

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068492.D
 Acq On : 02 Mar 2021 13:21
 Operator : VA/SY
 Sample : M1532-02
 Misc : 6.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-SAMPLE-S-2

Quant Time: Mar 02 23:57:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

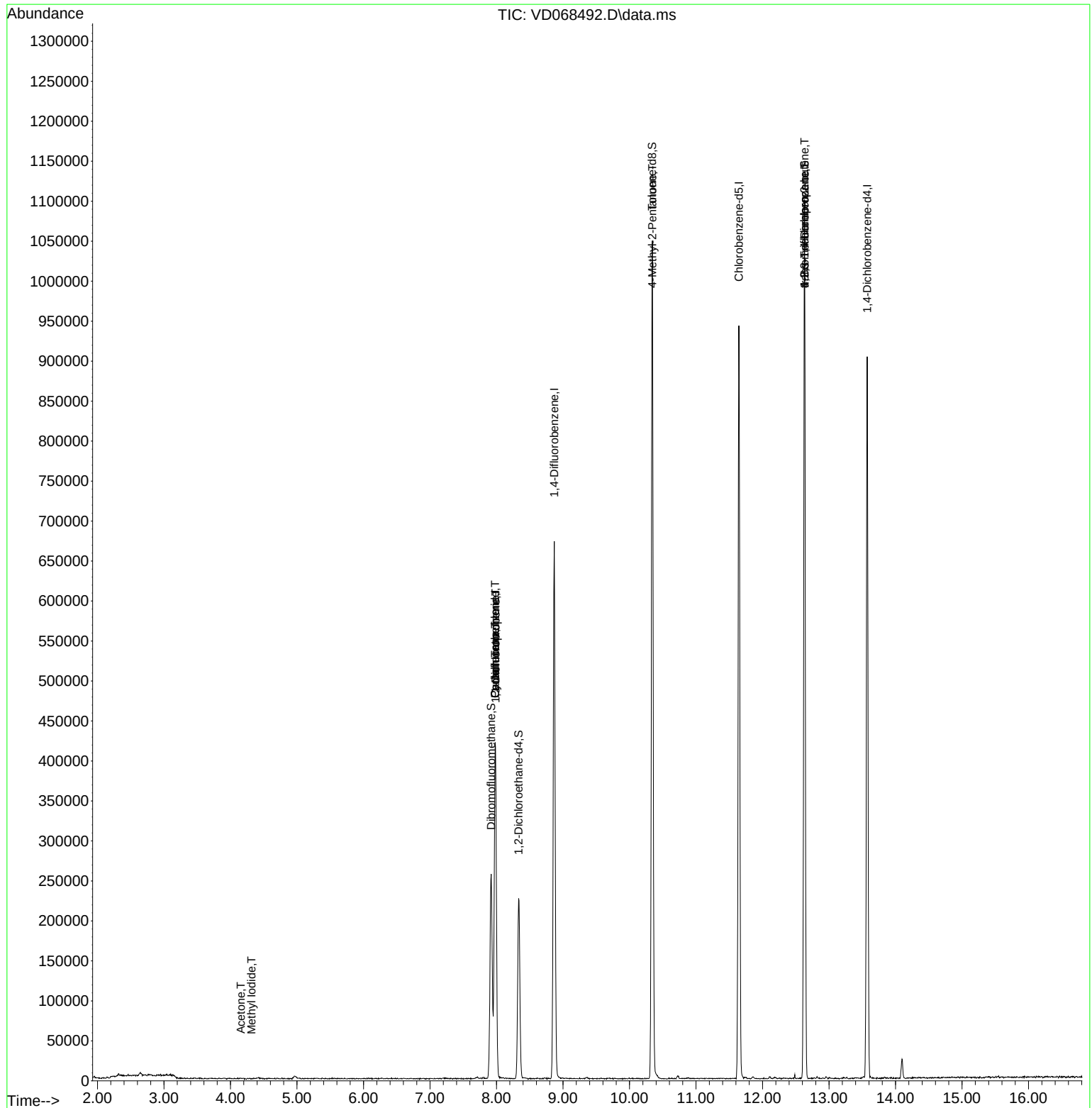
Internal Standards						
1) Pentafluorobenzene	7.979	168	333350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	598598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	569404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	247234	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	181396	54.46	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 108.92%		
35) Dibromofluoromethane	7.920	113	184840	51.26	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.52%		
50) Toluene-d8	10.338	98	753016	52.43	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 104.86%		
62) 4-Bromofluorobenzene	12.632	95	242743	52.44	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 104.88%		
Target Compounds						
10) Methyl Iodide	4.315	142	199	2.66	ug/l #	38
16) Acetone	4.156	43	811	1.53	ug/l #	44
20) Methylene Chloride	4.962	84	2558	Below Cal	#	84
31) Cyclohexane	7.979	56	6691	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	25222	4.43	ug/l #	46
38) Carbon Tetrachloride	7.979	117	32716	6.12	ug/l #	16
51) 4-Methyl-2-Pentanone	10.344	43	2348	1.29	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	124495	56.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	124495	132.37	ug/l #	14

