

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079668.D
 Acq On : 24 Oct 2023 19:37
 Operator : JC\MD
 Sample : 05029-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 231010082-41

Quant Time: Oct 25 02:09:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

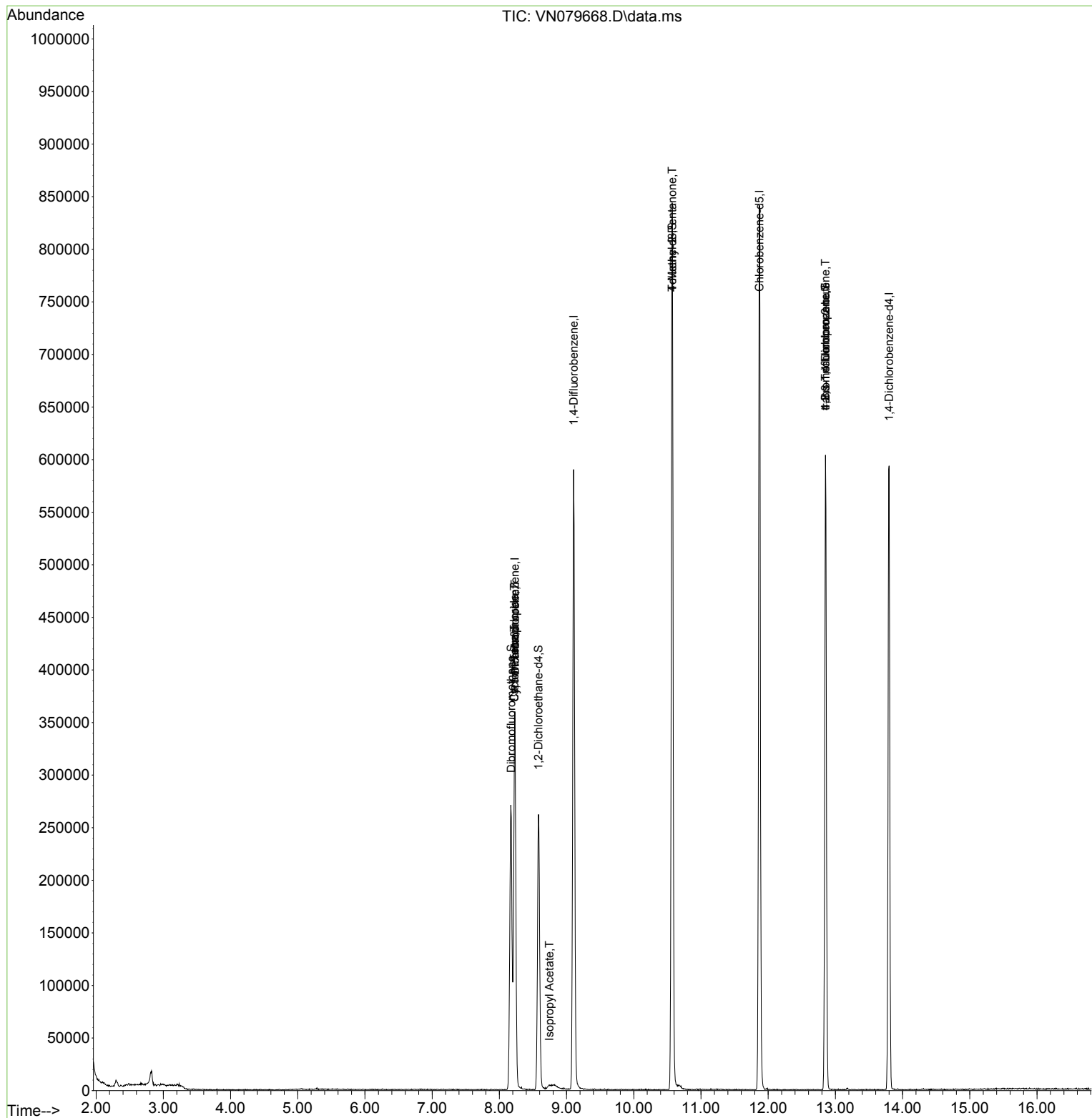
Internal Standards						
1) Pentafluorobenzene	8.229	168	251243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	491202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	483640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	155751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	213249	52.348	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.700%			
35) Dibromofluoromethane	8.177	113	190599	53.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.980%			
50) Toluene-d8	10.571	98	576328	45.123	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.240%			
62) 4-Bromofluorobenzene	12.853	95	200587	48.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.880%			
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.289	84	85	Below Cal	#	64
31) Cyclohexane	8.224	56	6740	1.166	ug/l #	59
36) 1,1-Dichloropropene	8.235	75	23215	4.382	ug/l #	47
38) Carbon Tetrachloride	8.224	117	27025	5.095	ug/l #	15
43) Isopropyl Acetate	8.747	43	3671	0.397	ug/l #	49
51) 4-Methyl-2-Pentanone	10.571	43	2637	0.506	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.859	83	199	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	112215	24.988	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112215	72.504	ug/l #	15

