

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032823\
 Data File : VN077239.D
 Acq On : 28 Mar 2023 16:06
 Operator : JC\MD
 Sample : 02105-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WV-SOIL2-0327

Quant Time: Mar 29 01:16:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

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

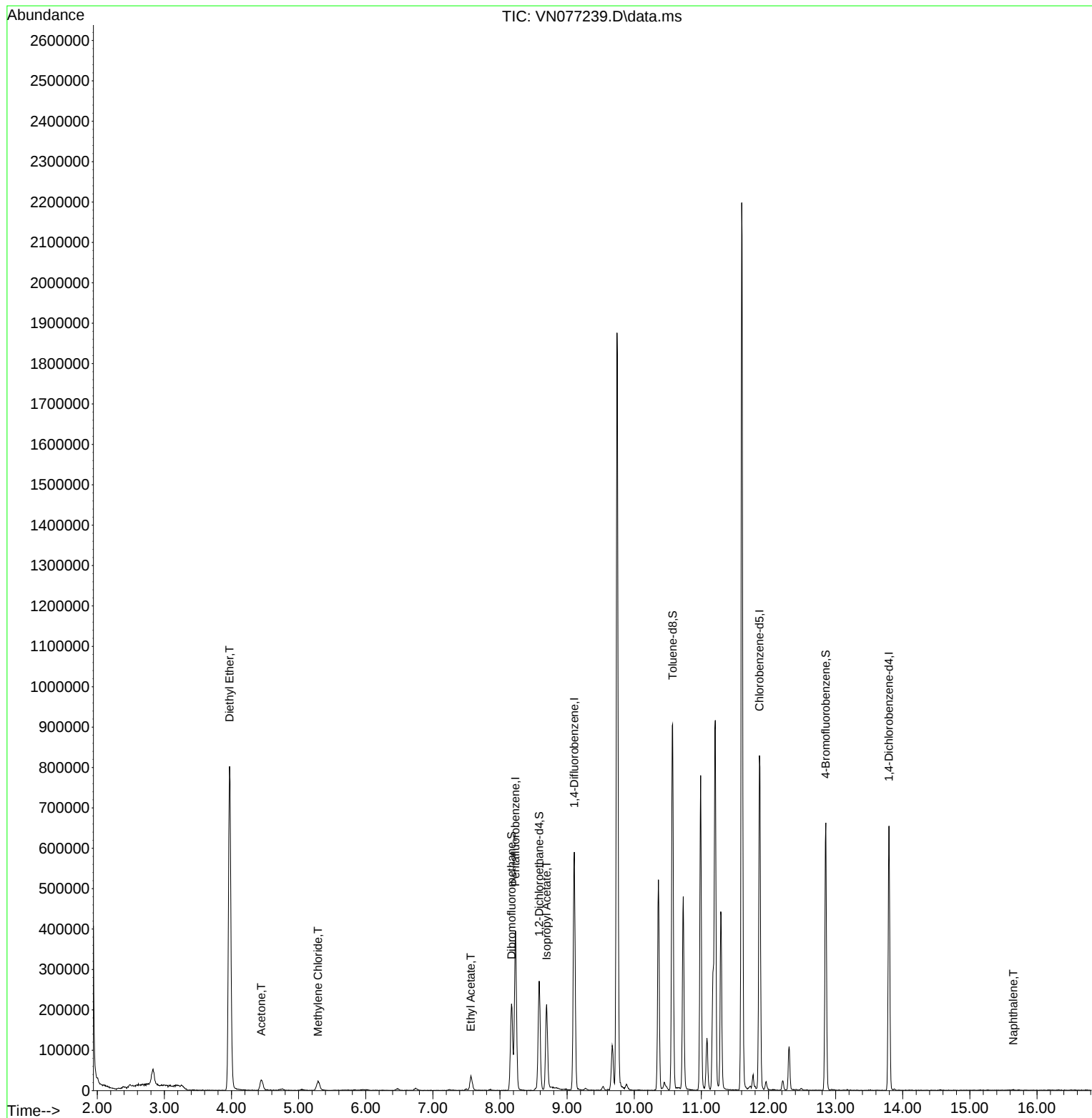
Internal Standards						
1) Pentafluorobenzene	8.231	168	262798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	461333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	437034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	155899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	208168	50.662	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.320%			
35) Dibromofluoromethane	8.172	113	143486	45.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.680%			
50) Toluene-d8	10.572	98	591480	50.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.854	95	195566	50.802	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.600%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.972	74	454623	207.362	ug/l	62
16) Acetone	4.443	43	53680	35.135	ug/l #	71
20) Methylene Chloride	5.290	84	16939	4.979	ug/l #	78
37) Ethyl Acetate	7.566	43	54743	11.273	ug/l #	92
43) Isopropyl Acetate	8.695	43	243715	31.108	ug/l #	76
95) Naphthalene	15.648	128	812	6.001	ug/l	98