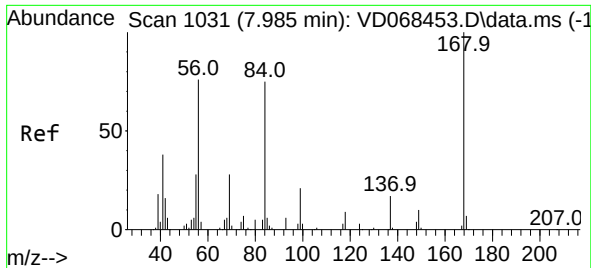
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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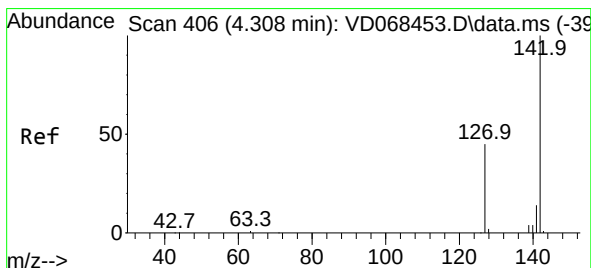
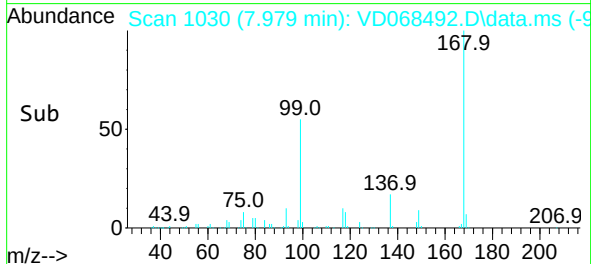
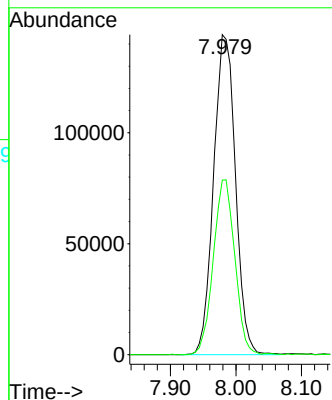
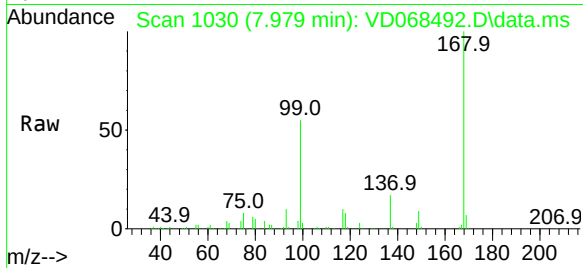




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

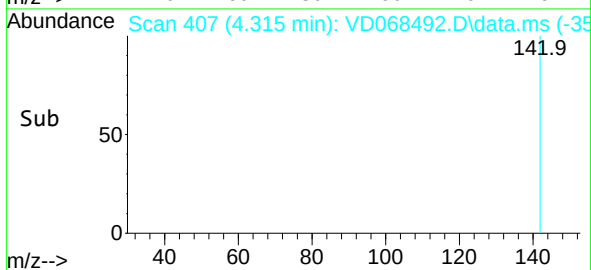
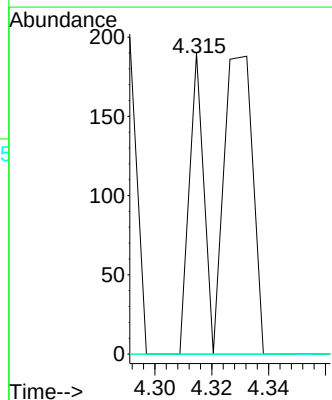
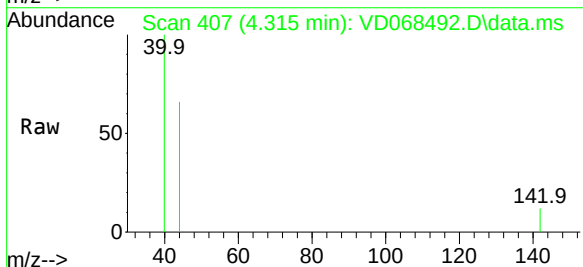
Instrument :
MSVOA_D
ClientSampleId :
SOIL-SAMPLE-S-2

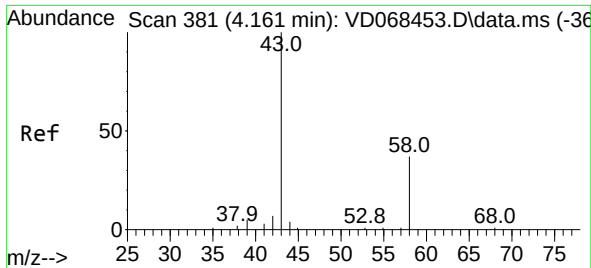
Tgt Ion:168 Resp: 333350
Ion Ratio Lower Upper
168 100
99 54.6 43.5 65.3



#10
Methyl Iodide
Concen: 2.66 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

