

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070781.D
 Acq On : 20 Oct 2021 17:46
 Operator : VA/SY
 Sample : M4287-01RE
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EXC-SOIL-A

Quant Time: Oct 21 05:40:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

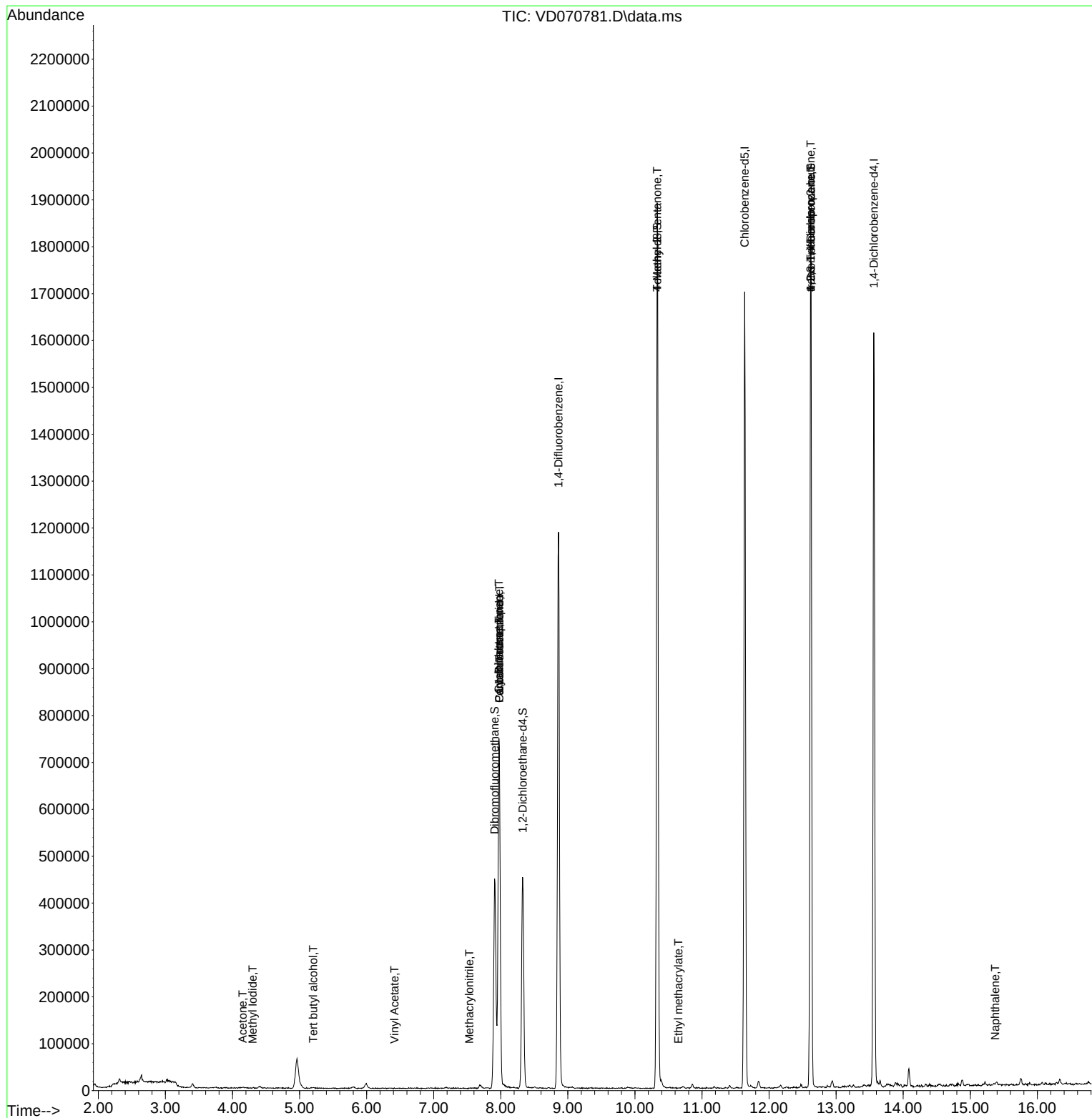
Internal Standards						
1) Pentafluorobenzene	7.979	168	525300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	977252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	926401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	396364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	356775	57.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.680%	
35) Dibromofluoromethane	7.908	113	318358	50.877	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.760%	
50) Toluene-d8	10.332	98	1251342	52.168	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.340%	
62) 4-Bromofluorobenzene	12.626	95	443851	53.739	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.480%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	552	3.398	ug/l #	80
11) Tert butyl alcohol	5.203	59	1380	3.962	ug/l #	95
16) Acetone	4.150	43	4620	3.079	ug/l #	77
20) Methylene Chloride	4.956	84	44597	Below Cal		93
23) Vinyl Acetate	6.414	43	105	16.338	ug/l #	69
31) Cyclohexane	7.973	56	13587	1.079	ug/l #	24
36) 1,1-Dichloropropene	7.973	75	48672	4.471	ug/l #	51
38) Carbon Tetrachloride	7.979	117	55750	5.347	ug/l #	15
41) Methacrylonitrile	7.532	41	66	1.966	ug/l #	1
51) 4-Methyl-2-Pentanone	10.332	43	5606	1.236	ug/l #	1
56) Ethyl methacrylate	10.649	69	123	4.171	ug/l #	78
76) 1,2,3-Trichloropropane	12.620	75	230610	67.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	230610	147.501	ug/l #	18
95) Naphthalene	15.373	128	968	4.861	ug/l #	85

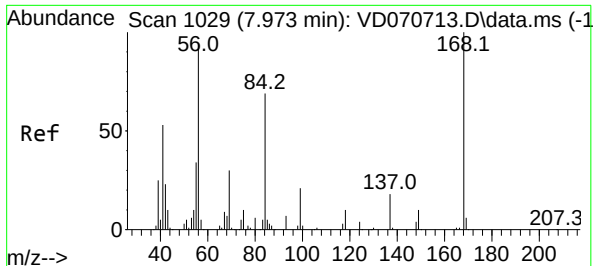
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
Data File : VD070781.D
Acq On : 20 Oct 2021 17:46
Operator : VA/SY
Sample : M4287-01RE
Misc : 6.36G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

