

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072136.D
 Acq On : 01 Mar 2022 13:36
 Operator : VA/SY
 Sample : N1650-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 02 06:08:53 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)

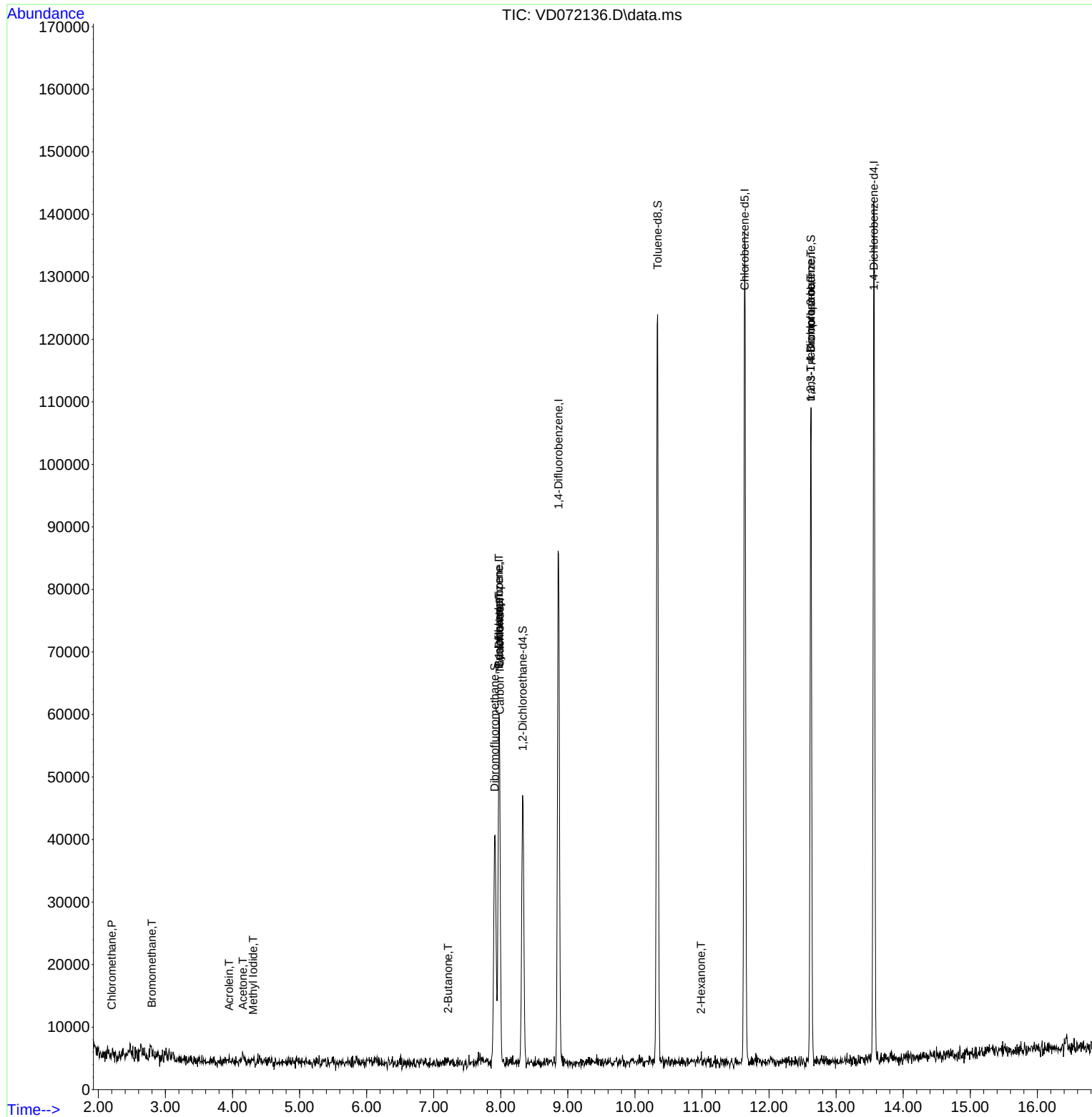
Internal Standards						
1) Pentafluorobenzene	7.973	168	39465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	70102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	75826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	37121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	35874	87.633	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 175.260%#	
35) Dibromofluoromethane	7.908	113	27543	64.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.700%	
50) Toluene-d8	10.338	98	84694	53.772	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.540%	
62) 4-Bromofluorobenzene	12.626	95	33523	57.942	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	678	2.278	ug/l	90
5) Bromomethane	2.797	94	1136	3.397	ug/l #	35
10) Methyl Iodide	4.309	142	1171	5.385	ug/l #	58
13) Acrolein	3.950	56	62	1.346	ug/l #	15
16) Acetone	4.156	43	2113	23.883	ug/l	97
18) Methyl Acetate	4.956	43	62	Below Cal	#	52
25) 2-Butanone	7.214	43	238	1.946	ug/l #	50
31) Cyclohexane	7.973	56	1170	1.618	ug/l #	52
36) 1,1-Dichloropropene	7.973	75	3414	5.306	ug/l #	44
38) Carbon Tetrachloride	7.985	117	4583	6.950	ug/l #	12
59) 2-Hexanone	10.985	43	210	1.046	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	17752	50.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	17752	126.429	ug/l #	10

