

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078152.D
 Acq On : 09 Jun 2023 17:46
 Operator : JC\MD
 Sample : 03119-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 09 23:12:50 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	464233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	861785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	755483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234337	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	332793	53.766	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.540%	
35) Dibromofluoromethane	8.177	113	287123	52.693	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.380%	
50) Toluene-d8	10.571	98	1032544	49.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.859	95	307383	47.070	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.140%	

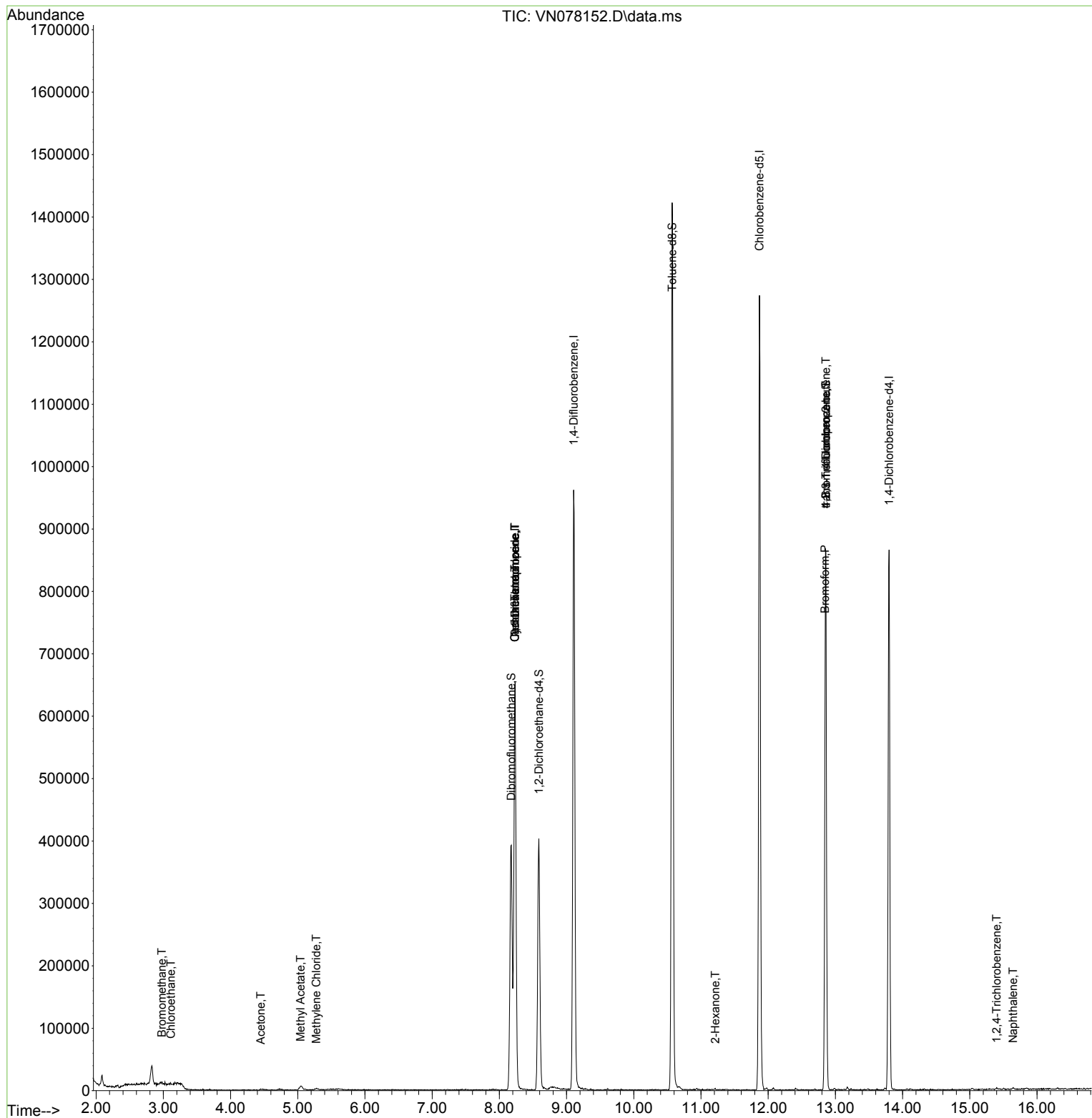
Target Compounds				Qvalue		
3) Chloromethane	2.365	50	1321	Below Cal	#	72
5) Bromomethane	2.977	94	2624	0.505	ug/l	94
6) Chloroethane	3.112	64	946	0.202	ug/l #	43
16) Acetone	4.447	43	1204	0.676	ug/l #	40
18) Methyl Acetate	5.042	43	12988	1.583	ug/l	92
20) Methylene Chloride	5.277	84	1677	0.285	ug/l #	70
31) Cyclohexane	8.230	56	11599	1.461	ug/l #	43
36) 1,1-Dichloropropene	8.235	75	39606	5.067	ug/l #	49
38) Carbon Tetrachloride	8.230	117	51598	6.252	ug/l #	15
59) 2-Hexanone	11.212	43	1251	0.292	ug/l	65
71) Bromoform	12.847	173	2580	0.672	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	189	Below Cal	#	79
76) 1,2,3-Trichloropropane	12.859	75	167570	30.248	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	167570	92.932	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	736	0.243	ug/l #	82
94) Hexachlorobutadiene	15.506	225	525	Below Cal	#	40
95) Naphthalene	15.647	128	2841	0.279	ug/l #	77