Quant Time: Oct 21 05:40:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

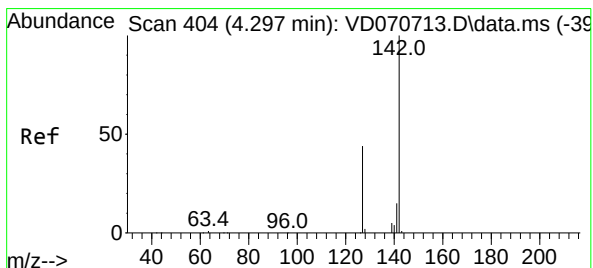
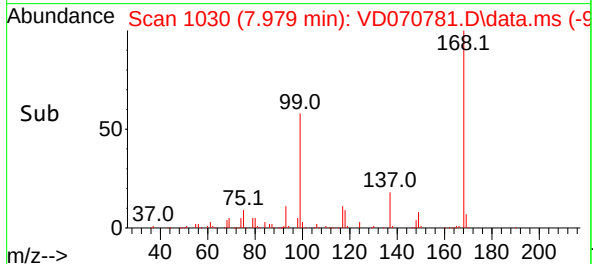
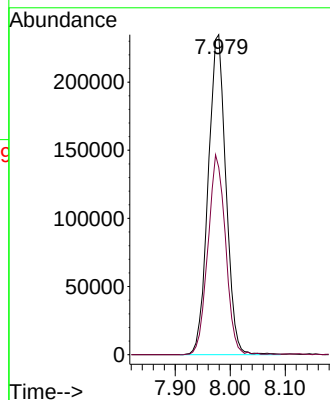
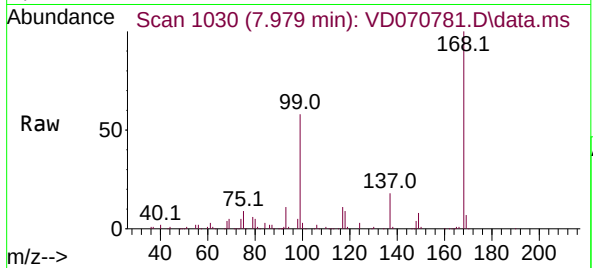




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

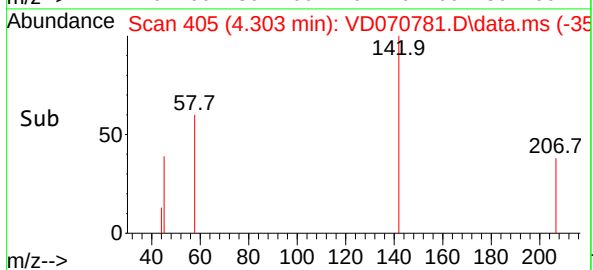
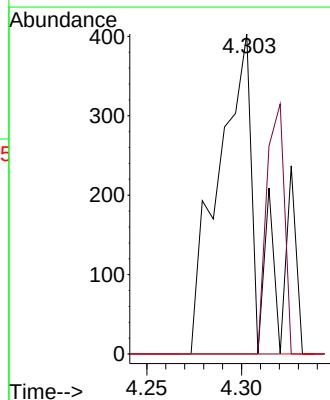
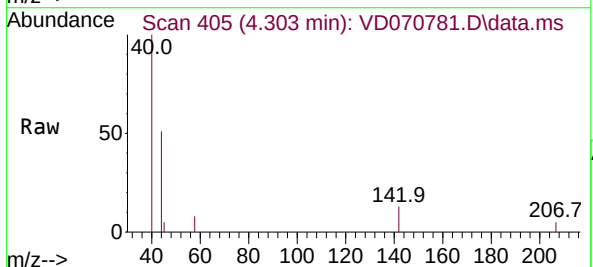
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

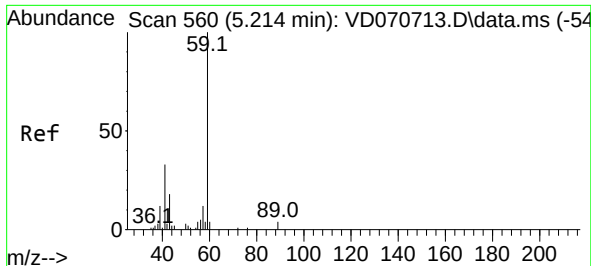
Tgt Ion:168 Resp: 525300
Ion Ratio Lower Upper
168 100
99 58.5 51.4 77.0



#10
Methyl Iodide
Concen: 3.398 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 37.0 37.5 56.3#
141 0.0 12.1 18.1#



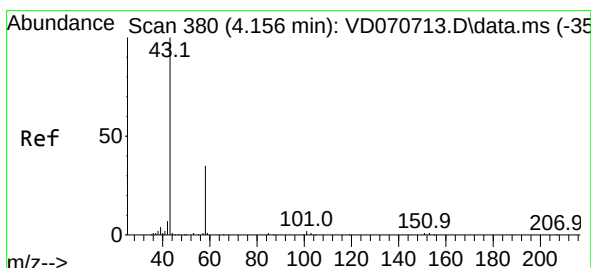
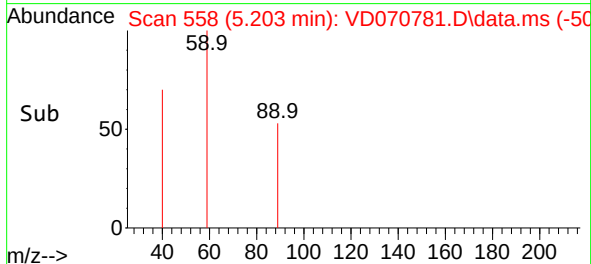
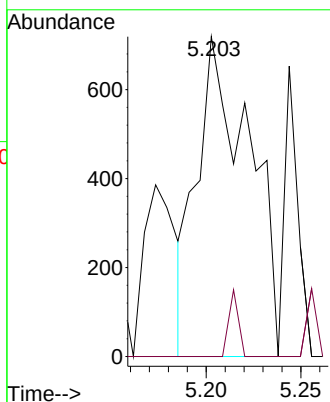
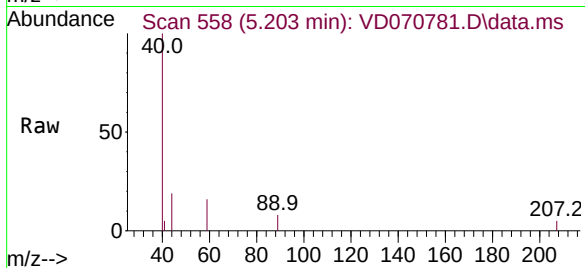


