

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012021\
 Data File : VD068118.D
 Acq On : 20 Jan 2021 17:34
 Operator : VA/SY
 Sample : M1100-03RE
 Misc : 6.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOPSOIL-RBF-DARK

Quant Time: Jan 20 23:47:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	396994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	682541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	561582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	206669	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	194456	51.20	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.40%
35) Dibromofluoromethane	7.920	113	191281	50.69	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.38%
50) Toluene-d8	10.344	98	701129	46.45	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.90%
62) 4-Bromofluorobenzene	12.632	95	220552	40.58	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.16%

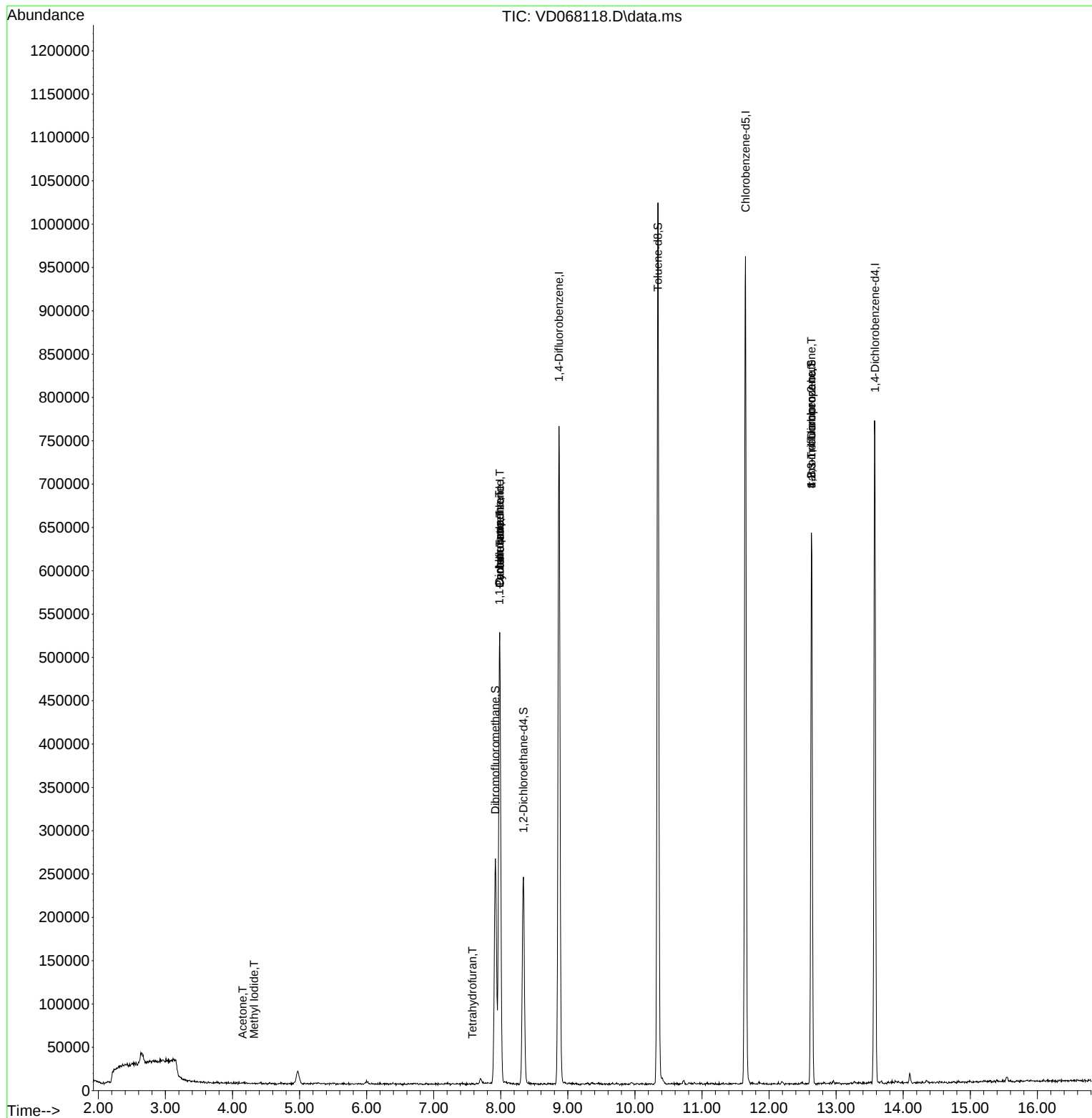
Target Compounds						Qvalue
10) Methyl Iodide	4.320	142	148	3.19	ug/l #	38
11) Tert butyl alcohol	5.197	59	208	Below	Cal #	1
16) Acetone	4.150	43	2275	3.35	ug/l	93
20) Methylene Chloride	4.973	84	12247	Below	Cal #	85
29) Tetrahydrofuran	7.579	42	994	1.50	ug/l #	36
31) Cyclohexane	7.985	56	9287	1.13	ug/l #	11
36) 1,1-Dichloropropene	7.979	75	31610	4.59	ug/l #	48
38) Carbon Tetrachloride	7.985	117	39297	6.10	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	111903	56.00	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	111903	113.32	ug/l #	13

