

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078143.D
 Acq On : 09 Jun 2023 14:11
 Operator : JC\MD
 Sample : 03123-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 09 23:07:56 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)

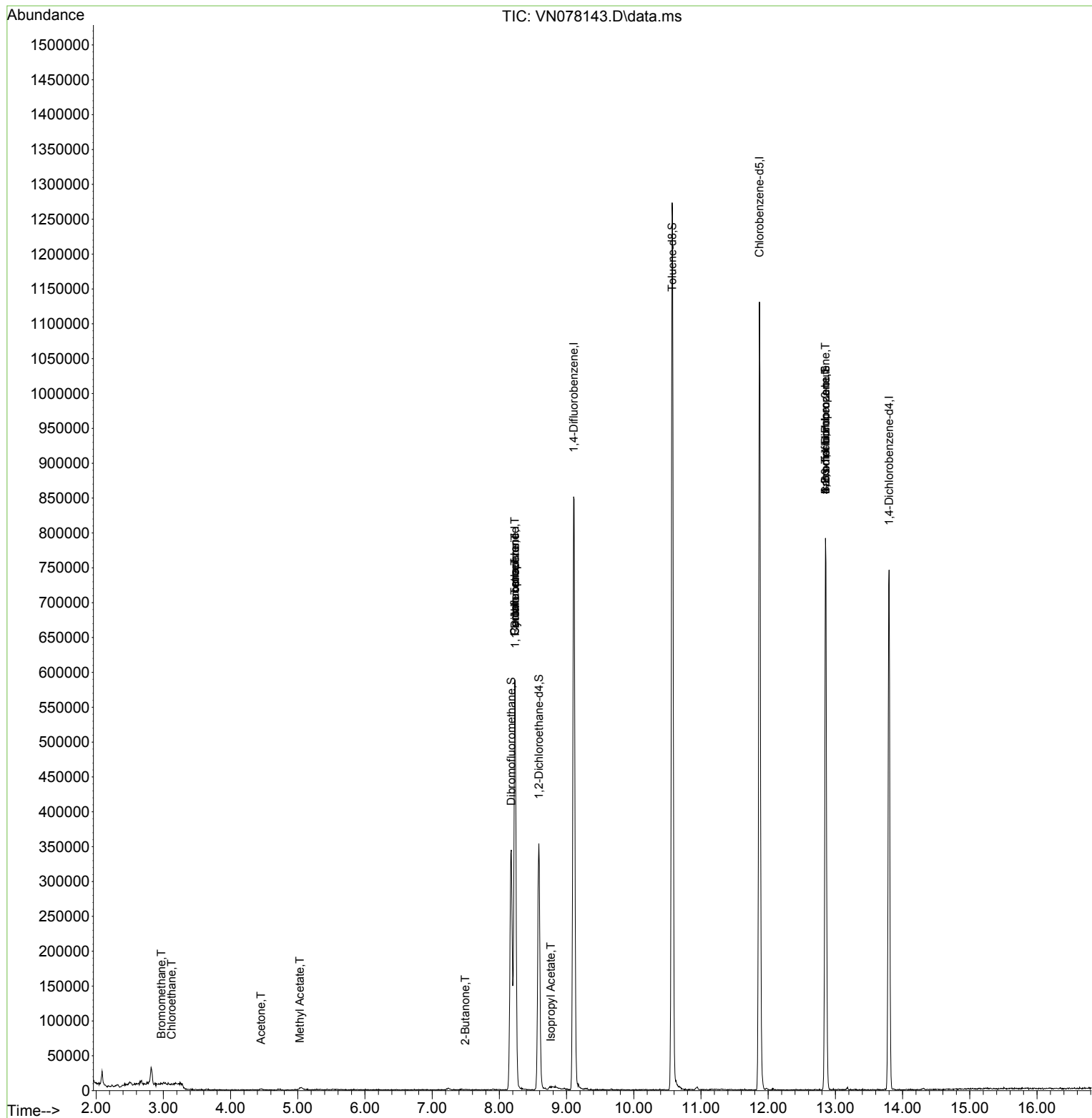
Internal Standards						
1) Pentafluorobenzene	8.230	168	416697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	768570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	675607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	204448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	294463	53.001	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.000%		
35) Dibromofluoromethane	8.177	113	256801	52.844	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.680%		
50) Toluene-d8	10.571	98	923214	49.280	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.560%		
62) 4-Bromofluorobenzene	12.853	95	281861	48.397	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1319	Below Cal	#	79
5) Bromomethane	2.971	94	1649	0.354	ug/l	90
6) Chloroethane	3.124	64	964	0.229	ug/l #	53
16) Acetone	4.453	43	2251	1.408	ug/l #	83
18) Methyl Acetate	5.030	43	3736	0.507	ug/l #	42
25) 2-Butanone	7.494	43	1236	0.503	ug/l #	37
31) Cyclohexane	8.230	56	10289	1.444	ug/l #	63
36) 1,1-Dichloropropene	8.235	75	35284	5.062	ug/l #	49
38) Carbon Tetrachloride	8.230	117	45070	6.124	ug/l #	15
43) Isopropyl Acetate	8.765	43	3503	0.336	ug/l #	49
71) Bromoform	12.853	173	2089	0.608	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.876	83	54	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	151199	31.283	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151199	96.112	ug/l #	15

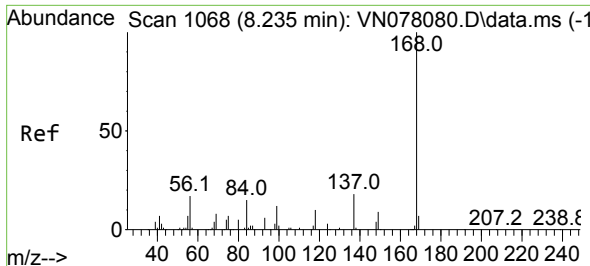
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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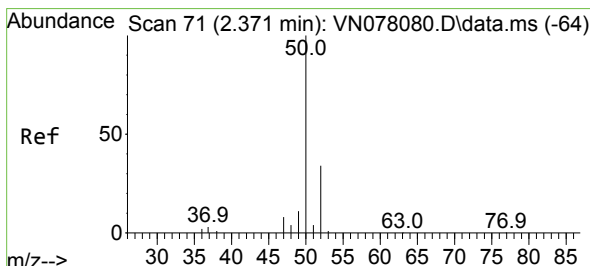
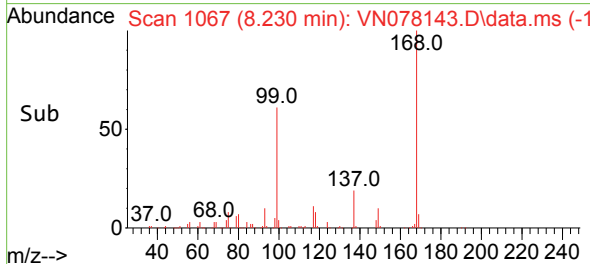
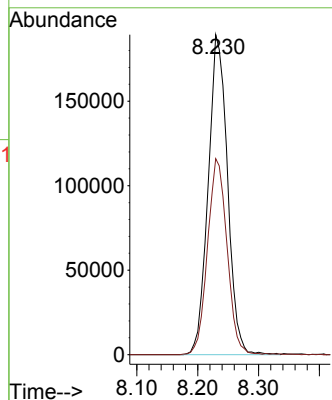
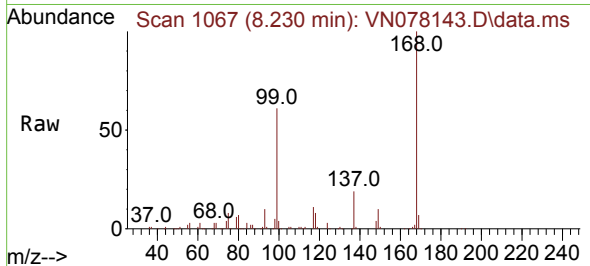