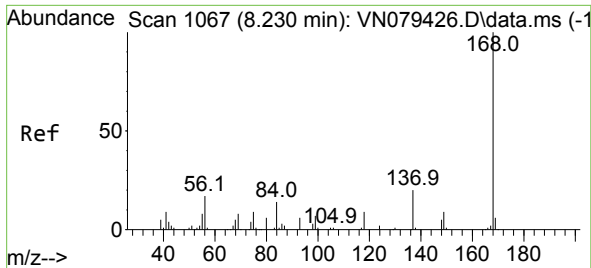
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\  
Data File : VN079668.D  
Acq On    : 24 Oct 2023   19:37  
Operator  : JC\MD  
Sample    : 05029-01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 16   Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
231010082-41

Quant Time: Oct 25 02:09:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MMSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration

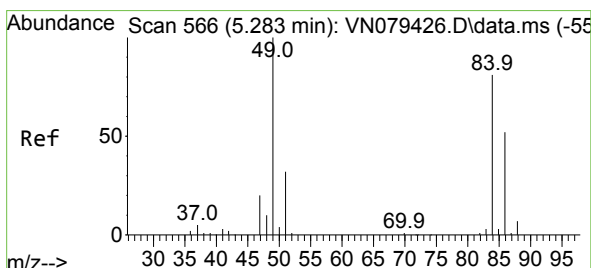
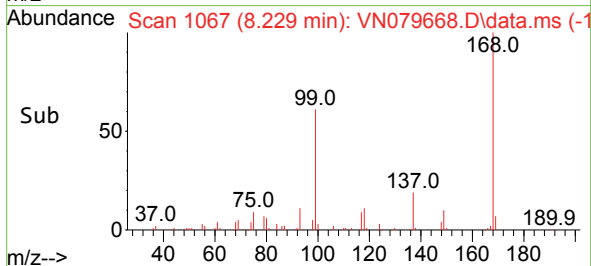
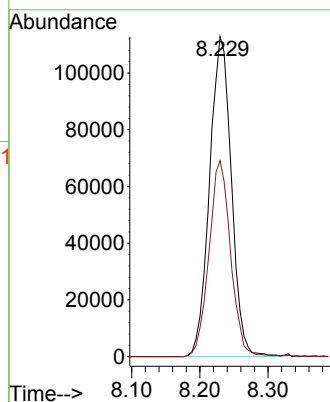
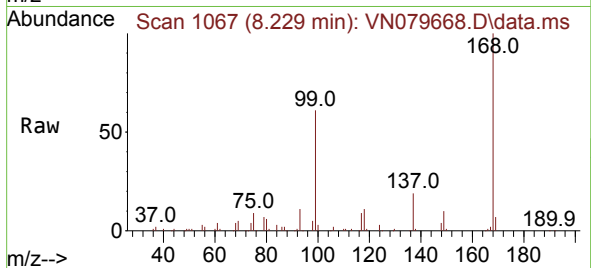




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

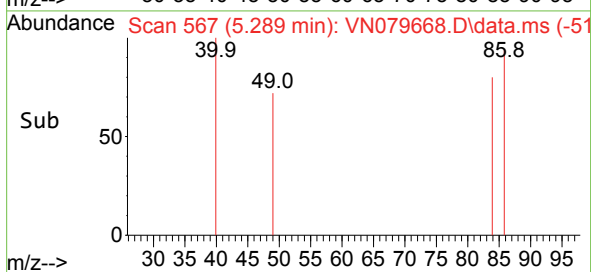
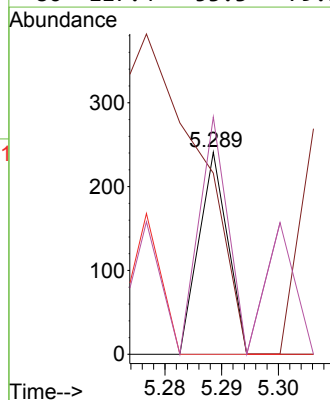
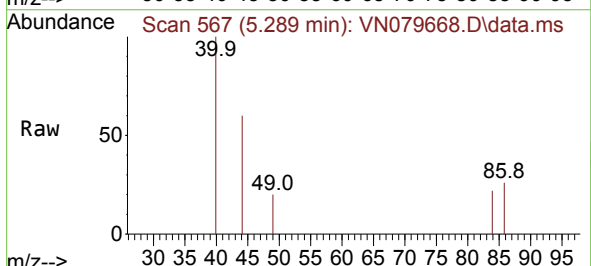
Instrument :
MSVOA_N
ClientSampleId :
231010082-41

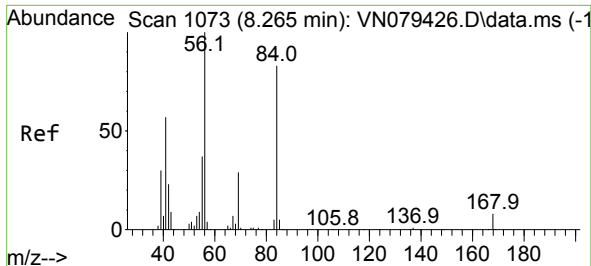
Tgt Ion:168 Resp: 251243
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

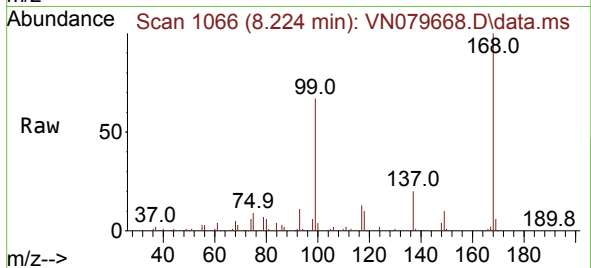
Tgt Ion: 84 Resp: 85
Ion Ratio Lower Upper
84 100
49 89.6 79.7 119.5
51 0.0 25.2 37.8#
86 117.4 53.3 79.9#



