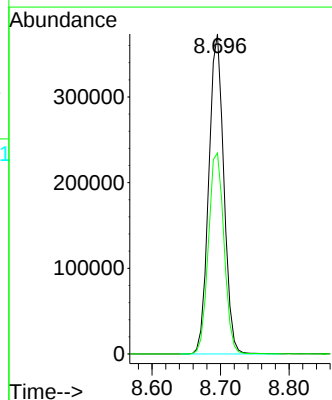
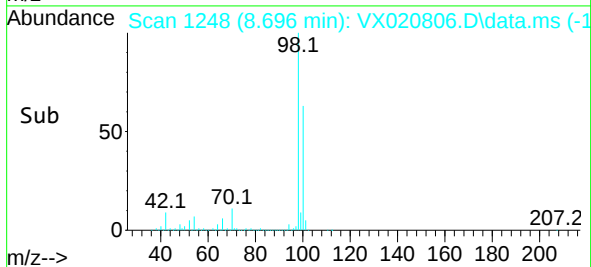
Tgt Ion:117 Resp: 28694
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

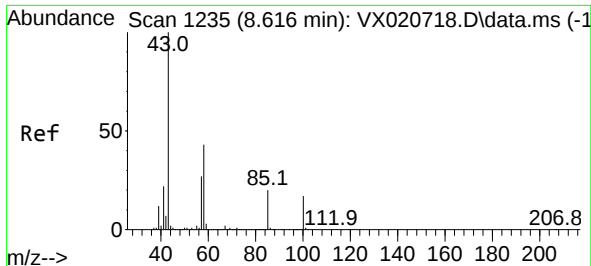


#50
Toluene-d8
Concen: 48.74 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47



Tgt Ion: 98 Resp: 571007
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

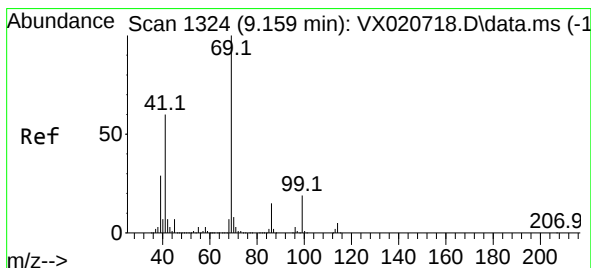
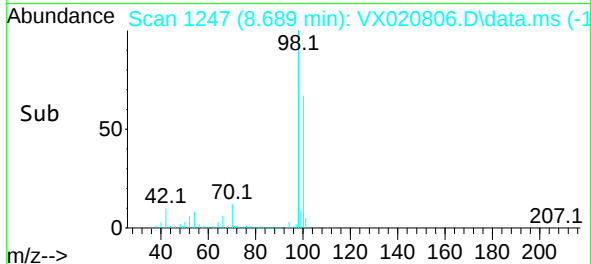
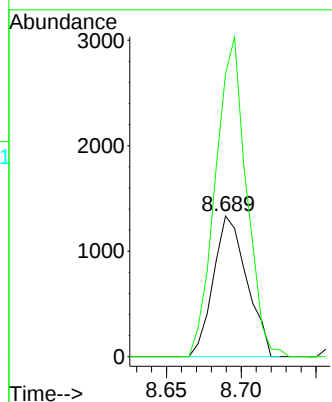
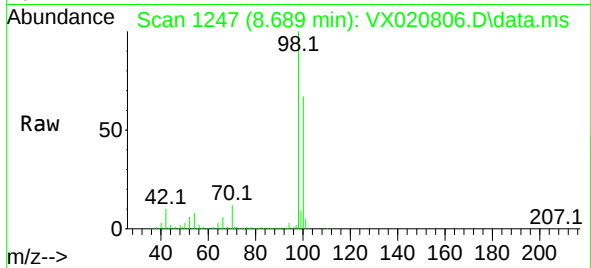