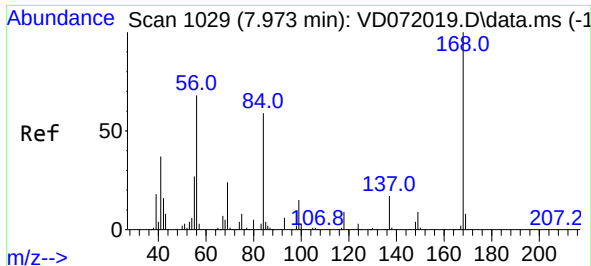
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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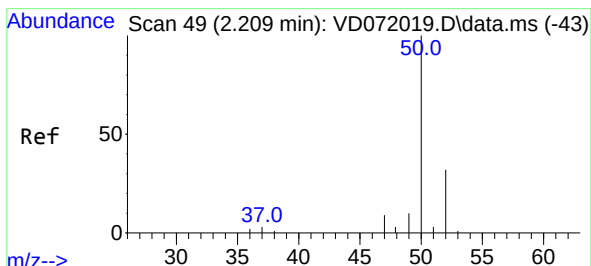
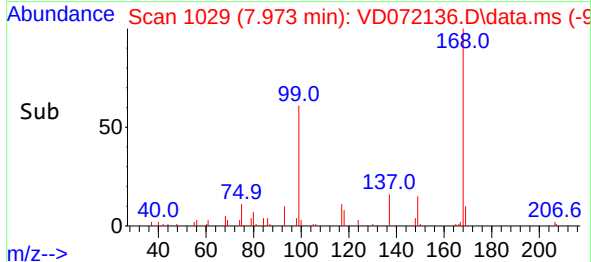
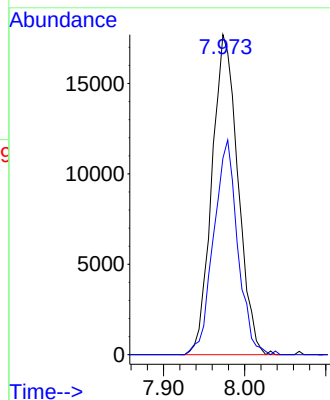
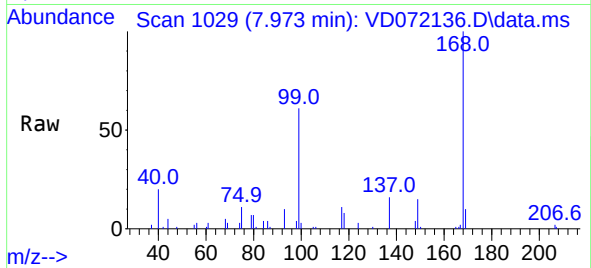




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

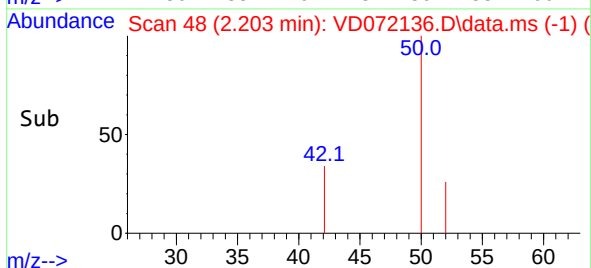
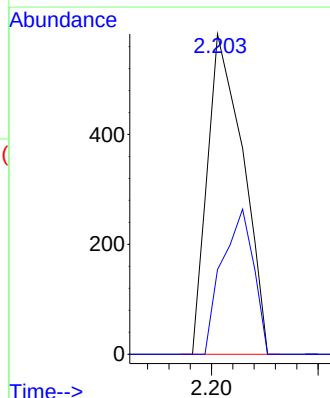
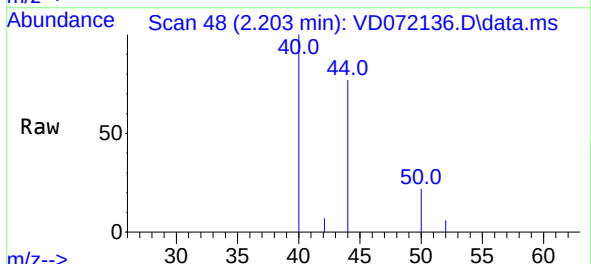
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

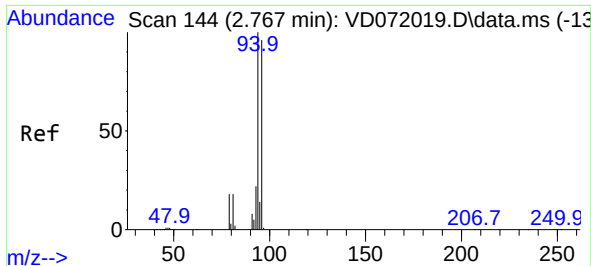
Tgt Ion:168 Resp: 39465
Ion Ratio Lower Upper
168 100
99 61.4 47.1 70.7



#3
Chloromethane
Concen: 2.278 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 50 Resp: 678
Ion Ratio Lower Upper
50 100
52 26.4 25.5 38.3

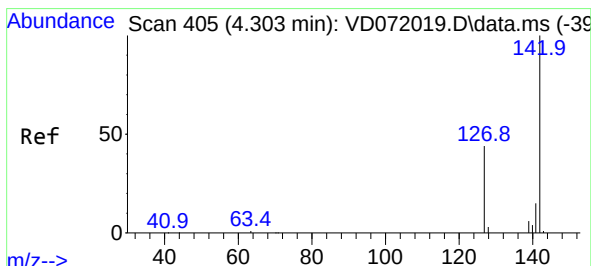
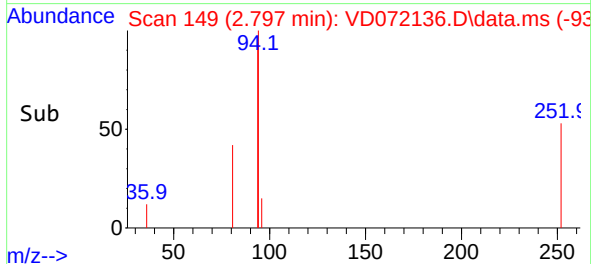
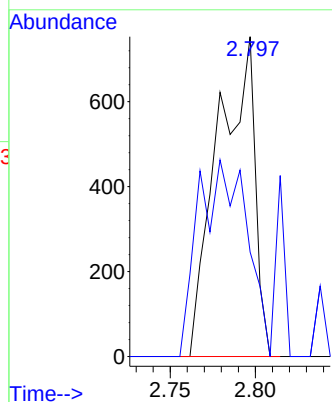
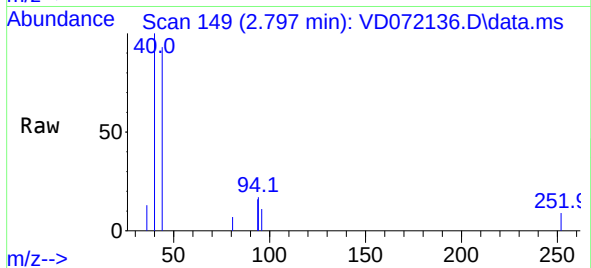




