

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022822\
 Data File : VD072119.D
 Acq On : 28 Feb 2022 13:35
 Operator : VA/SY
 Sample : N1650-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)

Quant Time: Feb 28 16:29:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

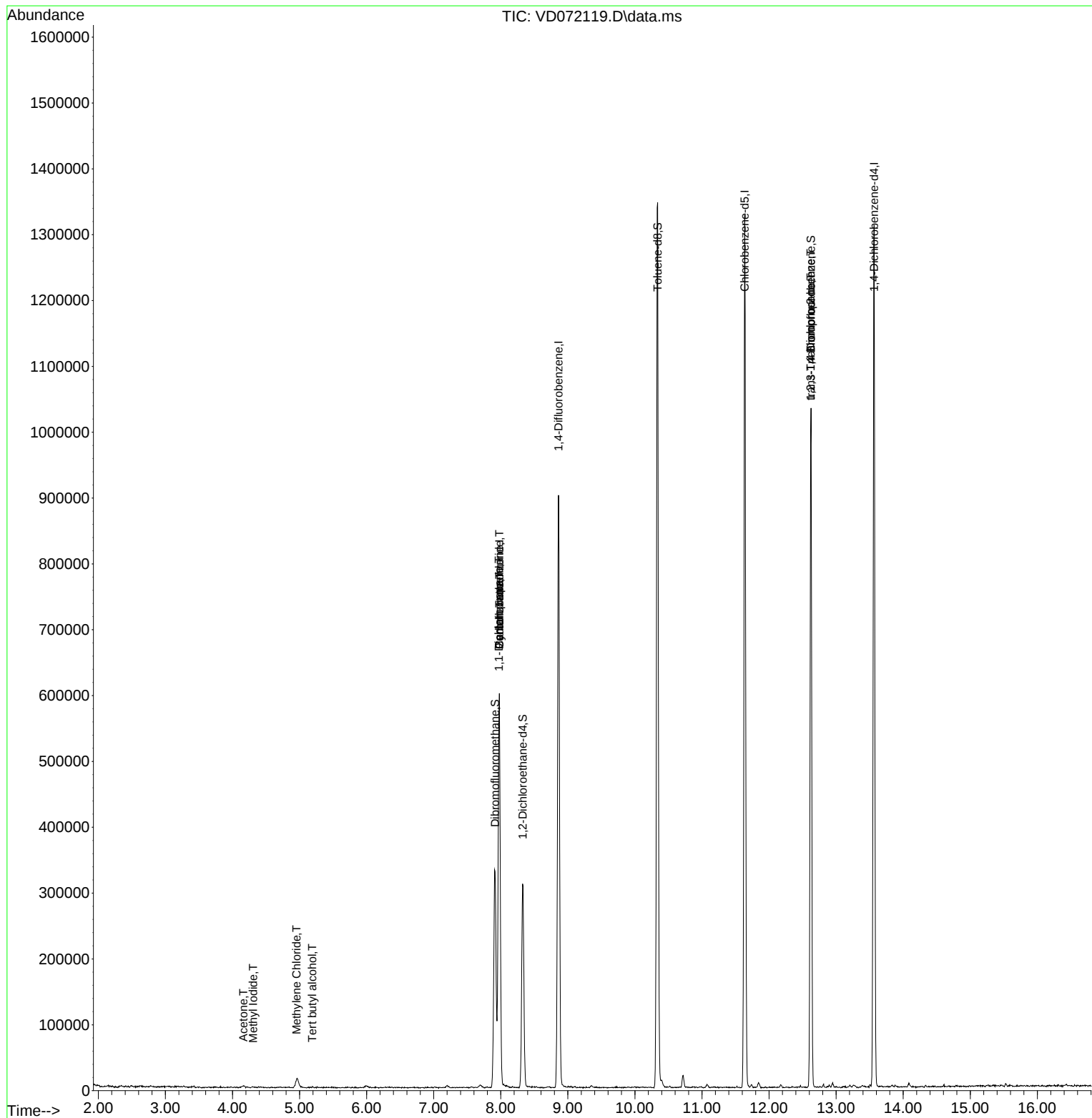
Internal Standards						
1) Pentafluorobenzene	7.979	168	440169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	755731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	749684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	352186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	251235	55.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.040%			
35) Dibromofluoromethane	7.914	113	243488	53.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.360%			
50) Toluene-d8	10.338	98	931337	54.849	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.700%			
62) 4-Bromofluorobenzene	12.626	95	344420	55.220	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	919	Below Cal	#	58
10) Methyl Iodide	4.308	142	1489	3.205	ug/l #	88
11) Tert butyl alcohol	5.191	59	415	1.593	ug/l #	80
16) Acetone	4.161	43	4636	4.698	ug/l #	85
18) Methyl Acetate	4.808	43	68	Below Cal	#	52
20) Methylene Chloride	4.955	84	5240	1.067	ug/l	93
31) Cyclohexane	7.979	56	11063	1.372	ug/l #	6
36) 1,1-Dichloropropene	7.973	75	35492	5.117	ug/l #	50
38) Carbon Tetrachloride	7.979	117	45646	6.421	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	177449	53.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	177449	133.205	ug/l #	10