#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

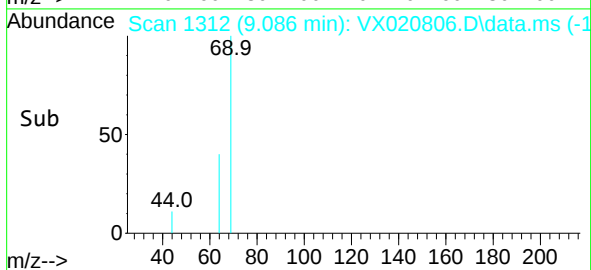
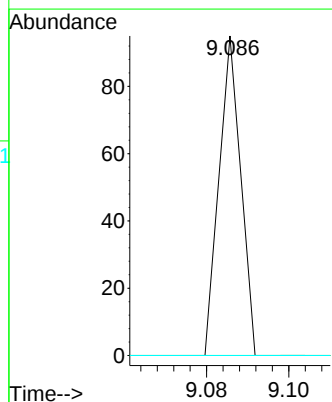
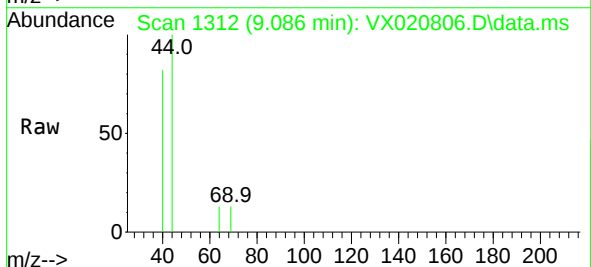
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

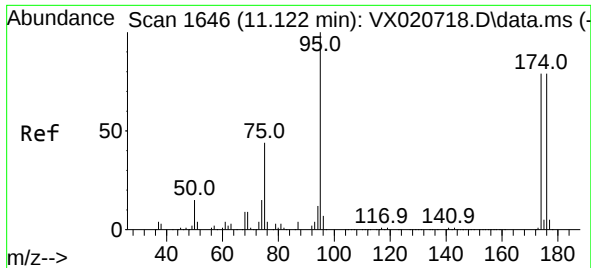
Tgt Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
58 209.8 35.4 53.0#



#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 9.086 min Scan# 1312
Delta R.T. -0.073 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 69 Resp: 35
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

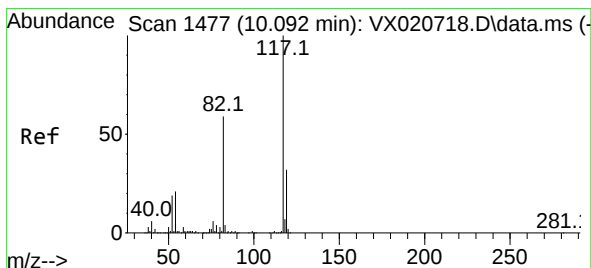
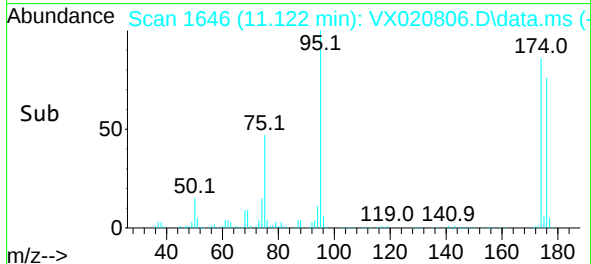
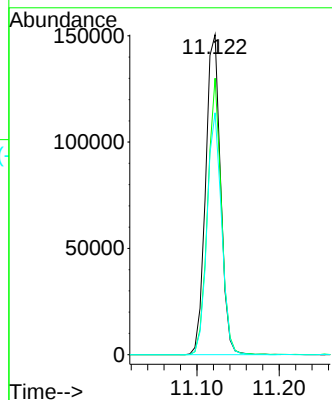
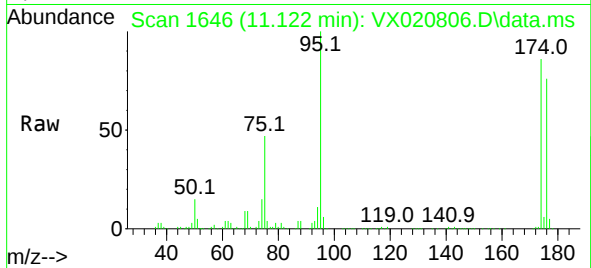




#62
4-Bromofluorobenzene
Concen: 41.71 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

