

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078233.D
 Acq On : 15 Jun 2023 17:09
 Operator : JC\MD
 Sample : 03231-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 06:09:25 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)

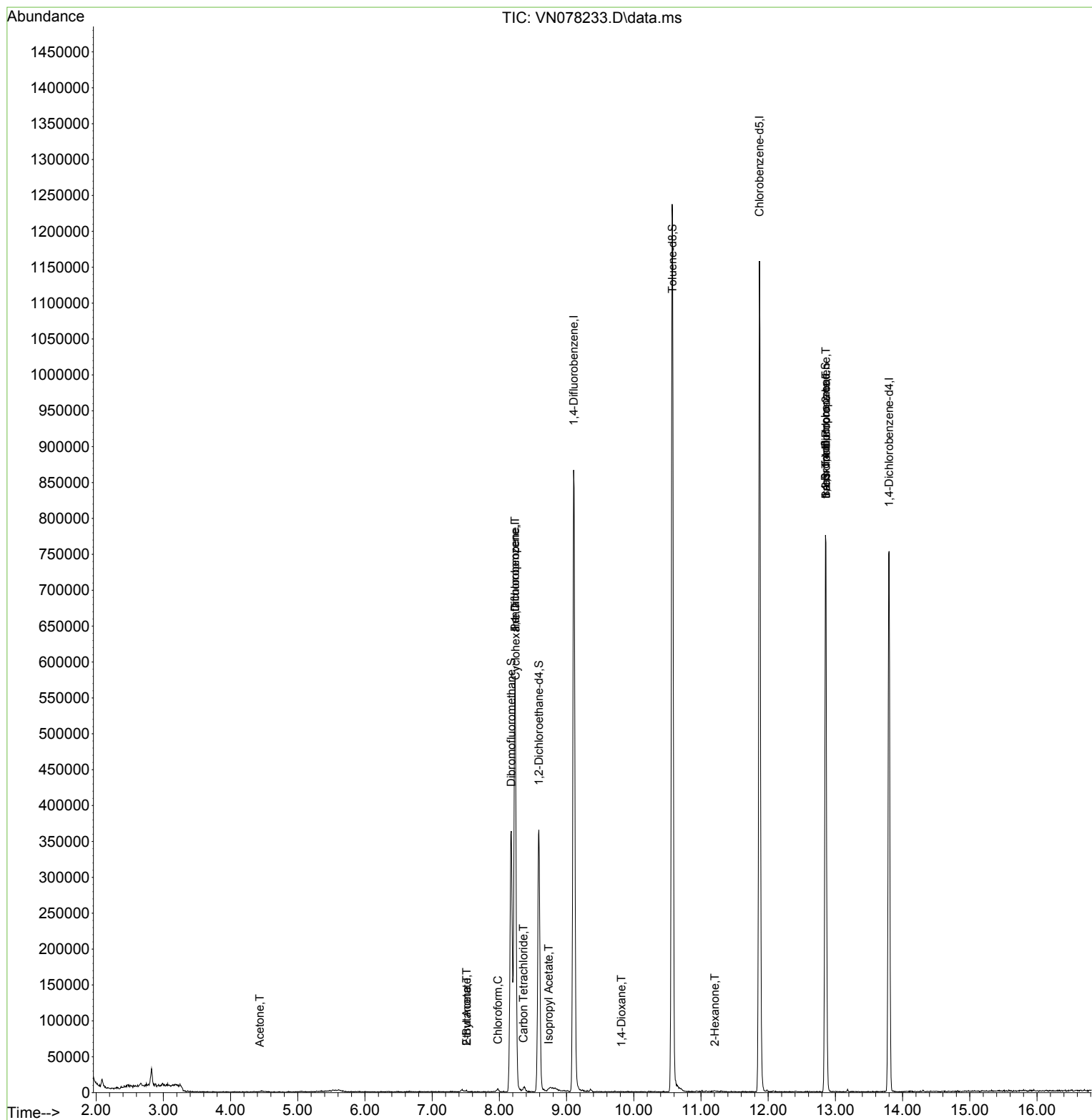
Internal Standards						
1) Pentafluorobenzene	8.235	168	417162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	771218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	677063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304128	54.679	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.360%		
35) Dibromofluoromethane	8.177	113	260424	53.406	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.820%		
50) Toluene-d8	10.576	98	907228	48.260	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.520%		
62) 4-Bromofluorobenzene	12.853	95	277540	47.491	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2775	Below Cal	#	81
16) Acetone	4.436	43	802	0.501	ug/l #	40
25) 2-Butanone	7.512	43	1751	0.711	ug/l #	68
30) Chloroform	7.977	83	4021	0.433	ug/l	86
31) Cyclohexane	8.241	56	10207	1.431	ug/l #	44
36) 1,1-Dichloropropene	8.235	75	35721	5.107	ug/l #	49
37) Ethyl Acetate	7.512	43	1751	0.320	ug/l #	72
38) Carbon Tetrachloride	8.359	117	4040	0.547	ug/l #	86
43) Isopropyl Acetate	8.735	43	2377	0.227	ug/l #	49
49) 1,4-Dioxane	9.818	88	59	0.640	ug/l #	1
59) 2-Hexanone	11.206	43	933	0.244	ug/l #	52
71) Bromoform	12.859	173	2740	0.796	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.847	83	280	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.859	75	150096	30.182	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	150096	92.729	ug/l #	15

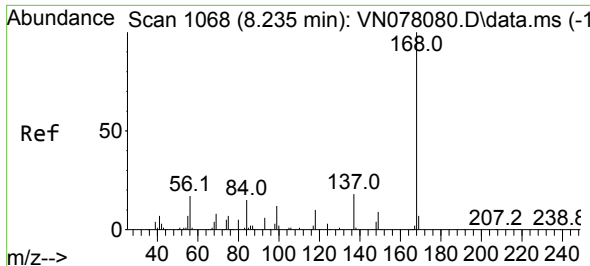
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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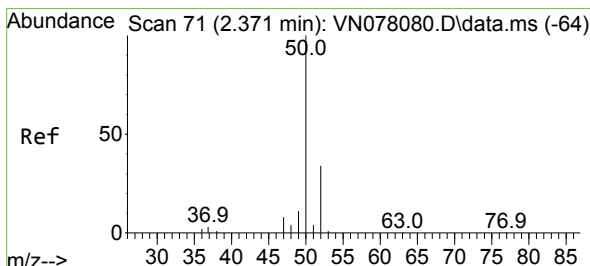
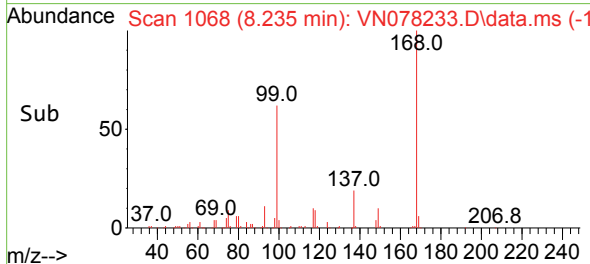
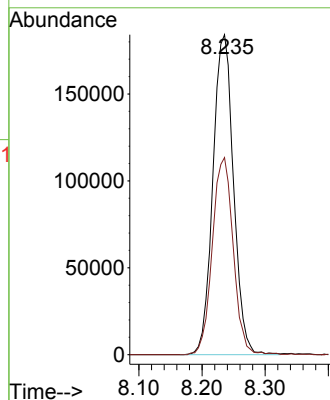
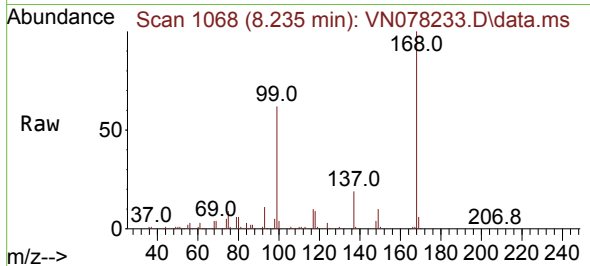