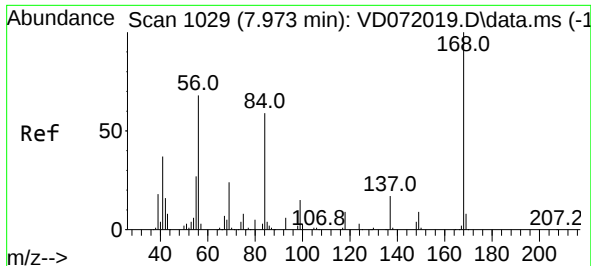
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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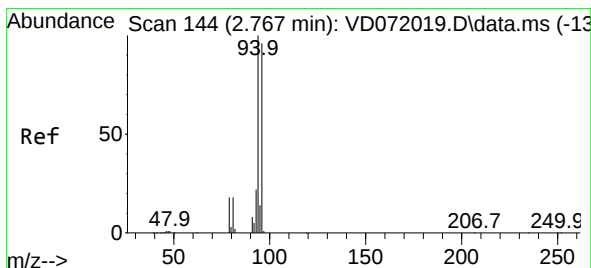
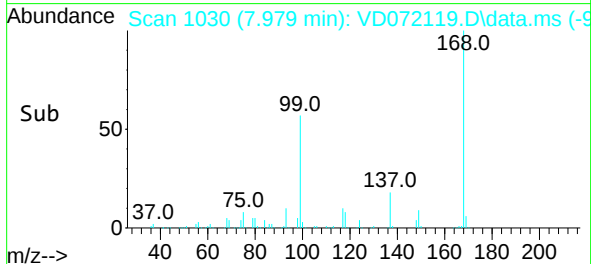
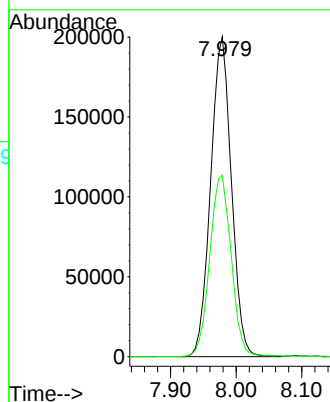
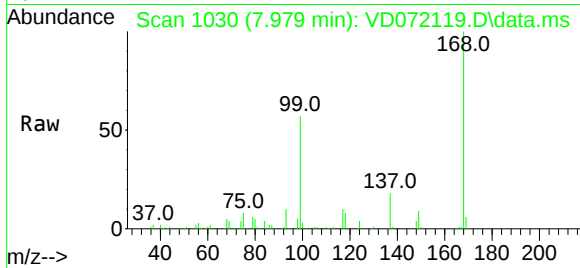




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

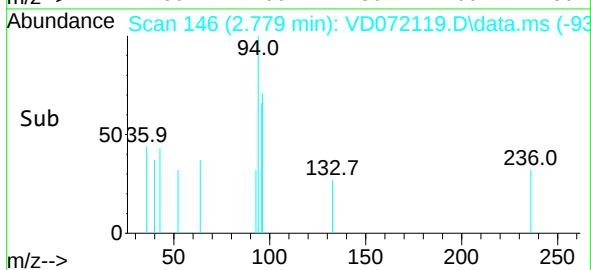
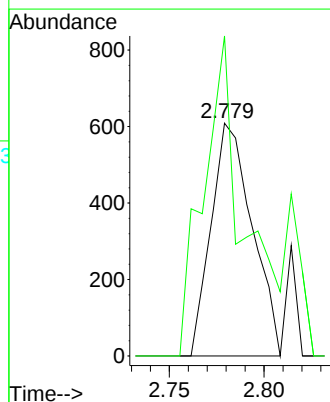
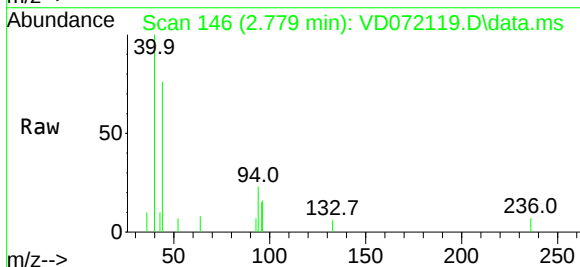
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

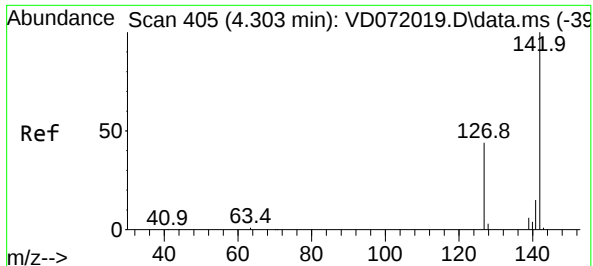
Tgt Ion:168 Resp: 440169
Ion Ratio Lower Upper
168 100
99 56.7 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

Tgt Ion: 94 Resp: 919
Ion Ratio Lower Upper
94 100
96 137.4 76.8 115.2#

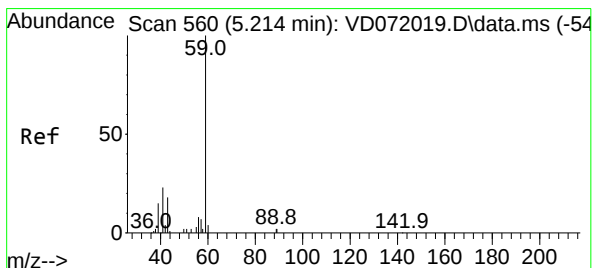
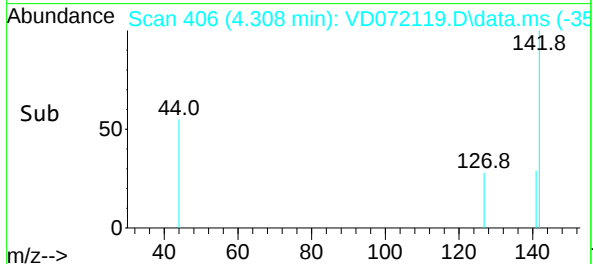
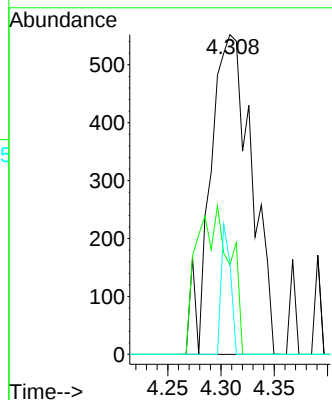
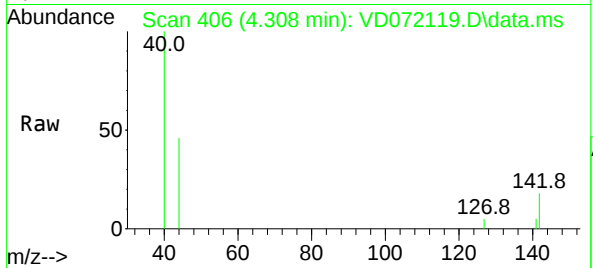