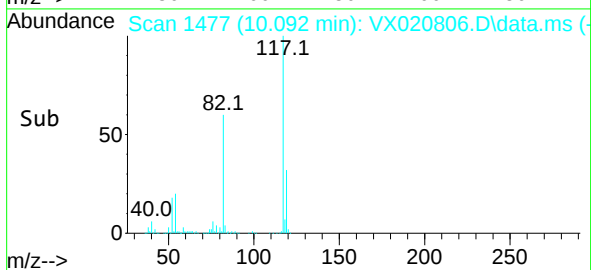
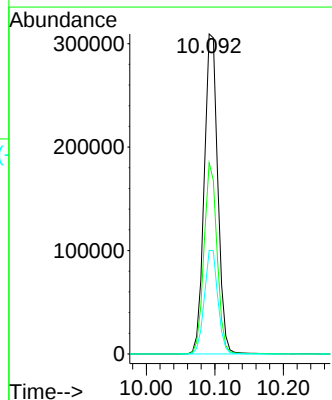
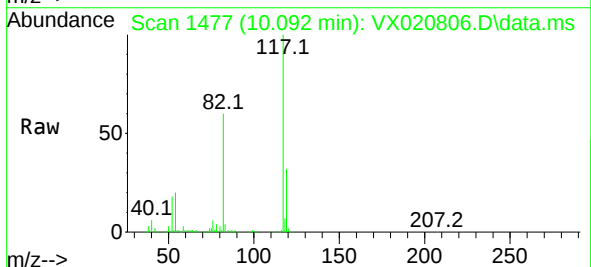
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

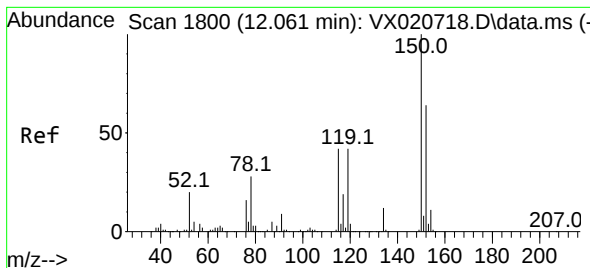
Tgt Ion: 95 Resp: 189781
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 73.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 117 Resp: 427811
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.4 26.6 39.8

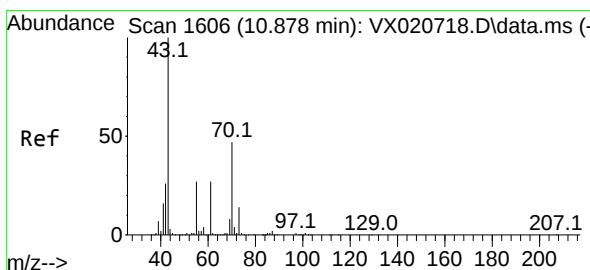
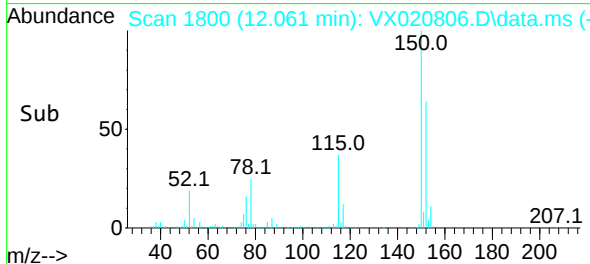
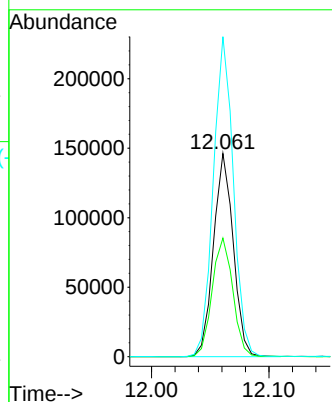
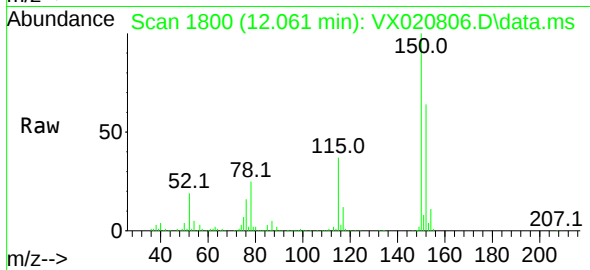




