

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069216.D
 Acq On : 20 May 2021 13:59
 Operator : VA/SY
 Sample : M2449-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOP-SOIL-COMPOSITE-PILE-3RE

Quant Time: May 21 00:53:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

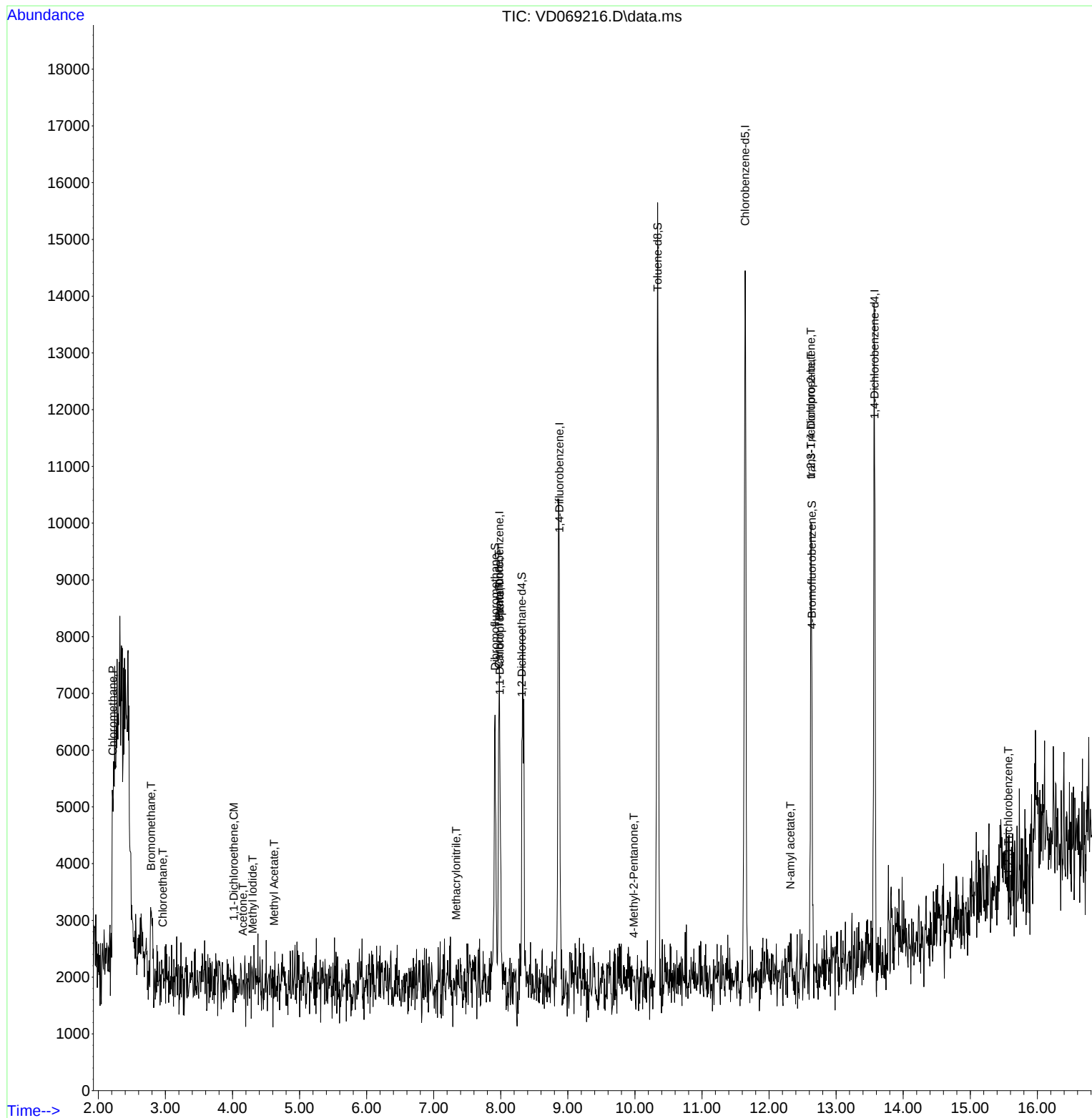
Internal Standards						
1) Pentafluorobenzene	7.979	168	4804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.873	114	8784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	8852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	3107	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	5020	104.24	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 208.48%#			
35) Dibromofluoromethane	7.914	113	3170	55.45	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.90%			
50) Toluene-d8	10.338	98	9680	46.09	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.18%			
62) 4-Bromofluorobenzene	12.638	95	2679	39.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.28%			
Target Compounds					Qvalue	
3) Chloromethane	2.215	50	447	7.61	ug/l #	80
5) Bromomethane	2.785	94	878	15.08	ug/l #	3
6) Chloroethane	2.962	64	55	1.11	ug/l #	43
10) Methyl Iodide	4.303	142	437	8.63	ug/l #	38
12) 1,1-Dichloroethene	4.020	96	67	1.39	ug/l #	1
16) Acetone	4.156	43	103	13.96	ug/l #	41
18) Methyl Acetate	4.620	43	69	3.85	ug/l #	45
20) Methylene Chloride	4.973	84	126	Below Cal	#	40
36) 1,1-Dichloropropene	7.985	75	124	1.45	ug/l #	40
38) Carbon Tetrachloride	7.973	117	212	2.22	ug/l #	12
41) Methacrylonitrile	7.338	41	57	3.90	ug/l #	57
51) 4-Methyl-2-Pentanone	9.985	43	82	3.20	ug/l #	32
74) N-amyl acetate	12.320	43	57	1.60	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	1184	50.69	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	1184	102.40	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.567	180	57	1.21	ug/l #	12

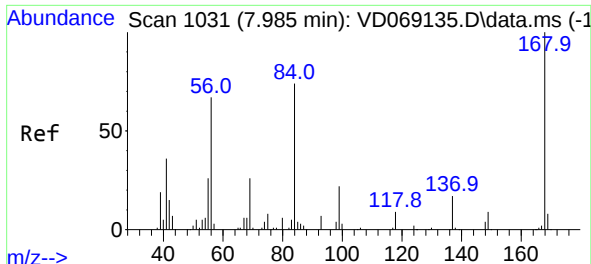
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
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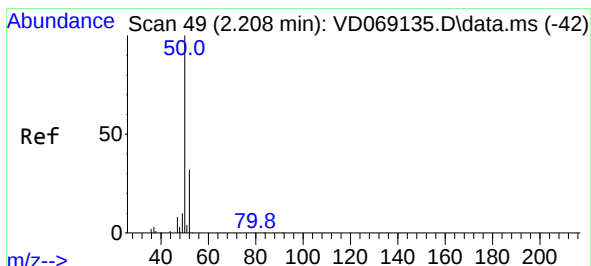
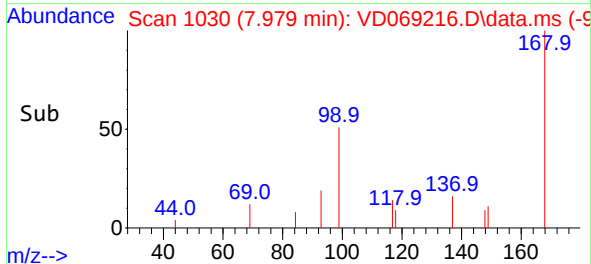
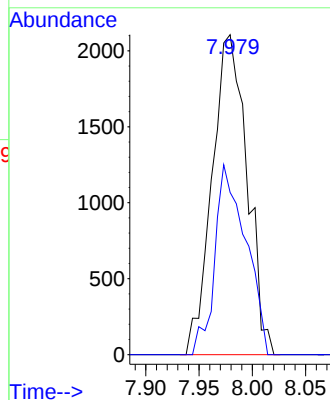
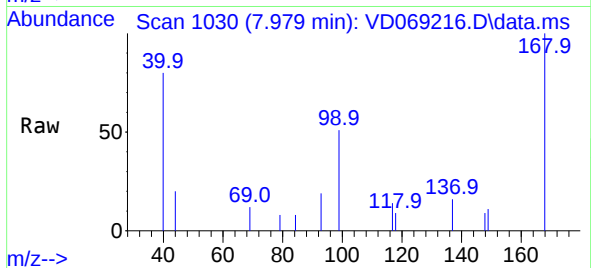




