

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082239.D
 Acq On : 21 May 2024 14:40
 Operator : JC\MD
 Sample : P2532-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: May 22 01:27:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

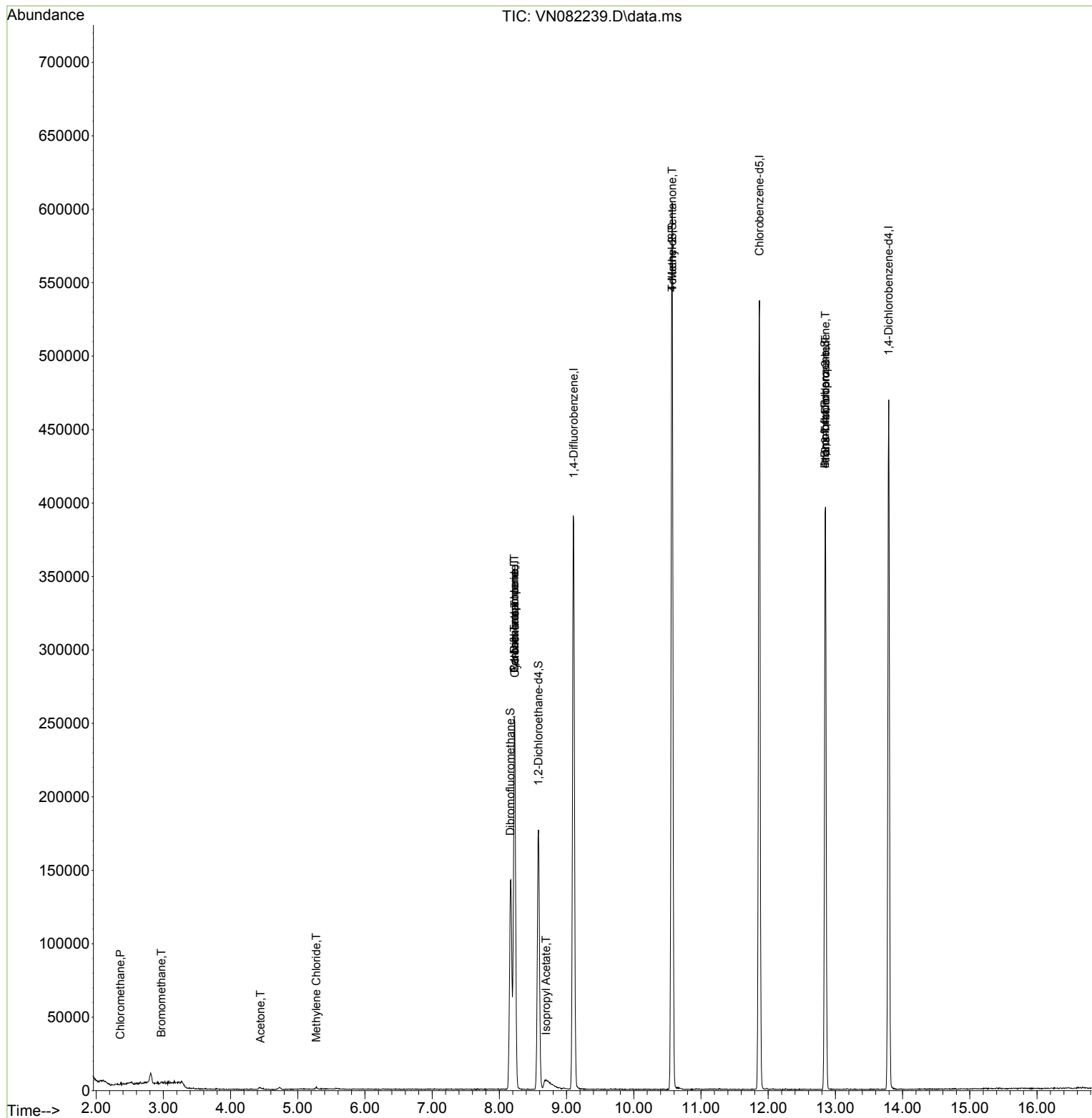
Internal Standards						
1) Pentafluorobenzene	8.224	168	176550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	309040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	284141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	146292	52.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.960%			
35) Dibromofluoromethane	8.165	113	101324	53.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.600%			
50) Toluene-d8	10.571	98	392602	53.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.740%			
62) 4-Bromofluorobenzene	12.847	95	130149	50.029	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.060%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	714	0.248	ug/l #	43
5) Bromomethane	2.971	94	533	0.342	ug/l #	60
16) Acetone	4.447	43	2874	2.513	ug/l	89
20) Methylene Chloride	5.277	84	614	0.266	ug/l #	73
31) Cyclohexane	8.230	56	5198	1.167	ug/l #	56
36) 1,1-Dichloropropene	8.224	75	16585	5.202	ug/l #	48
38) Carbon Tetrachloride	8.224	117	18507	5.726	ug/l #	17
43) Isopropyl Acetate	8.694	43	8638	1.366	ug/l #	52
51) 4-Methyl-2-Pentanone	10.571	43	2732	0.761	ug/l #	1
71) Bromoform	12.847	173	838	1.203	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	75553	31.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75553	72.524	ug/l #	12