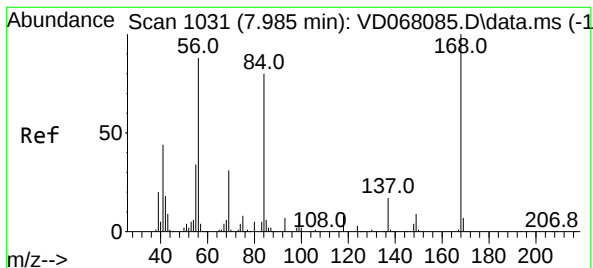
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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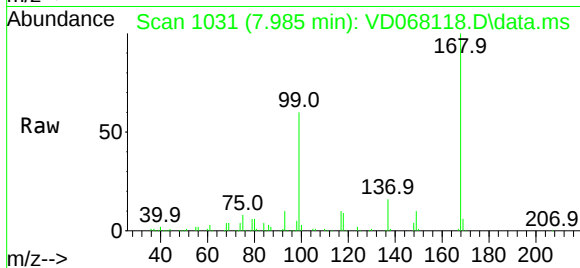
Quant Time: Jan 20 23:47:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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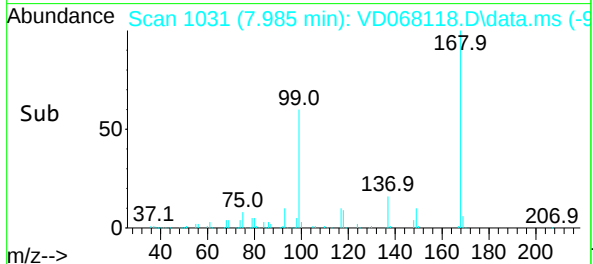
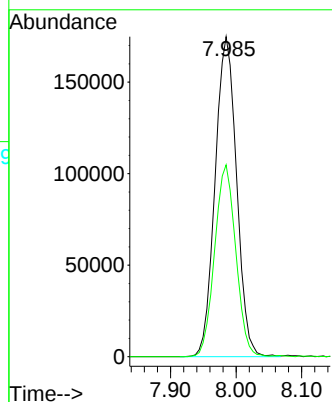


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL-RBF-DARK

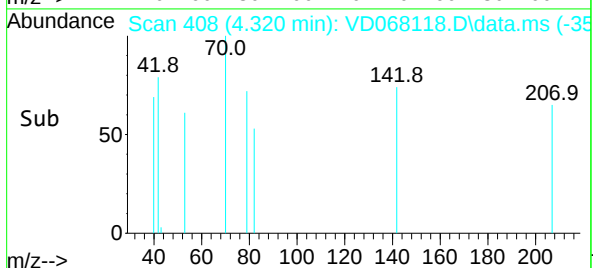
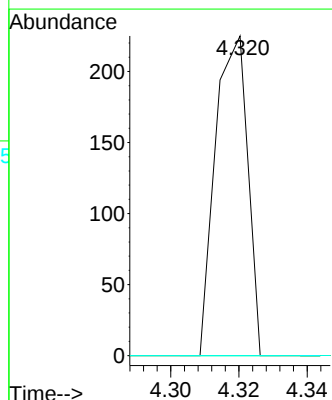
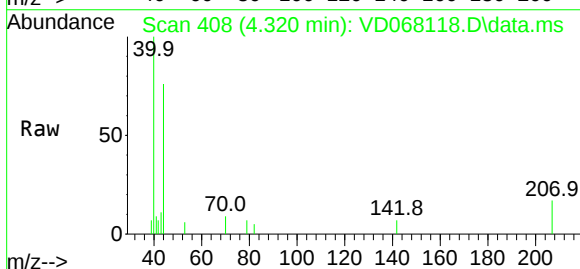


Tgt Ion:168 Resp: 396994
Ion Ratio Lower Upper
168 100
99 59.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.19 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

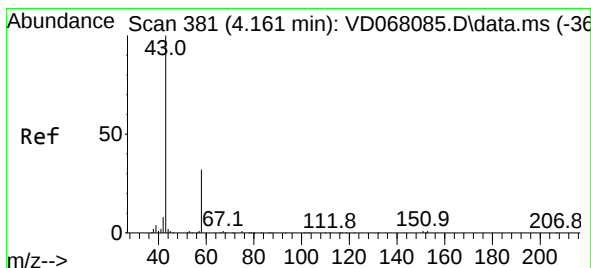
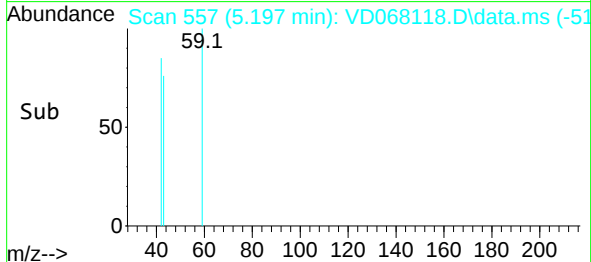
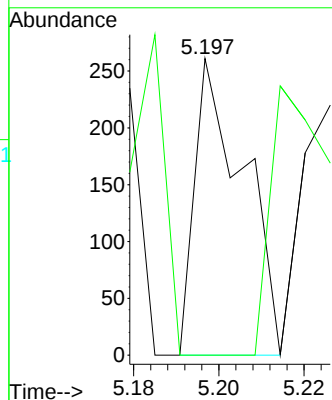
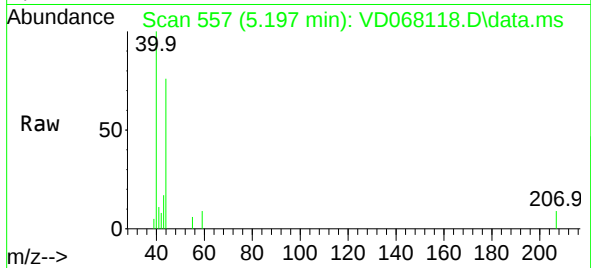




