

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078147.D
 Acq On : 09 Jun 2023 15:46
 Operator : JC\MD
 Sample : 03123-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-858-860

Quant Time: Jun 09 23:09:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

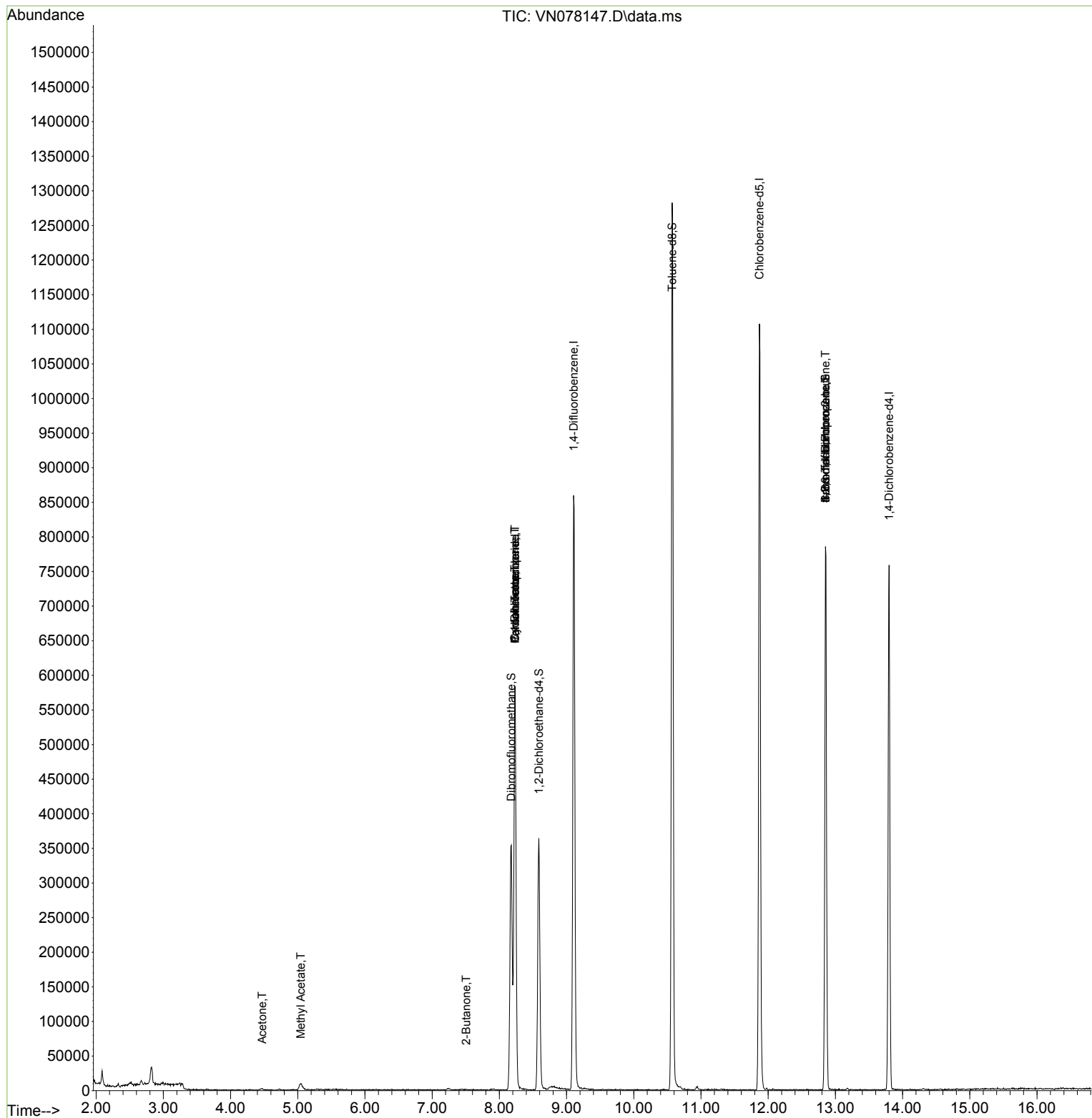
Internal Standards						
1) Pentafluorobenzene	8.235	168	422655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	775632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	681732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	300338	53.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.600%	
35) Dibromofluoromethane	8.177	113	257156	52.436	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.880%	
50) Toluene-d8	10.570	98	936931	49.557	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.120%	
62) 4-Bromofluorobenzene	12.853	95	283006	48.151	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1196	Below Cal	#	79
16) Acetone	4.471	43	2966	1.829	ug/l #	76
18) Methyl Acetate	5.047	43	19745	2.644	ug/l	93
25) 2-Butanone	7.506	43	694	0.278	ug/l	95
31) Cyclohexane	8.229	56	10758	1.488	ug/l #	47
36) 1,1-Dichloropropene	8.229	75	38101	5.416	ug/l #	47
38) Carbon Tetrachloride	8.235	117	46929	6.318	ug/l #	17
71) Bromoform	12.853	173	1806	0.521	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.006	83	53	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	151432	30.564	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151432	93.902	ug/l #	15