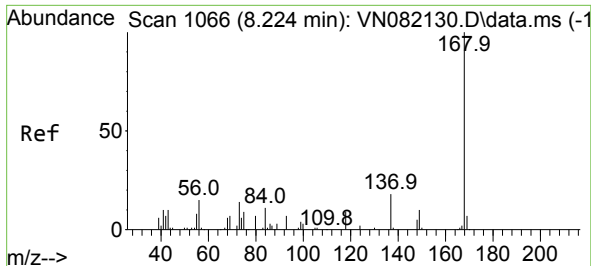
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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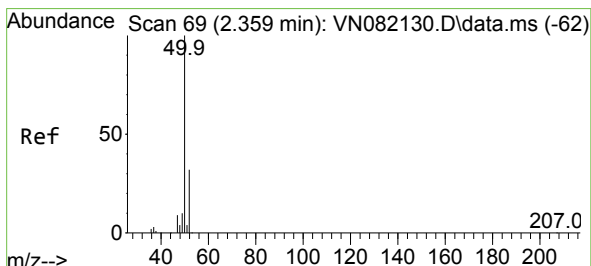
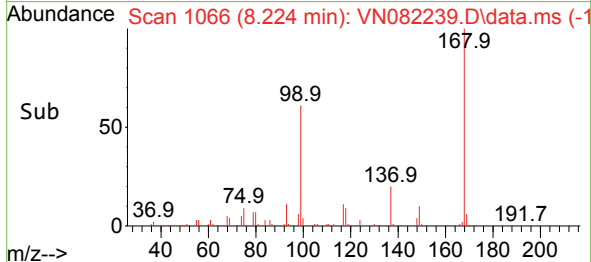
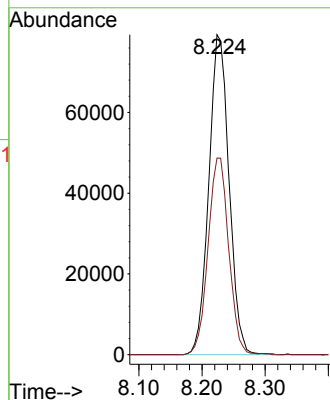
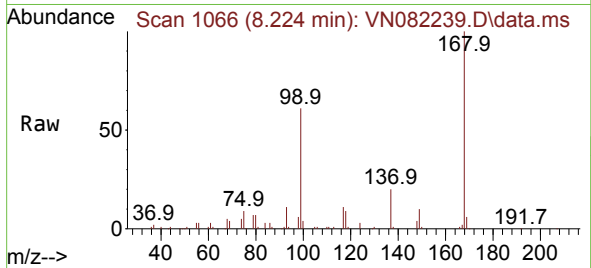




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

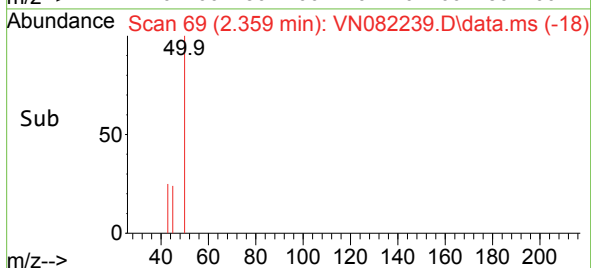
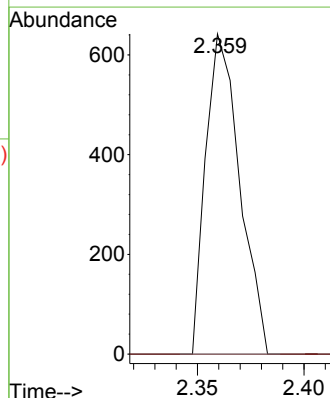
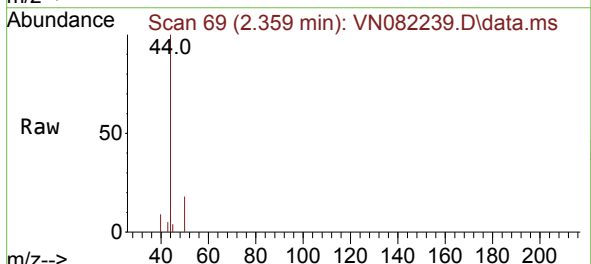
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

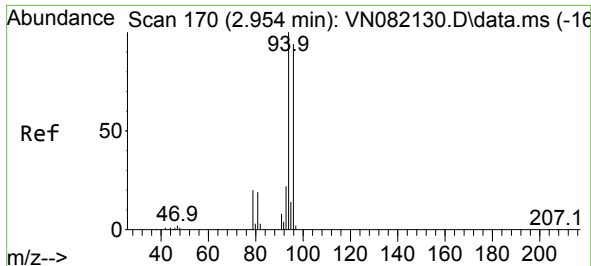
Tgt Ion:168 Resp: 176550
Ion Ratio Lower Upper
168 100
99 61.4 48.2 72.4



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

Tgt Ion: 50 Resp: 714
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

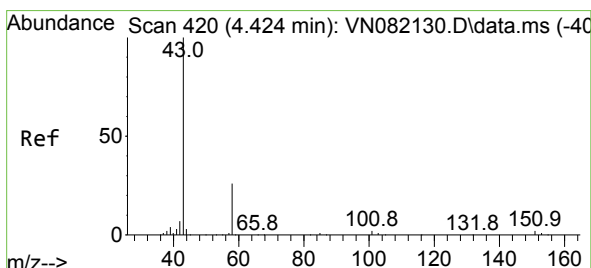
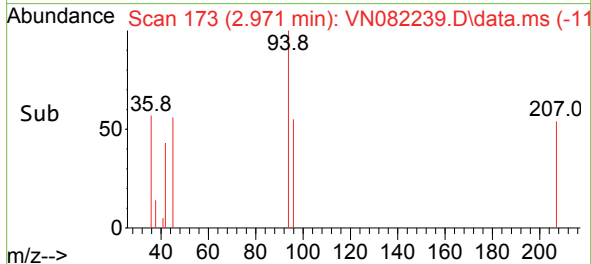
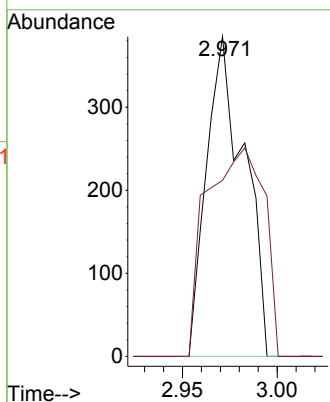
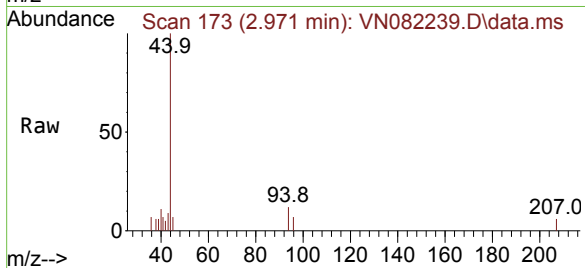




