

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078236.D
 Acq On : 15 Jun 2023 18:21
 Operator : JC\MD
 Sample : 03231-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 06:10:40 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)

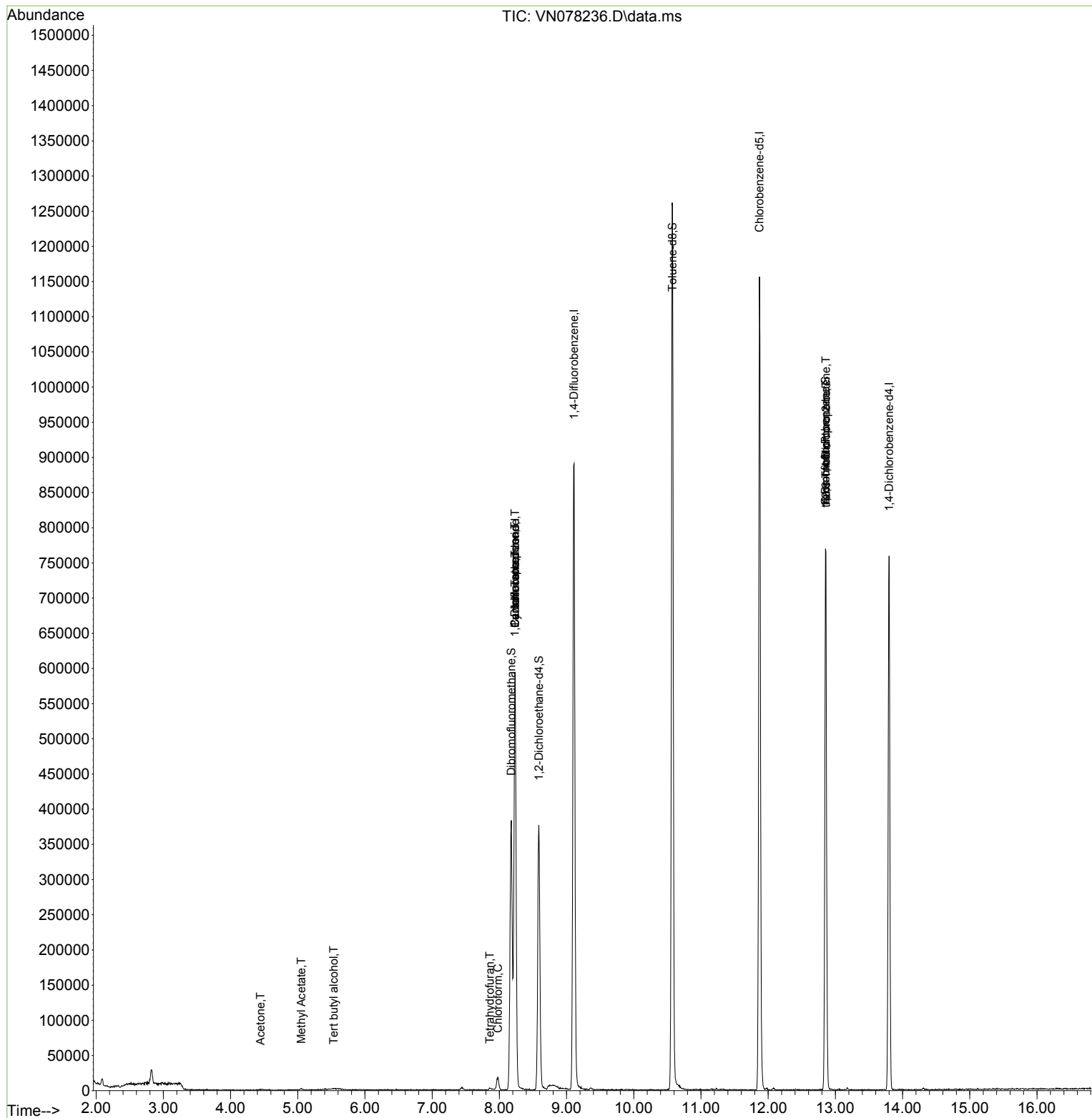
Internal Standards						
1) Pentafluorobenzene	8.235	168	417696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	786211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	678958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	205777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306766	55.083	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.160%	
35) Dibromofluoromethane	8.177	113	272406	54.798	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.600%	
50) Toluene-d8	10.576	98	914076	47.697	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.400%	
62) 4-Bromofluorobenzene	12.853	95	274010	45.993	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	909	Below Cal		90
11) Tert butyl alcohol	5.535	59	234	0.304 ug/l	#	72
16) Acetone	4.447	43	331	0.206 ug/l	#	40
18) Methyl Acetate	5.053	43	1727	0.234 ug/l	#	88
29) Tetrahydrofuran	7.859	42	1547	0.939 ug/l	#	63
30) Chloroform	7.977	83	17814	1.915 ug/l		95
31) Cyclohexane	8.235	56	9997	1.399 ug/l	#	1
36) 1,1-Dichloropropene	8.229	75	36585	5.131 ug/l	#	48
38) Carbon Tetrachloride	8.235	117	46396	6.162 ug/l	#	18
71) Bromoform	12.853	173	1313	0.380 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.953	83	66	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.859	75	153374	31.528 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	153374	96.865 ug/l	#	15

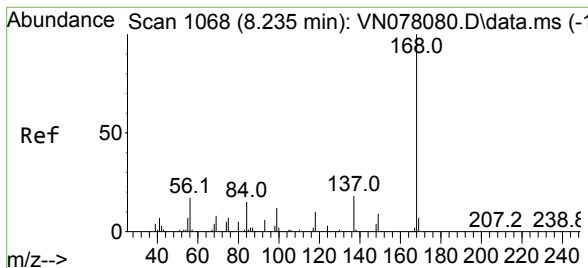
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078236.D

Acq: 15 Jun 2023 18:21

Instrument :

