

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069837.D
 Acq On : 23 Jul 2021 19:10
 Operator : VA/SY
 Sample : M3119-01
 Misc : 6.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOP-SOIL-GRILLIO-1

Quant Time: Jul 24 01:36:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

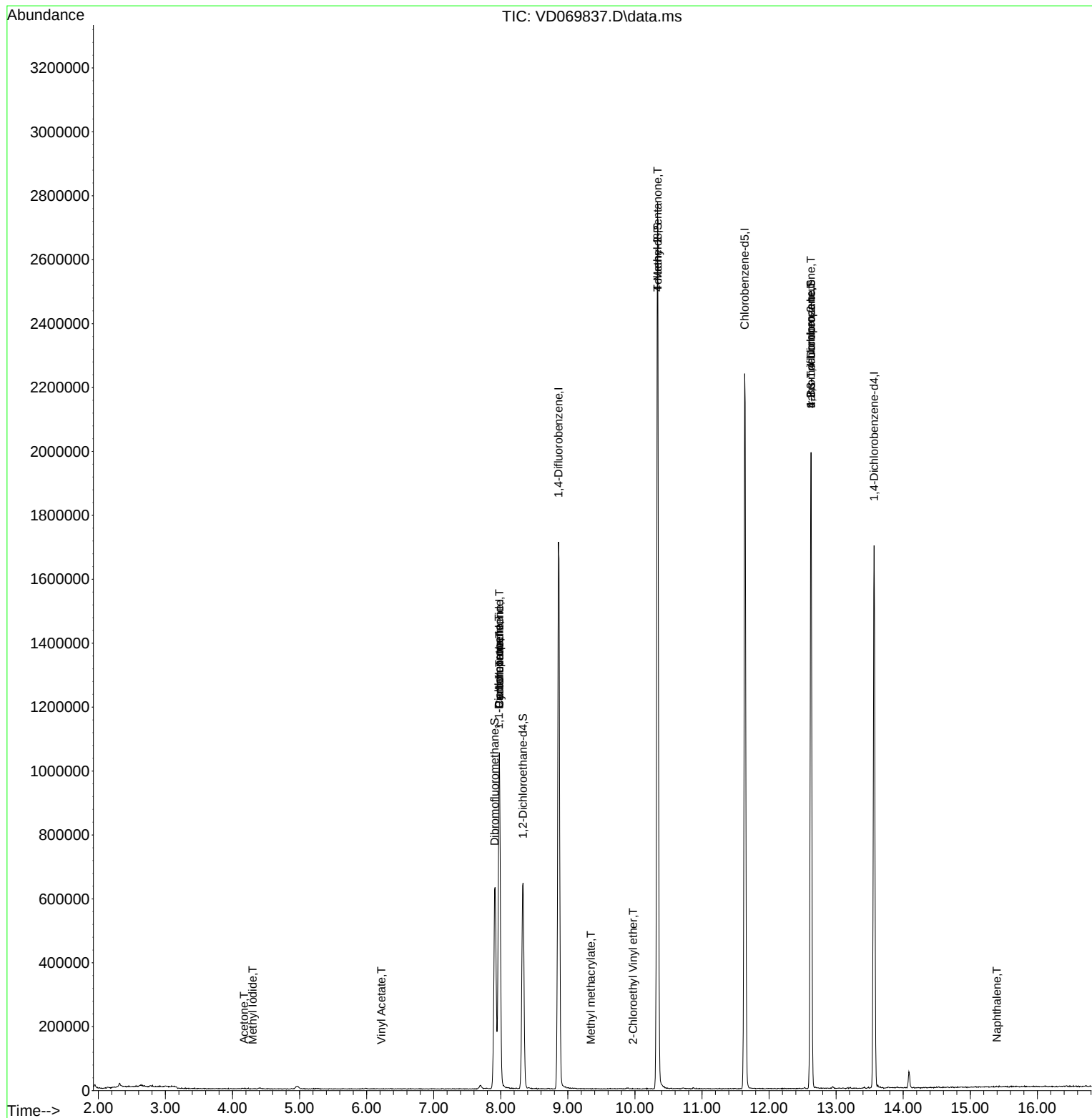
Internal Standards						
1) Pentafluorobenzene	7.979	168	735524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1461149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1322005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	456118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	516454	61.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.100%			
35) Dibromofluoromethane	7.908	113	480363	52.151	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.300%			
50) Toluene-d8	10.338	98	1842508	51.876	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.626	95	553742	46.650	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.300%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	2147	Below Cal		98
10) Methyl Iodide	4.303	142	767	3.541 ug/l #		48
16) Acetone	4.173	43	2309	1.511 ug/l #		85
20) Methylene Chloride	4.967	84	7191	Below Cal		93
23) Vinyl Acetate	6.220	43	63	20.353 ug/l #		71
31) Cyclohexane	7.979	56	16677	1.009 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	67683	4.292 ug/l #		48
38) Carbon Tetrachloride	7.979	117	78801	5.471 ug/l #		17
48) Methyl methacrylate	9.344	41	117	2.767 ug/l #		13
51) 4-Methyl-2-Pentanone	10.338	43	7673	1.432 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.973	63	98	20.890 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	271554	56.011 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	271554	169.924 ug/l #		16
95) Naphthalene	15.396	128	477	5.027 ug/l #		69