#5
Bromomethane
Concen: 0.342 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

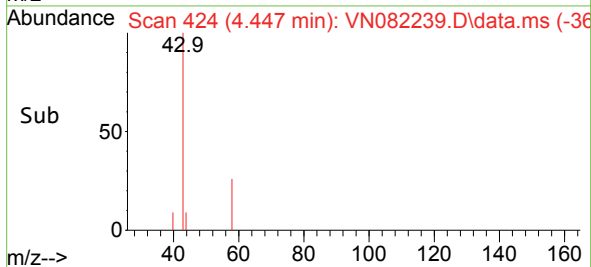
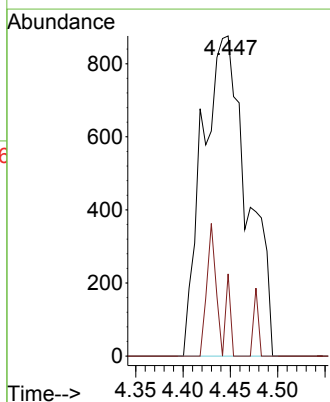
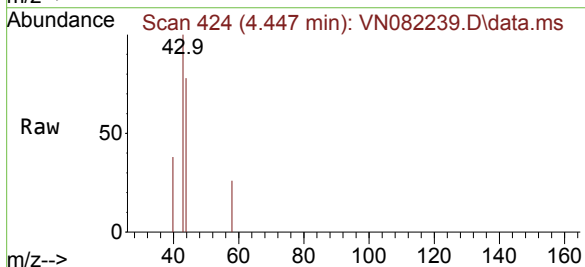
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 94 Resp: 533
Ion Ratio Lower Upper
94 100
96 55.1 74.8 112.2#



#16
Acetone
Concen: 2.513 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

Tgt Ion: 43 Resp: 2874
Ion Ratio Lower Upper
43 100
58 25.7 25.2 37.8

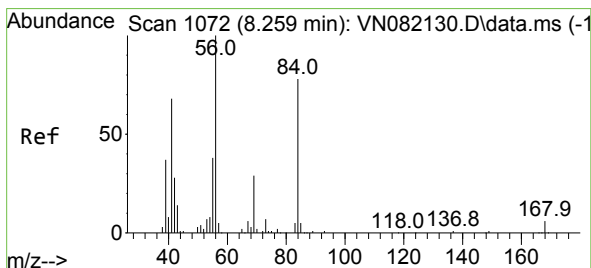
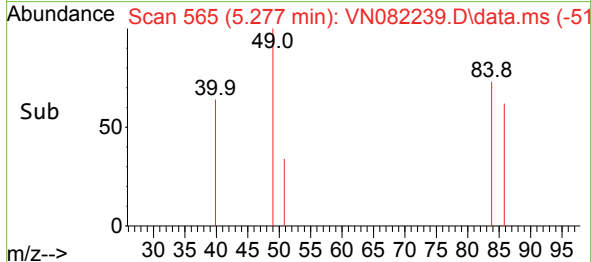
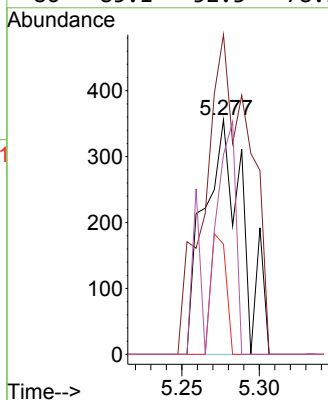
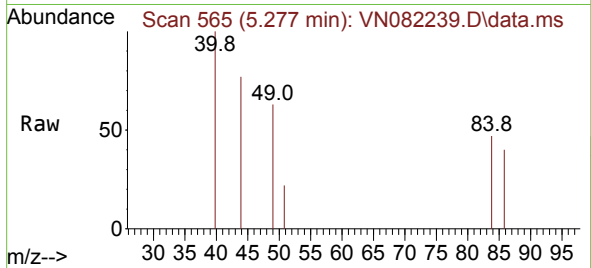




#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

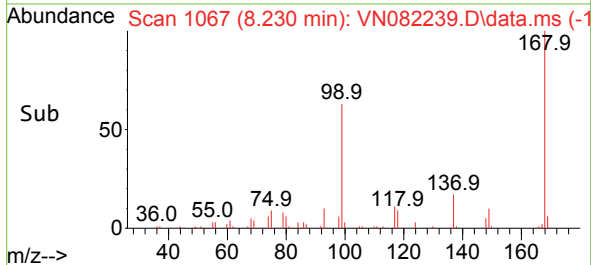
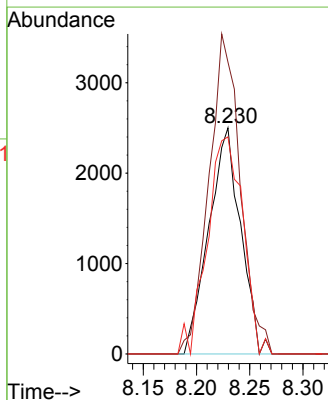
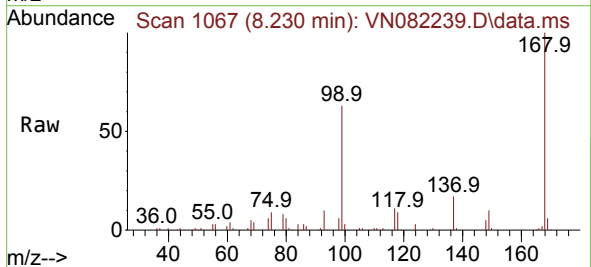
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