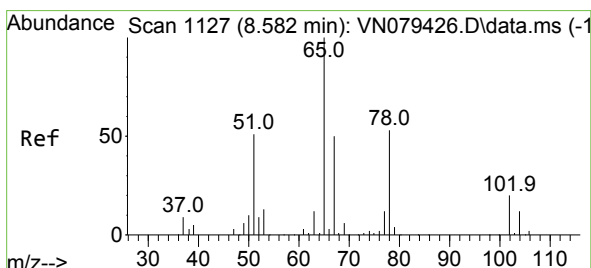
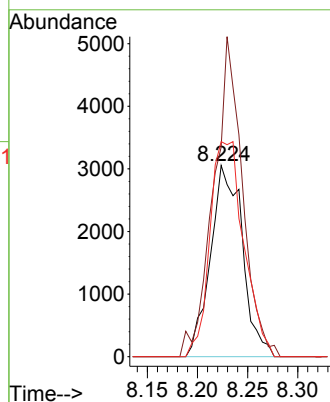
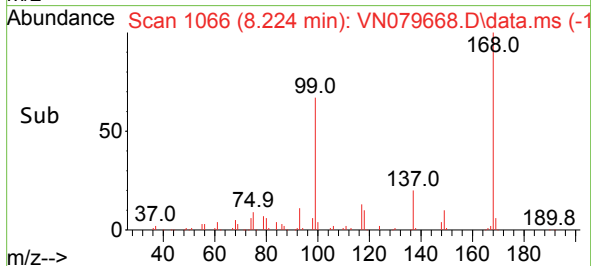


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Instrument :
MSVOA_N
ClientSampleId :
231010082-41

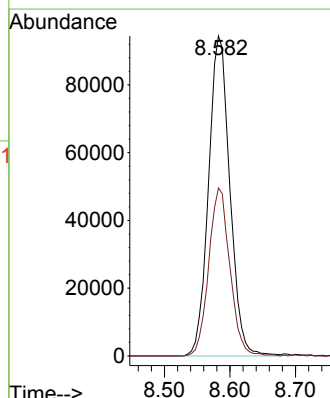
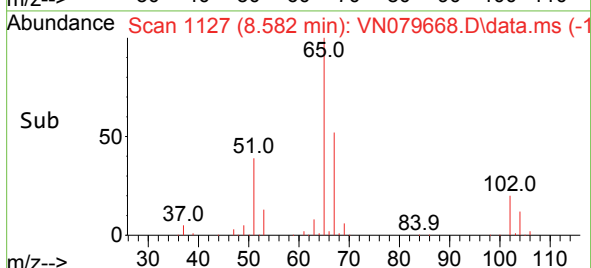
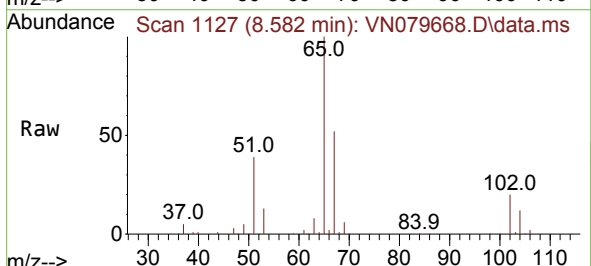


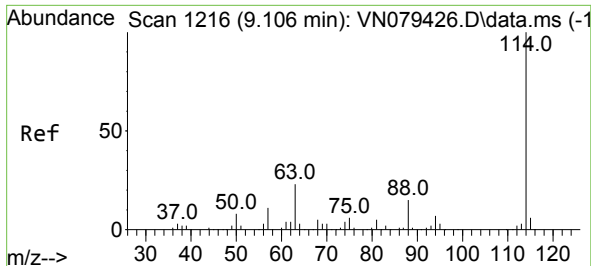
Tgt Ion: 56 Resp: 6740
Ion Ratio Lower Upper
56 100
69 109.6 26.8 40.2#
84 112.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.348 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Tgt Ion: 65 Resp: 213249
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :

