

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050721\
 Data File : VX021875.D
 Acq On : 07 May 2021 15:08
 Operator : JC/MD
 Sample : M2341-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 08 06:20:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 08 05:38:18 2021
 Response via : Initial Calibration

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

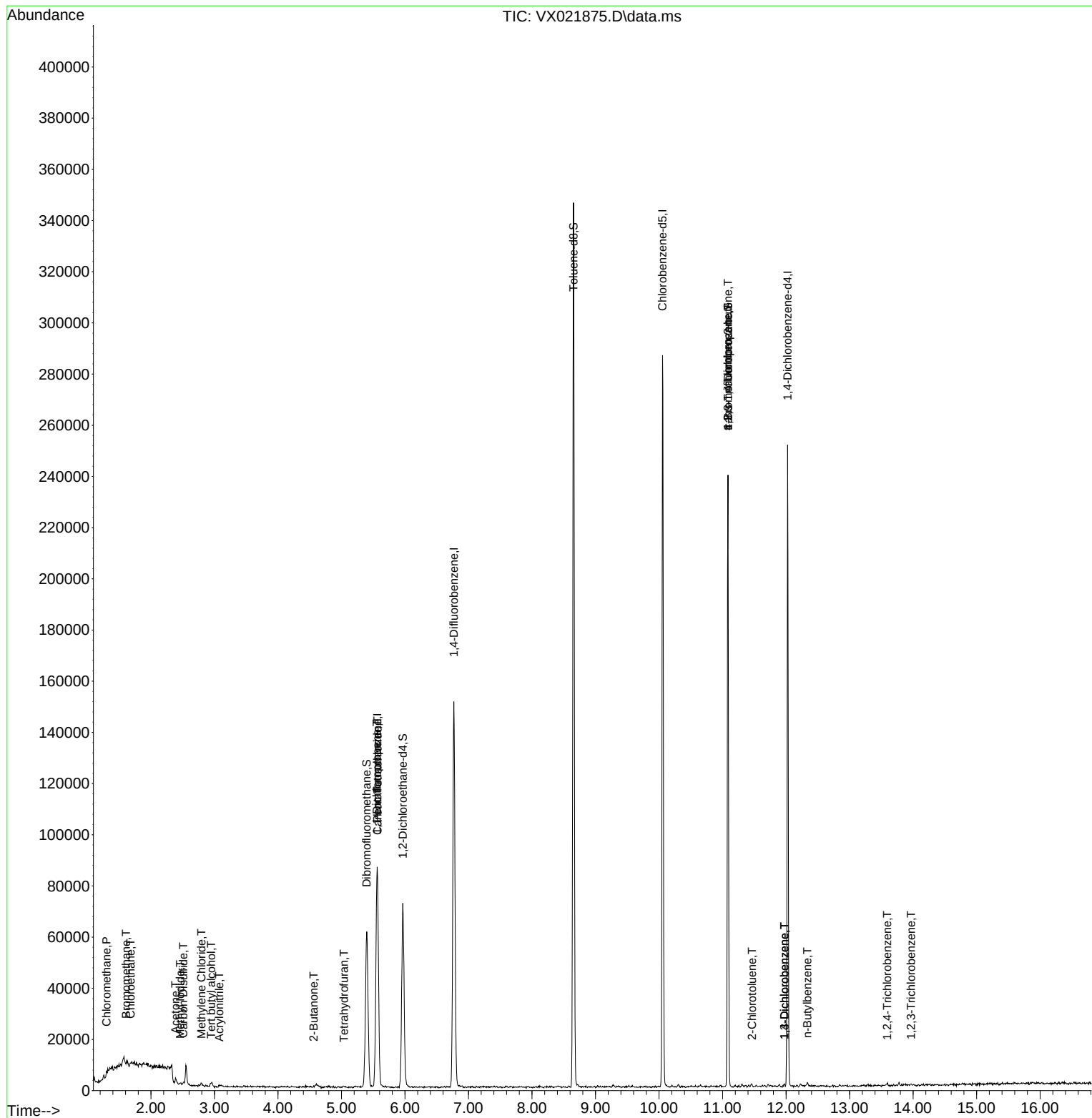
Internal Standards						
1) Pentafluorobenzene	5.562	168	76413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	152927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45028	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	63664	50.63	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.26%			
35) Dibromofluoromethane	5.397	113	51788	49.41	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.82%			
50) Toluene-d8	8.653	98	198678	49.68	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.36%			
62) 4-Bromofluorobenzene	11.085	95	67161	42.55	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.10%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	490	0.41	ug/l #	61
5) Bromomethane	1.605	94	467	0.92	ug/l #	53
6) Chloroethane	1.678	64	418	0.58	ug/l #	71
10) Methyl Iodide	2.459	142	854	0.73	ug/l #	87
11) Tert butyl alcohol	2.946	59	850	2.53	ug/l #	34
13) Acrolein	2.239	56	69	Below Cal	#	15
15) Acrylonitrile	3.075	53	188	0.30	ug/l #	82
16) Acetone	2.386	43	1690	3.00	ug/l	94
17) Carbon Disulfide	2.508	76	1199	0.42	ug/l	96
20) Methylene Chloride	2.794	84	692	0.74	ug/l #	70
25) 2-Butanone	4.562	43	260	0.27	ug/l #	45
29) Tetrahydrofuran	5.038	42	501	0.87	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	6870	4.24	ug/l #	45
38) Carbon Tetrachloride	5.568	117	8438	5.21	ug/l #	16
76) 1,2,3-Trichloropropane	11.085	75	33645	26.28	ug/l #	39
79) 2-Chlorotoluene	11.463	91	600	0.21	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.085	75	33645	60.96	ug/l #	12
87) 1,3-Dichlorobenzene	11.975	146	368	0.22	ug/l	76
88) 1,4-Dichlorobenzene	11.975	146	368	0.21	ug/l	77
89) n-Butylbenzene	12.335	91	771	0.24	ug/l #	80
93) 1,2,4-Trichlorobenzene	13.591	180	260	0.26	ug/l #	79
96) 1,2,3-Trichlorobenzene	13.969	180	231	0.23	ug/l #	65

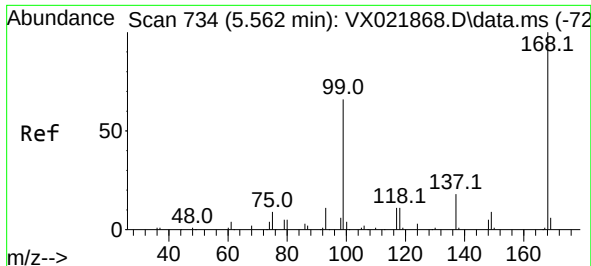
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-SOIL-REF-6

Quant Time: May 08 06:20:39 2021
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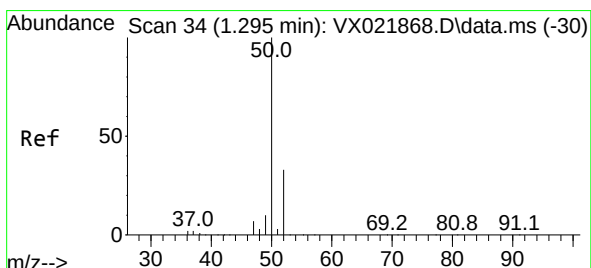
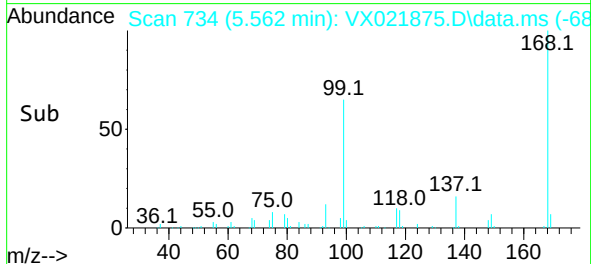
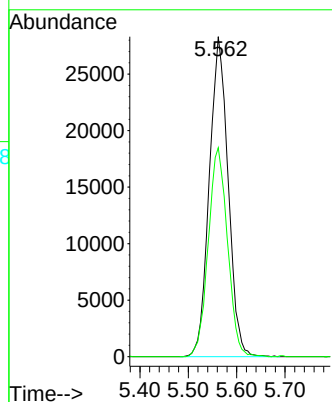
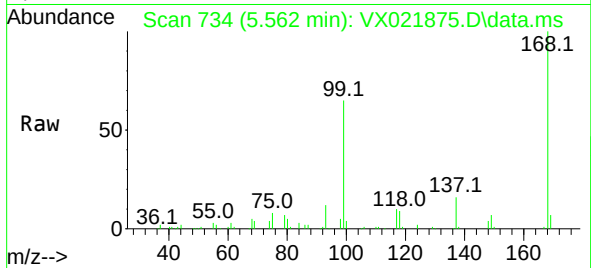