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

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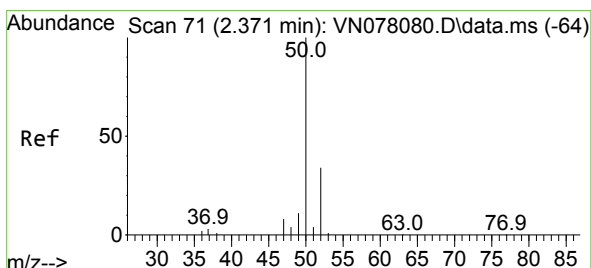
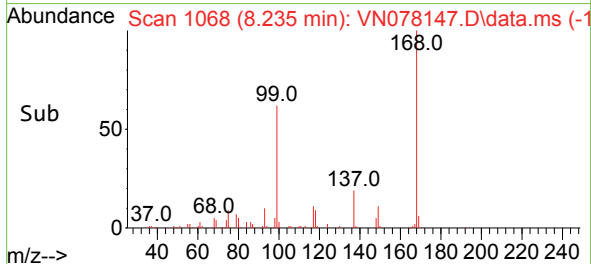
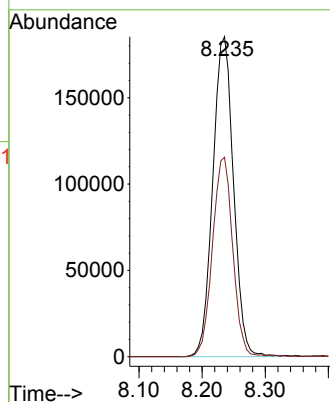
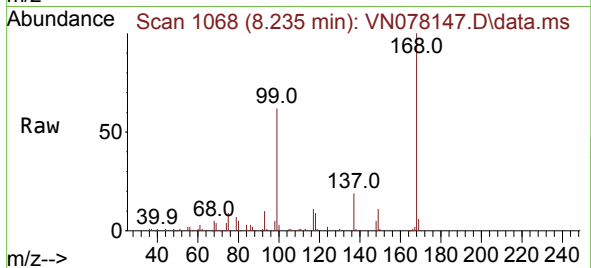




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

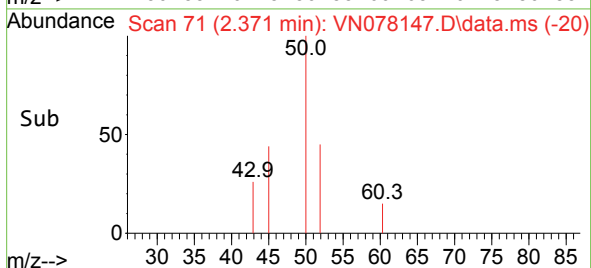
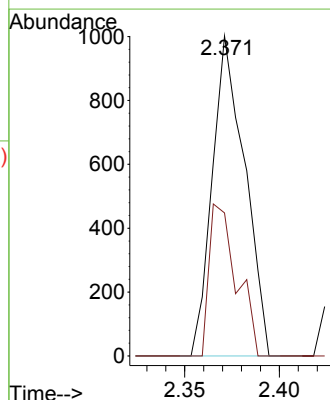
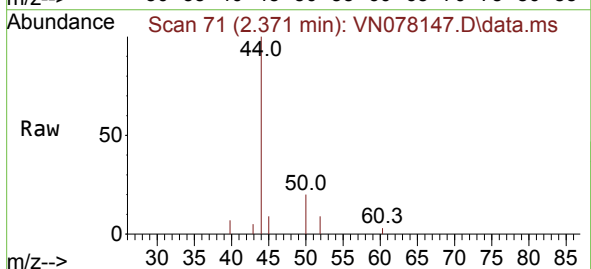
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860

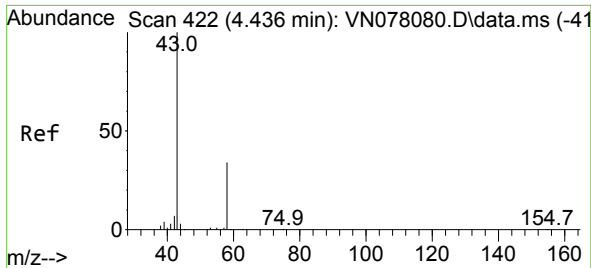
Tgt Ion:168 Resp: 422655
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

Tgt Ion: 50 Resp: 1196
Ion Ratio Lower Upper
50 100
52 44.7 26.5 39.7#

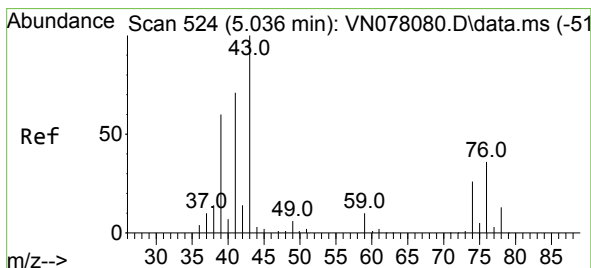
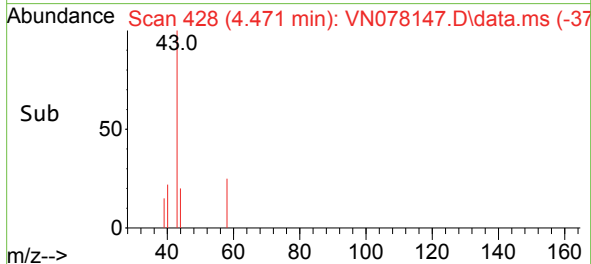
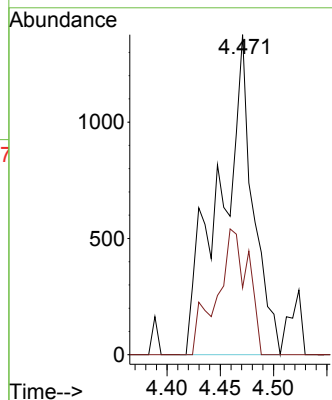
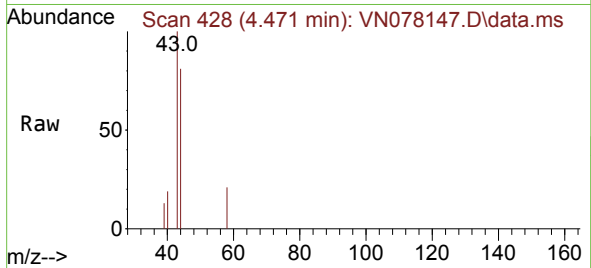