#11

Tert butyl alcohol
Concen: 3.962 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

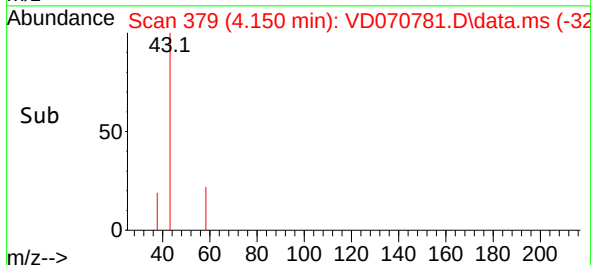
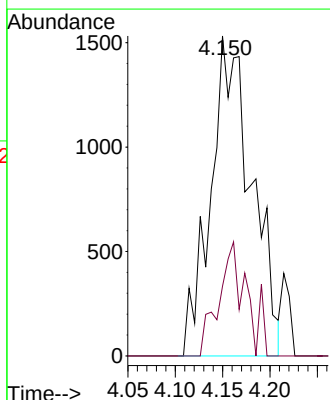
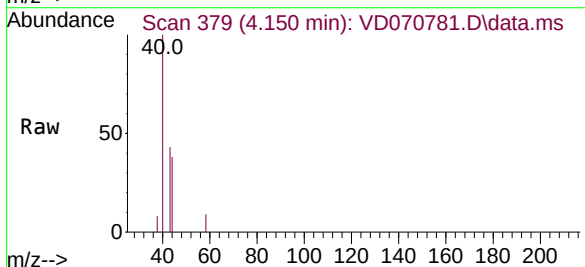
Tgt Ion: 59 Resp: 1380
Ion Ratio Lower Upper
59 100
57 3.8 4.5 6.7#

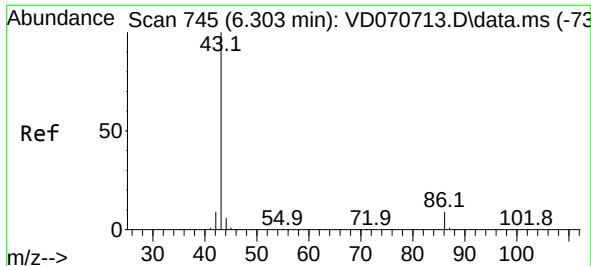


#16

Acetone
Concen: 3.079 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
58 21.8 28.2 42.2#

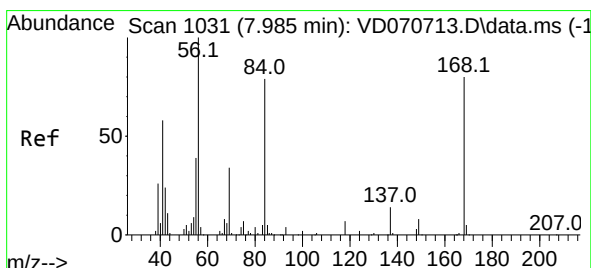
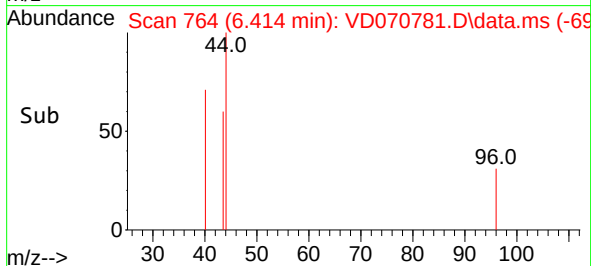
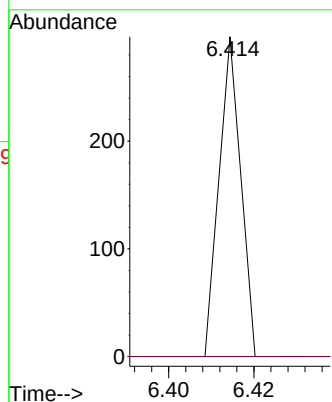
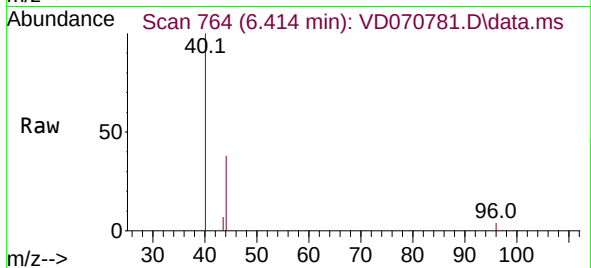




#23
 Vinyl Acetate
 Concen: 16.338 ug/l
 RT: 6.414 min Scan# 764
 Delta R.T. 0.111 min
 Lab File: VD070781.D
 Acq: 20 Oct 2021 17:46

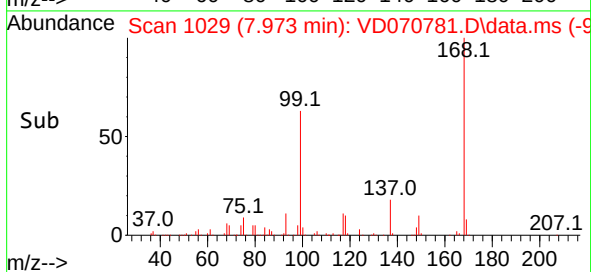
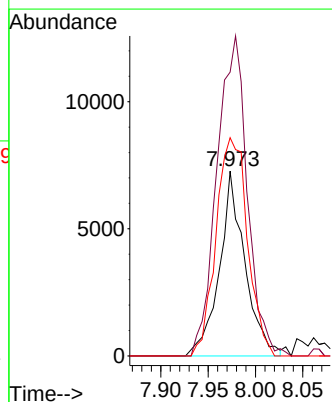
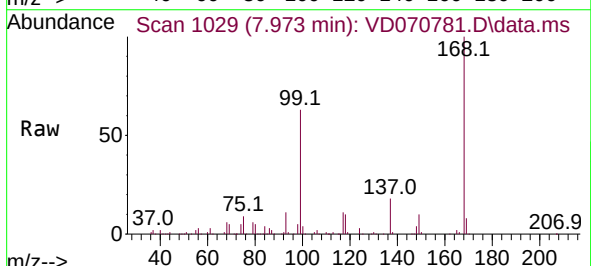
Instrument :
 MSVOA_D
 ClientSampleId :
 EXC-SOIL-A