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

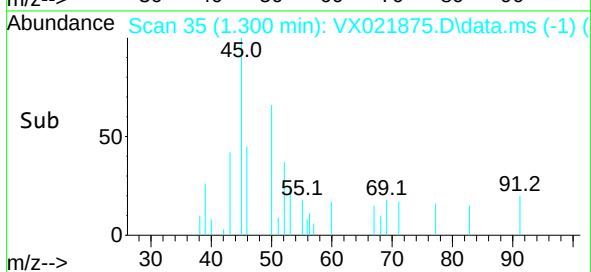
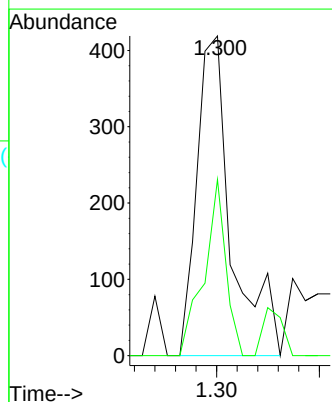
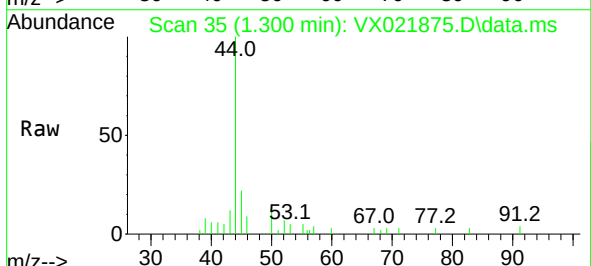
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

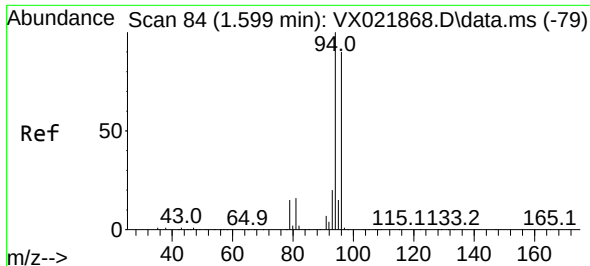
Tgt Ion:168 Resp: 76413
Ion Ratio Lower Upper
168 100
99 65.3 45.8 68.6



#3
Chloromethane
Concen: 0.41 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 55.1 26.4 39.6#

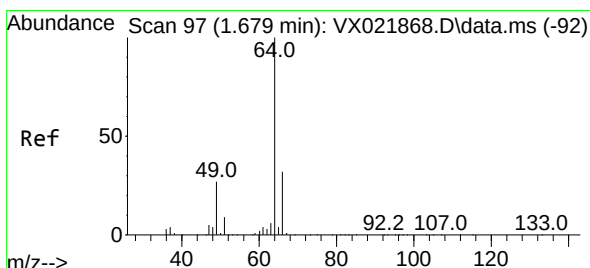
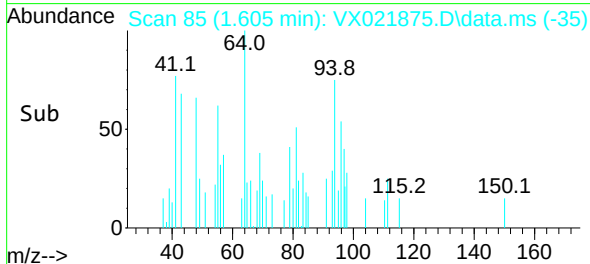
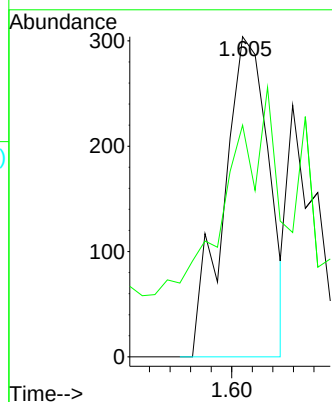
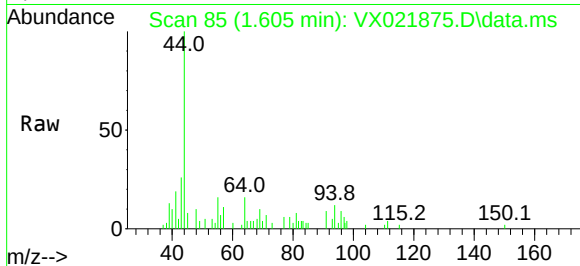




#5
Bromomethane
Concen: 0.92 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

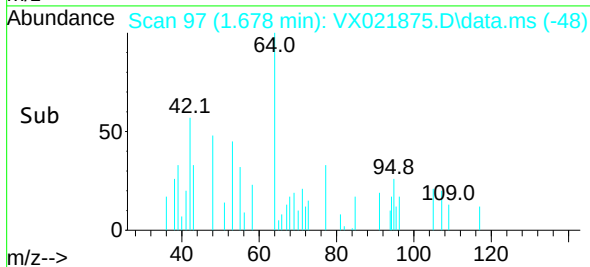
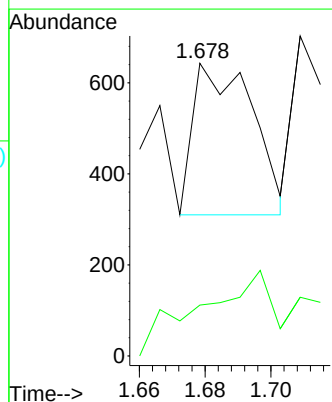
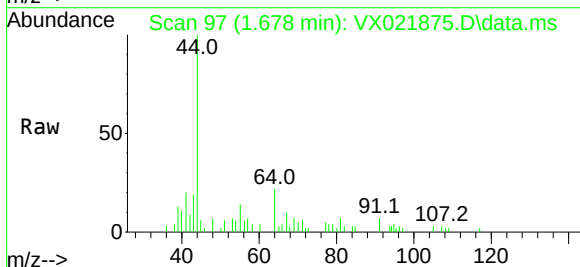
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

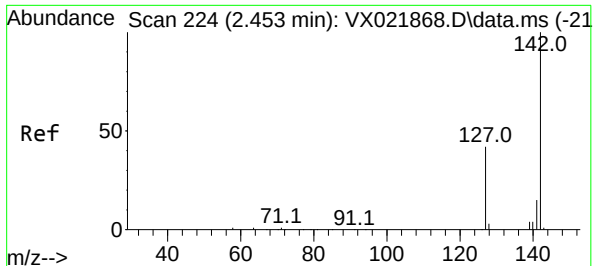
Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 49.3 76.4 114.6#



#6
Chloroethane
Concen: 0.58 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 64 Resp: 418
Ion Ratio Lower Upper
64 100
66 15.6 25.4 38.0#

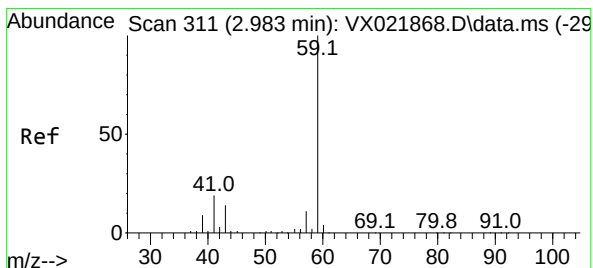
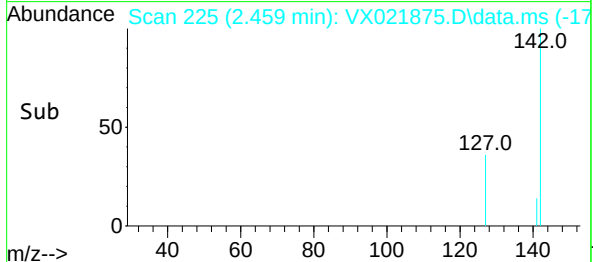
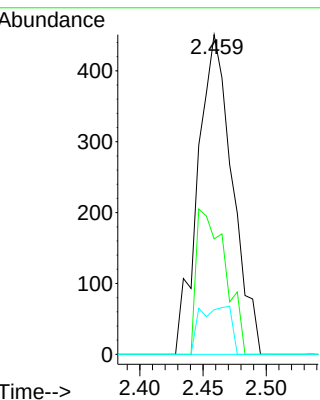
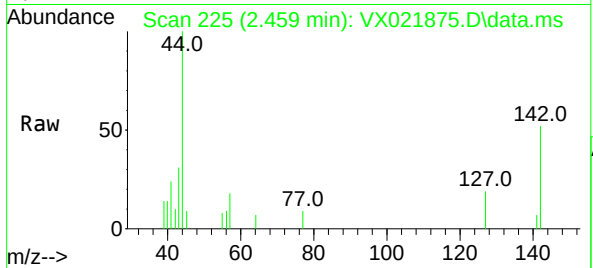




#10
Methyl Iodide
Concen: 0.73 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