#10
Methyl Iodide
Concen: 3.205 ug/l
RT: 4.308 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

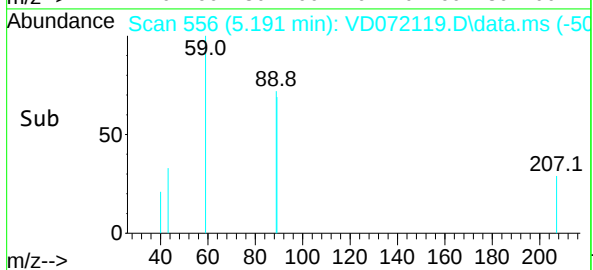
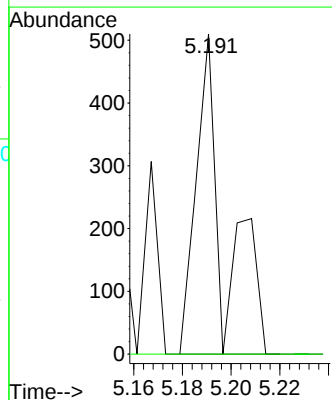
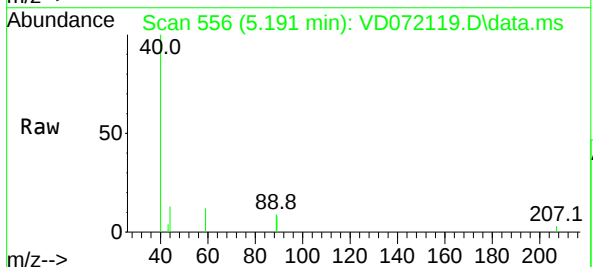
Instrument :
MSVOA_D
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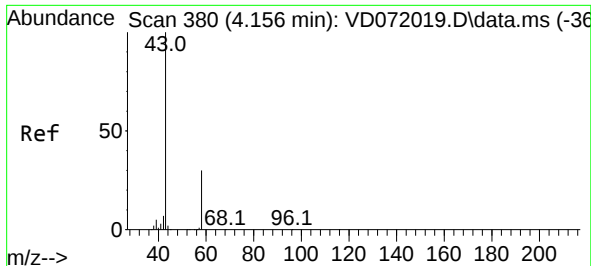
Tgt Ion:142 Resp: 1489
Ion Ratio Lower Upper
142 100
127 37.4 35.8 53.8
141 9.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.593 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

Tgt Ion: 59 Resp: 415
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

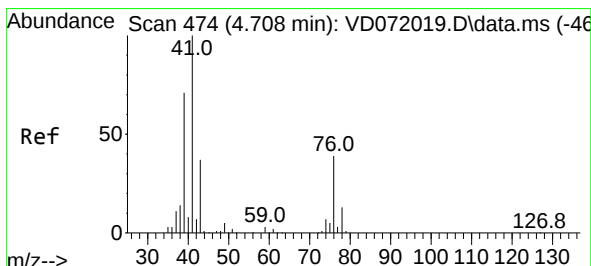
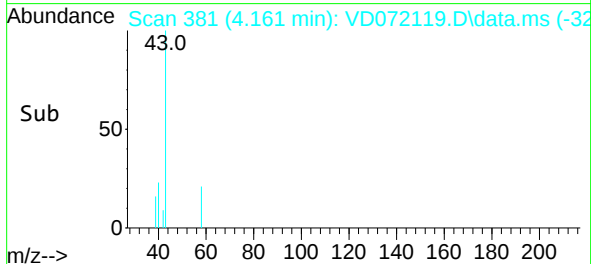
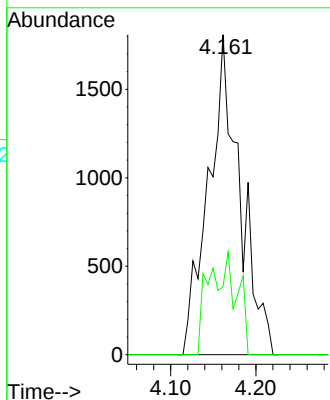
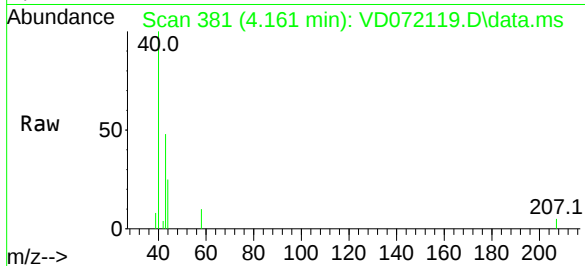