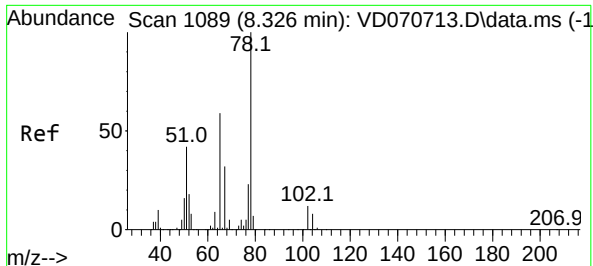
Tgt Ion: 43 Resp: 105
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.079 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070781.D
 Acq: 20 Oct 2021 17:46

Tgt Ion: 56 Resp: 13587
 Ion Ratio Lower Upper
 56 100
 69 153.5 27.4 41.2#
 84 118.0 73.6 110.4#

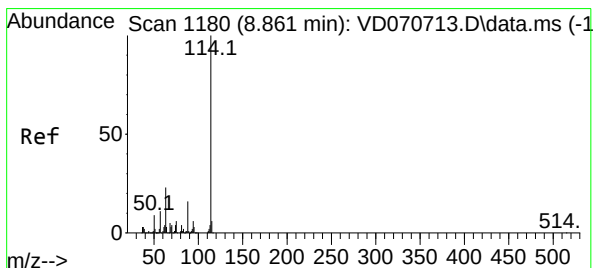
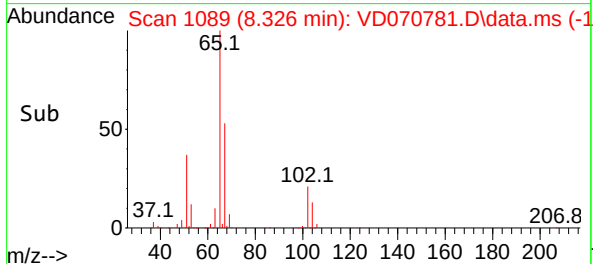
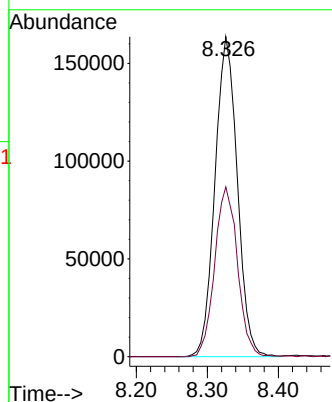
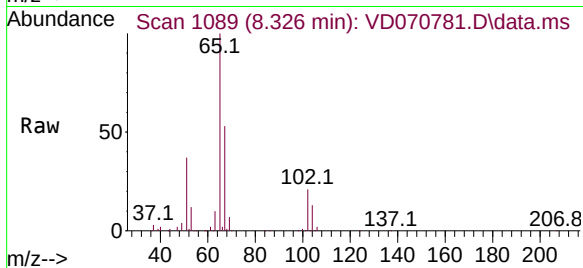




#33
1,2-Dichloroethane-d4
Concen: 57.343 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

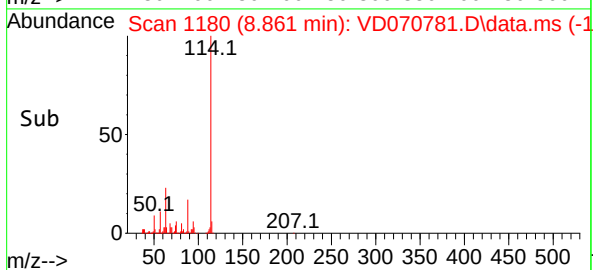
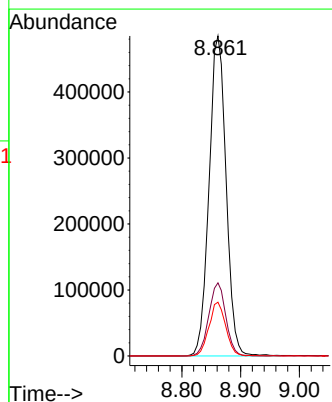
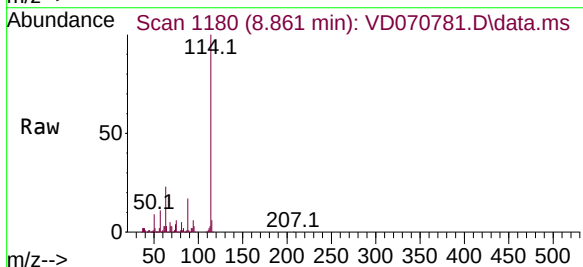
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

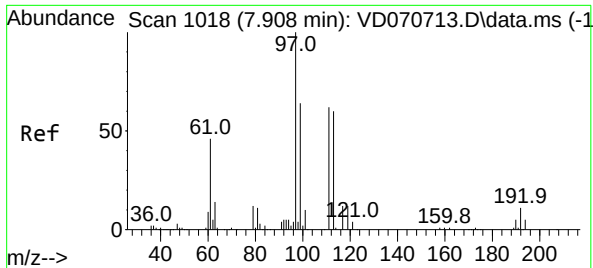
Tgt Ion: 65 Resp: 356775
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 114 Resp: 977252
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 16.8 0.0 32.6

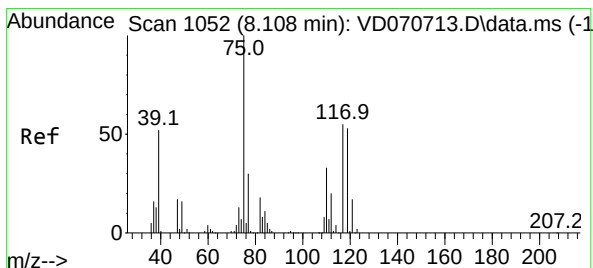
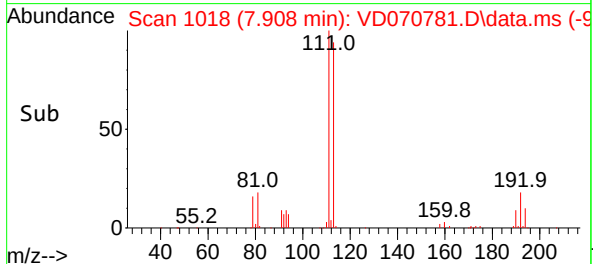
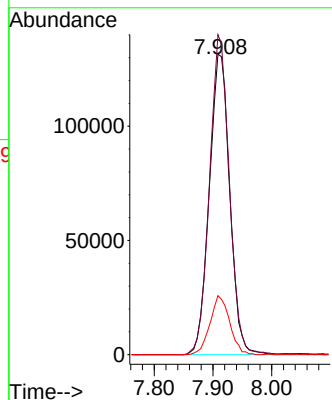
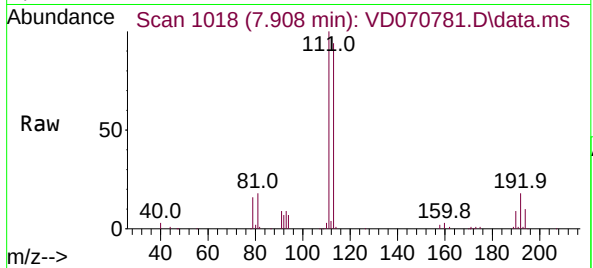