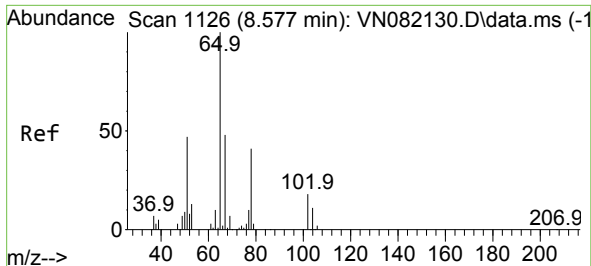
Tgt Ion:	84	Resp:	614
Ion	Ratio	Lower	Upper
84	100		
49	136.2	84.9	127.3#
51	46.9	27.0	40.6#
86	85.1	52.3	78.5#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

Tgt Ion:	56	Resp:	5198
Ion	Ratio	Lower	Upper
56	100		
69	129.0	24.4	36.6#
84	96.0	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 52.476 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

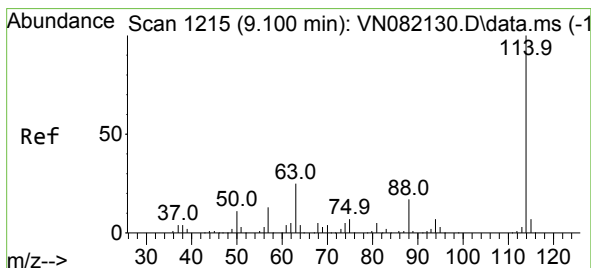
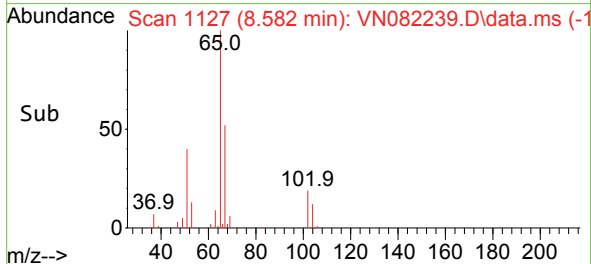
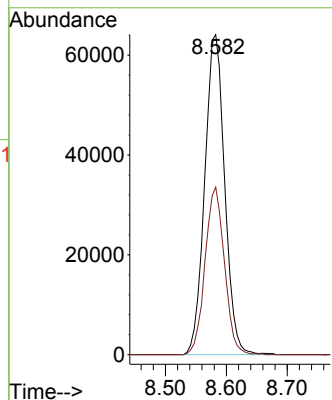
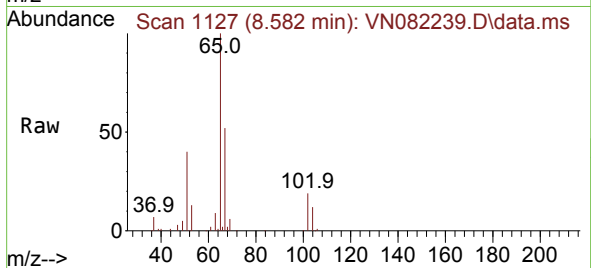
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 146292

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

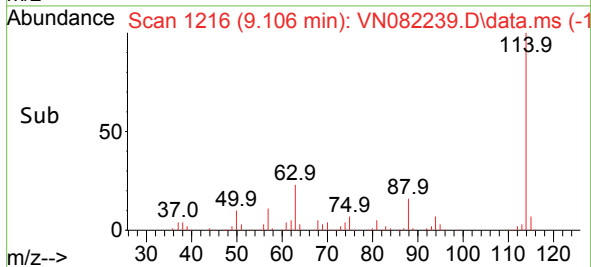
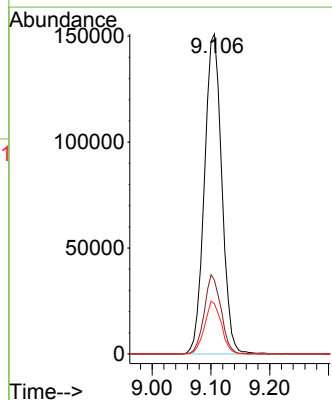
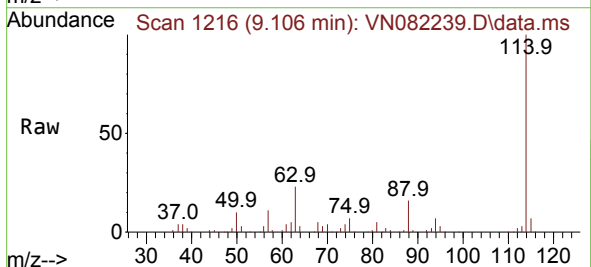
Tgt Ion: 114 Resp: 309040

Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.0

88 15.7 0.0 31.4

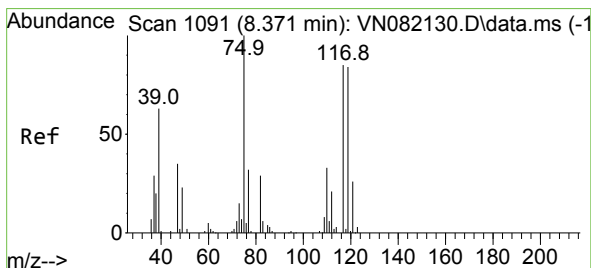
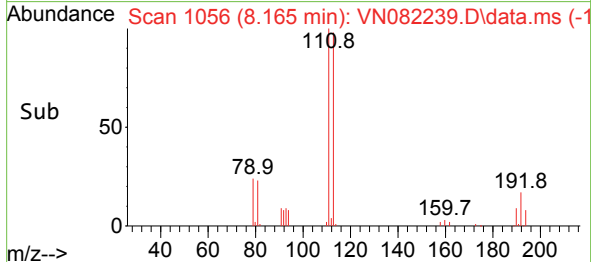
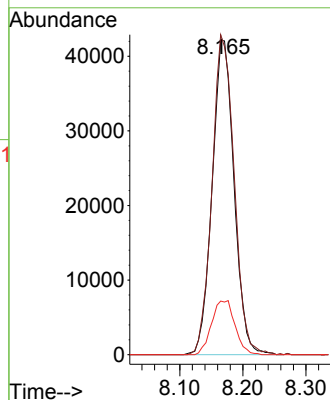
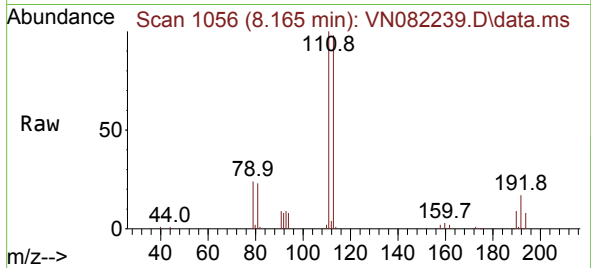