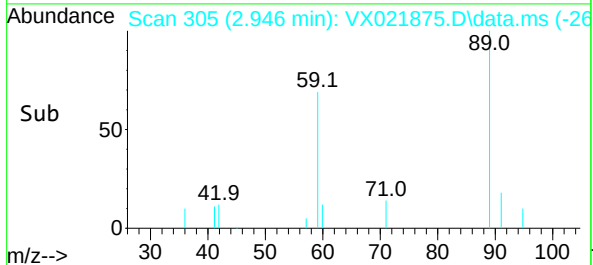
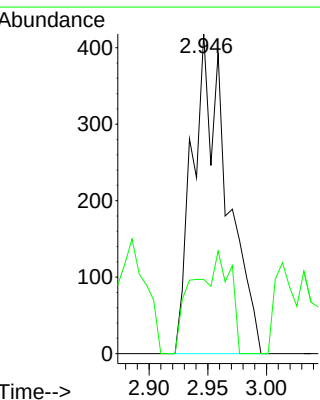
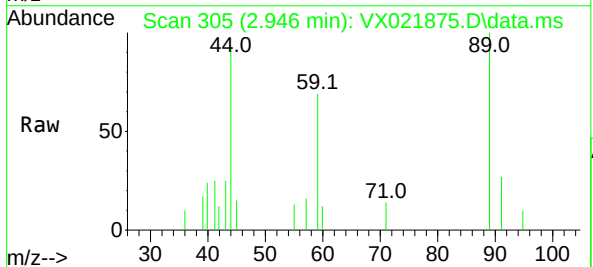
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

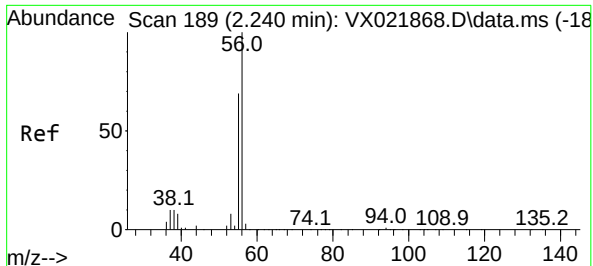
Tgt Ion:	142	Resp:	854
Ion	Ratio	Lower	Upper
142	100		
127	38.3	33.3	49.9
141	0.0	11.4	17.0#



#11
Tert butyl alcohol
Concen: 2.53 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion:	59	Resp:	850
Ion	Ratio	Lower	Upper
59	100		
57	34.1	7.8	11.8#

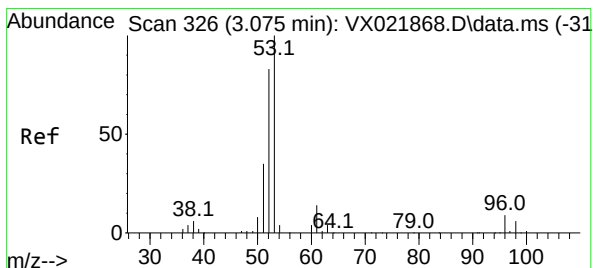
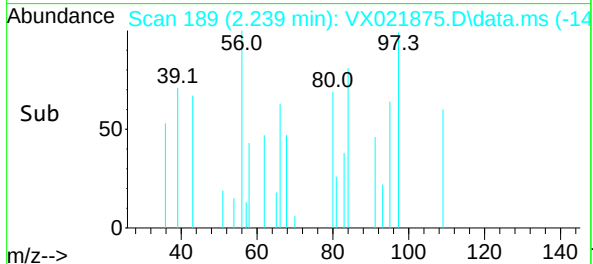
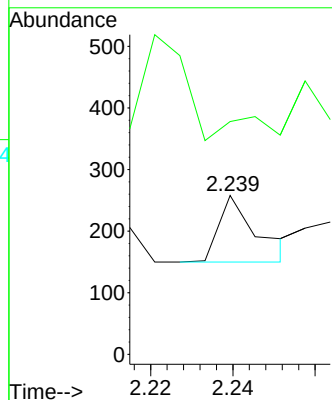
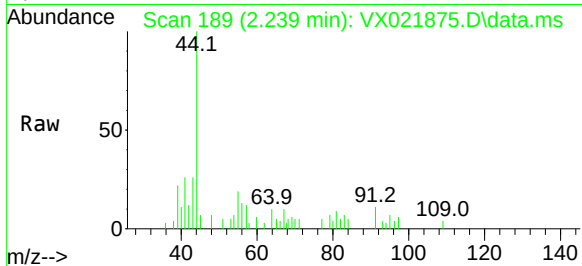




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

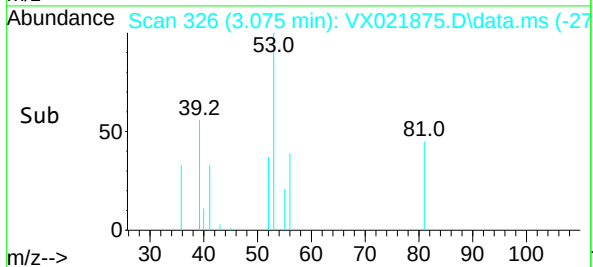
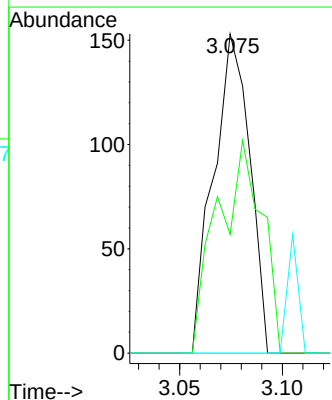
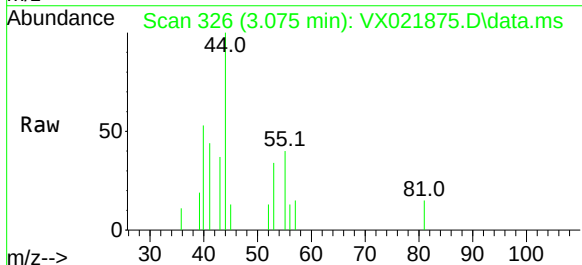
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

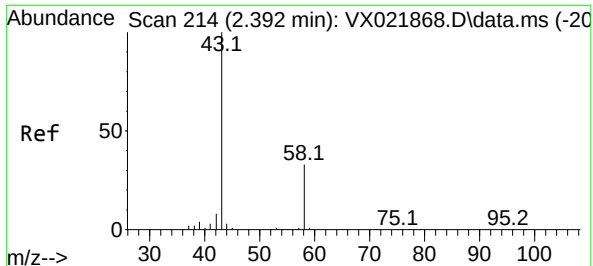
Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 140.6 56.4 84.6#



#15
Acrylonitrile
Concen: 0.30 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 53 Resp: 188
Ion Ratio Lower Upper
53 100
52 81.9 65.3 97.9
51 0.0 28.2 42.2#

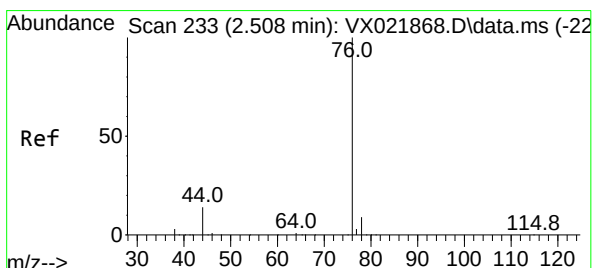
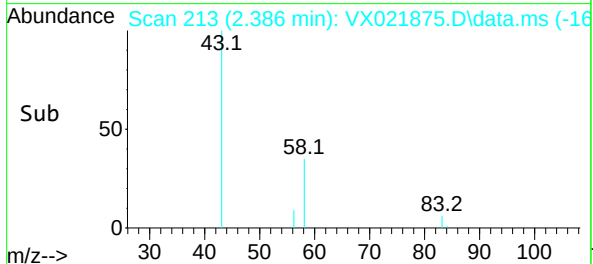
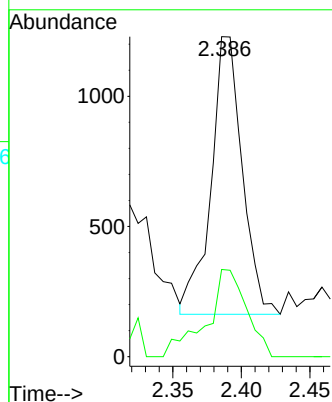
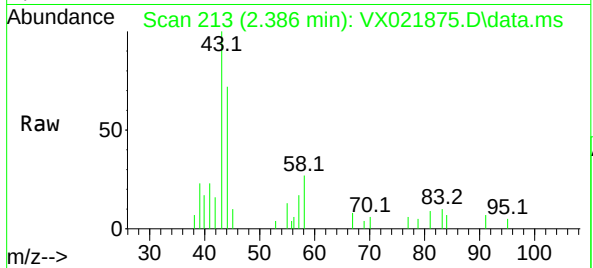