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

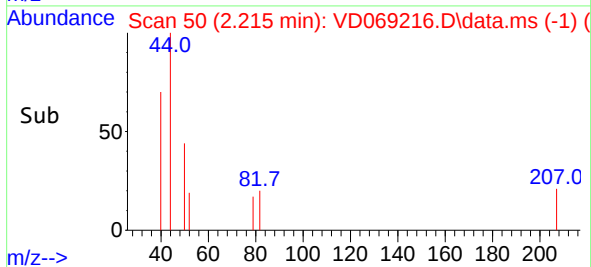
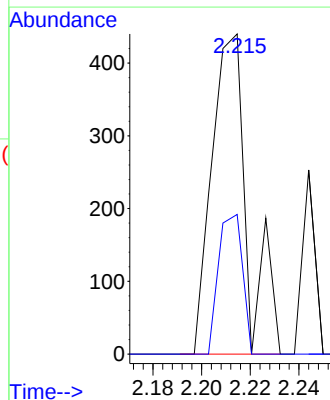
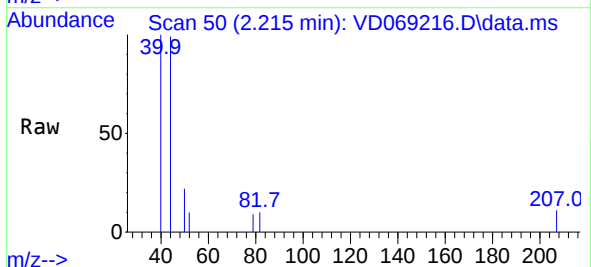
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

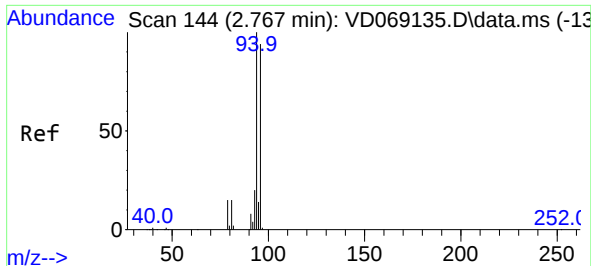
Tgt Ion:168 Resp: 4804
Ion Ratio Lower Upper
168 100
99 50.7 47.2 70.8



#3
Chloromethane
Concen: 7.61 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 50 Resp: 447
Ion Ratio Lower Upper
50 100
52 43.6 25.8 38.8#

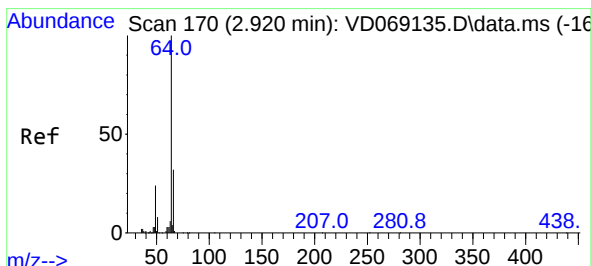
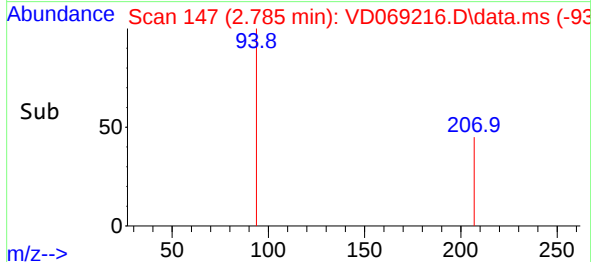
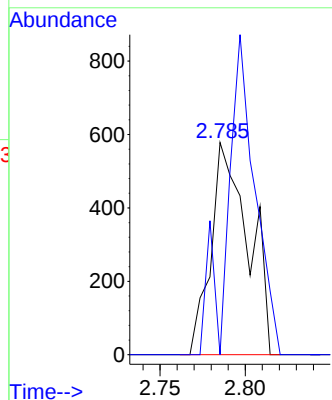
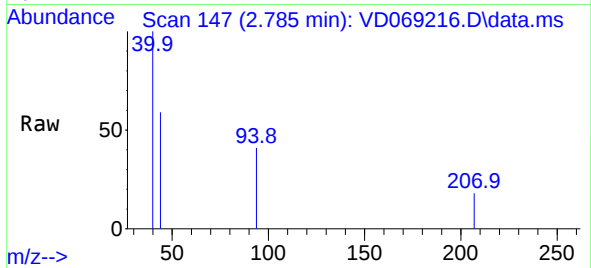




#5
Bromomethane
Concen: 15.08 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

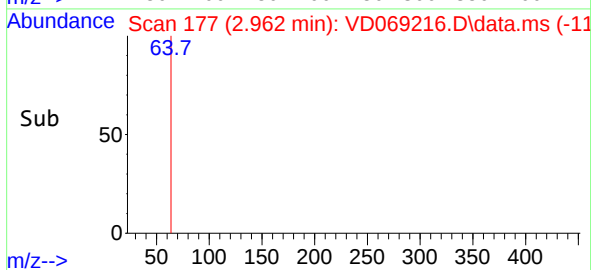
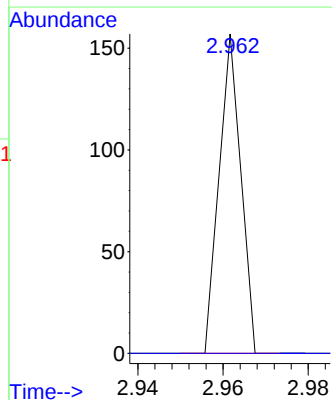
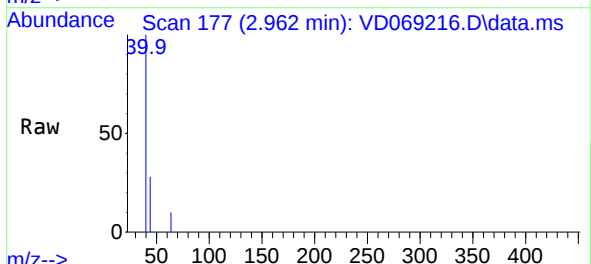
Instrument :
MSVOA_D
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TOP-SOIL-COMPOSITE-PILE-3RE

