

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078118.D
 Acq On : 08 Jun 2023 10:11
 Operator : JC\MD
 Sample : VN0608WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBL01

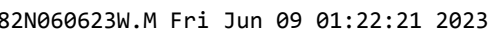
Quant Time: Jun 09 01:22:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	369873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	682366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	587129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	253692	51.443	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.880%	
35) Dibromofluoromethane	8.171	113	222299	51.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	10.571	98	844255	50.758	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	12.853	95	249391	48.231	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1062	Below Cal	#	85
11) Tert butyl alcohol	5.518	59	1367	2.008	ug/l #	72
13) Acrolein	4.200	56	187	0.249	ug/l #	68
16) Acetone	4.442	43	731	0.515	ug/l #	40
20) Methylene Chloride	5.283	84	1691	0.360	ug/l #	82
31) Cyclohexane	8.230	56	9370	1.481	ug/l #	58
36) 1,1-Dichloropropene	8.236	75	32855	5.309	ug/l #	48
38) Carbon Tetrachloride	8.236	117	40941	6.265	ug/l #	14
43) Isopropyl Acetate	8.771	43	3010	0.326	ug/l #	49
59) 2-Hexanone	11.206	43	951	0.281	ug/l	61
75) 1,1,2,2-Tetrachloroethane	12.947	83	57	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	135518	31.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	135518	98.149	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	690	0.297	ug/l #	68
94) Hexachlorobutadiene	15.512	225	674	Below Cal		88
95) Naphthalene	15.641	128	2902	0.372	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	957	0.369	ug/l	72

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

Quant Time: Jun 09 01:22:11 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078118.D

Acq: 08 Jun 2023 10:11

Instrument :

MSVOA_N

ClientSampleId :

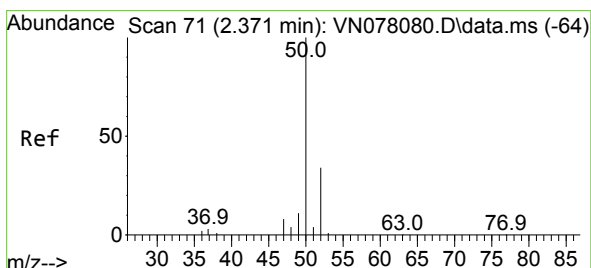
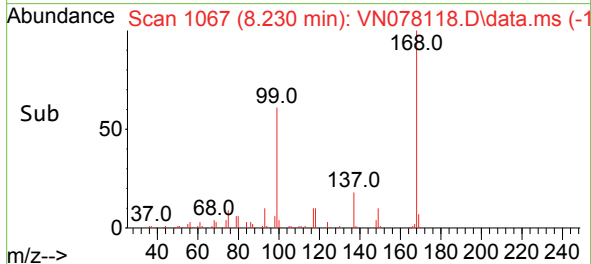
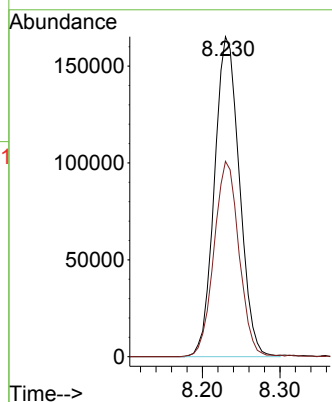
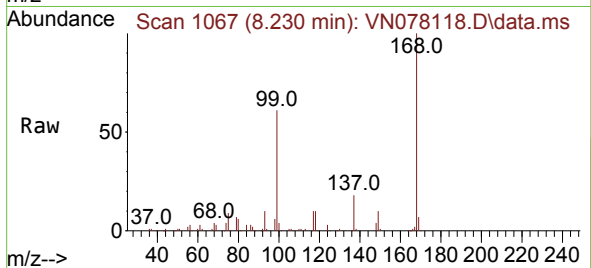
VN0608WBL01

Tgt Ion:168 Resp: 369873

Ion Ratio Lower Upper

168 100

99 61.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078118.D

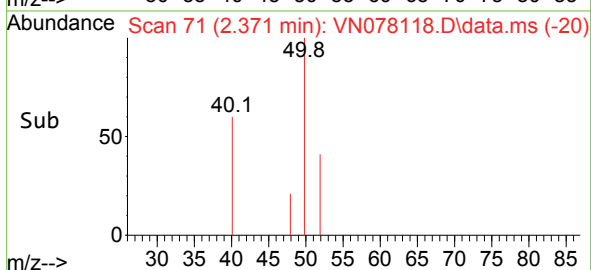
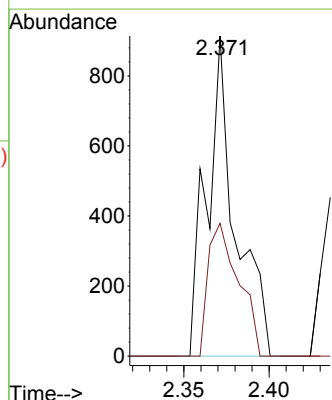
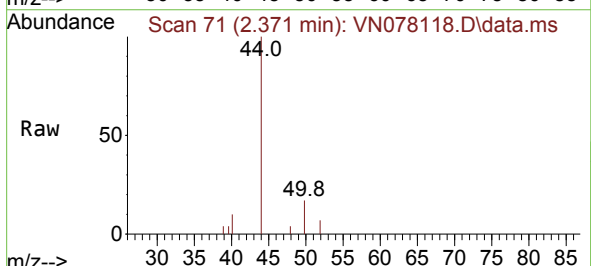
Acq: 08 Jun 2023 10:11