#35
Dibromofluoromethane
Concen: 50.877 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

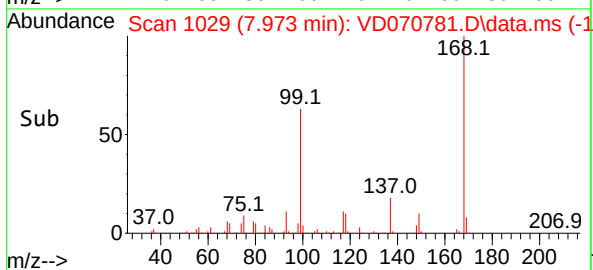
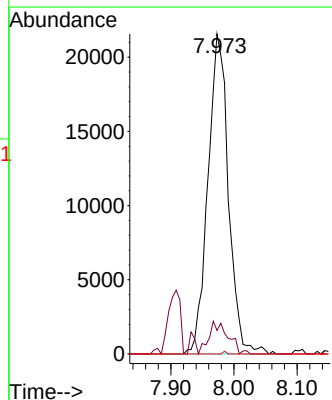
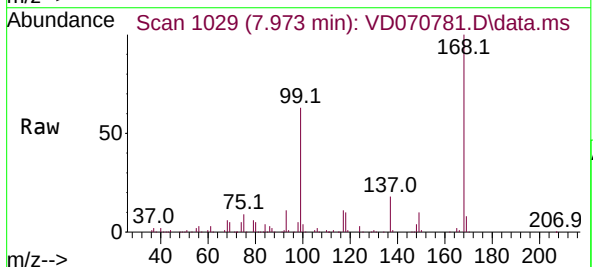
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

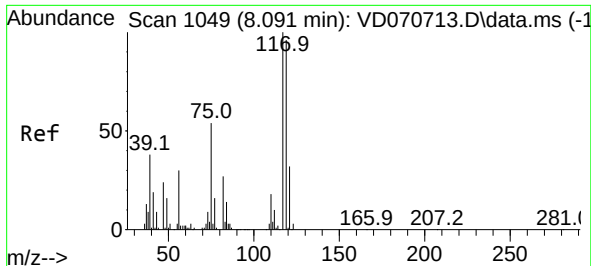
Tgt Ion:113 Resp: 318358
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 18.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 75 Resp: 48672
Ion Ratio Lower Upper
75 100
110 9.6 17.2 51.6#
77 0.1 24.2 36.4#

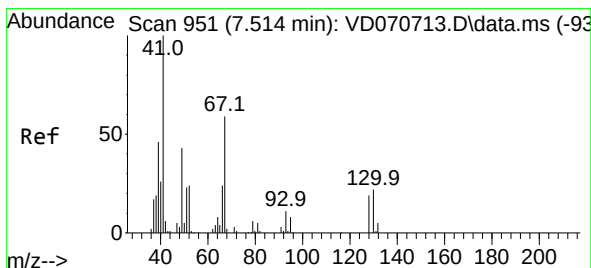
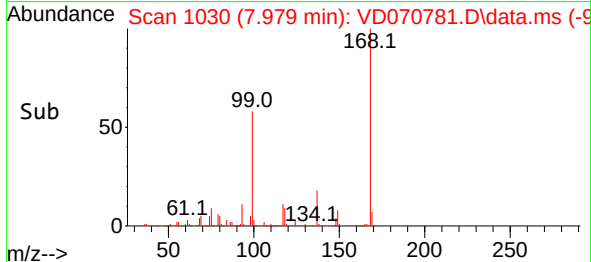
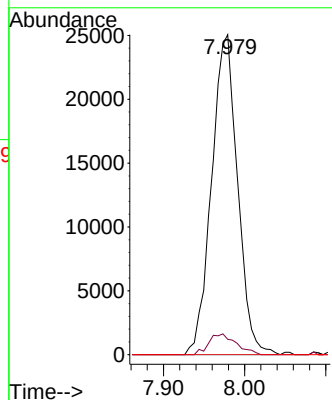
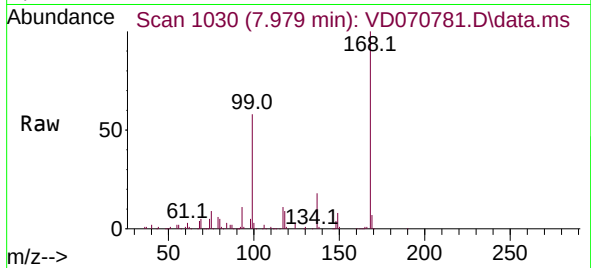




#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

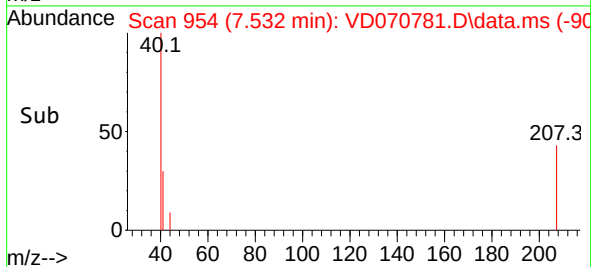
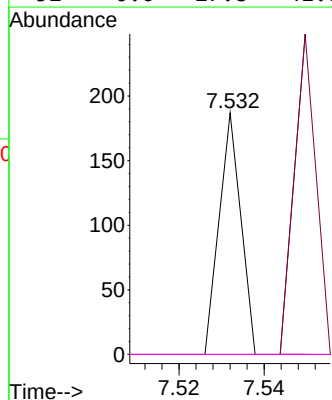
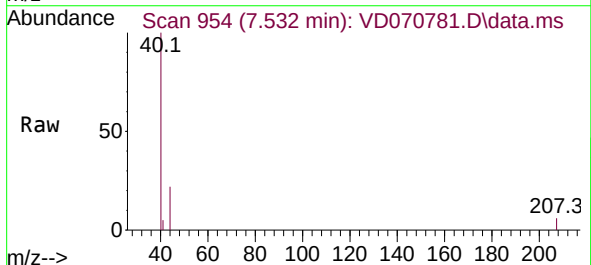
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