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

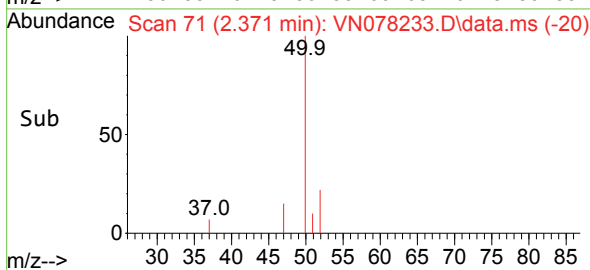
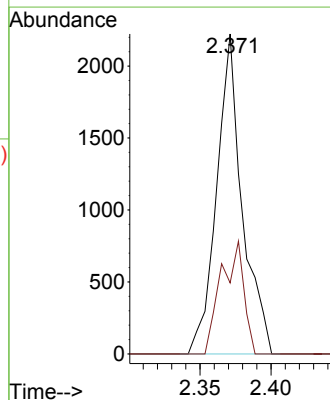
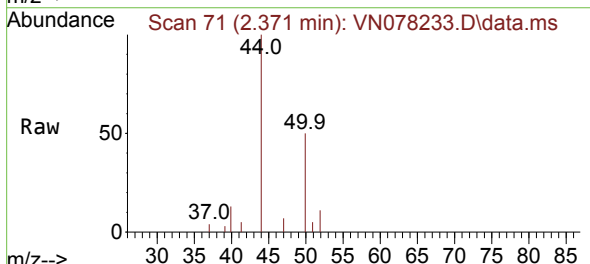
Instrument :
MSVOA_N
ClientSampleId :

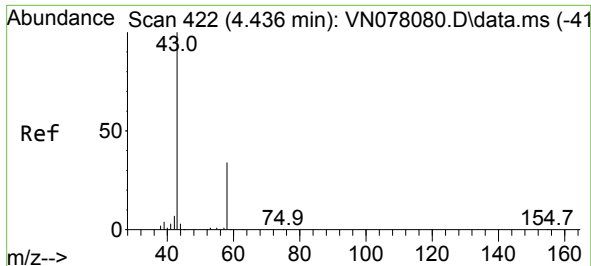
Tgt Ion:168 Resp: 417162
Ion Ratio Lower Upper
168 100
99 61.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

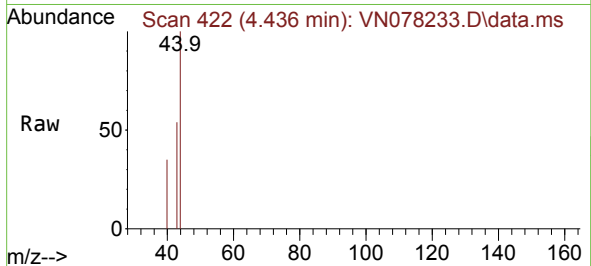
Tgt Ion: 50 Resp: 2775
Ion Ratio Lower Upper
50 100
52 22.2 26.5 39.7#



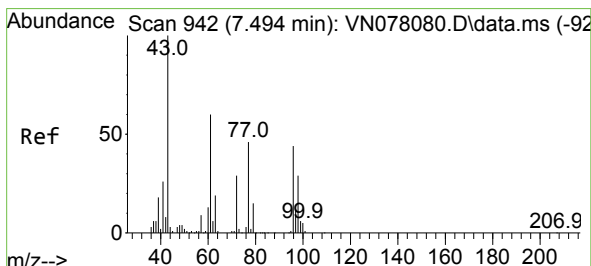
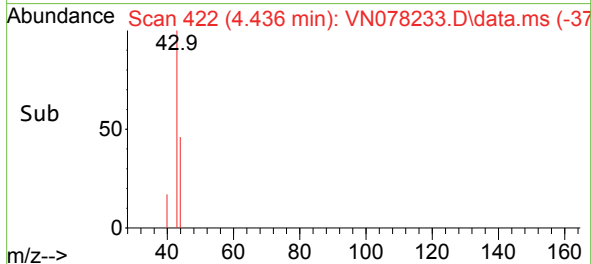
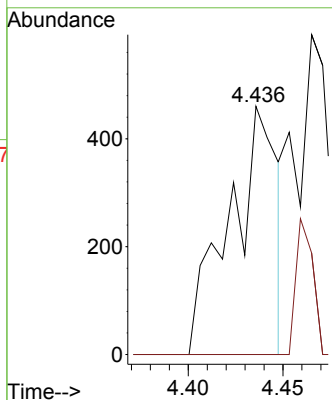


#16
Acetone
Concen: 0.501 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

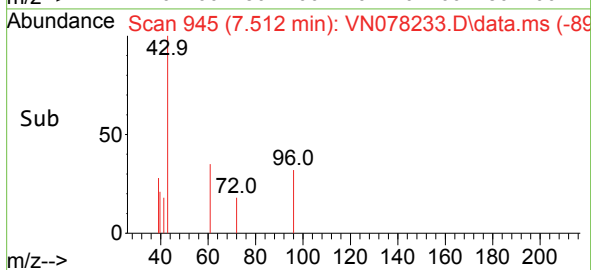
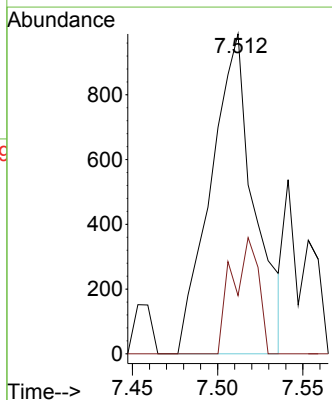
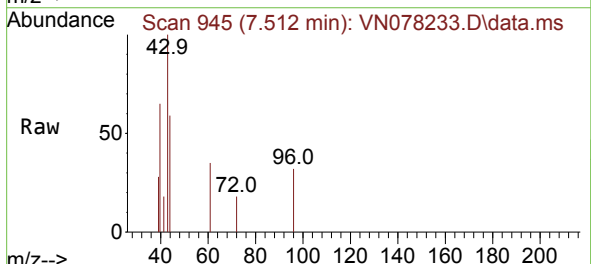