231010082-41

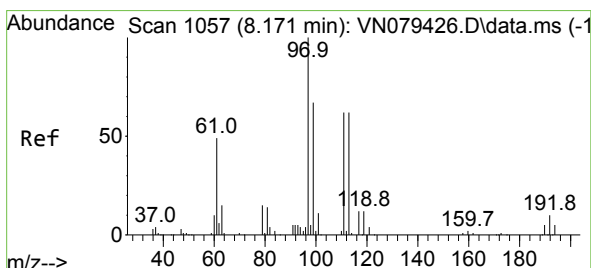
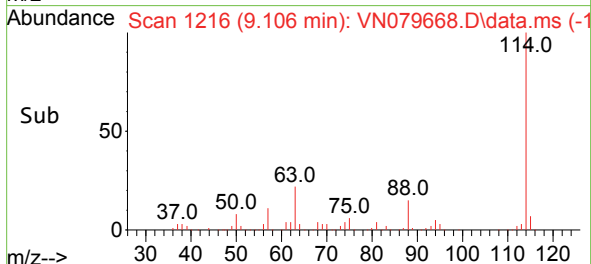
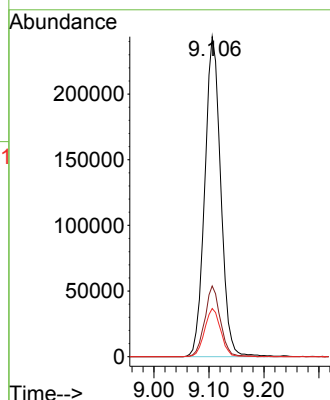
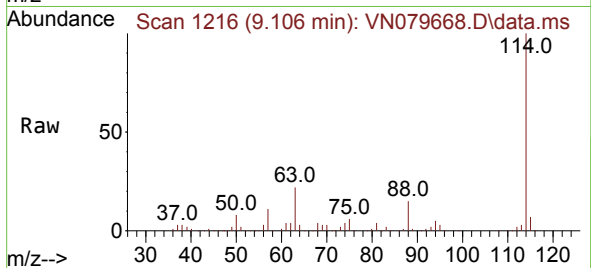
Tgt Ion:114 Resp: 491202

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.995 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

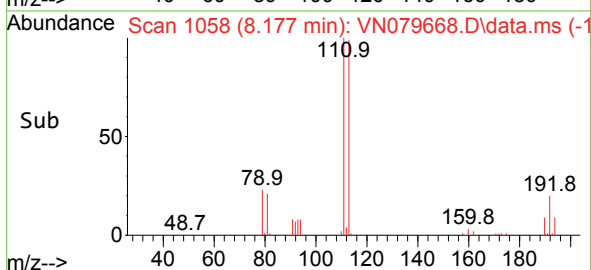
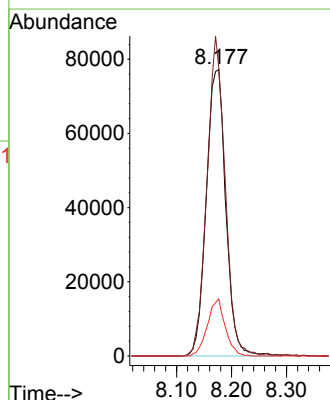
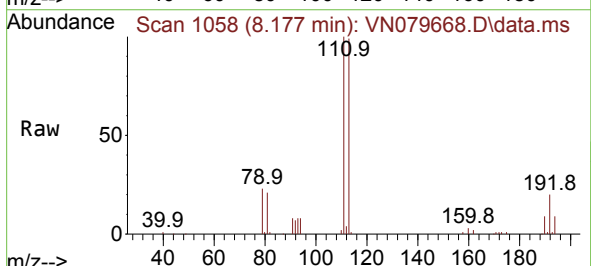
Tgt Ion:113 Resp: 190599

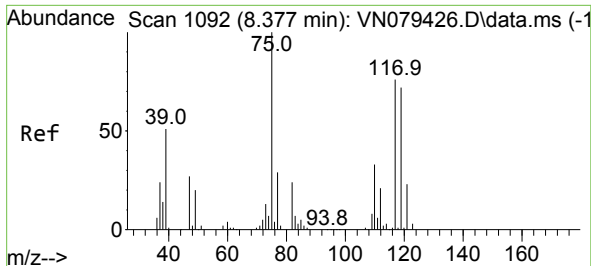
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.382 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN079668.D

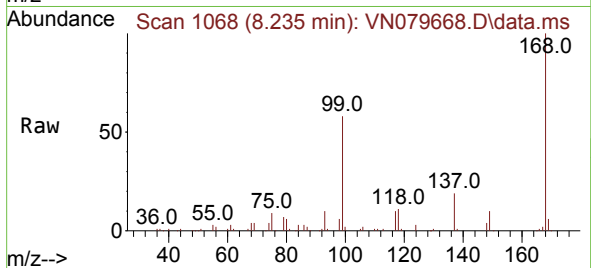
Acq: 24 Oct 2023 19:37

Instrument :

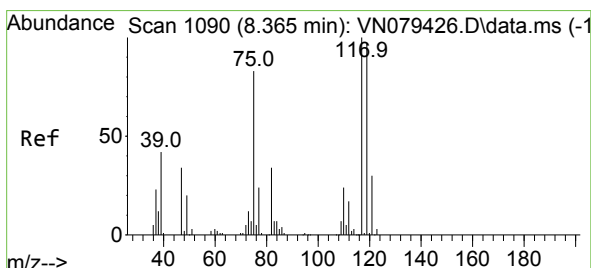
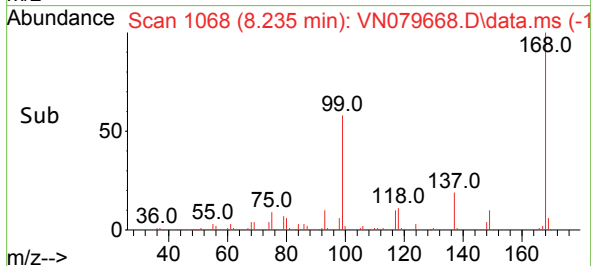
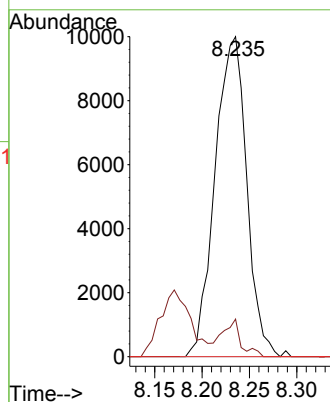
MSVOA_N