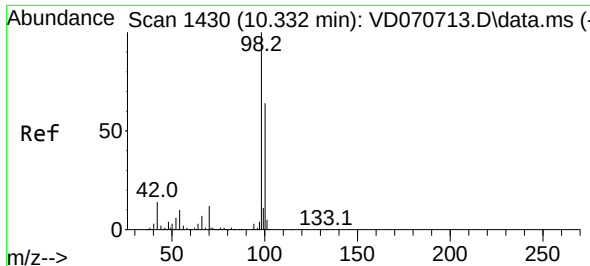
Tgt Ion:117 Resp: 55750
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 1.966 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.018 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 262.1 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

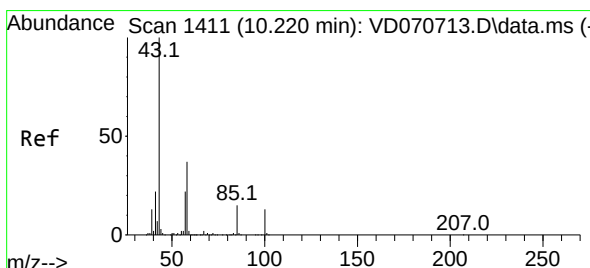
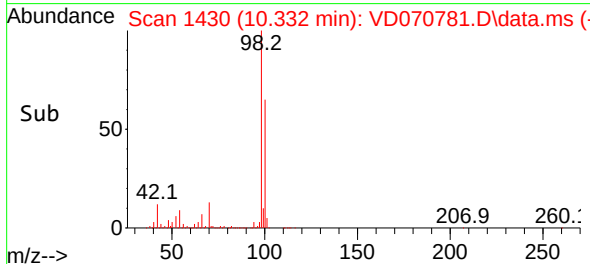
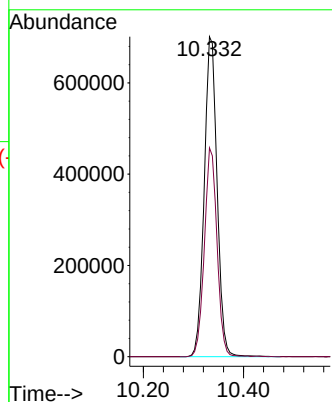
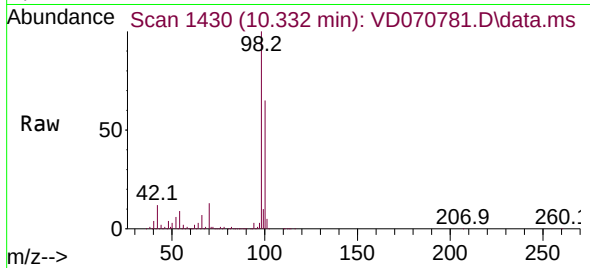




#50
Toluene-d8
Concen: 52.168 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

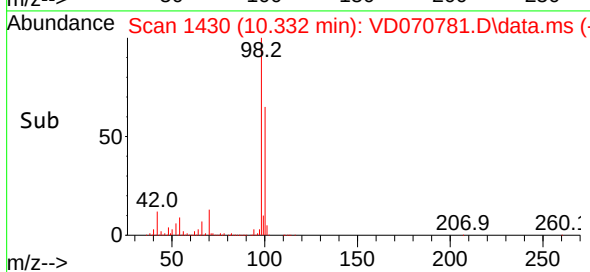
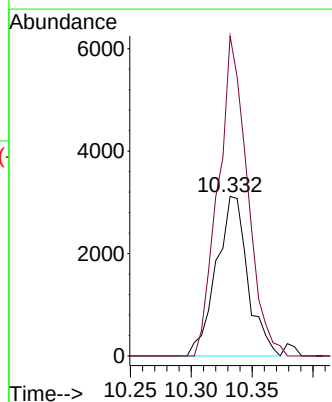
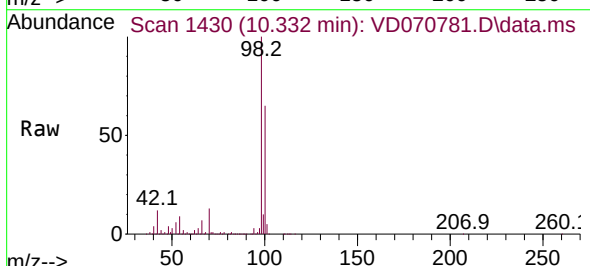
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

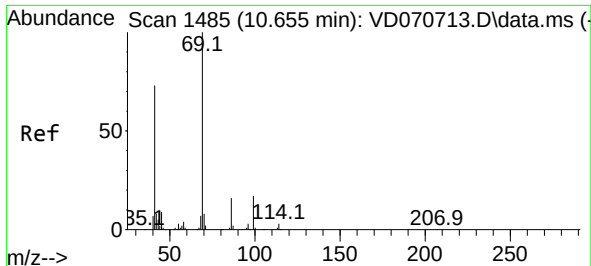
Tgt Ion: 98 Resp: 1251342
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.236 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 43 Resp: 5606
Ion Ratio Lower Upper
43 100
58 186.0 35.0 52.6#