Tgt Ion:142 Resp: 199
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

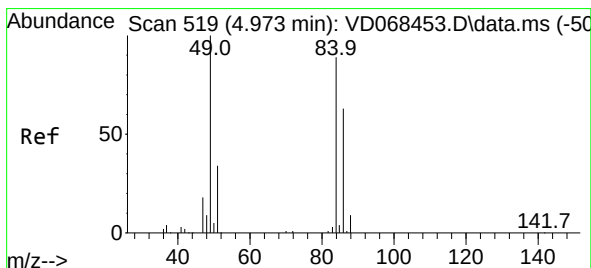
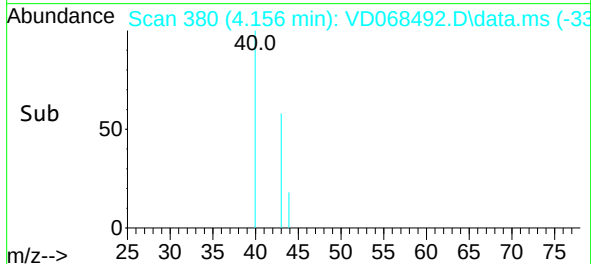
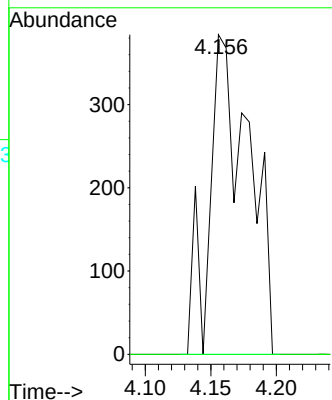
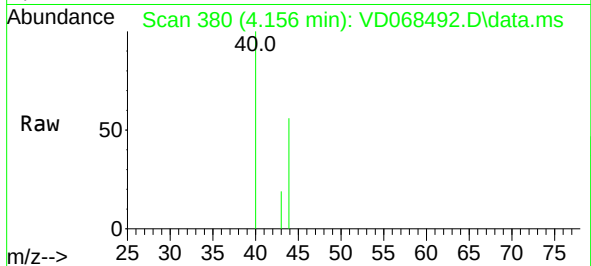




#16
Acetone
Concen: 1.53 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

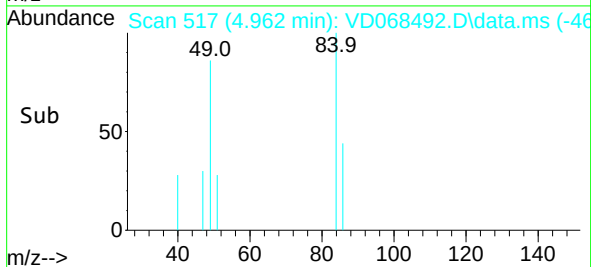
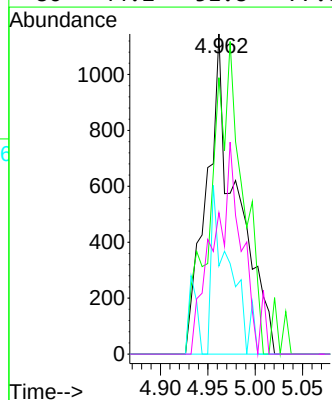
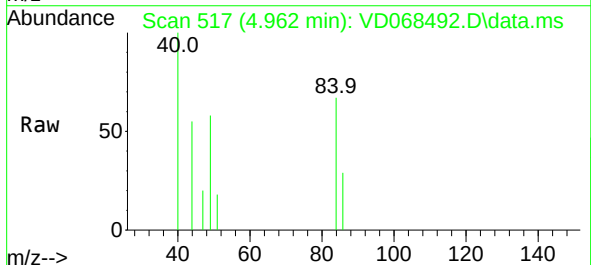
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SOIL-SAMPLE-S-2

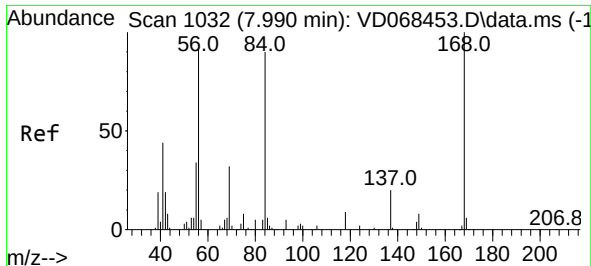
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

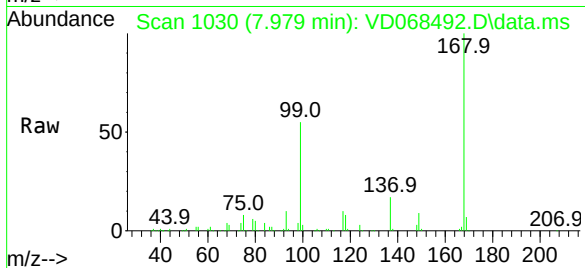
Tgt Ion: 84 Resp: 2558
Ion Ratio Lower Upper
84 100
49 86.4 77.4 116.2
51 27.5 26.1 39.1
86 44.2 51.8 77.8#



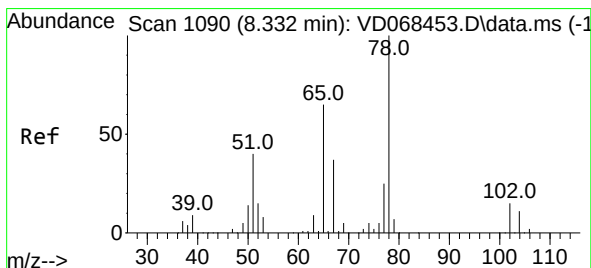
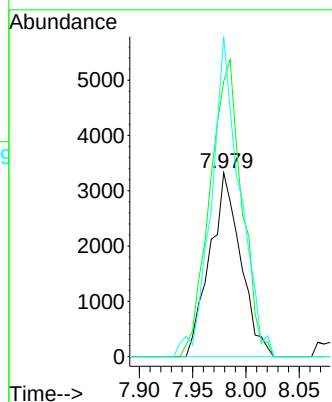
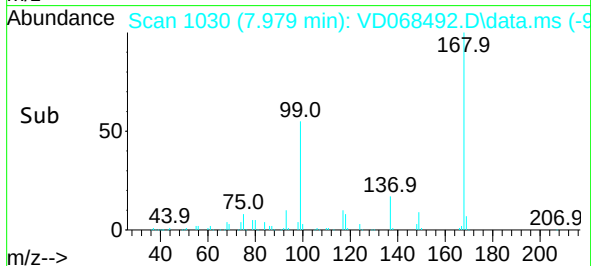