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

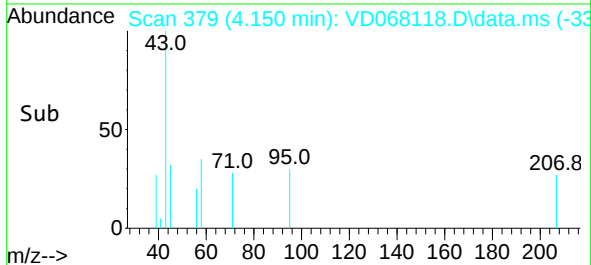
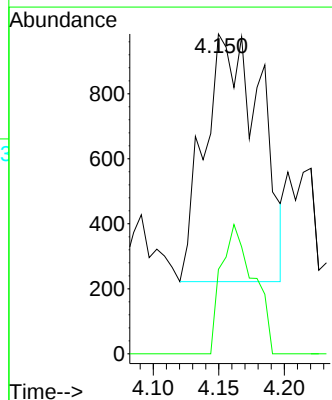
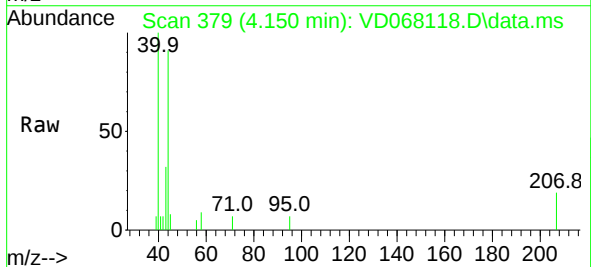
Instrument :
MSVOA_D
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TOPSOIL-RBF-DARK

Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 103.8 7.4 11.2#



#16
Acetone
Concen: 3.35 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
58 34.1 24.2 36.4

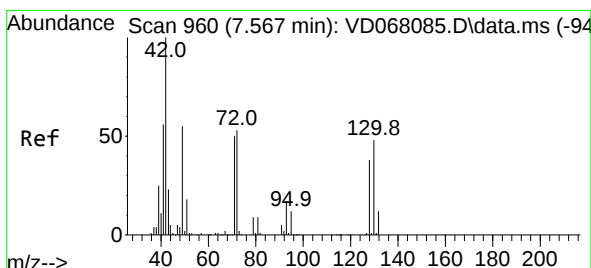
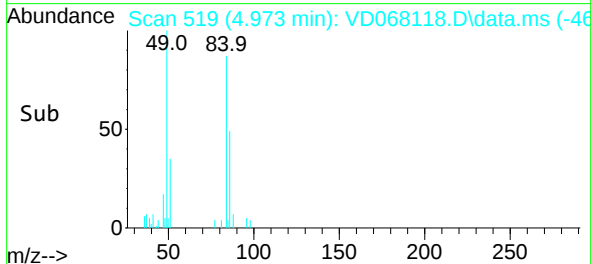
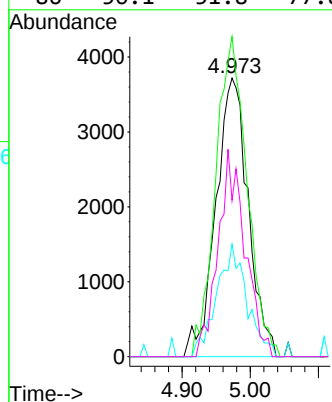
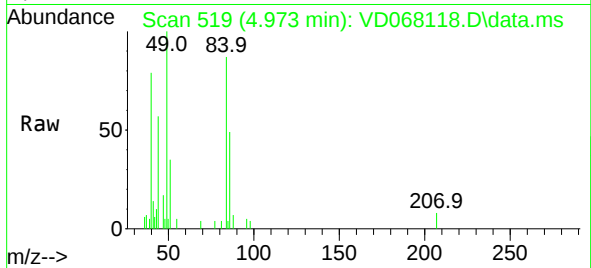