#16
Acetone
Concen: 3.00 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

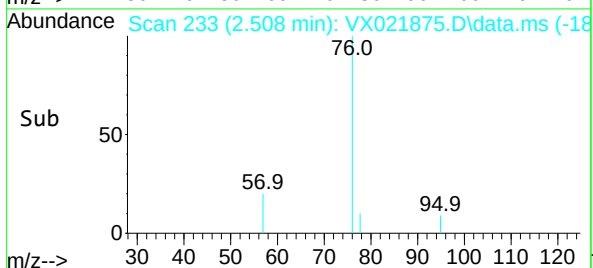
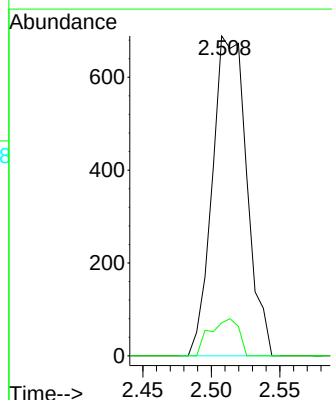
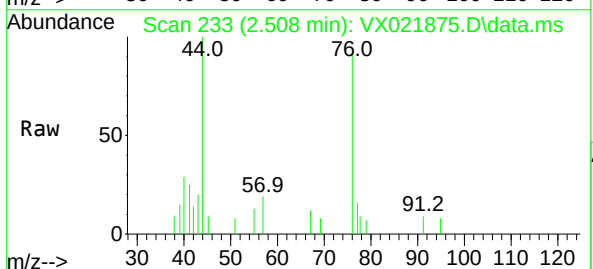
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

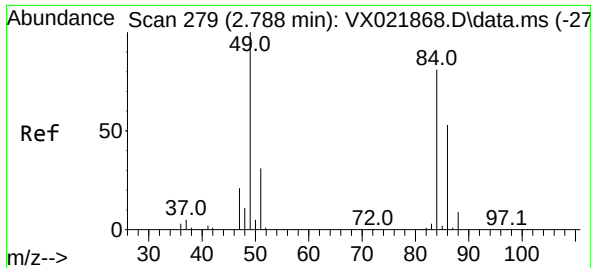
Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
58 31.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.42 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 76 Resp: 1199
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



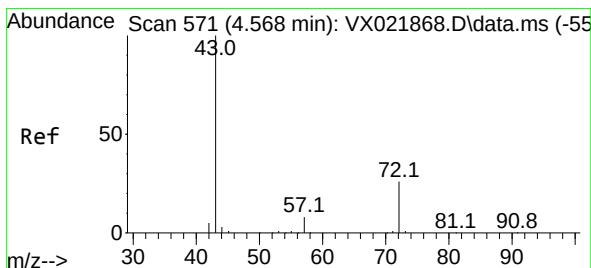
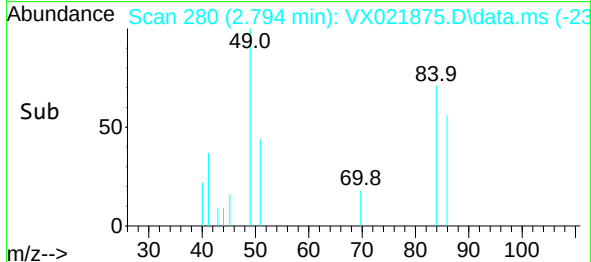
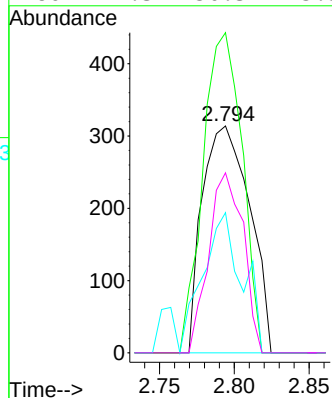
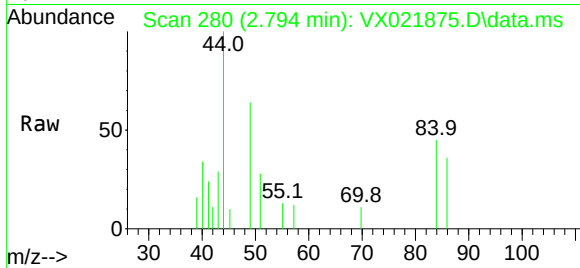


#20
Methylene Chloride
Concen: 0.74 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

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

Tgt Ion: 84 Resp: 692

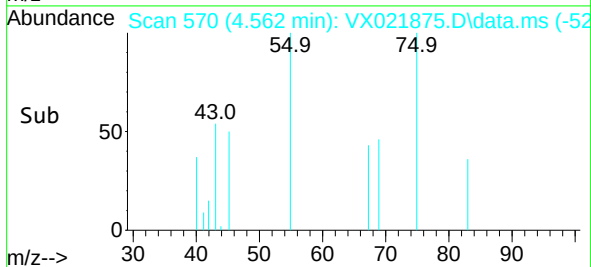
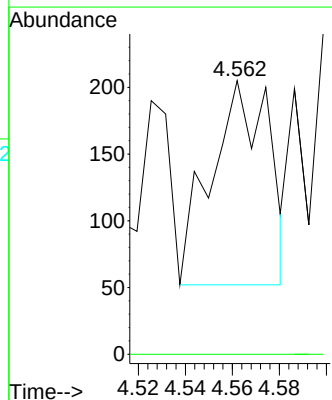
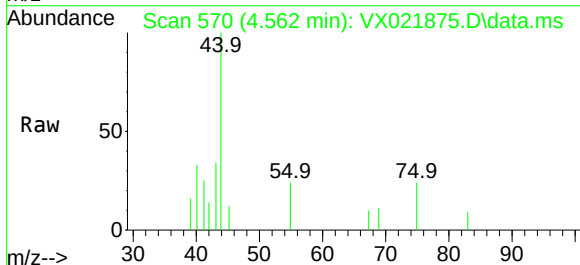
Ion	Ratio	Lower	Upper
84	100		
49	141.1	88.6	132.8#
51	61.8	27.0	40.6#
86	79.3	50.3	75.5#

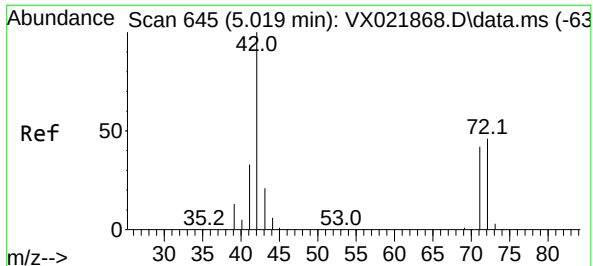


#25
2-Butanone
Concen: 0.27 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 43 Resp: 260

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.87 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX021875.D

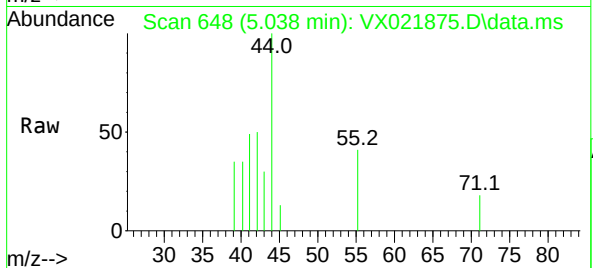
Acq: 07 May 2021 15:08

Instrument :

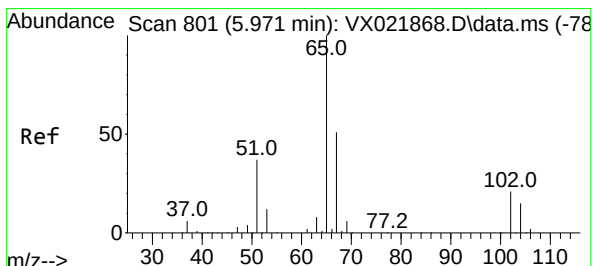
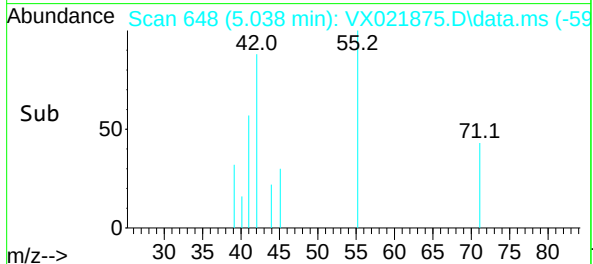
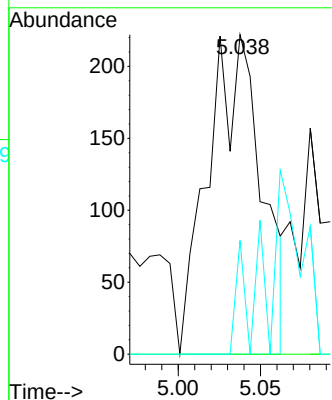
MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:	42	Resp:	501
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	5.8	38.4	57.6#