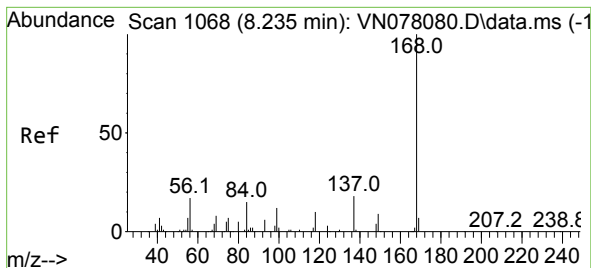
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN078152.D

Acq: 09 Jun 2023 17:46

Instrument :

MSVOA_N

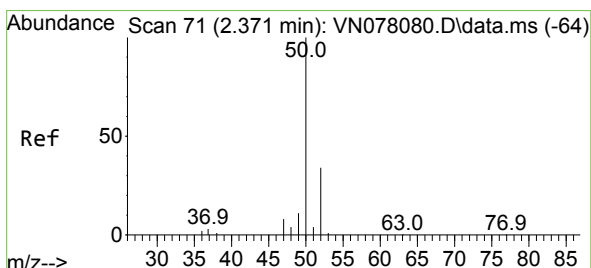
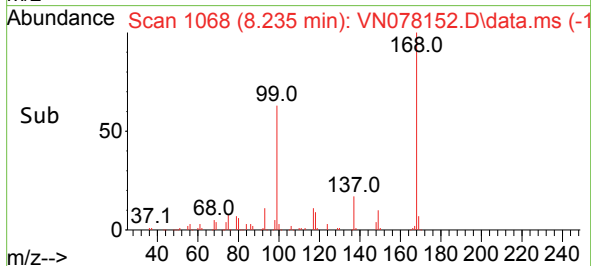
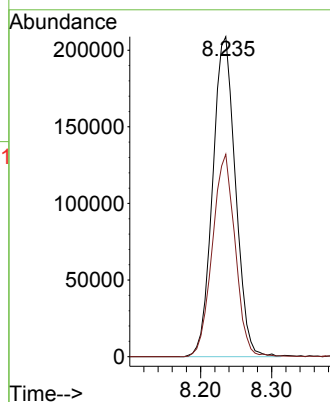
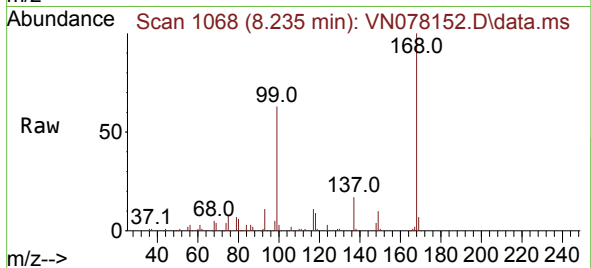
ClientSampleId :

Tgt Ion:168 Resp: 464233

Ion Ratio Lower Upper

168 100

99 63.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078152.D

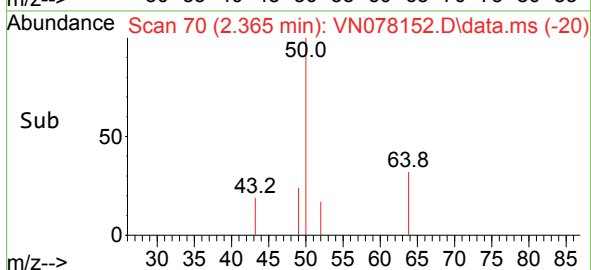
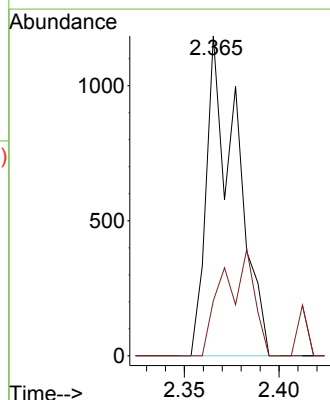
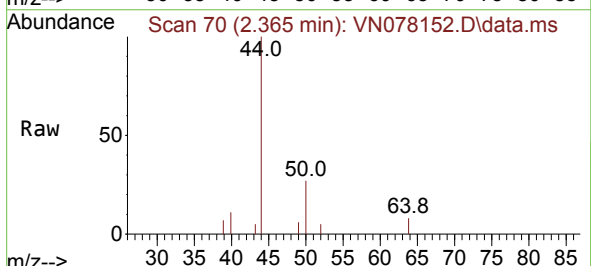
Acq: 09 Jun 2023 17:46