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

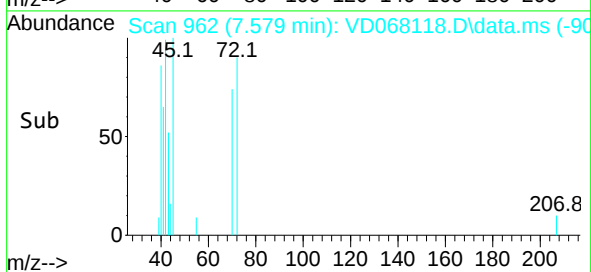
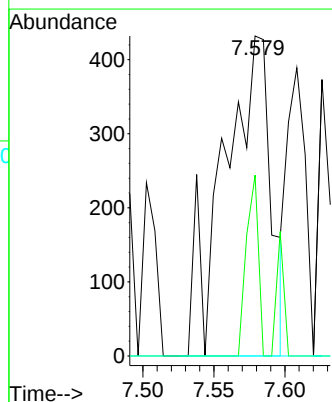
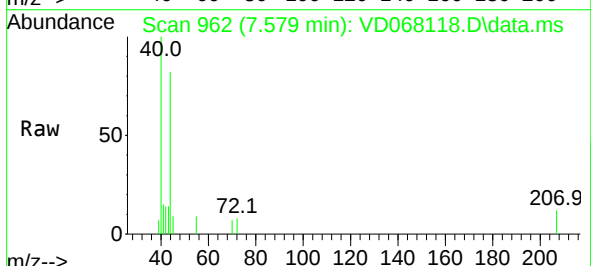
Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL-RBF-DARK

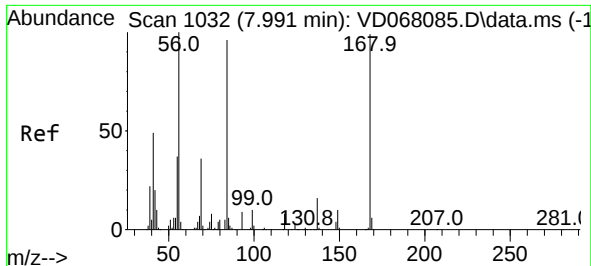
Tgt Ion:	84	Resp:	12247
Ion	Ratio	Lower	Upper
84	100		
49	114.9	77.4	116.2
51	40.4	26.1	39.1#
86	56.1	51.8	77.8



#29
Tetrahydrofuran
Concen: 1.50 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.012 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion:	42	Resp:	994
Ion	Ratio	Lower	Upper
42	100		
72	14.5	43.4	65.0#
71	0.0	40.8	61.2#

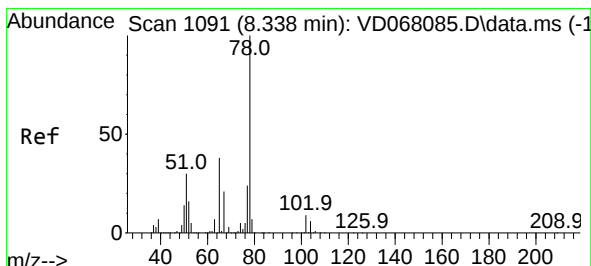
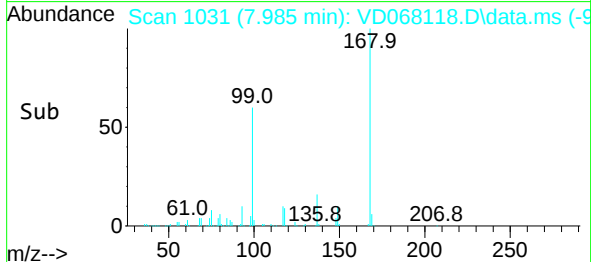
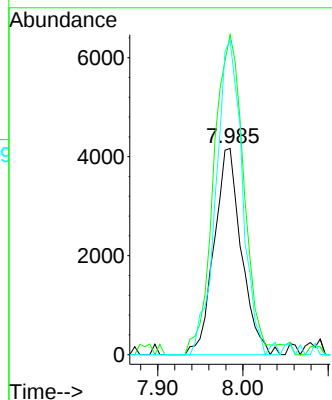
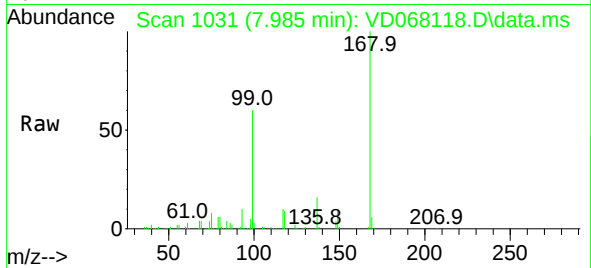




#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

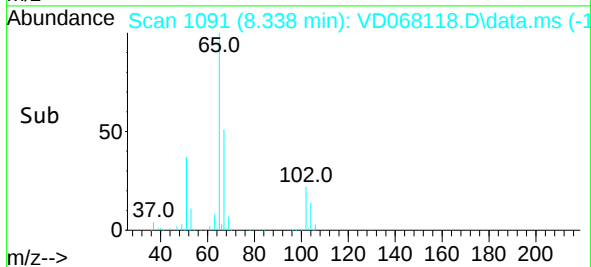
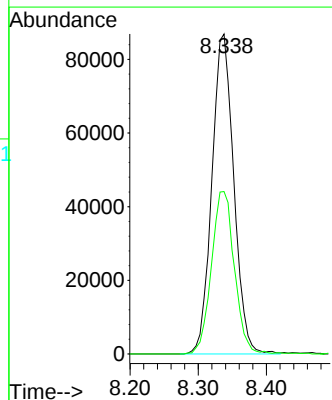
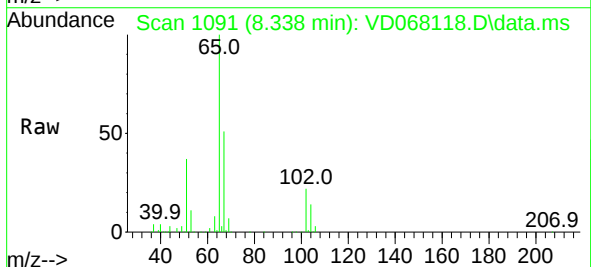
Instrument :
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ClientSampleId :
TOPSOIL-RBF-DARK