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.005 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

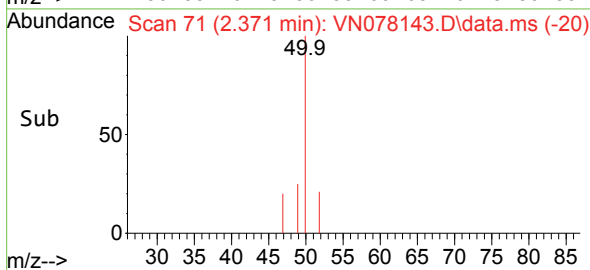
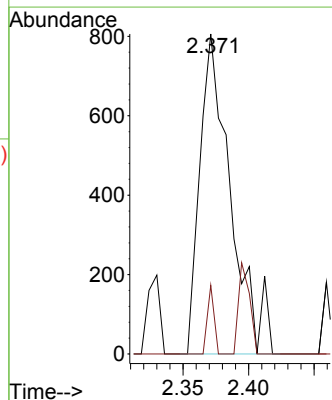
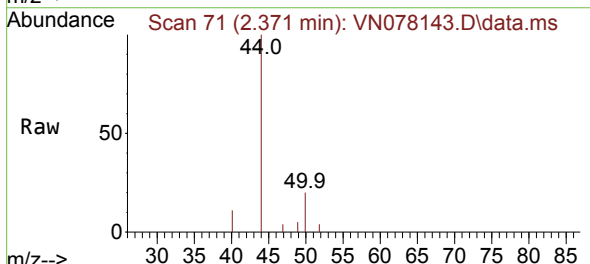
Instrument :
MSVOA_N
ClientSampleId :

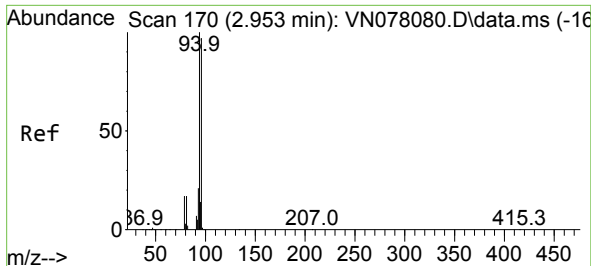
Tgt Ion:168 Resp: 416697
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

Tgt Ion: 50 Resp: 1319
Ion Ratio Lower Upper
50 100
52 21.5 26.5 39.7#

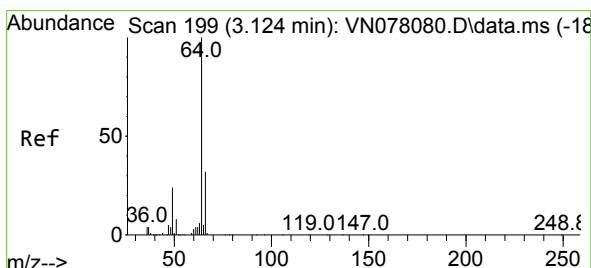
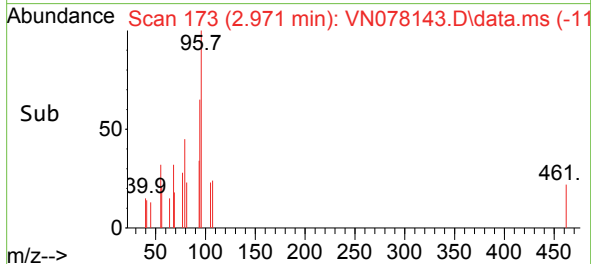
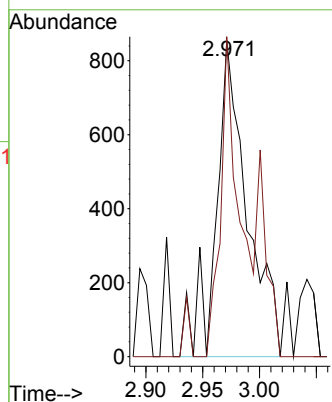
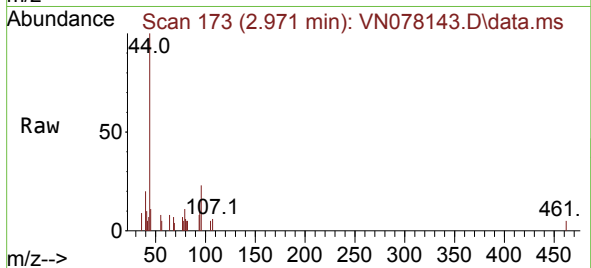




#5
Bromomethane
Concen: 0.354 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

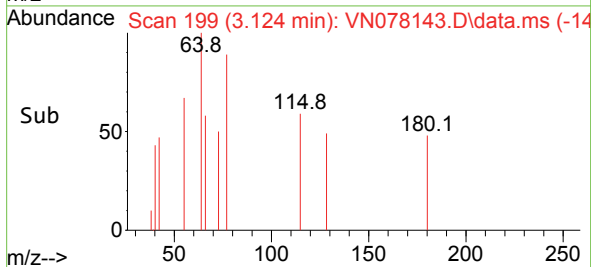
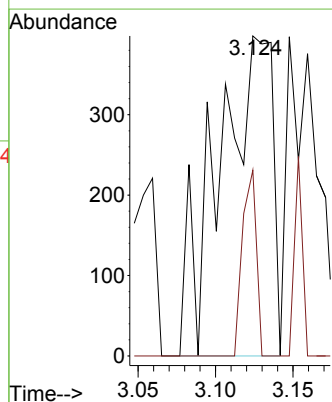
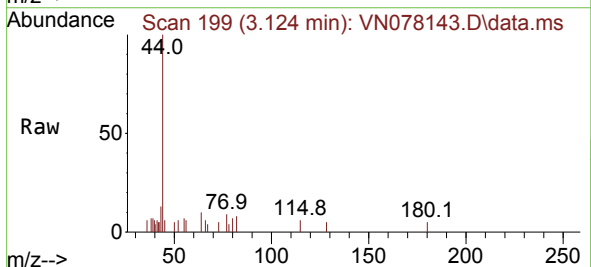
Instrument :
MSVOA_N
ClientSampleId :