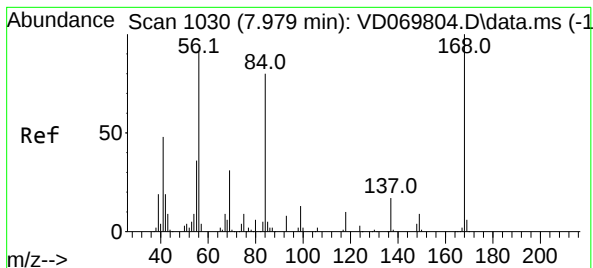
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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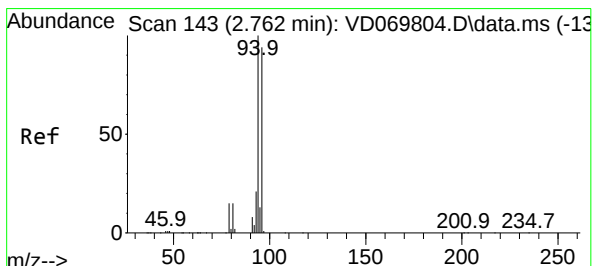
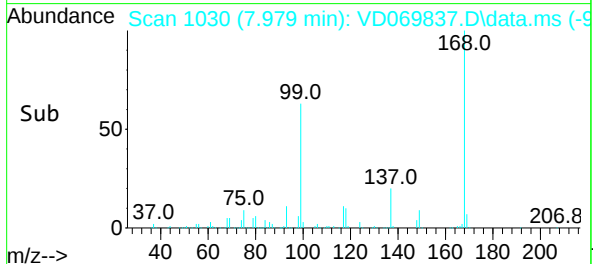
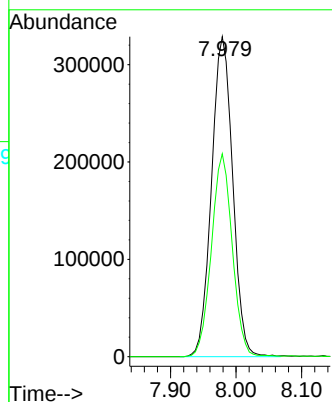
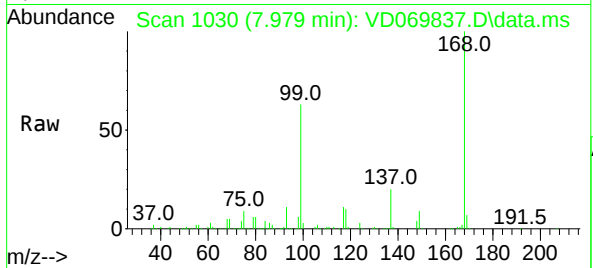




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

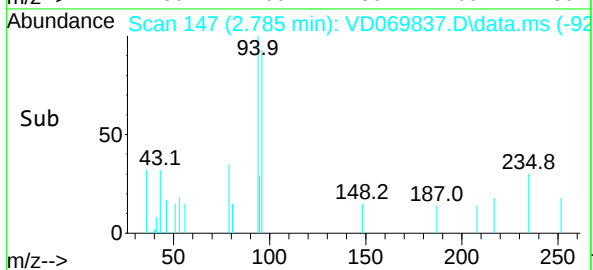
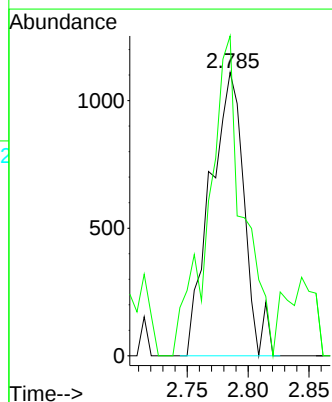
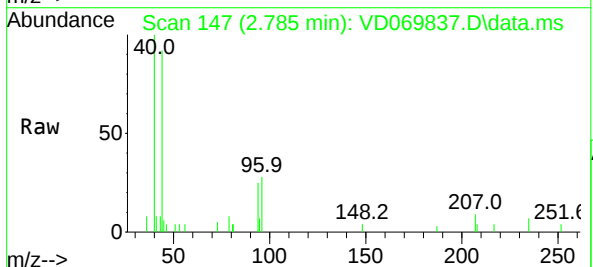
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

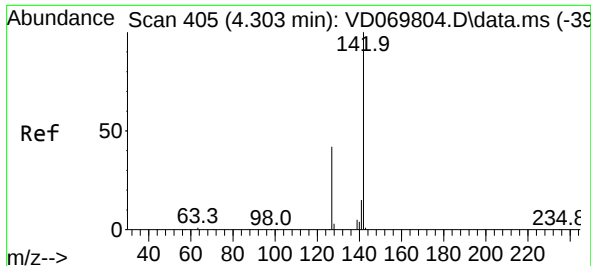
Tgt Ion:168 Resp: 735524
Ion Ratio Lower Upper
168 100
99 63.4 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 94 Resp: 2147
Ion Ratio Lower Upper
94 100
96 95.9 74.8 112.2

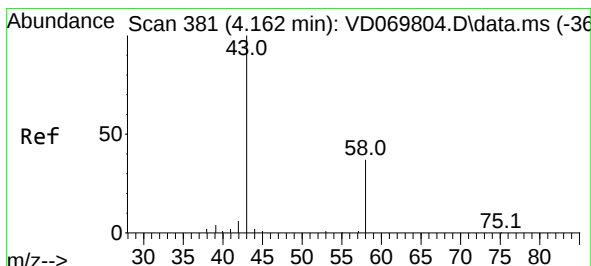
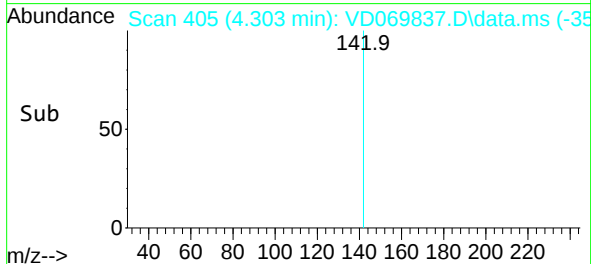
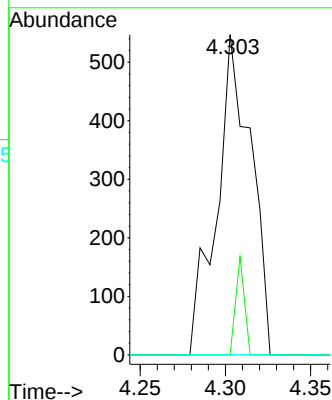
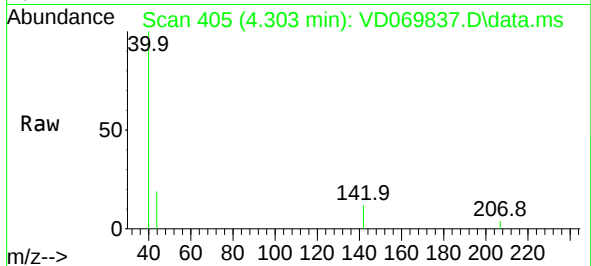




#10
Methyl Iodide
Concen: 3.541 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