#16
Acetone
Concen: 1.829 ug/l
RT: 4.471 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

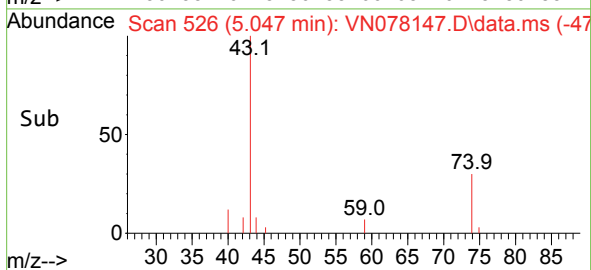
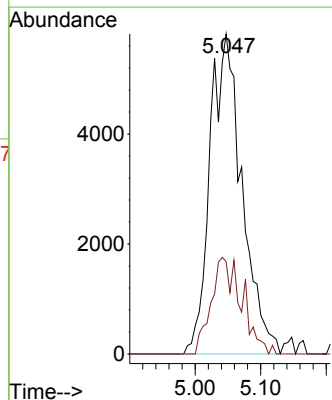
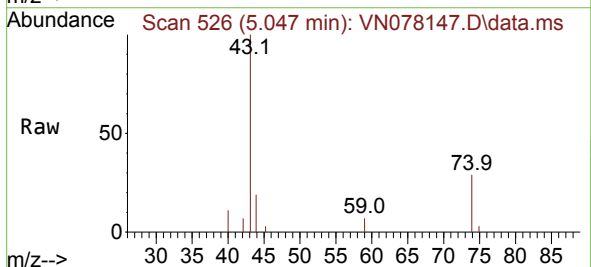
Instrument :
MSVOA_N
ClientSampleId :
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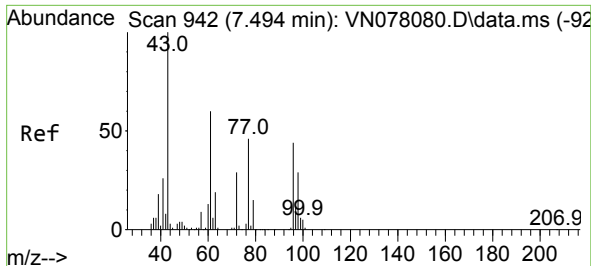
Tgt Ion: 43 Resp: 2966
Ion Ratio Lower Upper
43 100
58 20.9 28.0 42.0#



#18
Methyl Acetate
Concen: 2.644 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

Tgt Ion: 43 Resp: 19745
Ion Ratio Lower Upper
43 100
74 28.8 26.2 39.4

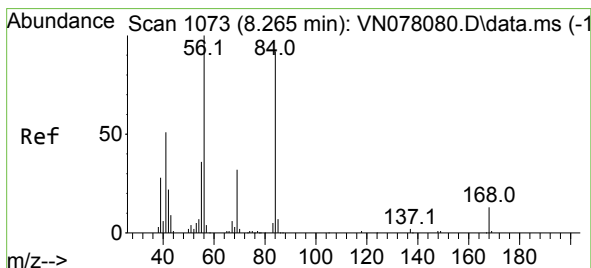
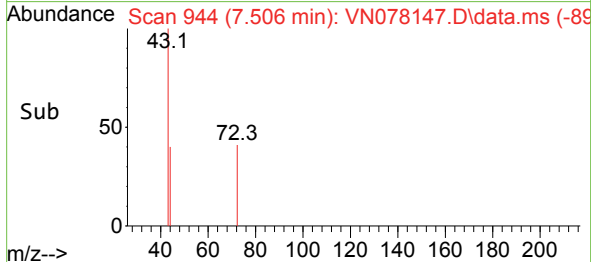
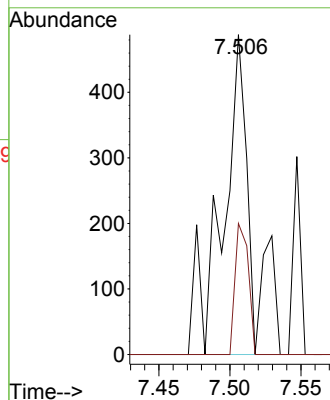
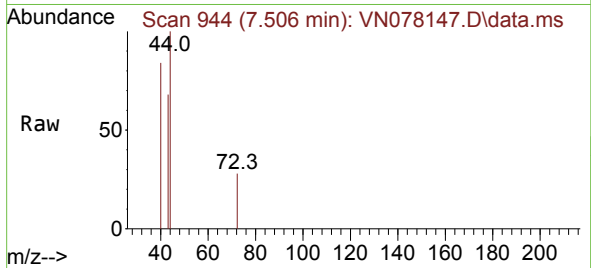




#25
2-Butanone
Concen: 0.278 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

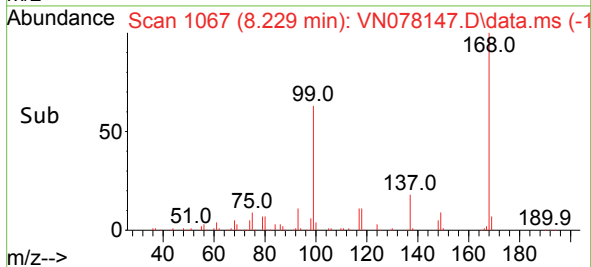
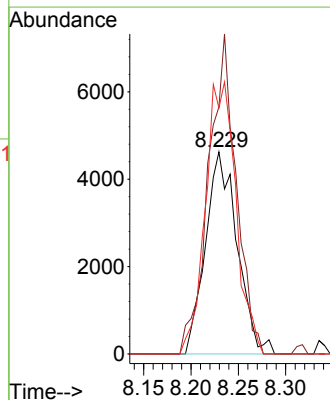
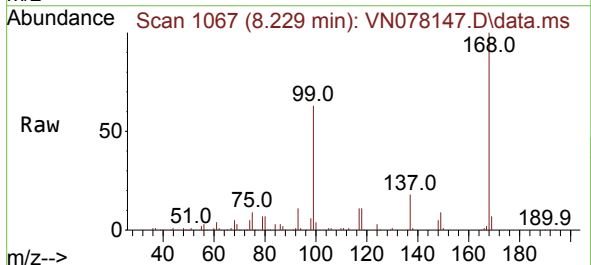
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860