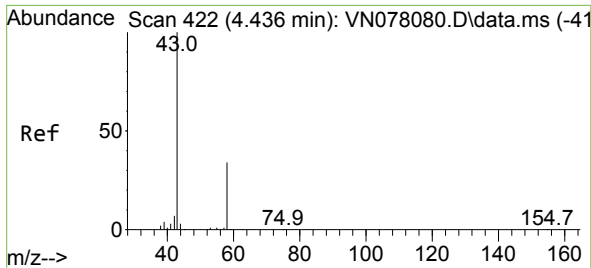
Tgt Ion: 94 Resp: 1649
Ion Ratio Lower Upper
94 100
96 101.2 73.1 109.7



#6
Chloroethane
Concen: 0.229 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

Tgt Ion: 64 Resp: 964
Ion Ratio Lower Upper
64 100
66 58.0 25.4 38.2#

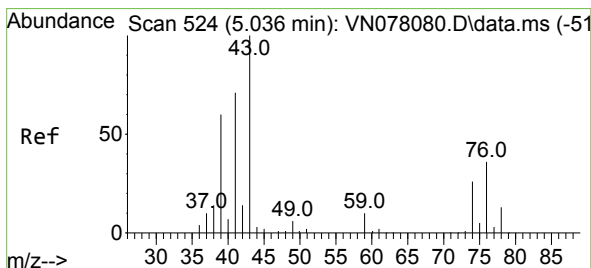
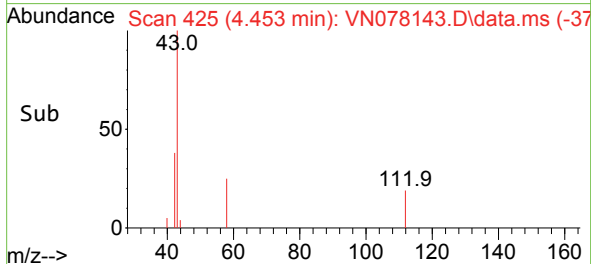
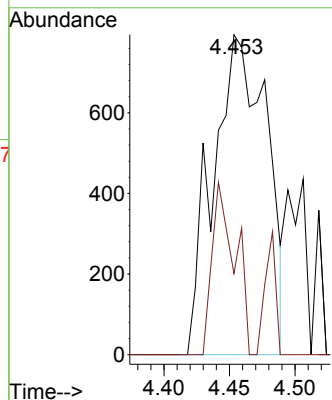
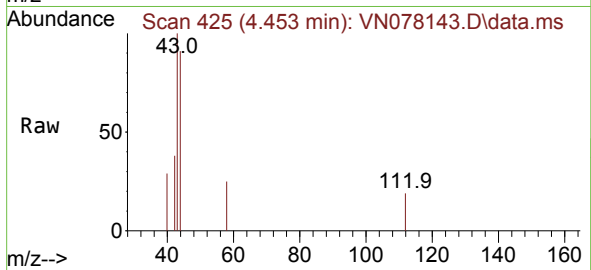




#16
Acetone
Concen: 1.408 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

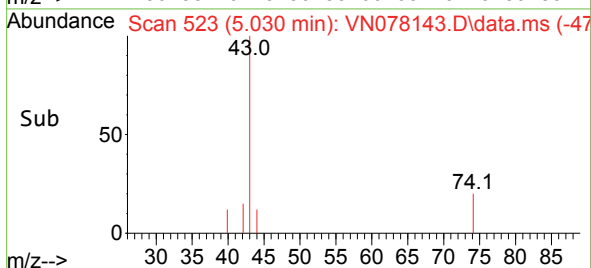
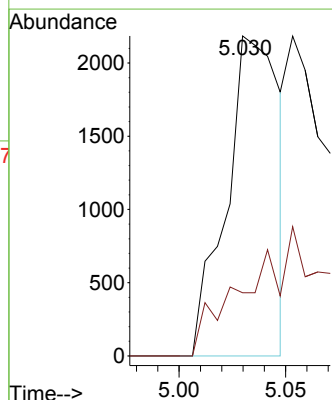
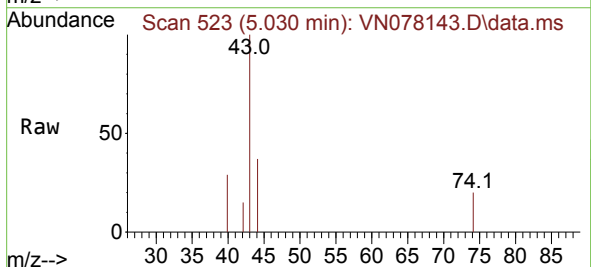
Instrument :
MSVOA_N
ClientSampleId :

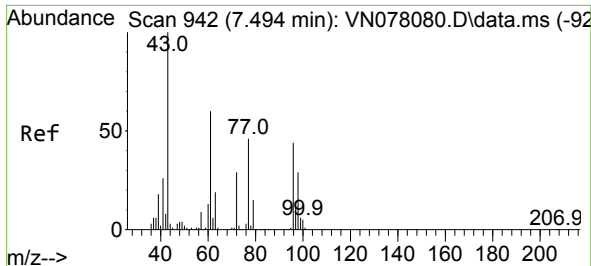
Tgt Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
58 25.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.507 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

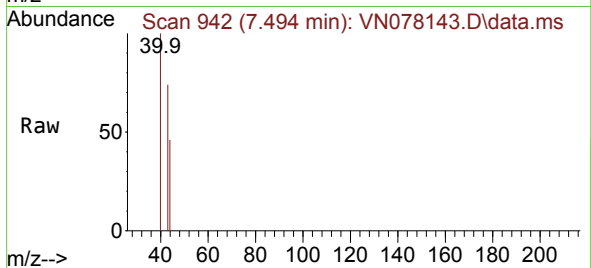
Tgt Ion: 43 Resp: 3736
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