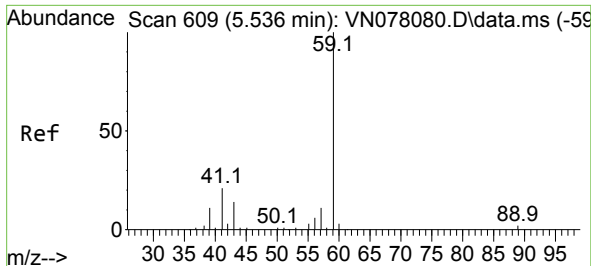
Tgt Ion: 50 Resp: 1062

Ion Ratio Lower Upper

50 100

52 41.5 26.5 39.7#

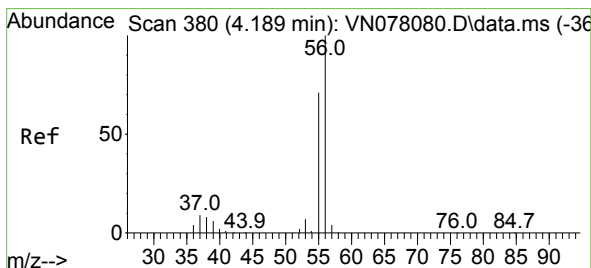
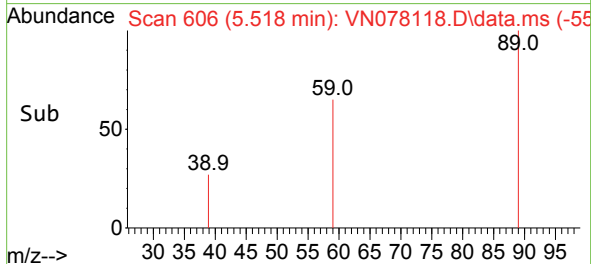
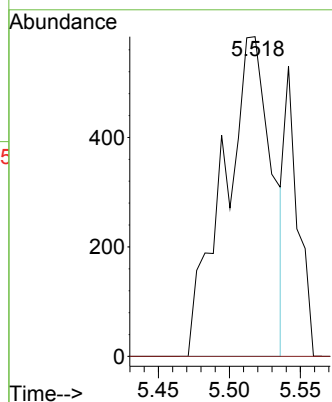
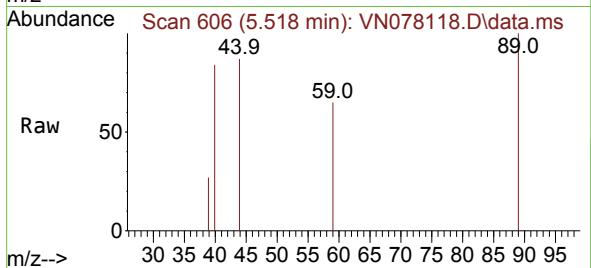




#11
Tert butyl alcohol
Concen: 2.008 ug/l
RT: 5.518 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

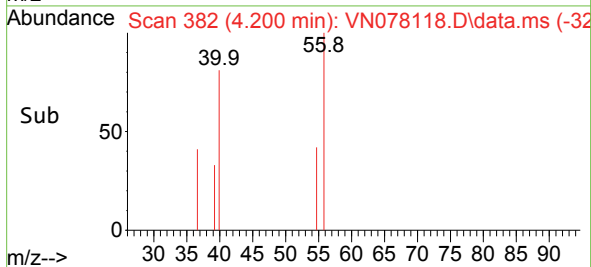
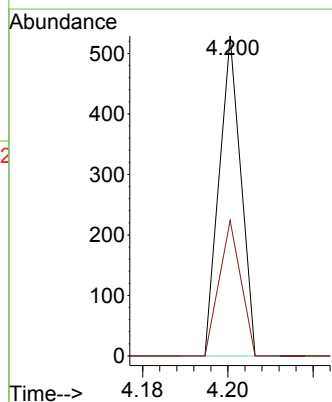
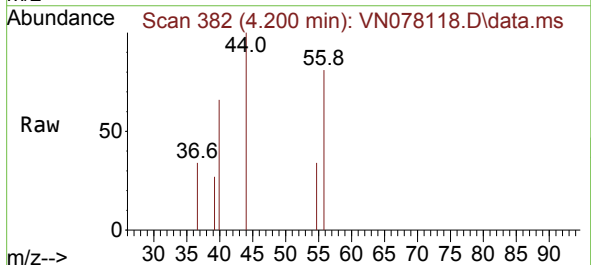
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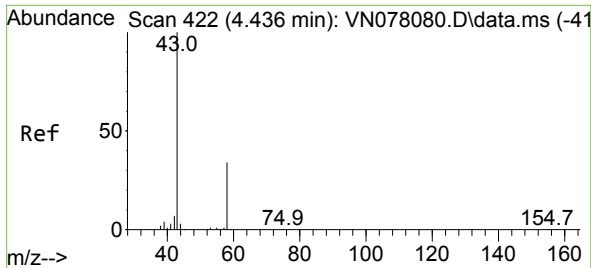
Tgt Ion: 59 Resp: 1367
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.249 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 42.2 54.5 81.7#

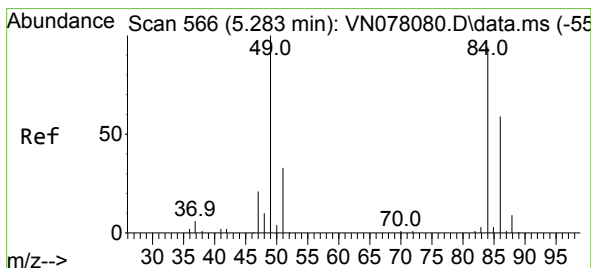
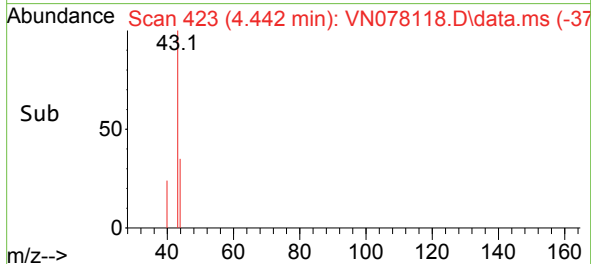
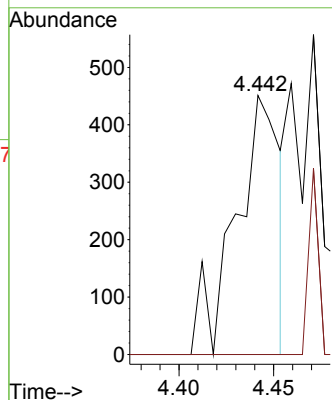
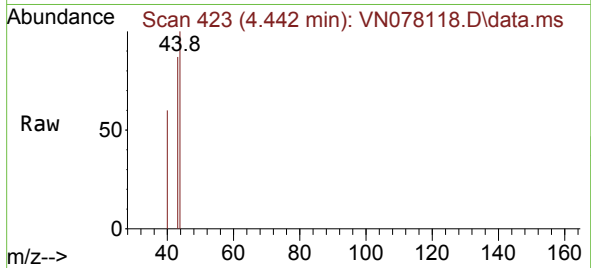




#16
Acetone
Concen: 0.515 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

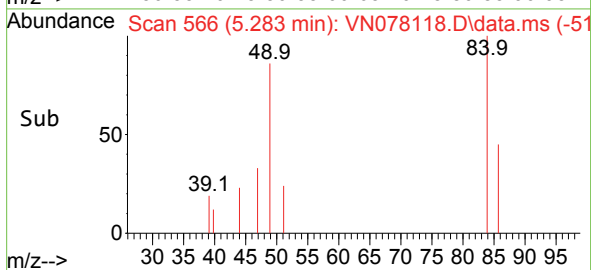
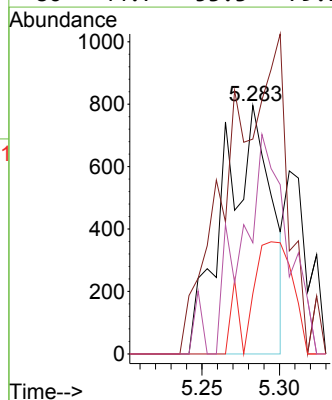
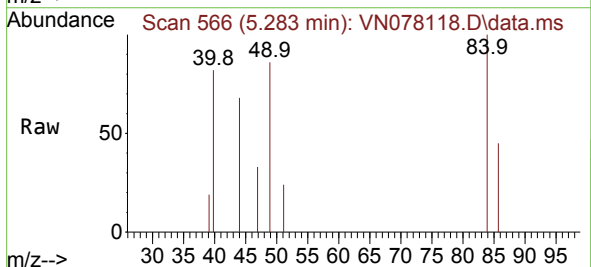
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