#5
Bromomethane
Concen: 3.397 ug/l
RT: 2.797 min Scan# 144
Delta R.T. 0.030 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

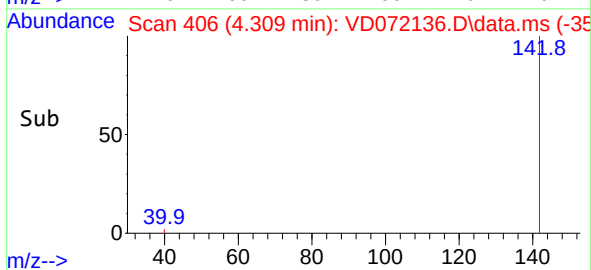
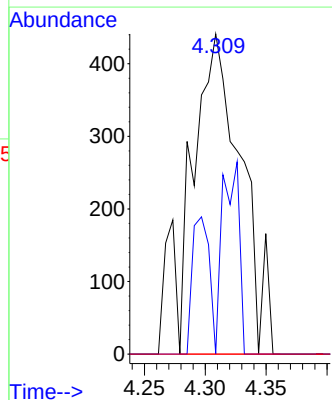
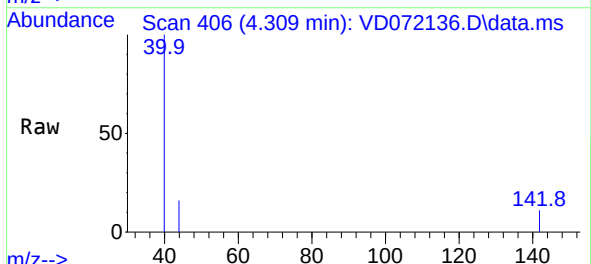
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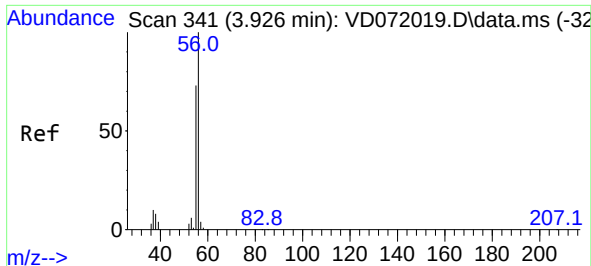
Tgt Ion: 94 Resp: 1136
Ion Ratio Lower Upper
94 100
96 32.7 76.8 115.2#



#10
Methyl Iodide
Concen: 5.385 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 142 Resp: 1171
Ion Ratio Lower Upper
142 100
127 15.6 35.8 53.8#
141 0.0 11.6 17.4#

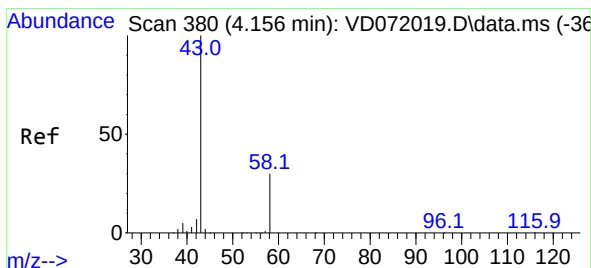
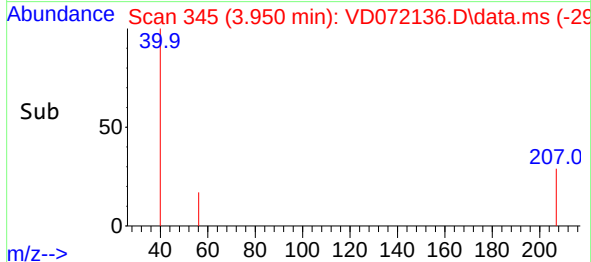
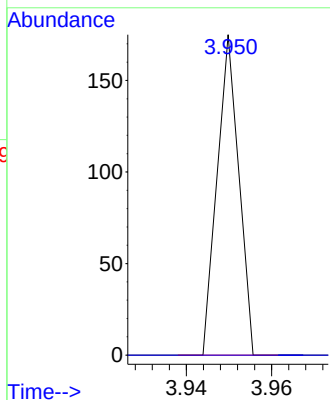
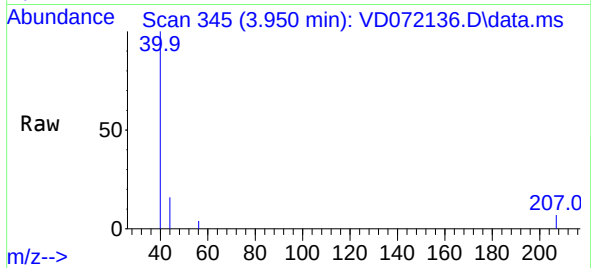




#13
Acrolein
Concen: 1.346 ug/l
RT: 3.950 min Scan# 341
Delta R.T. 0.024 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

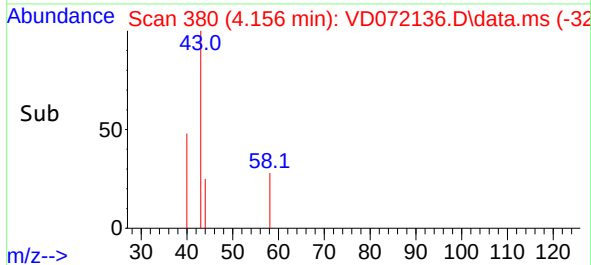
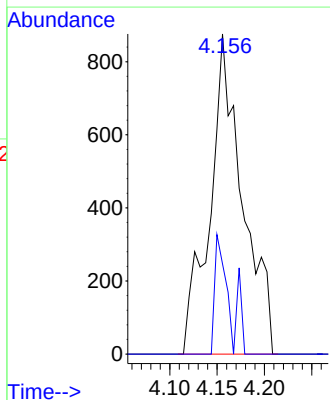
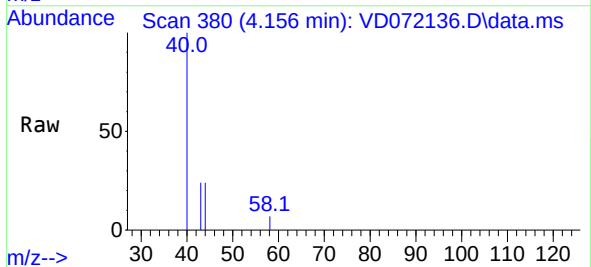
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