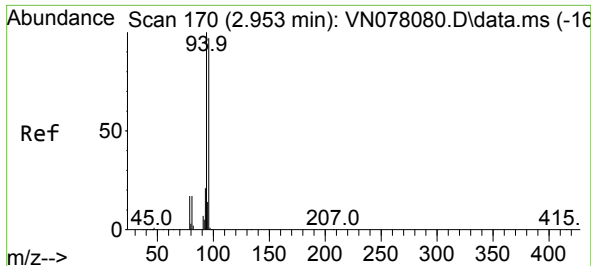
Tgt Ion: 50 Resp: 1321

Ion Ratio Lower Upper

50 100

52 17.2 26.5 39.7#

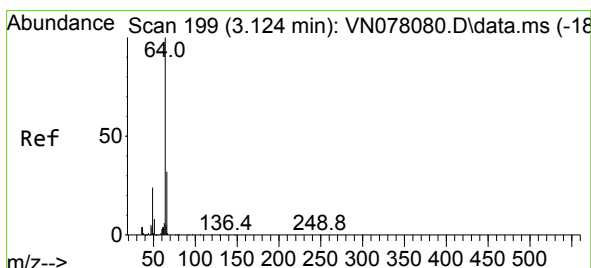
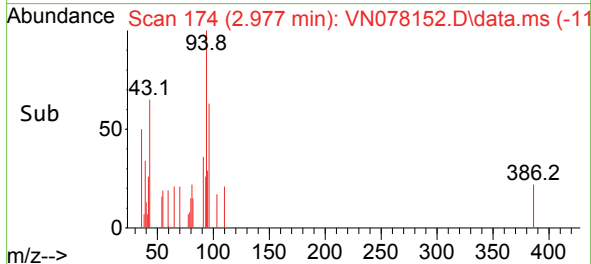
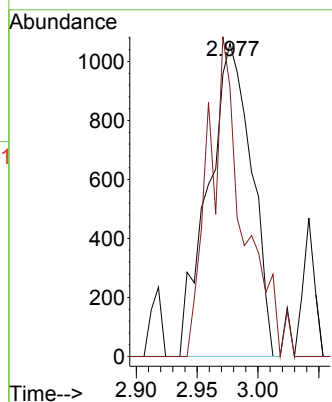
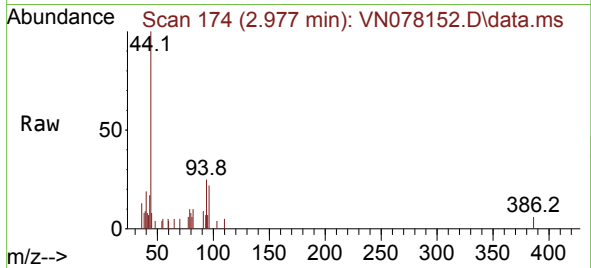




#5
Bromomethane
Concen: 0.505 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

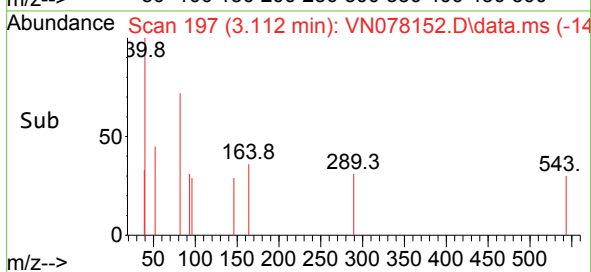
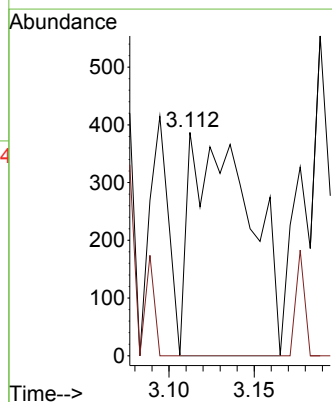
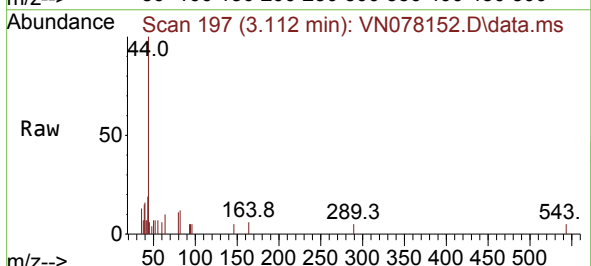
Instrument :
MSVOA_N
ClientSampleId :

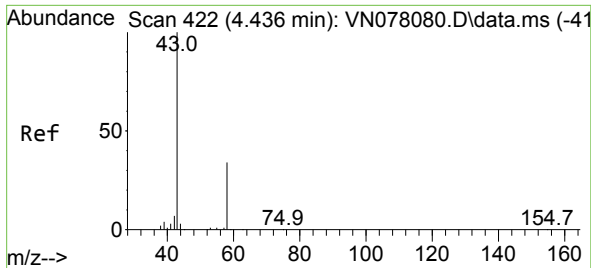
Tgt Ion: 94 Resp: 2624
Ion Ratio Lower Upper
94 100
96 86.1 73.1 109.7



#6
Chloroethane
Concen: 0.202 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Tgt Ion: 64 Resp: 946
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

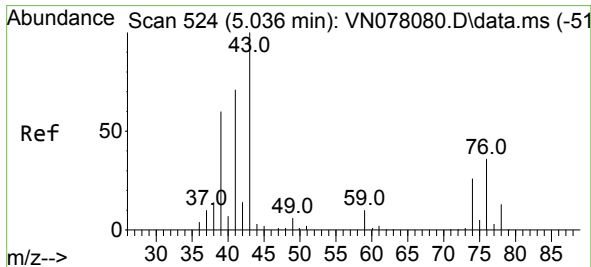
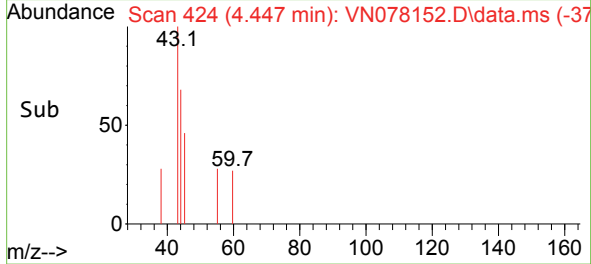
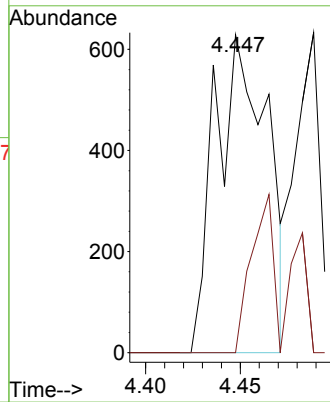
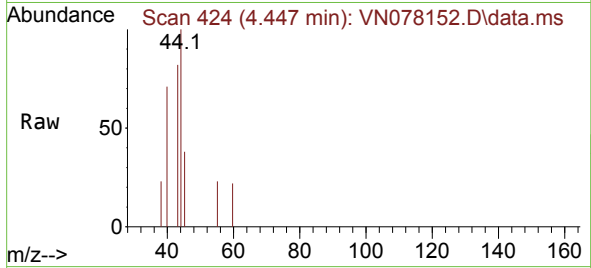