ClientSampleId :

231010082-41



Tgt Ion: 75	Resp: 23215
Ion Ratio	Lower Upper
75	100
110	7.4 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.095 ug/l

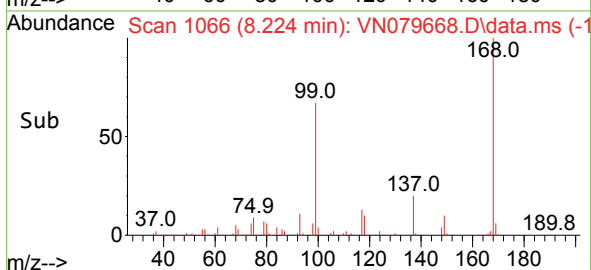
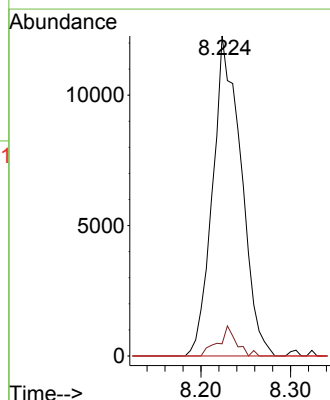
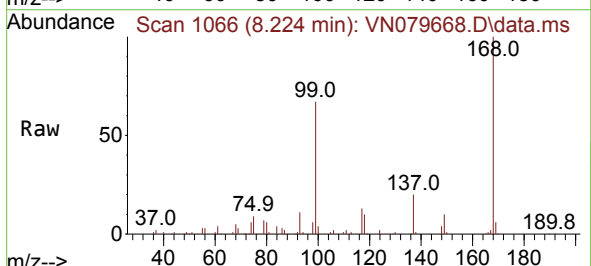
RT: 8.224 min Scan# 1066

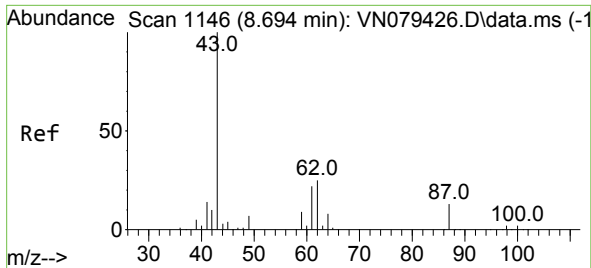
Delta R.T. -0.141 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

Tgt Ion: 117	Resp: 27025
Ion Ratio	Lower Upper
117	100
119	3.8 77.3 115.9#
121	0.0 23.3 34.9#

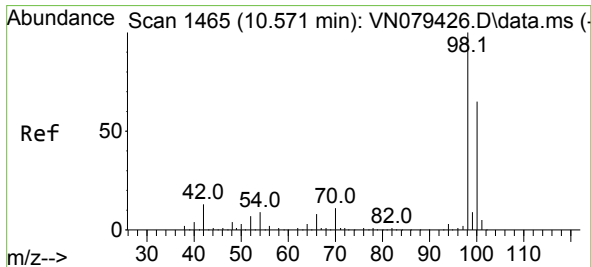
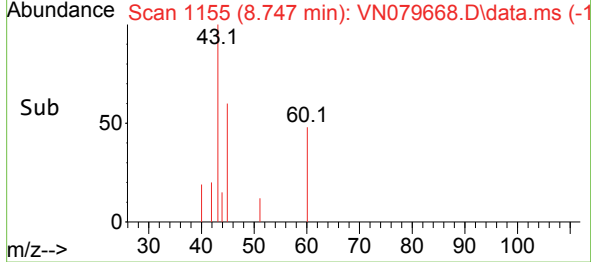
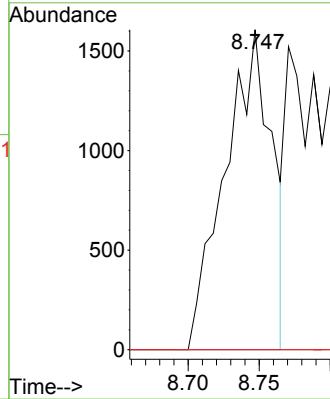
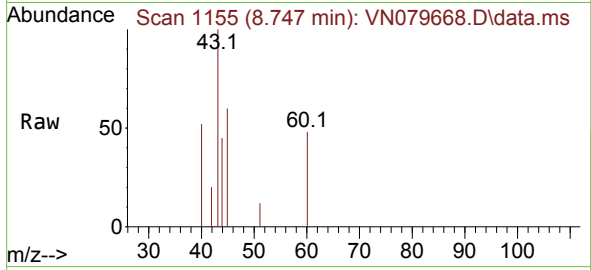




#43
Isopropyl Acetate
Concen: 0.397 ug/l
RT: 8.747 min Scan# 1146
Delta R.T. 0.053 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