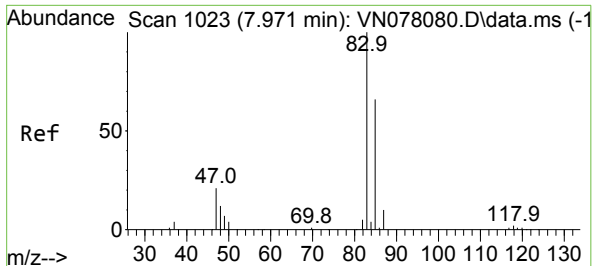
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#25
2-Butanone
Concen: 0.711 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

Tgt Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
72 18.2 30.2 45.2#





#30

Chloroform

Concen: 0.433 ug/l

RT: 7.977 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

Instrument :

MSVOA_N

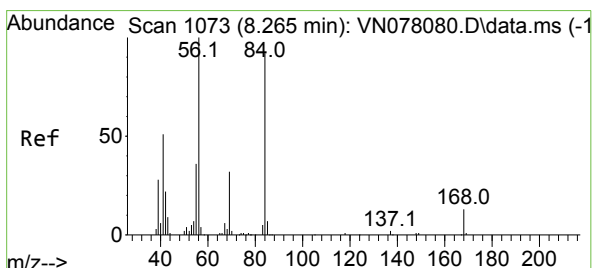
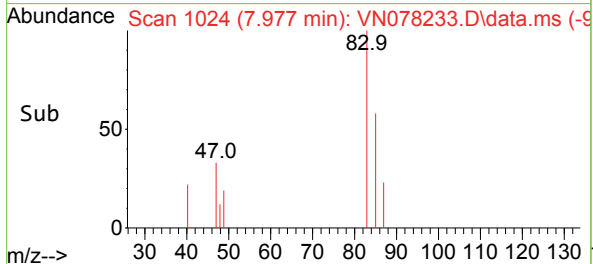
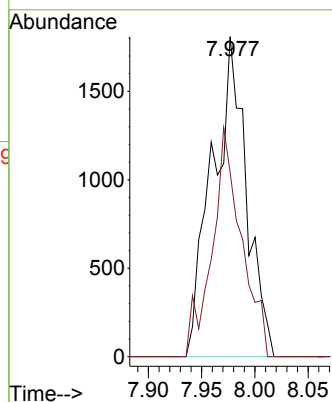
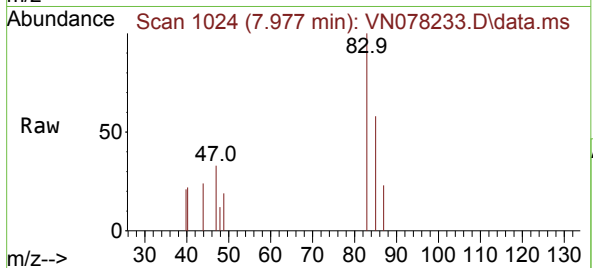
ClientSampleId :

Tgt Ion: 83 Resp: 4021

Ion Ratio Lower Upper

83 100

85 57.7 55.4 83.0



#31

Cyclohexane

Concen: 1.431 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.024 min

Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

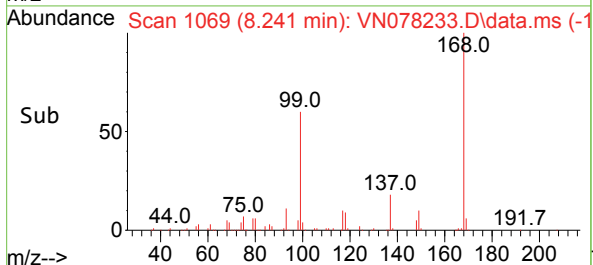
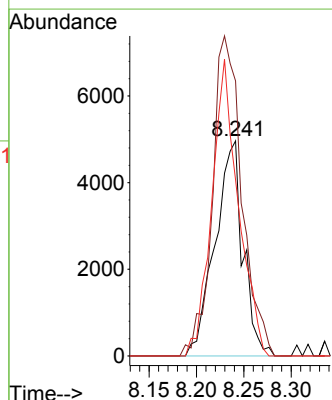
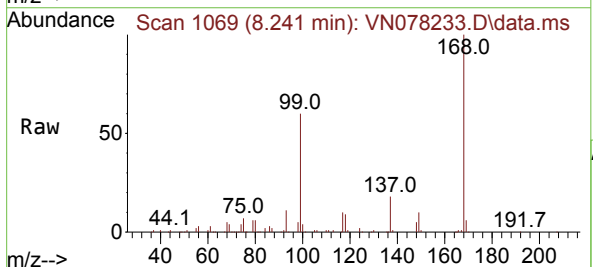
Tgt Ion: 56 Resp: 10207

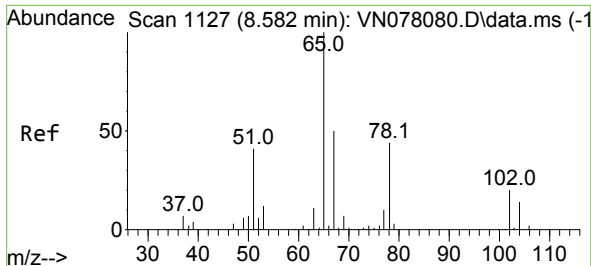
Ion Ratio Lower Upper

56 100

69 128.0 26.8 40.2#

84 81.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.679 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

Instrument :

MSVOA_N

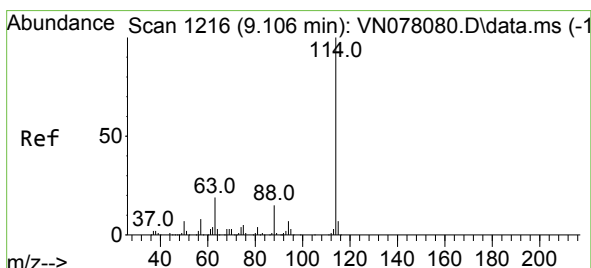
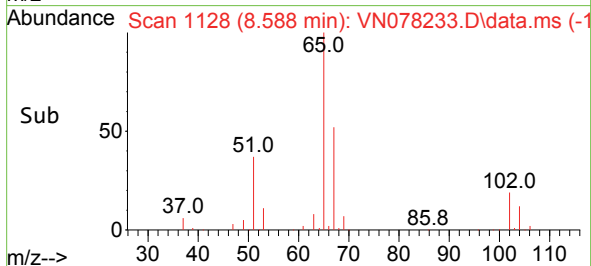
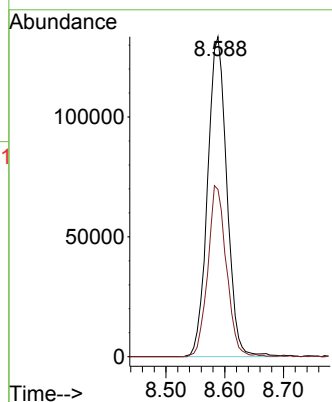
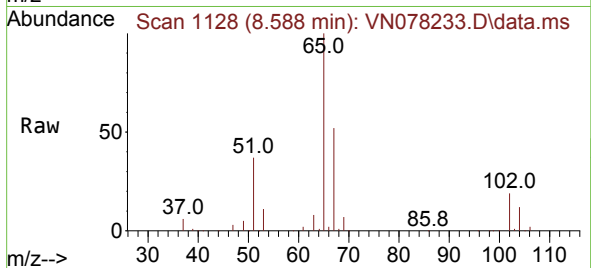
ClientSampleId :