#35
Dibromofluoromethane
Concen: 53.298 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

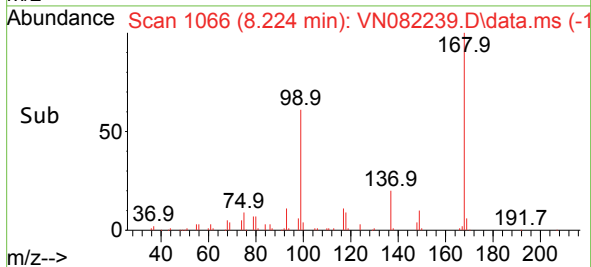
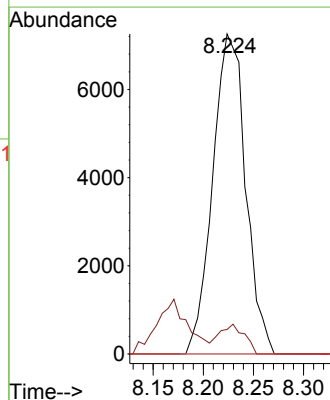
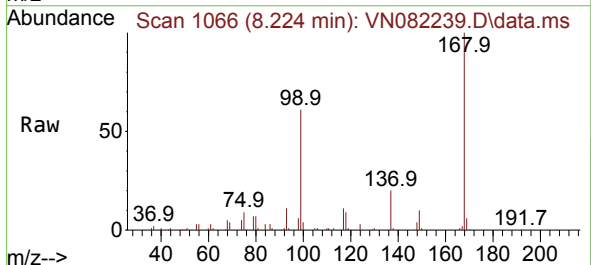
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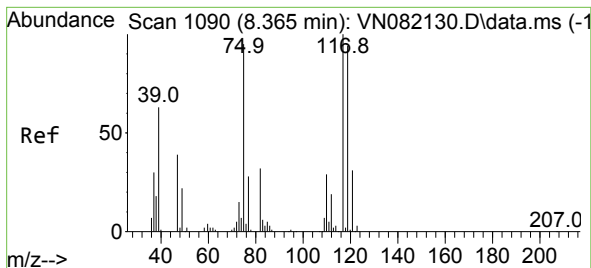
Tgt Ion:113 Resp: 101324
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 18.4 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

Tgt Ion: 75 Resp: 16585
Ion Ratio Lower Upper
75 100
110 7.1 17.8 53.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.726 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082239.D

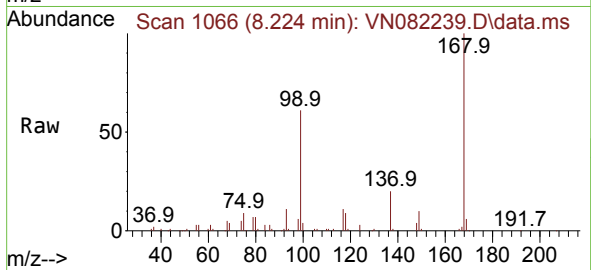
Acq: 21 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



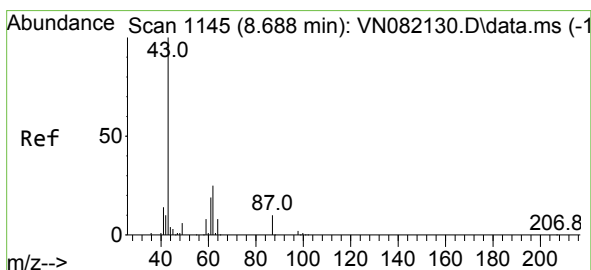
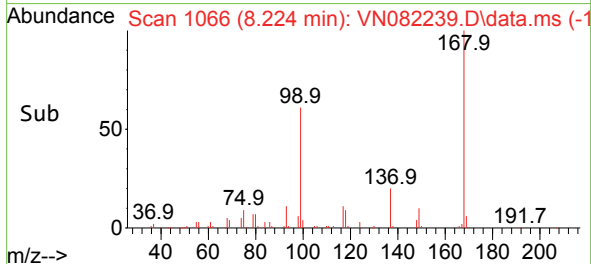
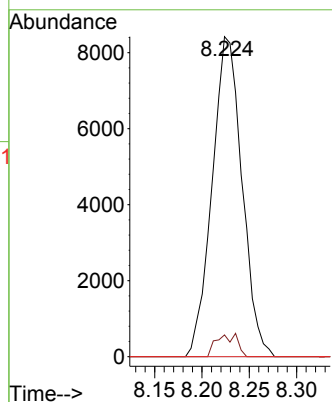
Tgt Ion:117 Resp: 18507

Ion Ratio Lower Upper

117 100

119 6.8 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 1.366 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