#16
Acetone
Concen: 0.676 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

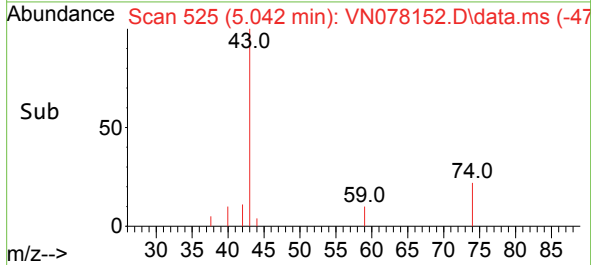
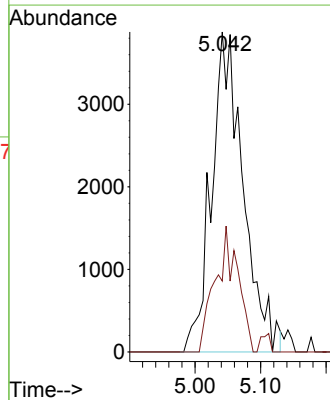
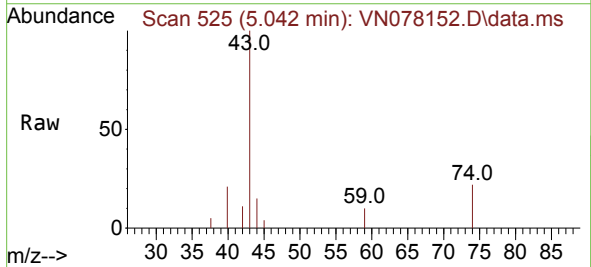
Instrument :
MSVOA_N
ClientSampleId :

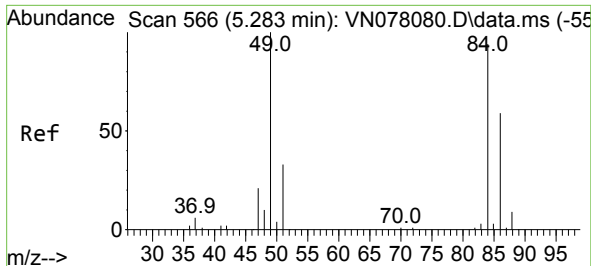
Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 1.583 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

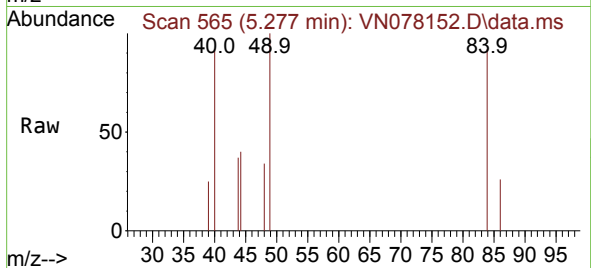
Tgt Ion: 43 Resp: 12988
Ion Ratio Lower Upper
43 100
74 28.2 26.2 39.4



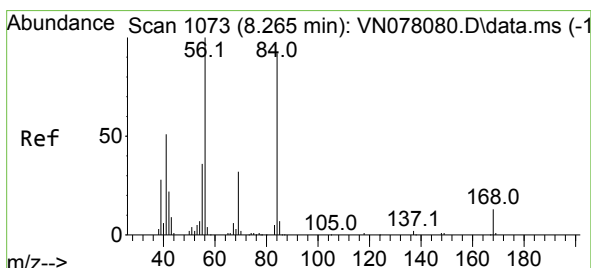
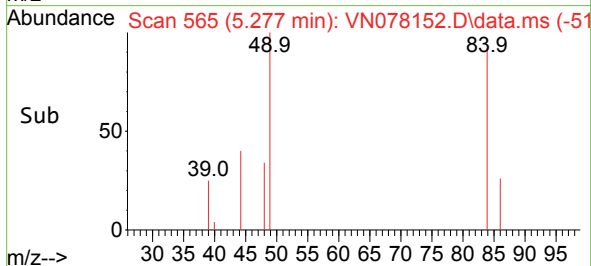
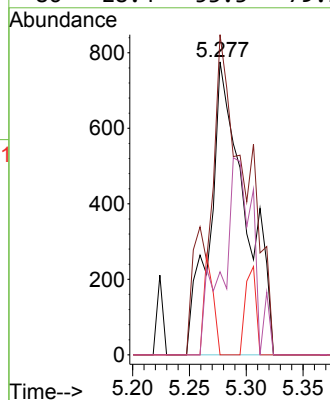


#20
Methylene Chloride
Concen: 0.285 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