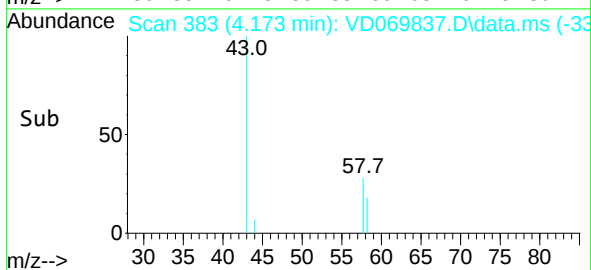
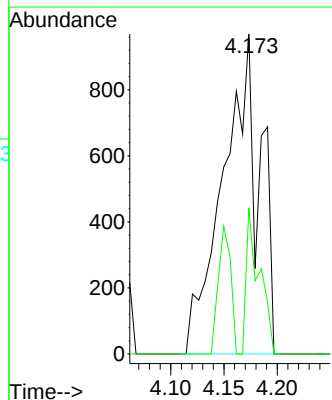
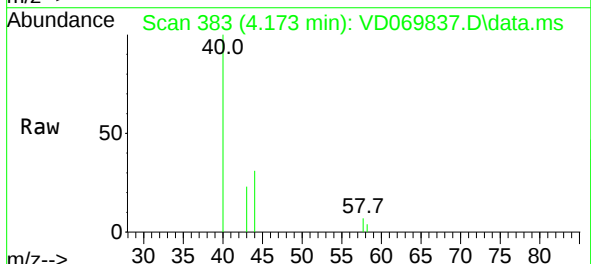
Instrument :
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ClientSampleId :
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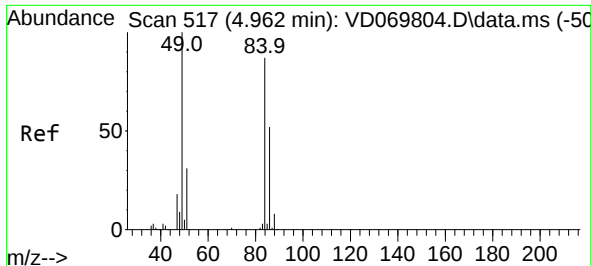
Tgt Ion:142 Resp: 767
Ion Ratio Lower Upper
142 100
127 7.7 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.511 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
58 45.7 29.4 44.0#

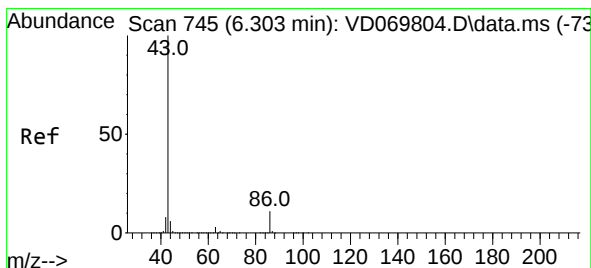
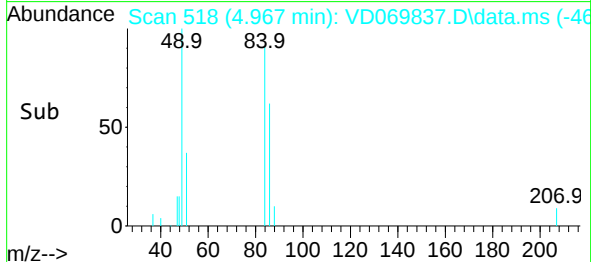
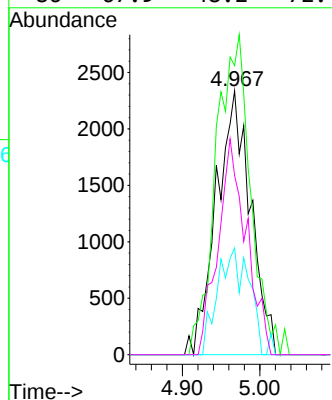
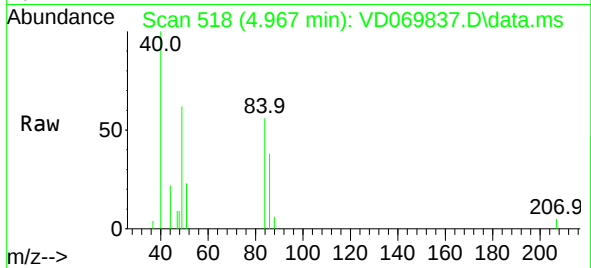




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

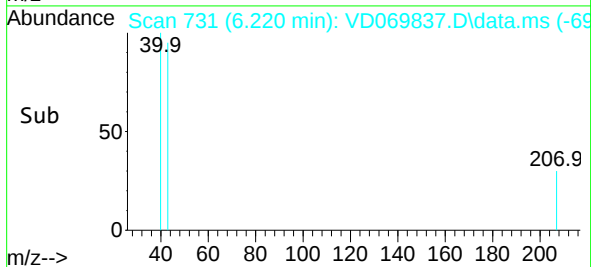
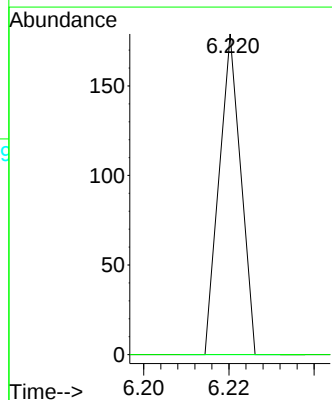
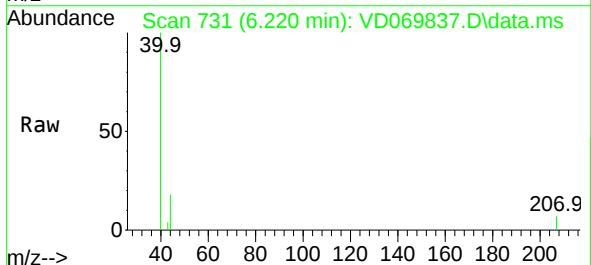
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

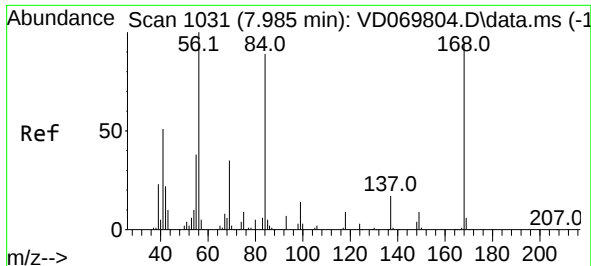
Tgt Ion:	84	Resp:	7191
Ion	Ratio	Lower	Upper
84	100		
49	109.5	92.4	138.6
51	40.4	28.5	42.7
86	67.9	48.2	72.4



#23
Vinyl Acetate
Concen: 20.353 ug/l
RT: 6.220 min Scan# 731
Delta R.T. -0.083 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