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

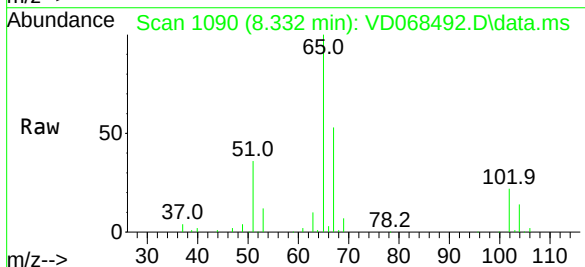
Instrument :
MSVOA_D
ClientSampleId :
SOIL-SAMPLE-S-2



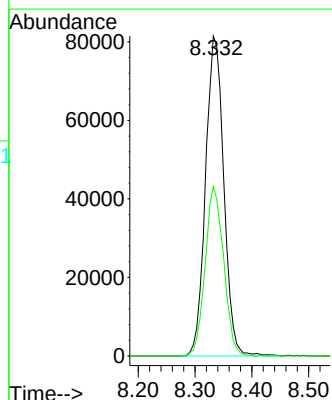
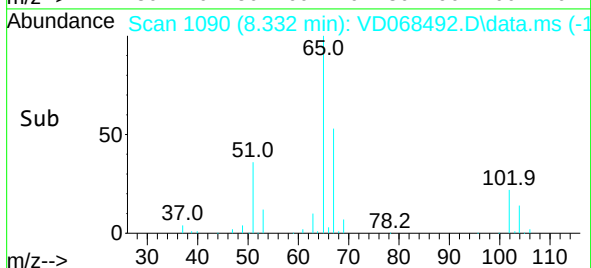
Tgt Ion: 56 Resp: 6691
Ion Ratio Lower Upper
56 100
69 149.7 30.1 45.1#
84 174.1 82.1 123.1#

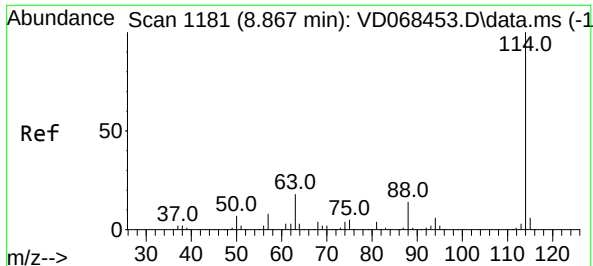


#33
1,2-Dichloroethane-d4
Concen: 54.46 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.001 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21



Tgt Ion: 65 Resp: 181396
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0

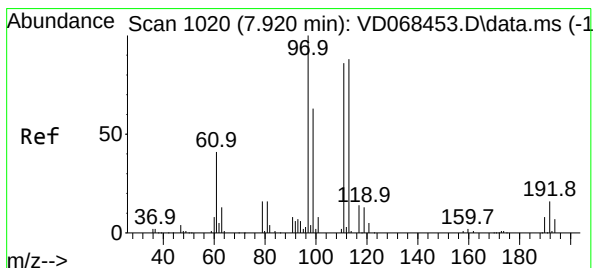
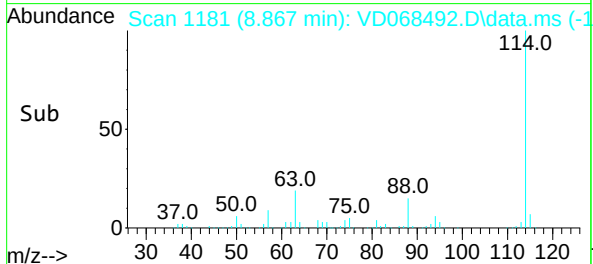
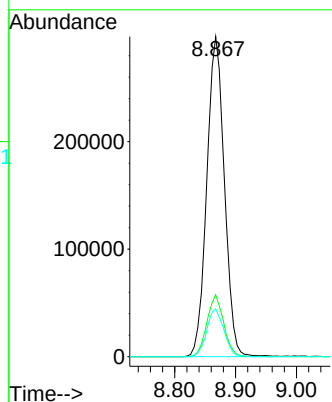
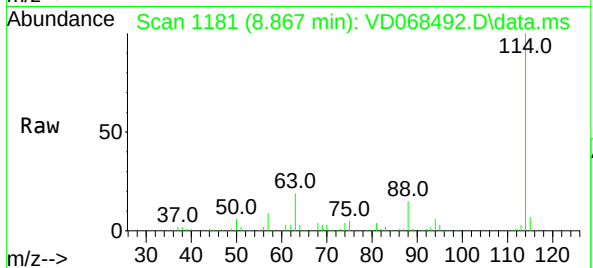