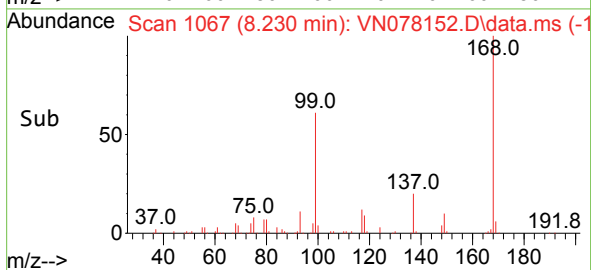
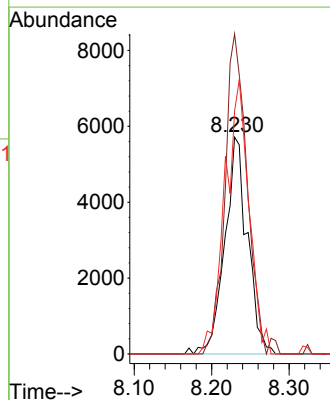
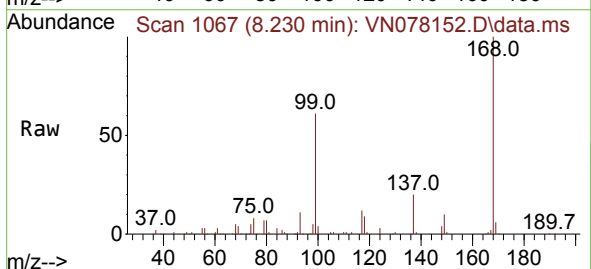


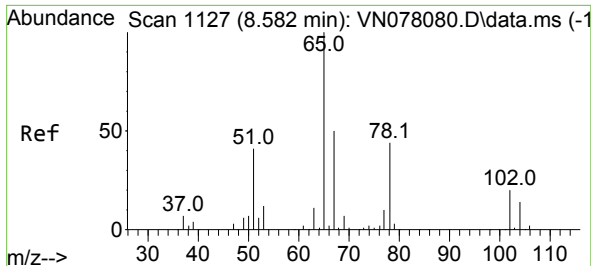
Tgt Ion: 84	Resp: 1677
Ion Ratio	Lower Upper
84 100	
49 109.3	79.7 119.5
51 0.0	25.2 37.8#
86 28.4	53.3 79.9#



#31
Cyclohexane
Concen: 1.461 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Tgt Ion: 56	Resp: 11599		
Ion Ratio	Lower	Upper	
56	100		
69	147.6	26.8	40.2#
84	112.0	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 53.766 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078152.D

Acq: 09 Jun 2023 17:46

Instrument :

MSVOA_N

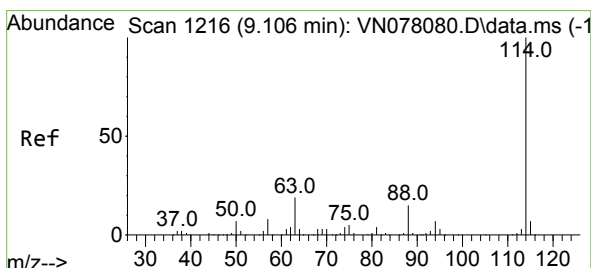
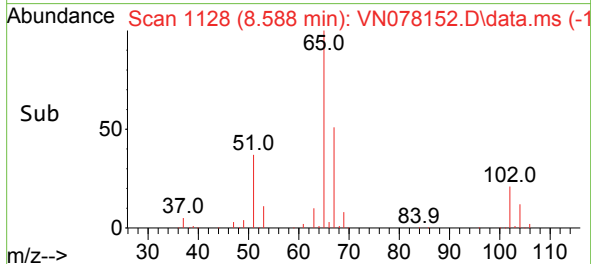
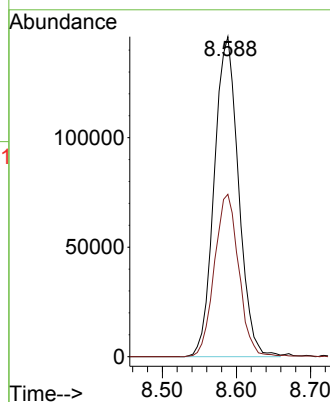
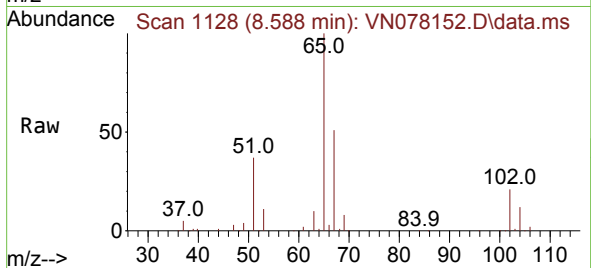
ClientSampleId :