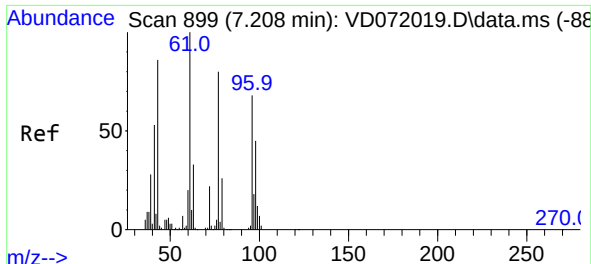
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 23.883 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 43 Resp: 2113
Ion Ratio Lower Upper
43 100
58 28.2 23.8 35.6

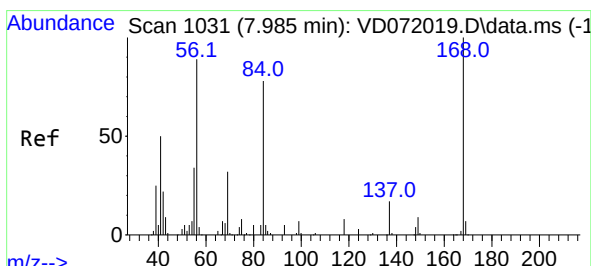
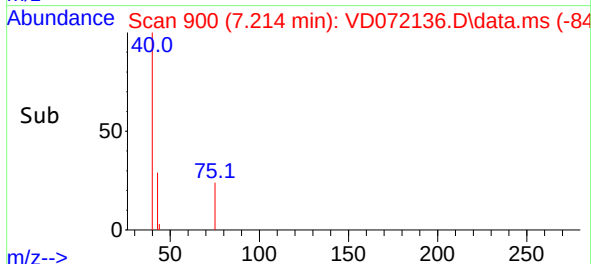
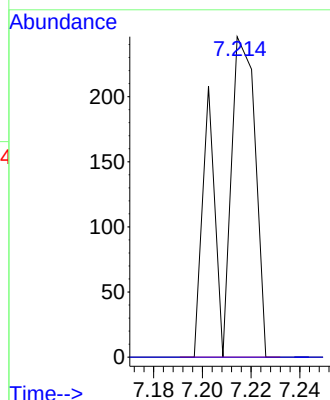
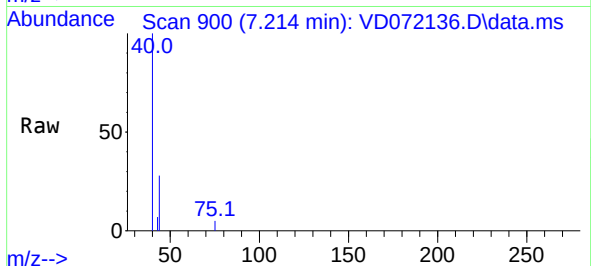




#25
2-Butanone
Concen: 1.946 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

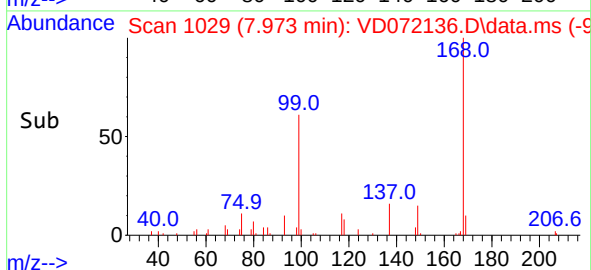
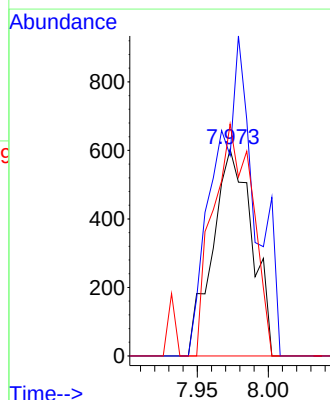
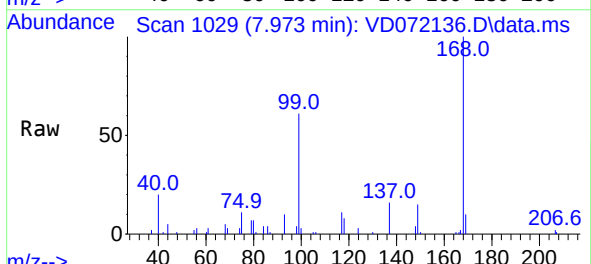
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

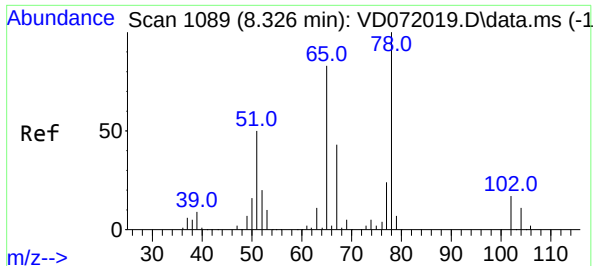
Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#



#31
Cyclohexane
Concen: 1.618 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 56 Resp: 1170
Ion Ratio Lower Upper
56 100
69 97.0 28.9 43.3#
84 112.3 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 87.633 ug/l

RT: 8.326 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072136.D

Acq: 01 Mar 2022 13:36

Instrument :

MSVOA_D

ClientSampleId :