Tgt Ion: 56 Resp: 9287
Ion Ratio Lower Upper
56 100
69 155.1 30.1 45.1#
84 152.6 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 51.20 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion: 65 Resp: 194456
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0

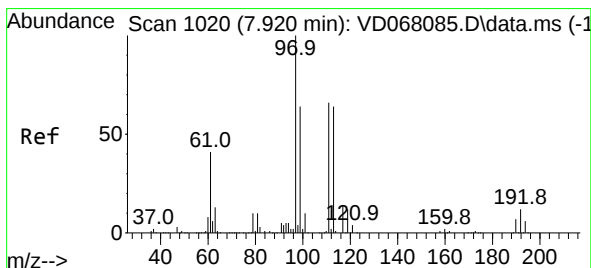
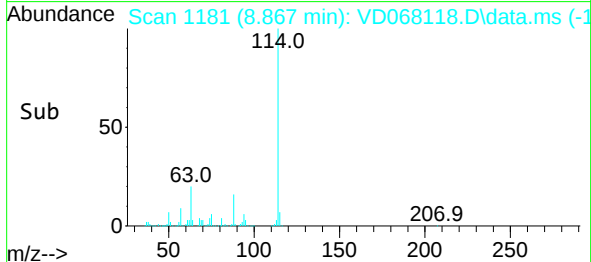
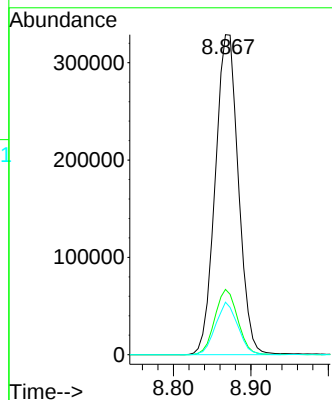
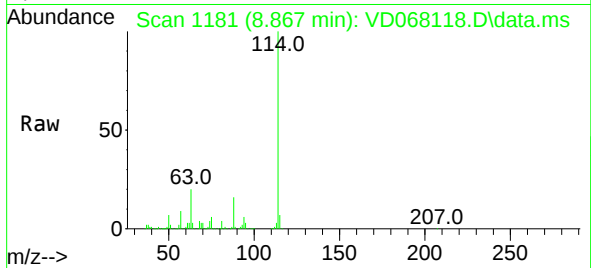




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

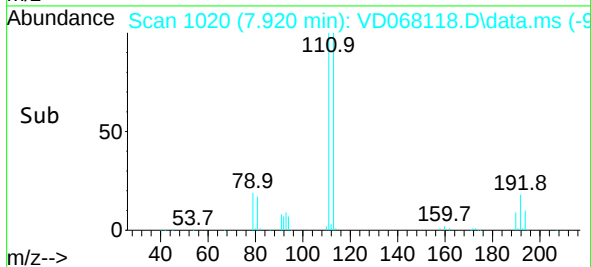
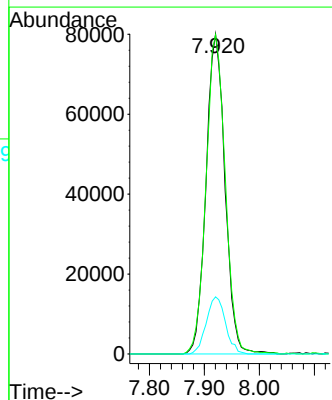
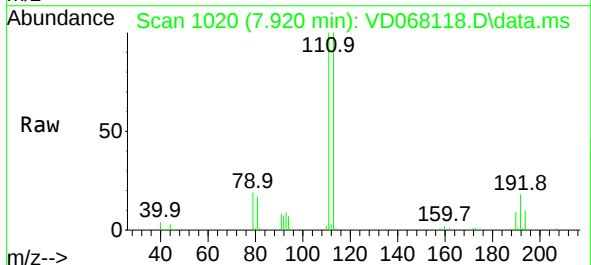
Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL-RBF-DARK

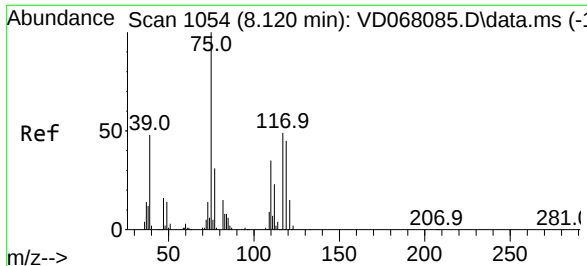
Tgt Ion:	114	Resp:	682541
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	34.8
88	16.4	0.0	31.6



#35
Dibromofluoromethane
Concen: 50.69 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion:	113	Resp:	191281
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.4	122.0
192	18.1	16.1	24.1