#16
Acetone
Concen: 4.698 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

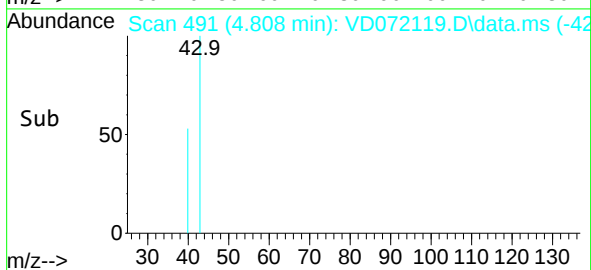
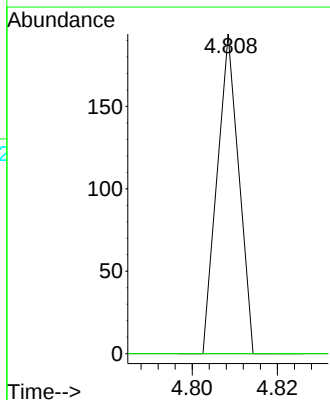
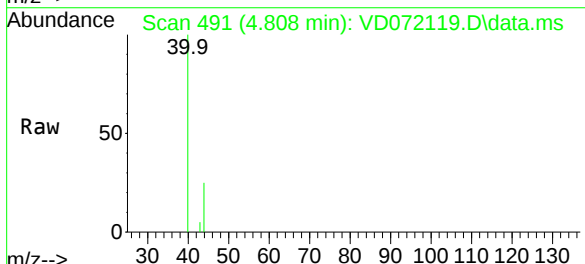
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

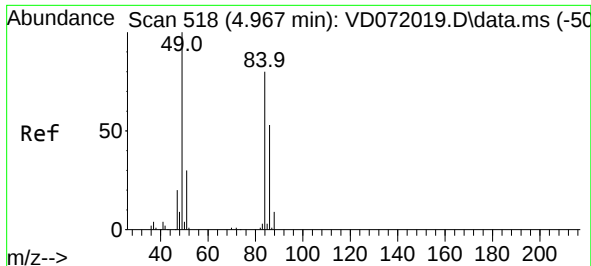
Tgt Ion: 43 Resp: 4636
Ion Ratio Lower Upper
43 100
58 21.3 23.8 35.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.808 min Scan# 491
Delta R.T. 0.100 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

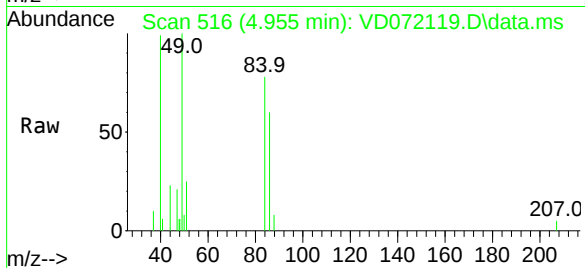
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



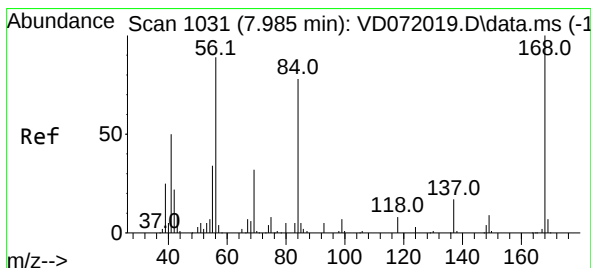
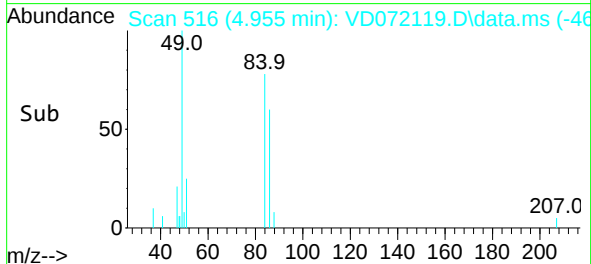
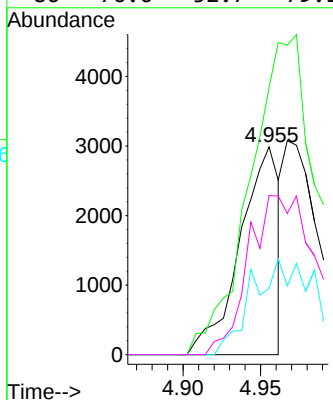


#20
Methylene Chloride
Concen: 1.067 ug/l
RT: 4.955 min Scan# 518
Delta R.T. -0.012 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

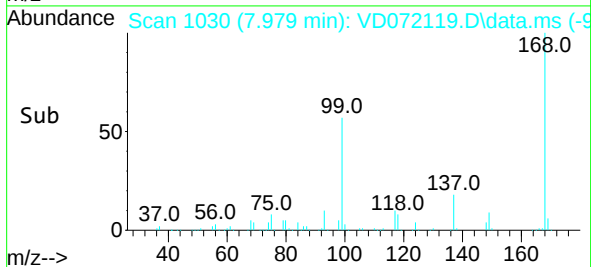
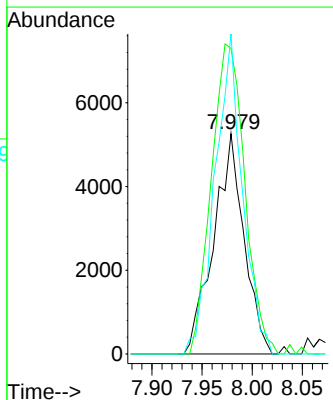
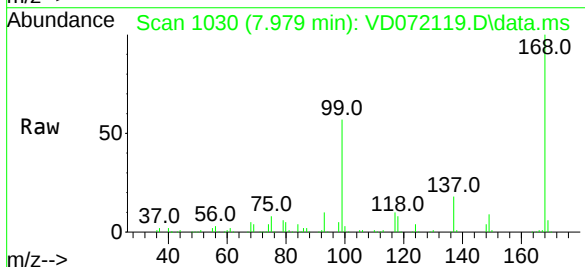


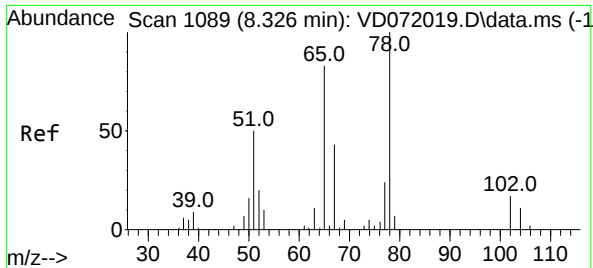
Tgt Ion: 84	Resp: 5240
Ion Ratio	Lower Upper
84 100	
49 128.6	100.0 150.0
51 32.0	30.2 45.4
86 76.6	52.7 79.1



