

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021219.D
 Acq On : 15 Mar 2021 23:34
 Operator : JC/MD
 Sample : M1645-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Mar 16 04:40:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:55:59 2021
 Response via : Initial Calibration

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

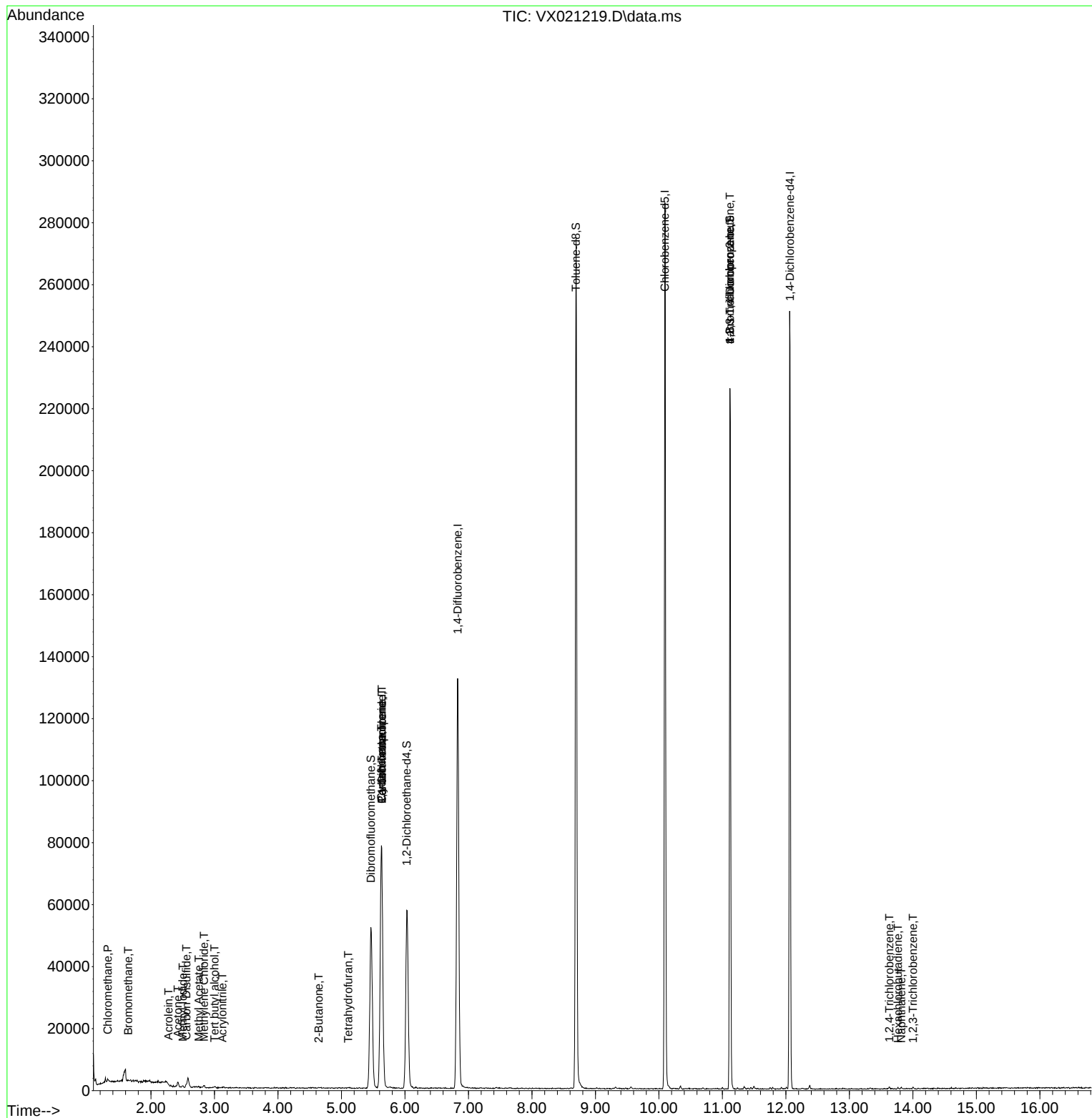
Internal Standards						
1) Pentafluorobenzene	5.635	168	66991	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	123141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	47550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	57927	50.71	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.42%			
35) Dibromofluoromethane	5.464	113	41921	49.48	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.96%			
50) Toluene-d8	8.694	98	155014	50.93	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.86%			
62) 4-Bromofluorobenzene	11.118	95	58723	50.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.26%			
Target Compounds					Qvalue	
3) Chloromethane	1.317	50	229	0.26	ug/l #	83
5) Bromomethane	1.640	94	187	0.38	ug/l	98
10) Methyl Iodide	2.499	142	389	0.40	ug/l #	69
11) Tert butyl alcohol	2.999	59	154	0.77	ug/l #	73
13) Acrolein	2.276	56	140	1.14	ug/l	92
15) Acrylonitrile	3.123	53	108	0.25	ug/l #	35
16) Acetone	2.423	43	1847	4.02	ug/l #	86
17) Carbon Disulfide	2.558	76	859	0.40	ug/l #	75
18) Methyl Acetate	2.752	43	581	0.52	ug/l #	47
20) Methylene Chloride	2.834	84	283	0.33	ug/l #	89
25) 2-Butanone	4.641	43	281	0.43	ug/l #	45
29) Tetrahydrofuran	5.105	42	103	0.24	ug/l #	27
31) Cyclohexane	5.629	56	2093	1.45	ug/l #	47
36) 1,1-Dichloropropene	5.635	75	6383	4.95	ug/l #	48
38) Carbon Tetrachloride	5.635	117	7466	5.27	ug/l #	17
76) 1,2,3-Trichloropropane	11.118	75	33755	28.63	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	33755	81.26	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.630	180	252	0.26	ug/l #	81
94) Hexachlorobutadiene	13.765	225	97	0.23	ug/l #	33
95) Naphthalene	13.818	128	570	1.62	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.001	180	148	1.07	ug/l #	71

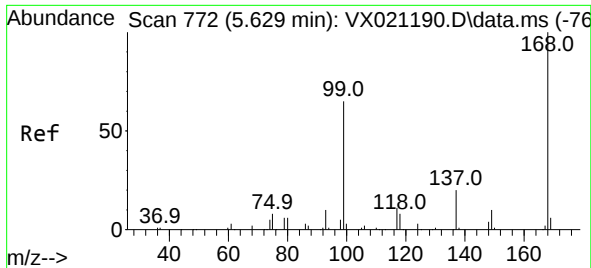
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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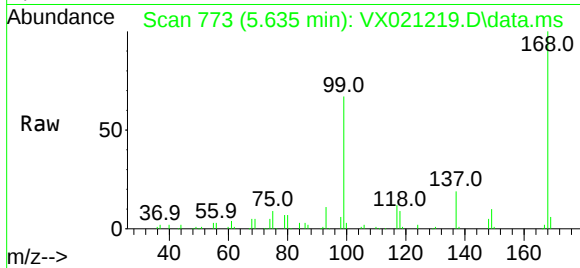
Quant Time: Mar 16 04:40:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 15 11:55:59 2021
Response via : Initial Calibration



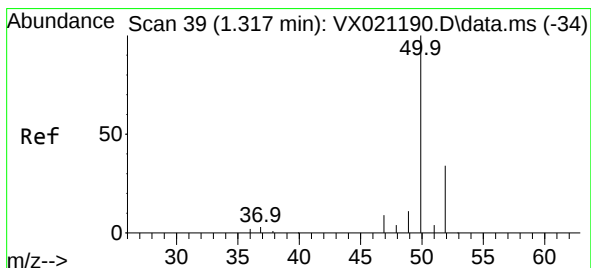
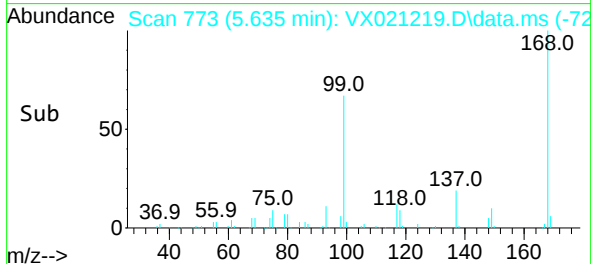
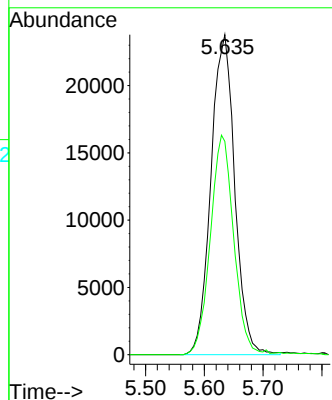