#33

1,2-Dichloroethane-d4

Concen: 50.63 ug/l

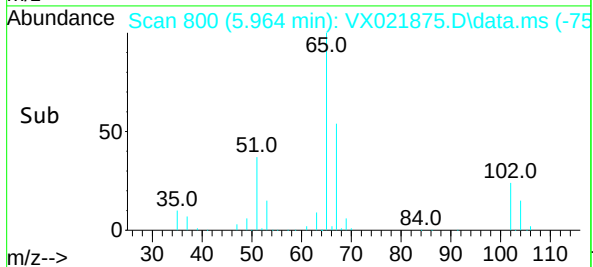
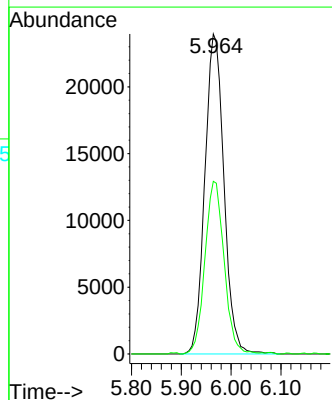
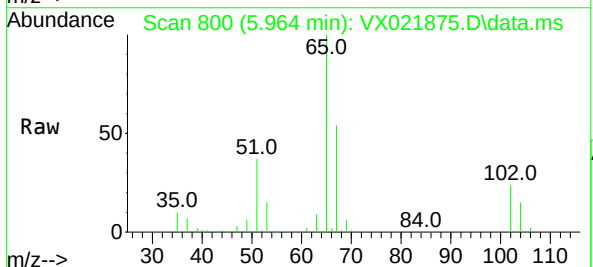
RT: 5.964 min Scan# 800

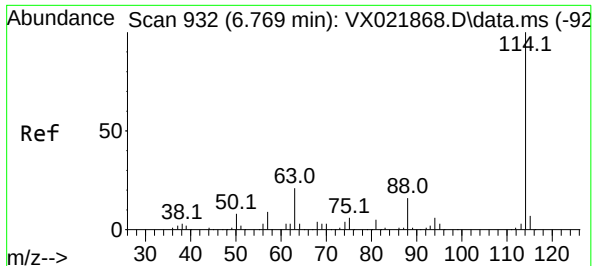
Delta R.T. -0.007 min

Lab File: VX021875.D

Acq: 07 May 2021 15:08

Tgt Ion:	65	Resp:	63664
Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.4

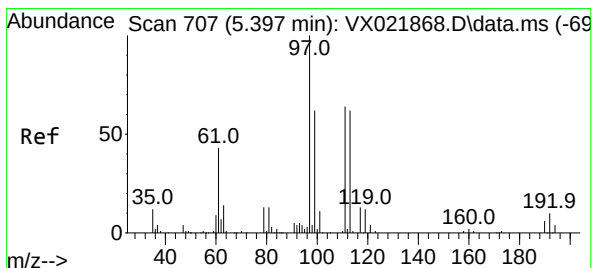
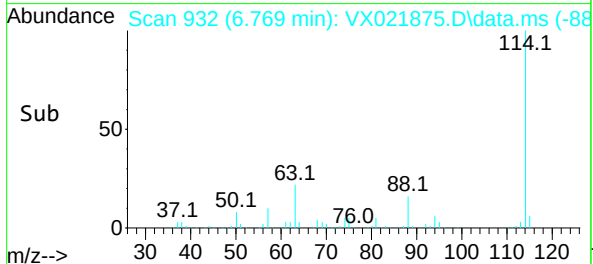
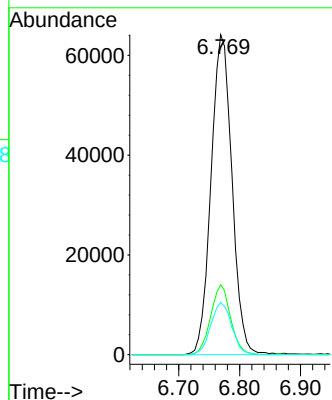
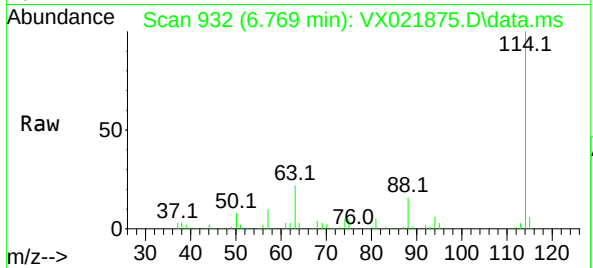




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

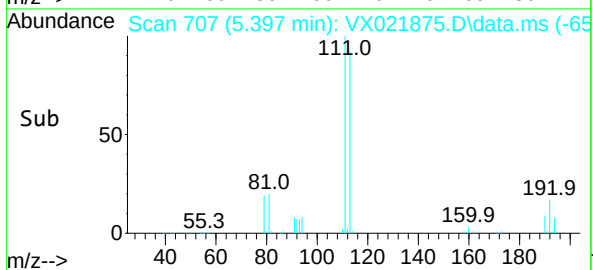
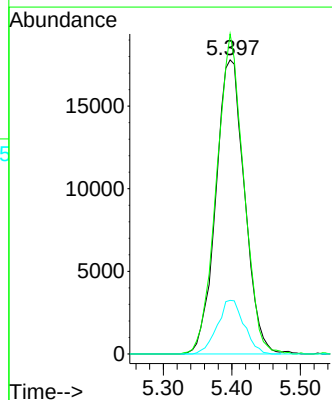
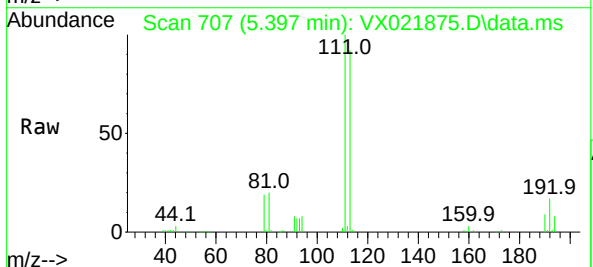
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

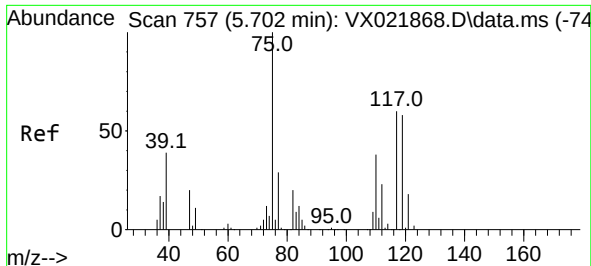
Tgt Ion:114 Resp: 152927
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.41 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion:113 Resp: 51788
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 17.0 16.7 25.1

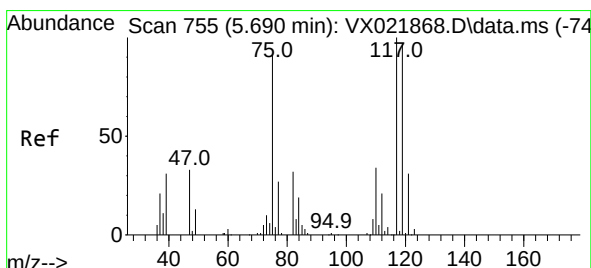
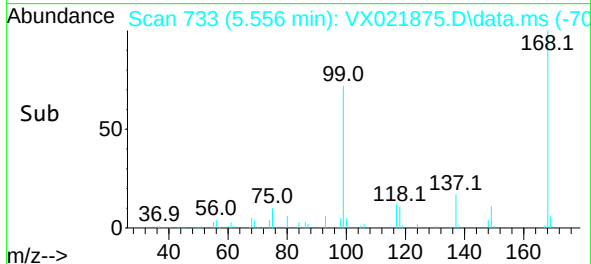
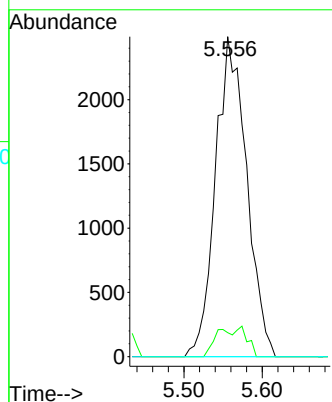
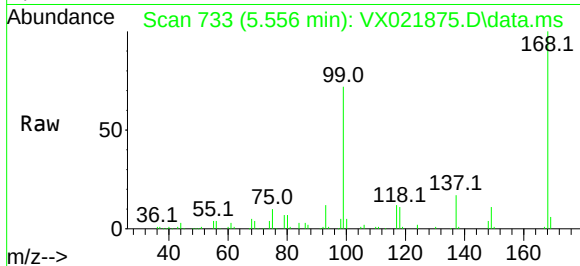