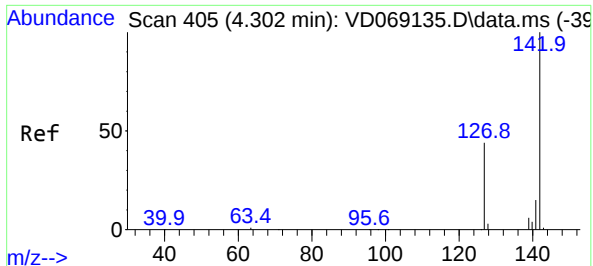
Tgt Ion: 94 Resp: 878
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#6
Chloroethane
Concen: 1.11 ug/l
RT: 2.962 min Scan# 177
Delta R.T. 0.042 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



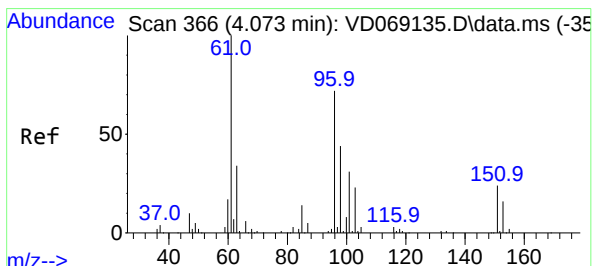
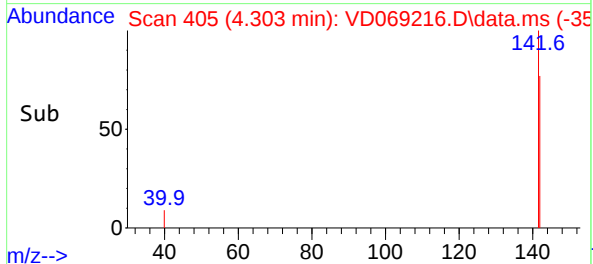
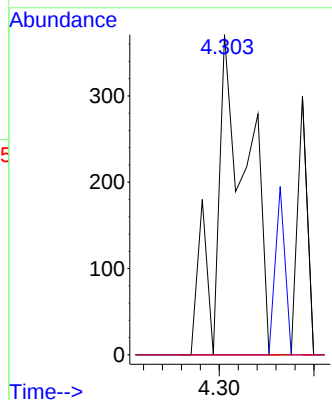
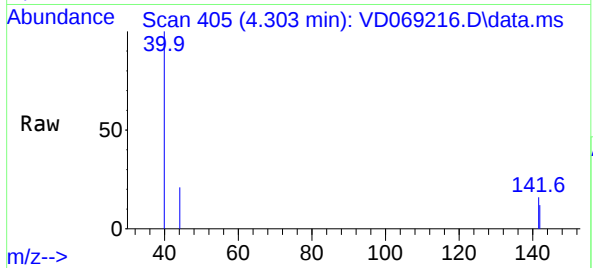


#10
Methyl Iodide
Concen: 8.63 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

Tgt Ion:142 Resp: 437

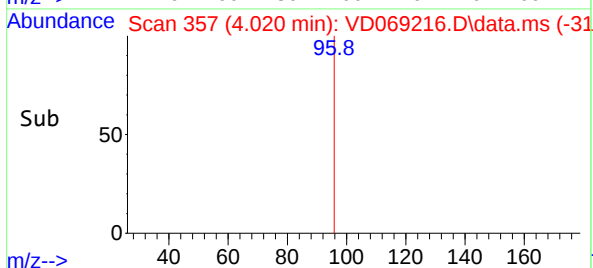
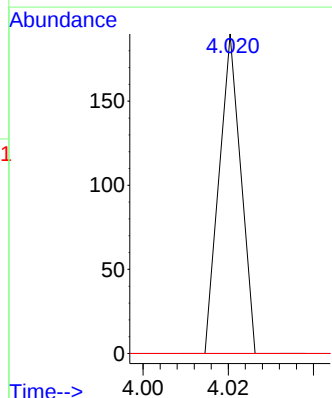
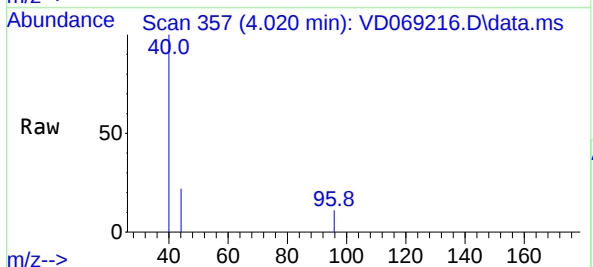
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.3	55.9#
141	0.0	12.2	18.4#

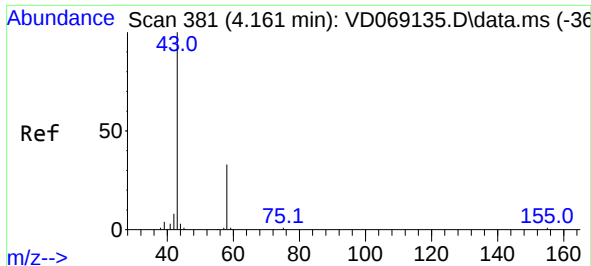


#12
1,1-Dichloroethene
Concen: 1.39 ug/l
RT: 4.020 min Scan# 357
Delta R.T. -0.053 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 96 Resp: 67

Ion	Ratio	Lower	Upper
96	100		
61	0.0	111.1	166.7#
98	0.0	48.4	72.6#

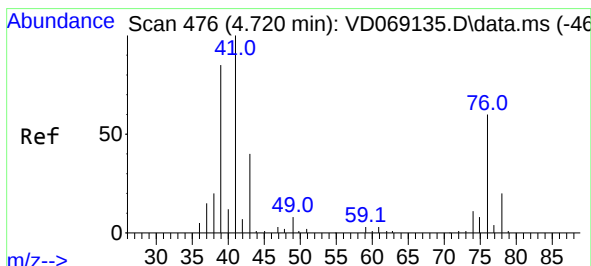
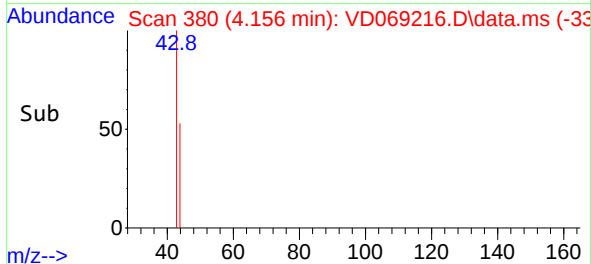
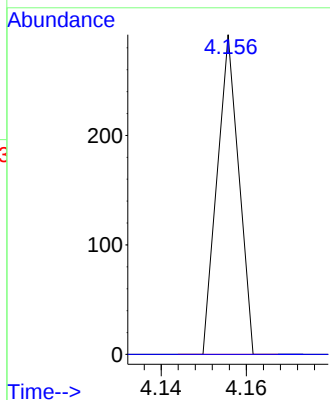
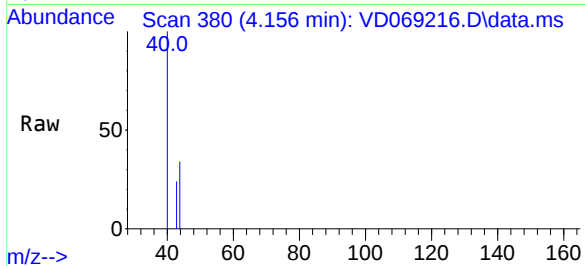