Tgt Ion: 65 Resp: 332793

Ion Ratio Lower Upper

65 100

67 51.1 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: VN078152.D

Acq: 09 Jun 2023 17:46

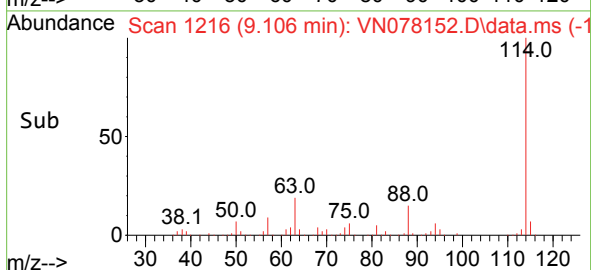
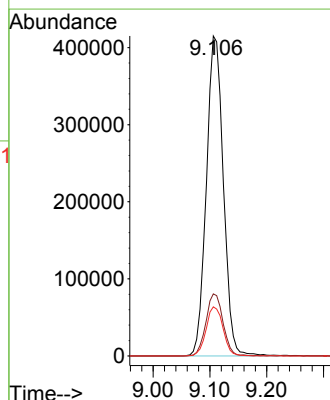
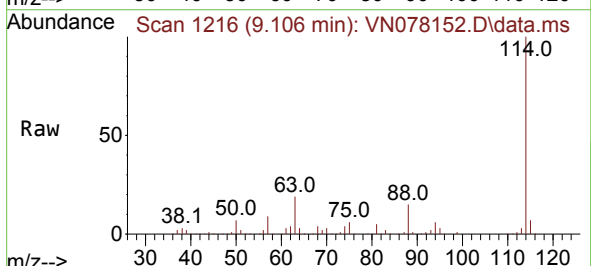
Tgt Ion: 114 Resp: 861785

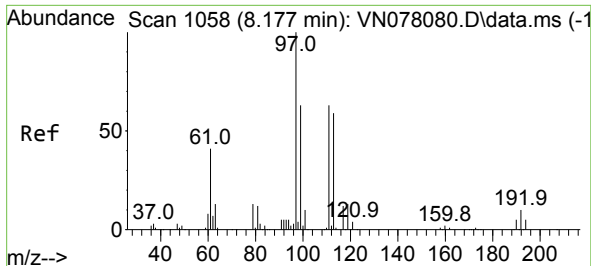
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

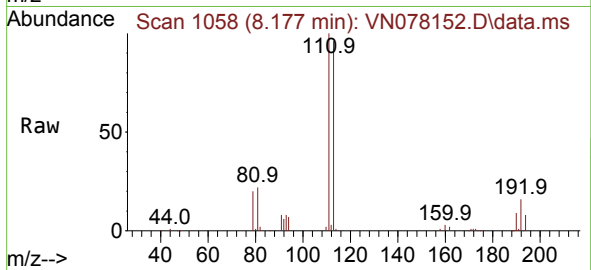
88 15.3 0.0 30.6



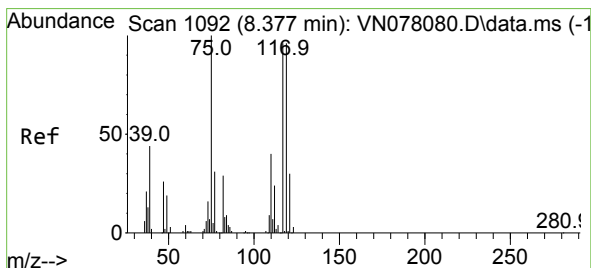
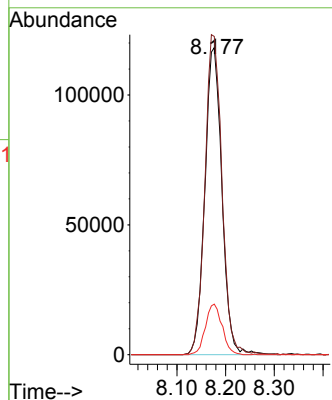
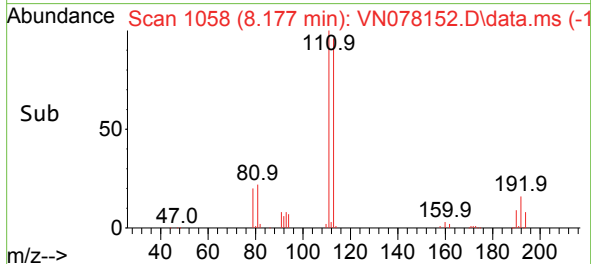


#35
Dibromofluoromethane
Concen: 52.693 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

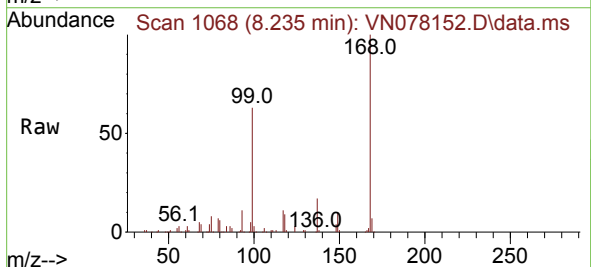
Instrument :
MSVOA_N
ClientSampleId :



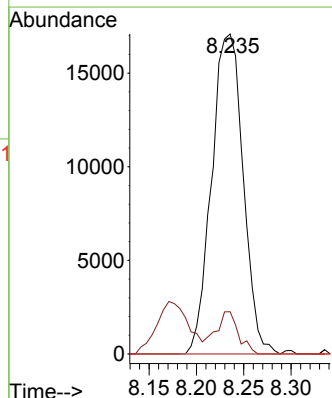
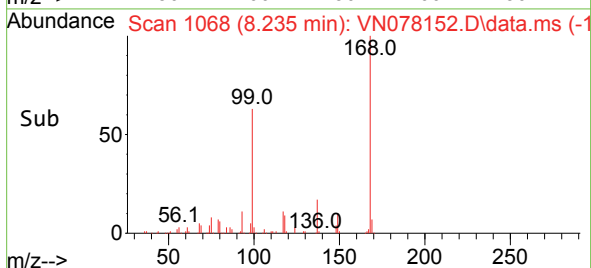
Tgt Ion:113 Resp: 287123
Ion Ratio Lower Upper
113 100
111 104.3 82.6 123.8
192 16.1 12.7 19.1