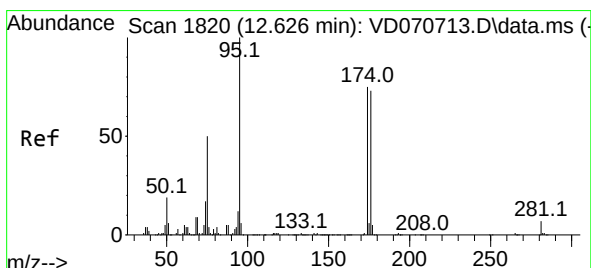
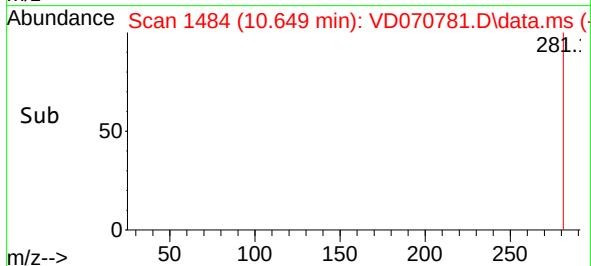
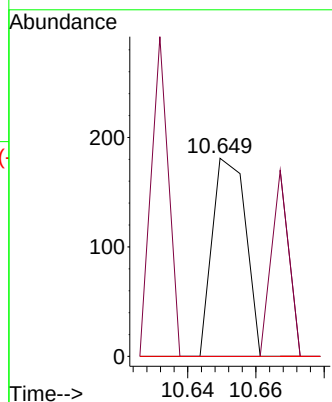
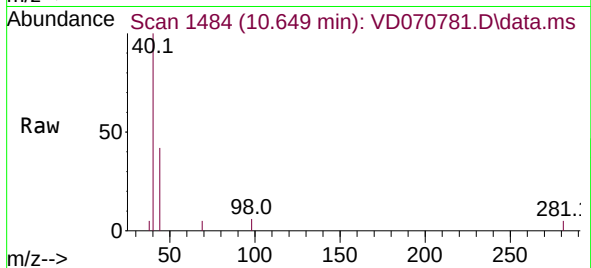




#56
Ethyl methacrylate
Concen: 4.171 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

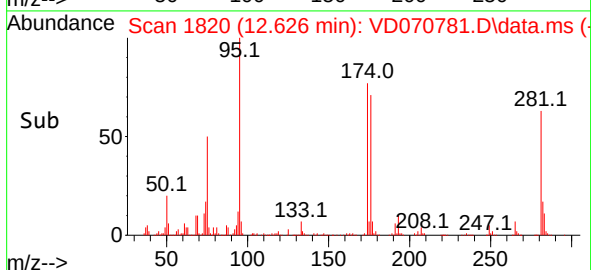
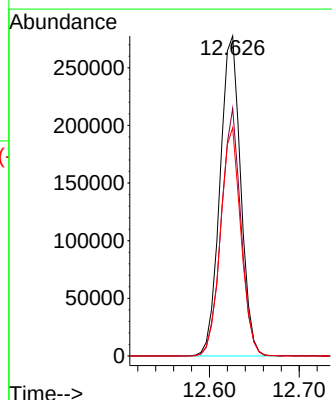
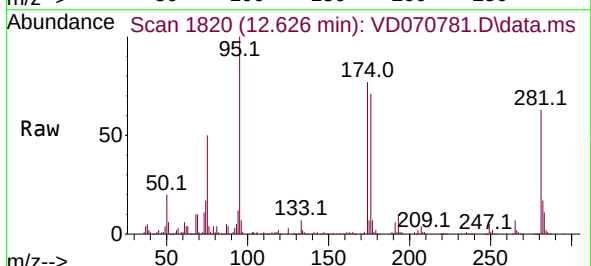
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

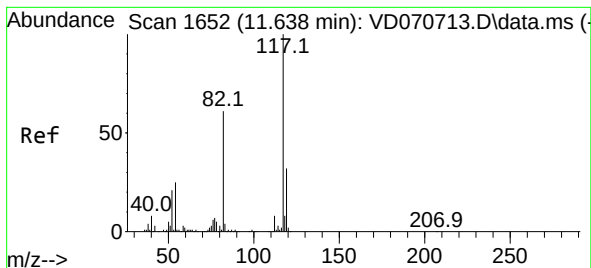
Tgt Ion: 69 Resp: 123
Ion Ratio Lower Upper
69 100
41 48.8 44.7 67.1
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 53.739 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 95 Resp: 443851
Ion Ratio Lower Upper
95 100
174 73.7 0.0 138.0
176 70.4 0.0 135.6

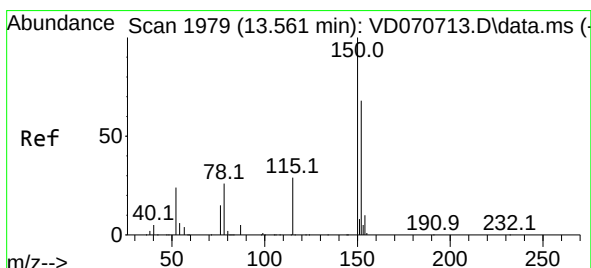
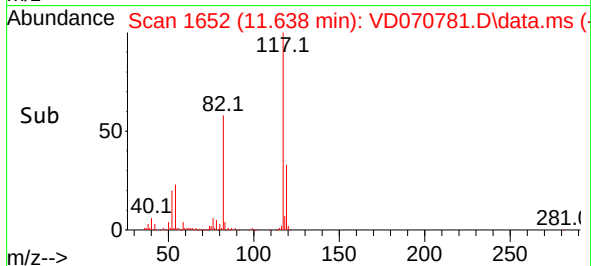
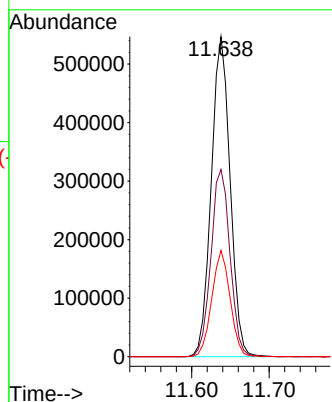
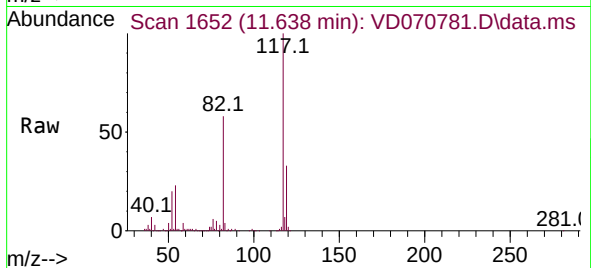