#16
Acetone
Concen: 13.96 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

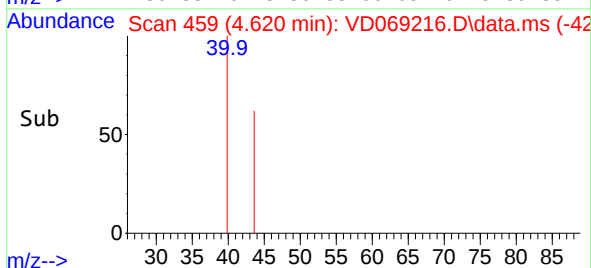
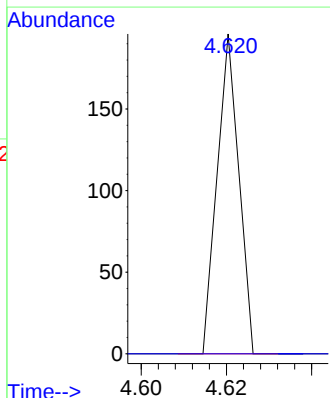
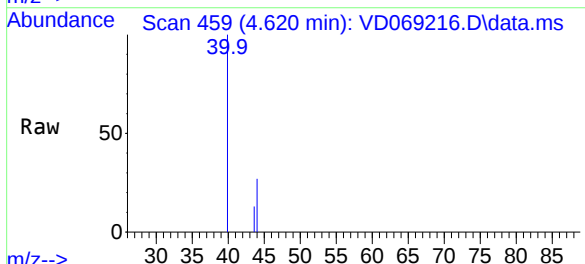
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

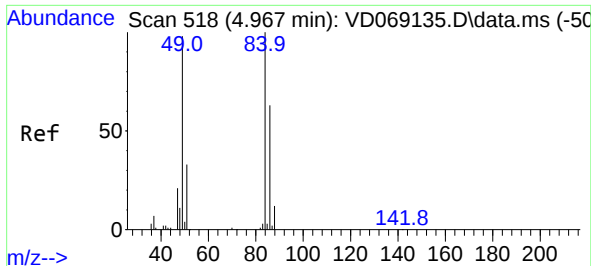
Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#18
Methyl Acetate
Concen: 3.85 ug/l
RT: 4.620 min Scan# 459
Delta R.T. -0.100 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



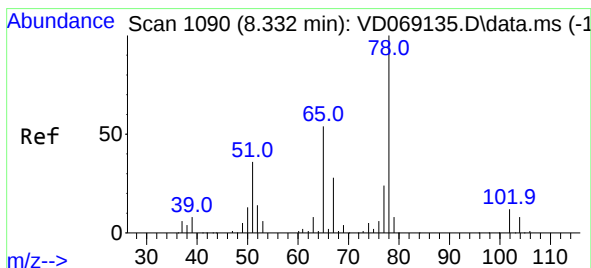
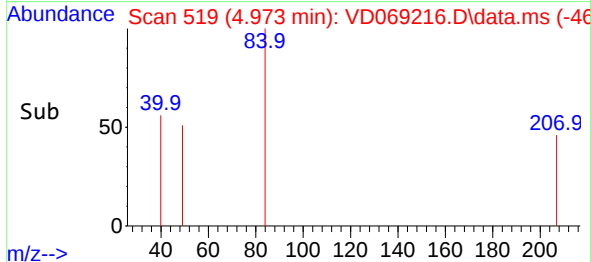
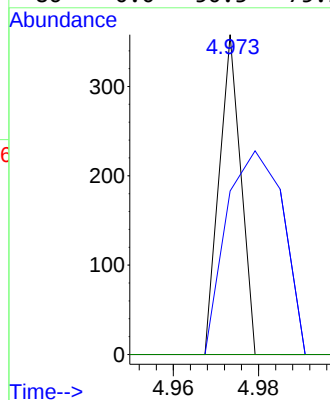
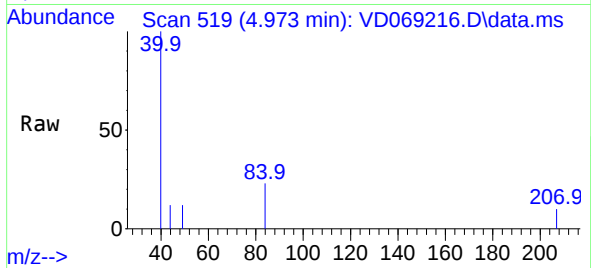


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

Tgt Ion: 84 Resp: 126

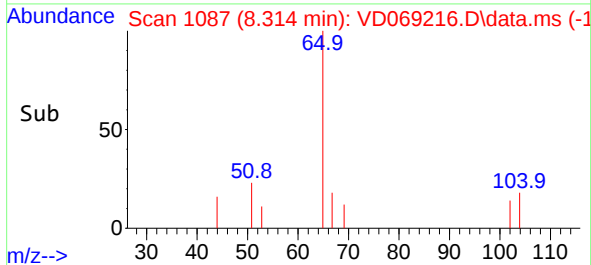
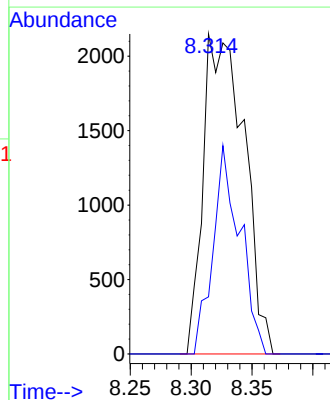
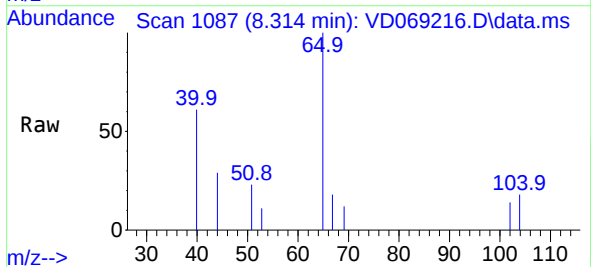
Ion	Ratio	Lower	Upper
84	100		
49	51.1	78.6	117.8#
51	0.0	26.7	40.1#
86	0.0	50.3	75.5#

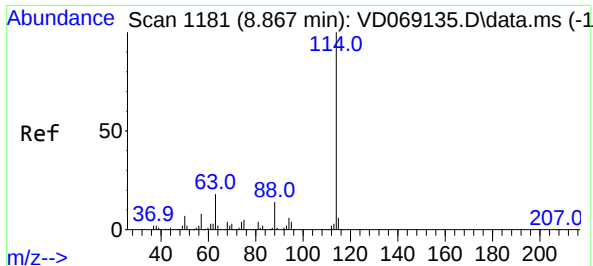


#33
1,2-Dichloroethane-d4
Concen: 104.24 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.017 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 65 Resp: 5020