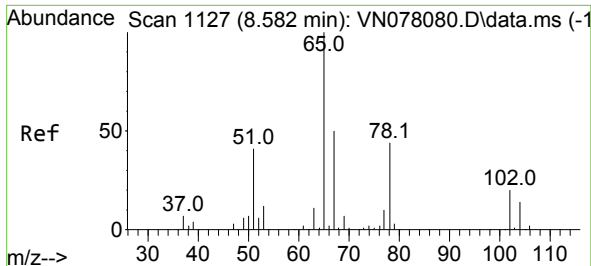
Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
72 41.0 30.2 45.2



#31
Cyclohexane
Concen: 1.488 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

Tgt Ion: 56 Resp: 10758
Ion Ratio Lower Upper
56 100
69 122.2 26.8 40.2#
84 121.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.296 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078147.D

Acq: 09 Jun 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

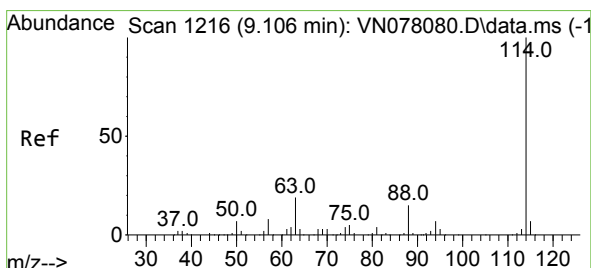
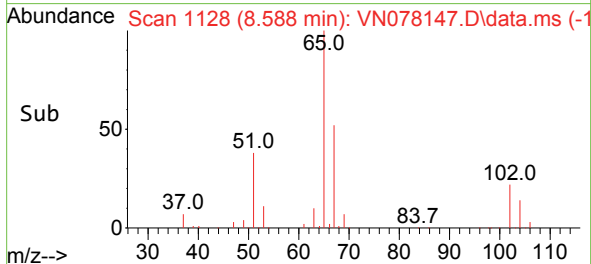
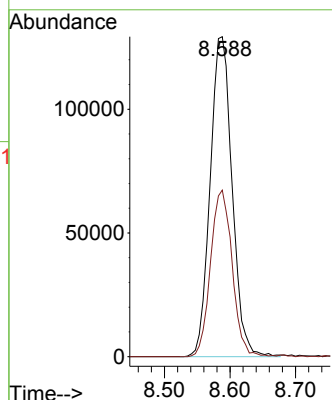
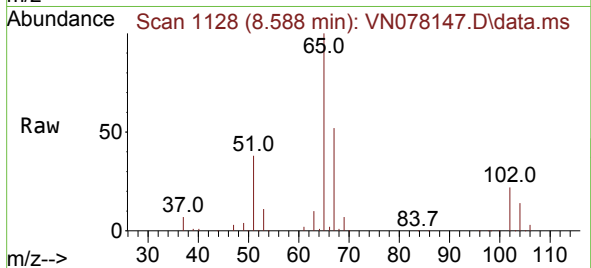
BP-VPB-RW11-GW-858-860

Tgt Ion: 65 Resp: 300338

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078147.D

Acq: 09 Jun 2023 15:46

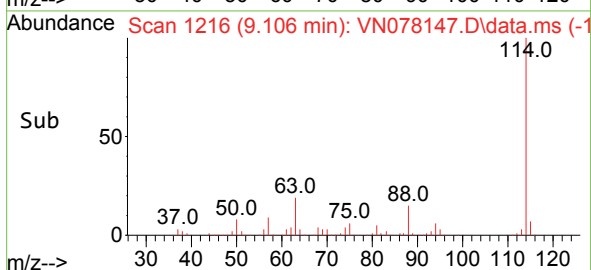
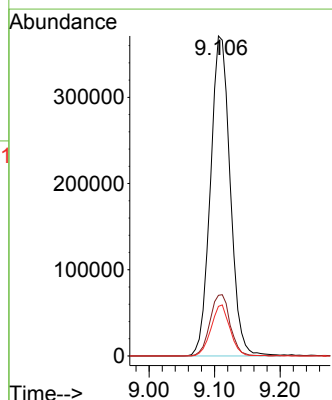
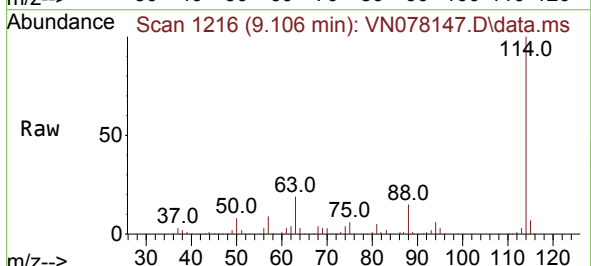
Tgt Ion: 114 Resp: 775632

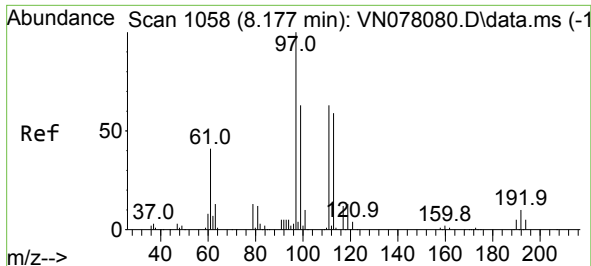
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 15.5 0.0 30.6