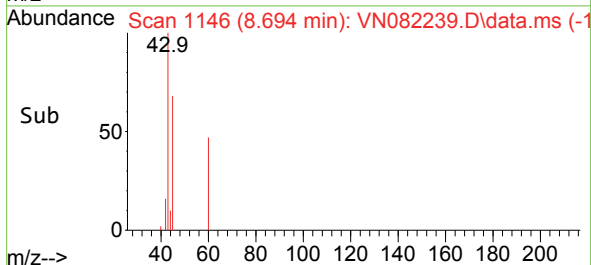
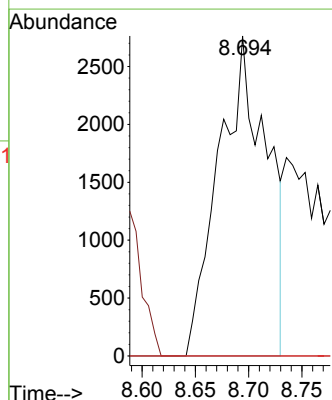
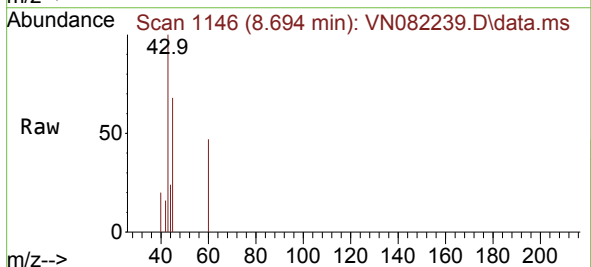
Tgt Ion: 43 Resp: 8638

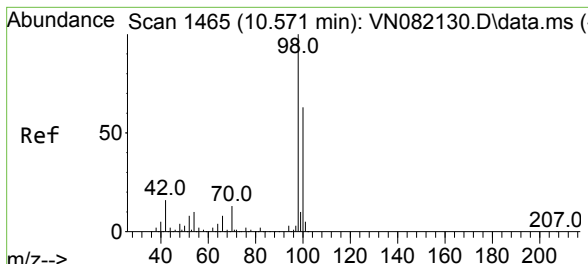
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

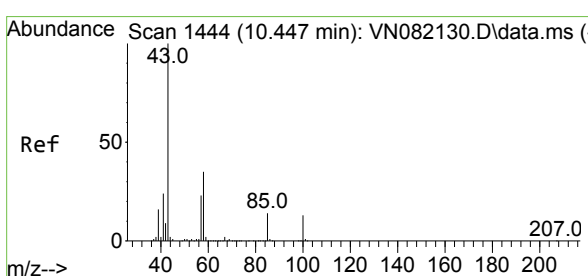
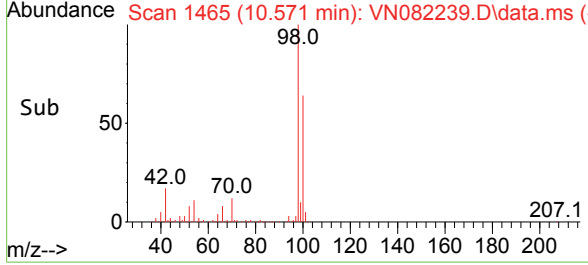
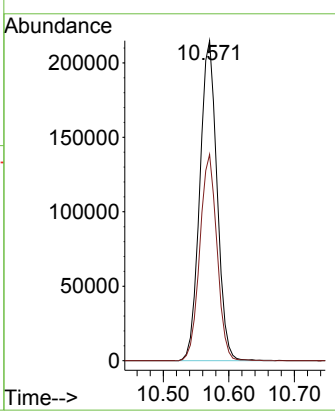
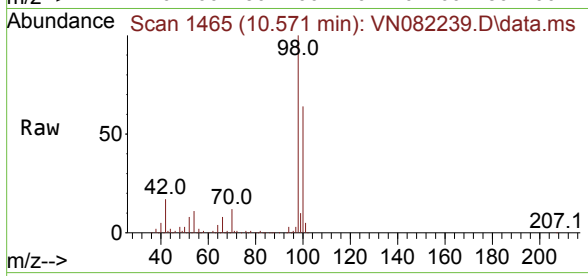




#50
Toluene-d8
Concen: 53.865 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

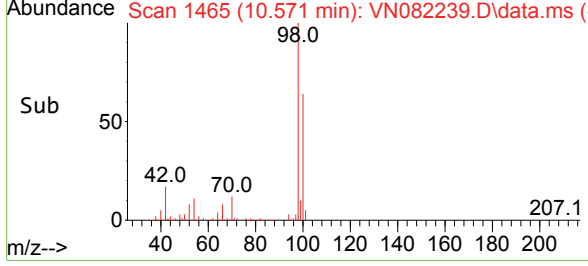
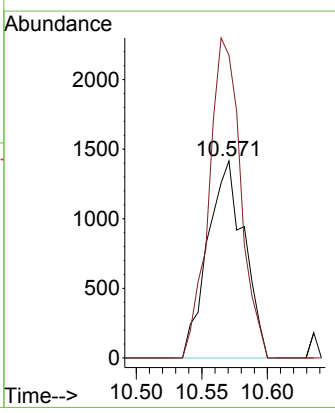
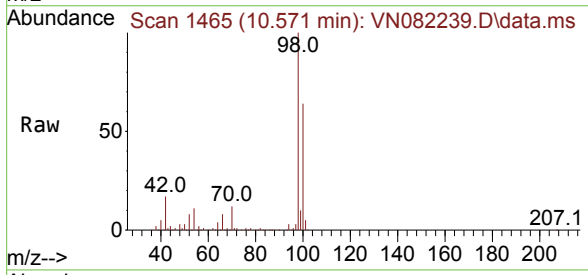
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

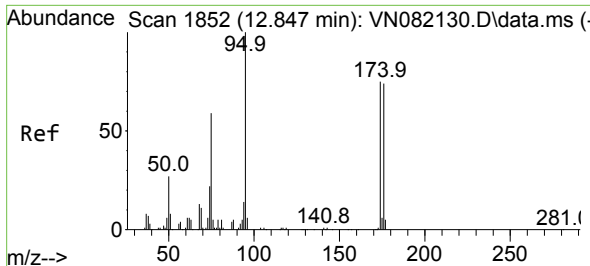
Tgt Ion:	98	Resp:	392602
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.8	77.6