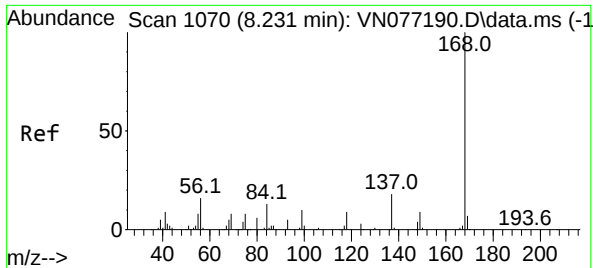
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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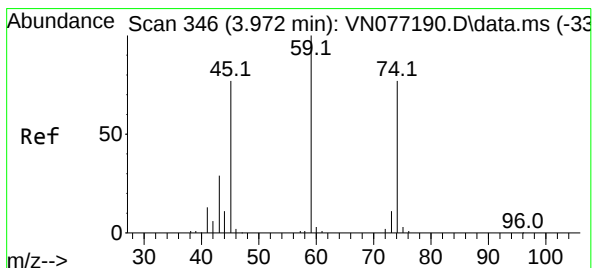
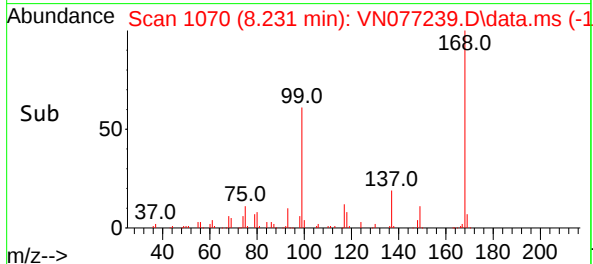
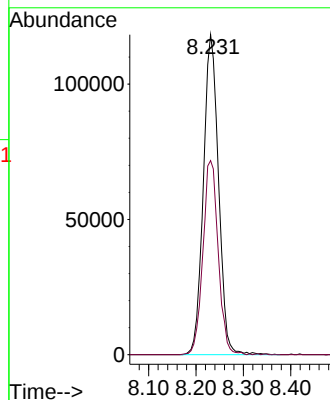
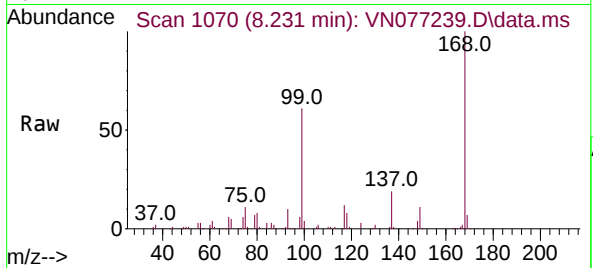




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

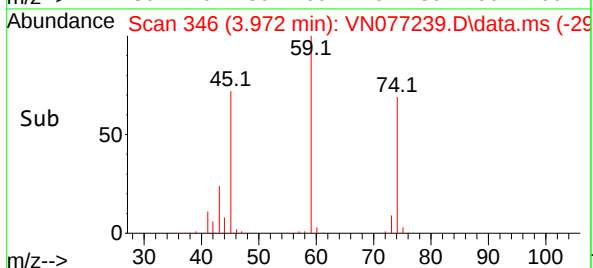
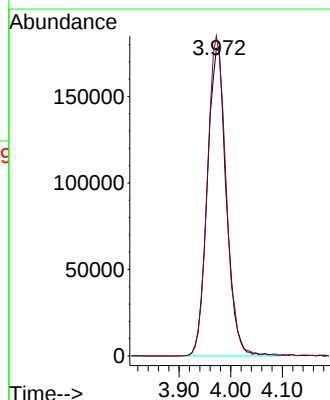
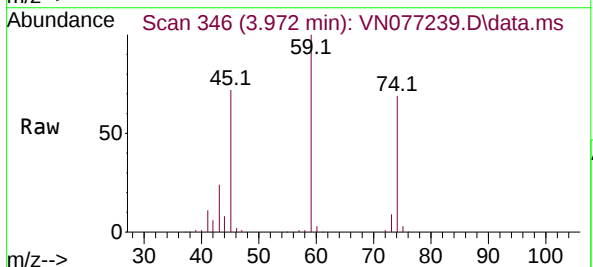
Instrument :
MSVOA_N
ClientSampleId :
WV-SOIL2-0327