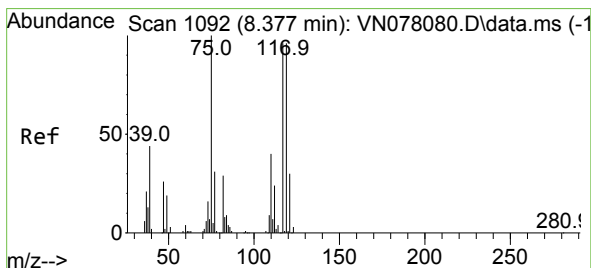
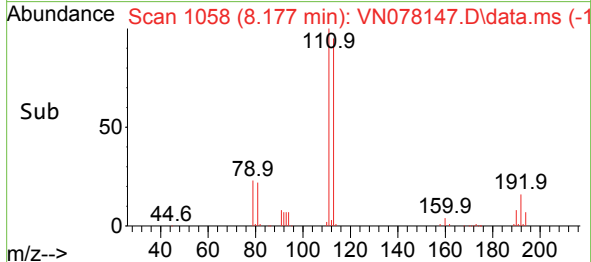
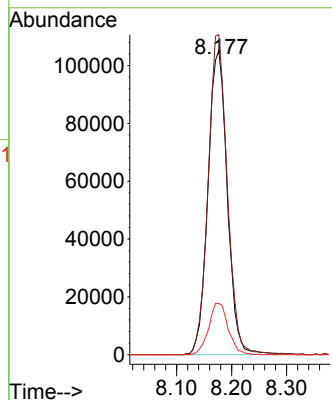
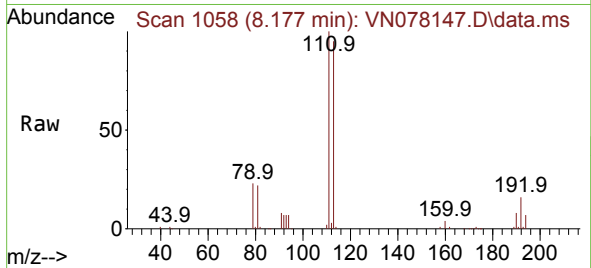




#35
Dibromofluoromethane
Concen: 52.436 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

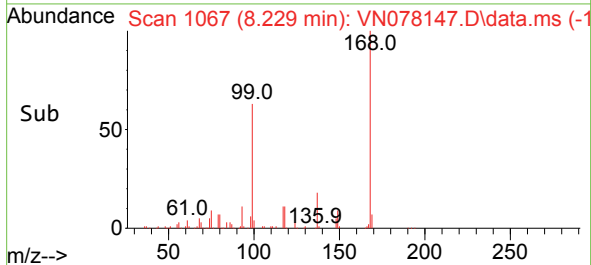
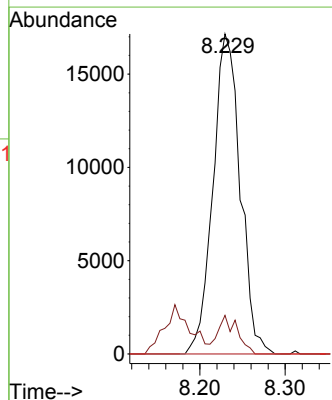
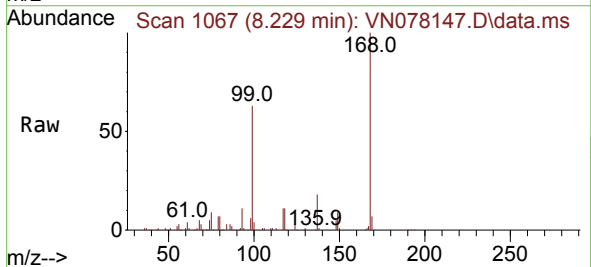
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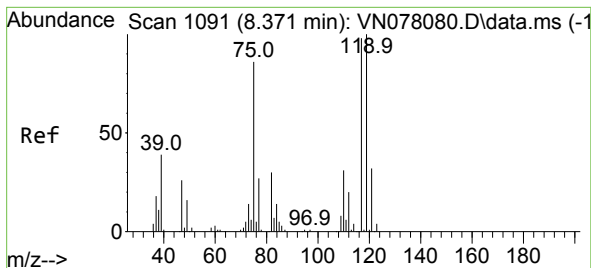
Tgt Ion:113 Resp: 257156
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

Tgt Ion: 75 Resp: 38101
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.318 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078147.D

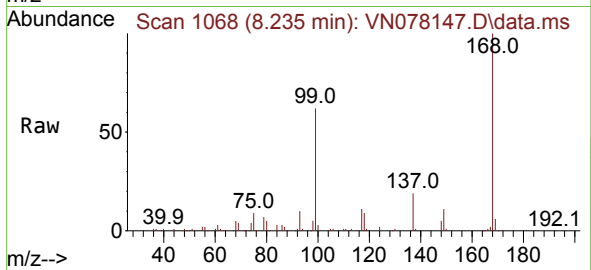
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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-858-860