Ion	Ratio	Lower	Upper
65	100		
67	43.1	0.0	108.0



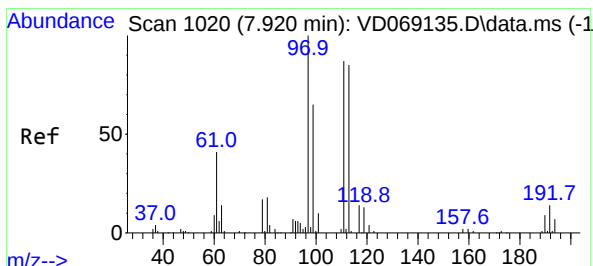
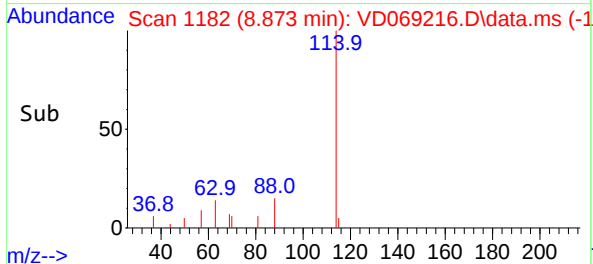
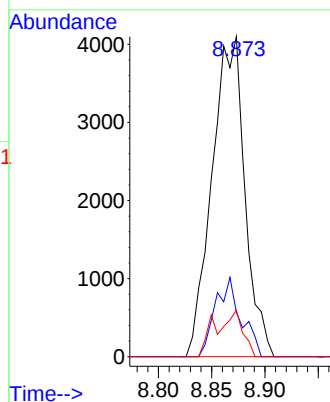
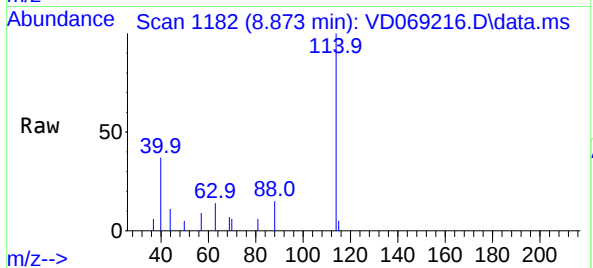


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Instrument :
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ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

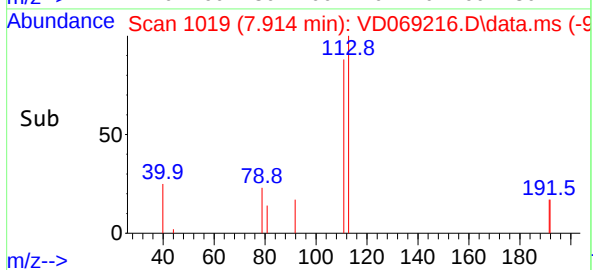
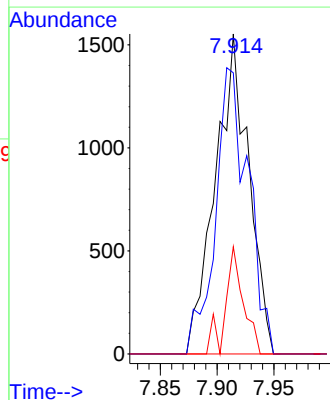
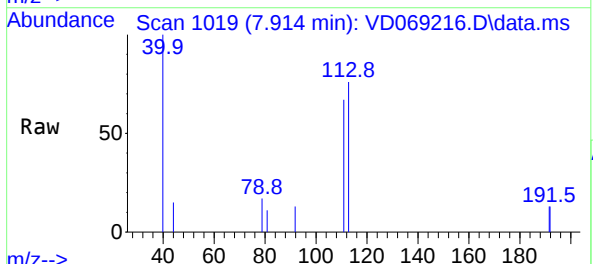
Tgt Ion:	114	Resp:	8784
Ion	Ratio	Lower	Upper
114	100		
63	13.9	0.0	36.4
88	14.6	0.0	28.2

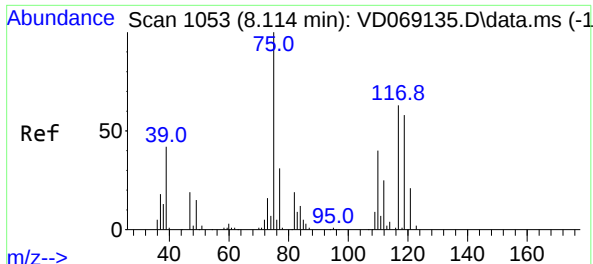


#35

Dibromofluoromethane
Concen: 55.45 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion:	113	Resp:	3170
Ion	Ratio	Lower	Upper
113	100		
111	88.1	80.6	120.8
192	18.0	14.8	22.2

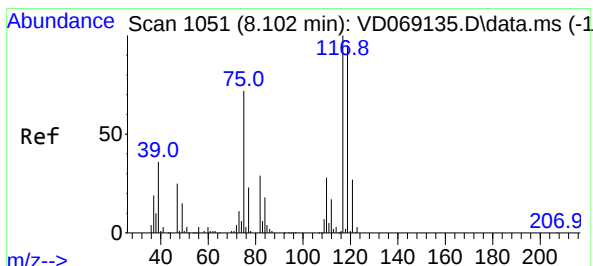
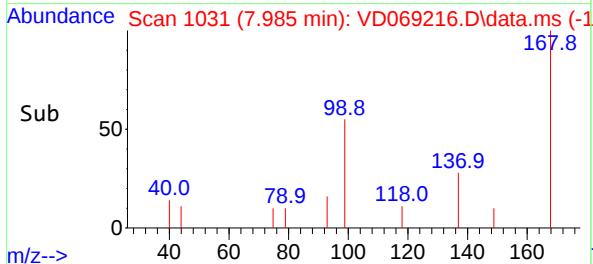
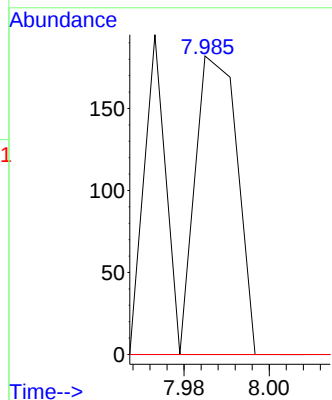
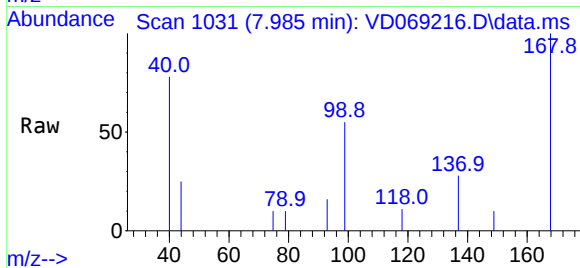




#36
1,1-Dichloropropene
Concen: 1.45 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

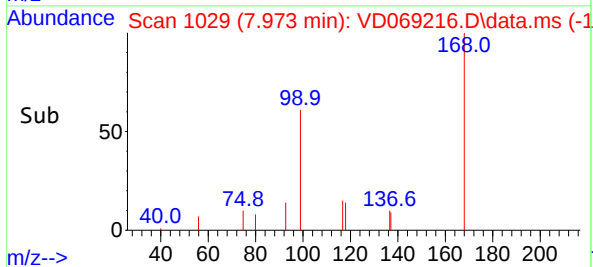
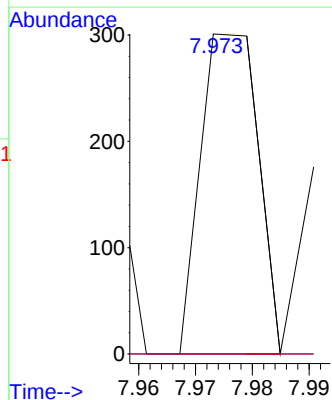
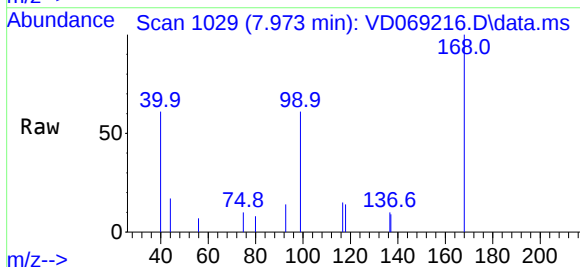
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TOP-SOIL-COMPOSITE-PILE-3RE