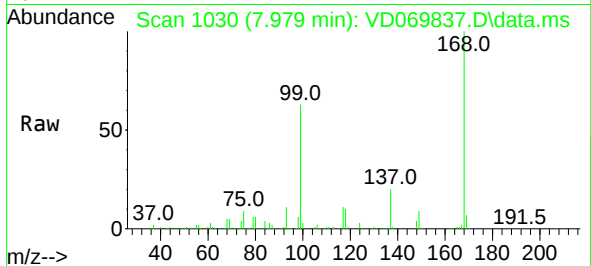
Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



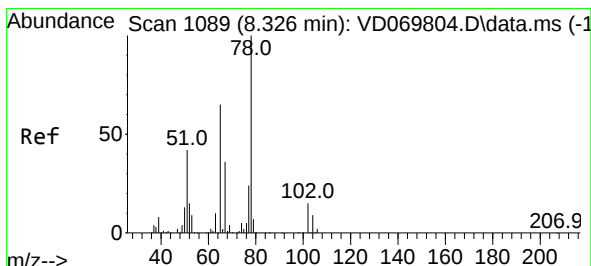
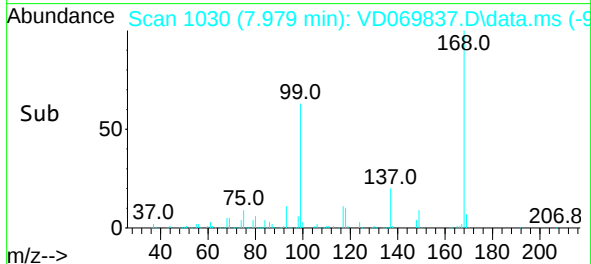
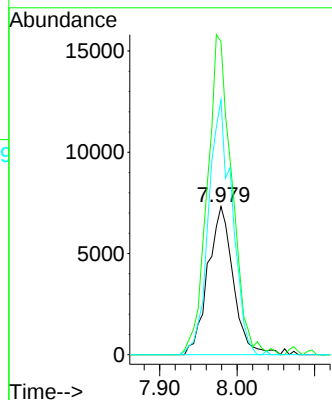


#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

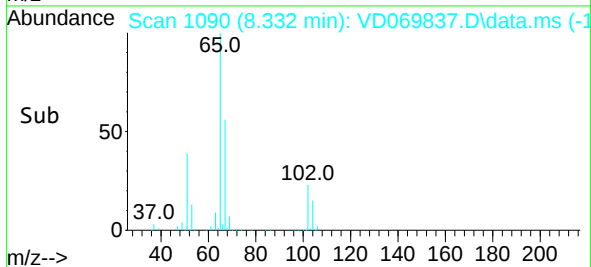
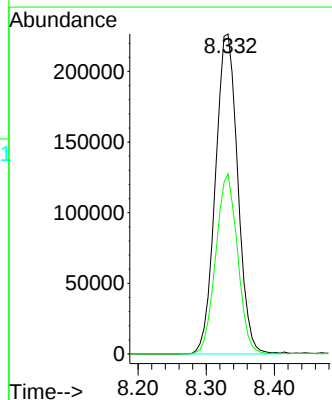
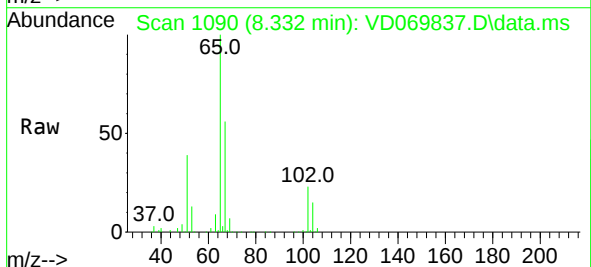


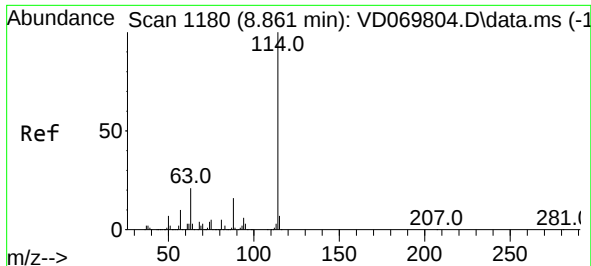
Tgt Ion: 56 Resp: 16677
Ion Ratio Lower Upper
56 100
69 211.6 27.9 41.9#
84 176.9 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 61.052 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 65 Resp: 516454
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.2

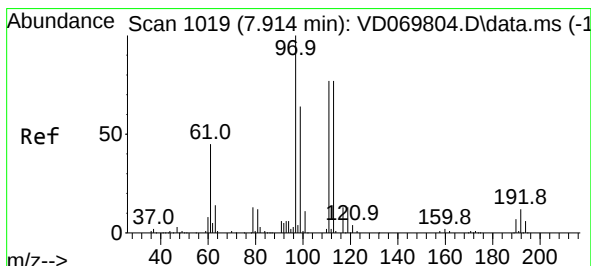
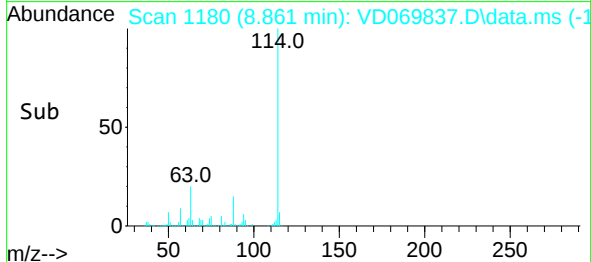
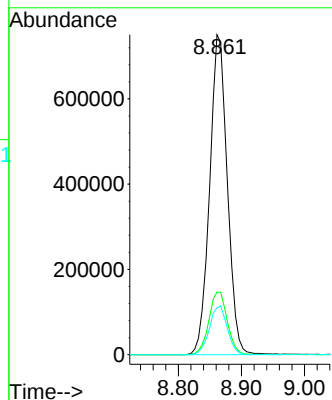
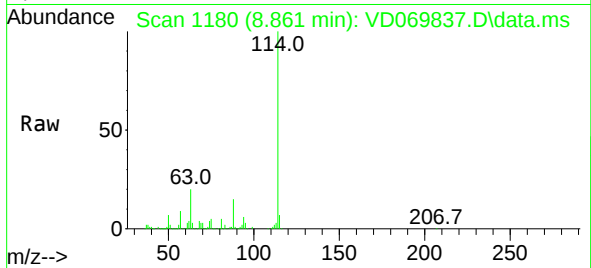