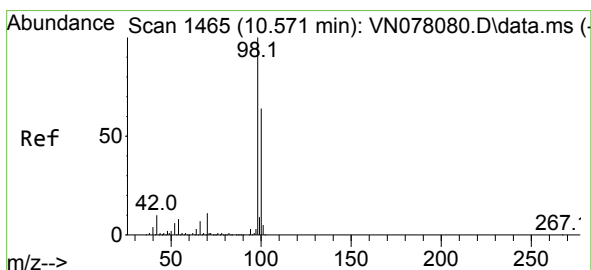
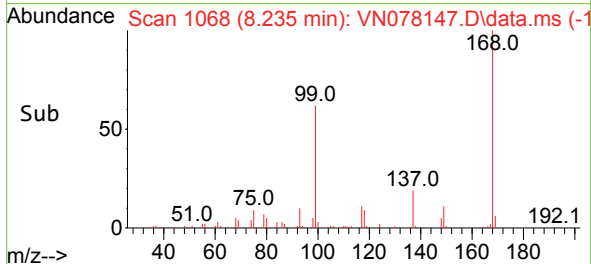
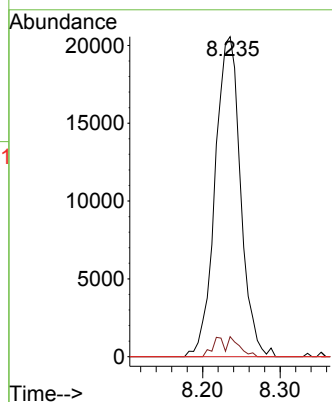
Tgt Ion:117 Resp: 46929

Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 49.557 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078147.D

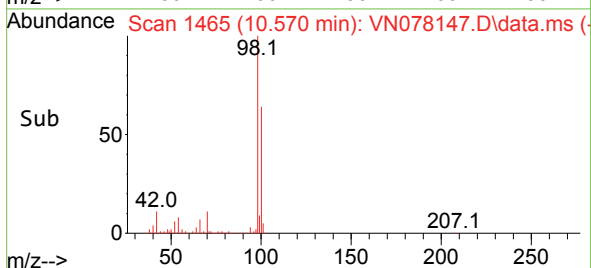
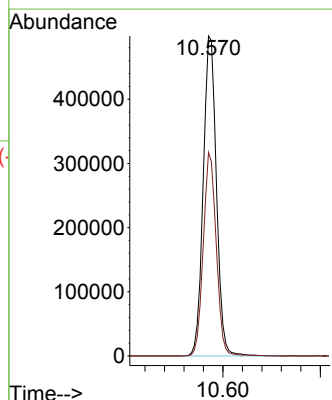
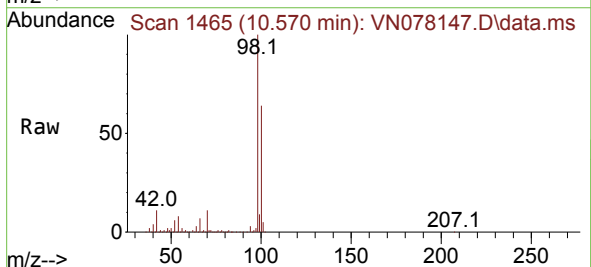
Acq: 09 Jun 2023 15:46

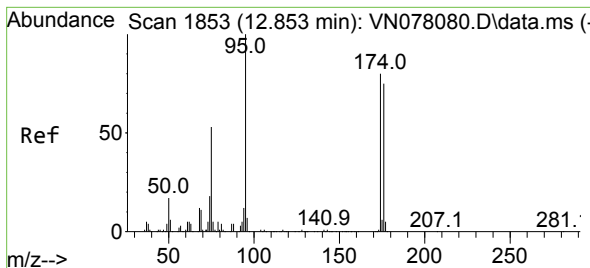
Tgt Ion: 98 Resp: 936931

Ion Ratio Lower Upper

98 100

100 62.6 52.0 78.0

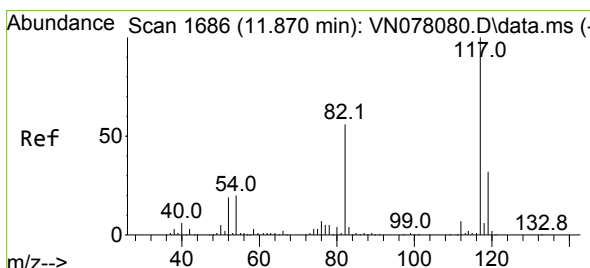
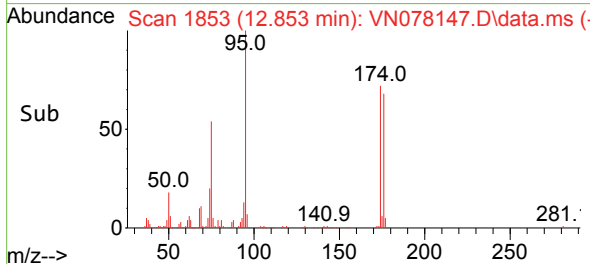
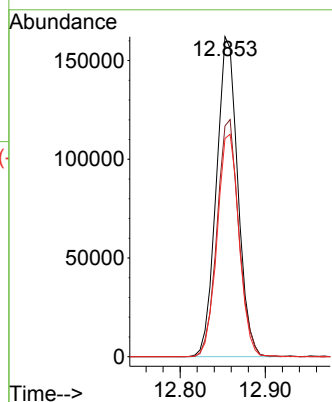
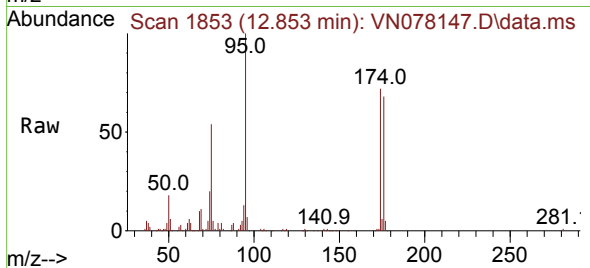




#62
4-Bromofluorobenzene
Concen: 48.151 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