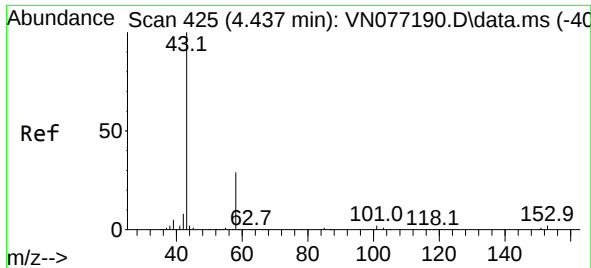
Tgt Ion:168 Resp: 262798
Ion Ratio Lower Upper
168 100
99 60.6 48.6 73.0



#8
Diethyl Ether
Concen: 207.362 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.000 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

Tgt Ion: 74 Resp: 454623
Ion Ratio Lower Upper
74 100
45 102.5 35.5 106.5

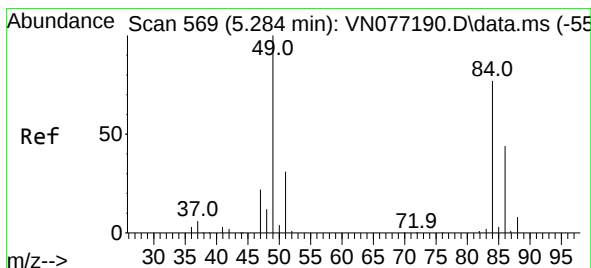
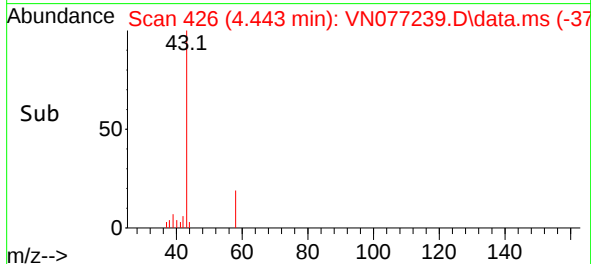
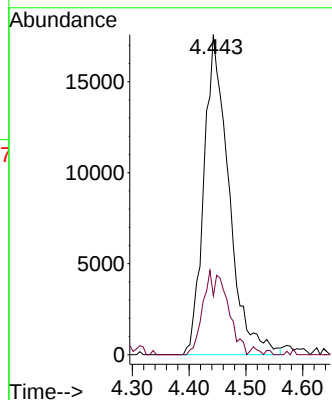
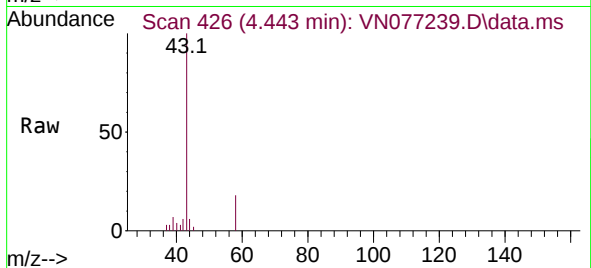




#16
Acetone
Concen: 35.135 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

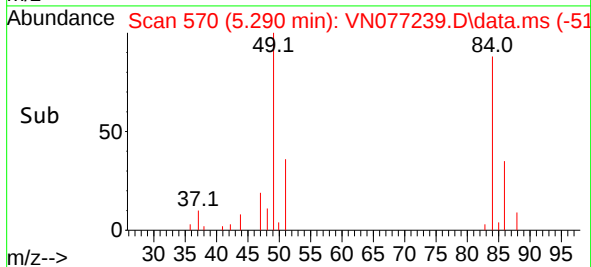
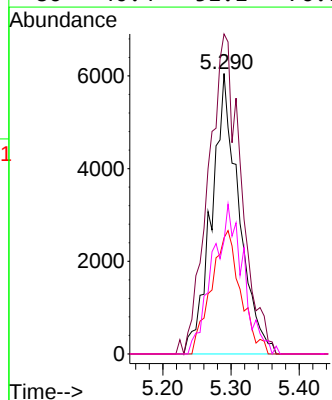
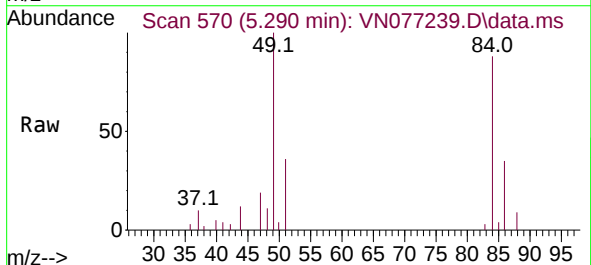
Instrument :
MSVOA_N
ClientSampleId :
WV-SOIL2-0327