#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

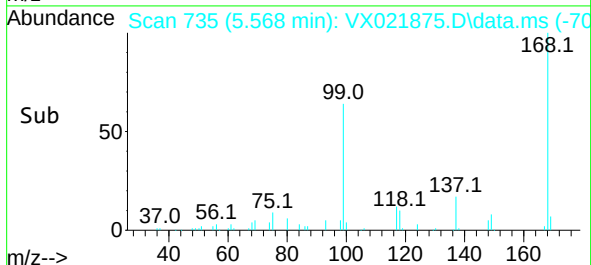
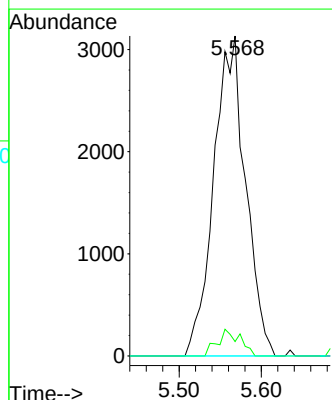
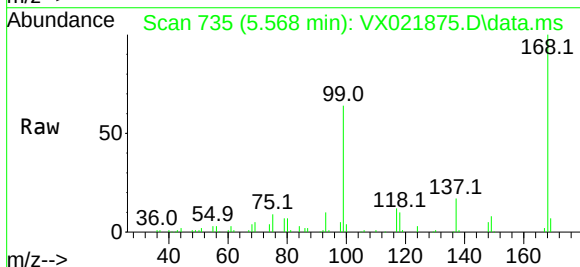
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

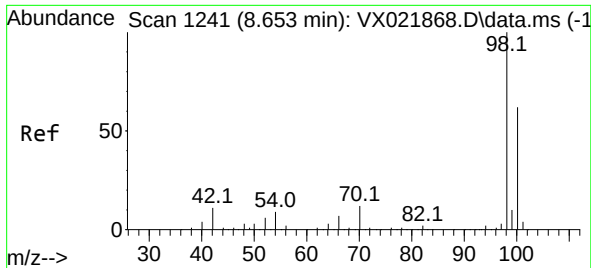
Tgt Ion: 75 Resp: 6870
Ion Ratio Lower Upper
75 100
110 5.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 117 Resp: 8438
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

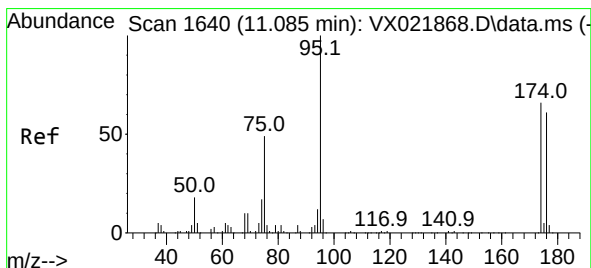
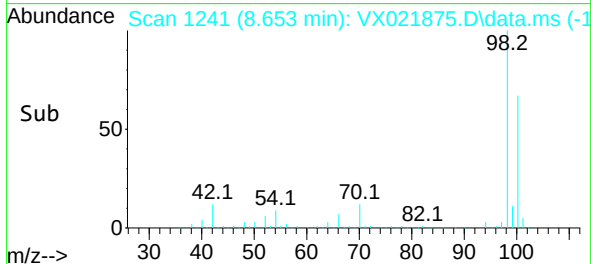
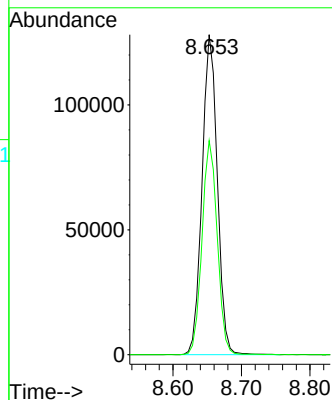
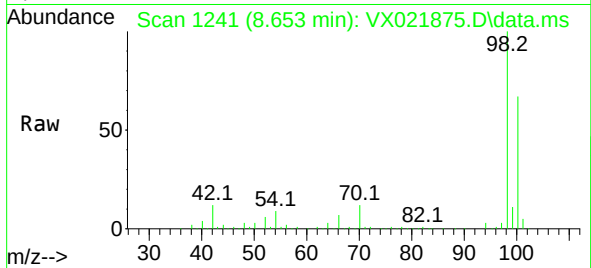




#50
Toluene-d8
Concen: 49.68 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

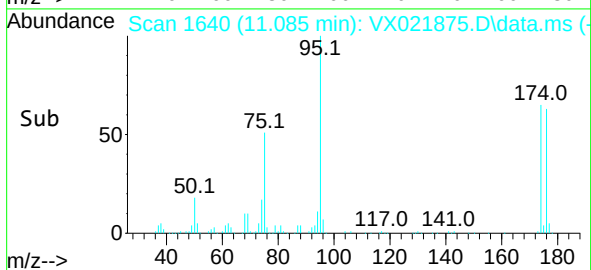
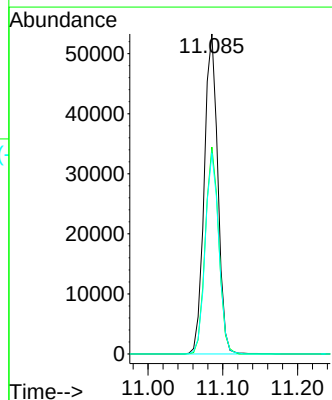
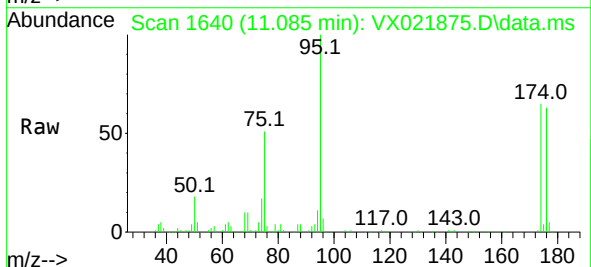
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

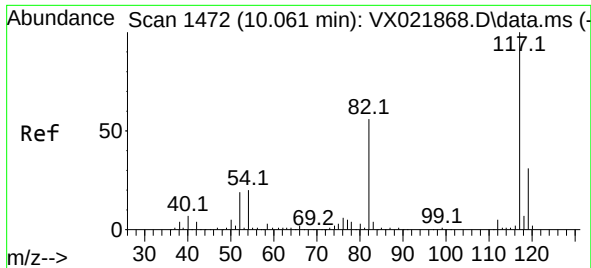
Tgt Ion: 98 Resp: 198678
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.55 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 95 Resp: 67161
Ion Ratio Lower Upper
95 100
174 63.8 0.0 154.6
176 62.6 0.0 155.8

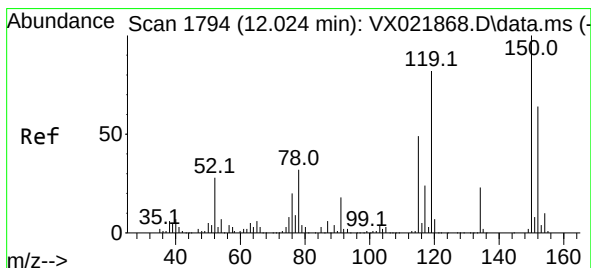
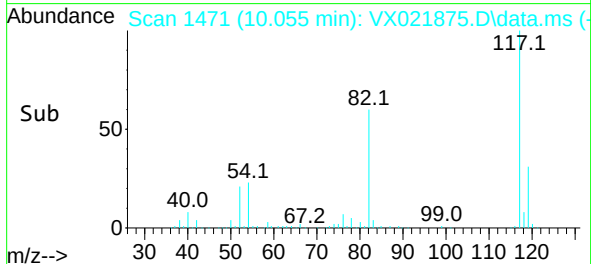
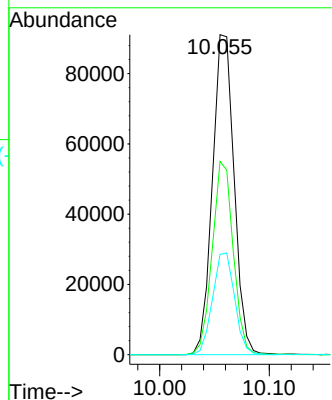
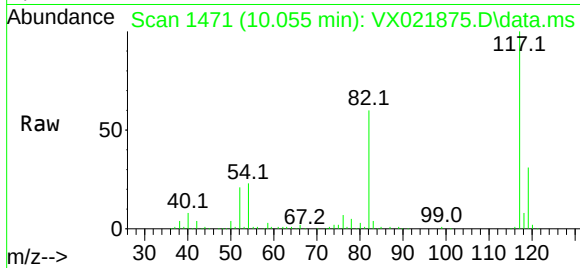