#51
4-Methyl-2-Pentanone
Concen: 0.761 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

Tgt Ion:	43	Resp:	2732
Ion Ratio	Lower	Upper	
43	100		
58	141.7	33.2	49.8#

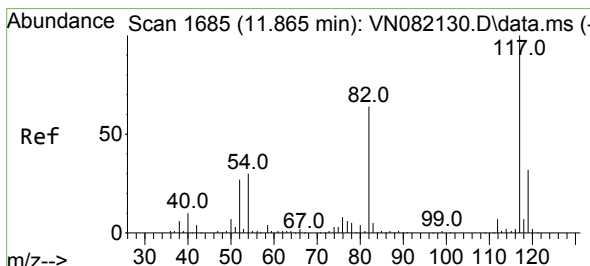
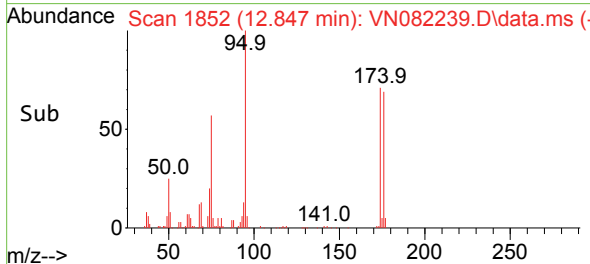
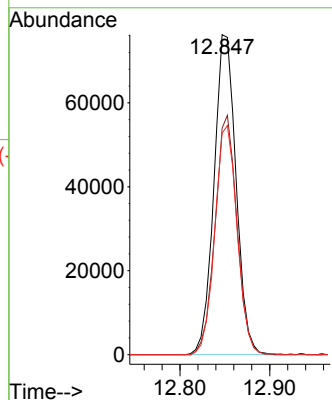
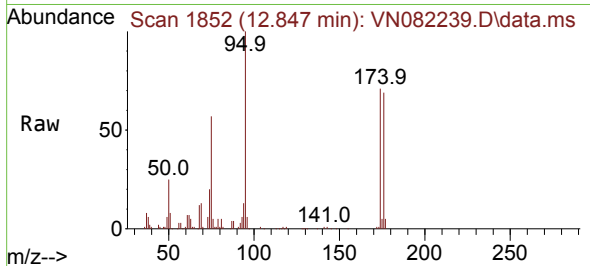




#62
4-Bromofluorobenzene
Concen: 50.029 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

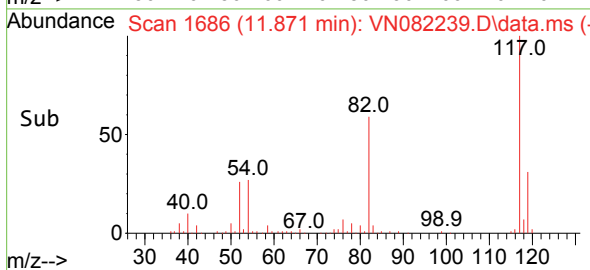
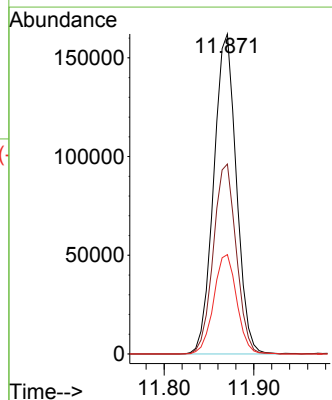
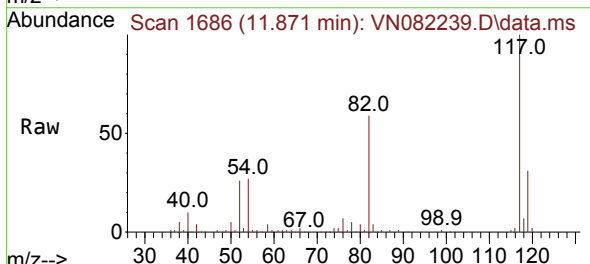
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

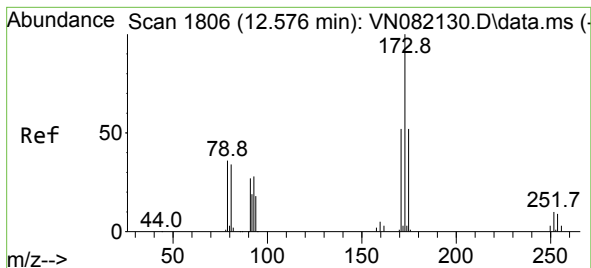
Tgt Ion: 95 Resp: 130149
Ion Ratio Lower Upper
95 100
174 74.2 0.0 160.6
176 72.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082239.D
Acq: 21 May 2024 14:40

Tgt Ion: 117 Resp: 284141
Ion Ratio Lower Upper
117 100
82 59.4 44.6 66.8
119 31.1 25.9 38.9