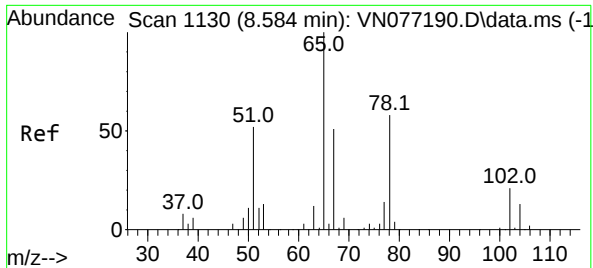
Tgt Ion: 43 Resp: 53680
Ion Ratio Lower Upper
43 100
58 18.3 28.2 42.2#



#20
Methylene Chloride
Concen: 4.979 ug/l
RT: 5.290 min Scan# 570
Delta R.T. 0.006 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

Tgt Ion: 84 Resp: 16939
Ion Ratio Lower Upper
84 100
49 114.1 76.6 114.8
51 41.4 25.4 38.2#
86 40.4 51.1 76.7#





#33

1,2-Dichloroethane-d4

Concen: 50.662 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077239.D

Acq: 28 Mar 2023 16:06

Instrument :

MSVOA_N

ClientSampleId :

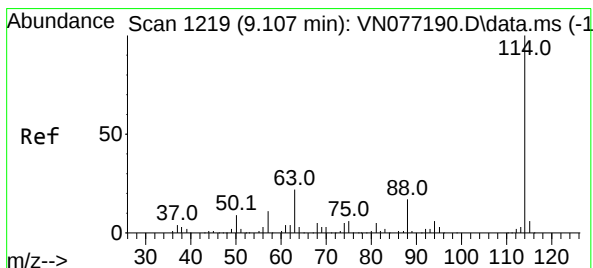
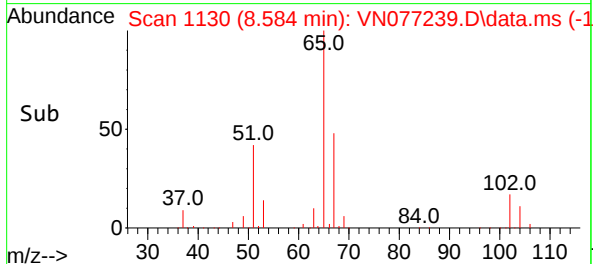
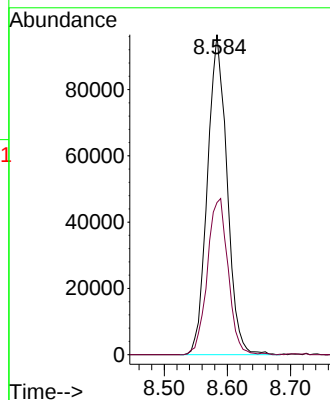
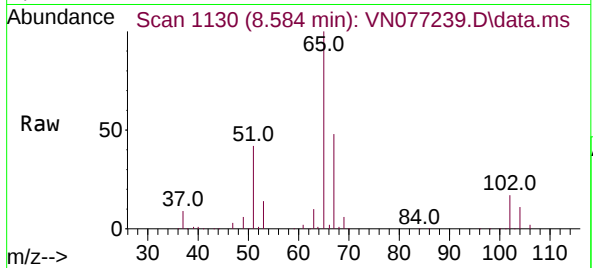
WV-SOIL2-0327