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

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

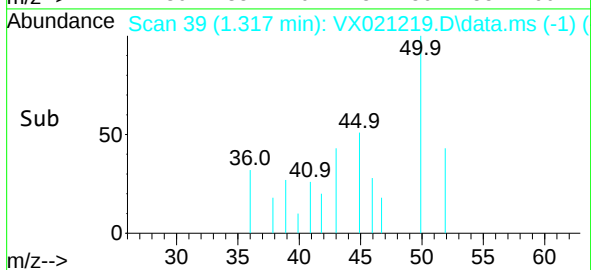
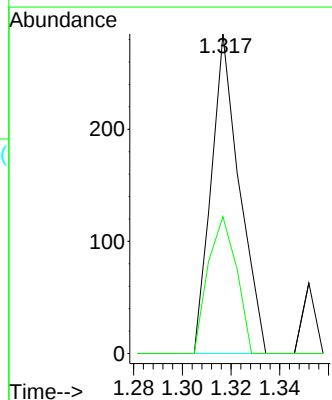
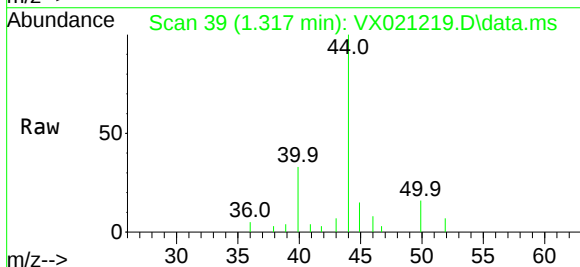


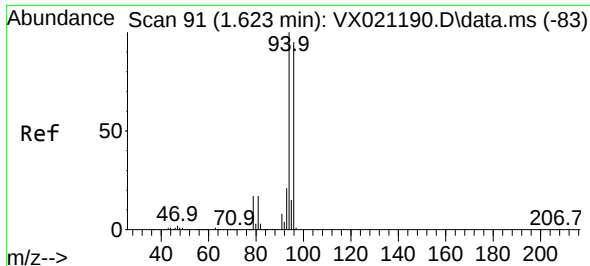
Tgt Ion:168 Resp: 66991
Ion Ratio Lower Upper
168 100
99 66.6 45.8 68.6



#3
Chloromethane
Concen: 0.26 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 42.8 26.4 39.6#

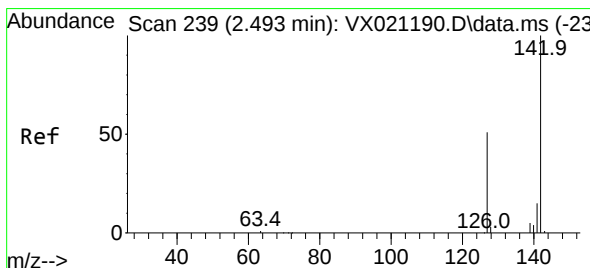
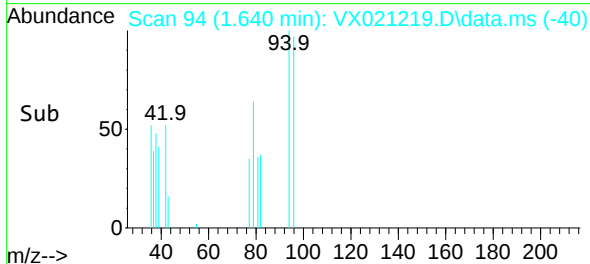
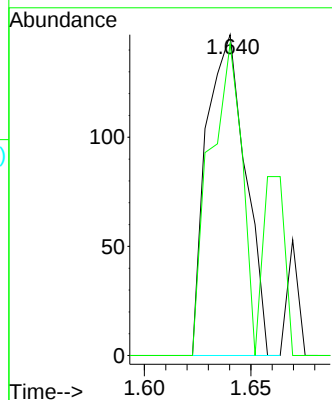
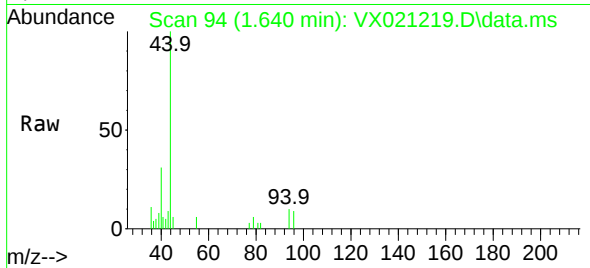




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

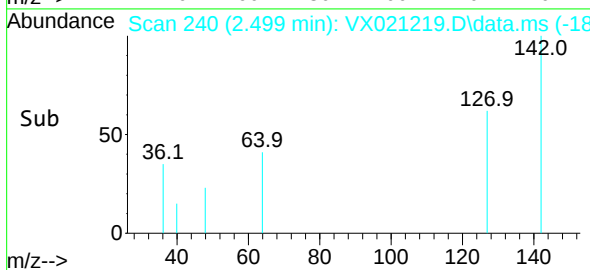
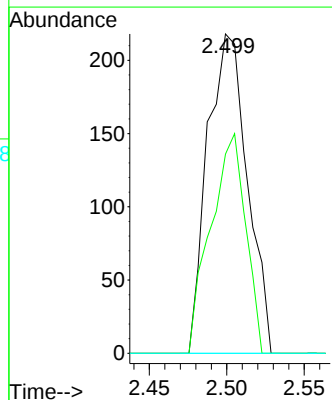
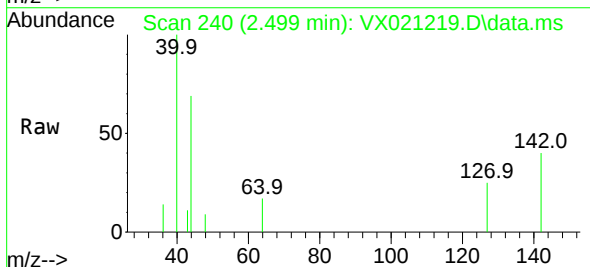
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

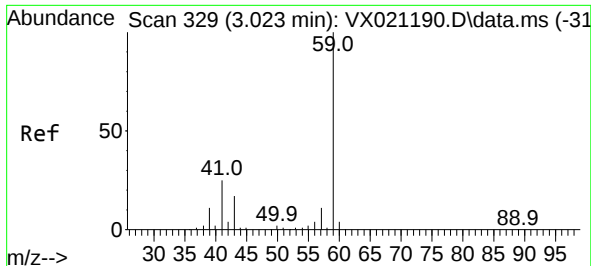
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 97.3 76.4 114.6



#10
Methyl Iodide
Concen: 0.40 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 142 Resp: 389
Ion Ratio Lower Upper
142 100
127 60.4 33.3 49.9#
141 0.0 11.4 17.0#

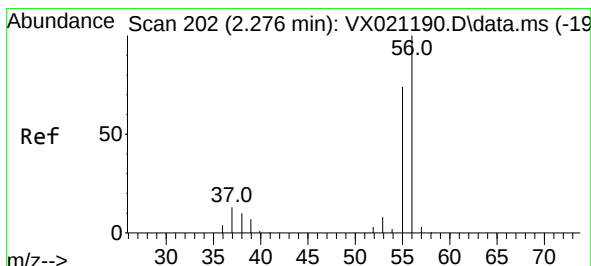
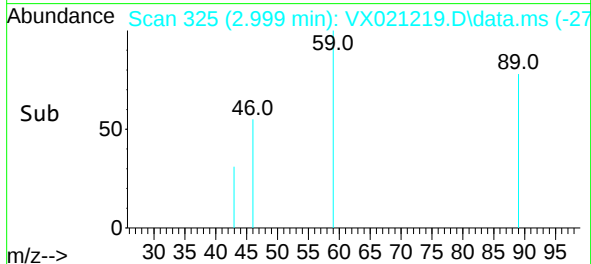
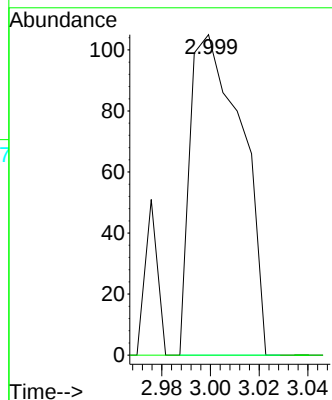
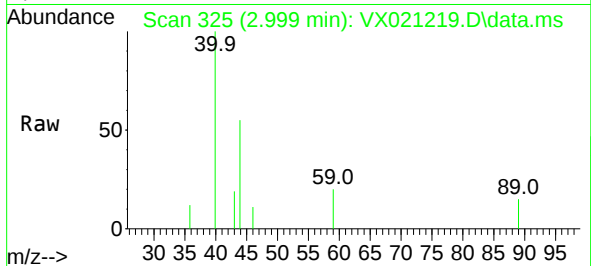