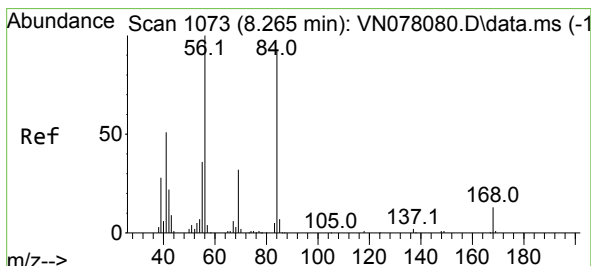
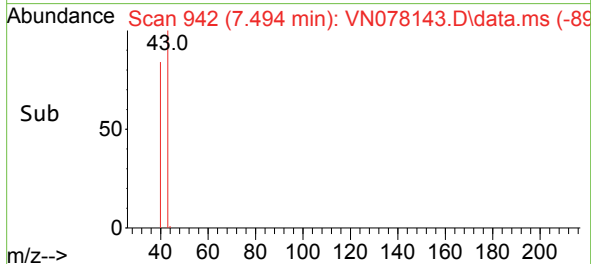
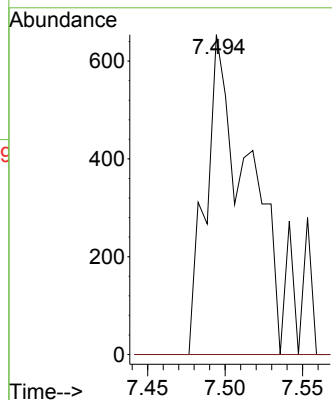


#25
2-Butanone
Concen: 0.503 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :

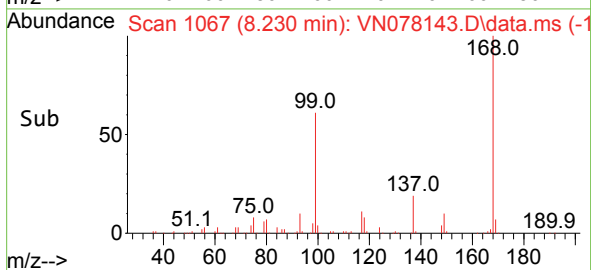
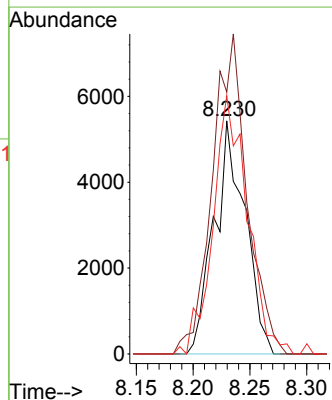
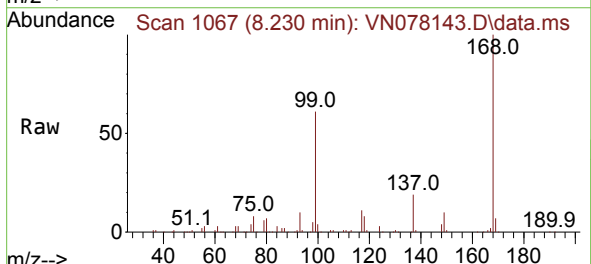


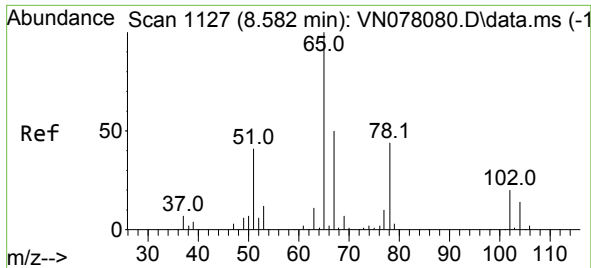
Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.444 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

Tgt Ion: 56 Resp: 10289
Ion Ratio Lower Upper
56 100
69 108.6 26.8 40.2#
84 107.6 81.8 122.6

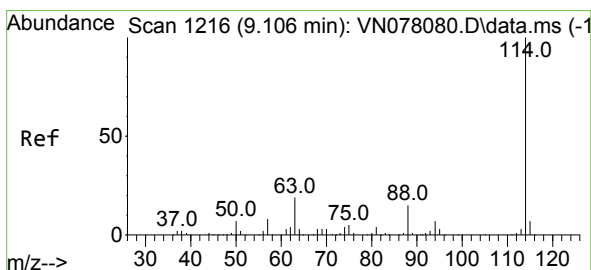
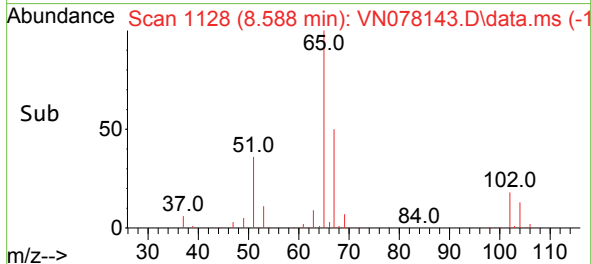
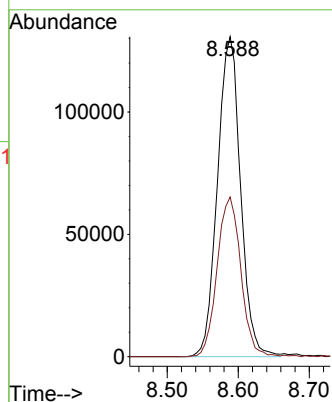
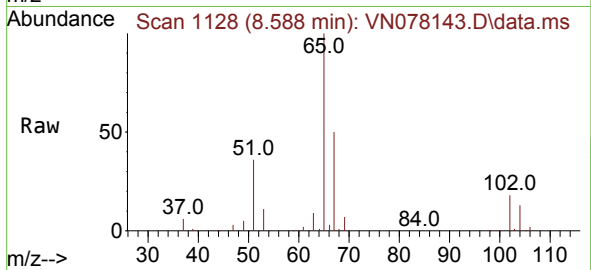




#33
1,2-Dichloroethane-d4
Concen: 53.001 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