MSVOA_N

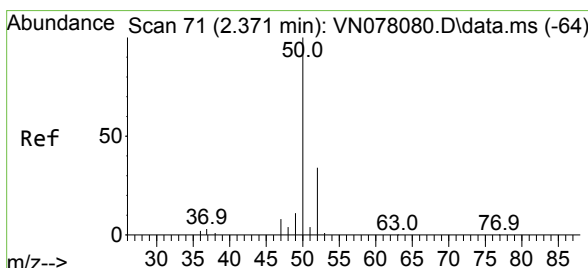
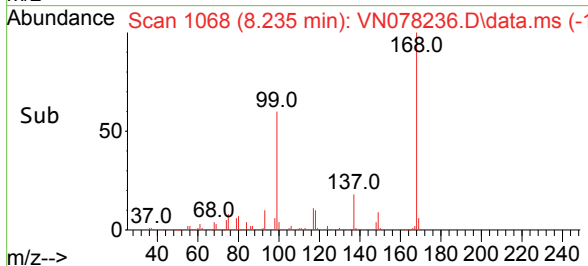
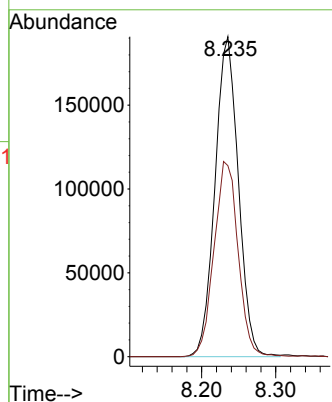
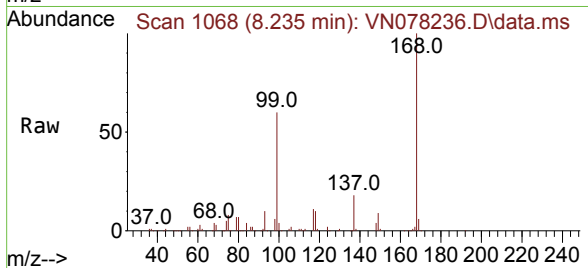
ClientSampleId :

Tgt Ion:168 Resp: 417696

Ion Ratio Lower Upper

168 100

99 59.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078236.D

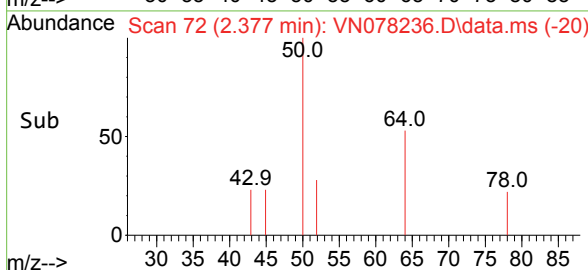
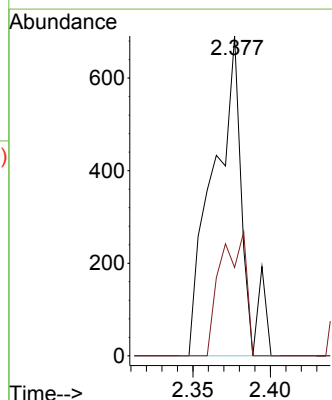
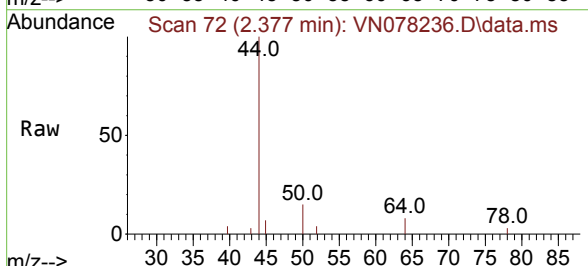
Acq: 15 Jun 2023 18:21

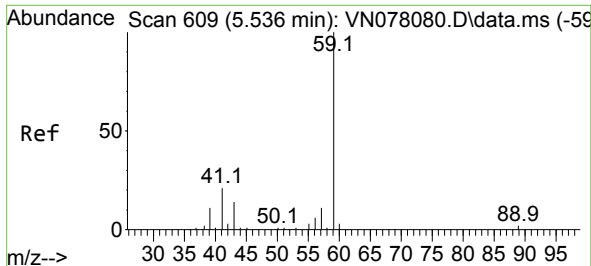
Tgt Ion: 50 Resp: 909

Ion Ratio Lower Upper

50 100

52 27.6 26.5 39.7

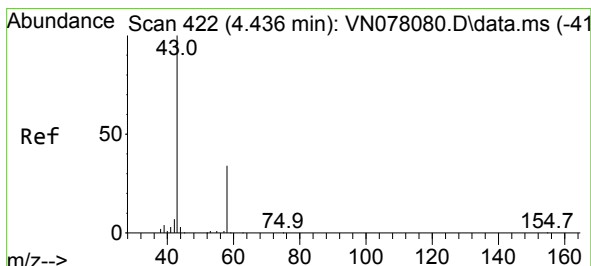
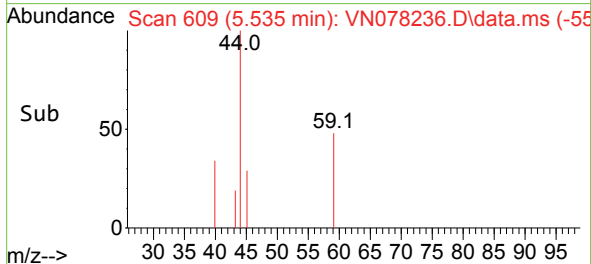
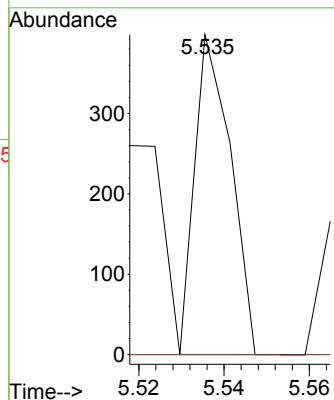
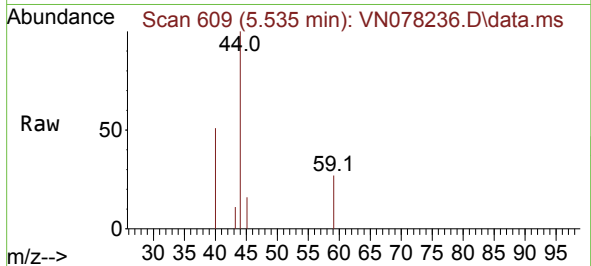




#11
Tert butyl alcohol
Concen: 0.304 ug/l
RT: 5.535 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