#11
Tert butyl alcohol
Concen: 0.77 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

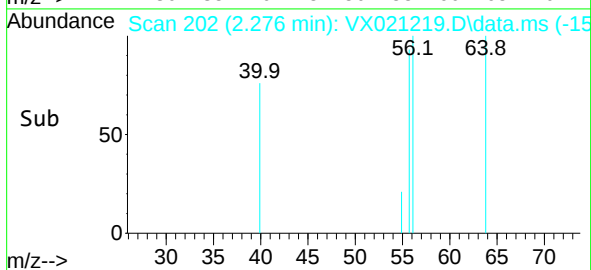
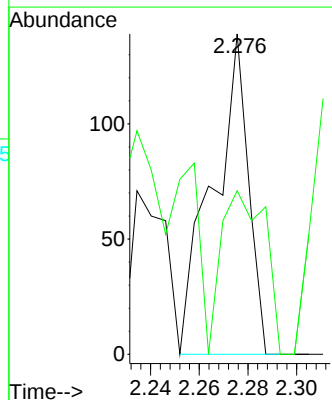
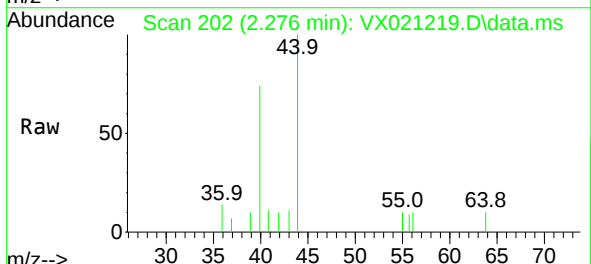
Instrument :
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STORAGE-BLANK-SOIL-REF-6

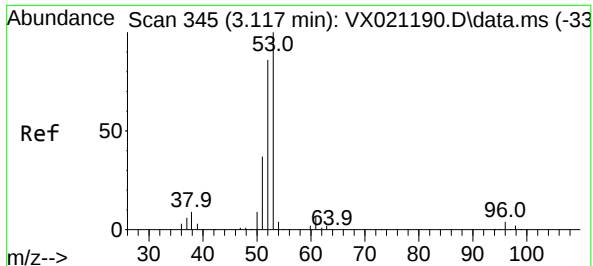
Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.14 ug/l
RT: 2.276 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 63.6 56.4 84.6

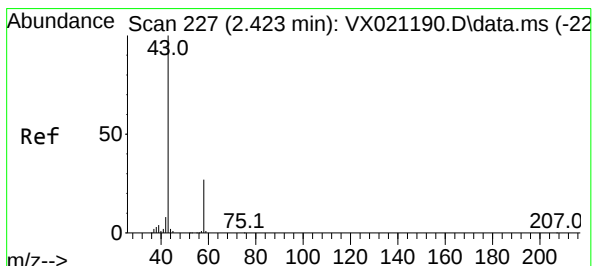
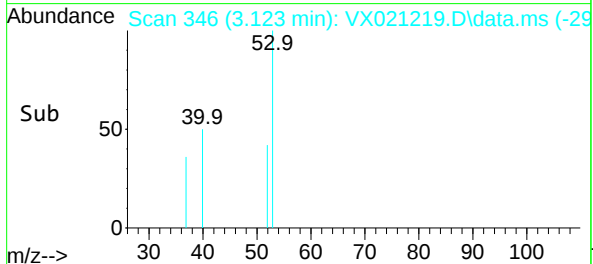
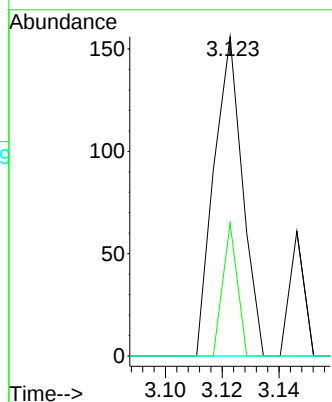
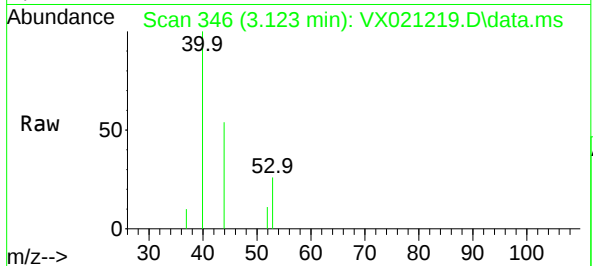




#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.123 min Scan# 346
Delta R.T. 0.006 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

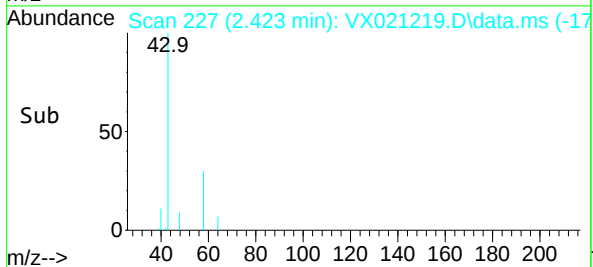
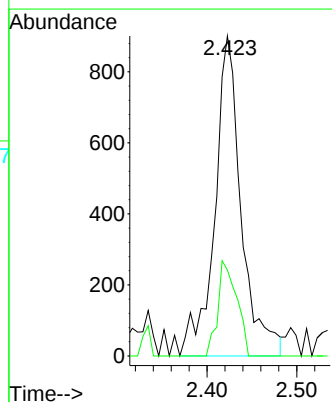
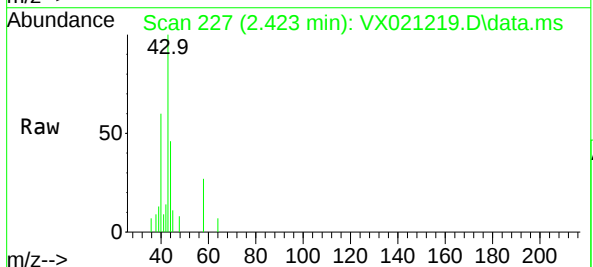
Instrument :
MSVOA_X
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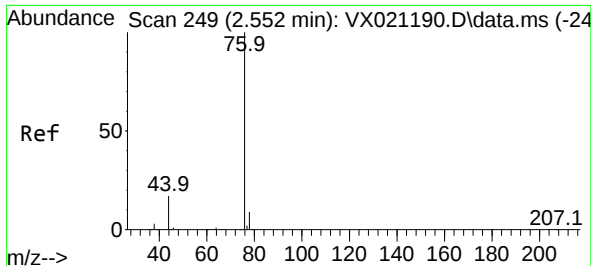
Tgt Ion: 53 Resp: 108
Ion Ratio Lower Upper
53 100
52 21.3 65.3 97.9#
51 0.0 28.2 42.2#



#16
Acetone
Concen: 4.02 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 43 Resp: 1847
Ion Ratio Lower Upper
43 100
58 26.9 27.8 41.8#

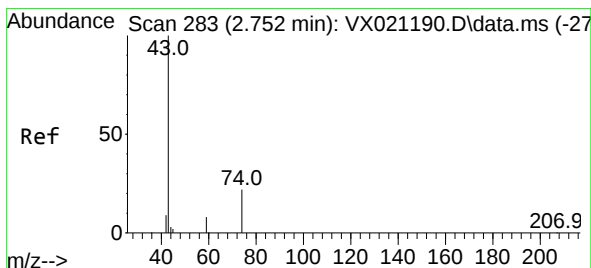
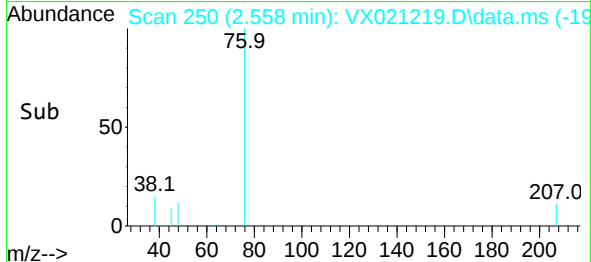
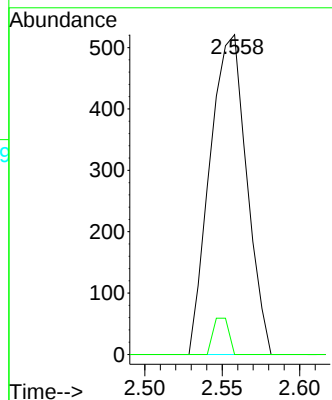
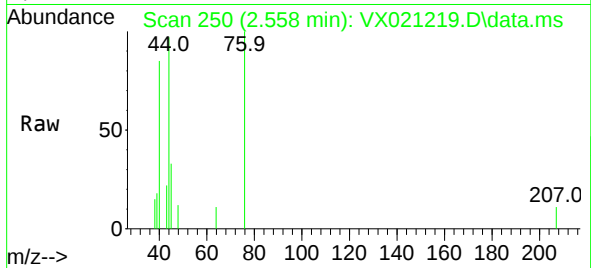