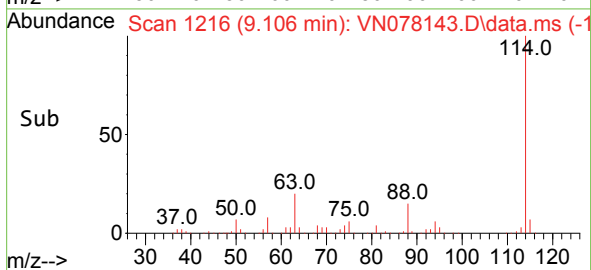
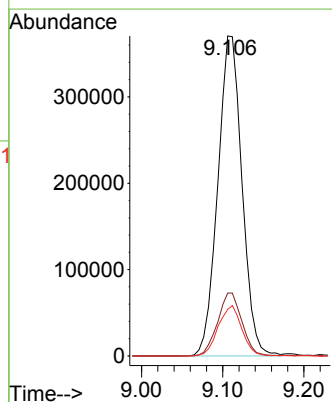
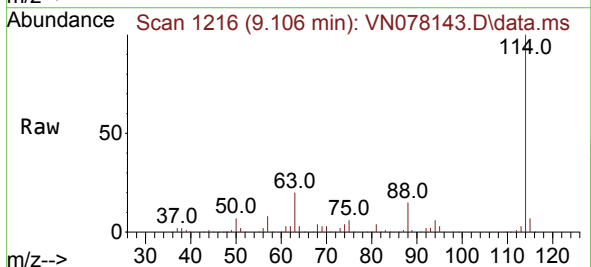
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MSVOA_N
ClientSampleId :

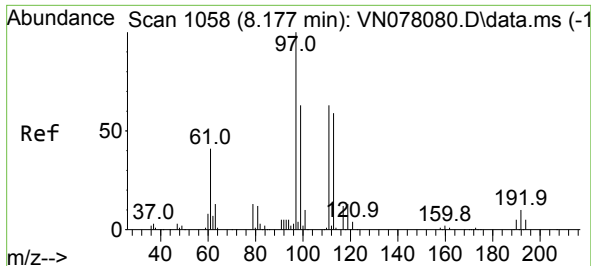
Tgt Ion: 65 Resp: 294463
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

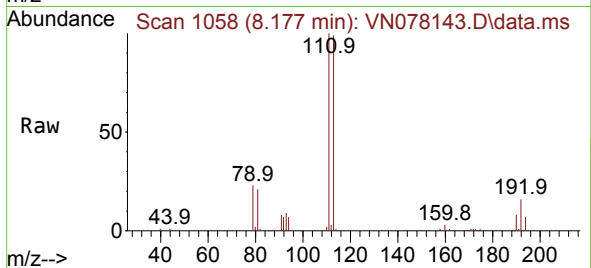
Tgt Ion: 114 Resp: 768570
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.4
88 14.6 0.0 30.6



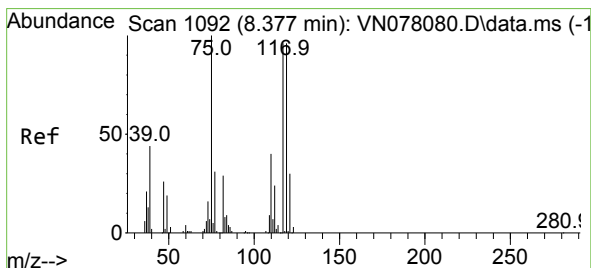
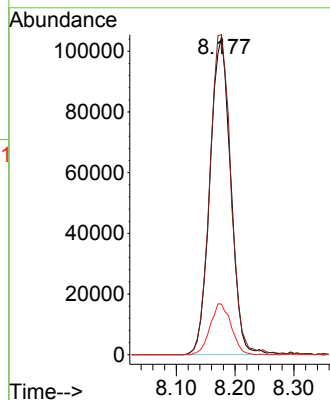
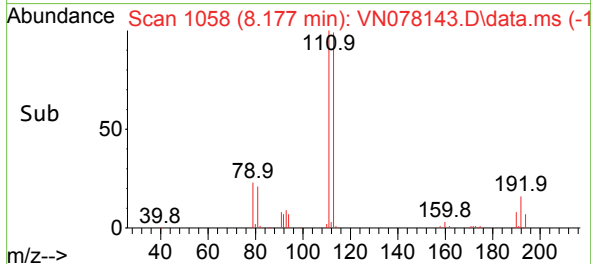


#35
 Dibromofluoromethane
 Concen: 52.844 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VN078143.D
 Acq: 09 Jun 2023 14:11

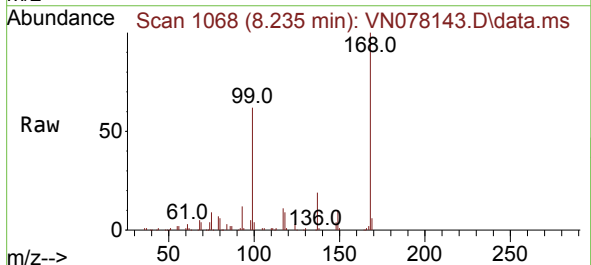
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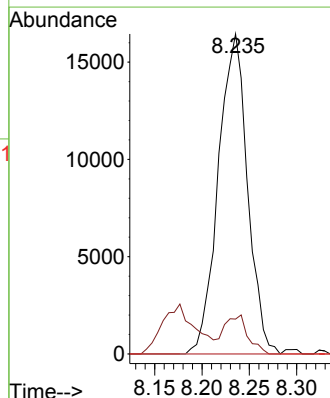
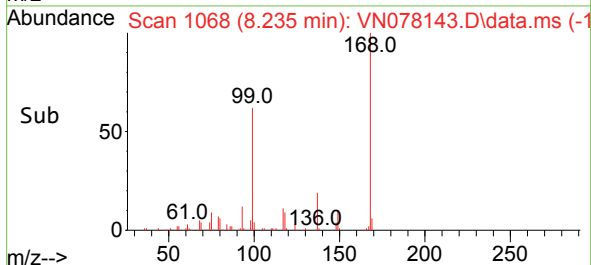
Tgt Ion: 113 Resp: 256801
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 16.2 12.7 19.1

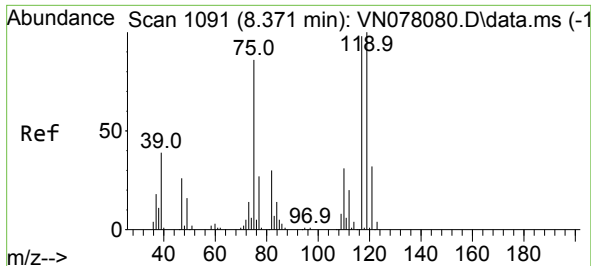


#36
 1,1-Dichloropropene
 Concen: 5.062 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078143.D
 Acq: 09 Jun 2023 14:11



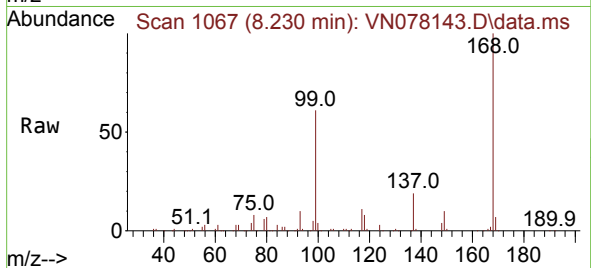
Tgt Ion: 75 Resp: 35284
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.3#
 77 0.0 25.0 37.4#