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

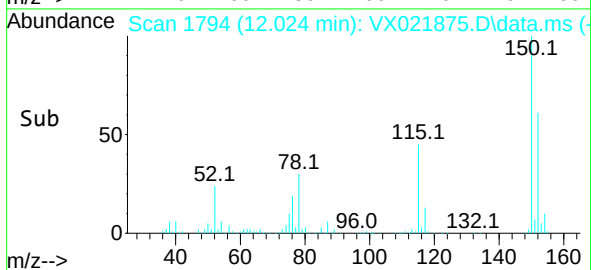
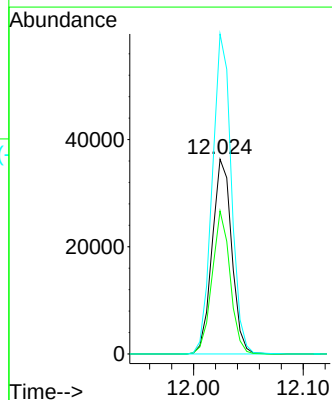
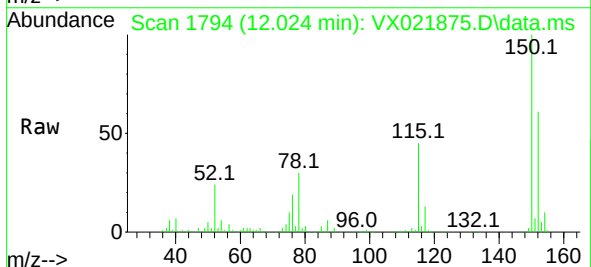
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

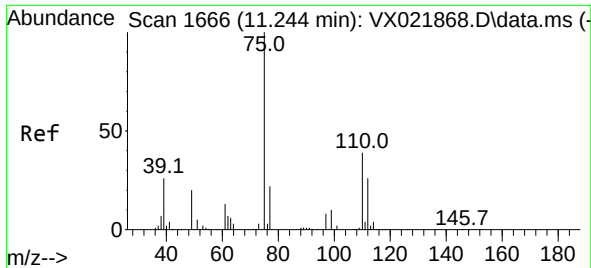
Tgt Ion:117 Resp: 125460
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion:152 Resp: 45028
Ion Ratio Lower Upper
152 100
115 67.6 41.1 123.3
150 159.7 0.0 349.0

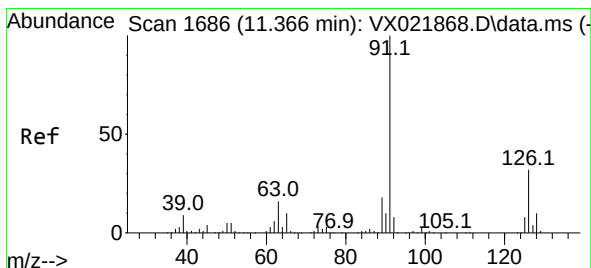
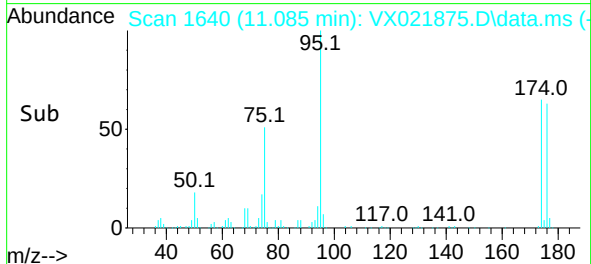
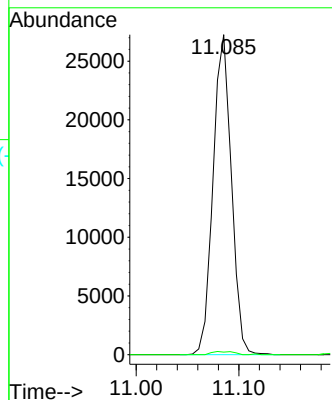
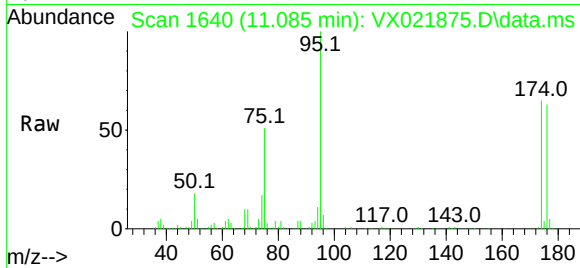




#76
1,2,3-Trichloropropane
Concen: 26.28 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

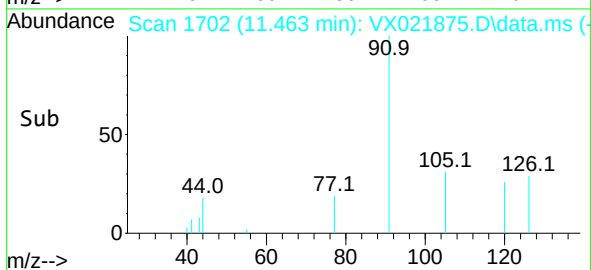
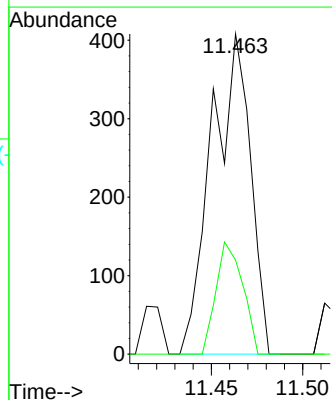
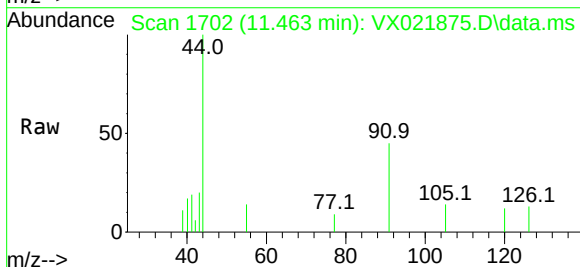
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

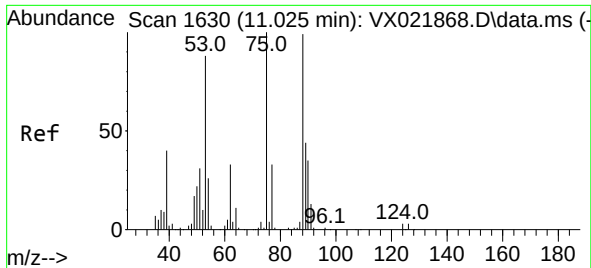
Tgt Ion: 75 Resp: 33645
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.21 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.097 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 91 Resp: 600
Ion Ratio Lower Upper
91 100
126 24.2 16.6 49.8

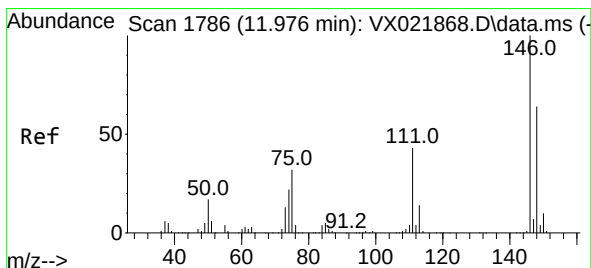
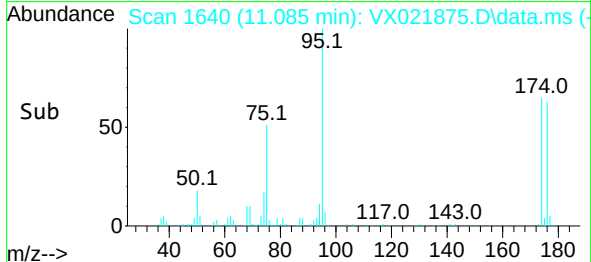
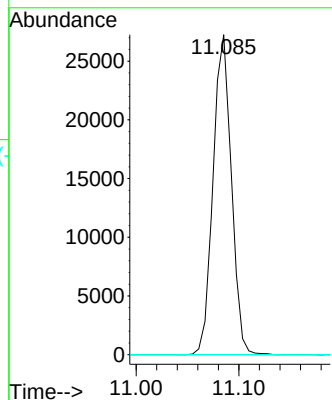
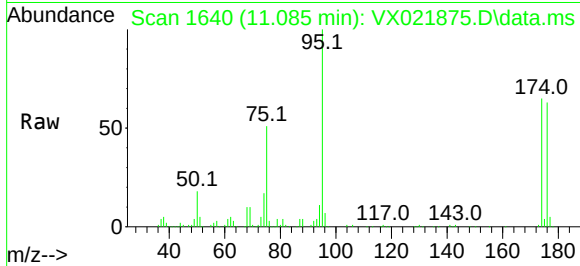




#81
trans-1,4-Dichloro-2-butene
Concen: 60.96 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