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

Tgt Ion: 56	Resp: 11063		
Ion Ratio	Lower	Upper	
56	100		
69	138.7	28.9	43.3#
84	145.3	70.6	105.8#





#33

1,2-Dichloroethane-d4

Concen: 55.025 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072119.D

Acq: 28 Feb 2022 13:35

Instrument :

MSVOA_D

ClientSampleId :

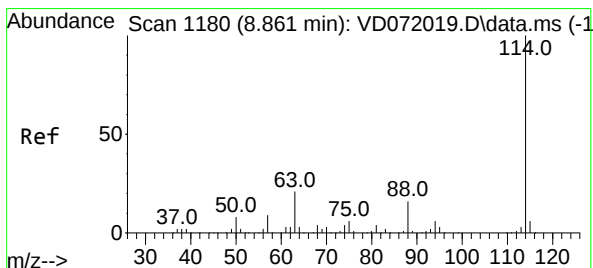
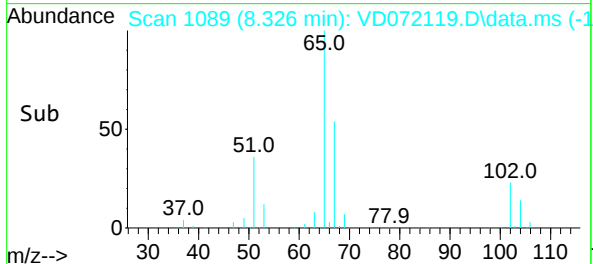
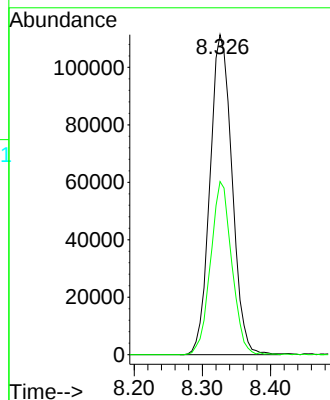
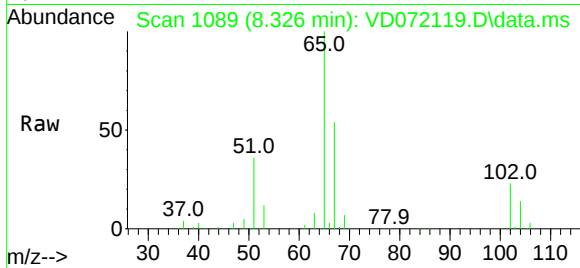
NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion: 65 Resp: 251235

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072119.D

Acq: 28 Feb 2022 13:35

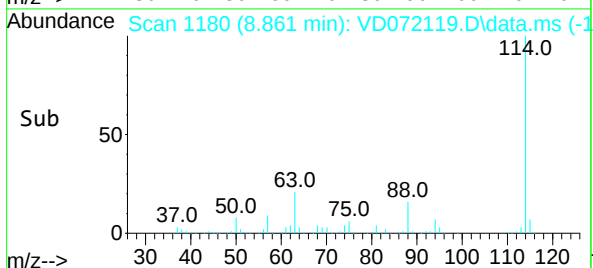
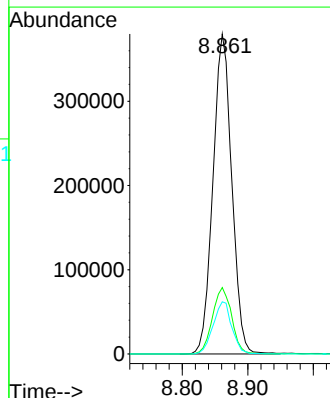
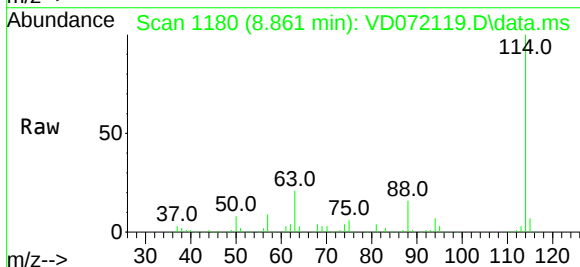
Tgt Ion: 114 Resp: 755731

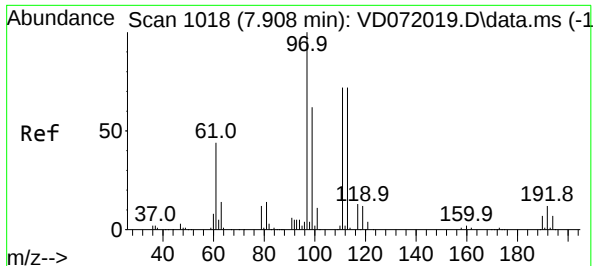
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

88 16.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.178 ug/l

RT: 7.914 min Scan# 1029

Delta R.T. 0.006 min

Lab File: VD072119.D

Acq: 28 Feb 2022 13:35

Instrument :

MSVOA_D

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)