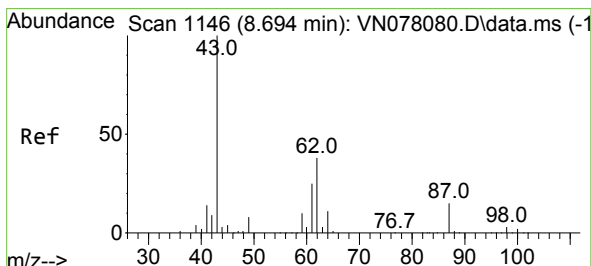
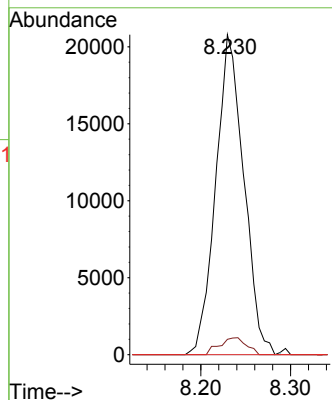
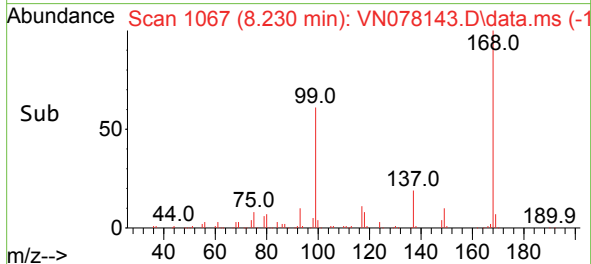


#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :

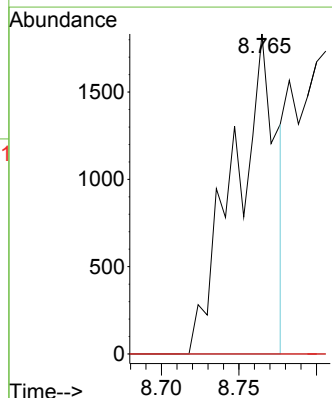
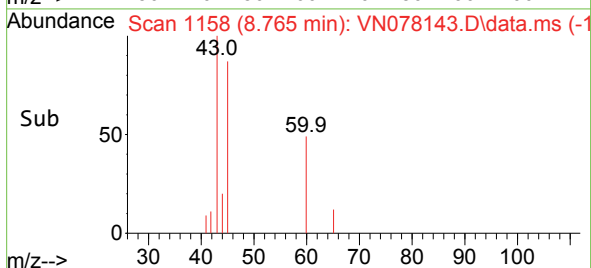
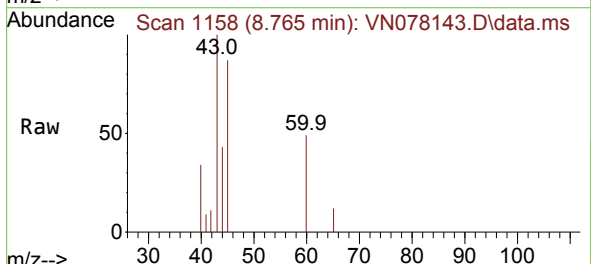


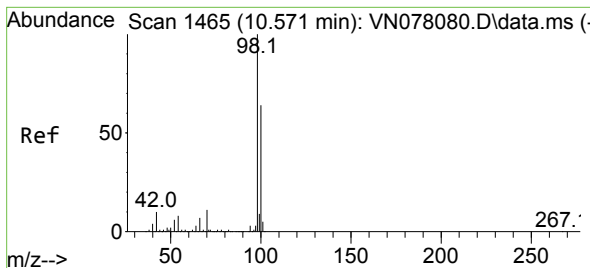
Tgt Ion:117 Resp: 45070
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.336 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

Tgt Ion: 43 Resp: 3503
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 49.280 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078143.D

Acq: 09 Jun 2023 14:11

Instrument :

MSVOA_N

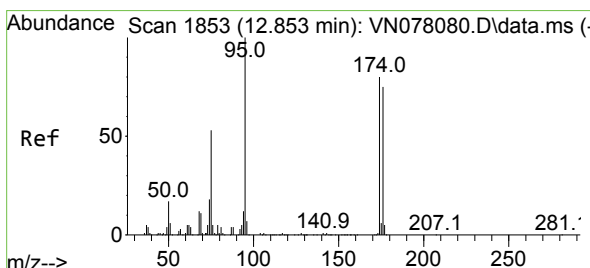
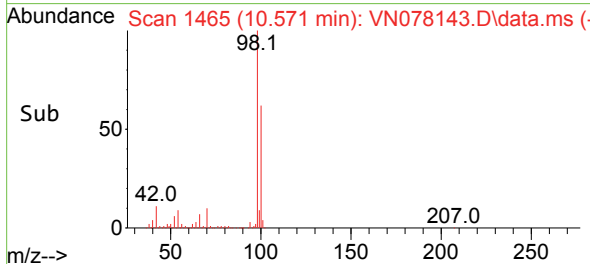
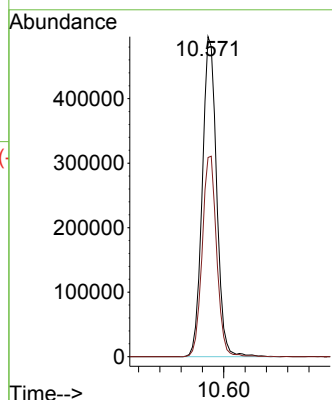
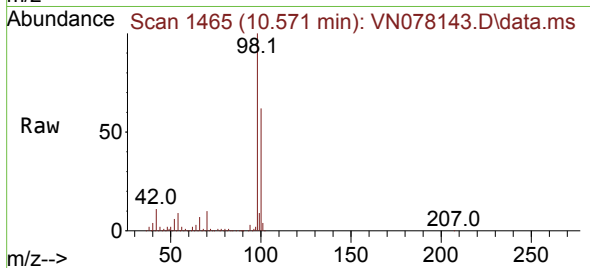
ClientSampleId :

Tgt Ion: 98 Resp: 923214

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.397 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN078143.D