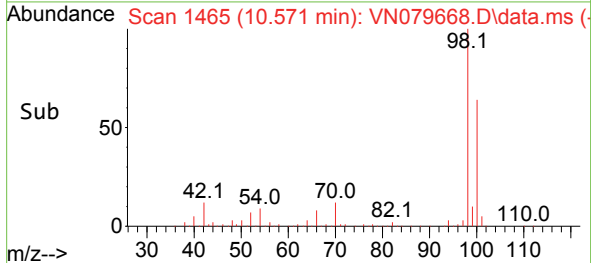
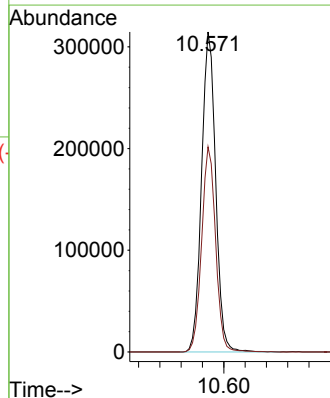
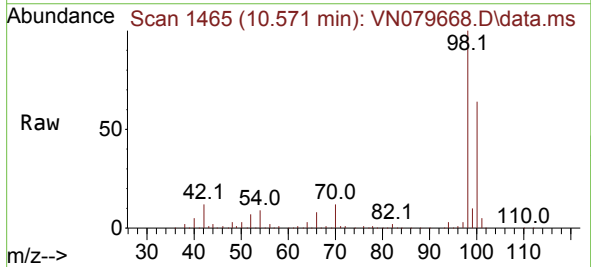
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MSVOA_N
ClientSampleId :
231010082-41

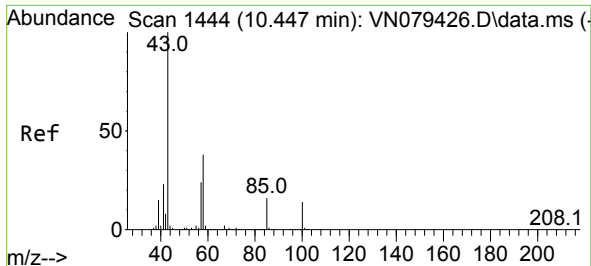
Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.123 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Tgt Ion: 98 Resp: 576328
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.506 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.124 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :

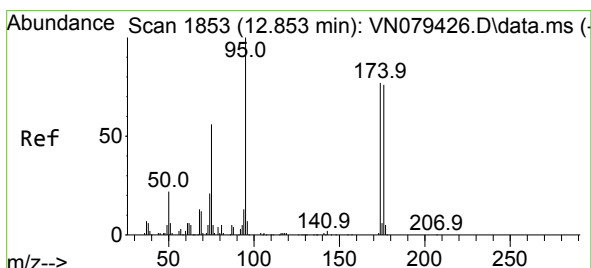
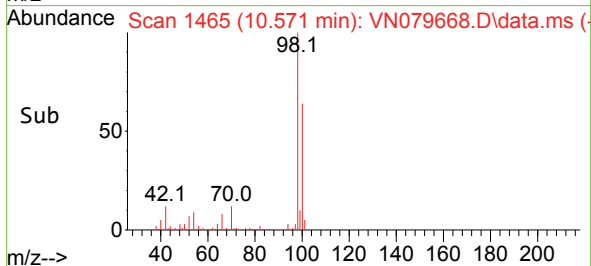
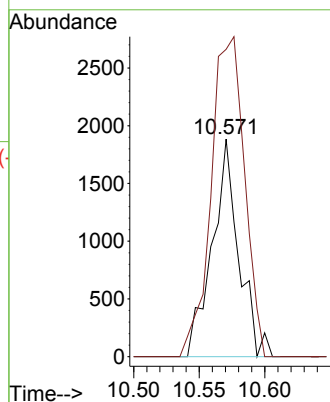
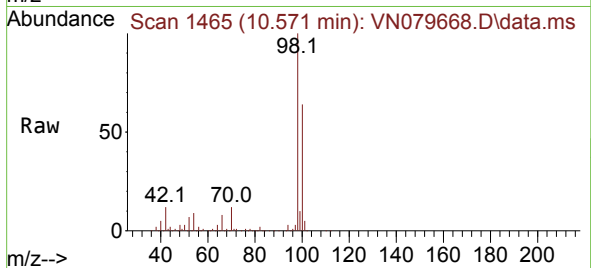
231010082-41

Tgt Ion: 43 Resp: 2637

Ion Ratio Lower Upper

43 100

58 186.2 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 48.936 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

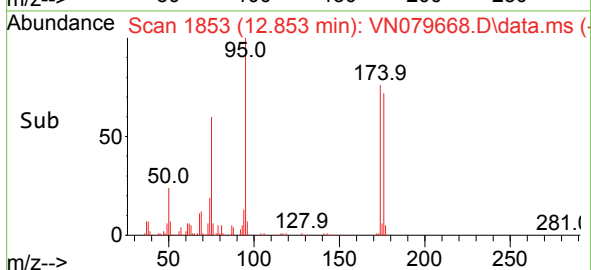
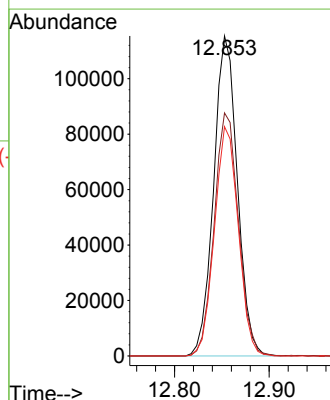
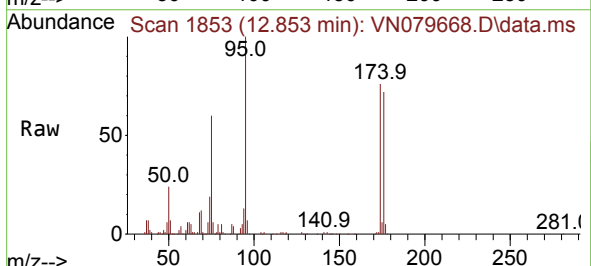
Tgt Ion: 95 Resp: 200587