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

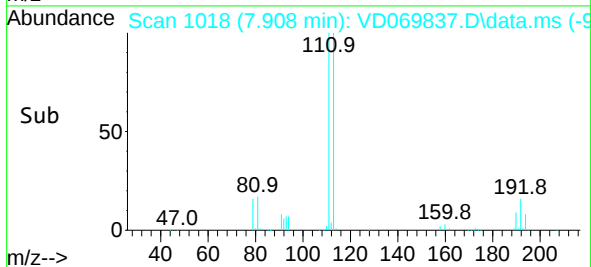
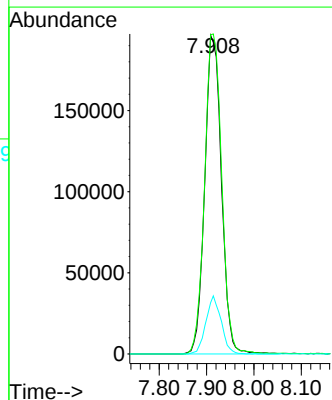
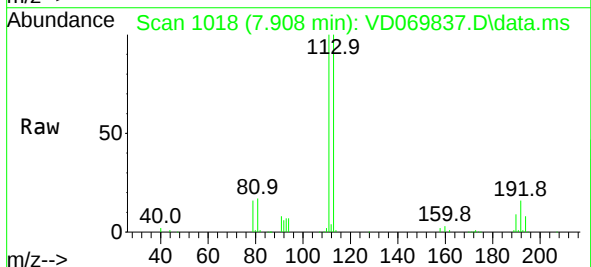
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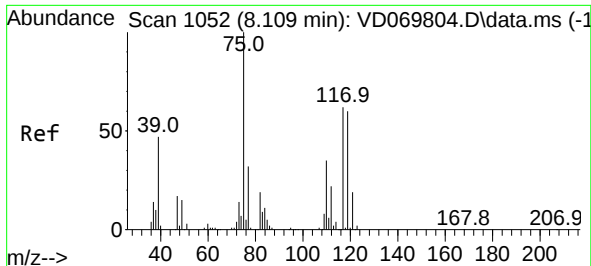
Tgt Ion:114 Resp: 1461149
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.6
88 14.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.151 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

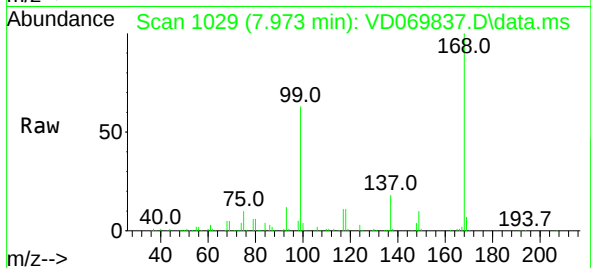
Tgt Ion:113 Resp: 480363
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 16.7 12.6 19.0



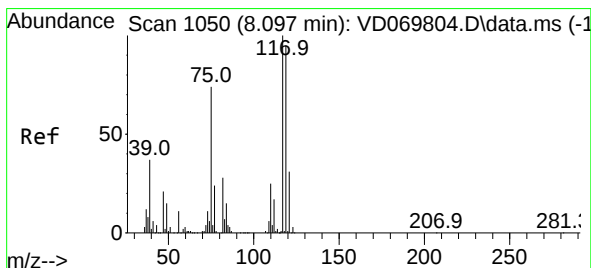
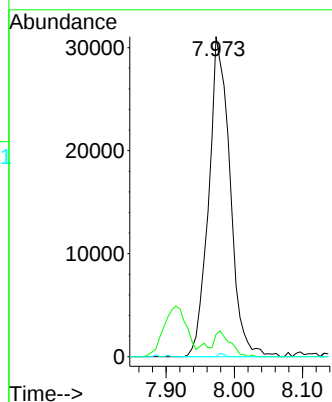
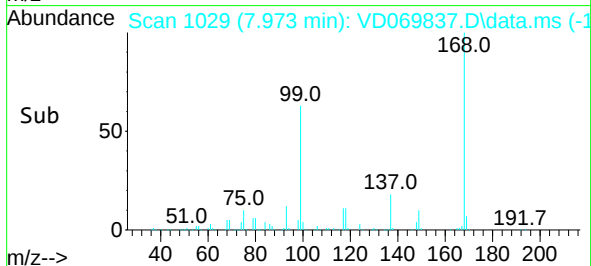


#36
1,1-Dichloropropene
Concen: 4.292 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

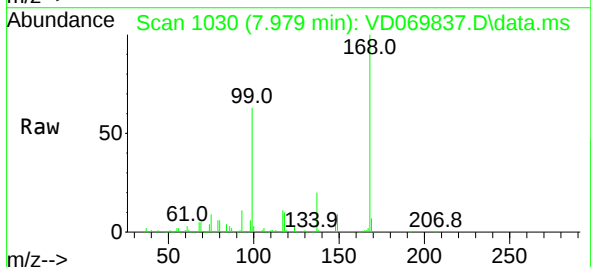
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MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1



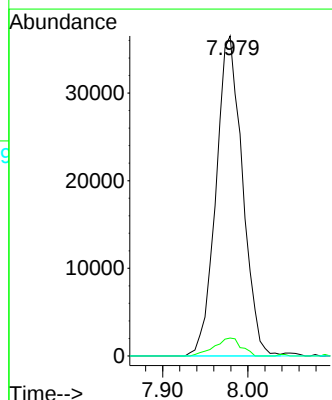
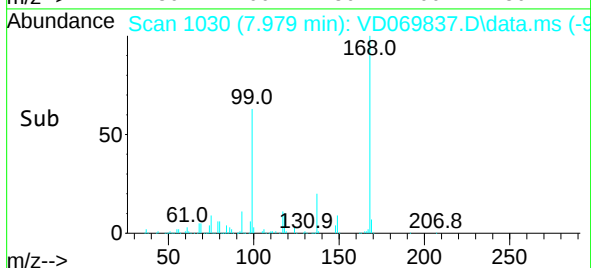
Tgt Ion: 75 Resp: 67683
Ion Ratio Lower Upper
75 100
110 6.1 16.9 50.7#
77 0.3 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.471 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10



Tgt Ion: 117 Resp: 78801
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.5 36.7#