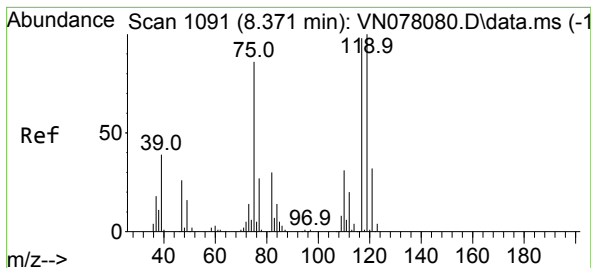


#36
1,1-Dichloropropene
Concen: 5.067 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46



Tgt Ion: 75 Resp: 39606
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.252 ug/l

RT: 8.230 min Scan# 1091

Delta R.T. -0.141 min

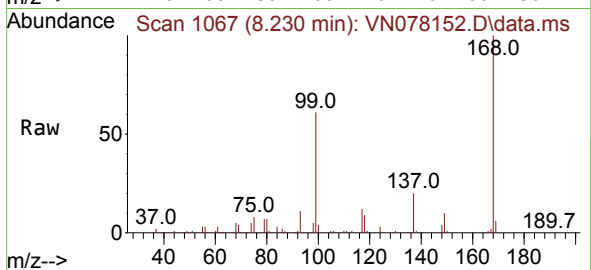
Lab File: VN078152.D

Acq: 09 Jun 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :



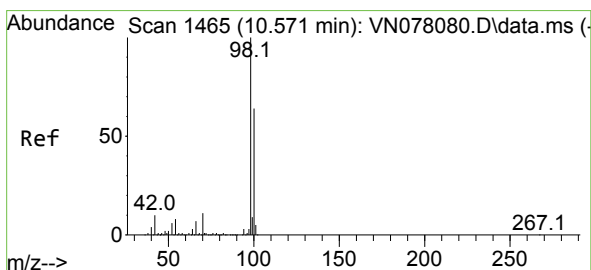
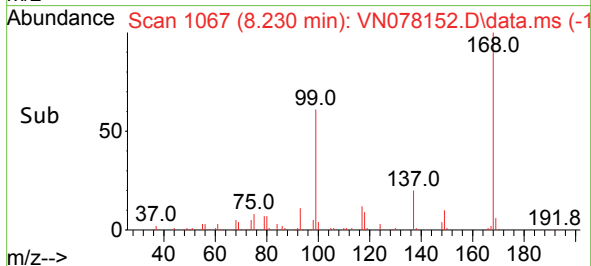
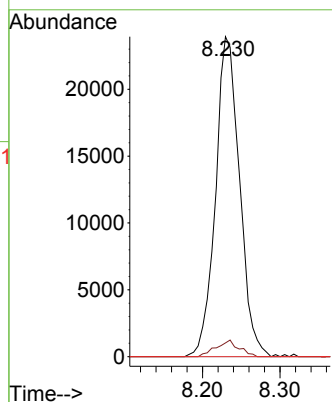
Tgt Ion:117 Resp: 51598

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 49.154 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078152.D

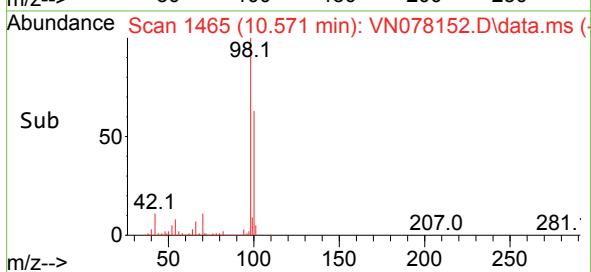
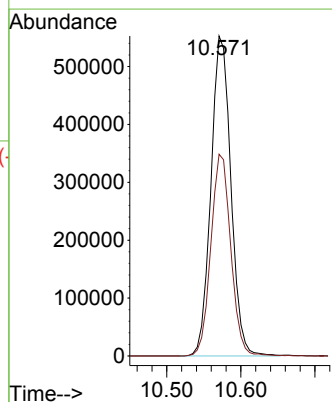
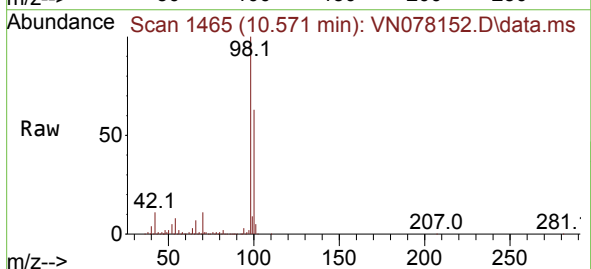
Acq: 09 Jun 2023 17:46