Acq: 09 Jun 2023 14:11

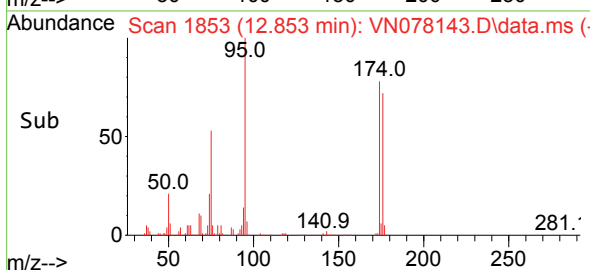
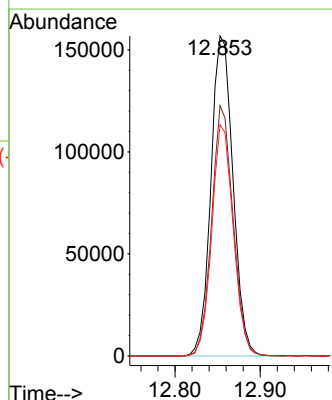
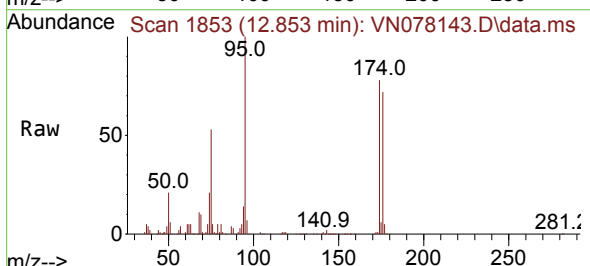
Tgt Ion: 95 Resp: 281861

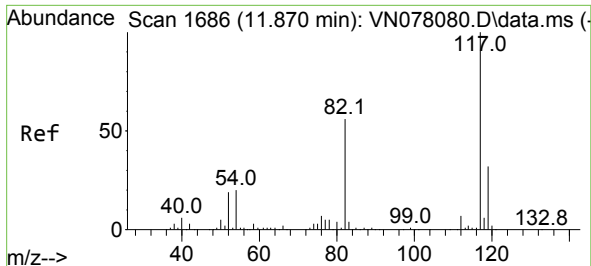
Ion Ratio Lower Upper

95 100

174 75.8 0.0 143.8

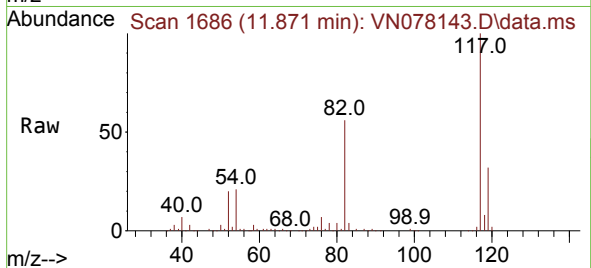
176 70.7 0.0 135.8



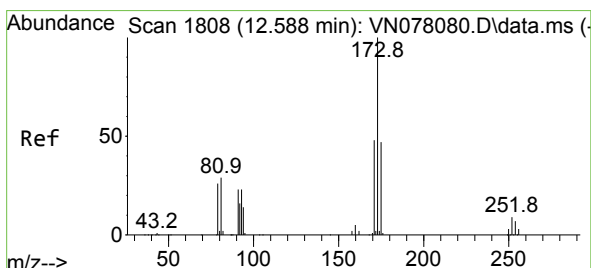
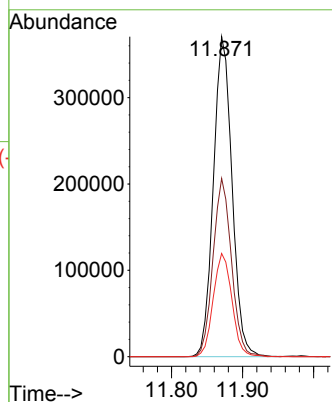
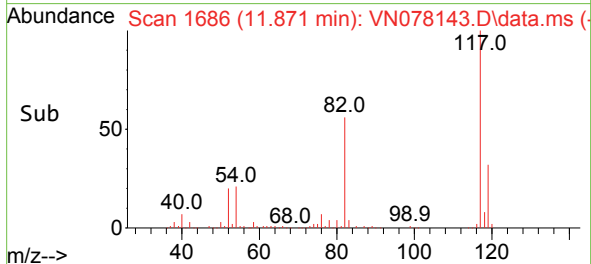


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11

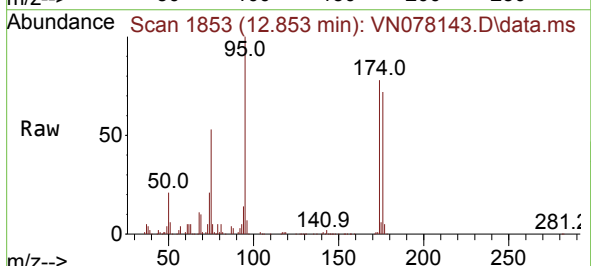
Instrument :
MSVOA_N
ClientSampleId :



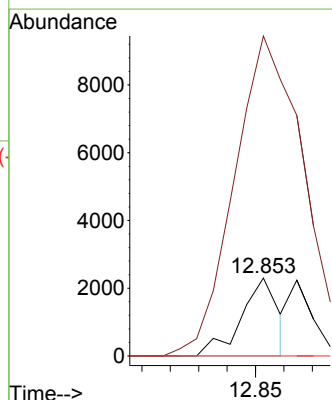
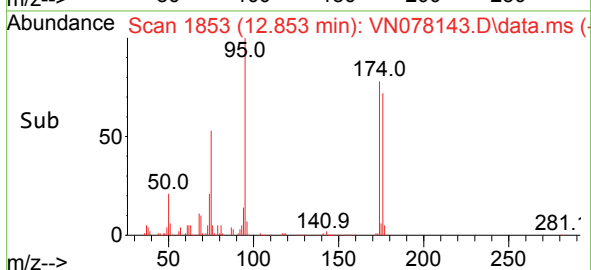
Tgt Ion:117 Resp: 675607
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 32.2 25.6 38.4

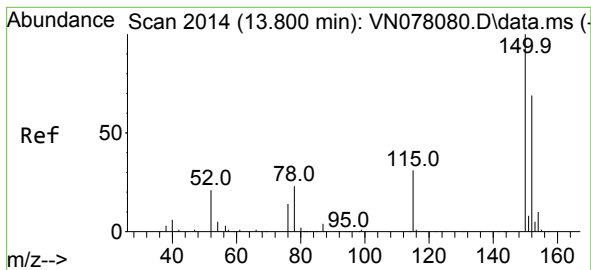


#71
Bromoform
Concen: 0.608 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078143.D
Acq: 09 Jun 2023 14:11



Tgt Ion:173 Resp: 2089
Ion Ratio Lower Upper
173 100
175 663.1 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# 20