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

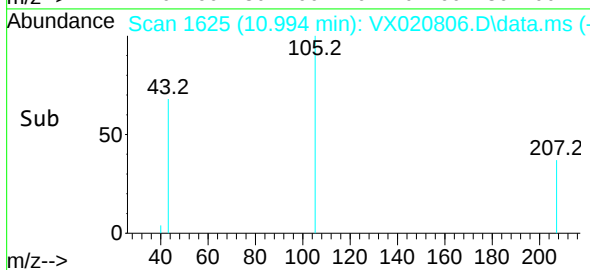
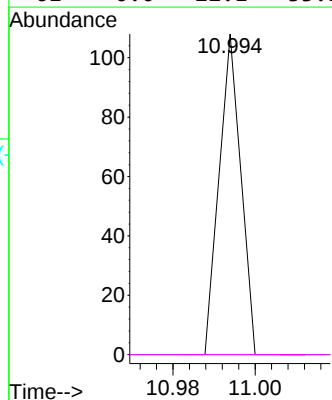
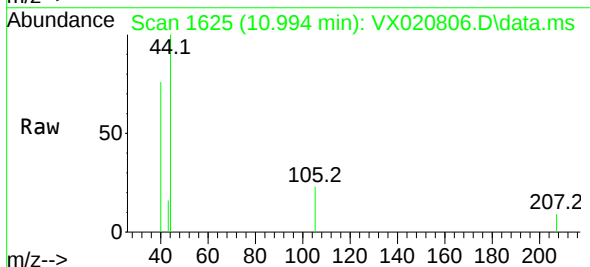
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

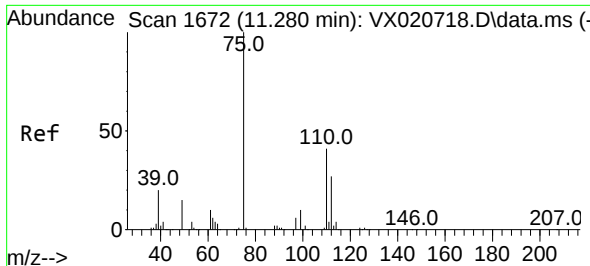
Tgt Ion:152 Resp: 171049
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 159.4 0.0 349.0



#74
N-ethyl acetate
Concen: 2.02 ug/l
RT: 10.994 min Scan# 1625
Delta R.T. 0.116 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

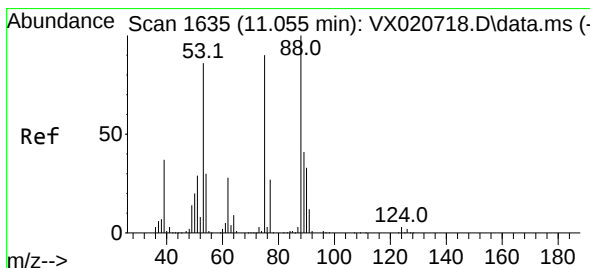
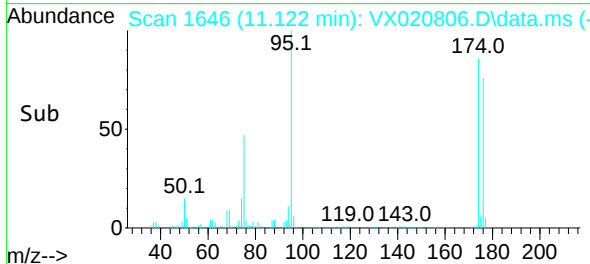
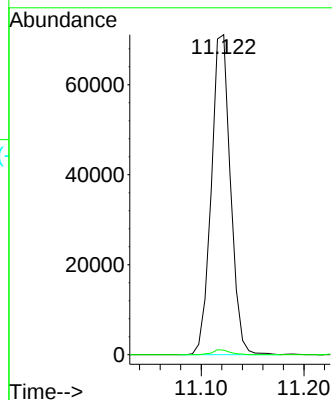
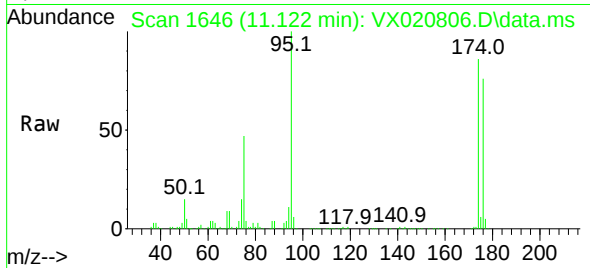




#76
1,2,3-Trichloropropane
Concen: 23.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