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

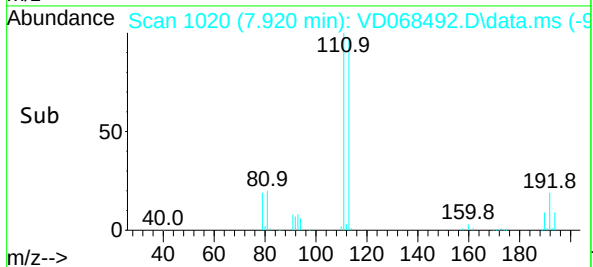
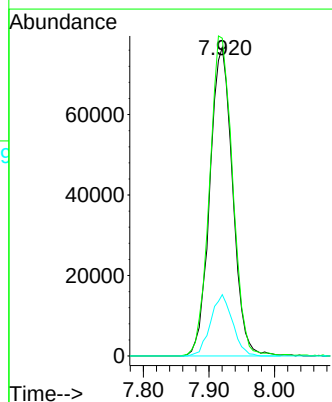
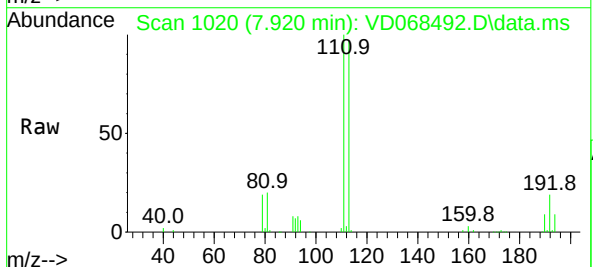
Instrument :
MSVOA_D
ClientSampleId :
SOIL-SAMPLE-S-2

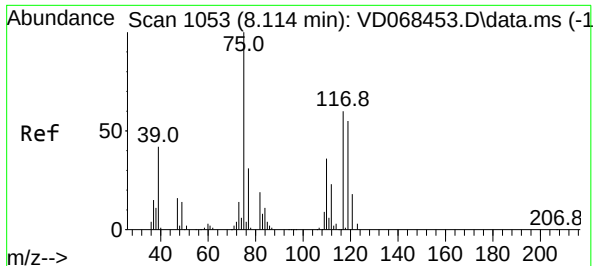
Tgt Ion:114 Resp: 598598
Ion Ratio Lower Upper
114 100
63 19.3 0.0 34.8
88 14.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.26 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

Tgt Ion:113 Resp: 184840
Ion Ratio Lower Upper
113 100
111 104.9 81.4 122.0
192 19.2 16.1 24.1

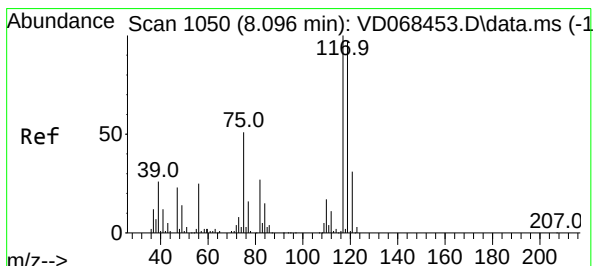
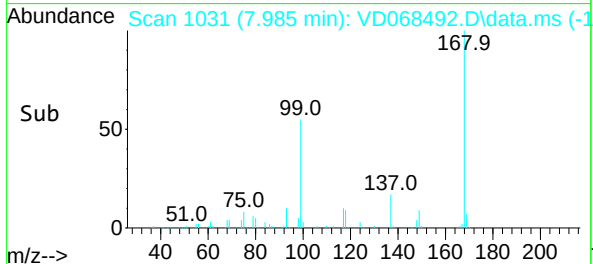
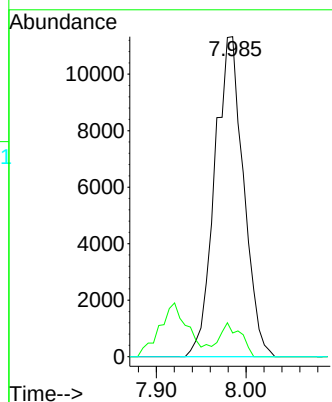
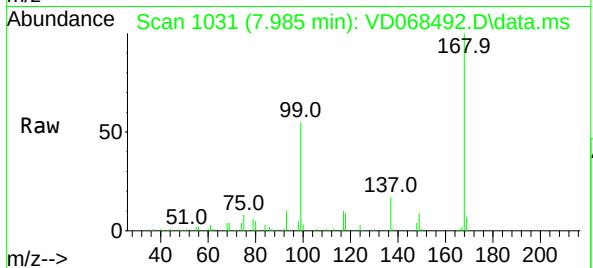




#36
1,1-Dichloropropene
Concen: 4.43 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