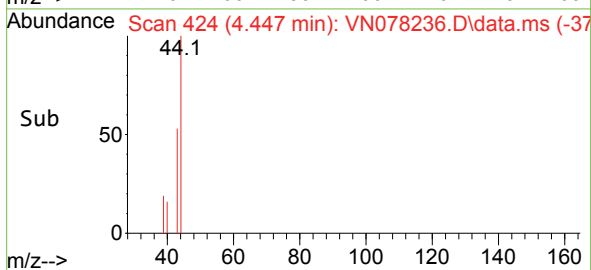
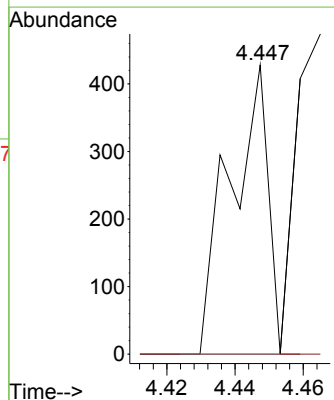
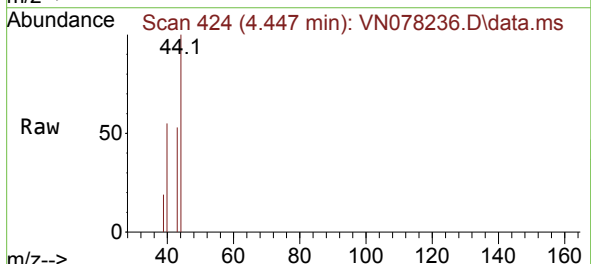
Instrument :
MSVOA_N
ClientSampleId :

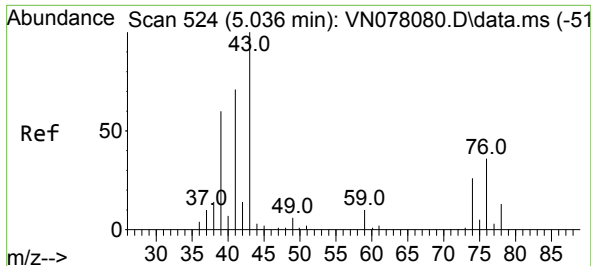
Tgt Ion: 59 Resp: 234
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.206 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

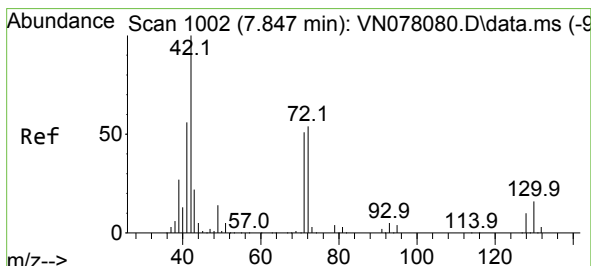
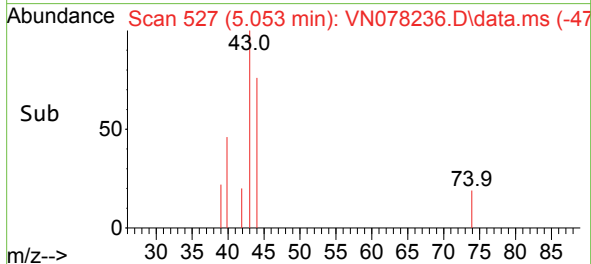
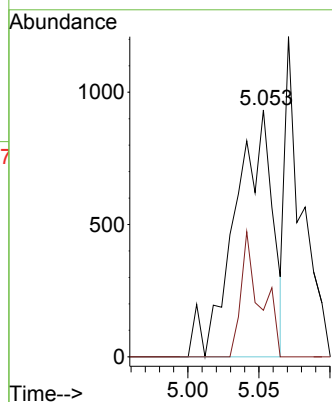
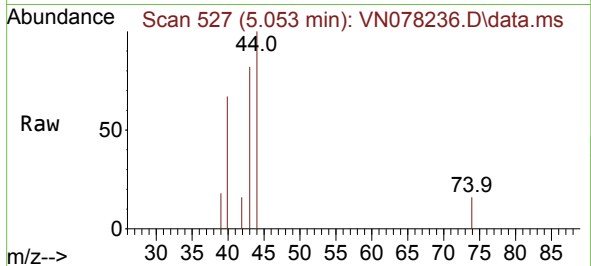




#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

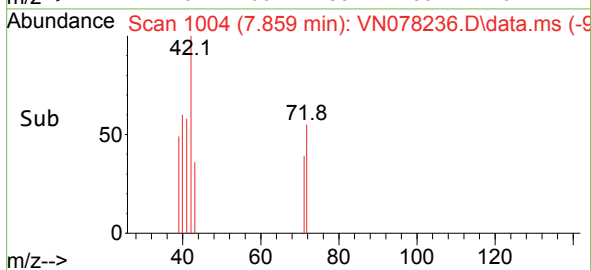
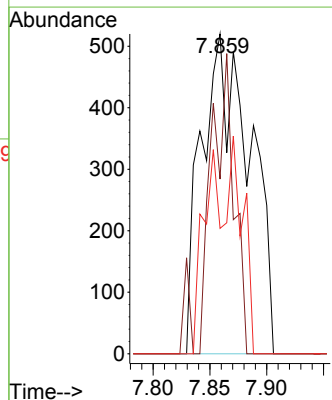
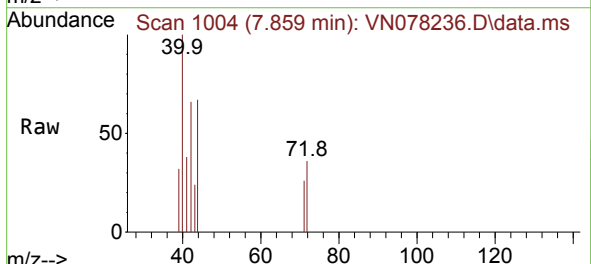
Instrument :
MSVOA_N
ClientSampleId :

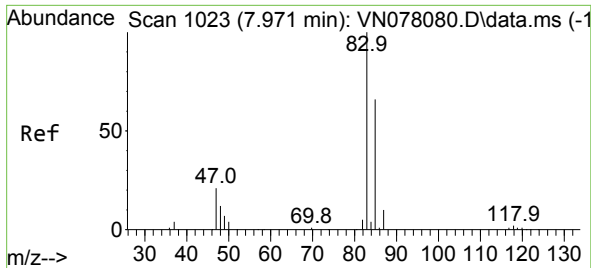
Tgt Ion: 43 Resp: 1727
Ion Ratio Lower Upper
43 100
74 25.9 26.2 39.4#



#29
Tetrahydrofuran
Concen: 0.939 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

Tgt Ion: 42 Resp: 1547
Ion Ratio Lower Upper
42 100
72 42.7 49.8 74.6#
71 22.2 47.4 71.2#