#71

Bromoform

Concen: 1.203 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

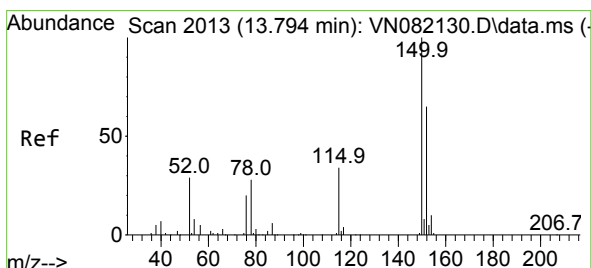
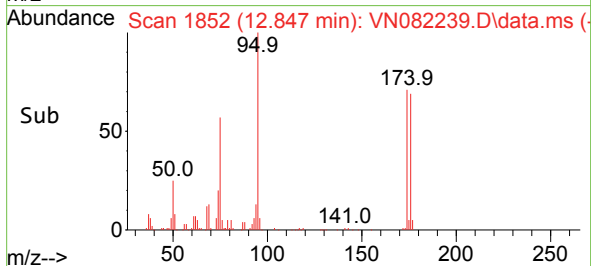
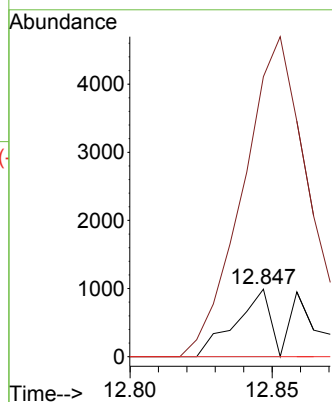
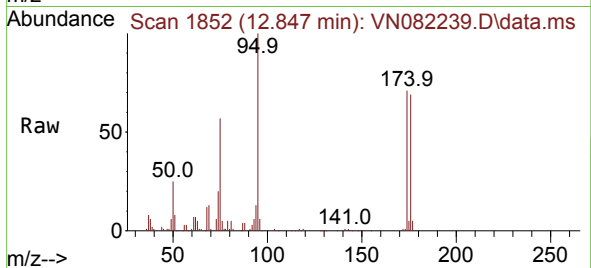
Tgt Ion:173 Resp: 838

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

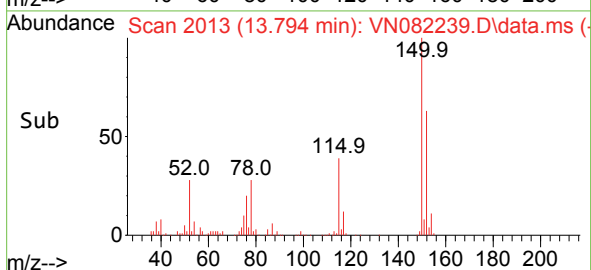
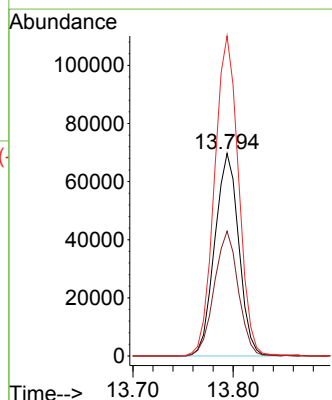
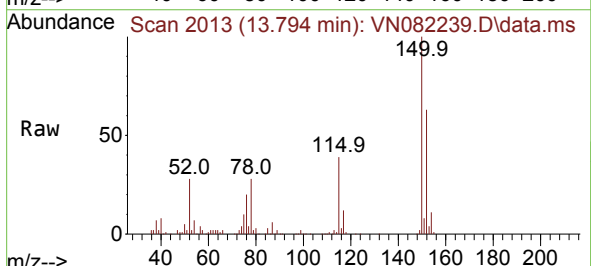
Tgt Ion:152 Resp: 115769

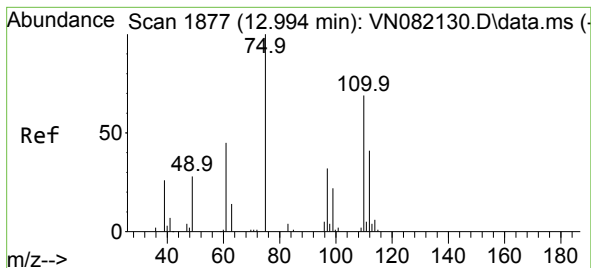
Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.3

150 158.5 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 31.007 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

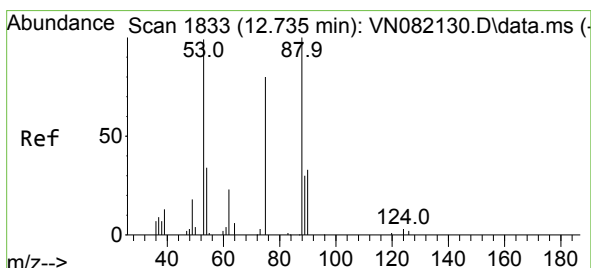
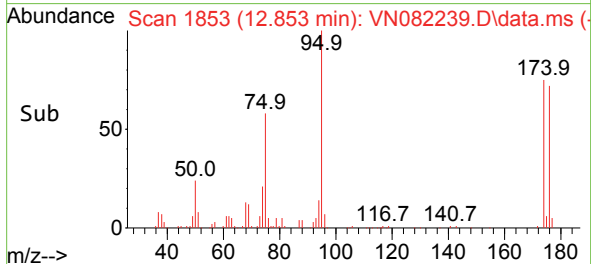
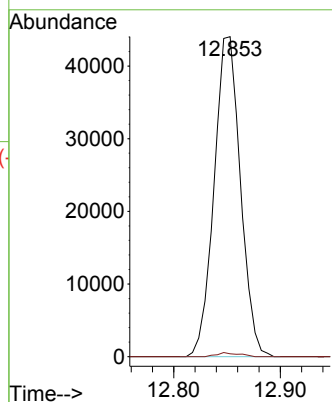
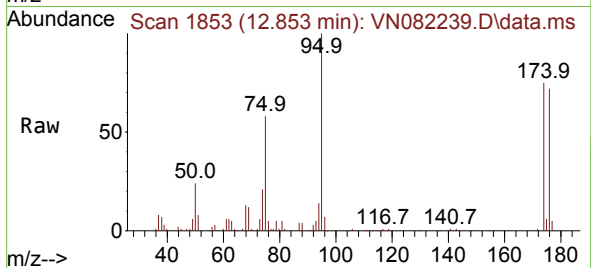
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 75553

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.524 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082239.D

Acq: 21 May 2024 14:40

Tgt Ion: 75 Resp: 75553

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