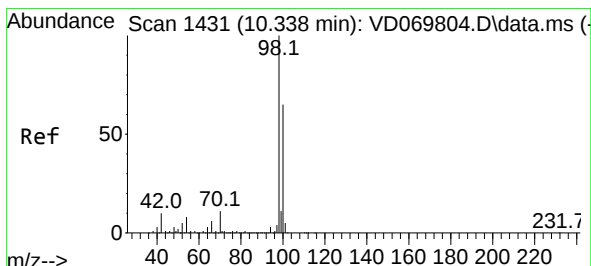
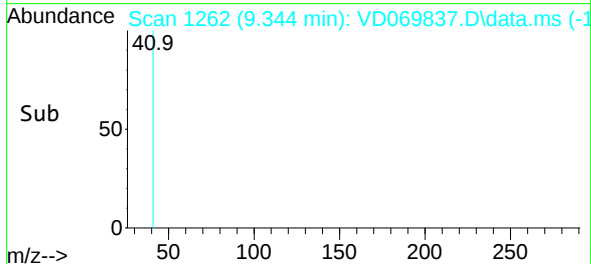
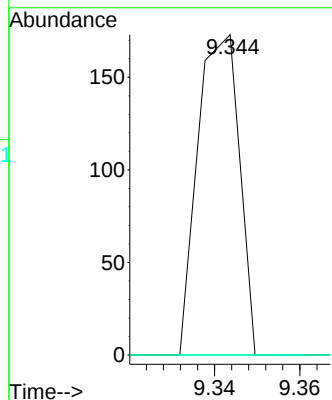
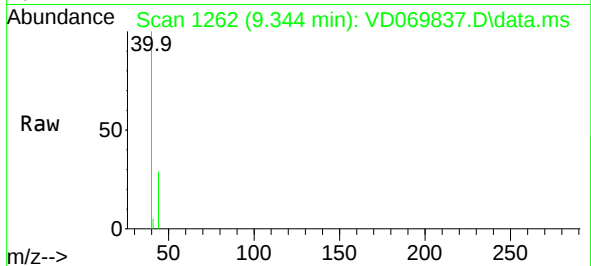




#48
Methyl methacrylate
Concen: 2.767 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.106 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

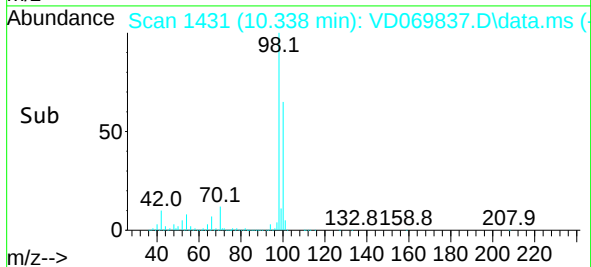
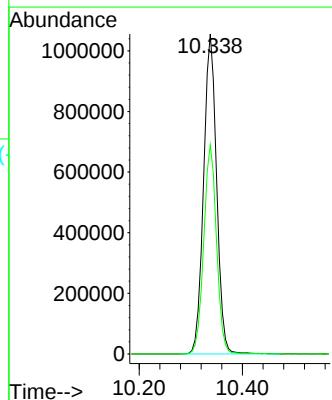
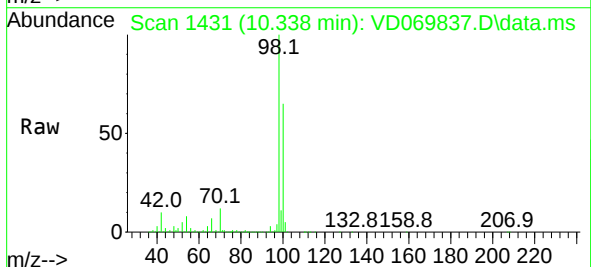
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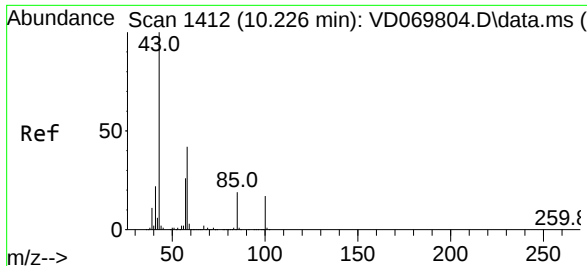
Tgt Ion: 41 Resp: 117
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.876 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 98 Resp: 1842508
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

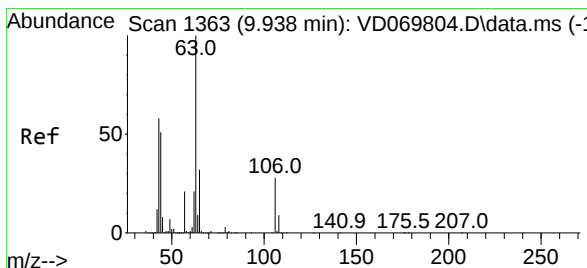
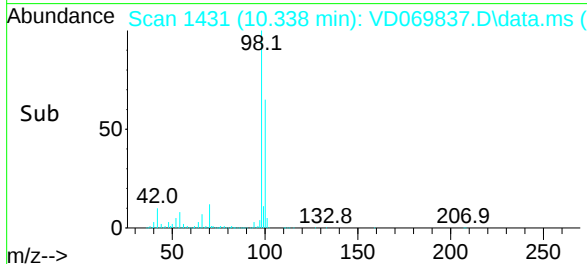
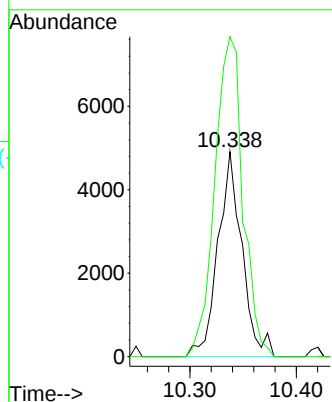
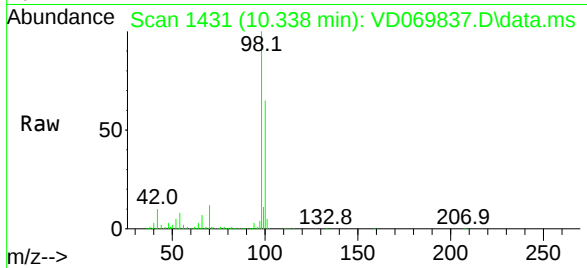




#51
4-Methyl-2-Pentanone
Concen: 1.432 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