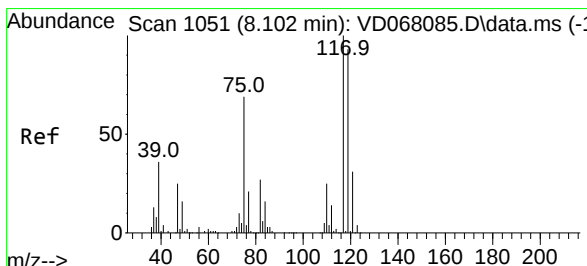
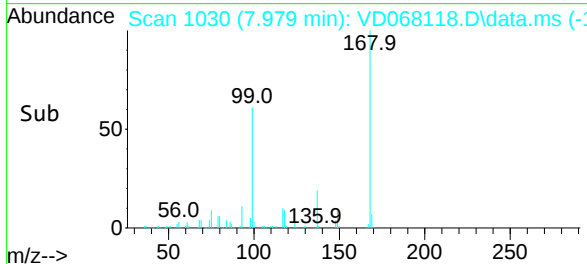
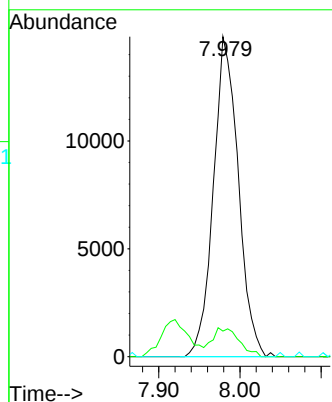
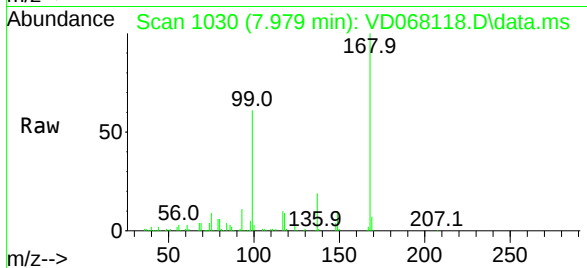




#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

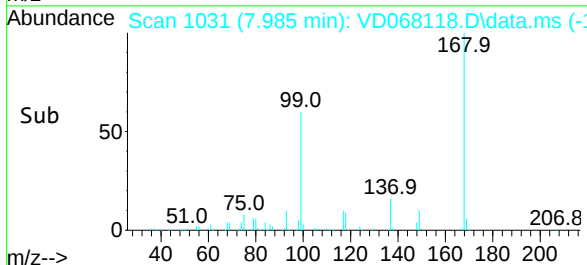
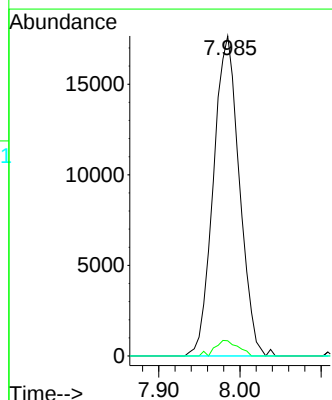
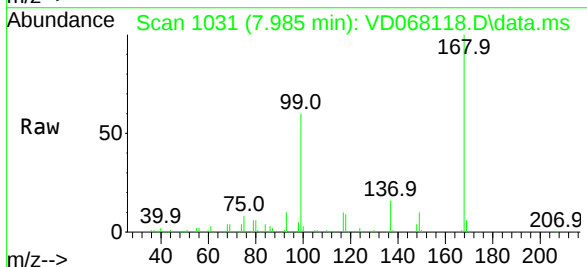
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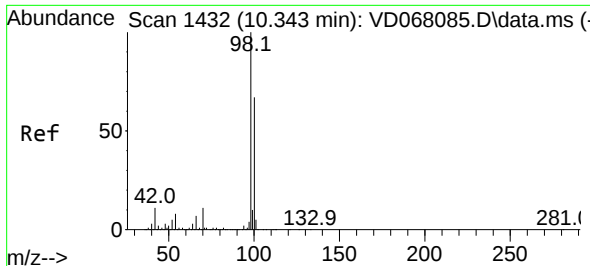
Tgt Ion: 75 Resp: 31610
Ion Ratio Lower Upper
75 100
110 9.6 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion: 117 Resp: 39297
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.7 37.1#