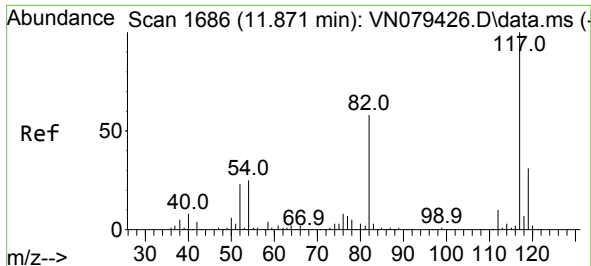
Ion Ratio Lower Upper

95 100

174 78.0 0.0 143.8

176 72.2 0.0 135.8

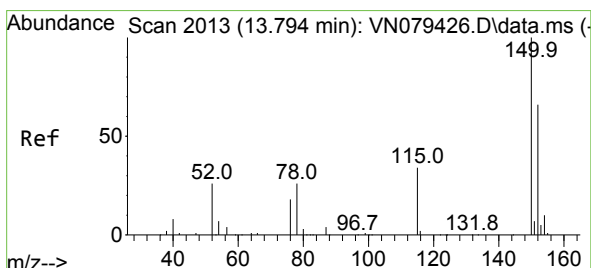
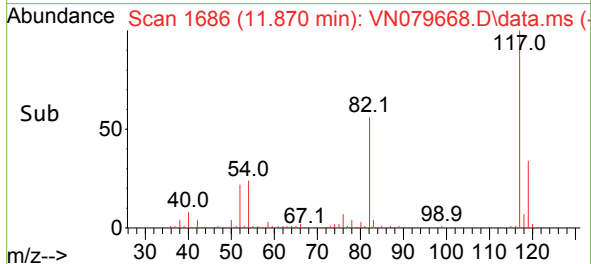
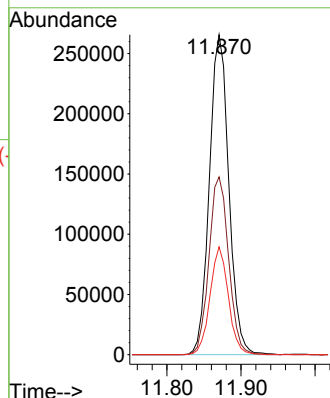
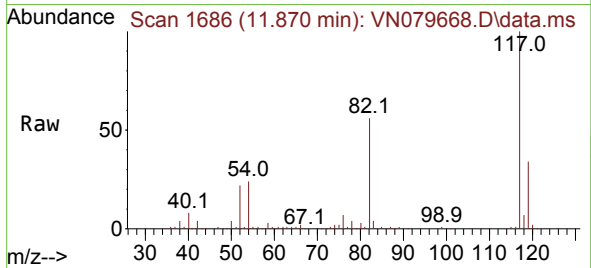




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

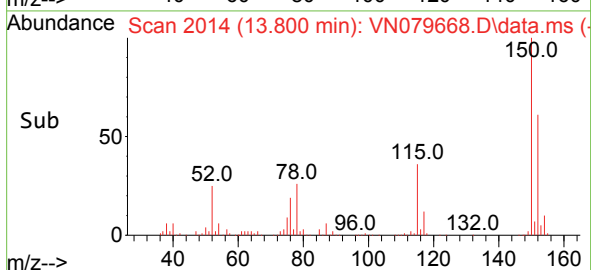
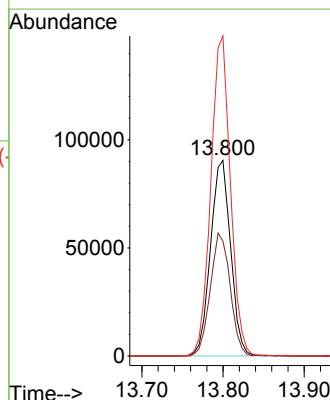
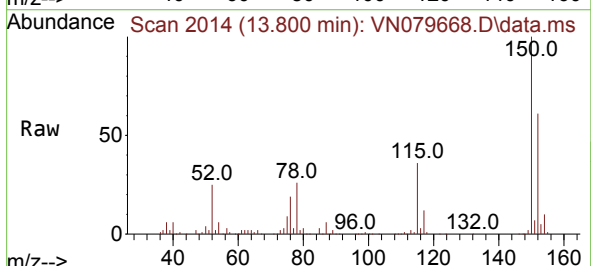
Instrument :
MSVOA_N
ClientSampleId :
231010082-41