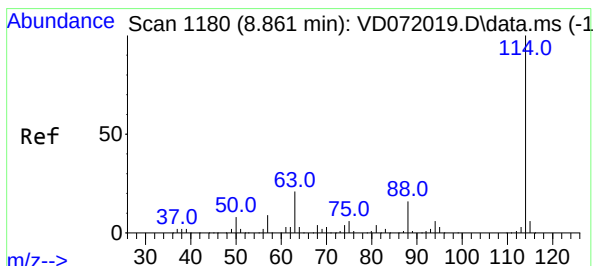
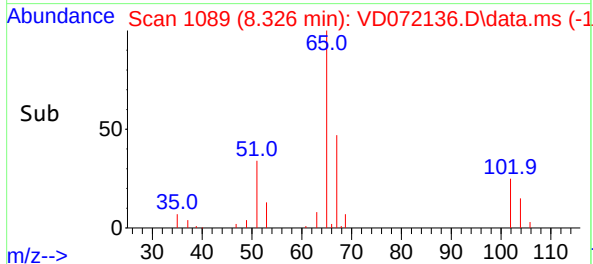
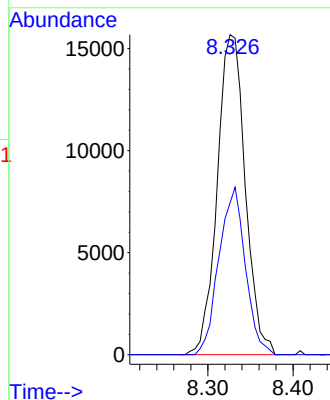
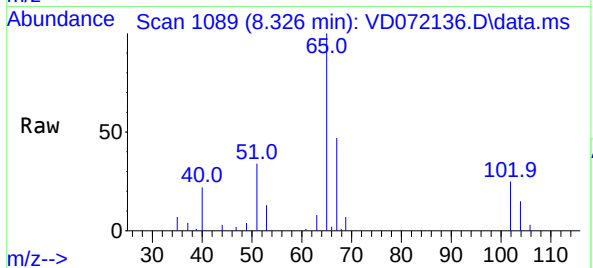
NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion: 65 Resp: 35874

Ion Ratio Lower Upper

65 100

67 49.2 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: VD072136.D

Acq: 01 Mar 2022 13:36

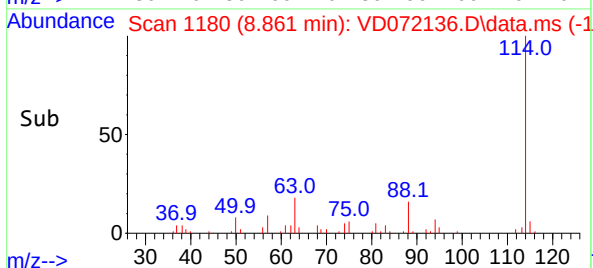
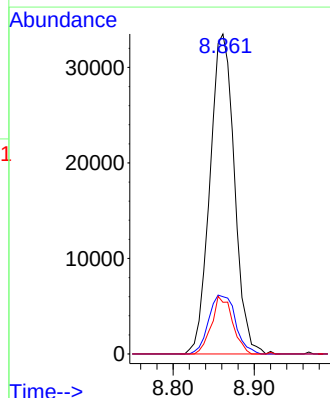
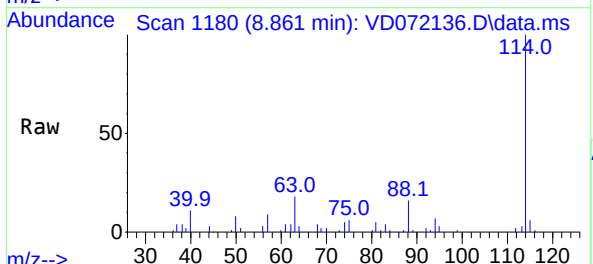
Tgt Ion: 114 Resp: 70102

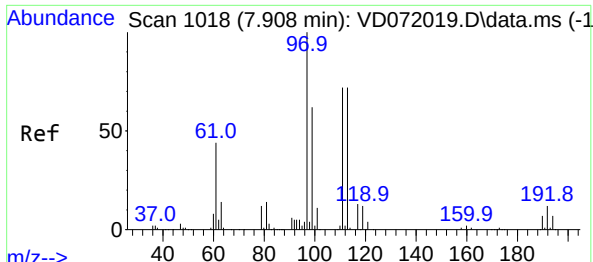
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.2

88 16.2 0.0 31.2

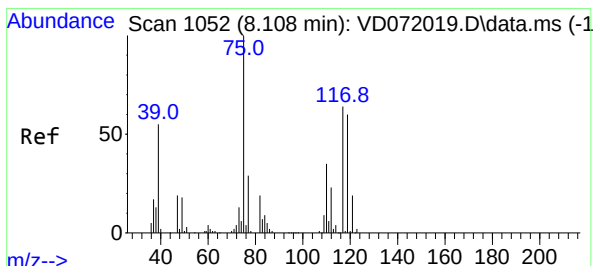
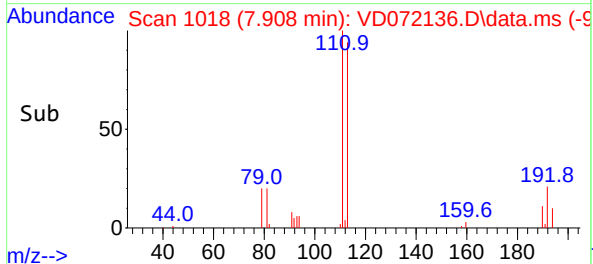
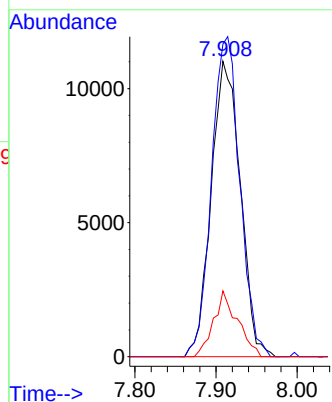
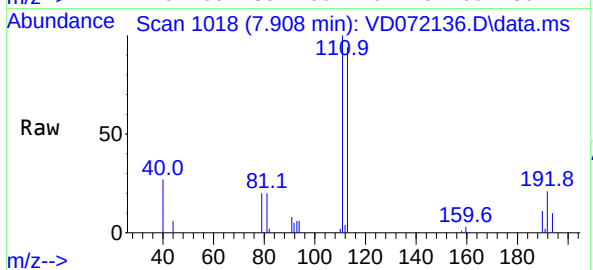