Delta R.T. 0.000 min

Lab File: VN078143.D

Acq: 09 Jun 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

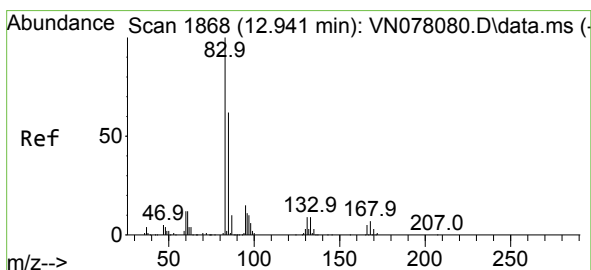
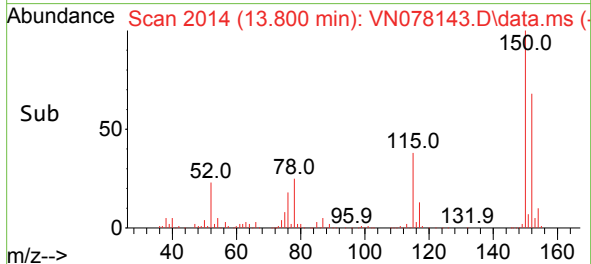
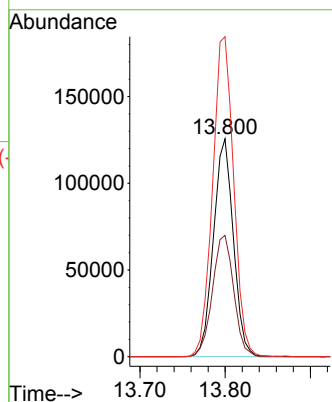
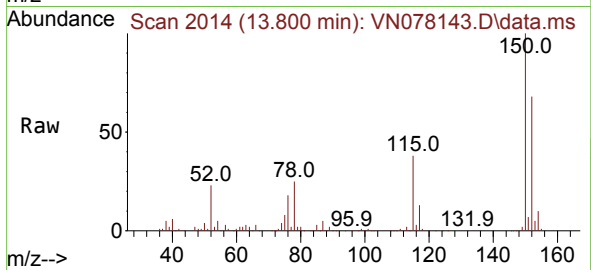
Tgt Ion:152 Resp: 204448

Ion Ratio Lower Upper

152 100

115 59.4 32.3 96.8

150 155.4 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.876 min Scan# 1857

Delta R.T. -0.065 min

Lab File: VN078143.D

Acq: 09 Jun 2023 14:11

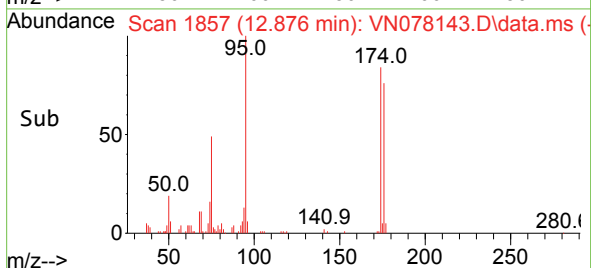
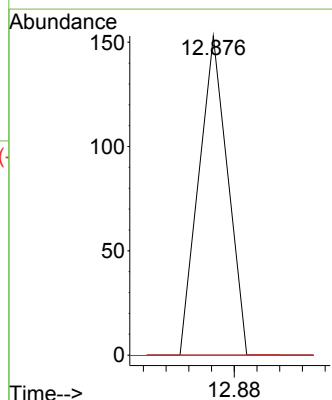
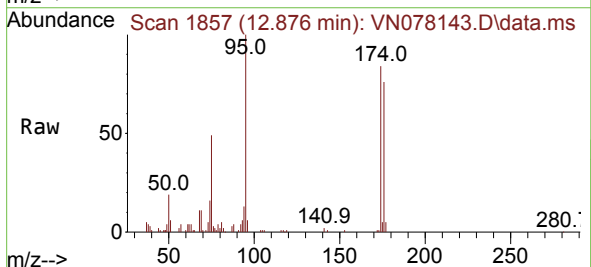
Tgt Ion: 83 Resp: 54

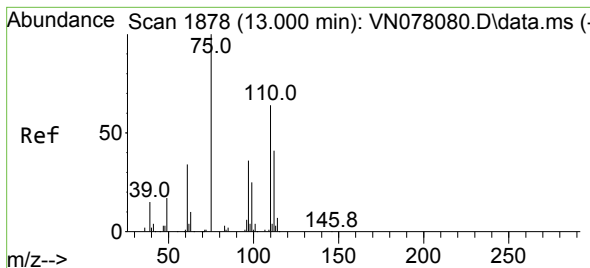
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 31.283 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078143.D

Acq: 09 Jun 2023 14:11

Instrument :

MSVOA_N

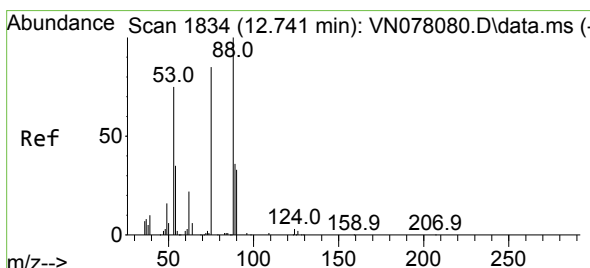
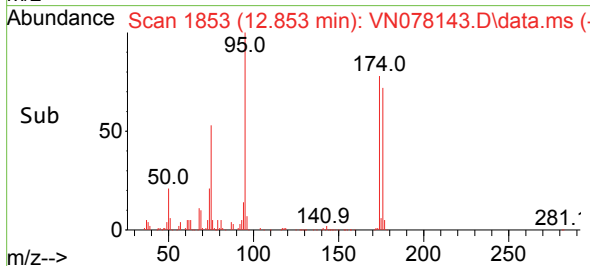
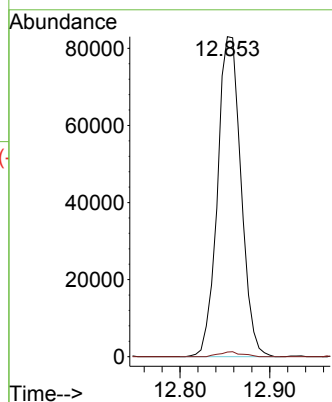
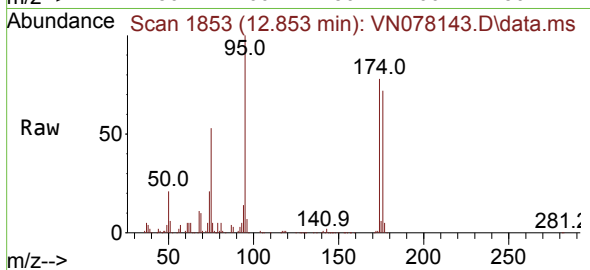
ClientSampleId :

Tgt Ion: 75 Resp: 151199

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.112 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078143.D

Acq: 09 Jun 2023 14:11

Tgt Ion: 75 Resp: 151199

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