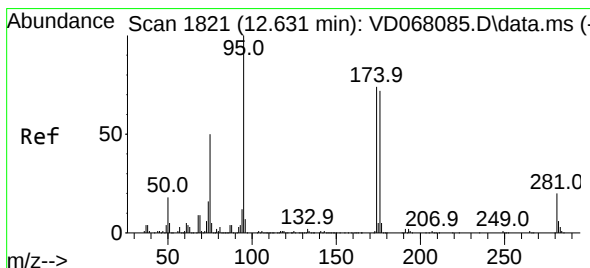
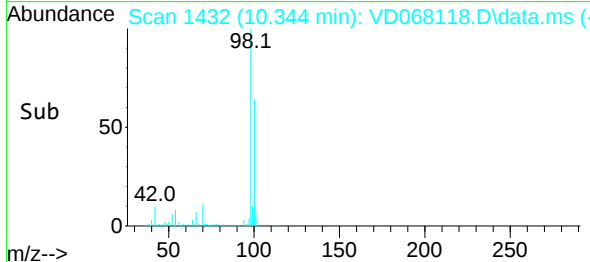
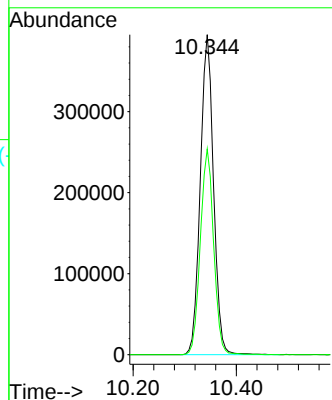
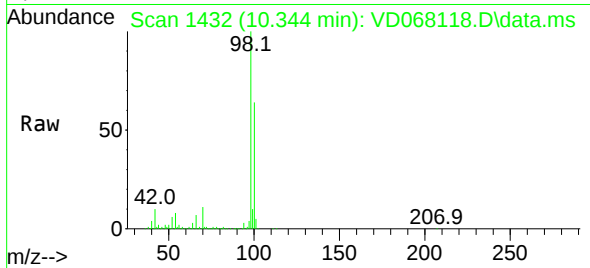




#50
Toluene-d8
Concen: 46.45 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

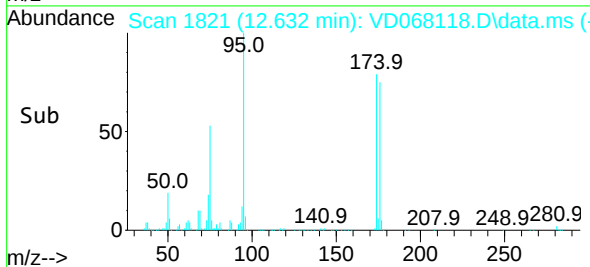
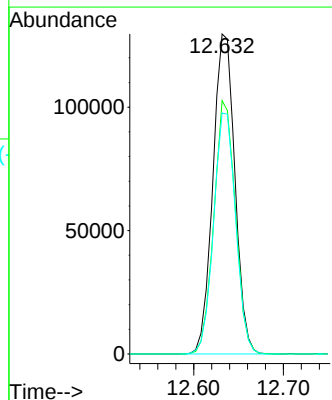
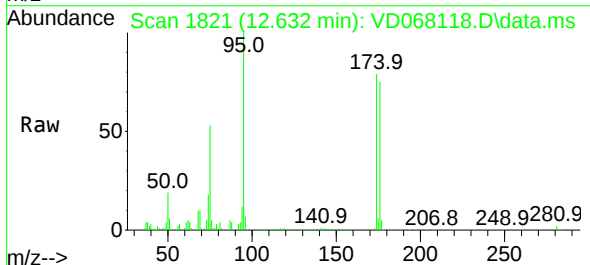
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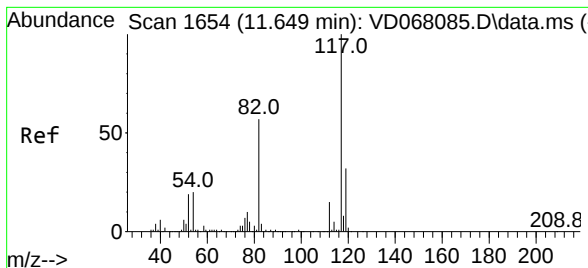
Tgt Ion: 98 Resp: 701129
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.58 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion: 95 Resp: 220552
Ion Ratio Lower Upper
95 100
174 77.4 0.0 172.4
176 75.4 0.0 168.4

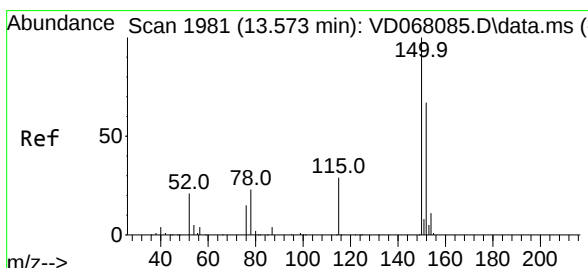
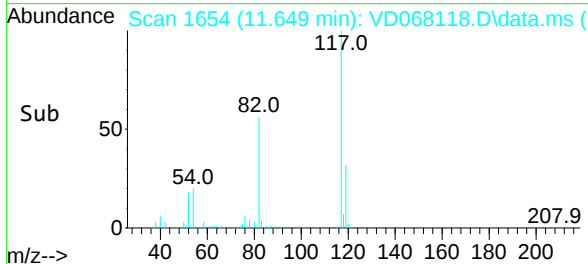
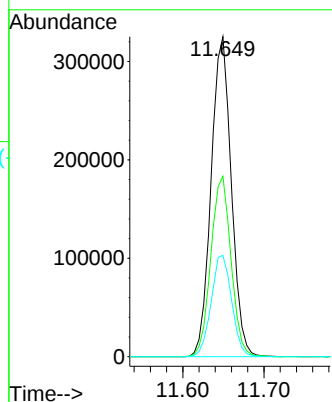
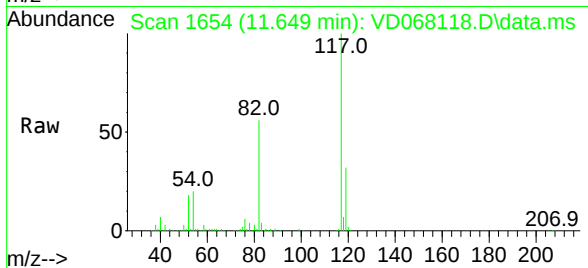