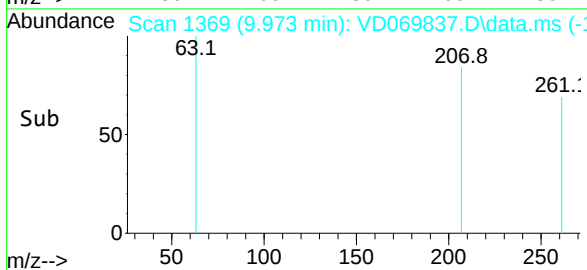
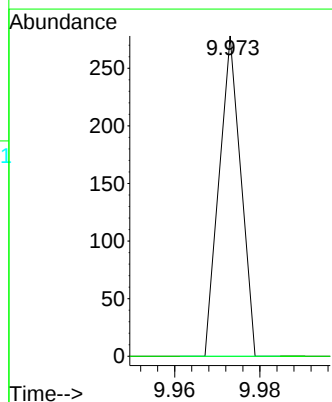
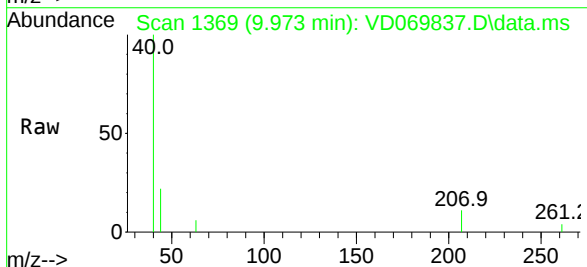
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

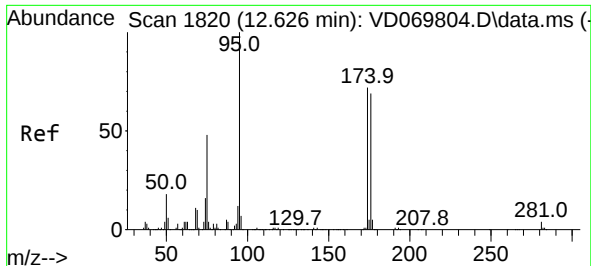
Tgt Ion: 43 Resp: 7673
Ion Ratio Lower Upper
43 100
58 183.1 33.7 50.5#



#58
2-Chloroethyl Vinyl ether
Concen: 20.890 ug/l
RT: 9.973 min Scan# 1369
Delta R.T. 0.035 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 63 Resp: 98
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

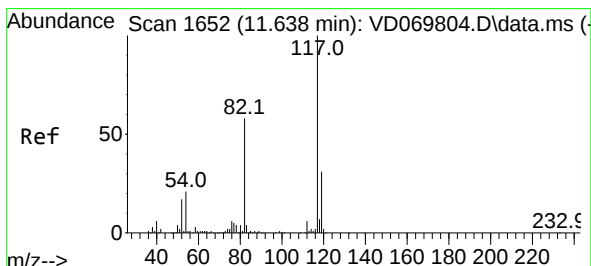
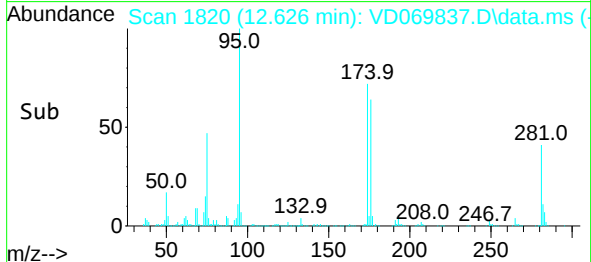
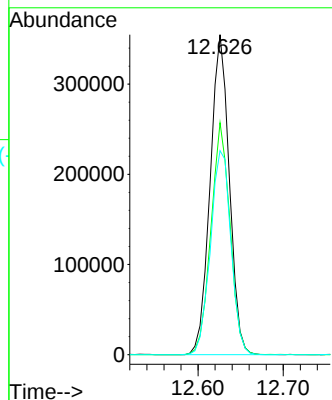
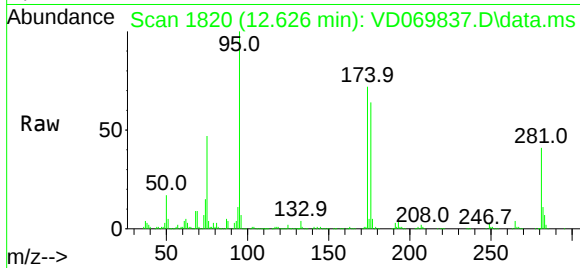




#62
4-Bromofluorobenzene
Concen: 46.650 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

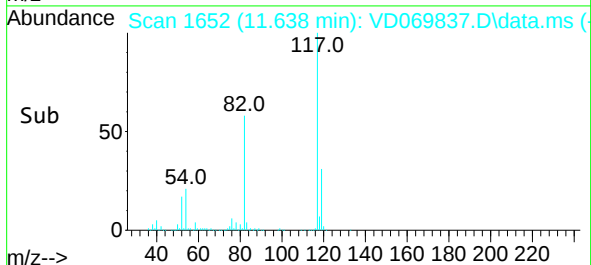
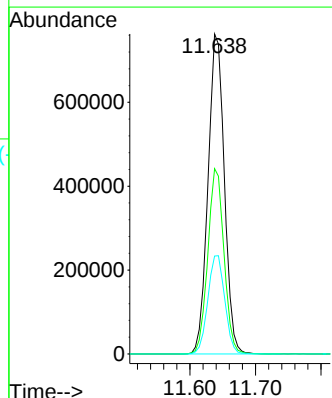
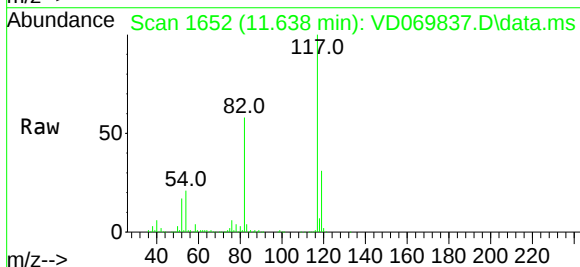
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

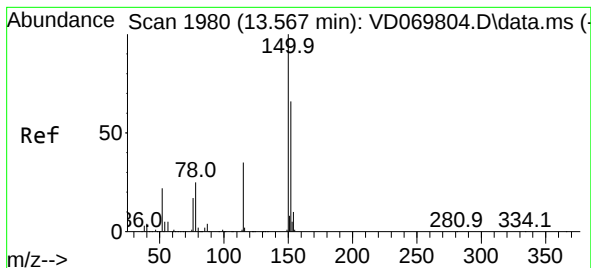
Tgt Ion: 95 Resp: 553742
Ion Ratio Lower Upper
95 100
174 72.3 0.0 142.6
176 68.0 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 117 Resp: 1322005
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 30.6 24.7 37.1