Tgt Ion: 65 Resp: 304128

Ion Ratio Lower Upper

65 100

67 51.6 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: VN078233.D

Acq: 15 Jun 2023 17:09

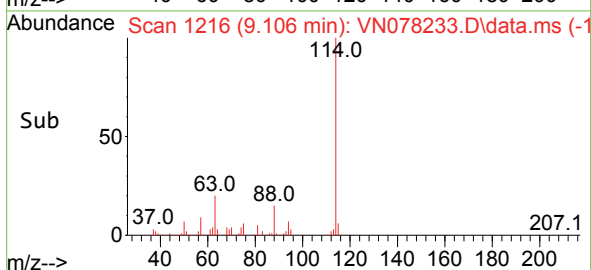
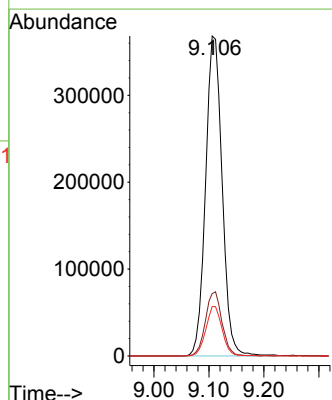
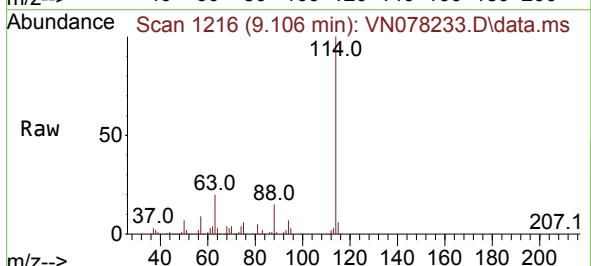
Tgt Ion:114 Resp: 771218

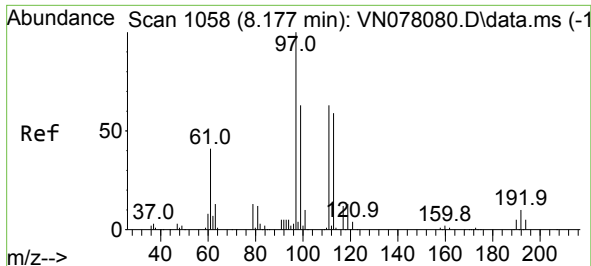
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.5 0.0 30.6

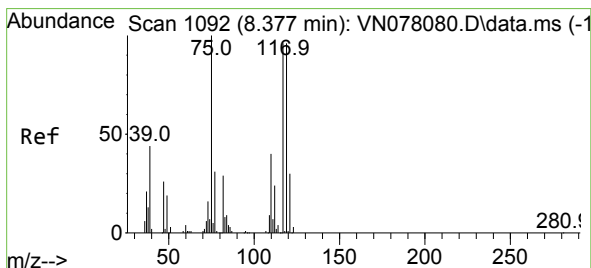
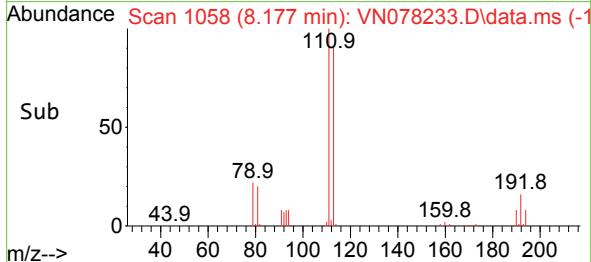
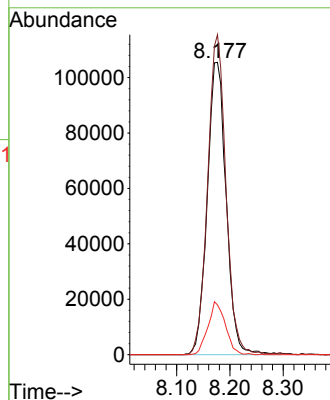
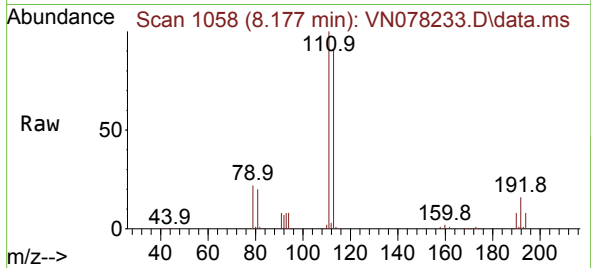




#35
Dibromofluoromethane
Concen: 53.406 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

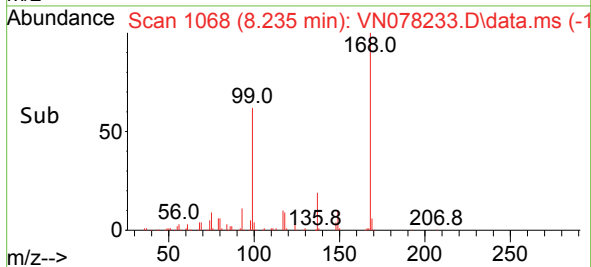
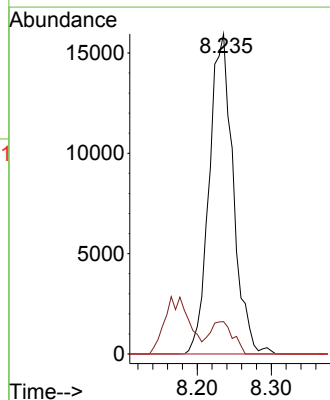
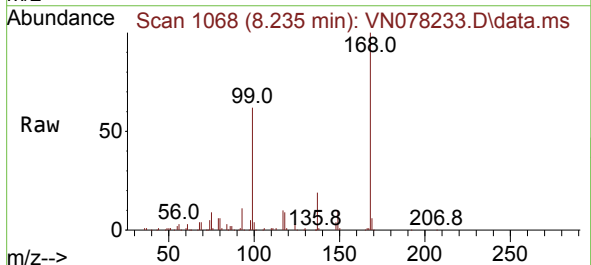
Instrument :
MSVOA_N
ClientSampleId :

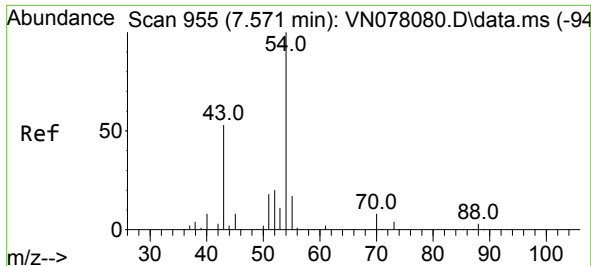
Tgt Ion:113 Resp: 260424
Ion Ratio Lower Upper
113 100
111 105.9 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.107 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