#17
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.558 min Scan# 250
Delta R.T. 0.012 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

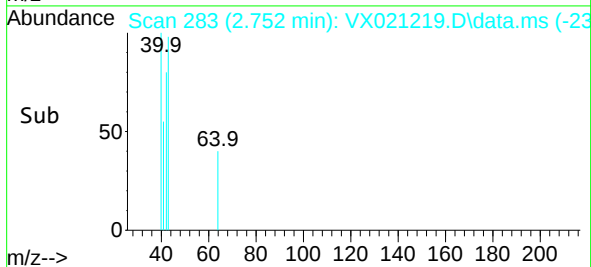
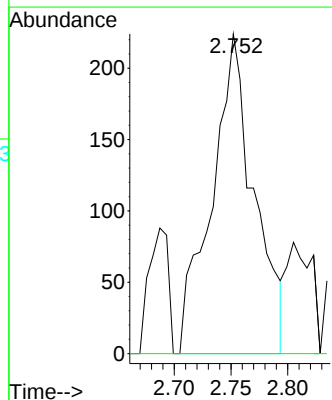
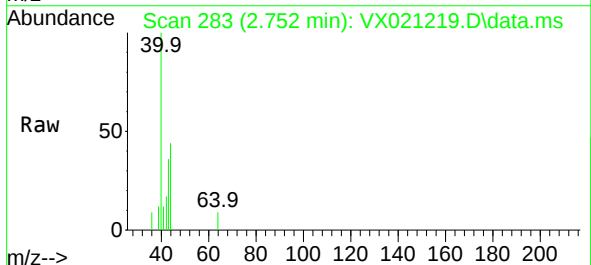
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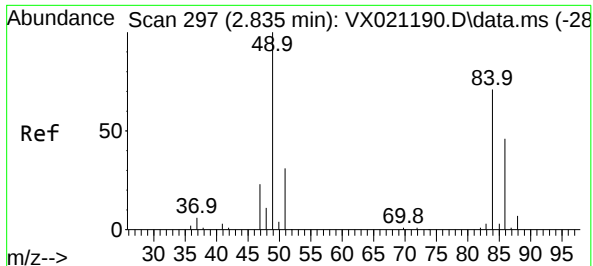
Tgt Ion: 76 Resp: 859
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.33 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX021219.D

Acq: 15 Mar 2021 23:34

Tgt Ion: 84 Resp: 283

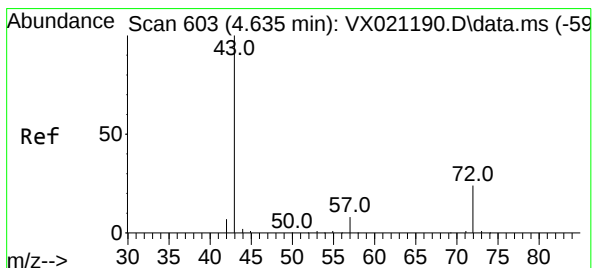
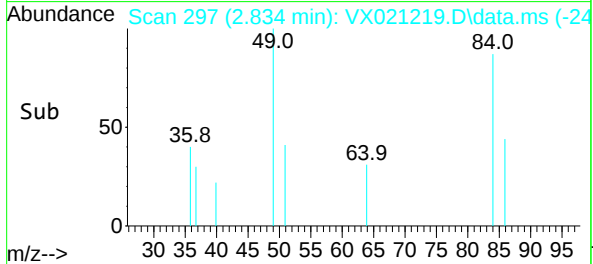
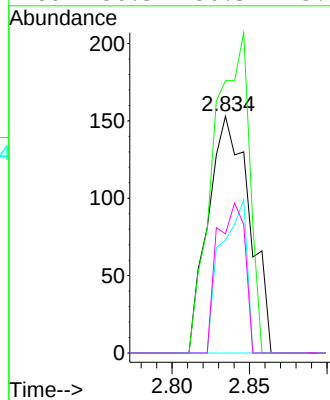
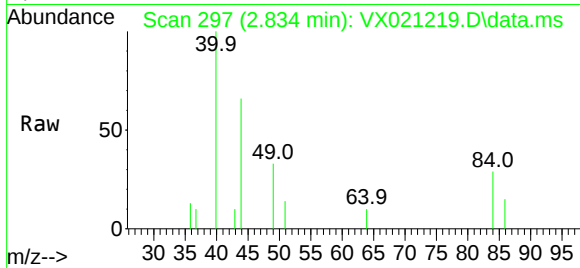
Ion Ratio Lower Upper

84 100

49 115.0 88.6 132.8

51 47.7 27.0 40.6#

86 50.3 50.3 75.5



#25

2-Butanone

Concen: 0.43 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021219.D

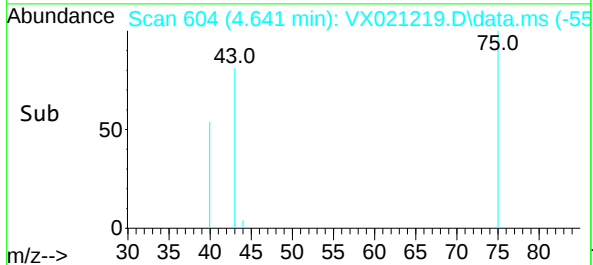
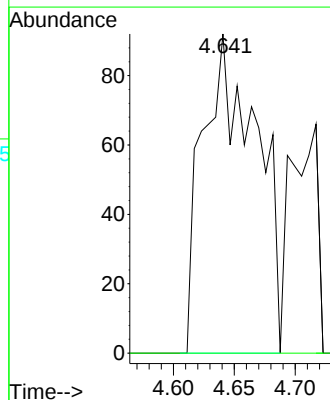
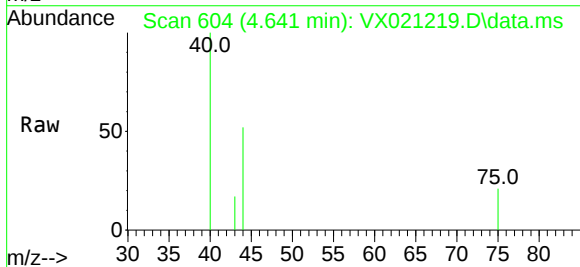
Acq: 15 Mar 2021 23:34

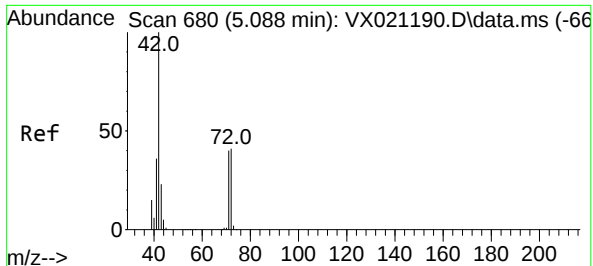
Tgt Ion: 43 Resp: 281

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.018 min

Lab File: VX021219.D

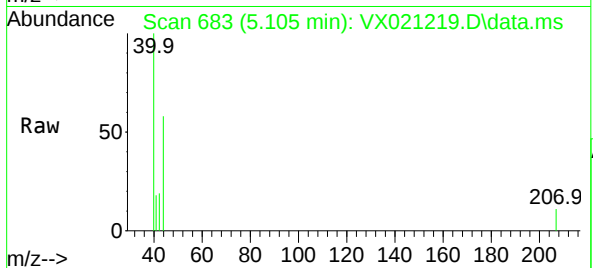
Acq: 15 Mar 2021 23:34

Instrument :

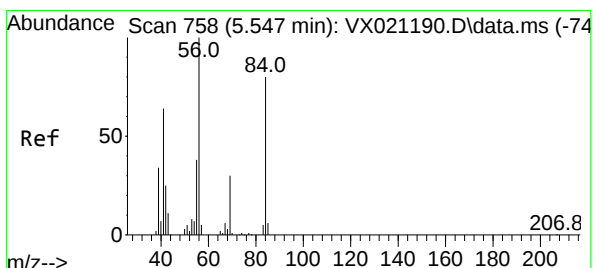
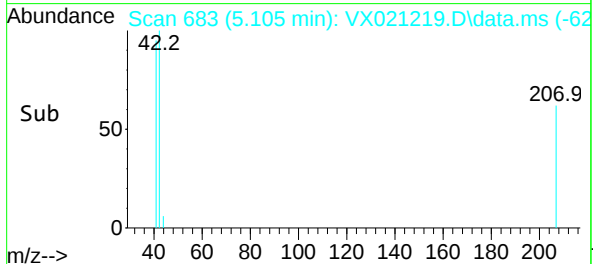
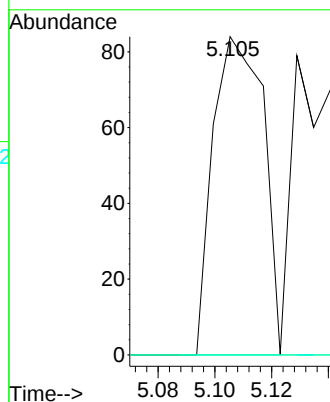
MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:	42	Resp:	103
Ion Ratio	Lower	Upper	
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.45 ug/l