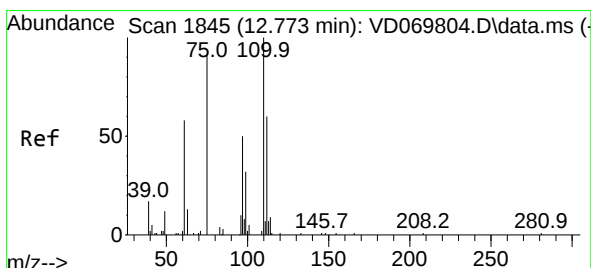
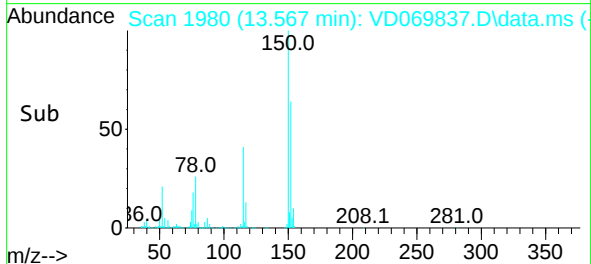
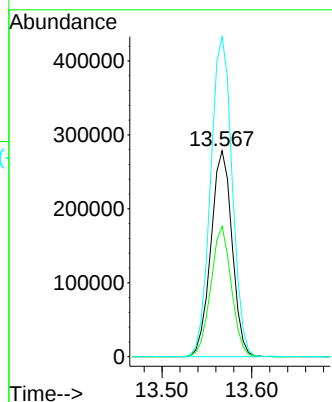
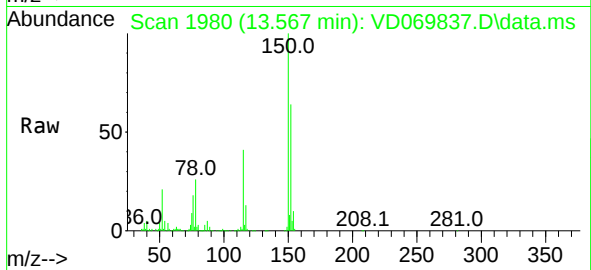


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

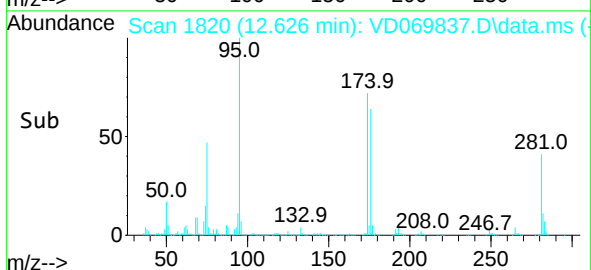
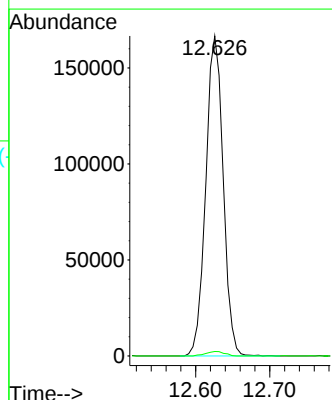
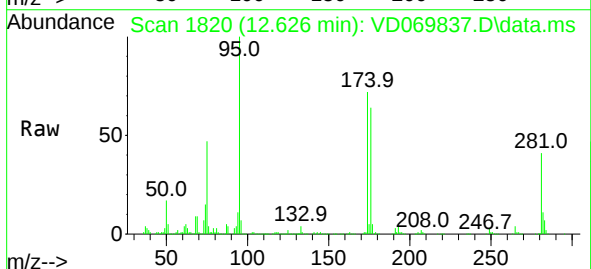
Tgt Ion:152 Resp: 456118
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.3
150 158.3 0.0 343.0

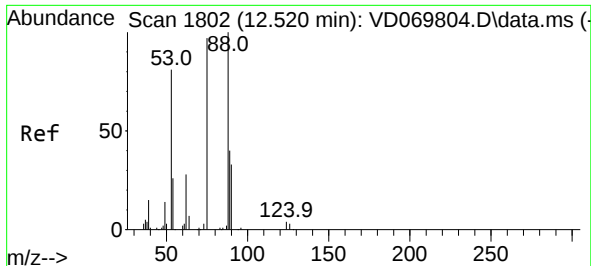


#76

1,2,3-Trichloropropane
Concen: 56.011 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 75 Resp: 271554
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#

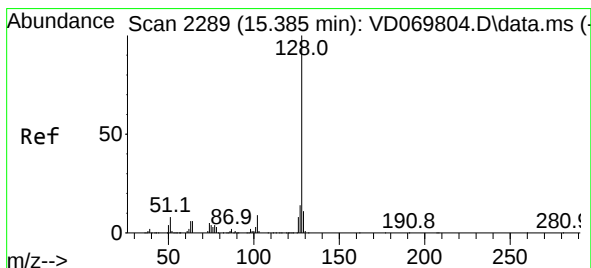
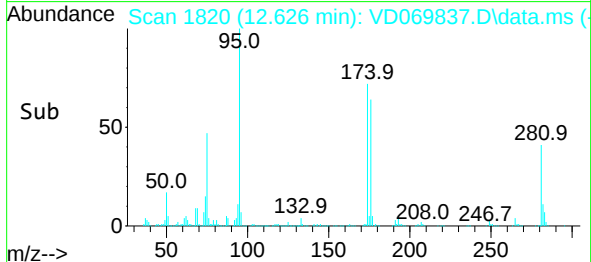
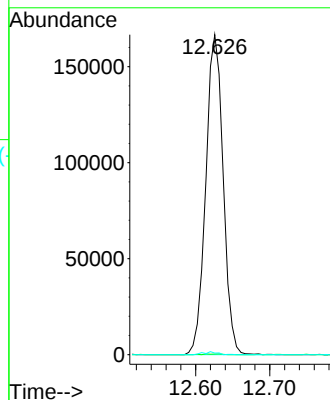
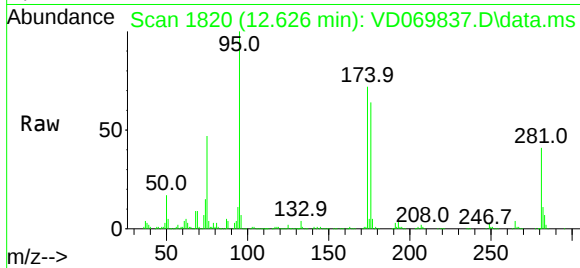




#81
trans-1,4-Dichloro-2-butene
Concen: 169.924 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-GRILLIO-1

Tgt Ion: 75 Resp: 271554
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.7 35.8 53.6#



#95
Naphthalene
Concen: 5.027 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD069837.D
Acq: 23 Jul 2021 19:10

Tgt Ion: 128 Resp: 477
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