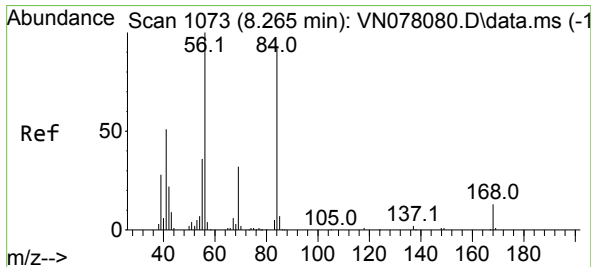
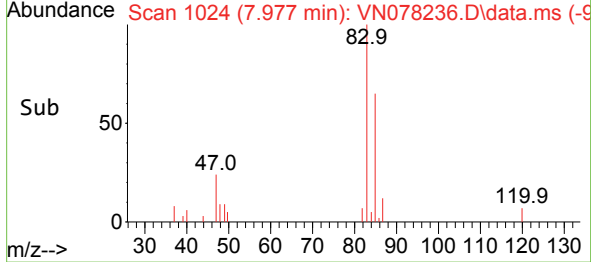
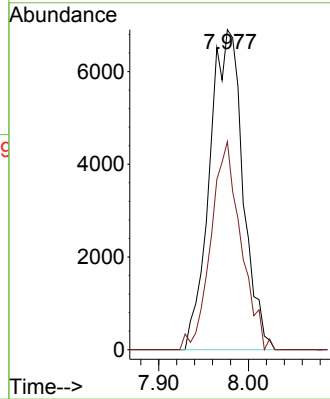
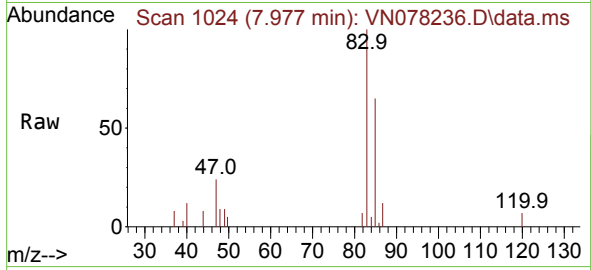




#30
Chloroform
Concen: 1.915 ug/l
RT: 7.977 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

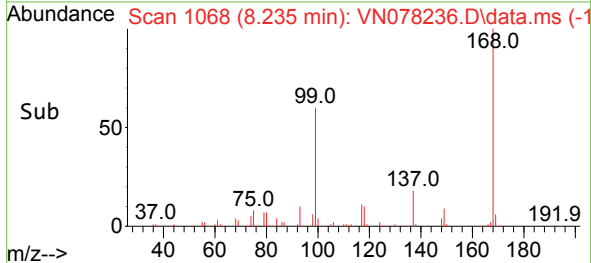
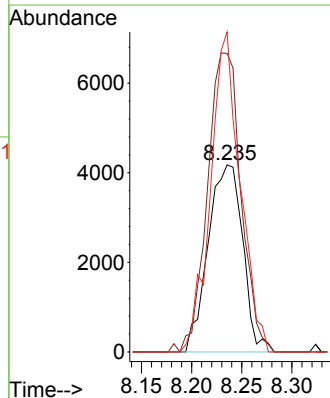
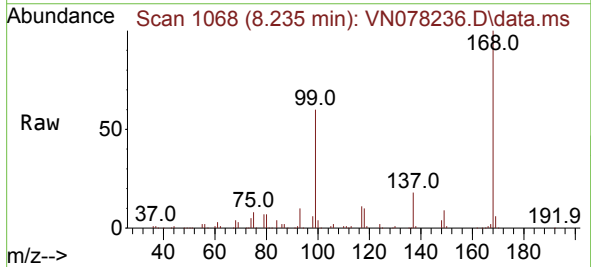
Instrument :
MSVOA_N
ClientSampleId :

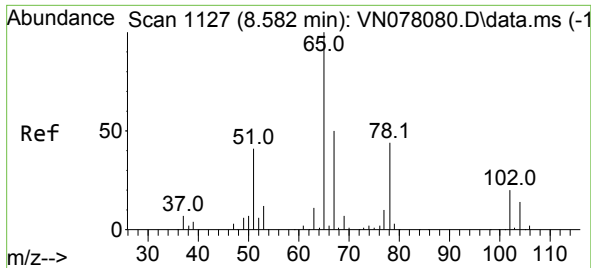
Tgt Ion: 83 Resp: 17814
Ion Ratio Lower Upper
83 100
85 65.0 55.4 83.0



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

Tgt Ion: 56 Resp: 9997
Ion Ratio Lower Upper
56 100
69 159.6 26.8 40.2#
84 171.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.083 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078236.D

Acq: 15 Jun 2023 18:21

Instrument :

MSVOA_N

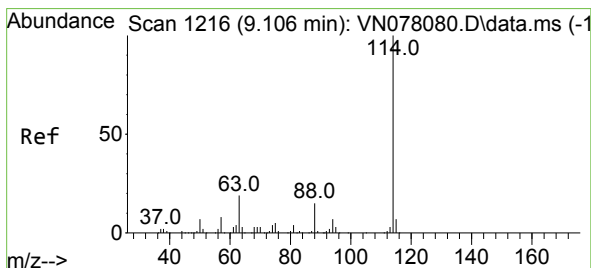
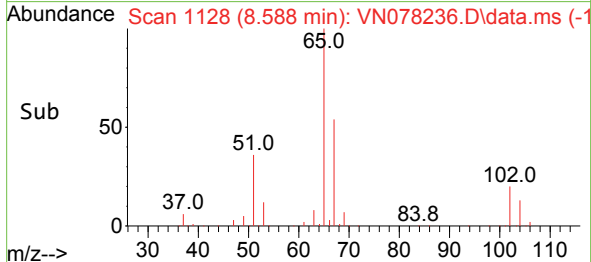
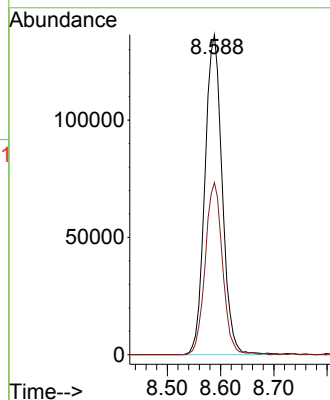
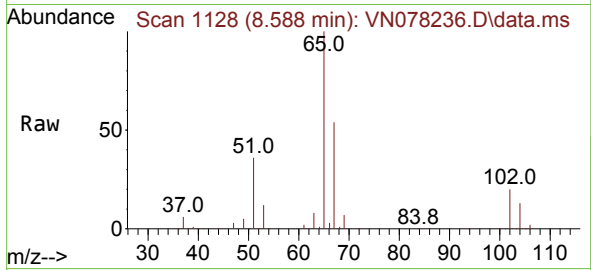
ClientSampleId :