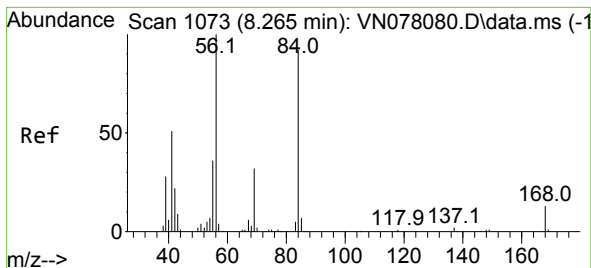
Tgt Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.360 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

Tgt Ion: 84 Resp: 1691
Ion Ratio Lower Upper
84 100
49 86.4 79.7 119.5
51 24.2 25.2 37.8#
86 44.7 53.3 79.9#





#31

Cyclohexane

Concen: 1.481 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078118.D

Acq: 08 Jun 2023 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBL01

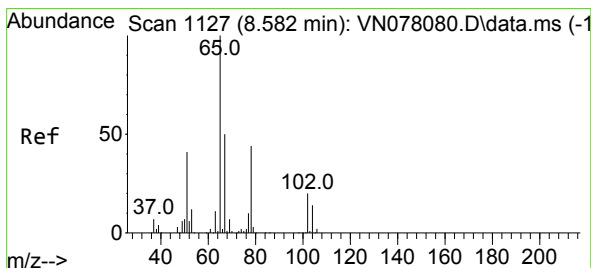
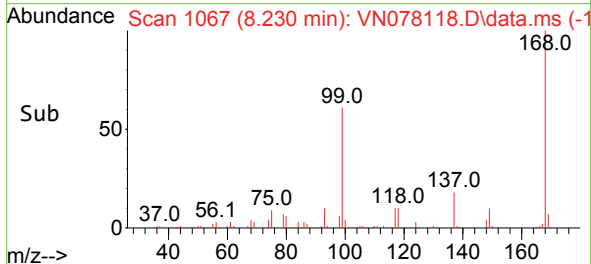
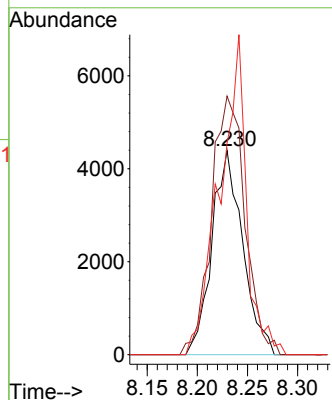
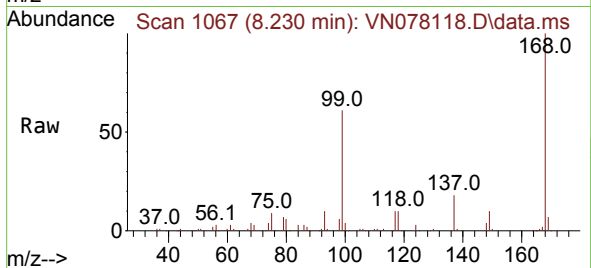
Tgt Ion: 56 Resp: 9370

Ion Ratio Lower Upper

56 100

69 126.7 26.8 40.2#

84 103.7 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.443 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078118.D

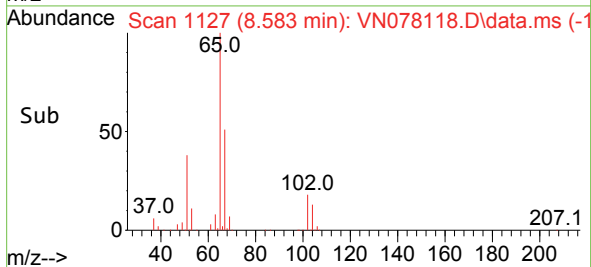
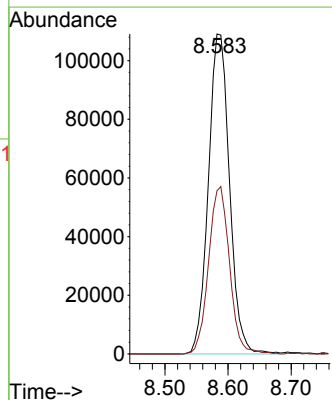
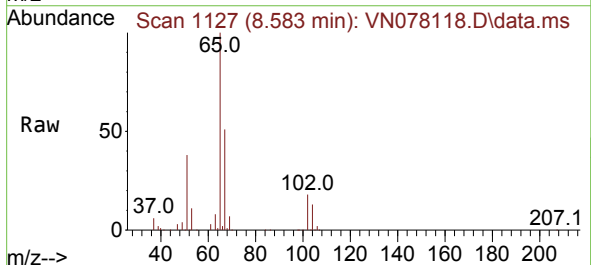
Acq: 08 Jun 2023 10:11

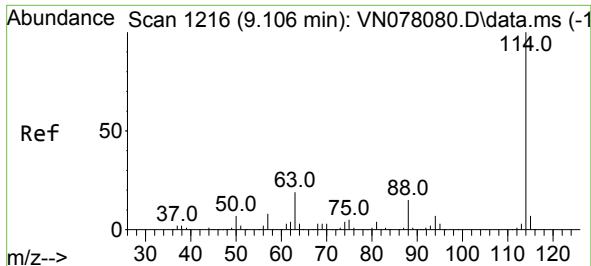
Tgt Ion: 65 Resp: 253692

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6

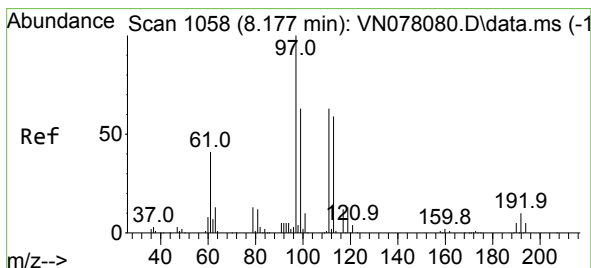
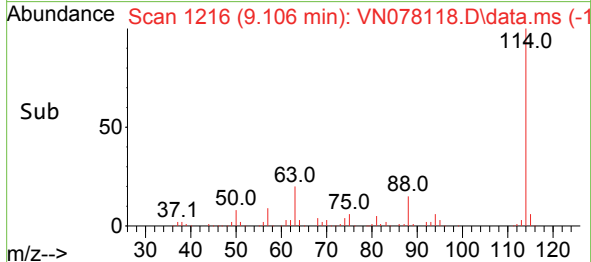
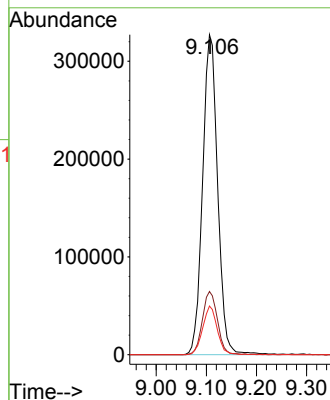
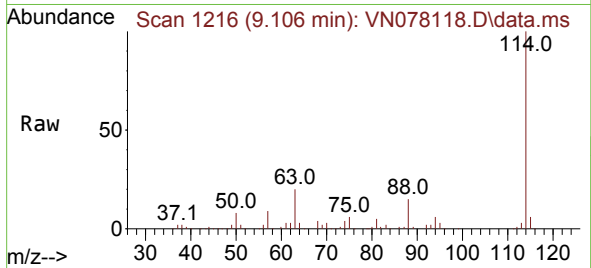