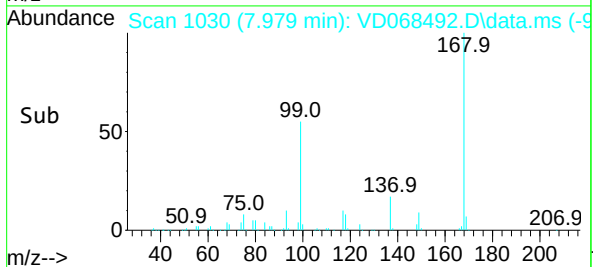
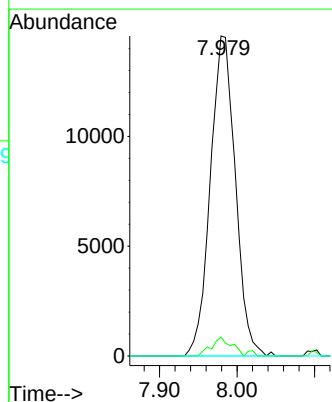
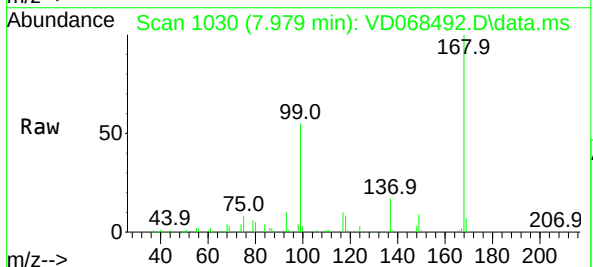
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MSVOA_D
ClientSampleId :
SOIL-SAMPLE-S-2

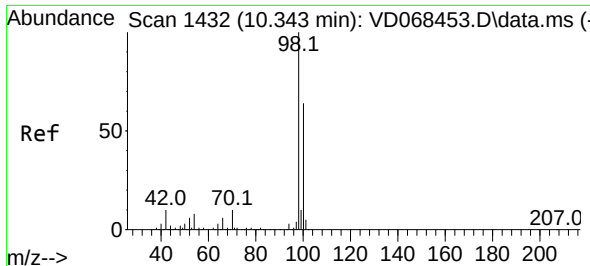
Tgt Ion: 75 Resp: 25222
Ion Ratio Lower Upper
75 100
110 7.6 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

Tgt Ion: 117 Resp: 32716
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 24.7 37.1#

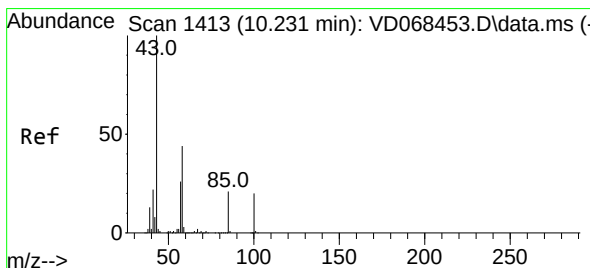
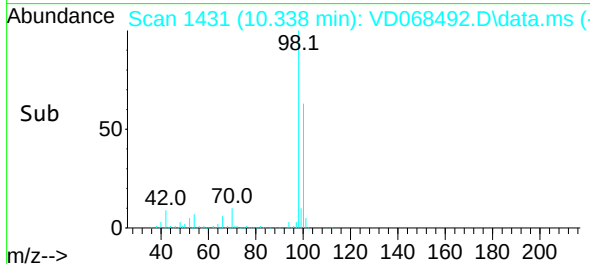
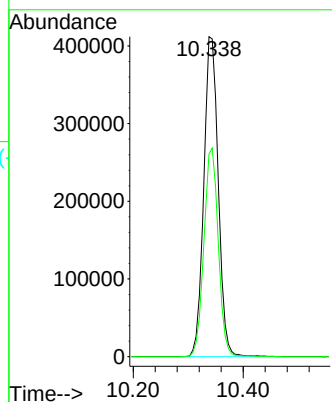
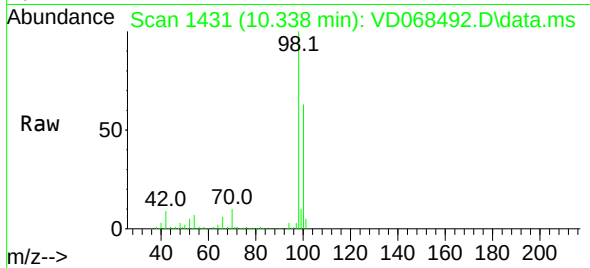




#50
Toluene-d8
Concen: 52.43 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

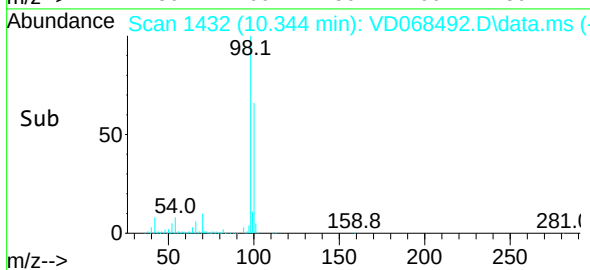
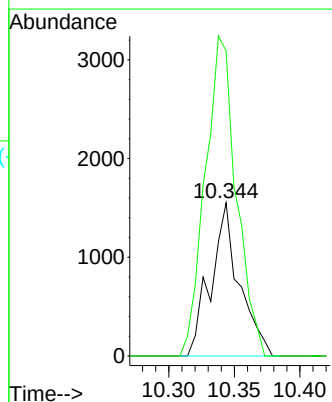
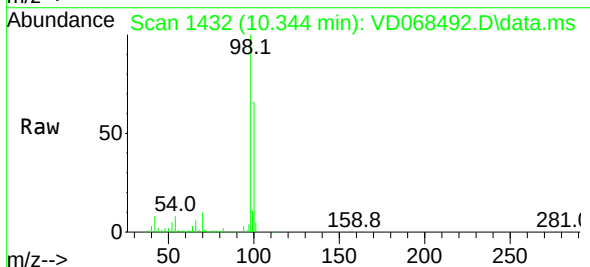
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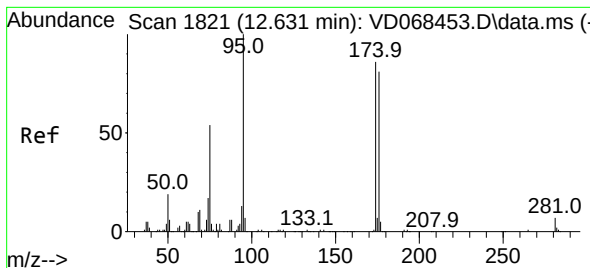
Tgt Ion: 98 Resp: 753016
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.29 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.112 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