Tgt Ion: 75 Resp: 35721
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.320 ug/l

RT: 7.512 min Scan# 94

Delta R.T. -0.059 min

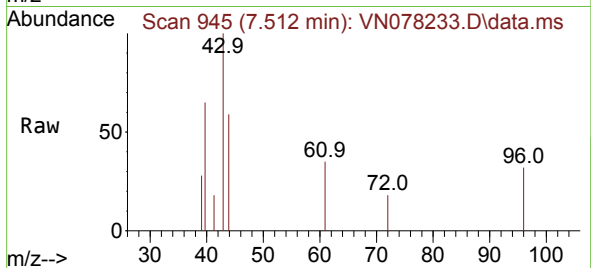
Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

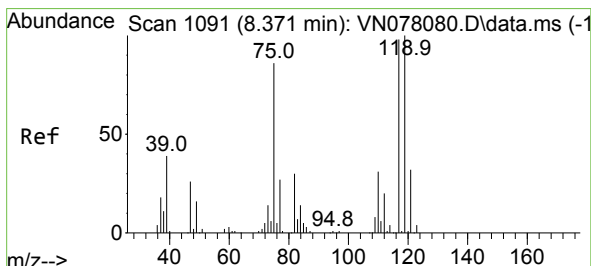
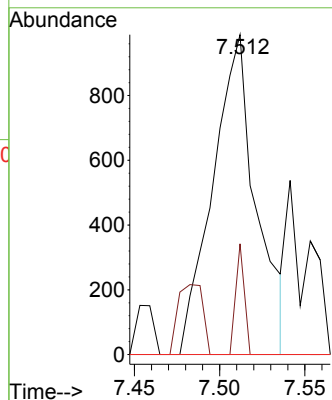
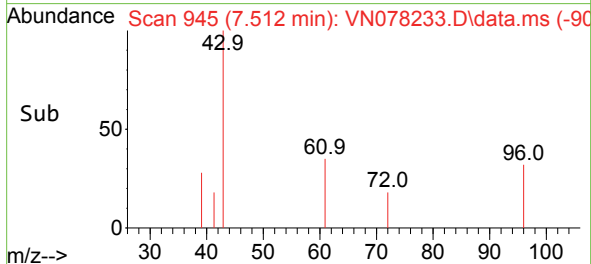
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	1751
Ion	Ratio	Lower Upper
43	100	
61	6.9	13.2 19.8#
70	0.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 0.547 ug/l

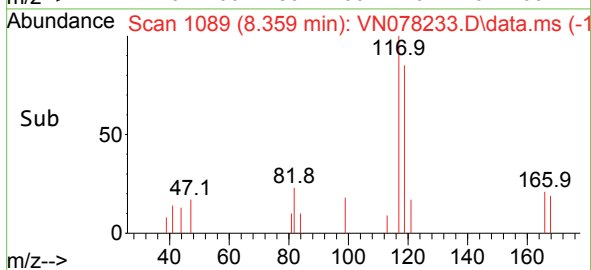
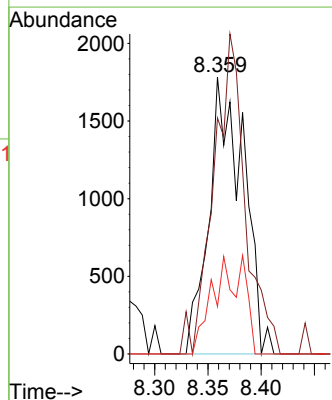
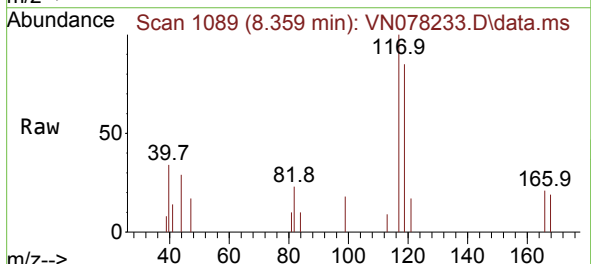
RT: 8.359 min Scan# 1089

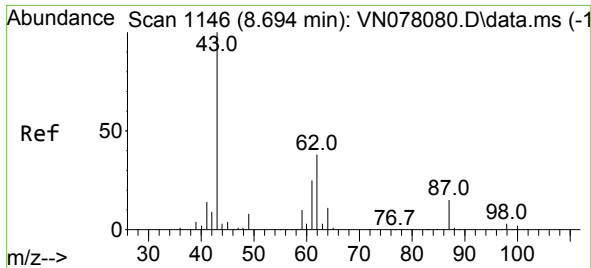
Delta R.T. -0.012 min

Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

Tgt Ion: 117	Resp:	4040
Ion	Ratio	Lower Upper
117	100	
119	85.2	77.3 115.9
121	17.2	23.3 34.9#

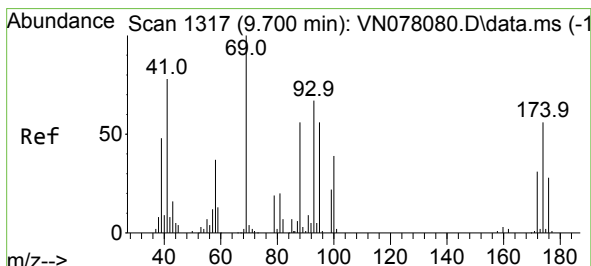
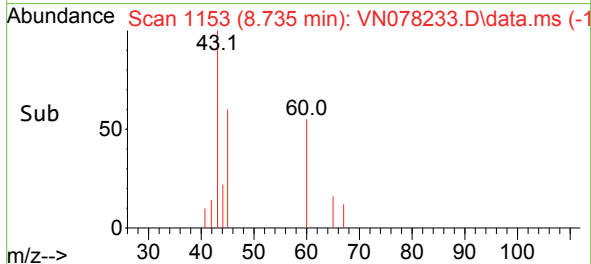
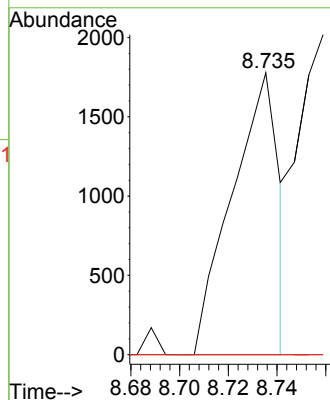
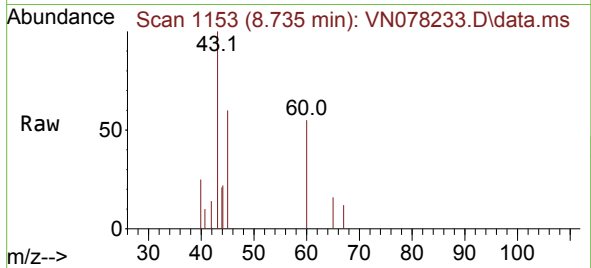




#43
Isopropyl Acetate
Concen: 0.227 ug/l
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