Tgt Ion: 65 Resp: 208168

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077239.D

Acq: 28 Mar 2023 16:06

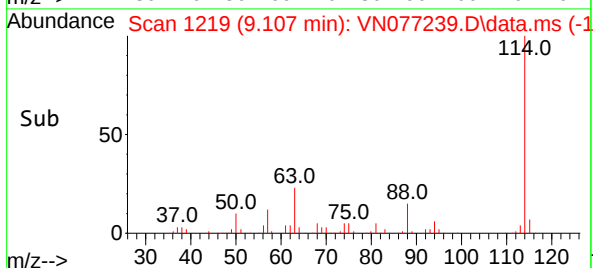
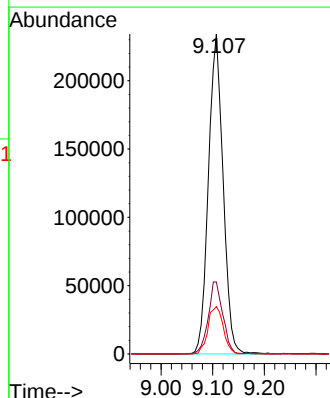
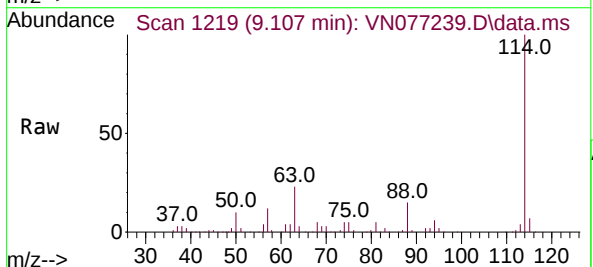
Tgt Ion: 114 Resp: 461333

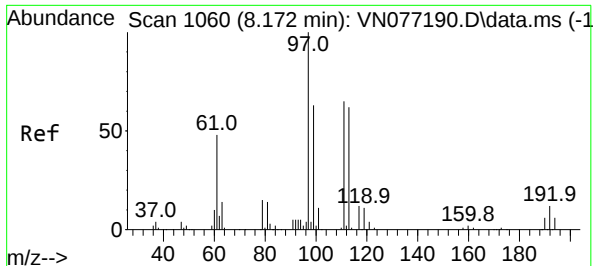
Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.6

88 14.8 0.0 28.6





#35

Dibromofluoromethane

Concen: 45.837 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077239.D

Acq: 28 Mar 2023 16:06

Instrument :

MSVOA_N

ClientSampleId :

WV-SOIL2-0327

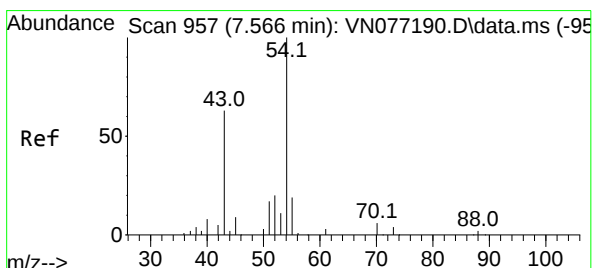
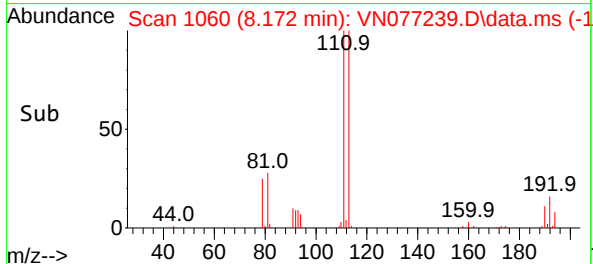
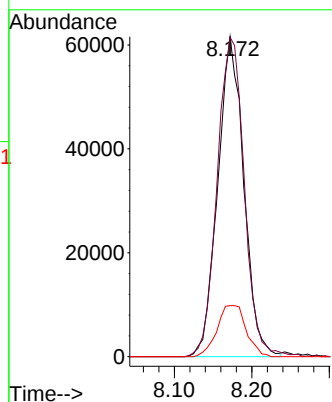
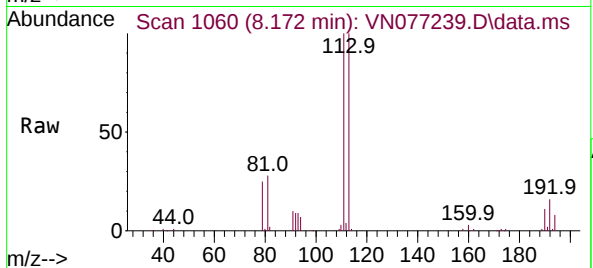
Tgt Ion:113 Resp: 143486