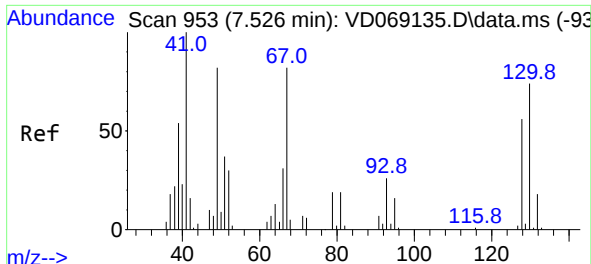
Tgt Ion: 75 Resp: 124
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 2.22 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 117 Resp: 212
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#

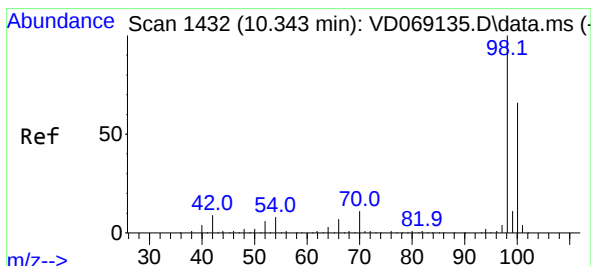
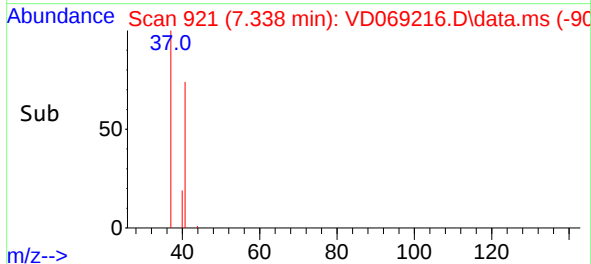
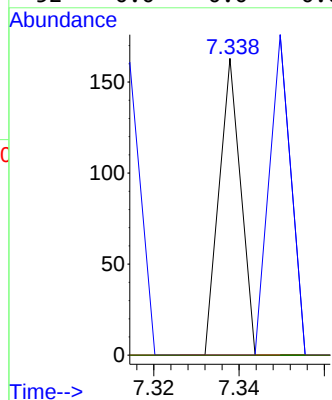
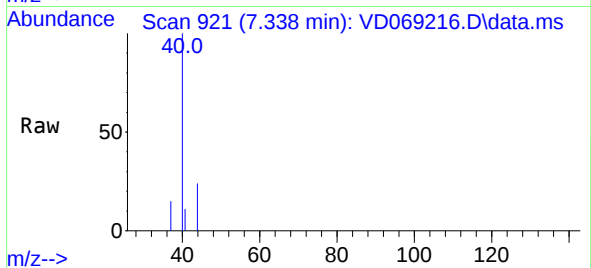




#41
Methacrylonitrile
Concen: 3.90 ug/l
RT: 7.338 min Scan# 921
Delta R.T. -0.188 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

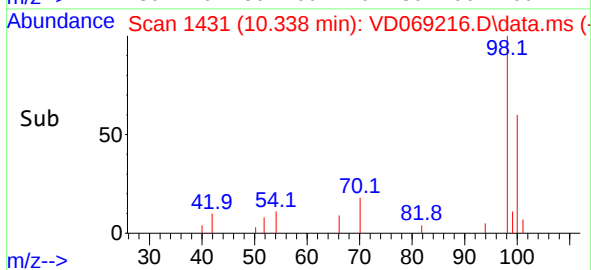
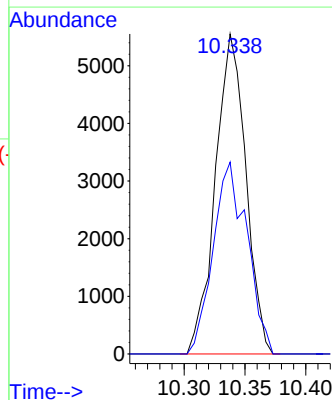
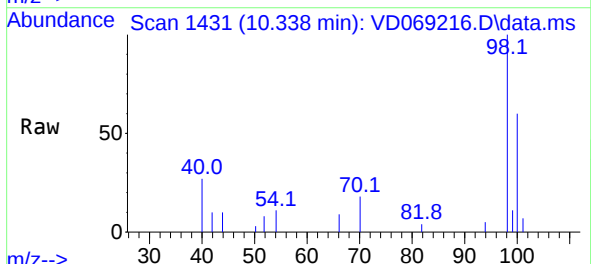
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

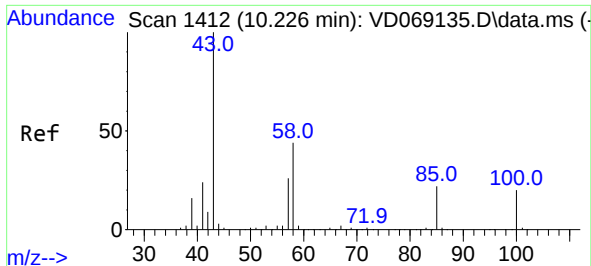
Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 108.8 58.0 87.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 46.09 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 98 Resp: 9680
Ion Ratio Lower Upper
98 100
100 66.6 51.8 77.8

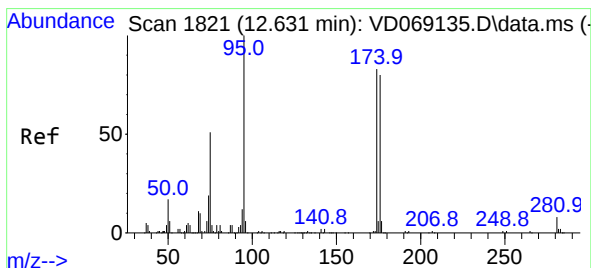
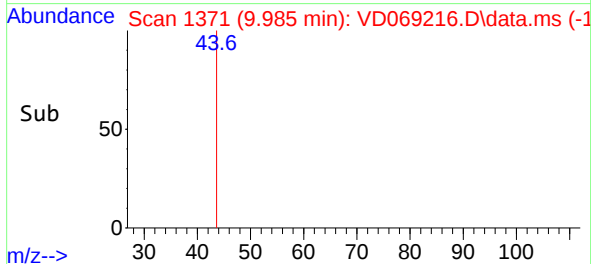
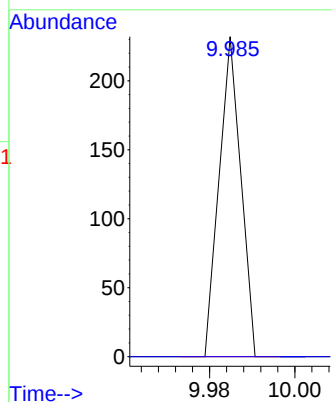
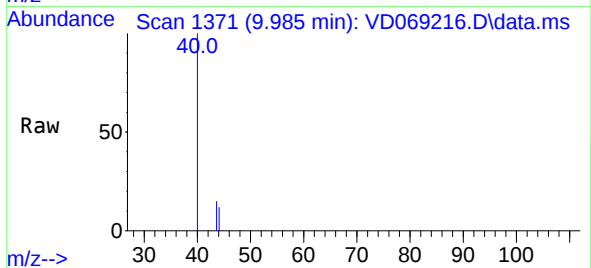