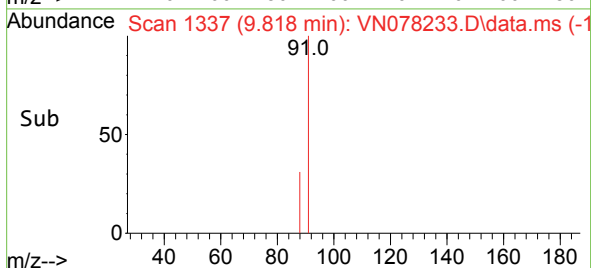
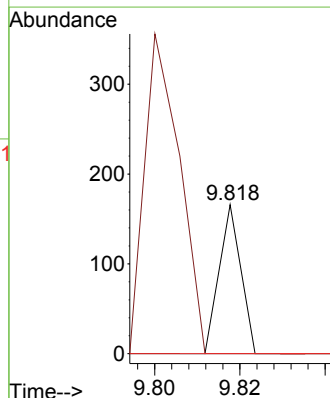
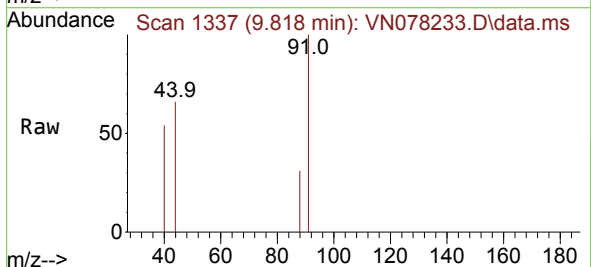
Instrument :
MSVOA_N
ClientSampleId :

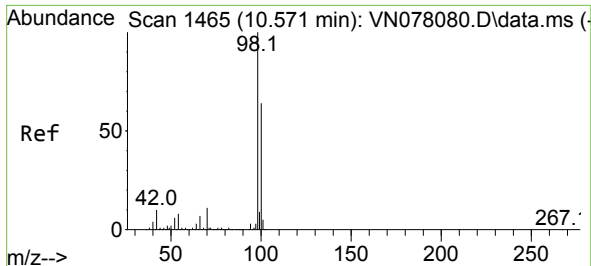
Tgt Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#49
1,4-Dioxane
Concen: 0.640 ug/l
RT: 9.818 min Scan# 1337
Delta R.T. 0.118 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

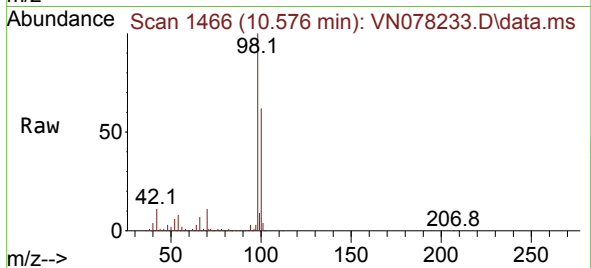
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 344.1 17.0 25.6#
58 0.0 47.0 70.4#



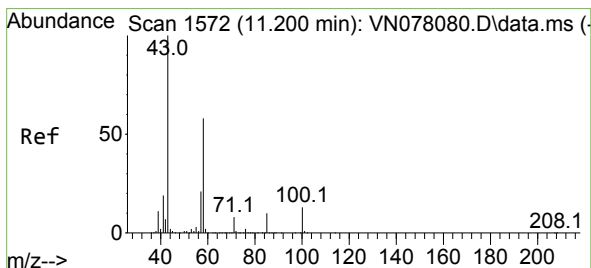
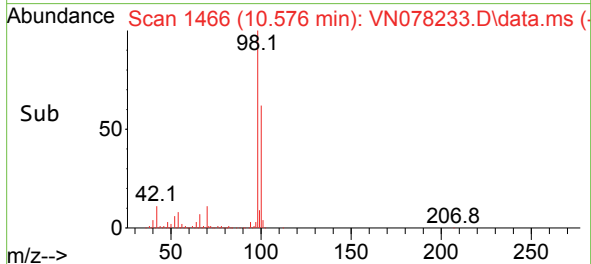
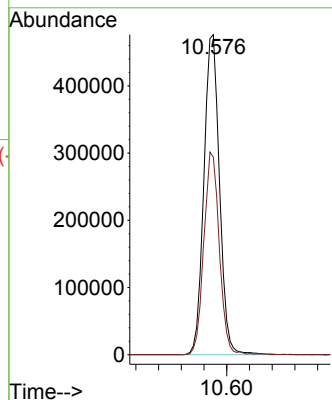


#50
Toluene-d8
Concen: 48.260 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :

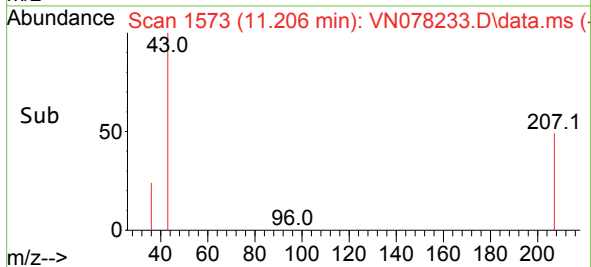
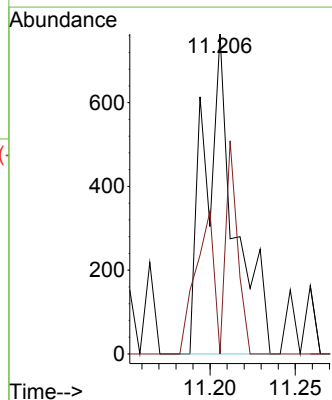
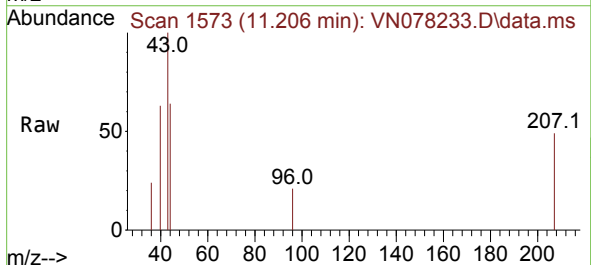


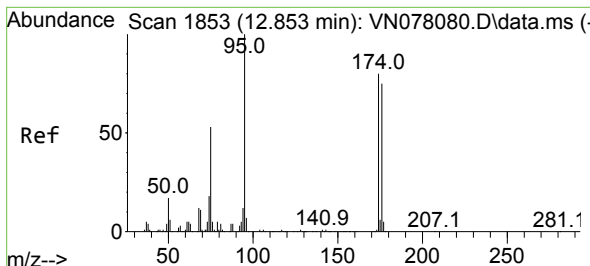
Tgt Ion: 98 Resp: 907228
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#59
2-Hexanone
Concen: 0.244 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
58 26.2 31.7 95.1#