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

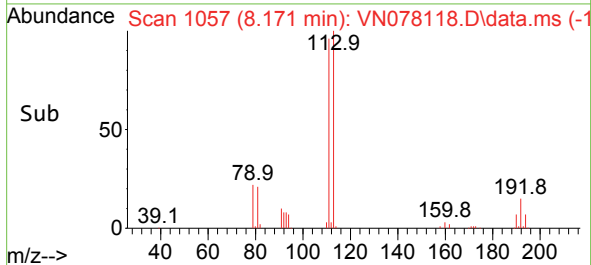
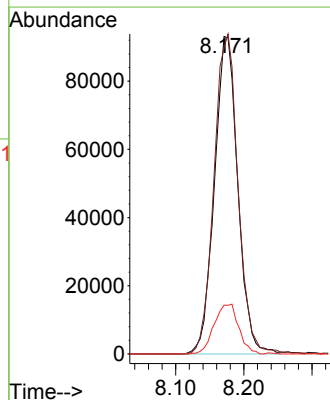
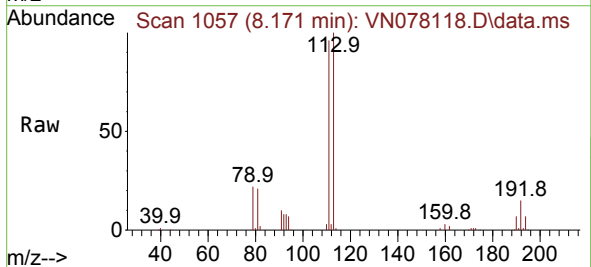
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

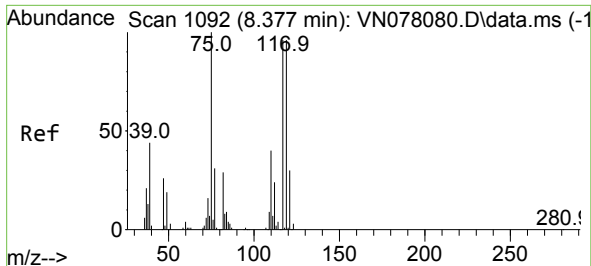
Tgt Ion:114 Resp: 682366
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.524 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

Tgt Ion:113 Resp: 222299
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 16.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.309 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078118.D

Acq: 08 Jun 2023 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBL01

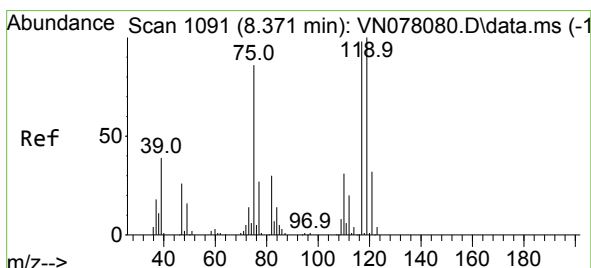
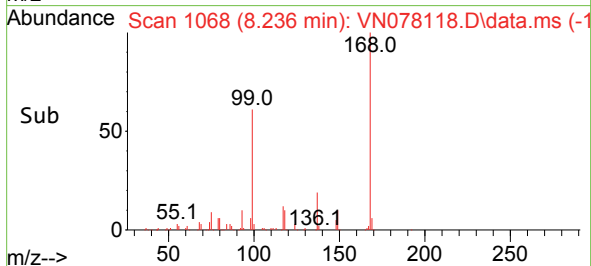
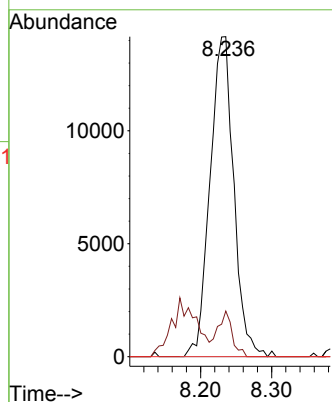
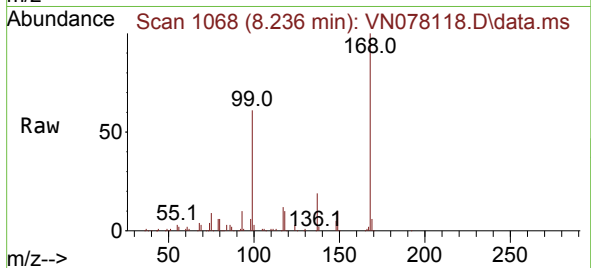
Tgt Ion: 75 Resp: 32855

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.265 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078118.D

Acq: 08 Jun 2023 10:11

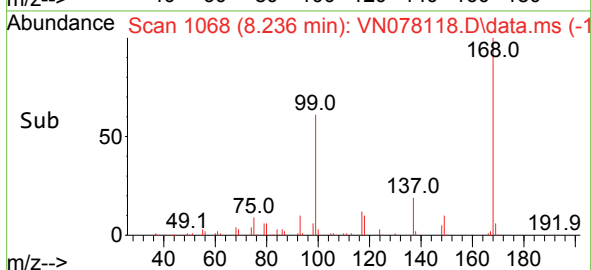
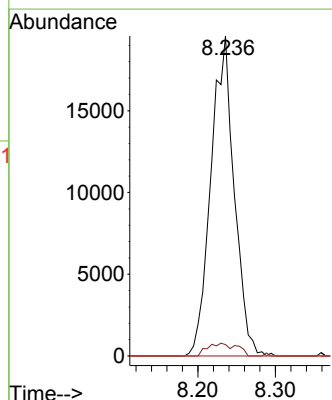
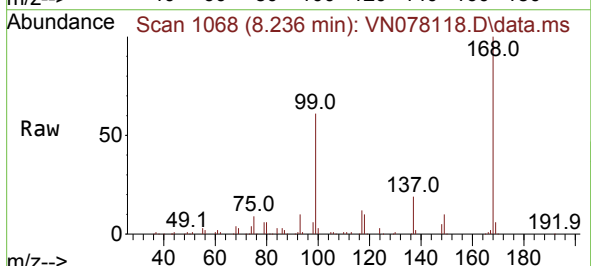
Tgt Ion: 117 Resp: 40941