Tgt Ion: 65 Resp: 306766

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078236.D

Acq: 15 Jun 2023 18:21

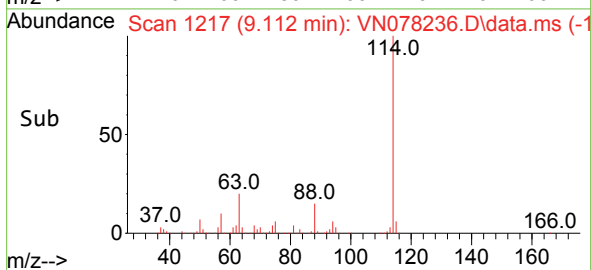
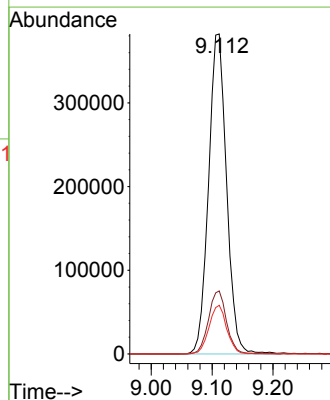
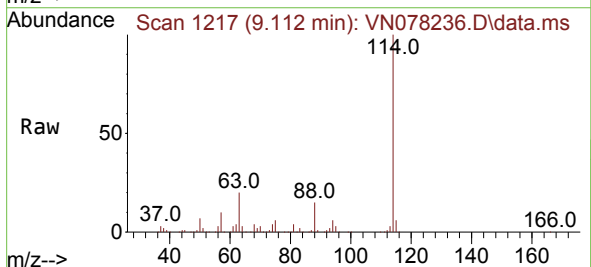
Tgt Ion: 114 Resp: 786211

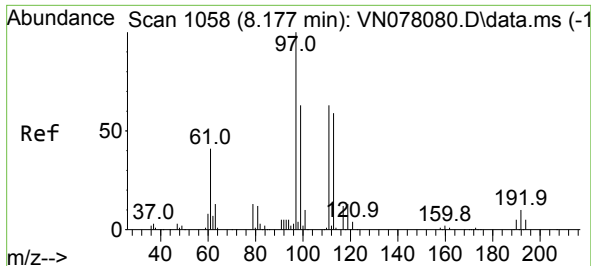
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

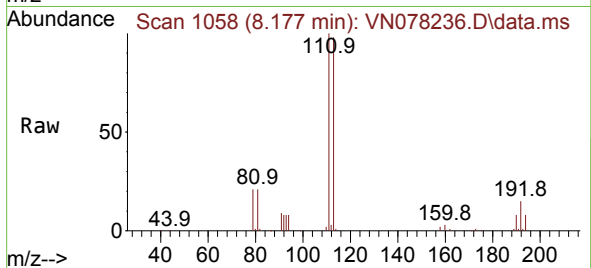
88 15.2 0.0 30.6



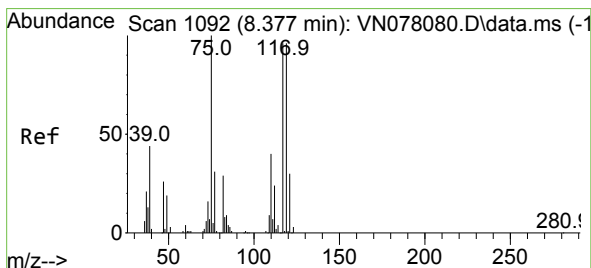
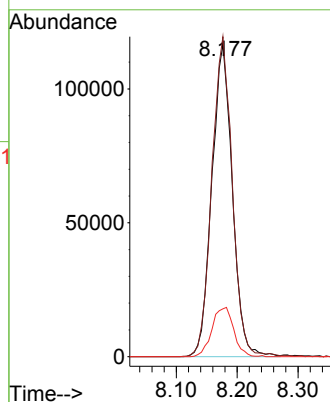
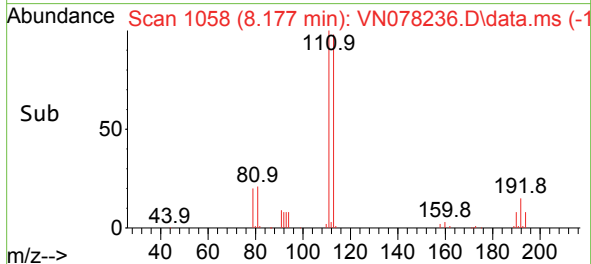


#35
 Dibromofluoromethane
 Concen: 54.798 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VN078236.D
 Acq: 15 Jun 2023 18:21

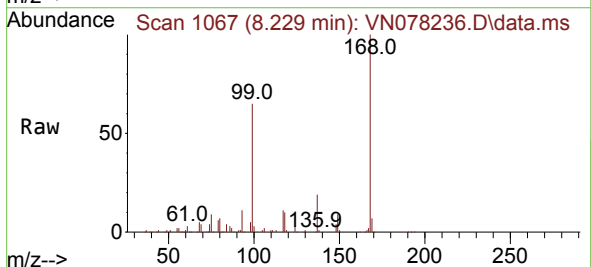
Instrument :
 MSVOA_N
 ClientSampleId :



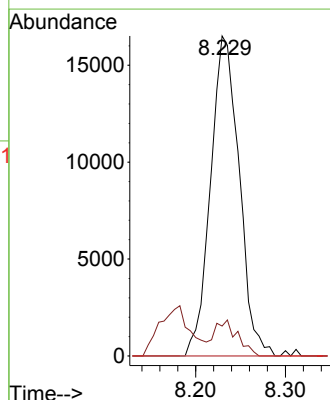
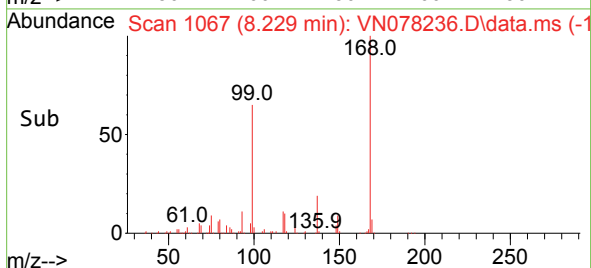
Tgt Ion:113 Resp: 272406
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 16.7 12.7 19.1