#35
Dibromofluoromethane
Concen: 64.849 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

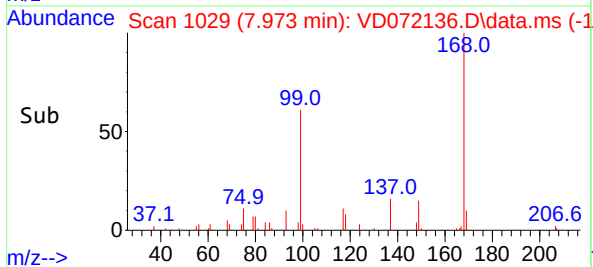
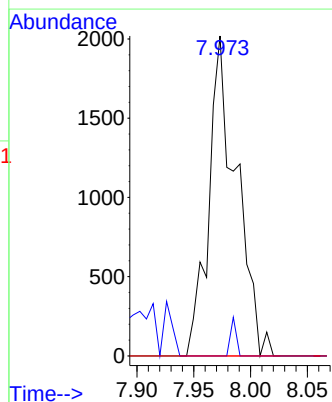
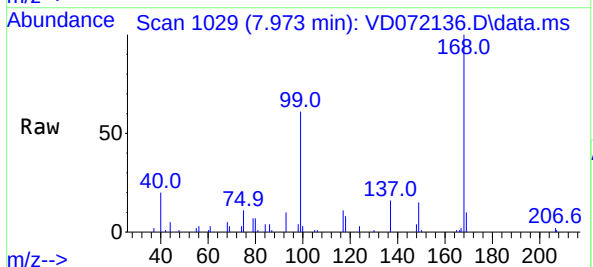
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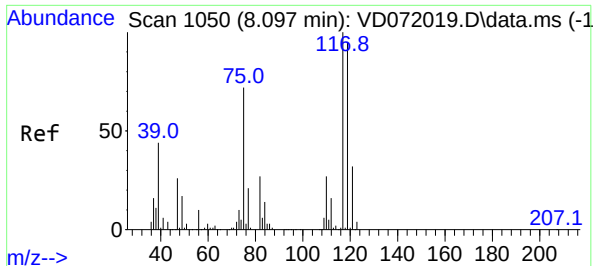
Tgt Ion:113 Resp: 27543
Ion Ratio Lower Upper
113 100
111 105.1 83.0 124.4
192 18.2 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.306 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 75 Resp: 3414
Ion Ratio Lower Upper
75 100
110 2.5 17.7 53.1#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.950 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD072136.D

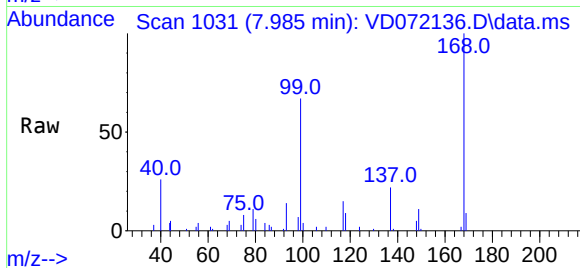
Acq: 01 Mar 2022 13:36

Instrument :

MSVOA_D

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)



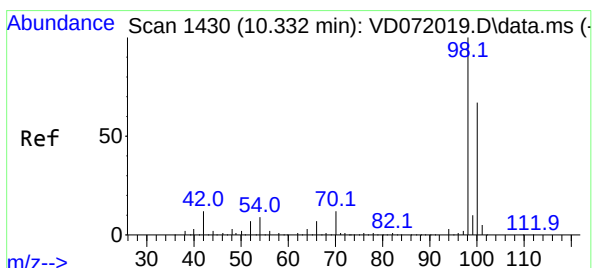
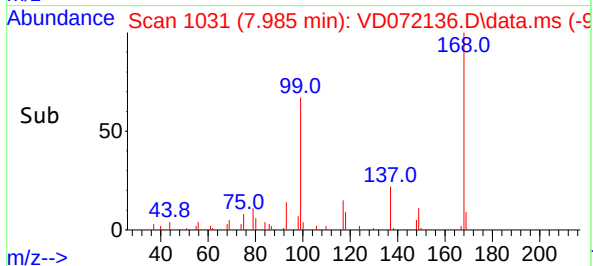
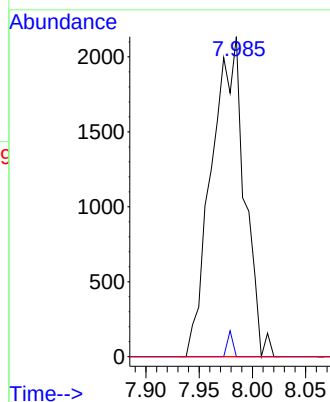
Tgt Ion:117 Resp: 4583

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 53.772 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD072136.D

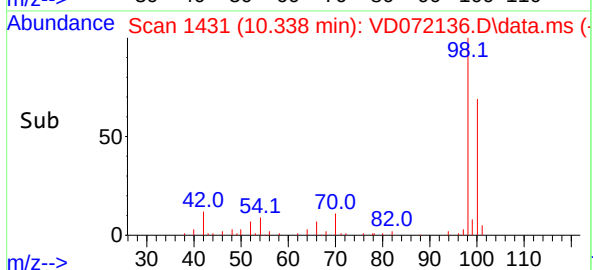
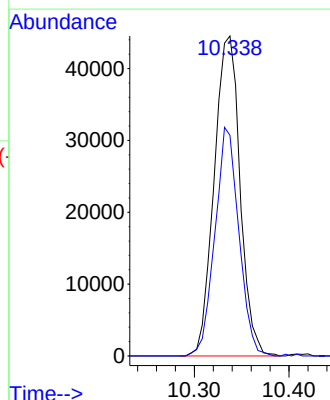
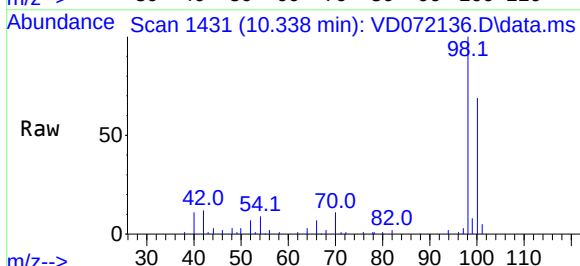
Acq: 01 Mar 2022 13:36