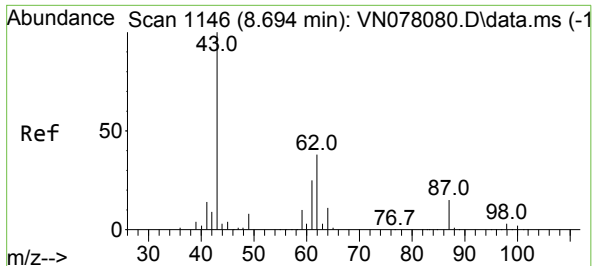
Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 23.3 34.9#

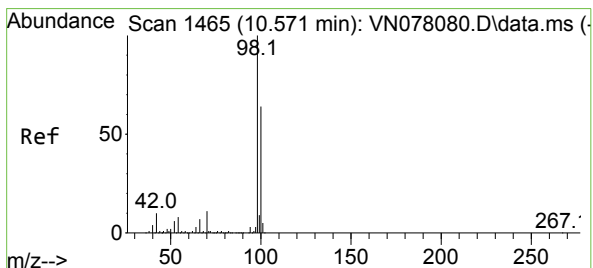
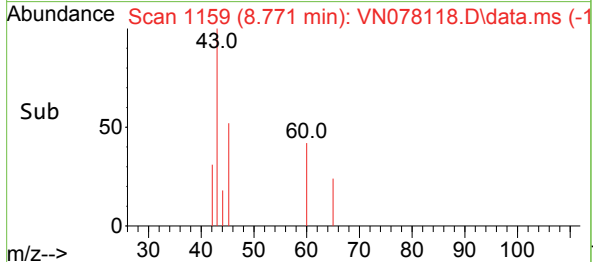
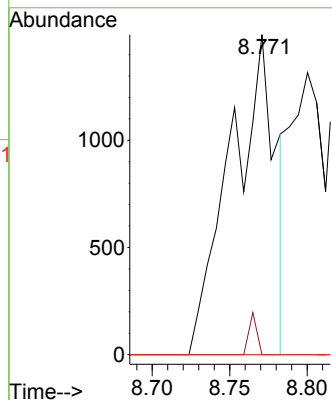
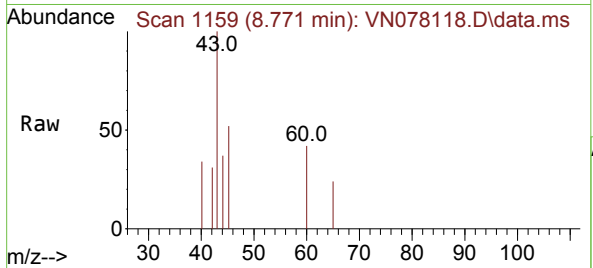




#43
Isopropyl Acetate
Concen: 0.326 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.077 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

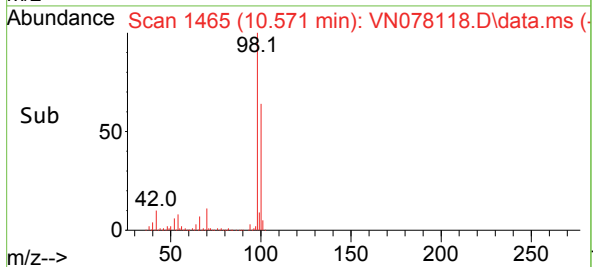
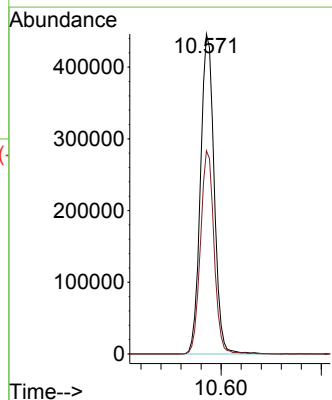
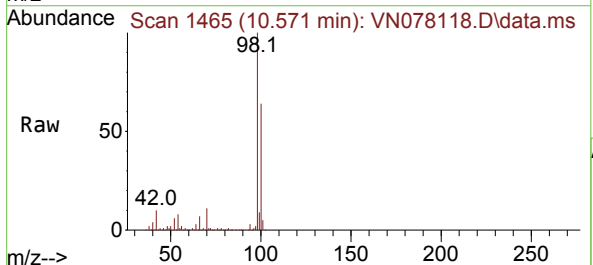
Instrument :
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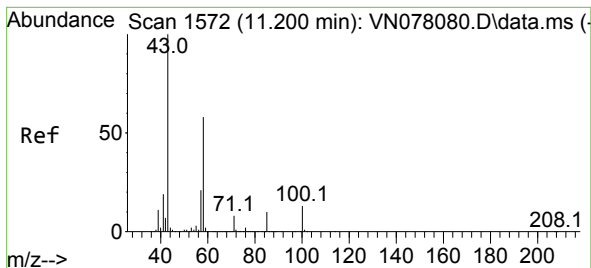
Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.758 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

Tgt Ion: 98 Resp: 844255
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

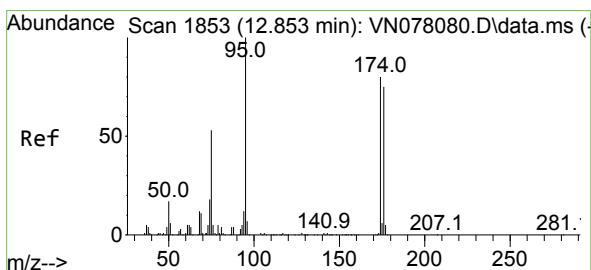
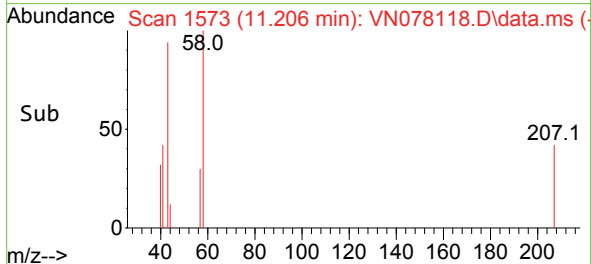
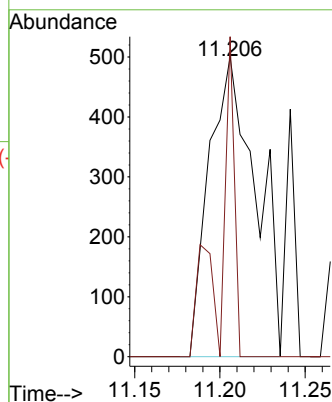
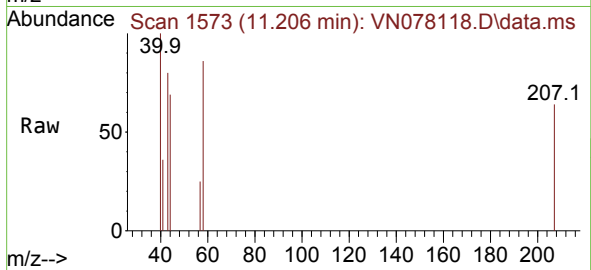




#59
2-Hexanone
Concen: 0.281 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