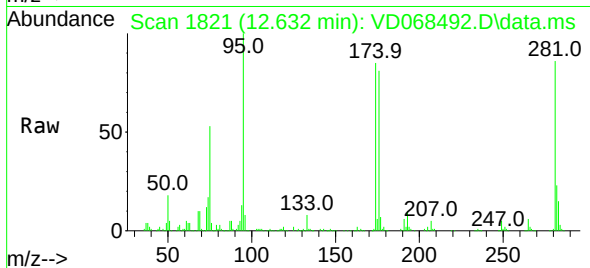
Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
58 228.0 36.1 54.1#



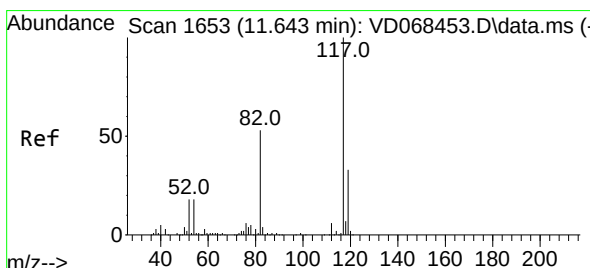
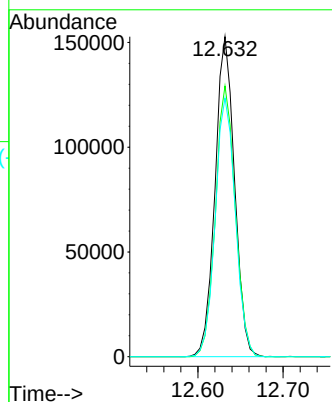
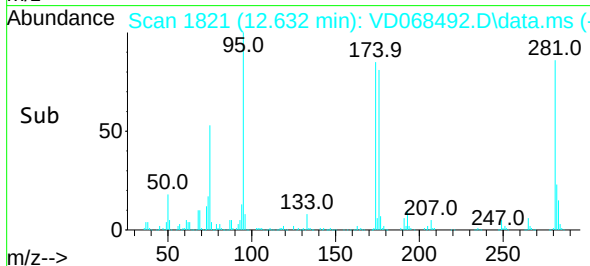


#62
4-Bromofluorobenzene
Concen: 52.44 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

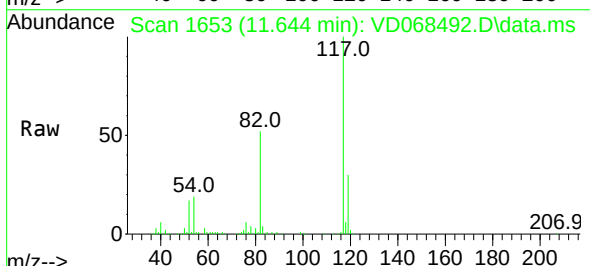
Instrument :
MSVOA_D
ClientSampleId :
SOIL-SAMPLE-S-2



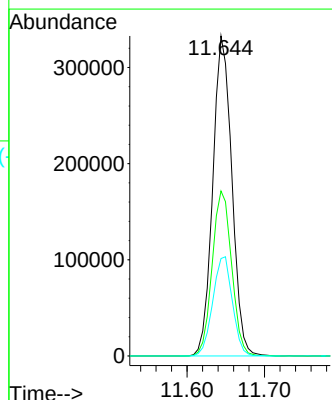
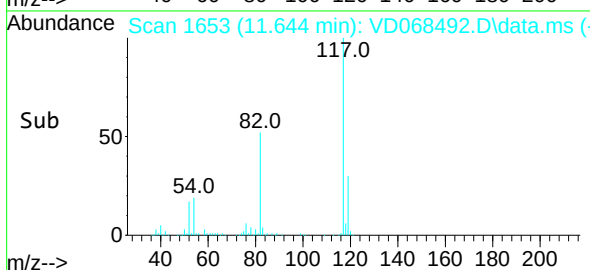
Tgt Ion: 95 Resp: 242743
Ion Ratio Lower Upper
95 100
174 86.0 0.0 172.4
176 83.1 0.0 168.4

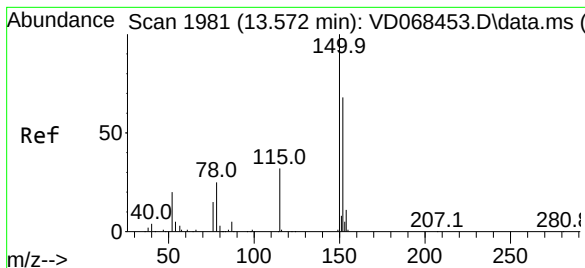


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21



Tgt Ion: 117 Resp: 569404
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.0
119 30.4 26.1 39.1