#51
4-Methyl-2-Pentanone
Concen: 3.20 ug/l
RT: 9.985 min Scan# 1371
Delta R.T. -0.241 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

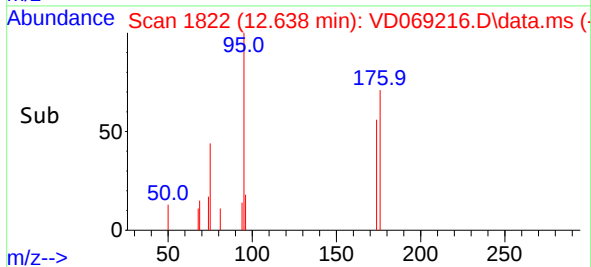
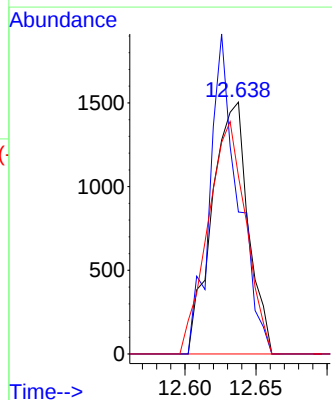
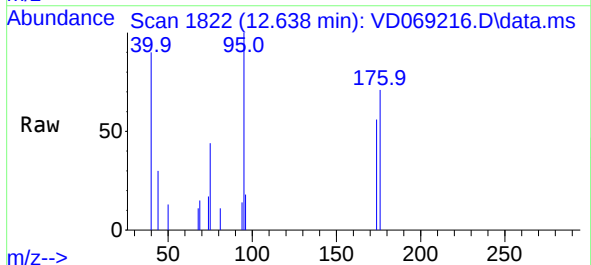
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

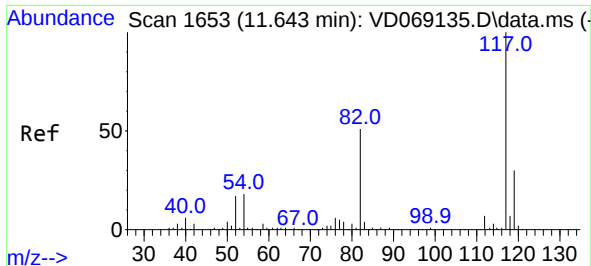
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.4#



#62
4-Bromofluorobenzene
Concen: 39.64 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 95 Resp: 2679
Ion Ratio Lower Upper
95 100
174 98.5 0.0 171.8
176 96.1 0.0 165.4

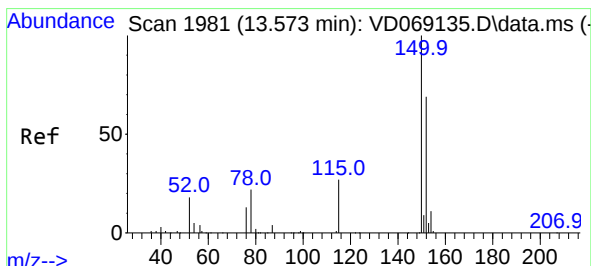
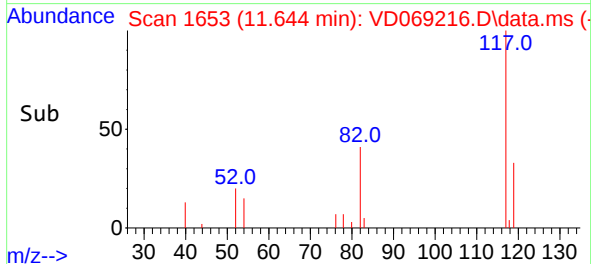
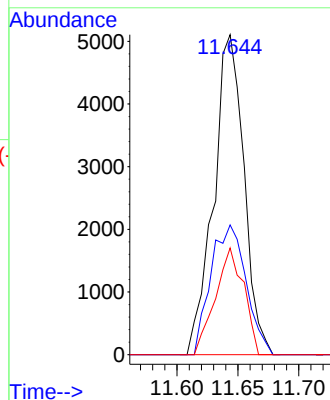
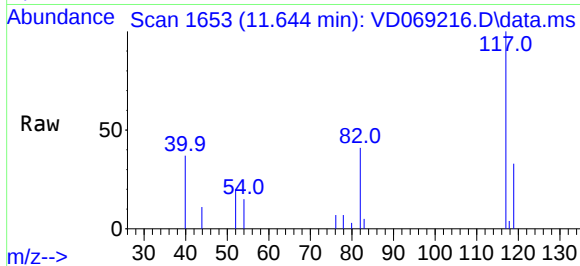




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

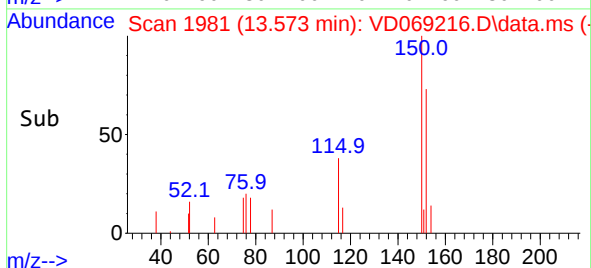
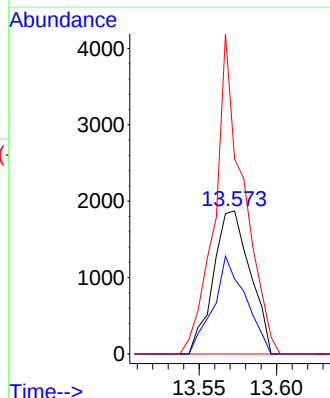
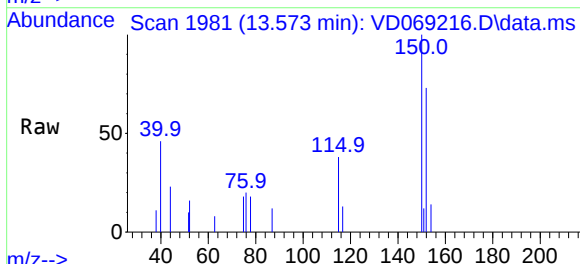
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

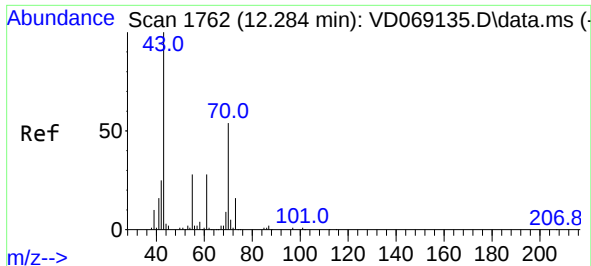
Tgt Ion:	117	Resp:	8852
Ion	Ratio	Lower	Upper
117	100		
82	40.5	40.5	60.7
119	33.4	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