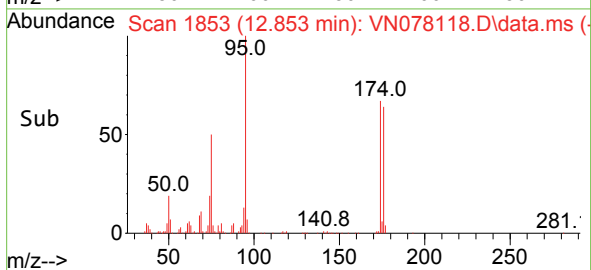
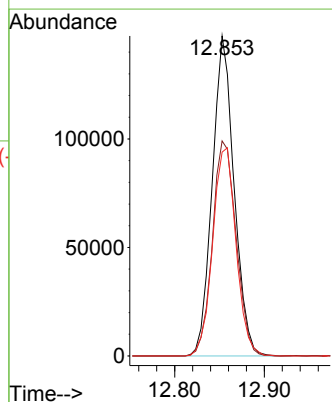
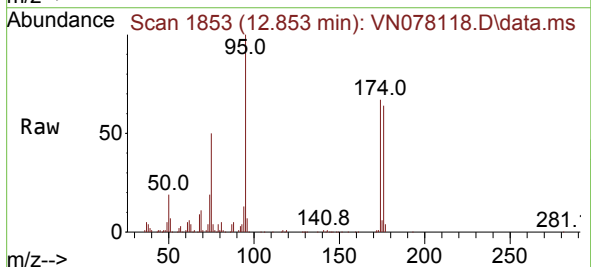
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

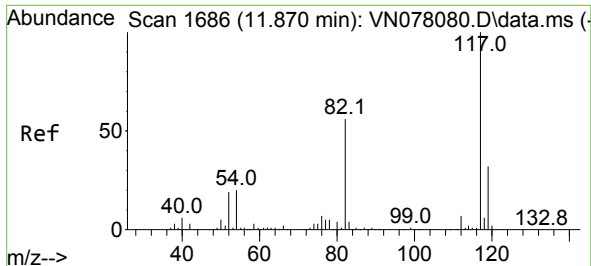
Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 33.1 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 48.231 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

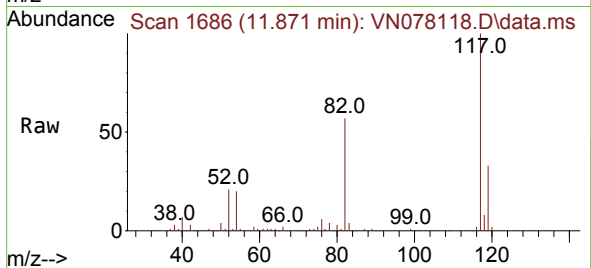
Tgt Ion: 95 Resp: 249391
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 69.5 0.0 135.8



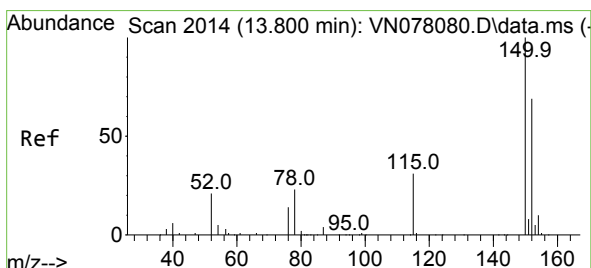
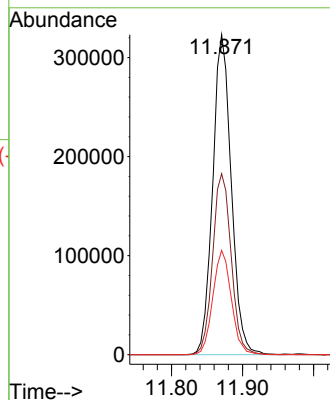
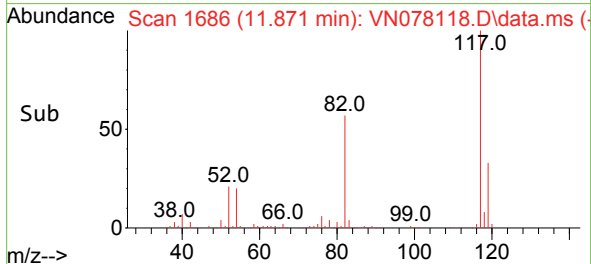


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

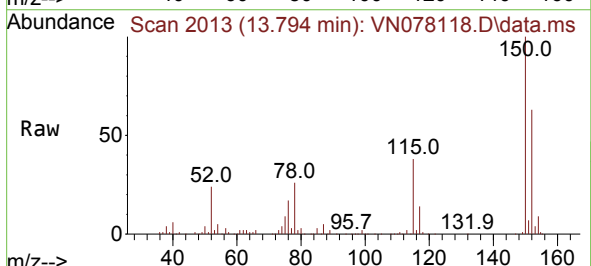
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01



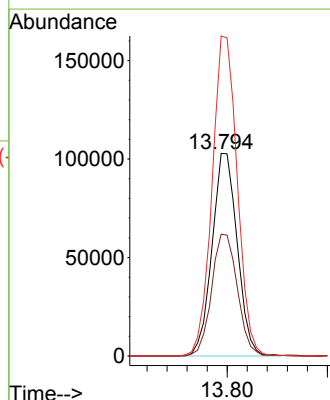
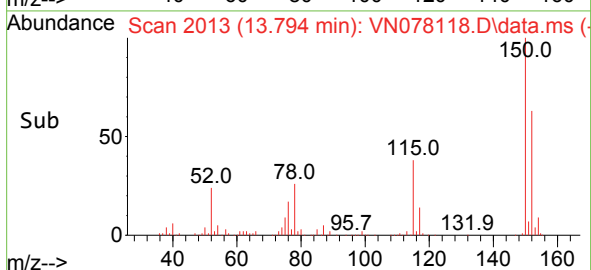
Tgt Ion:117 Resp: 587129
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 32.6 25.6 38.4

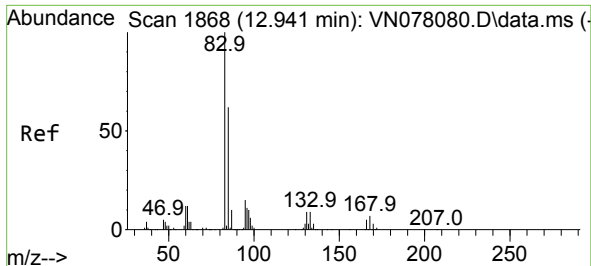


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11



Tgt Ion:152 Resp: 179442
Ion Ratio Lower Upper
152 100
115 61.5 32.3 96.8
150 157.6 0.0 355.8