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

192 18.0 13.9 20.9



#37

Ethyl Acetate

Concen: 11.273 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077239.D

Acq: 28 Mar 2023 16:06

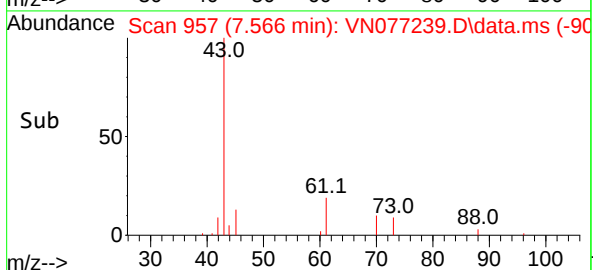
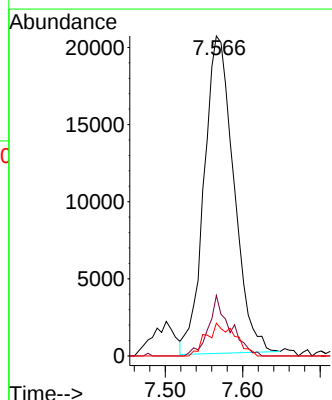
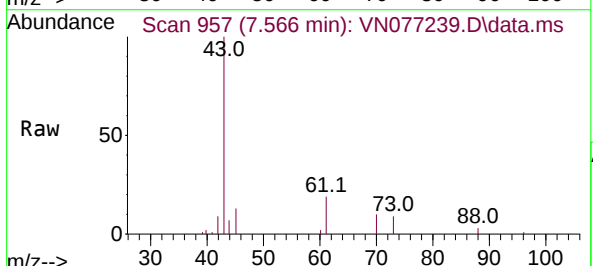
Tgt Ion: 43 Resp: 54743

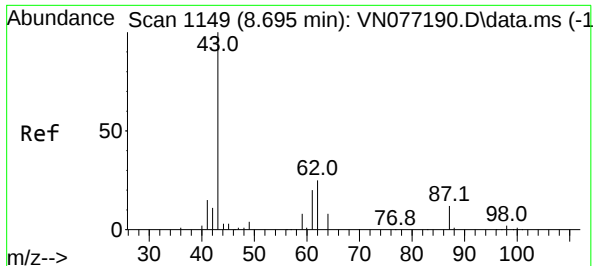
Ion Ratio Lower Upper

43 100

61 13.9 13.5 20.3

70 10.0 11.0 16.6#





#43

Isopropyl Acetate

Concen: 31.108 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077239.D

Acq: 28 Mar 2023 16:06

Instrument :

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WV-SOIL2-0327

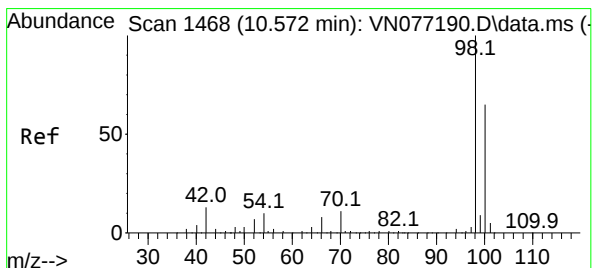
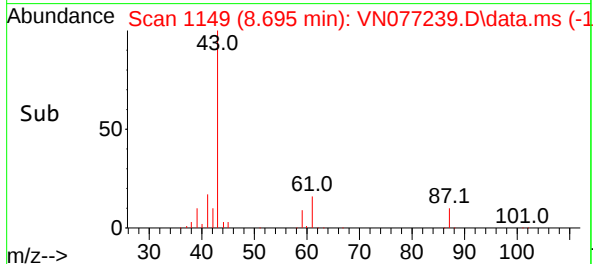
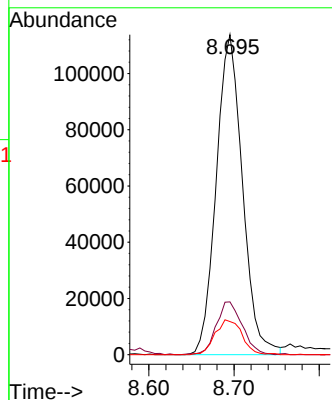
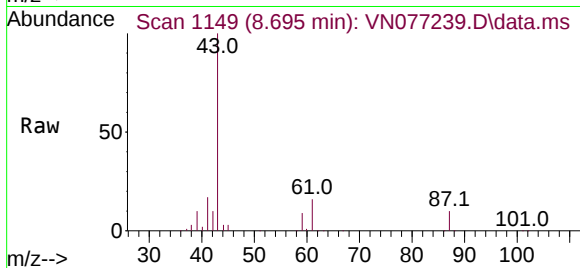
Tgt Ion: 43 Resp: 243715