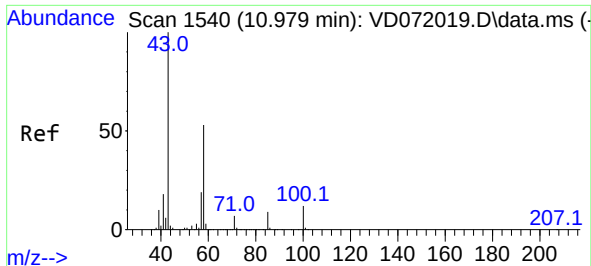
Tgt Ion: 98 Resp: 84694

Ion Ratio Lower Upper

98 100

100 66.1 53.8 80.6

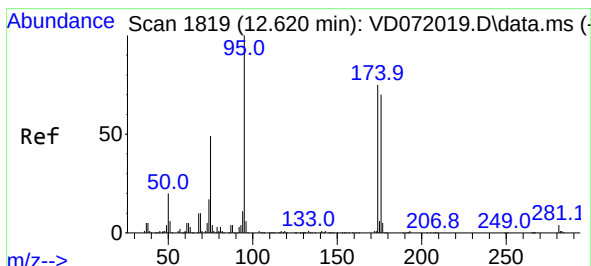
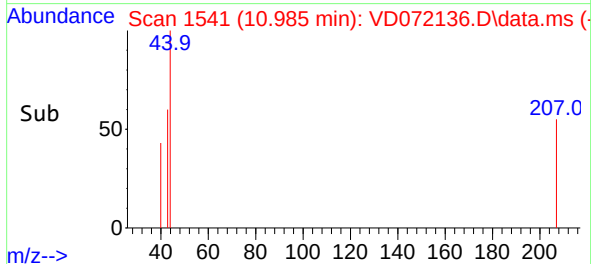
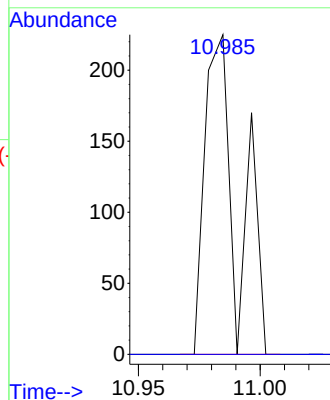
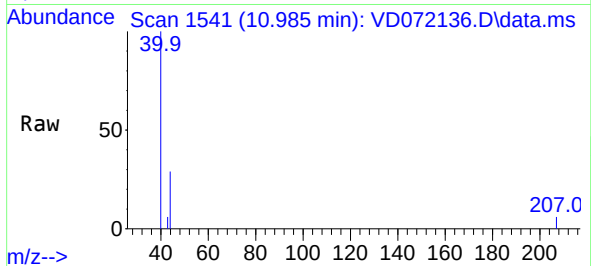




#59
2-Hexanone
Concen: 1.046 ug/l
RT: 10.985 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

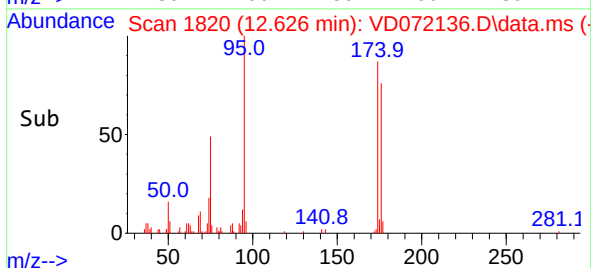
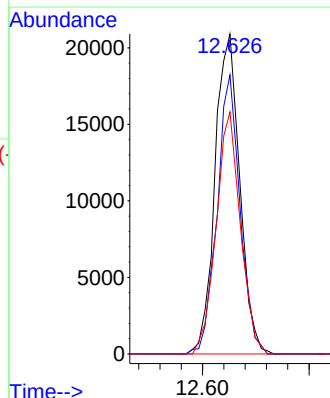
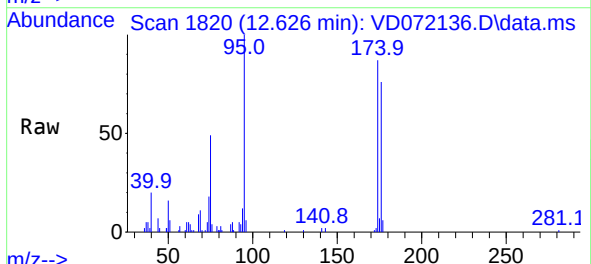
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

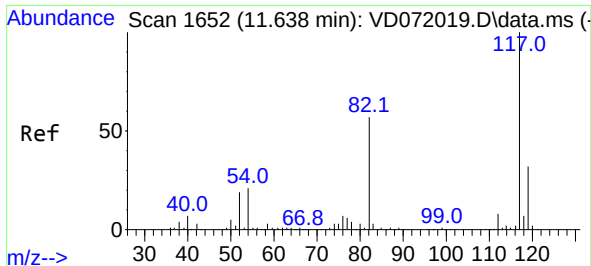
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 27.0 80.8#



#62
4-Bromofluorobenzene
Concen: 57.942 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 95 Resp: 33523
Ion Ratio Lower Upper
95 100
174 81.4 0.0 155.0
176 74.2 0.0 148.8