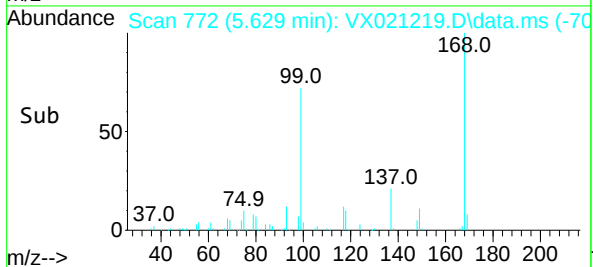
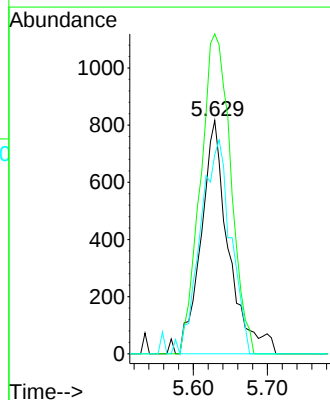
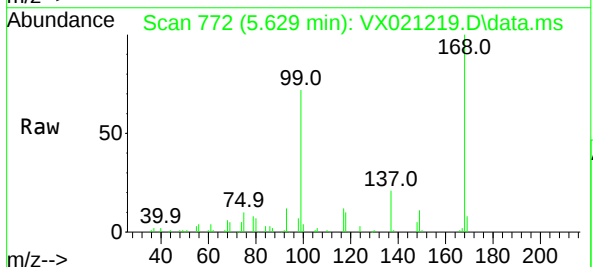
RT: 5.629 min Scan# 772

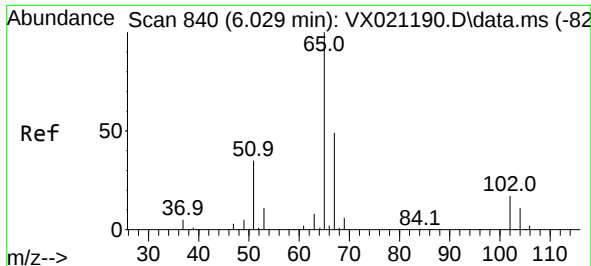
Delta R.T. 0.082 min

Lab File: VX021219.D

Acq: 15 Mar 2021 23:34

Tgt Ion:	56	Resp:	2093
Ion Ratio	Lower	Upper	
56	100		
69	137.1	25.3	37.9#
84	85.4	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 50.71 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021219.D

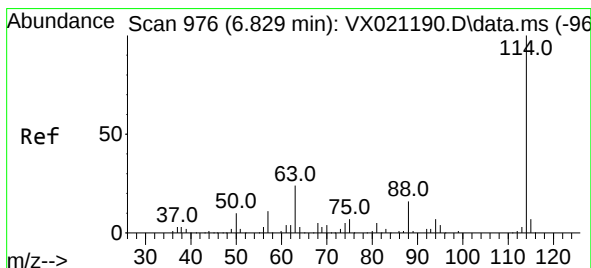
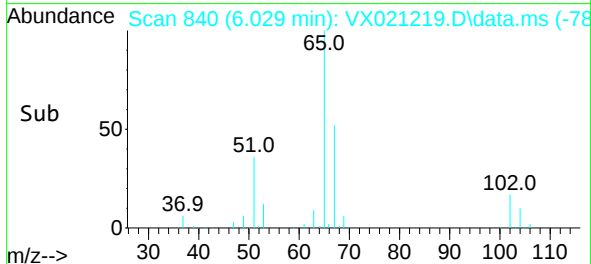
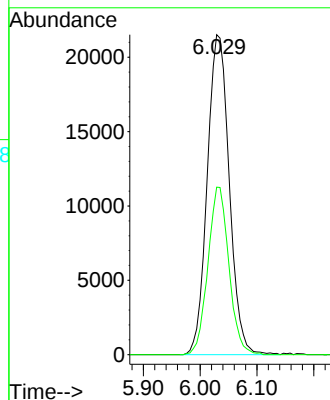
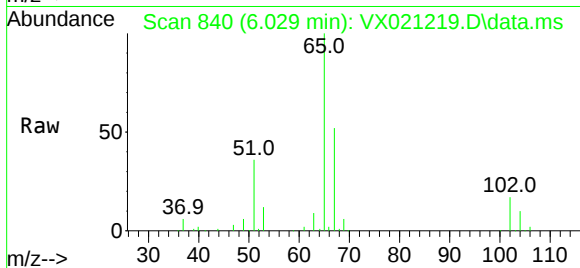
Acq: 15 Mar 2021 23:34

Tgt Ion: 65 Resp: 57927

Ion Ratio Lower Upper

65 100

67 49.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021219.D

Acq: 15 Mar 2021 23:34

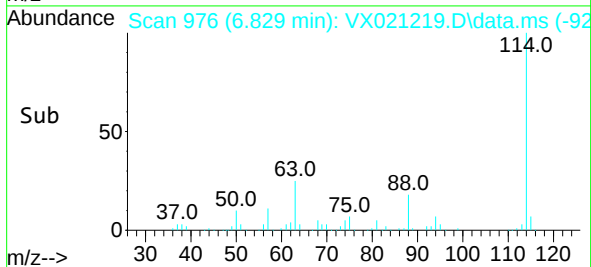
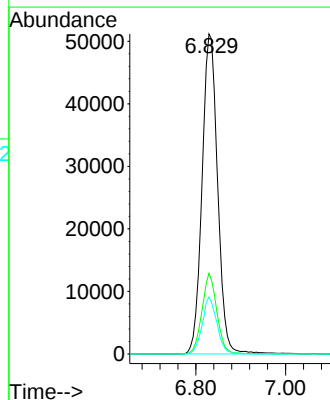
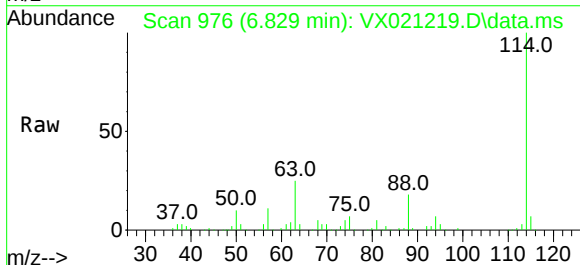
Tgt Ion: 114 Resp: 123141

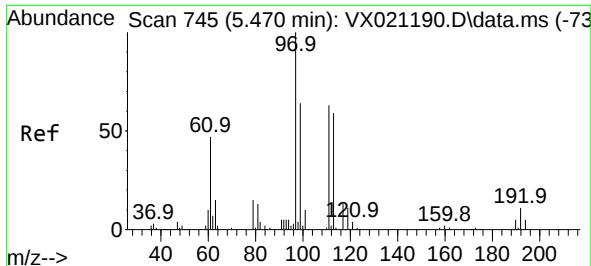
Ion Ratio Lower Upper

114 100

63 25.2 0.0 40.8

88 17.8 0.0 32.8

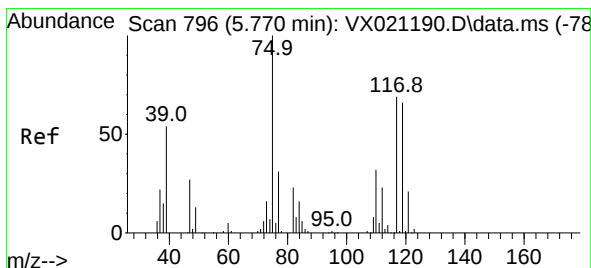
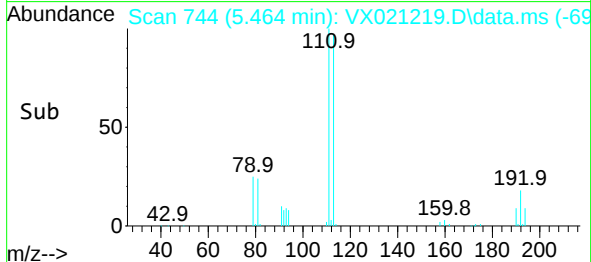
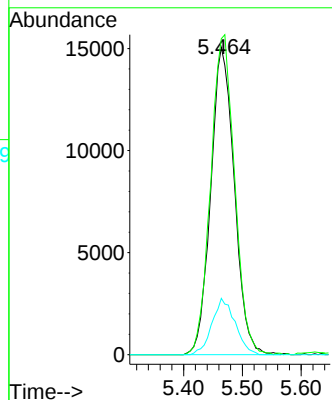
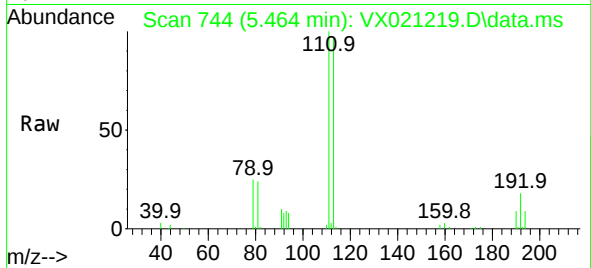