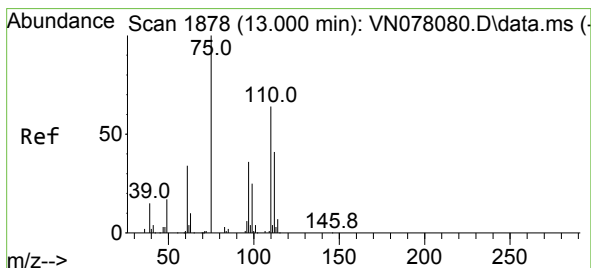
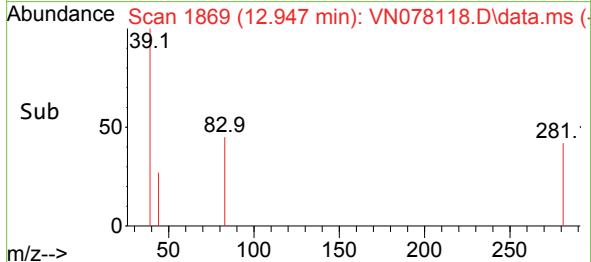
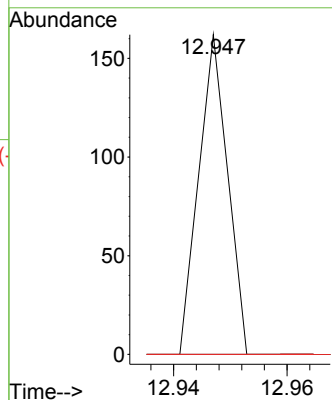
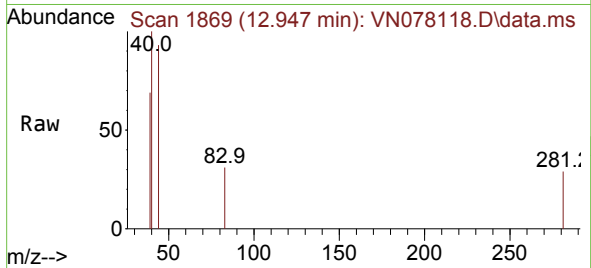




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

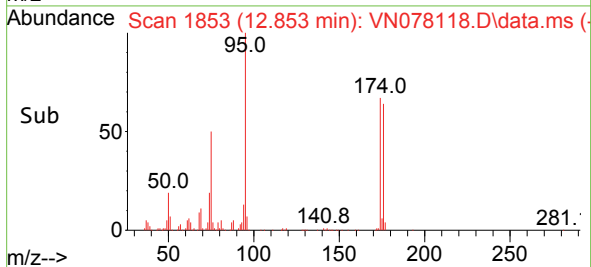
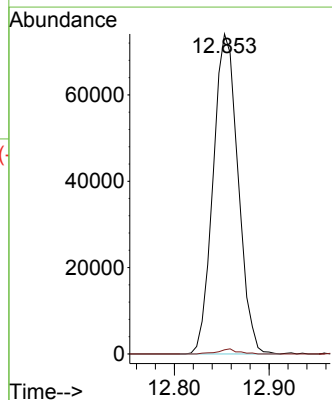
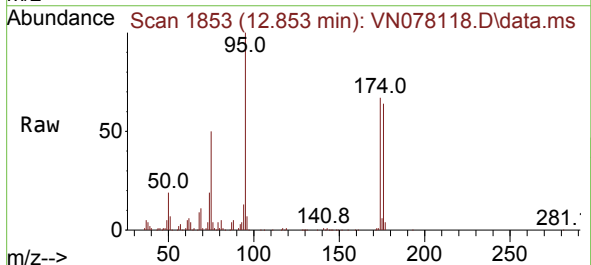
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

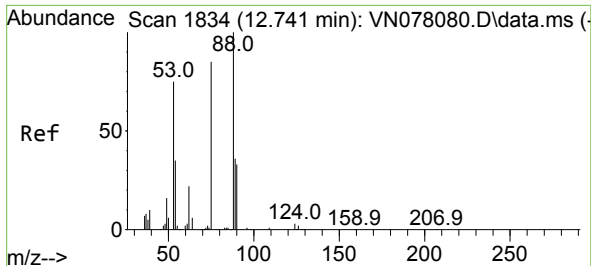
Tgt Ion: 83 Resp: 57
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.946 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

Tgt Ion: 75 Resp: 135518
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#

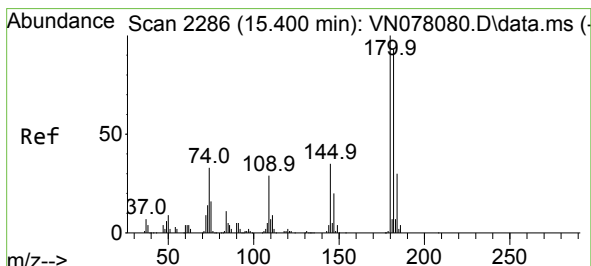
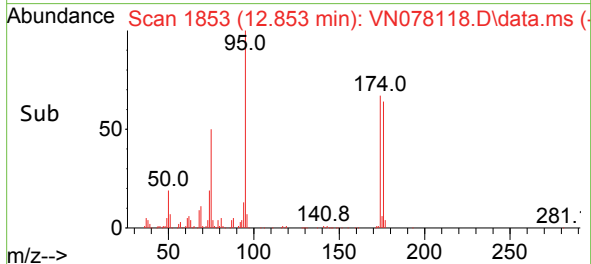
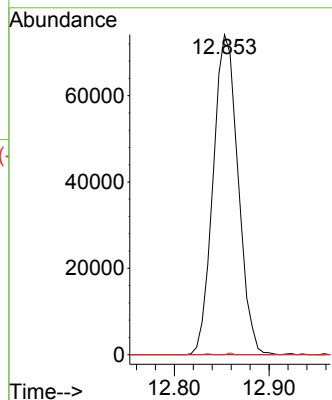
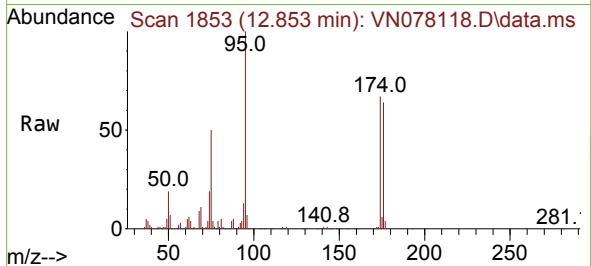




#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.149 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078118.D
 Acq: 08 Jun 2023 10:11

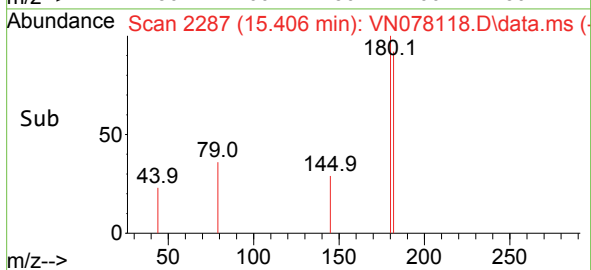
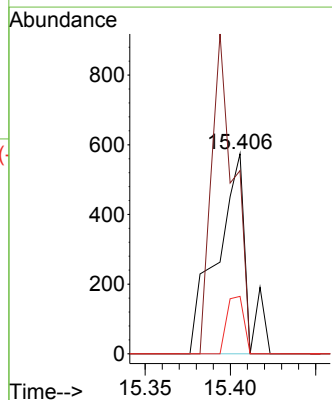
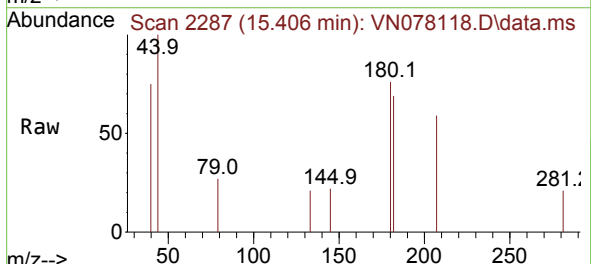
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBL01