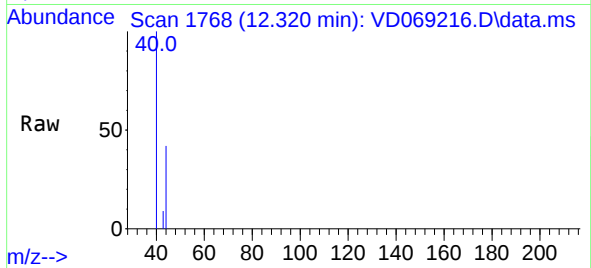
Tgt Ion:	152	Resp:	3107
Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.9	89.8
150	173.4	0.0	350.2



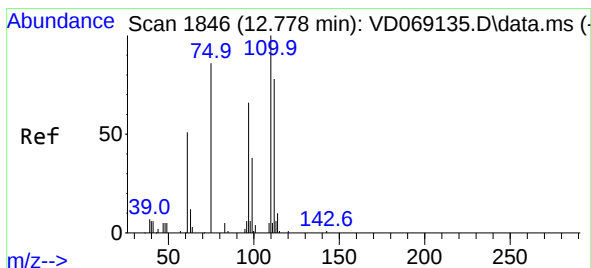
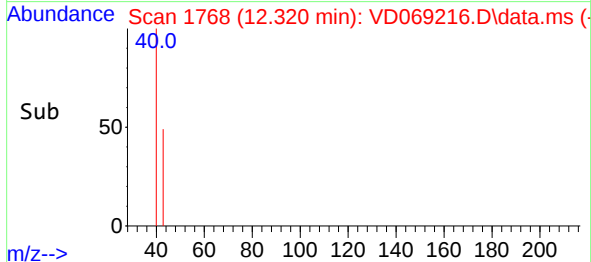
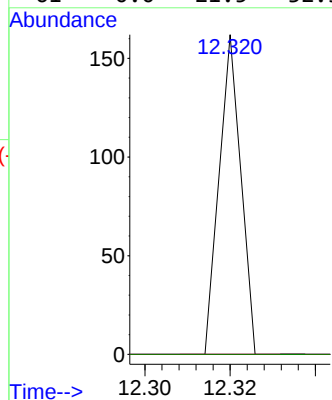


#74
N-amy1 acetate
Concen: 1.60 ug/l
RT: 12.320 min Scan# 1768
Delta R.T. 0.036 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

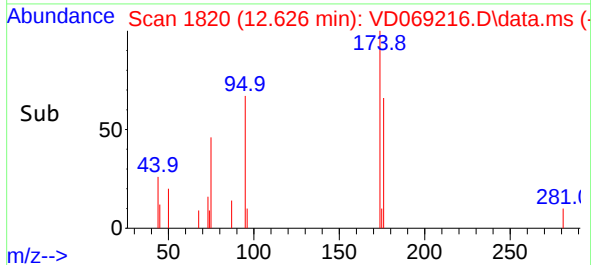
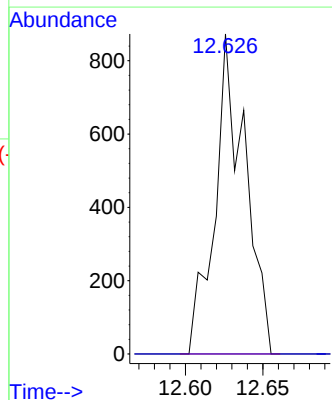
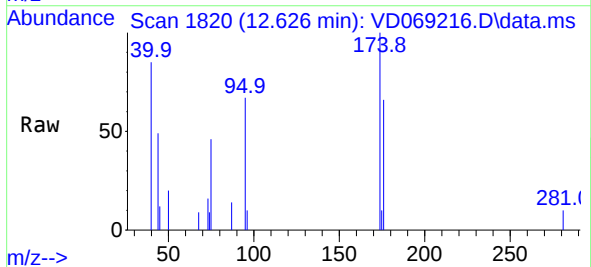


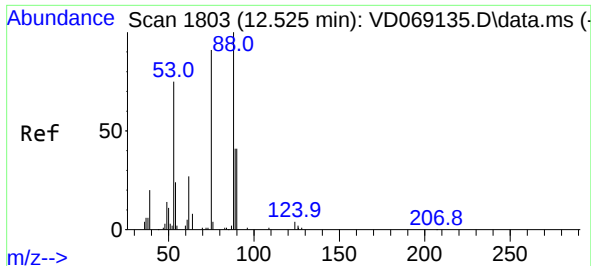
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
70 0.0 41.6 62.4#
55 0.0 22.6 34.0#
61 0.0 21.5 32.3#



#76
1,2,3-Trichloropropane
Concen: 50.69 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion: 75 Resp: 1184
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

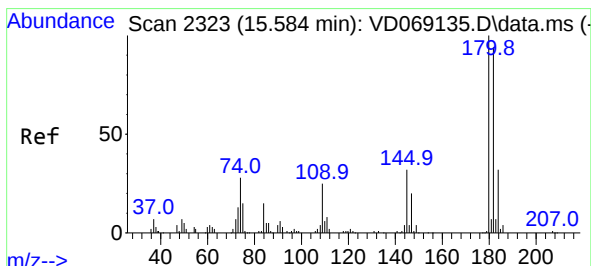
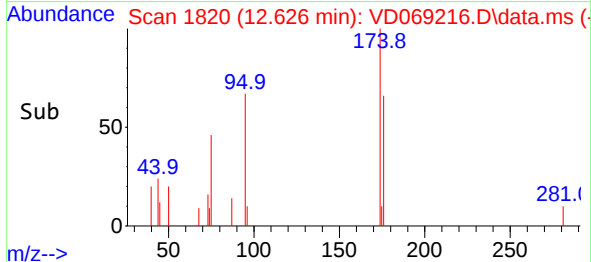
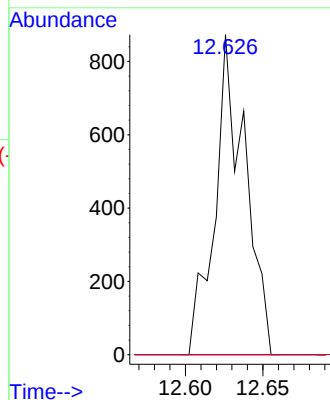
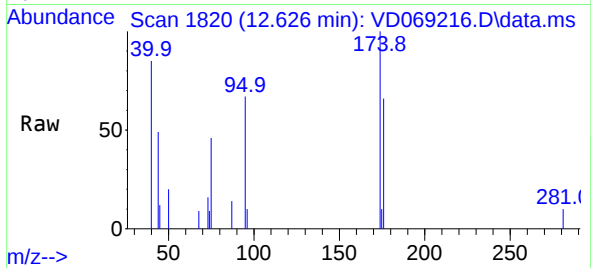




#81
trans-1,4-Dichloro-2-butene
Concen: 102.40 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3RE

Tgt Ion: 75 Resp: 1184
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.21 ug/l
RT: 15.567 min Scan# 2320
Delta R.T. -0.017 min
Lab File: VD069216.D
Acq: 20 May 2021 13:59

Tgt Ion:180 Resp: 57
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.4#
145 0.0 16.1 48.3#