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

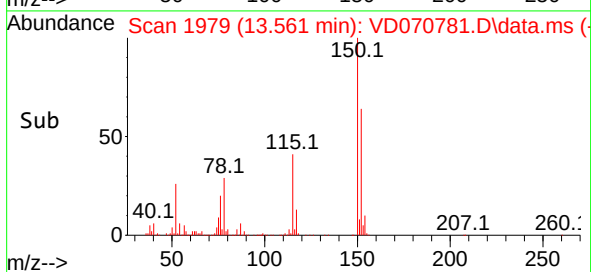
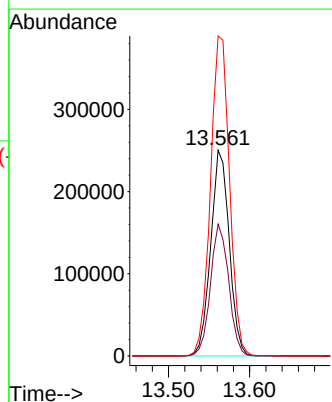
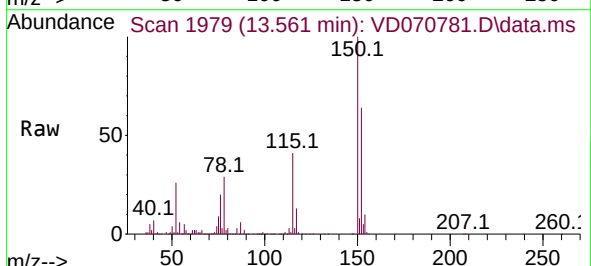
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

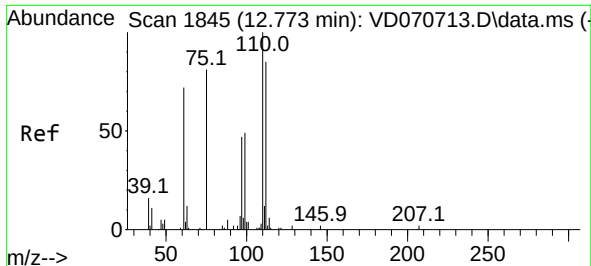
Tgt Ion:117 Resp: 926401
Ion Ratio Lower Upper
117 100
82 58.5 45.4 68.2
119 33.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion:152 Resp: 396364
Ion Ratio Lower Upper
152 100
115 63.2 31.9 95.7
150 159.8 0.0 350.0

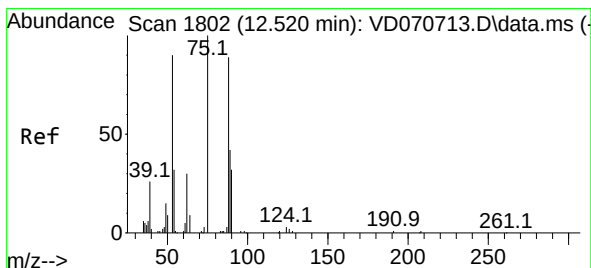
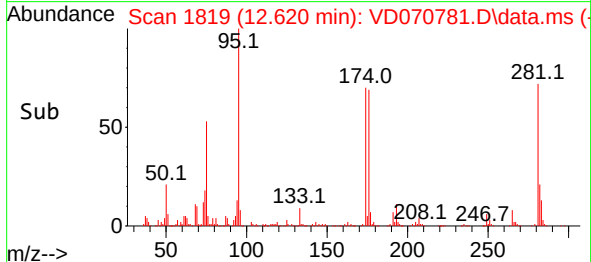
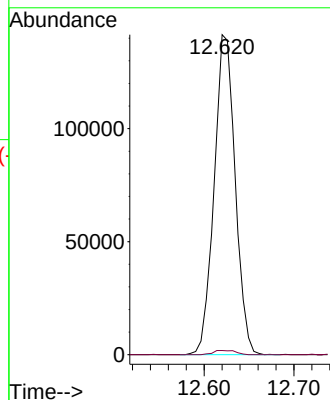
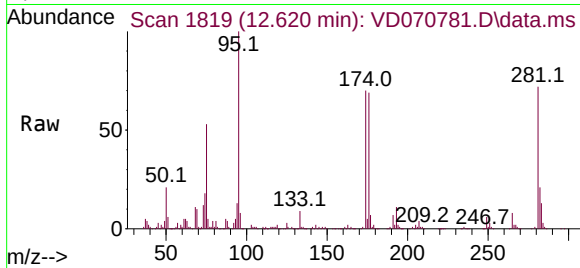




#76
1,2,3-Trichloropropane
Concen: 67.343 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

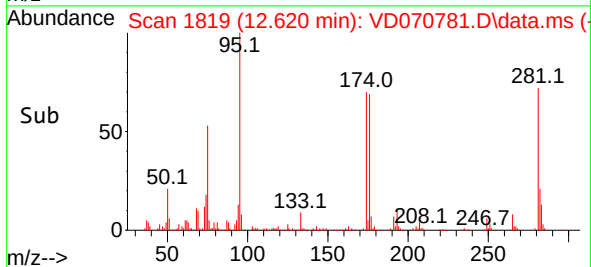
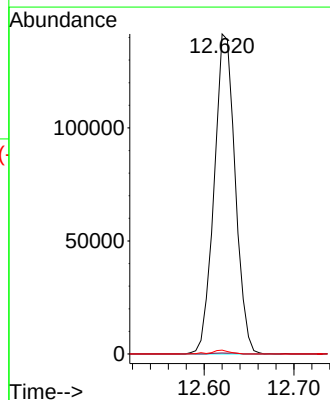
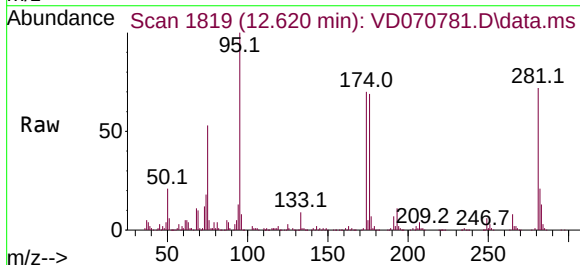
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

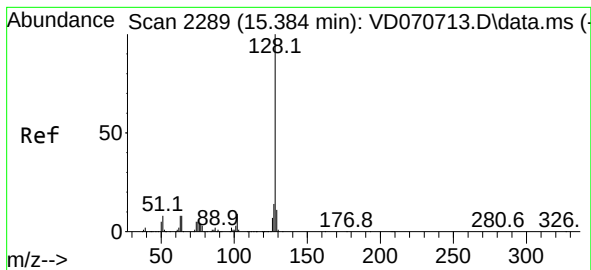
Tgt Ion: 75 Resp: 230610
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.501 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Tgt Ion: 75 Resp: 230610
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 1.0 35.3 52.9#





#95
Naphthalene
Concen: 4.861 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070781.D
Acq: 20 Oct 2021 17:46

Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

Tgt Ion:128 Resp: 968
Ion Ratio Lower Upper
128 100
127 15.1 10.9 16.3
129 0.0 8.6 12.8#