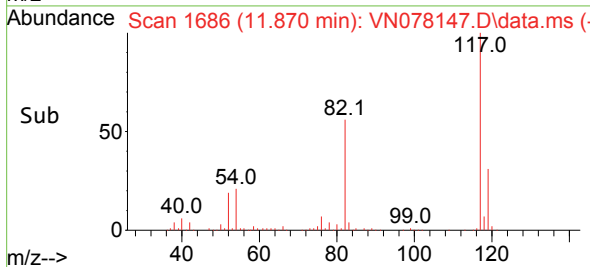
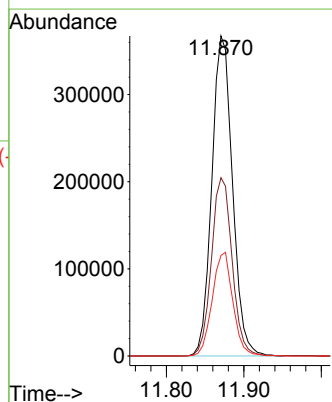
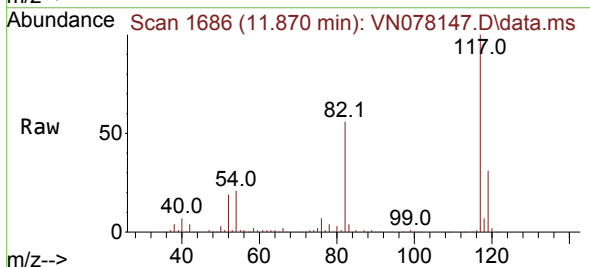
Instrument :
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BP-VPB-RW11-GW-858-860

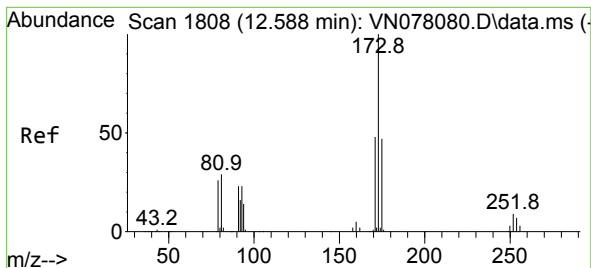
Tgt Ion: 95 Resp: 283006
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

Tgt Ion: 117 Resp: 681732
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.4 25.6 38.4





#71

Bromoform

Concen: 0.521 ug/l

RT: 12.853 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN078147.D

Acq: 09 Jun 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-858-860

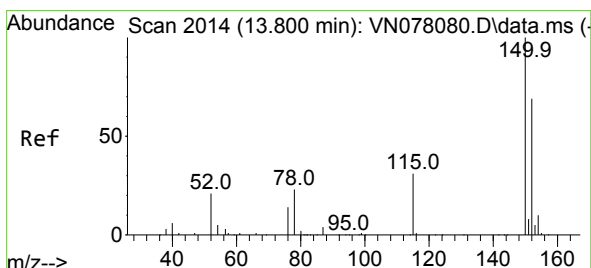
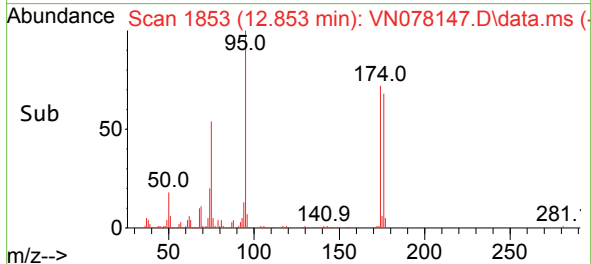
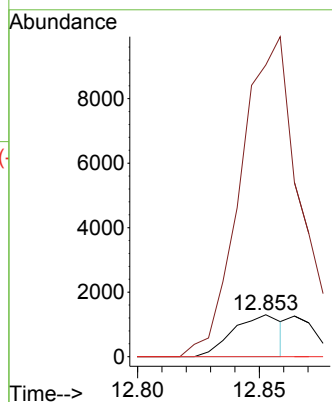
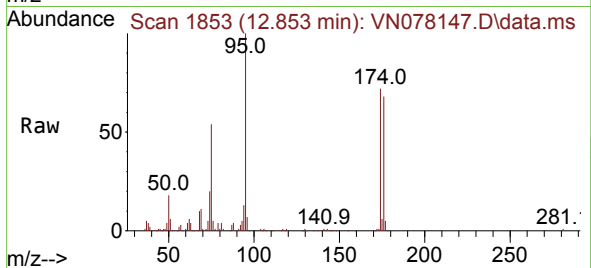
Tgt Ion:173 Resp: 1806

Ion Ratio Lower Upper

173 100

175 795.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078147.D

Acq: 09 Jun 2023 15:46

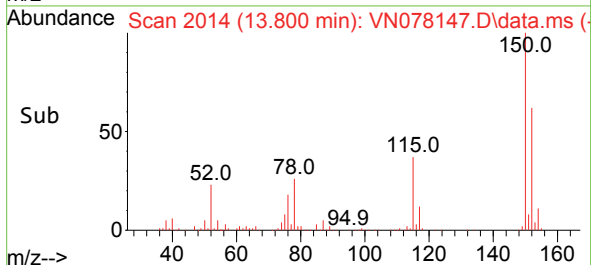
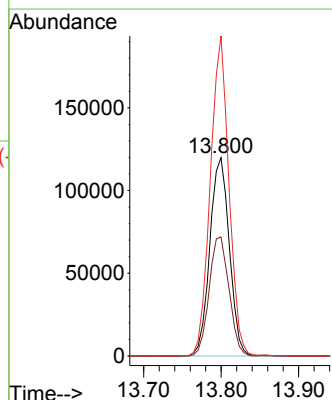
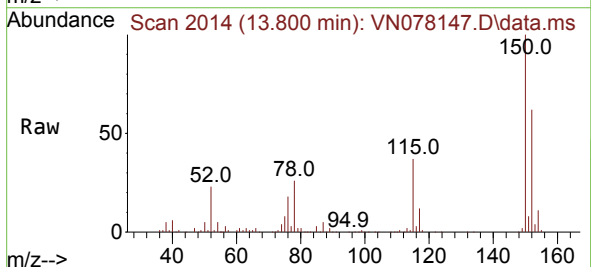
Tgt Ion:152 Resp: 209582