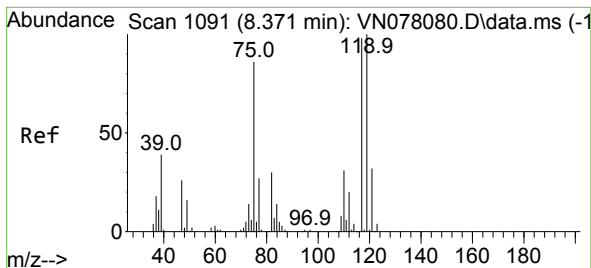


#36
 1,1-Dichloropropene
 Concen: 5.131 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078236.D
 Acq: 15 Jun 2023 18:21



Tgt Ion: 75 Resp: 36585
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.162 ug/l

RT: 8.235 min Scan# 1091

Delta R.T. -0.135 min

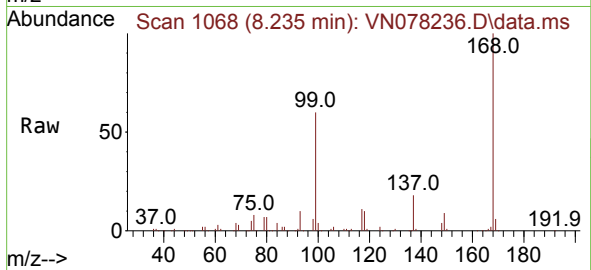
Lab File: VN078236.D

Acq: 15 Jun 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



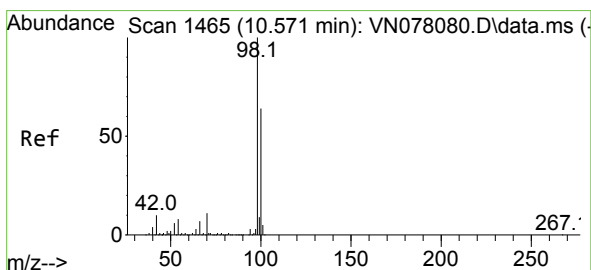
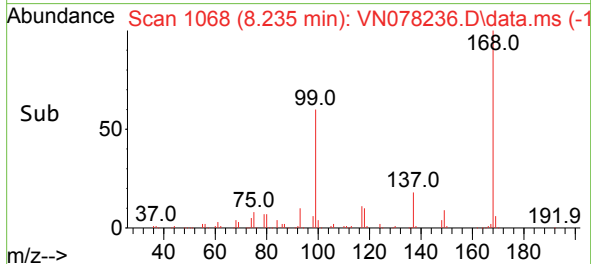
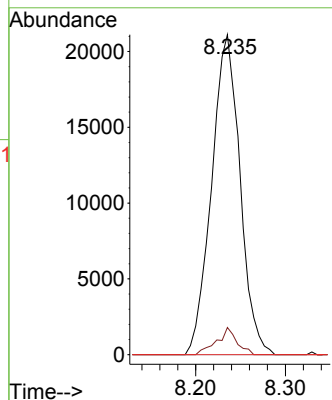
Tgt Ion:117 Resp: 46396

Ion Ratio Lower Upper

117 100

119 8.5 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 47.697 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078236.D

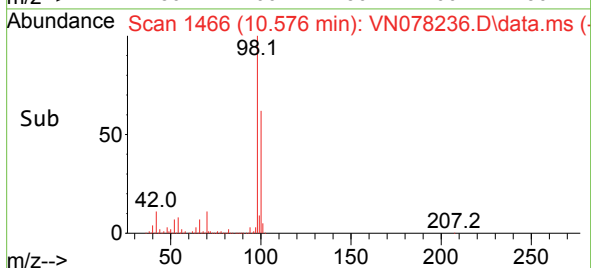
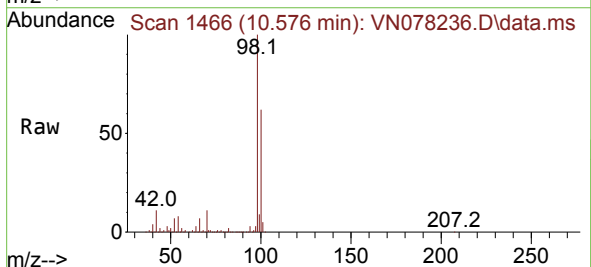
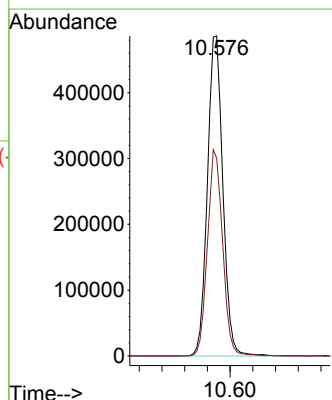
Acq: 15 Jun 2023 18:21

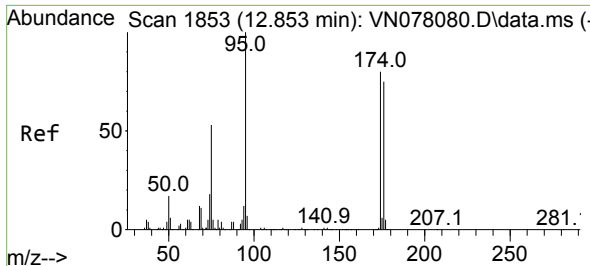
Tgt Ion: 98 Resp: 914076

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0

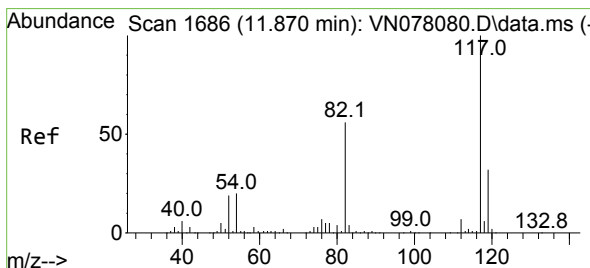
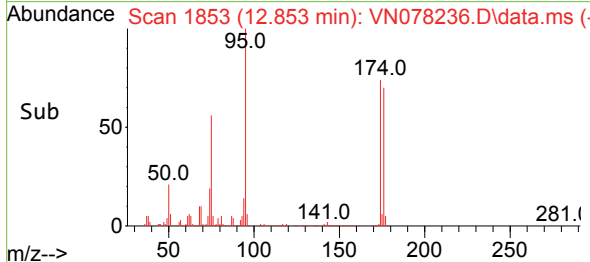
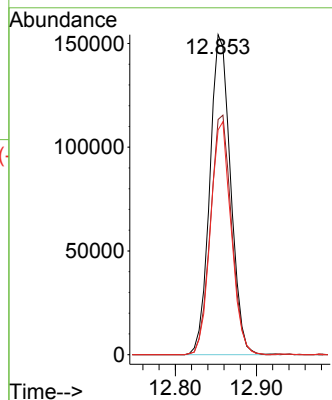
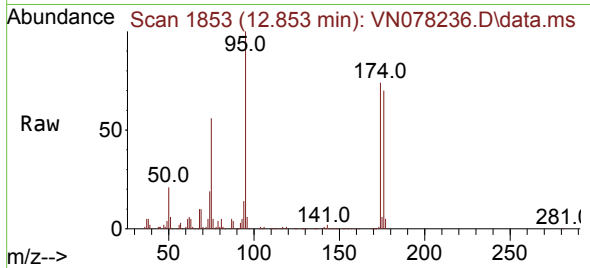