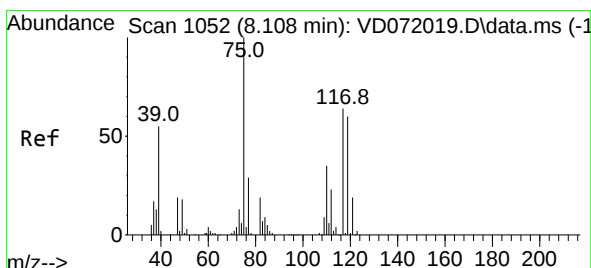
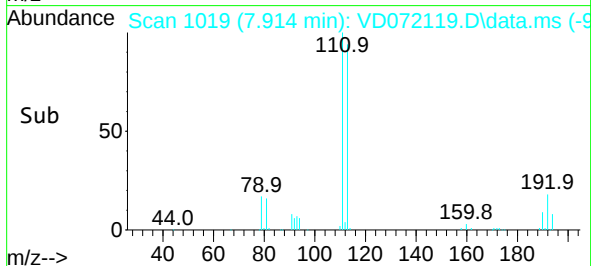
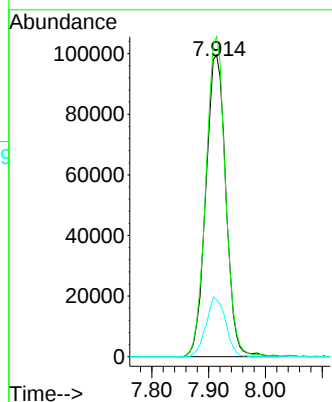
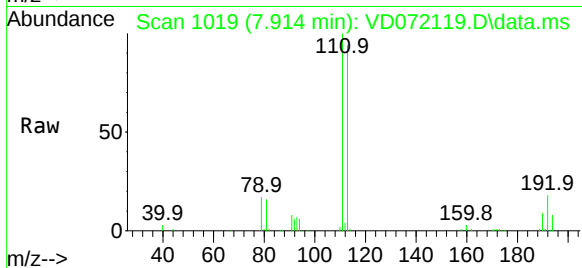
Tgt Ion:113 Resp: 243488

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.4

192 19.3 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.117 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072119.D

Acq: 28 Feb 2022 13:35

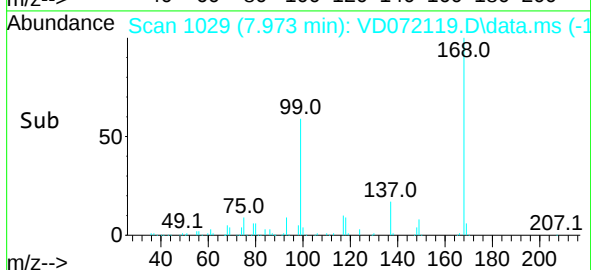
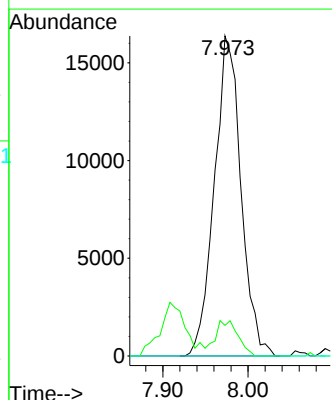
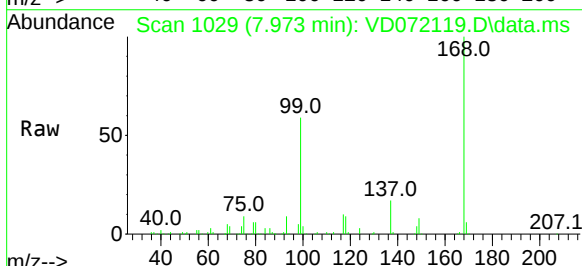
Tgt Ion: 75 Resp: 35492

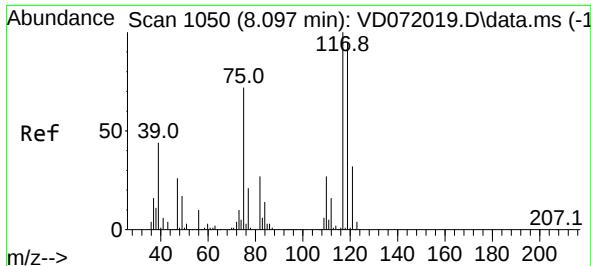
Ion Ratio Lower Upper

75 100

110 9.4 17.7 53.1#

77 0.0 24.8 37.2#

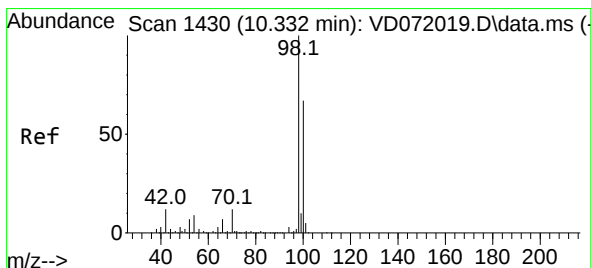
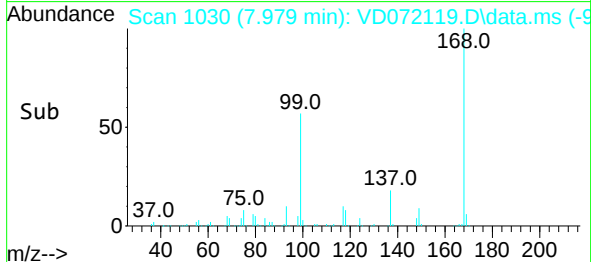
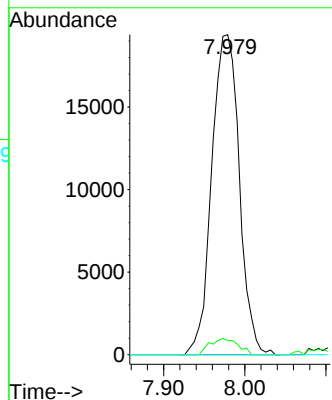
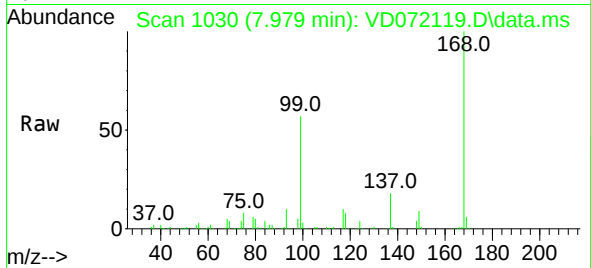