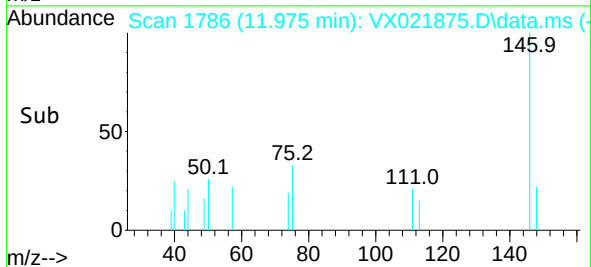
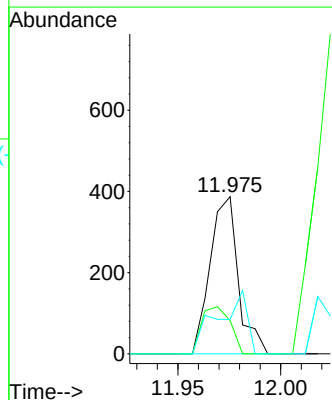
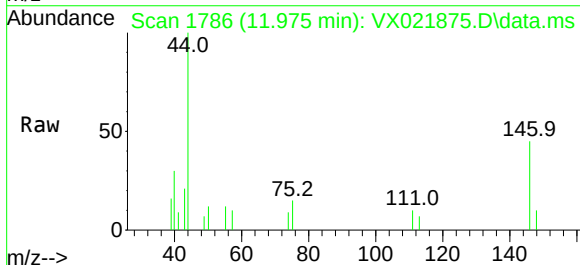
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

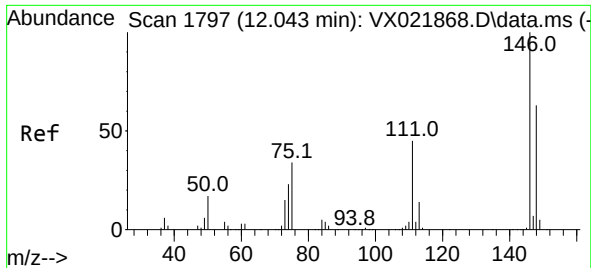
Tgt Ion: 75 Resp: 33645
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.22 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.001 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion:146 Resp: 368
Ion Ratio Lower Upper
146 100
111 30.2 20.2 60.5
148 41.8 31.9 95.7

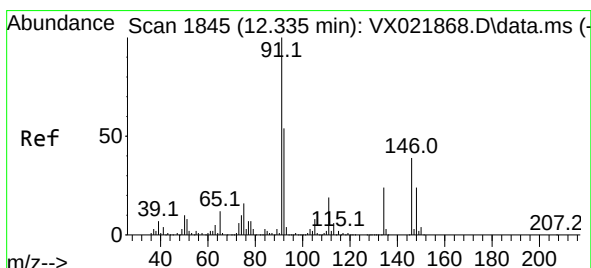
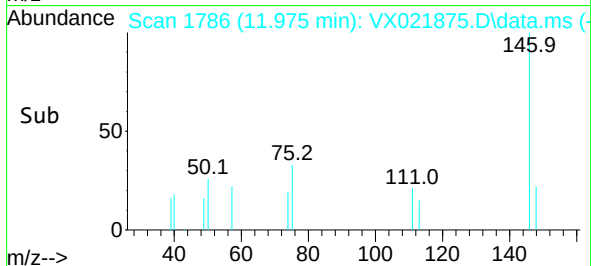
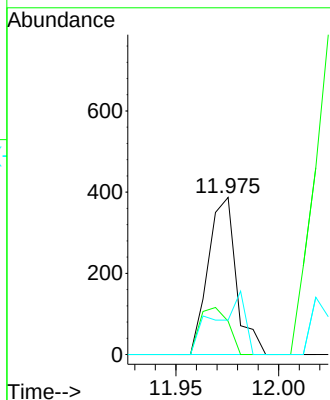
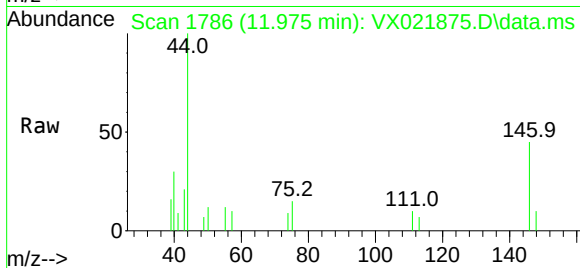




#88
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.068 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

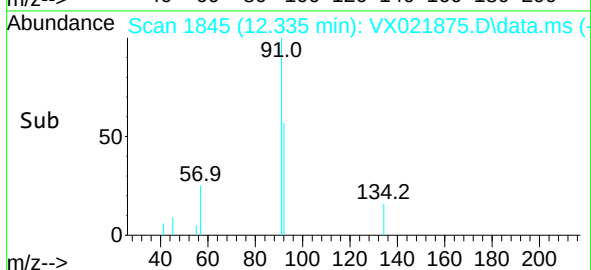
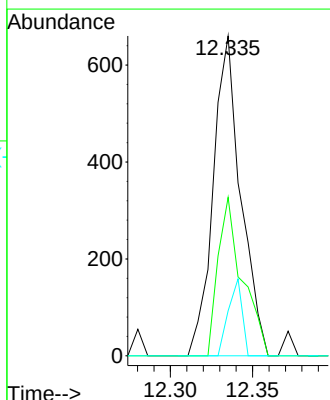
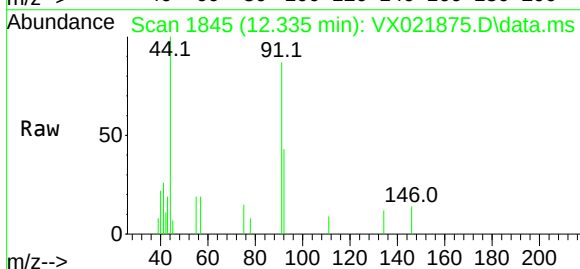
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

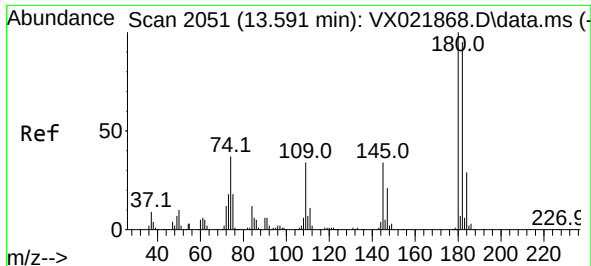
Tgt Ion:146 Resp: 368
Ion Ratio Lower Upper
146 100
111 30.2 19.6 58.8
148 41.8 31.6 95.0



#89
n-Butylbenzene
Concen: 0.24 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion: 91 Resp: 771
Ion Ratio Lower Upper
91 100
92 43.6 27.4 82.0
134 11.9 13.2 39.5#

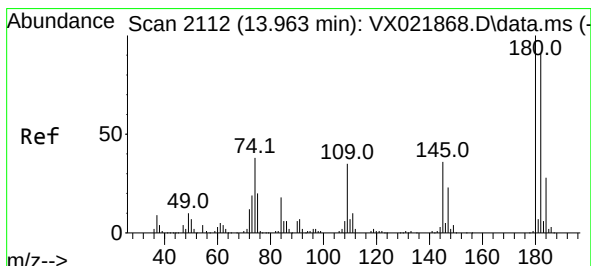
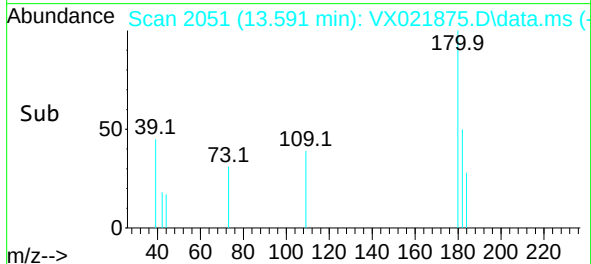
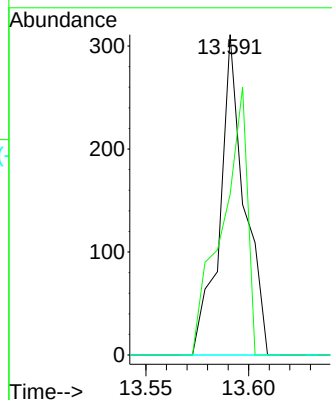
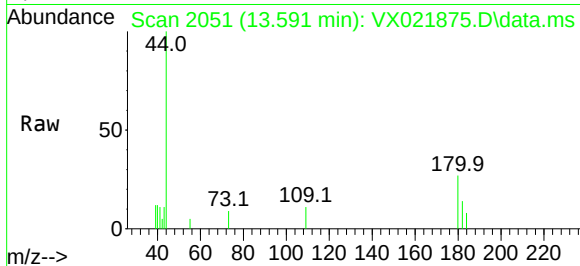




#93
1,2,4-Trichlorobenzene
Concen: 0.26 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

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

Tgt Ion:180 Resp: 260
Ion Ratio Lower Upper
180 100
182 85.4 47.7 143.1
145 0.0 15.0 45.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.23 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX021875.D
Acq: 07 May 2021 15:08

Tgt Ion:180 Resp: 231
Ion Ratio Lower Upper
180 100
182 64.9 47.6 142.9
145 57.1 16.1 48.3#