#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

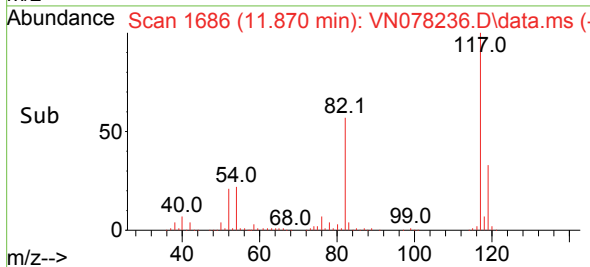
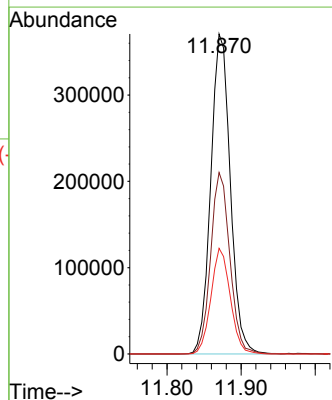
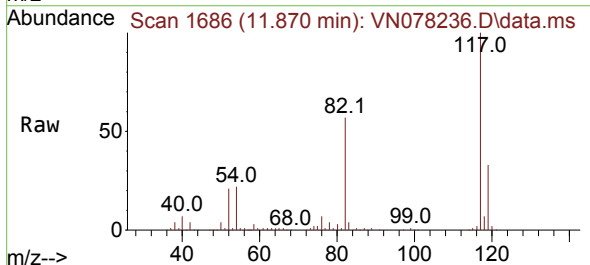
Instrument :
MSVOA_N
ClientSampleId :

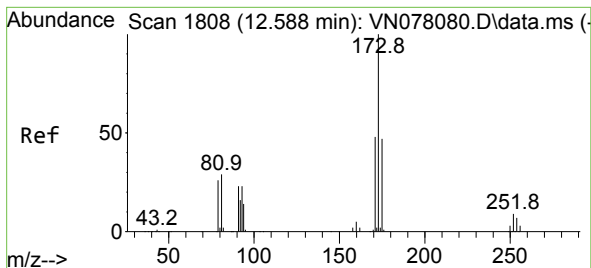
Tgt Ion: 95 Resp: 274010
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

Tgt Ion: 117 Resp: 678958
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 33.0 25.6 38.4





#71

Bromoform

Concen: 0.380 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN078236.D

Acq: 15 Jun 2023 18:21

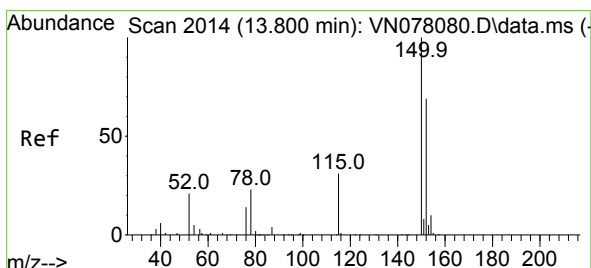
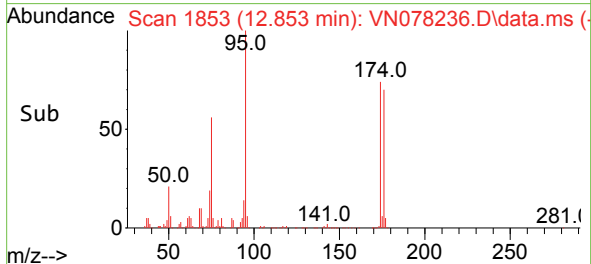
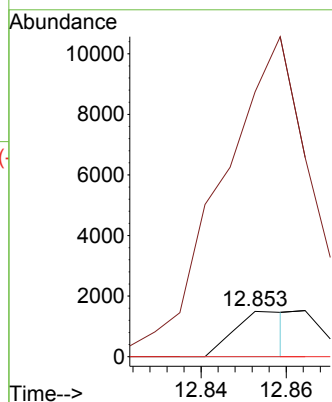
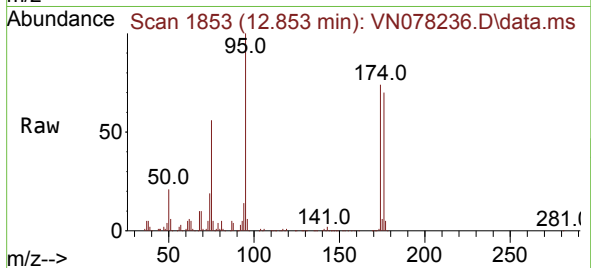
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1313

Ion	Ratio	Lower	Upper
173	100		
175	1069.9	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

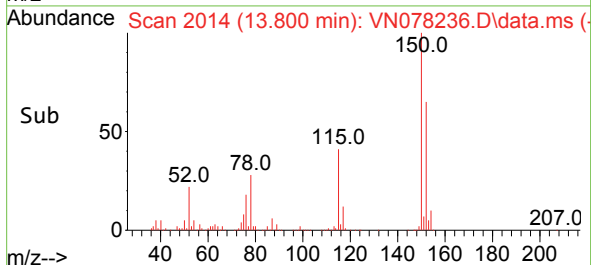
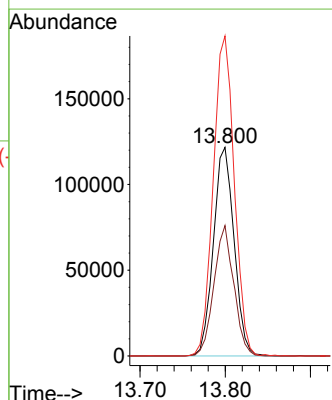
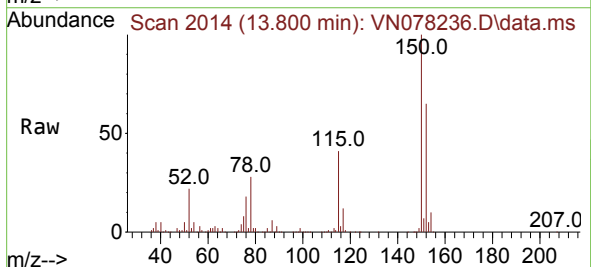
Delta R.T. -0.000 min