#38
Carbon Tetrachloride
Concen: 6.421 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

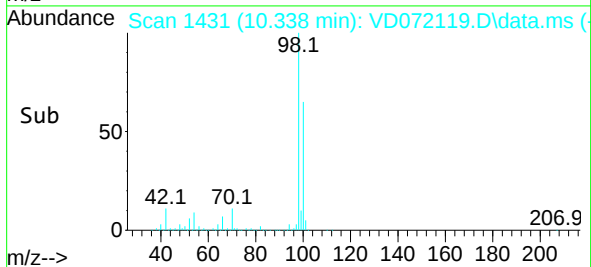
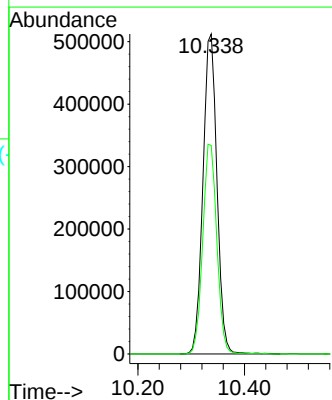
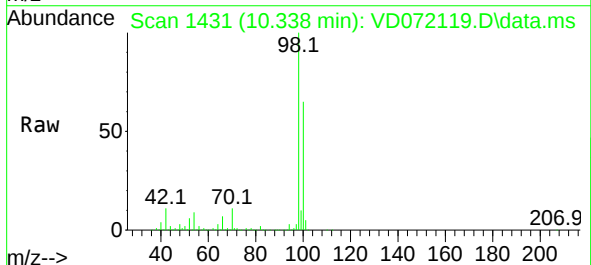
Instrument : MSVOA_D
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)

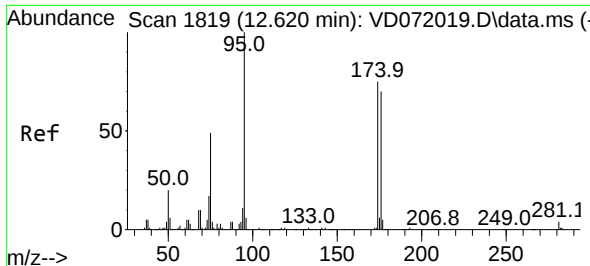
Tgt Ion:117 Resp: 45646
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 54.849 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

Tgt Ion: 98 Resp: 931337
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.6

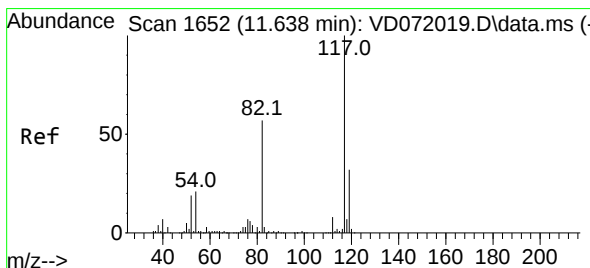
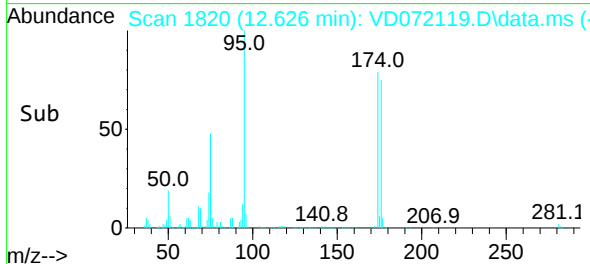
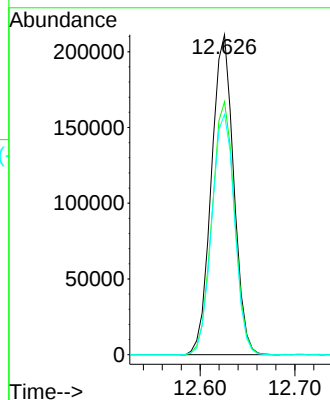
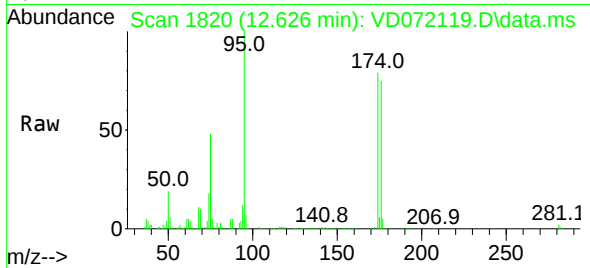




#62
4-Bromofluorobenzene
Concen: 55.220 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

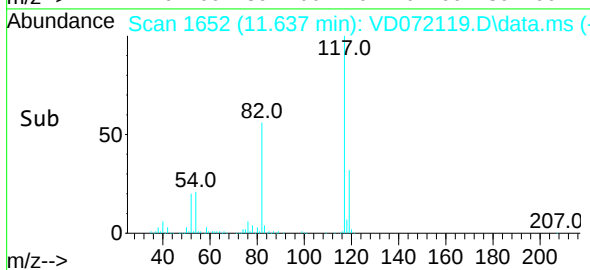
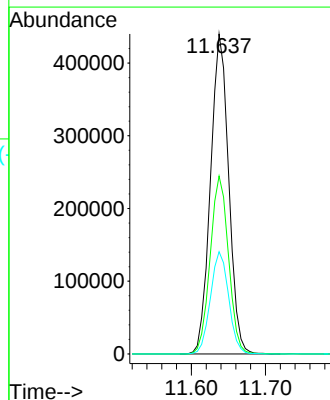
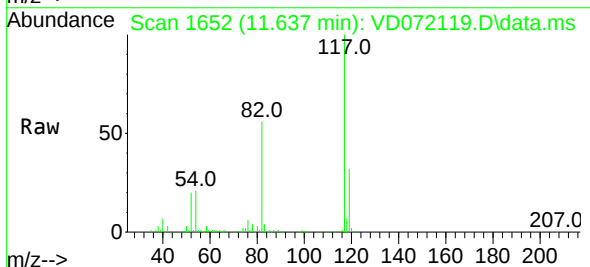
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