#35
Dibromofluoromethane
Concen: 49.48 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

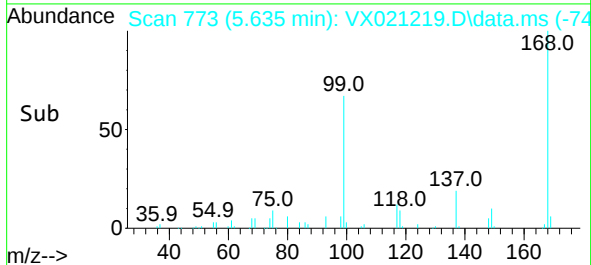
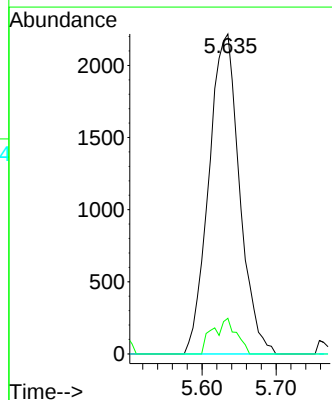
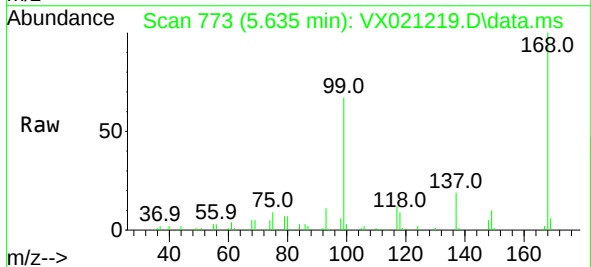
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

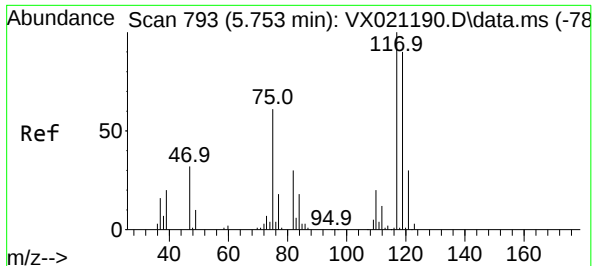
Tgt Ion:113 Resp: 41921
Ion Ratio Lower Upper
113 100
111 105.7 81.9 122.9
192 18.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

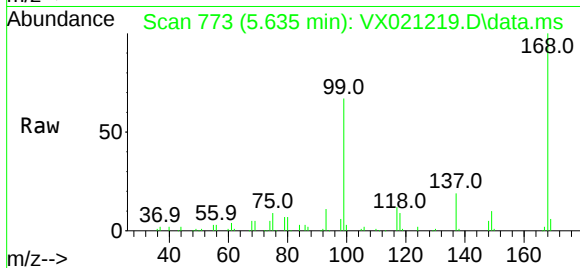
Tgt Ion: 75 Resp: 6383
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



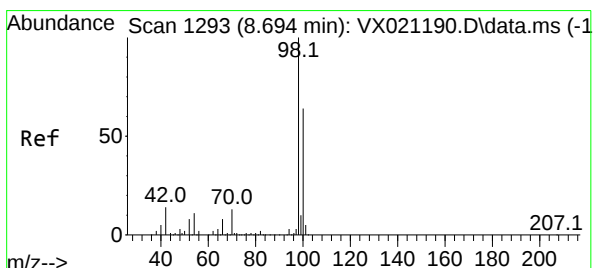
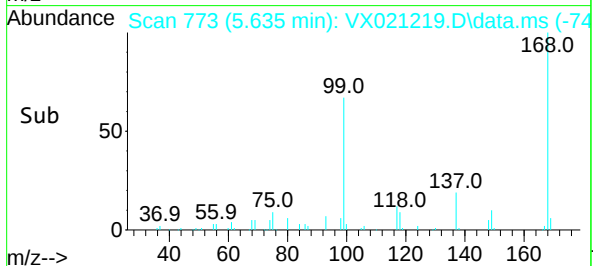
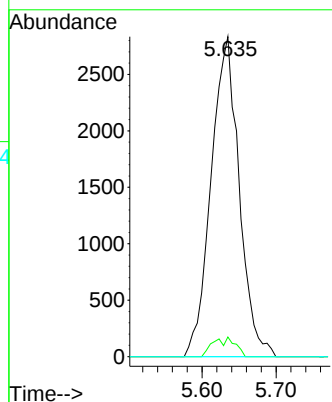


#38
Carbon Tetrachloride
Concen: 5.27 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.118 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

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

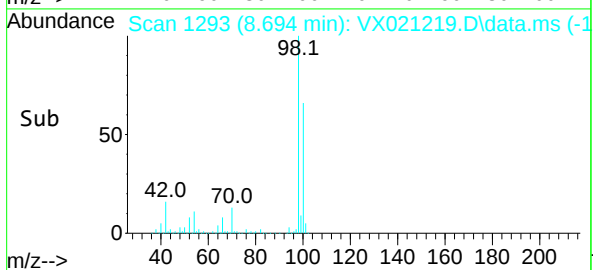
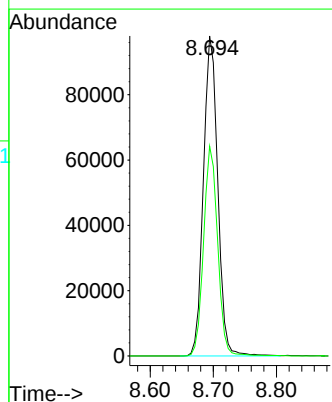
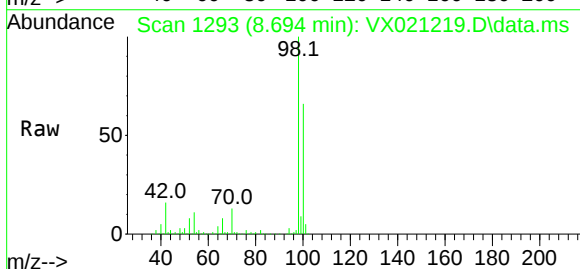


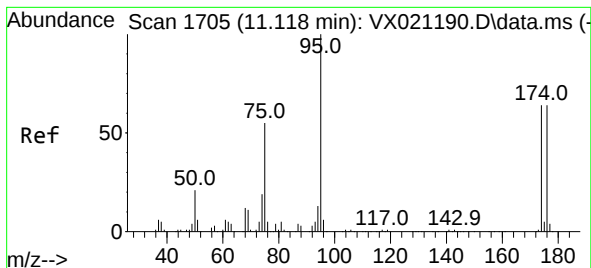
Tgt Ion:117 Resp: 7466
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.93 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 98 Resp: 155014
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

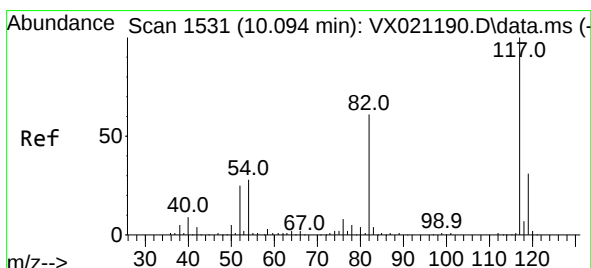
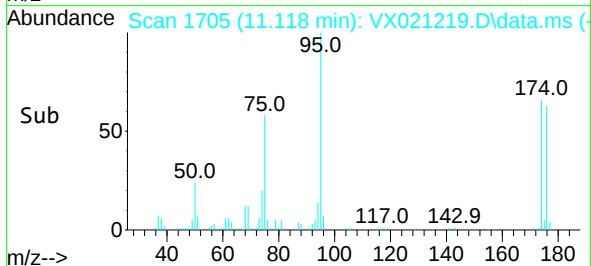
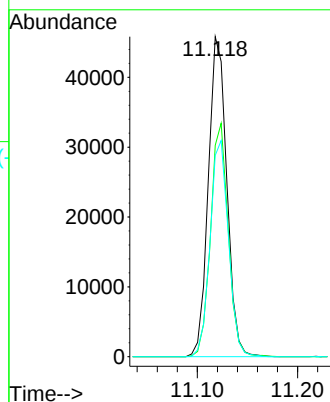
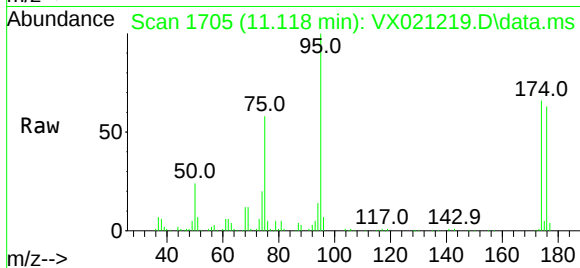