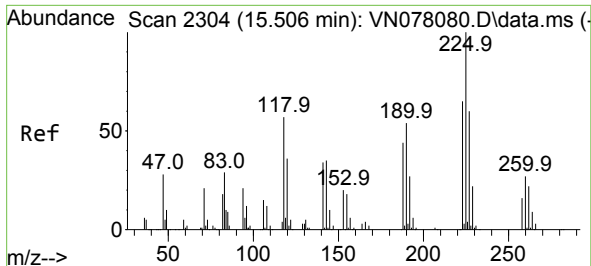
Tgt Ion: 75 Resp: 135518
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.297 ug/l
 RT: 15.406 min Scan# 2287
 Delta R.T. 0.006 min
 Lab File: VN078118.D
 Acq: 08 Jun 2023 10:11

Tgt Ion:180 Resp: 690
 Ion Ratio Lower Upper
 180 100
 182 122.9 46.1 138.2
 145 16.5 16.6 49.8#

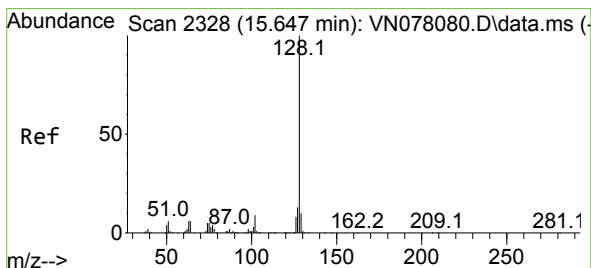
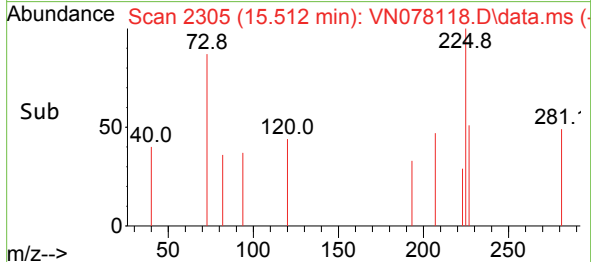
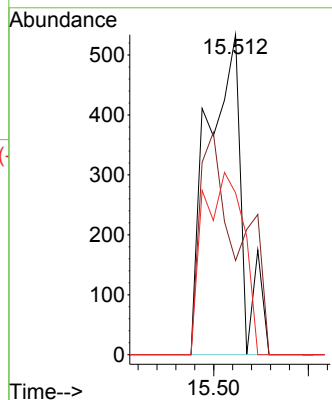
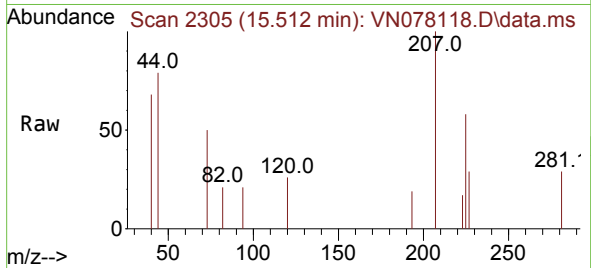




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.512 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

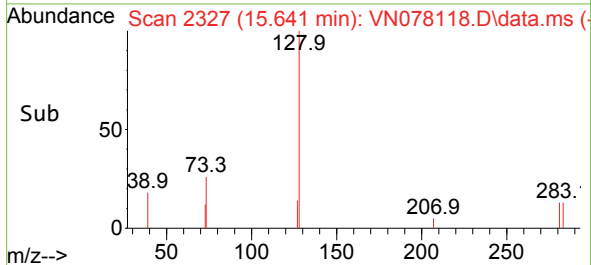
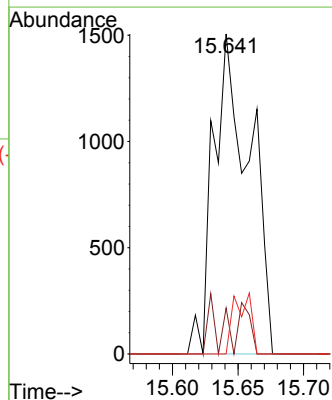
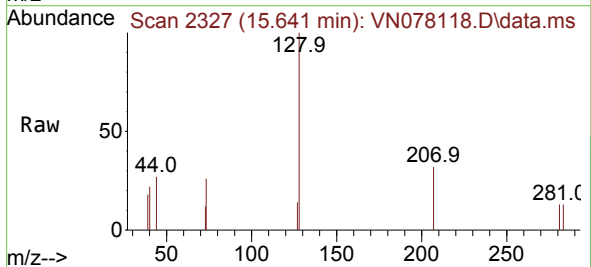
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBL01

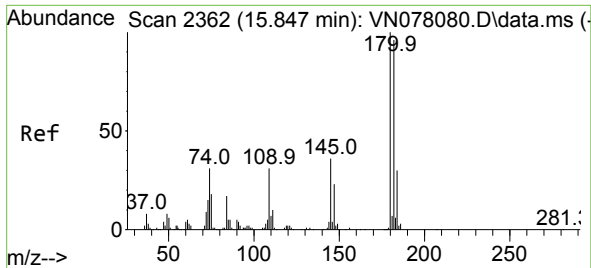
Tgt Ion:225 Resp: 674
Ion Ratio Lower Upper
225 100
223 79.2 31.3 93.8
227 66.5 31.9 95.9



#95
Naphthalene
Concen: 0.372 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078118.D
Acq: 08 Jun 2023 10:11

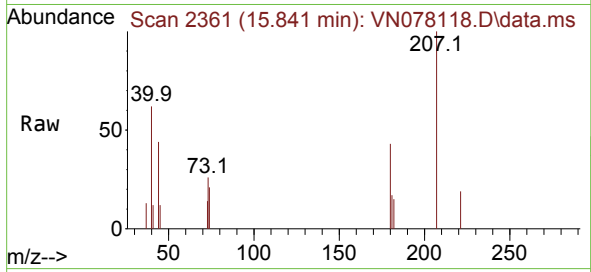
Tgt Ion:128 Resp: 2902
Ion Ratio Lower Upper
128 100
127 5.2 10.0 15.0#
129 8.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.369 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078118.D
 Acq: 08 Jun 2023 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBL01



Tgt Ion:180 Resp: 957
 Ion Ratio Lower Upper
 180 100
 182 63.2 46.2 138.6
 145 22.5 17.5 52.6