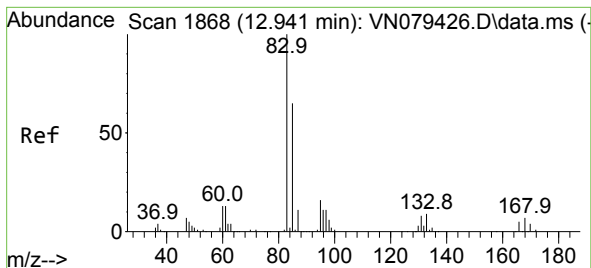
Tgt Ion:117 Resp: 483640
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 33.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079668.D
Acq: 24 Oct 2023 19:37

Tgt Ion:152 Resp: 155751
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 159.2 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.859 min Scan# 1854

Delta R.T. -0.082 min

Lab File: VN079668.D

Acq: 24 Oct 2023 19:37

Instrument :

MSVOA_N

ClientSampleId :

231010082-41

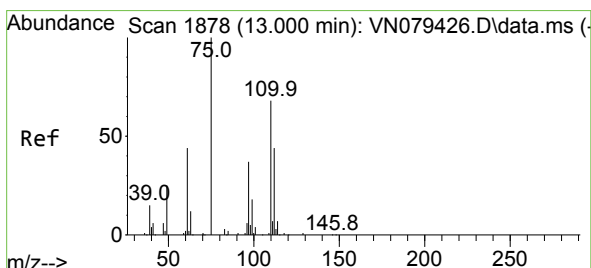
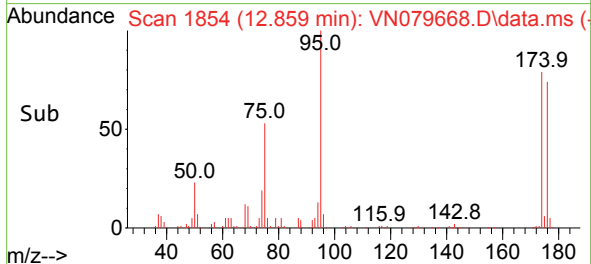
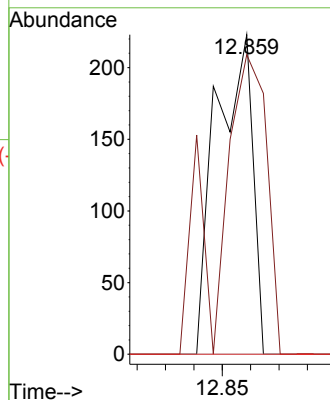
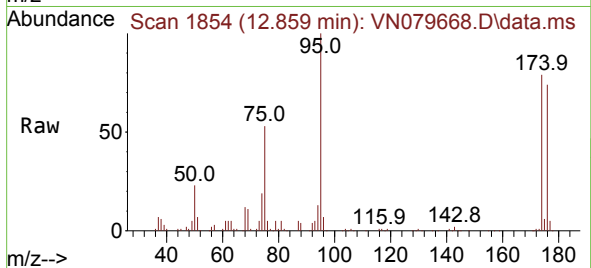
Tgt Ion: 83 Resp: 199

Ion Ratio Lower Upper

83 100

131 123.1 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 24.988 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079668.D

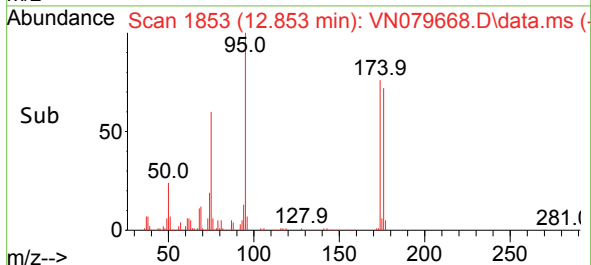
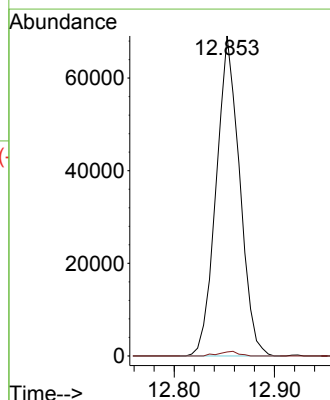
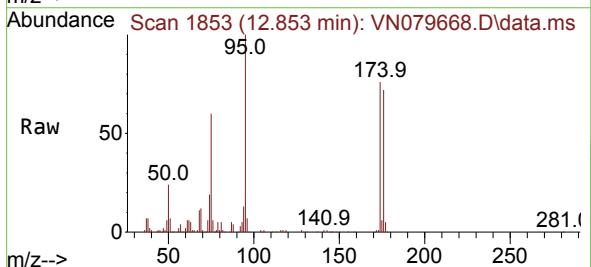
Acq: 24 Oct 2023 19:37

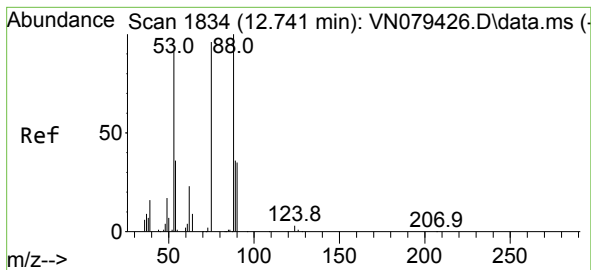
Tgt Ion: 75 Resp: 112215

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.504 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079668.D
 Acq: 24 Oct 2023 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 231010082-41

Tgt Ion: 75 Resp: 112215
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