#62
4-Bromofluorobenzene
Concen: 50.63 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

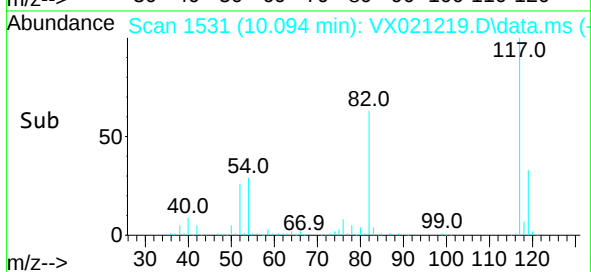
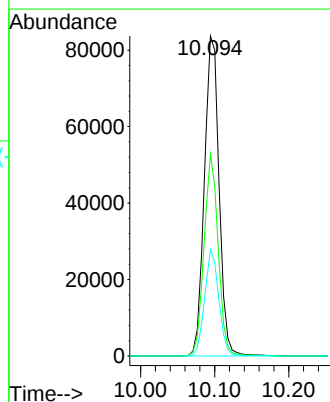
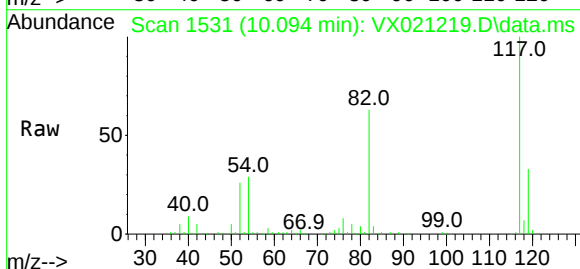
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

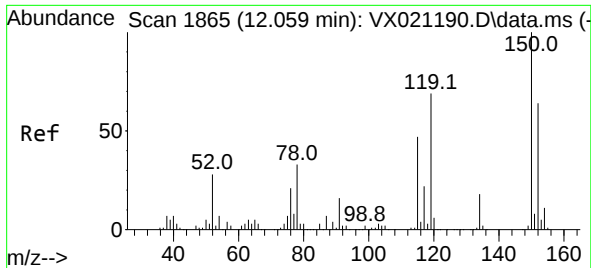
Tgt Ion: 95 Resp: 58723
Ion Ratio Lower Upper
95 100
174 69.8 0.0 154.6
176 67.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion: 117 Resp: 115580
Ion Ratio Lower Upper
117 100
82 63.1 47.4 71.2
119 33.3 26.6 39.8

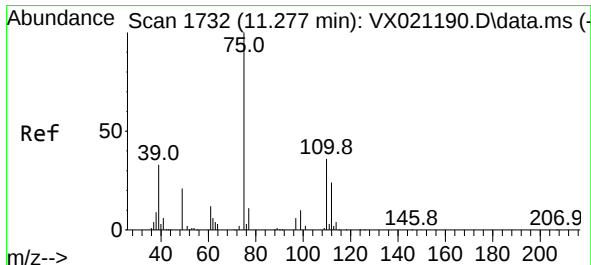
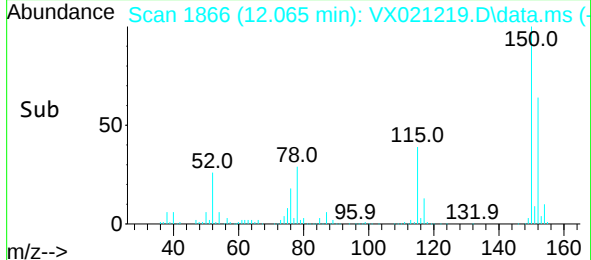
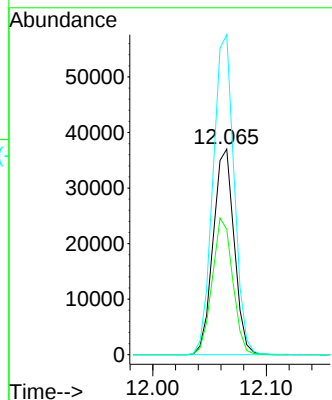
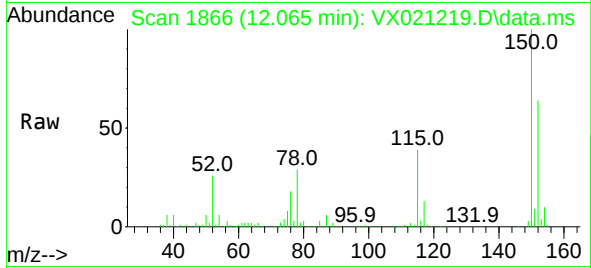




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.065 min Scan# 1866
 Delta R.T. 0.000 min
 Lab File: VX021219.D
 Acq: 15 Mar 2021 23:34

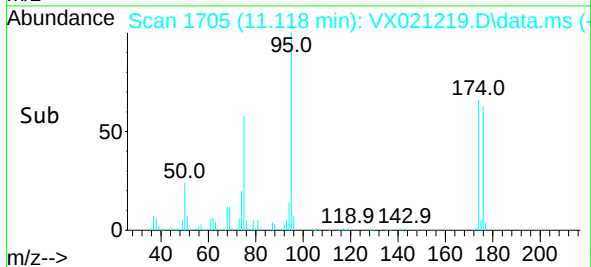
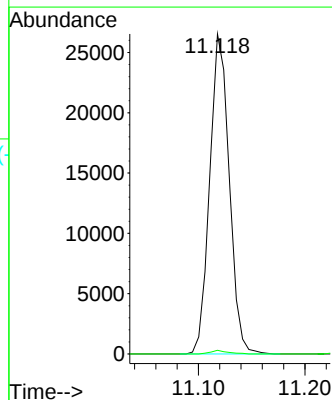
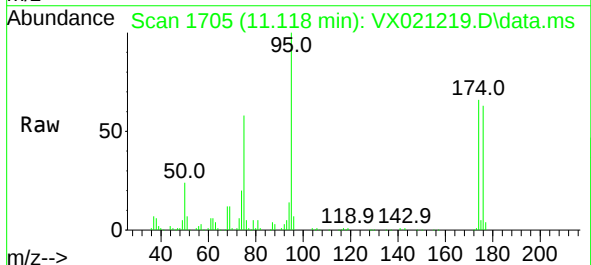
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

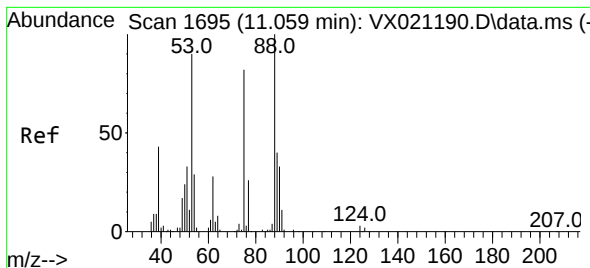
Tgt Ion:152 Resp: 47550
 Ion Ratio Lower Upper
 152 100
 115 64.8 41.1 123.3
 150 156.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.63 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021219.D
 Acq: 15 Mar 2021 23:34

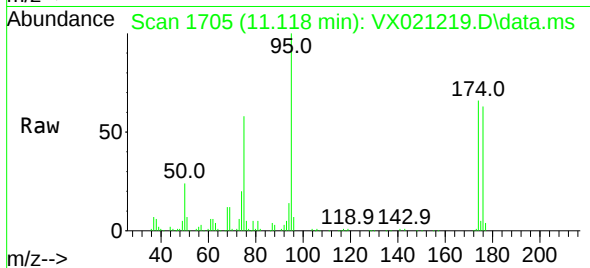
Tgt Ion: 75 Resp: 33755
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#