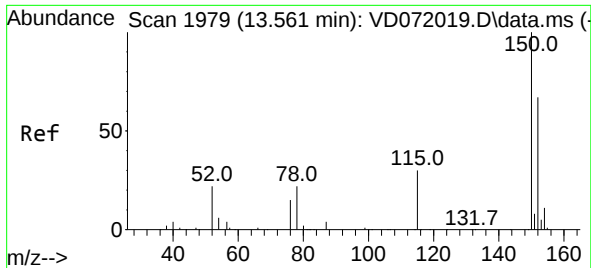
Tgt Ion: 95 Resp: 344420
Ion Ratio Lower Upper
95 100
174 80.2 0.0 155.0
176 76.7 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072119.D
Acq: 28 Feb 2022 13:35

Tgt Ion:117 Resp: 749684
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 31.9 25.4 38.2

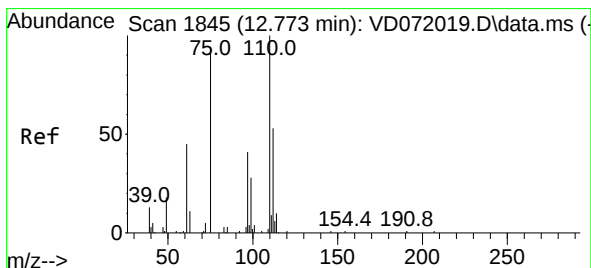
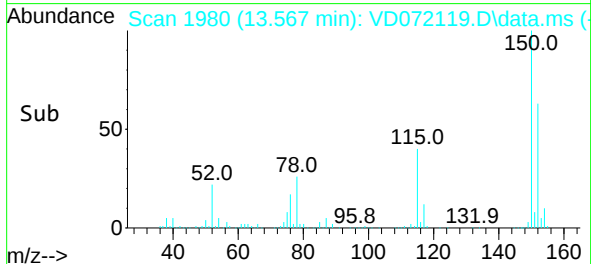
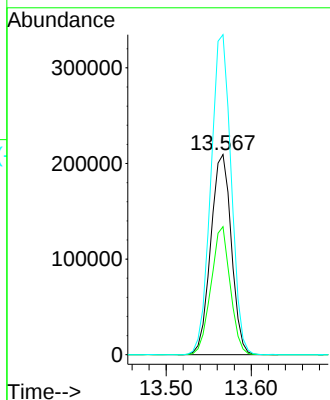
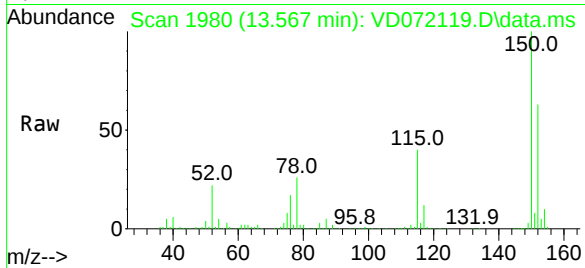




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: VD072119.D
 Acq: 28 Feb 2022 13:35

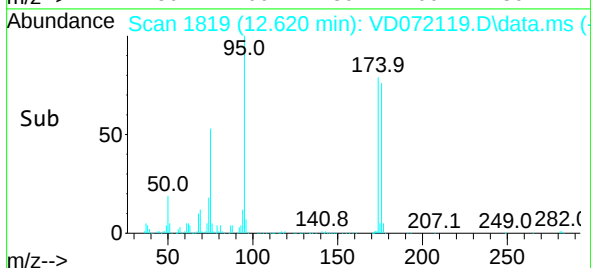
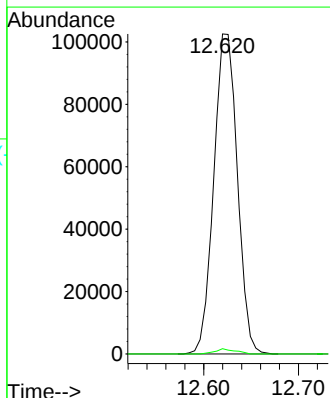
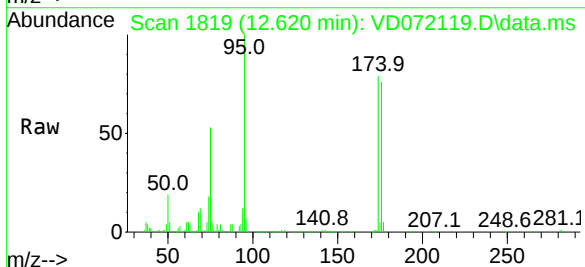
Instrument : MSVOA_D
 ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)

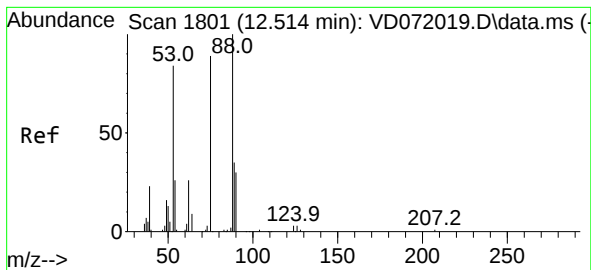
Tgt Ion:152 Resp: 352186
 Ion Ratio Lower Upper
 152 100
 115 59.9 29.9 89.7
 150 158.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 53.192 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072119.D
 Acq: 28 Feb 2022 13:35

Tgt Ion: 75 Resp: 177449
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.205 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072119.D
 Acq: 28 Feb 2022 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion: 75 Resp: 177449
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.4#
 89 0.0 36.4 54.6#