Ion Ratio Lower Upper

43 100

61 16.3 26.2 39.2#

87 11.2 14.8 22.2#



#50

Toluene-d8

Concen: 50.426 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077239.D

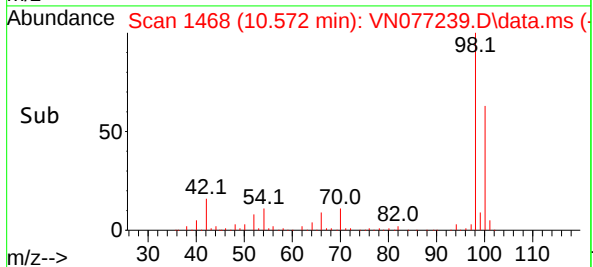
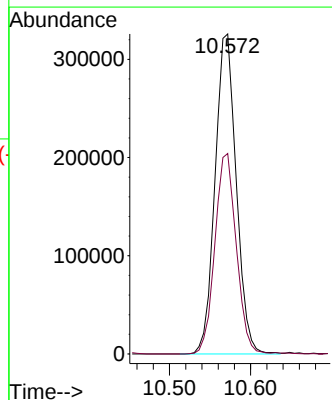
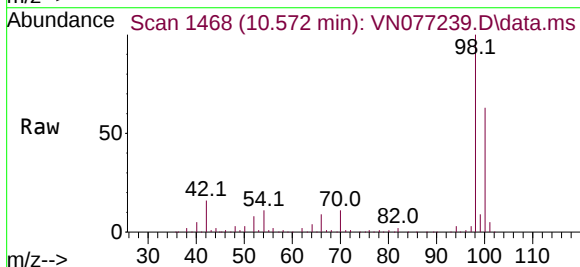
Acq: 28 Mar 2023 16:06

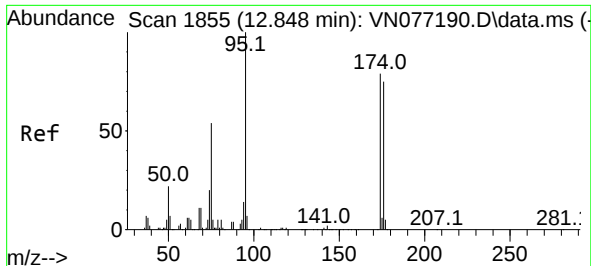
Tgt Ion: 98 Resp: 591480

Ion Ratio Lower Upper

98 100

100 63.1 52.8 79.2

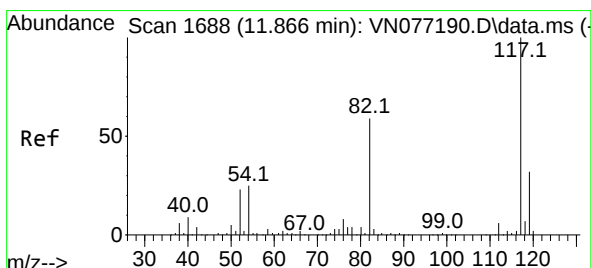
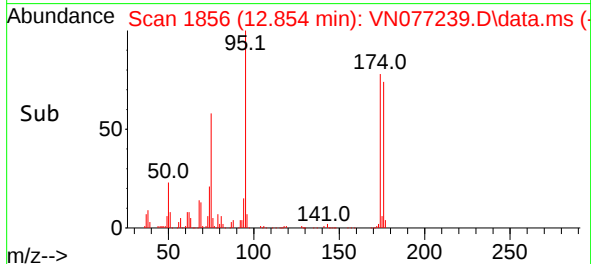
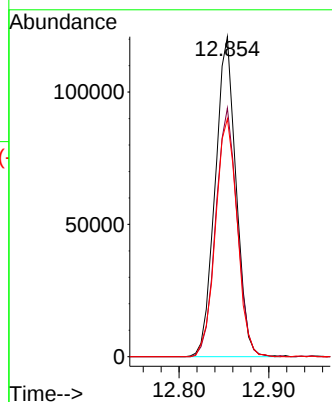
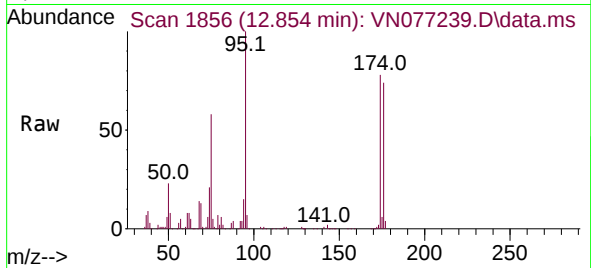




#62
4-Bromofluorobenzene
Concen: 50.802 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