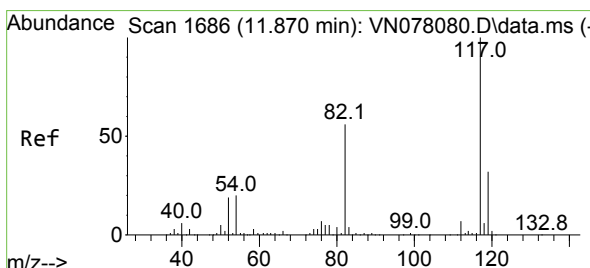
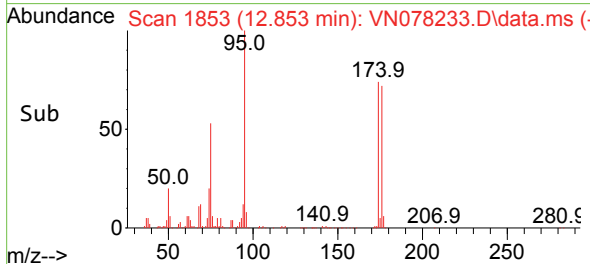
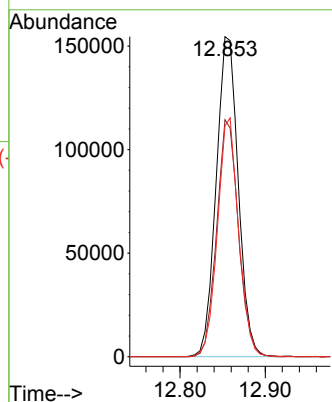
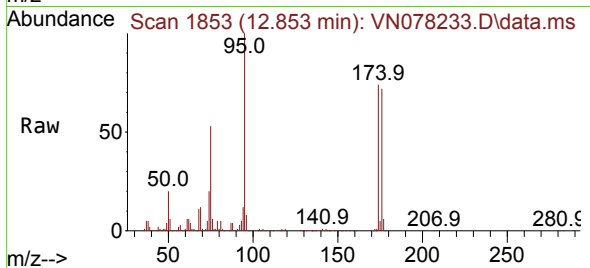




#62
4-Bromofluorobenzene
Concen: 47.491 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

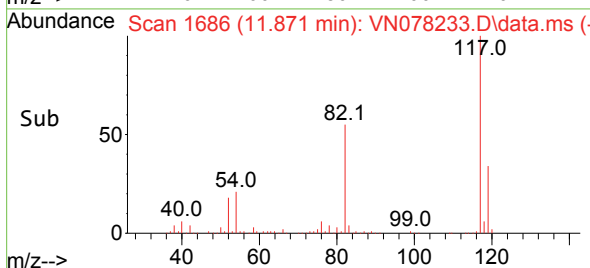
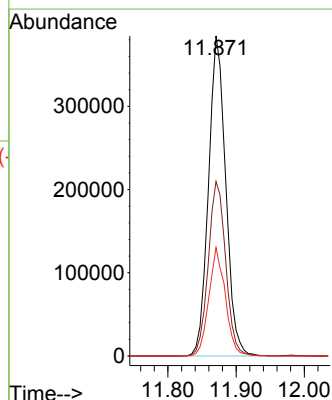
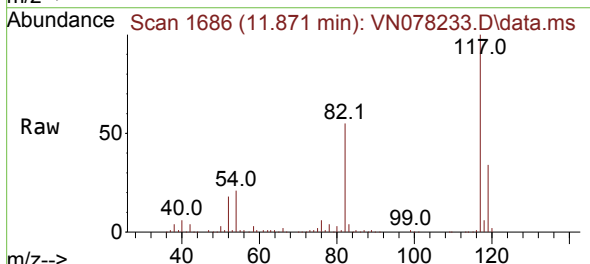
Instrument :
MSVOA_N
ClientSampleId :

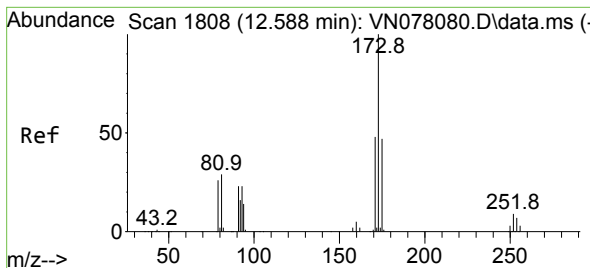
Tgt Ion: 95 Resp: 277540
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078233.D
Acq: 15 Jun 2023 17:09

Tgt Ion: 117 Resp: 677063
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 33.9 25.6 38.4





#71

Bromoform

Concen: 0.796 ug/l

RT: 12.859 min Scan# 1808

Delta R.T. 0.271 min

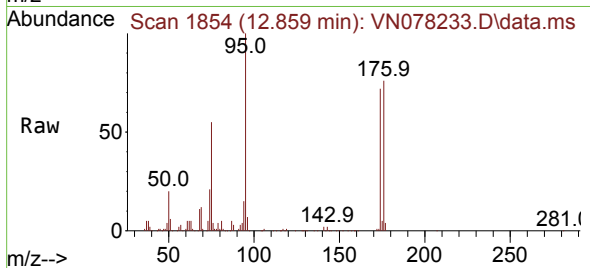
Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :



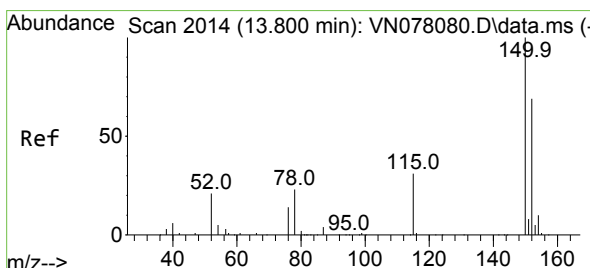
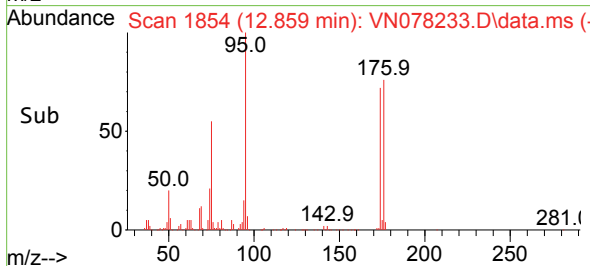
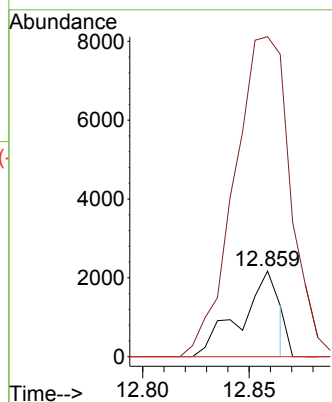
Tgt Ion:173 Resp: 2740