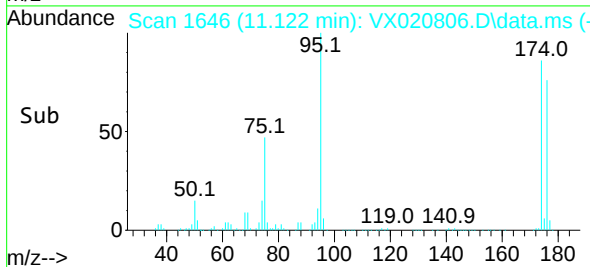
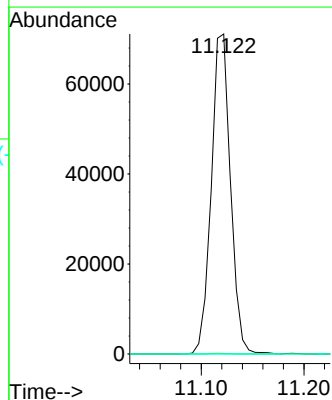
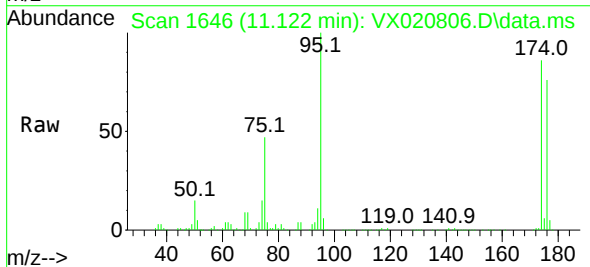
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

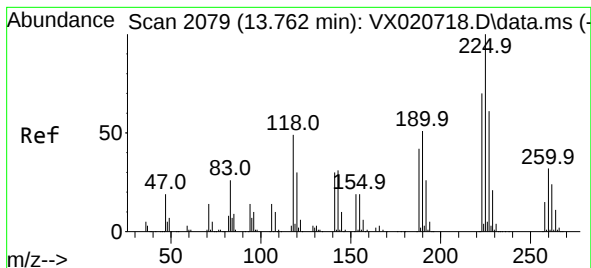
Tgt Ion: 75 Resp: 92334
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.22 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020806.D
Acq: 29 Jan 2021 16:47

Tgt Ion: 75 Resp: 92334
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#





#94

Hexachlorobutadiene

Concen: 0.36 ug/l

RT: 13.768 min Scan# 2080

Delta R.T. 0.006 min

Lab File: VX020806.D

Acq: 29 Jan 2021 16:47

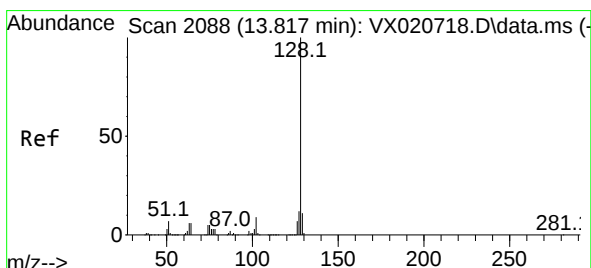
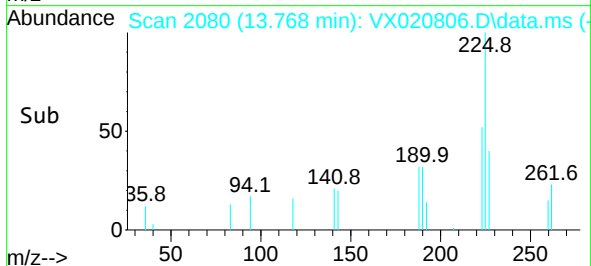
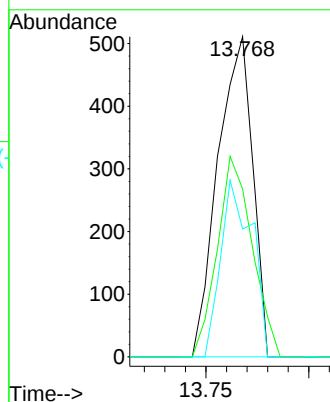
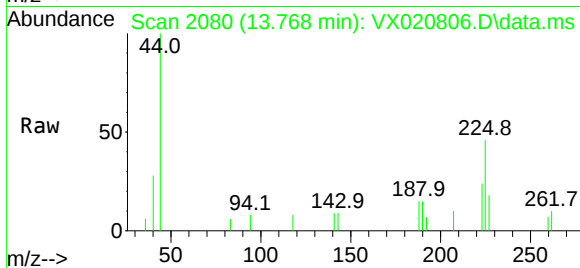
Tgt Ion:	225	Resp:	600
Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.2
227	50.0	31.6	95.0

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



#95

Naphthalene

Concen: 2.91 ug/l

RT: 13.817 min Scan# 2088

Delta R.T. -0.000 min

Lab File: VX020806.D

Acq: 29 Jan 2021 16:47

Tgt Ion:	128	Resp:	559
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