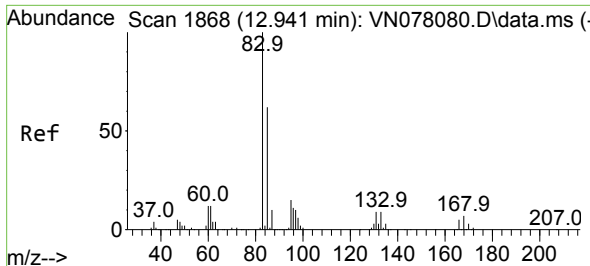
Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 154.1 0.0 355.8

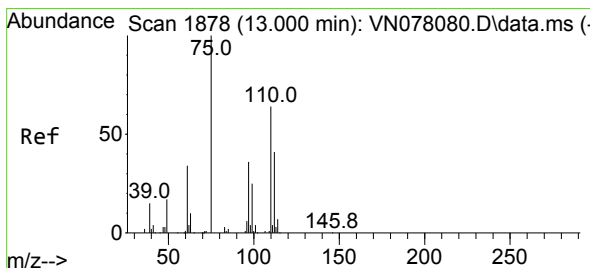
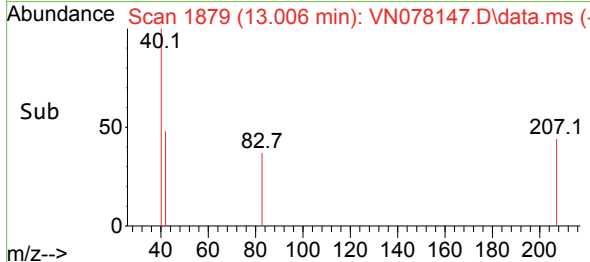
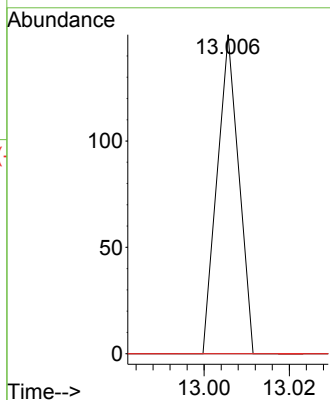
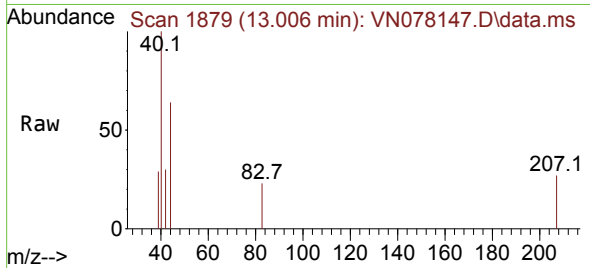




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 13.006 min Scan# 1879
Delta R.T. 0.065 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

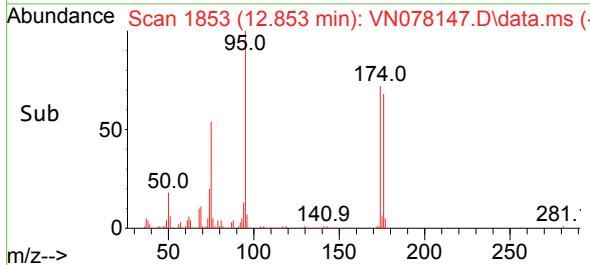
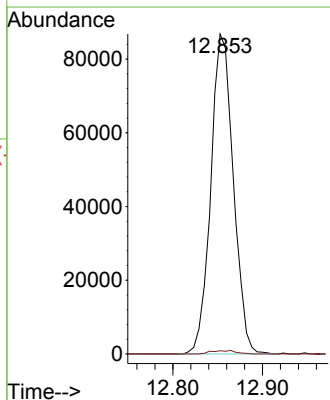
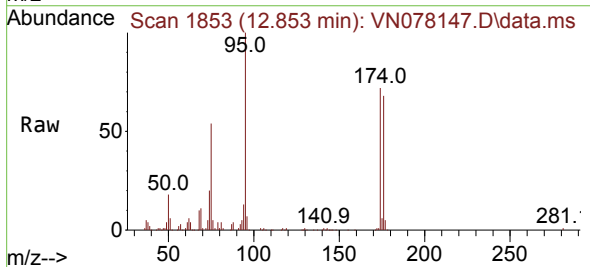
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-858-860

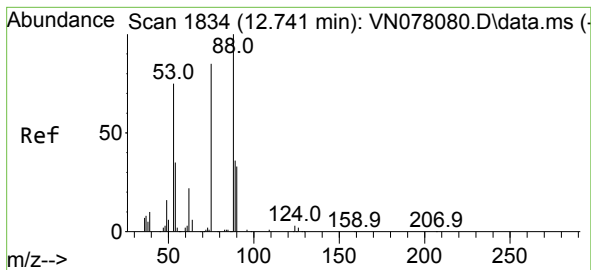
Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.564 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078147.D
Acq: 09 Jun 2023 15:46

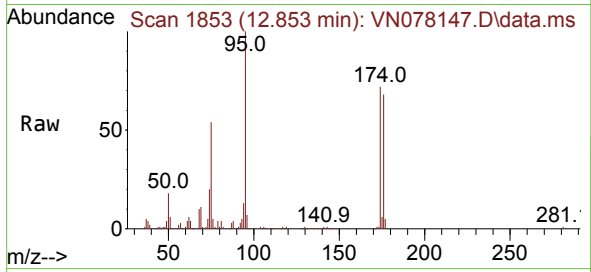
Tgt Ion: 75 Resp: 151432
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.902 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078147.D
 Acq: 09 Jun 2023 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-858-860



Tgt Ion: 75 Resp: 151432
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