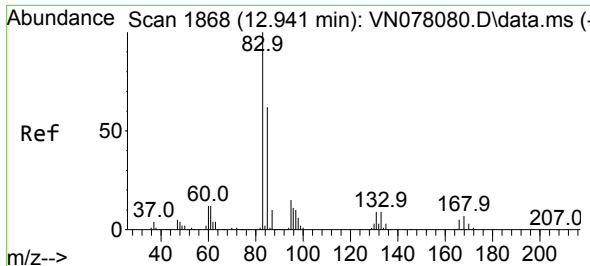
Lab File: VN078236.D

Acq: 15 Jun 2023 18:21

Tgt Ion:152 Resp: 205777

Ion	Ratio	Lower	Upper
152	100		
115	60.0	32.3	96.8
150	155.8	0.0	355.8

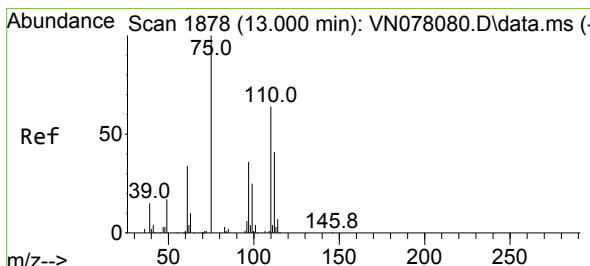
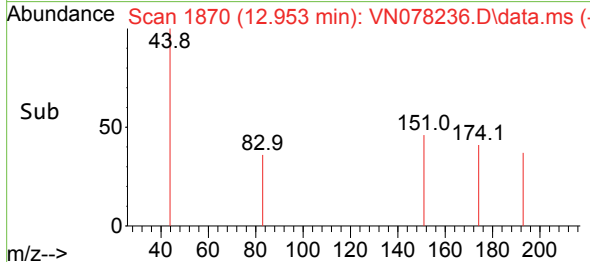
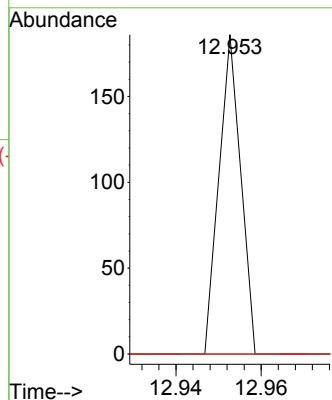
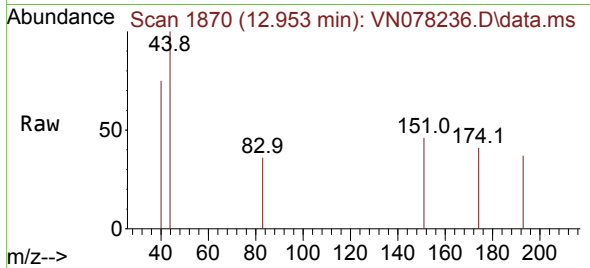




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.953 min Scan# 1854
Delta R.T. 0.012 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

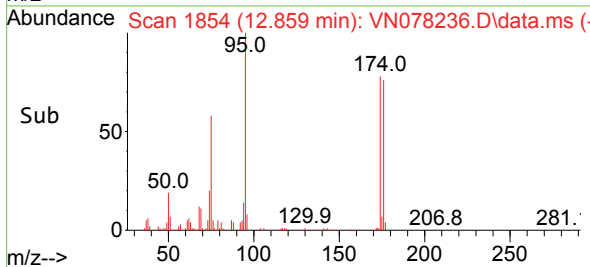
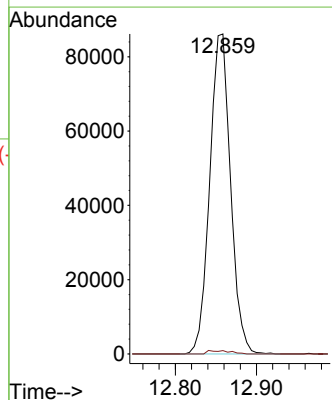
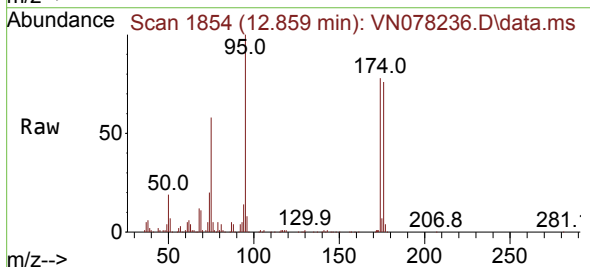
Instrument :
MSVOA_N
ClientSampleId :

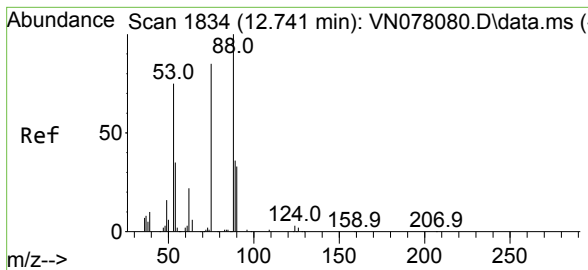
Tgt Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.528 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078236.D
Acq: 15 Jun 2023 18:21

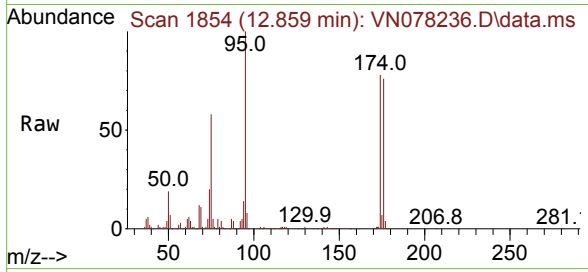
Tgt Ion: 75 Resp: 153374
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.865 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078236.D
 Acq: 15 Jun 2023 18:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 153374
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.2 38.8 58.2#