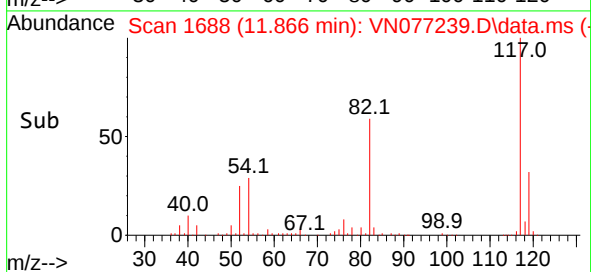
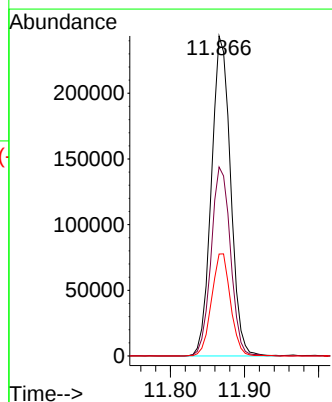
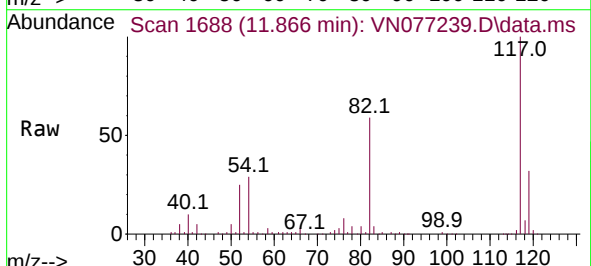
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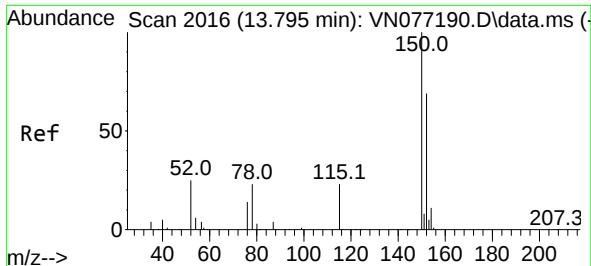
Tgt Ion:	95	Resp:	195566
Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	162.4
176	77.1	0.0	157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

Tgt Ion:	117	Resp:	437034
Ion	Ratio	Lower	Upper
117	100		
82	59.1	43.5	65.3
119	31.9	25.5	38.3

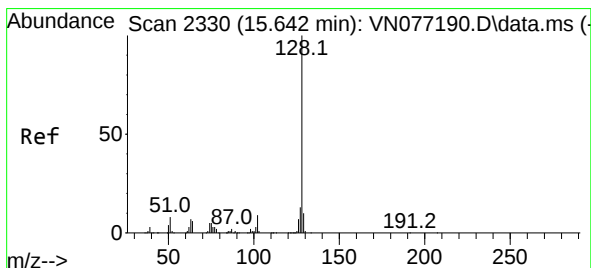
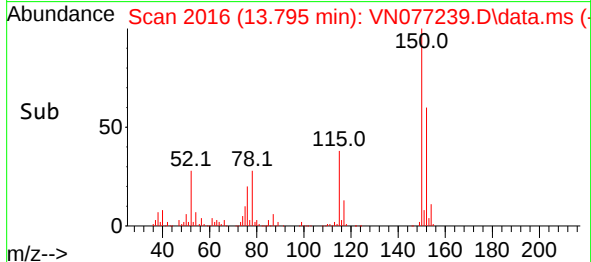
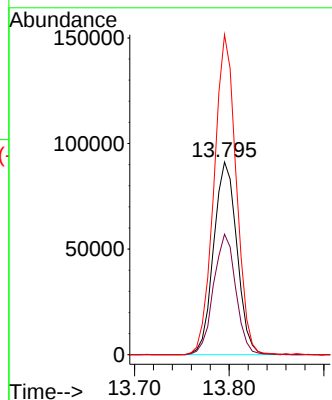
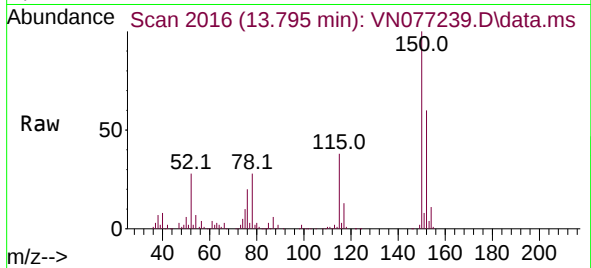




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :
WV-SOIL2-0327

Tgt Ion:152 Resp: 155899
Ion Ratio Lower Upper
152 100
115 60.0 30.3 90.9
150 158.8 0.0 353.6



#95
Naphthalene
Concen: 6.001 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077239.D
Acq: 28 Mar 2023 16:06

Tgt Ion:128 Resp: 812
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 9.9 8.9 13.3