Ion Ratio Lower Upper

173 100

175 467.9 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: VN078233.D

Acq: 15 Jun 2023 17:09

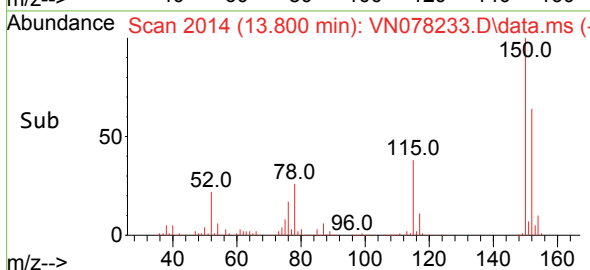
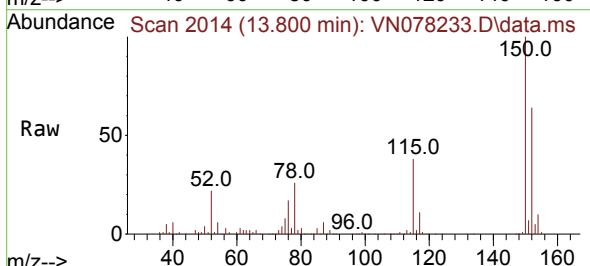
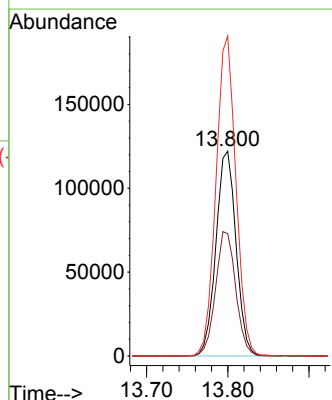
Tgt Ion:152 Resp: 210361

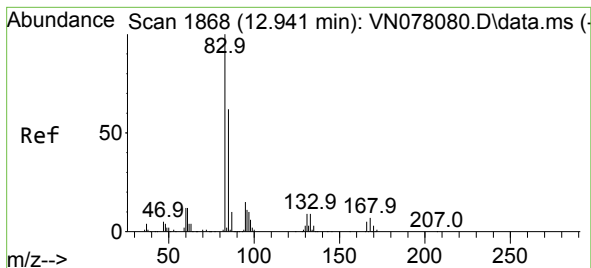
Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 154.6 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.847 min Scan# 1852

Delta R.T. -0.094 min

Lab File: VN078233.D

Acq: 15 Jun 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

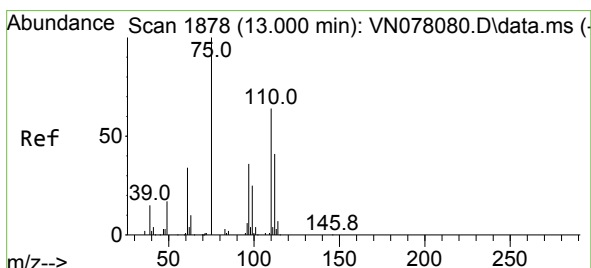
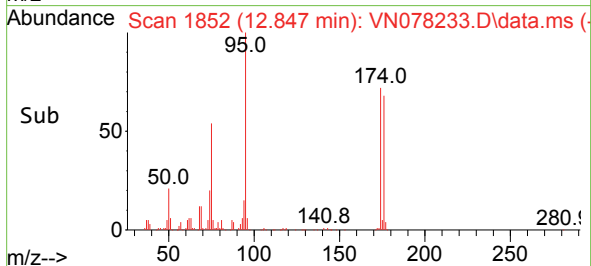
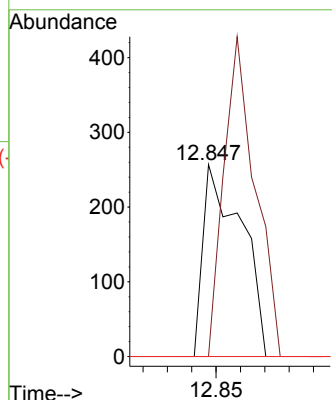
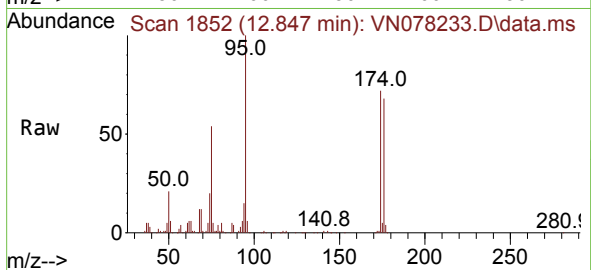
Tgt Ion: 83 Resp: 280

Ion Ratio Lower Upper

83 100

131 136.4 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 30.182 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078233.D

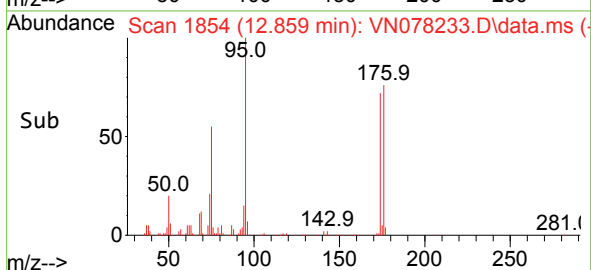
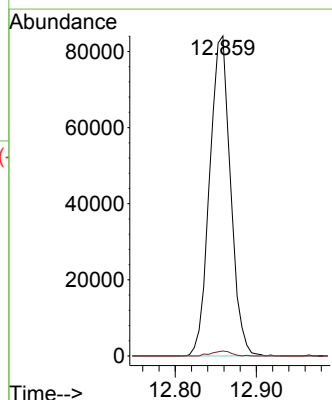
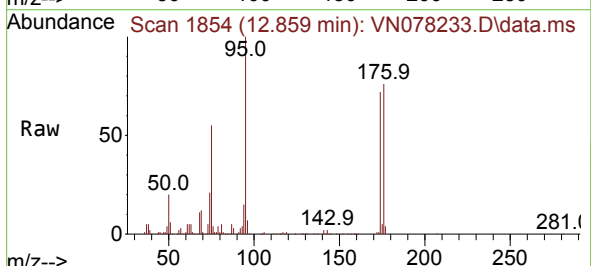
Acq: 15 Jun 2023 17:09

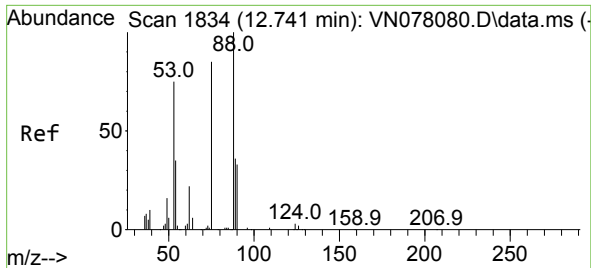
Tgt Ion: 75 Resp: 150096

Ion Ratio Lower Upper

75 100

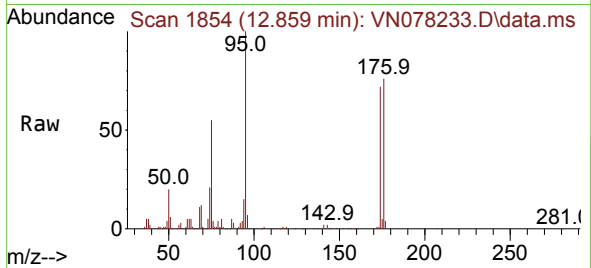
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.729 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078233.D
 Acq: 15 Jun 2023 17:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 150096
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