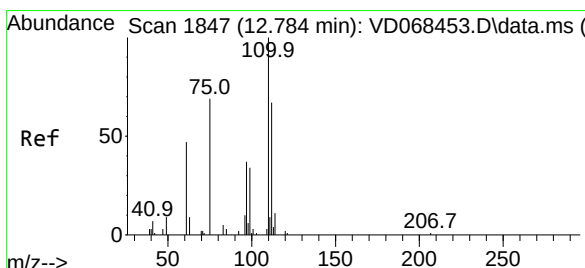
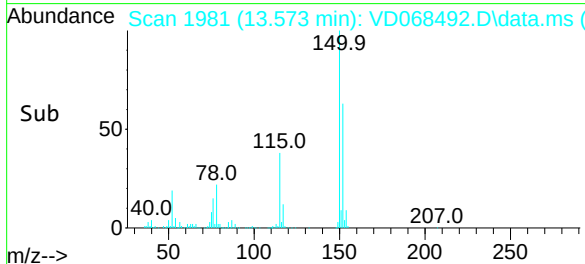
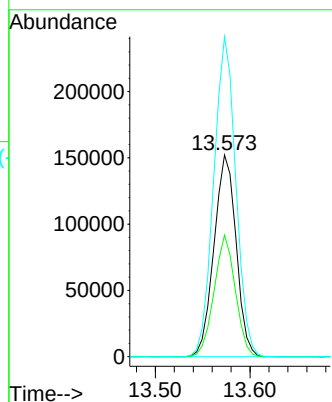
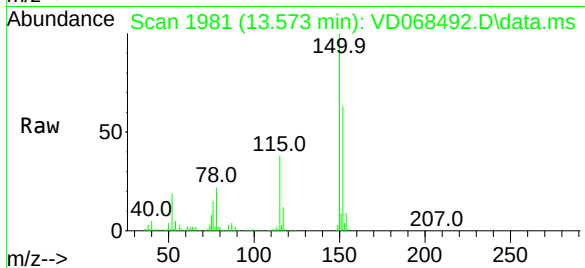




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.001 min
 Lab File: VD068492.D
 Acq: 02 Mar 2021 13:21

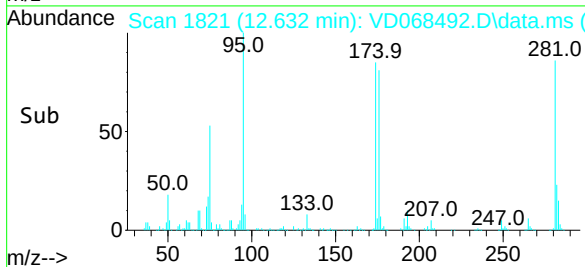
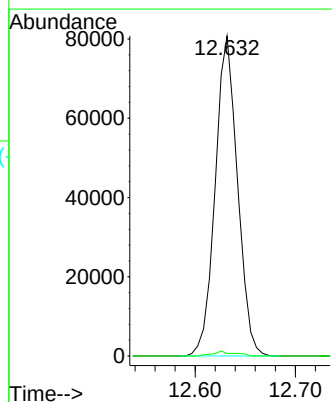
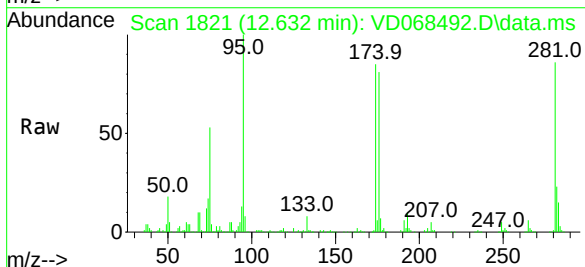
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-SAMPLE-S-2

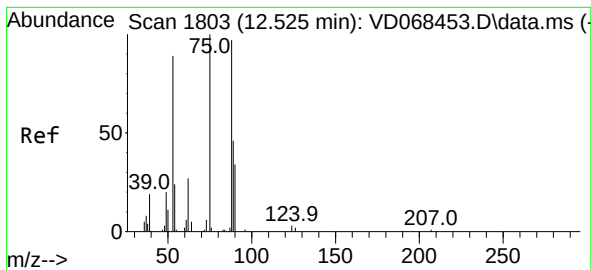
Tgt Ion:152 Resp: 247234
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.9 86.8
 150 158.4 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 56.72 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.152 min
 Lab File: VD068492.D
 Acq: 02 Mar 2021 13:21

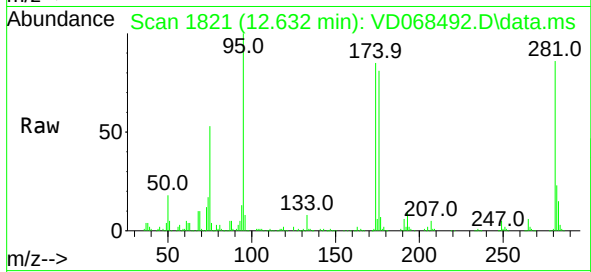
Tgt Ion: 75 Resp: 124495
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068492.D
Acq: 02 Mar 2021 13:21

Instrument :
MSVOA_D
ClientSampleId :
SOIL-SAMPLE-S-2



Tgt Ion: 75 Resp: 124495
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 1.2 40.3 60.5#