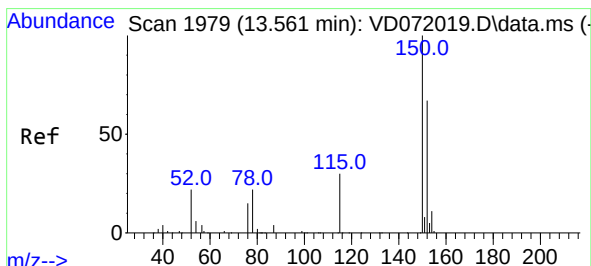
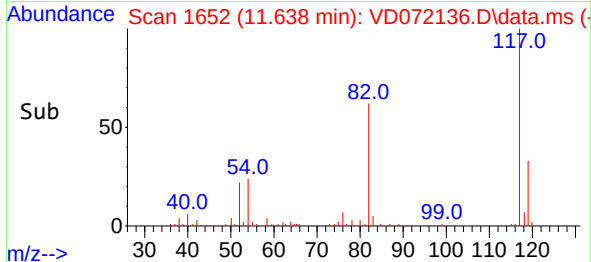
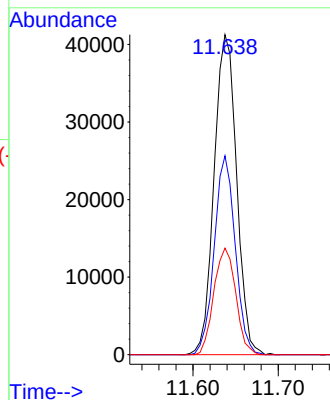
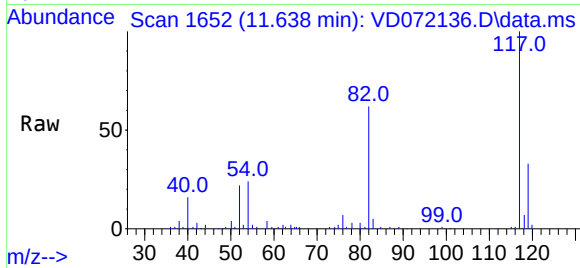




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

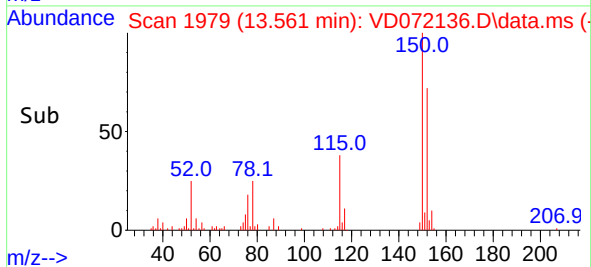
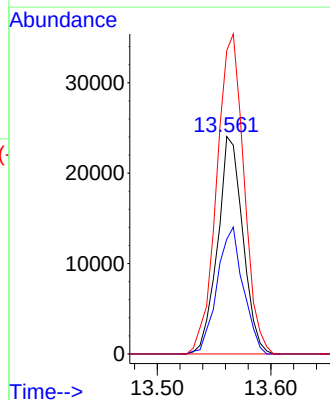
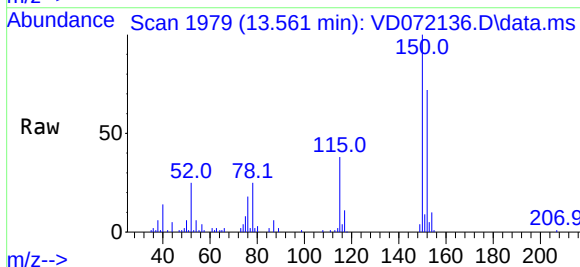
Instrument :
MSVOA_D
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

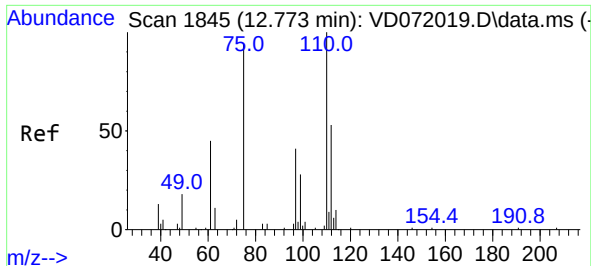
Tgt Ion:	117	Resp:	75826
Ion Ratio	Lower	Upper	
117	100		
82	62.1	45.4	68.0
119	33.3	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion:	152	Resp:	37121
Ion Ratio	Lower	Upper	
152	100		
115	60.3	29.9	89.7
150	158.8	0.0	347.6

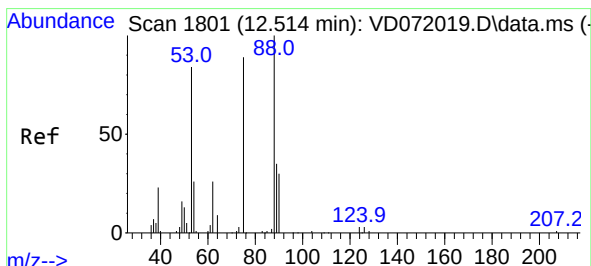
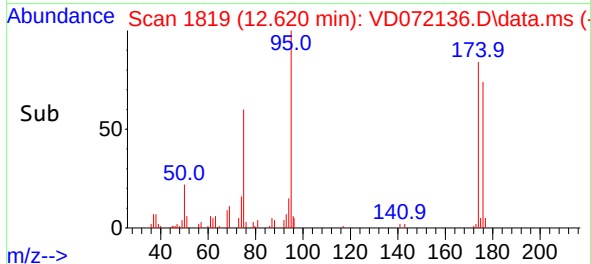
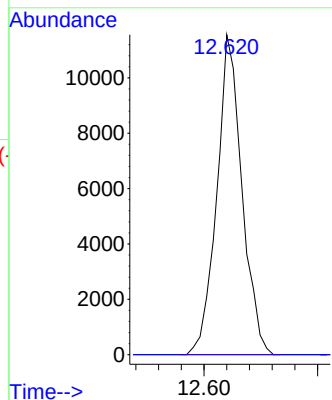
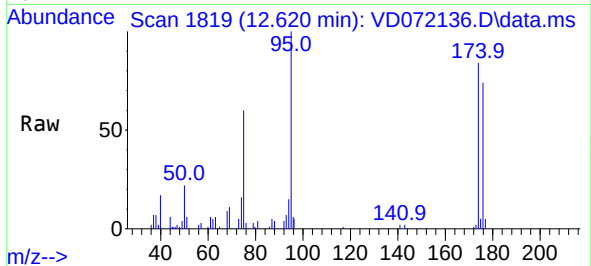




#76
1,2,3-Trichloropropane
Concen: 50.486 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

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

Tgt Ion: 75 Resp: 17752
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 126.429 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072136.D
Acq: 01 Mar 2022 13:36

Tgt Ion: 75 Resp: 17752
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.4#
89 0.0 36.4 54.6#