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

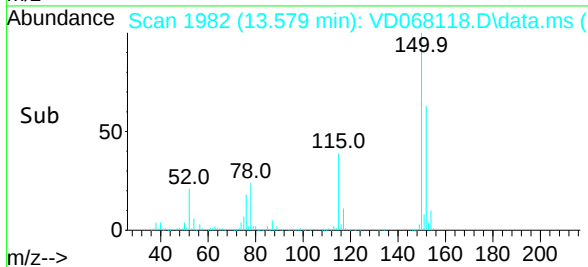
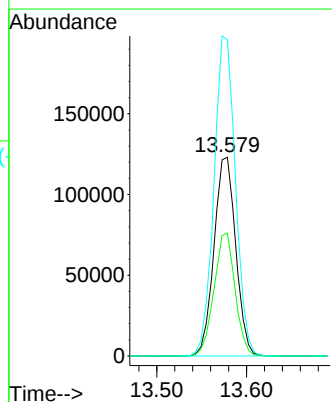
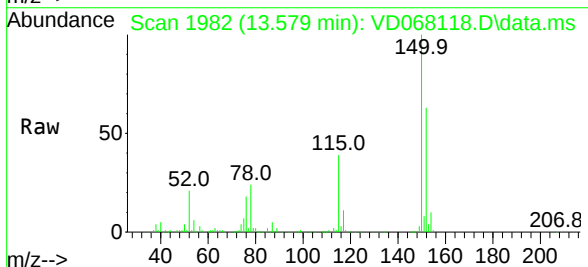
Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL-RBF-DARK

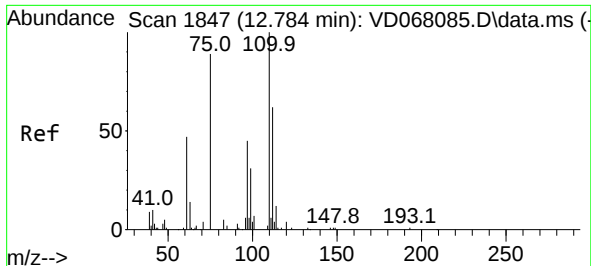
Tgt Ion:	117	Resp:	561582
Ion Ratio	Lower	Upper	
117	100		
82	56.4	41.4	62.0
119	31.7	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion:	152	Resp:	206669
Ion Ratio	Lower	Upper	
152	100		
115	60.0	28.9	86.8
150	158.8	0.0	344.4

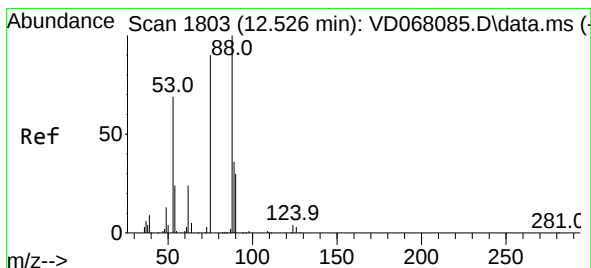
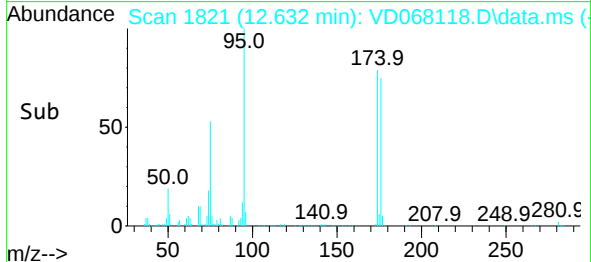
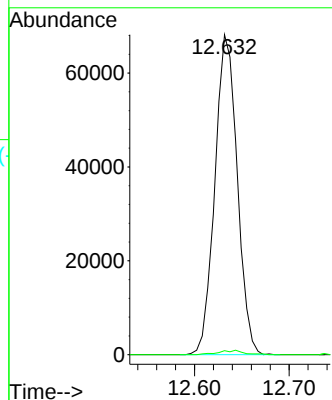
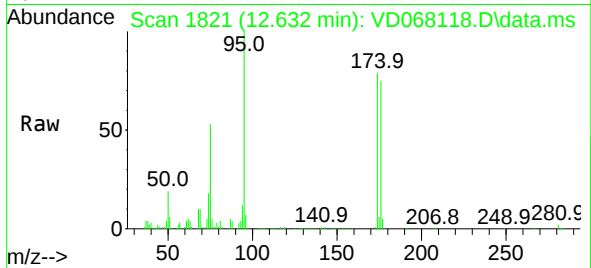




#76
1,2,3-Trichloropropane
Concen: 56.00 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL-RBF-DARK

Tgt Ion: 75 Resp: 111903
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.32 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068118.D
Acq: 20 Jan 2021 17:34

Tgt Ion: 75 Resp: 111903
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.0 40.3 60.5#