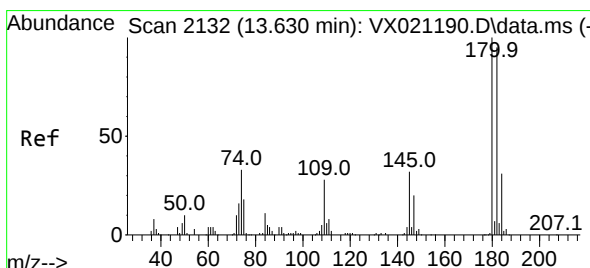
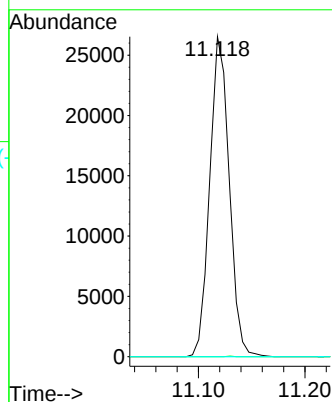
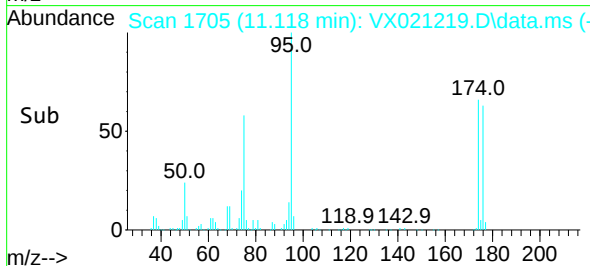


#81
trans-1,4-Dichloro-2-butene
Concen: 81.26 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

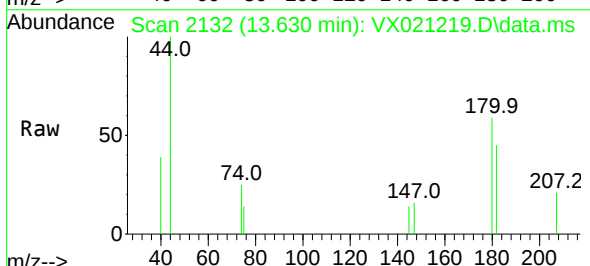
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6



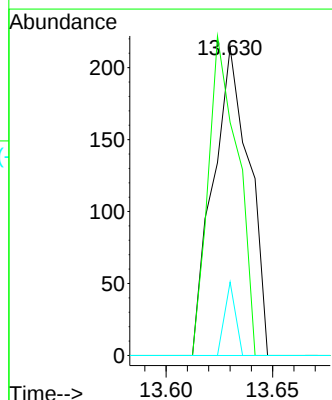
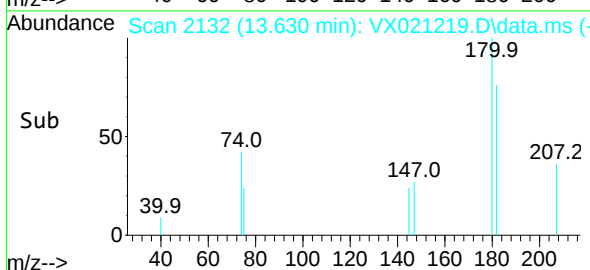
Tgt Ion: 75 Resp: 33755
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

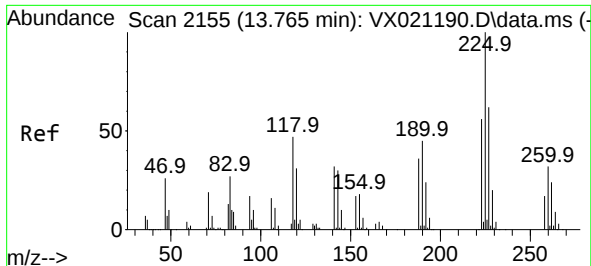


#93
1,2,4-Trichlorobenzene
Concen: 0.26 ug/l
RT: 13.630 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34



Tgt Ion: 180 Resp: 252
Ion Ratio Lower Upper
180 100
182 84.5 47.7 143.1
145 7.1 15.0 45.0#

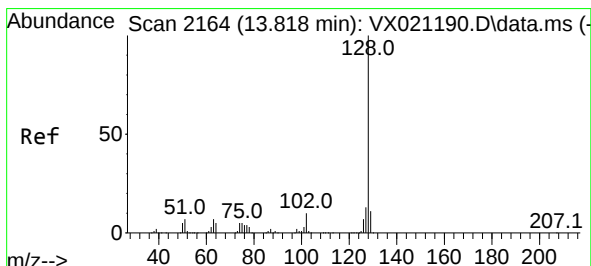
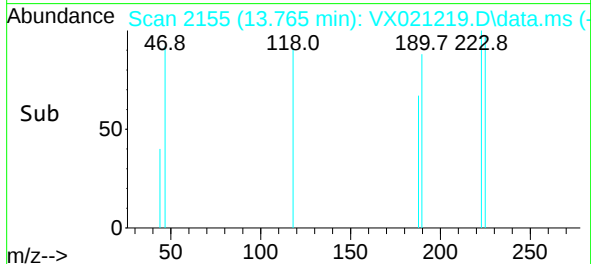
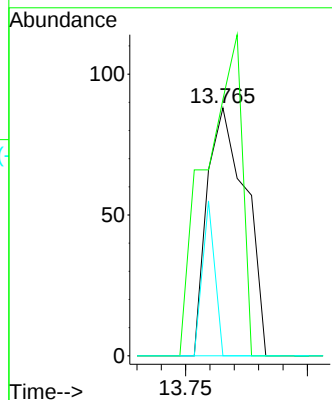
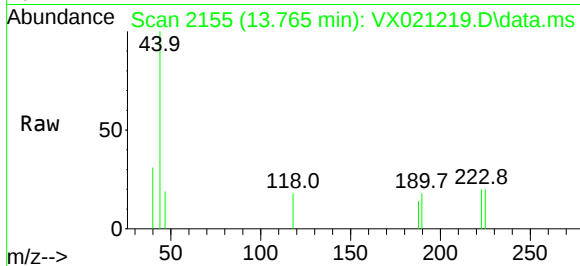




#94
Hexachlorobutadiene
Concen: 0.23 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

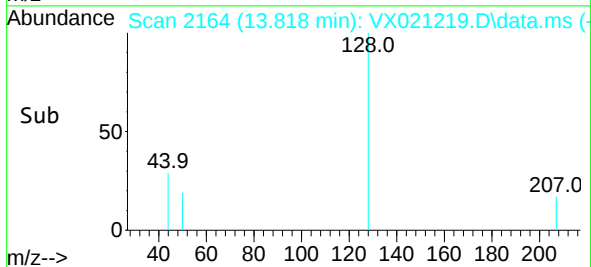
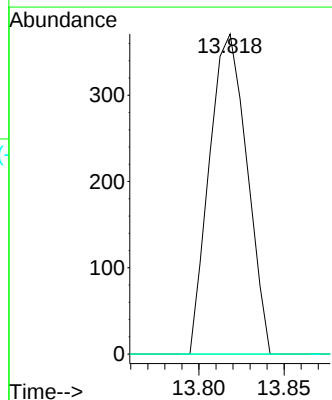
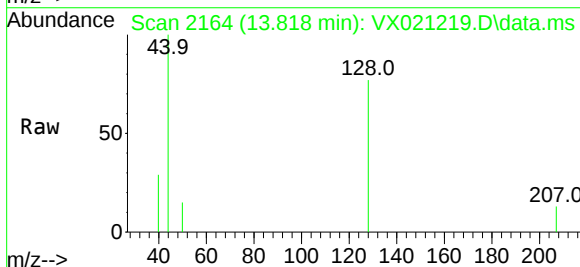
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

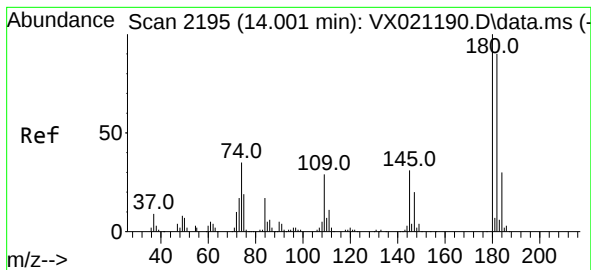
Tgt Ion:225 Resp: 97
Ion Ratio Lower Upper
225 100
223 122.7 31.1 93.2#
227 19.6 31.6 95.0#



#95
Naphthalene
Concen: 1.62 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021219.D
Acq: 15 Mar 2021 23:34

Tgt Ion:128 Resp: 570
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.07 ug/l
 RT: 14.001 min Scan# 2195
 Delta R.T. -0.000 min
 Lab File: VX021219.D
 Acq: 15 Mar 2021 23:34

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

Tgt Ion:180 Resp: 148
 Ion Ratio Lower Upper
 180 100
 182 113.5 47.6 142.9
 145 0.0 16.1 48.3#