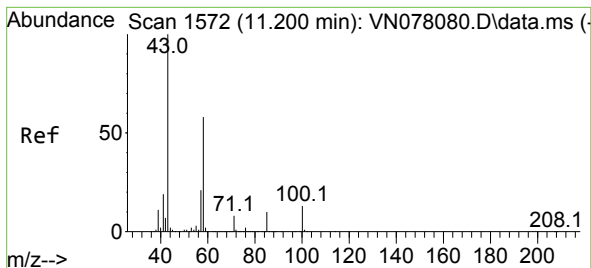
Tgt Ion: 98 Resp: 1032544

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

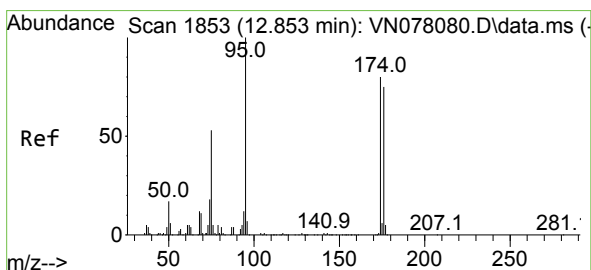
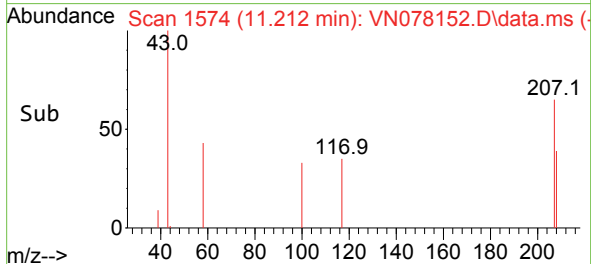
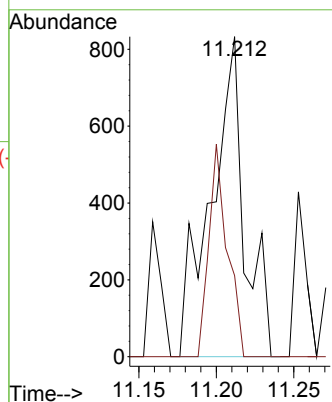
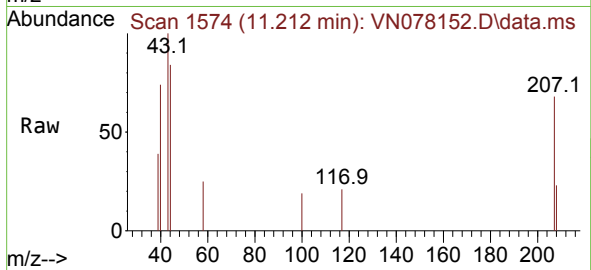




#59
2-Hexanone
Concen: 0.292 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

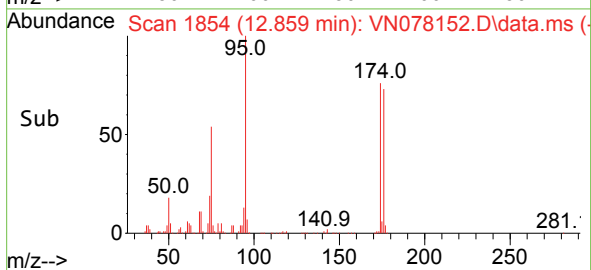
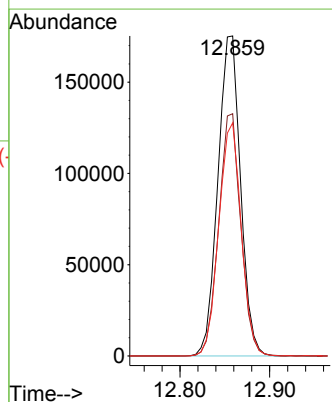
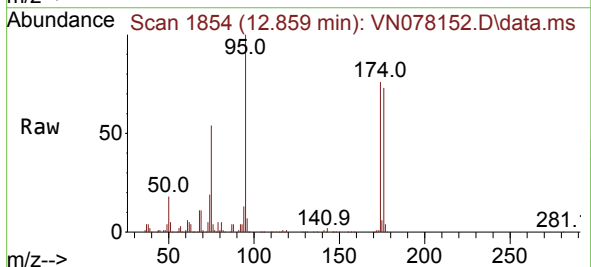
Instrument :
MSVOA_N
ClientSampleId :

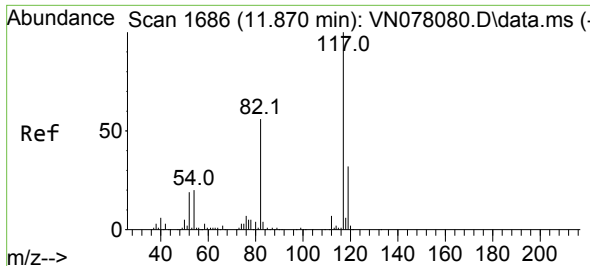
Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
58 36.5 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 47.070 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

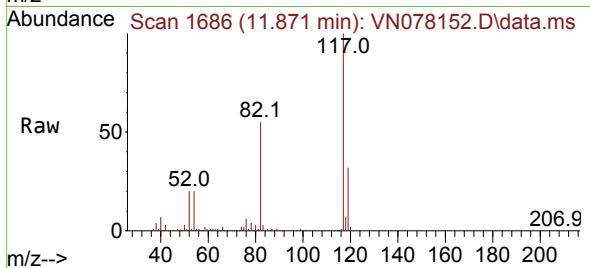
Tgt Ion: 95 Resp: 307383
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 72.3 0.0 135.8



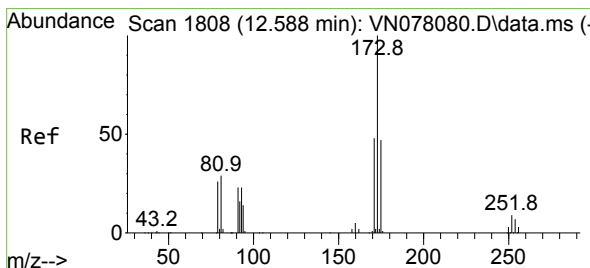
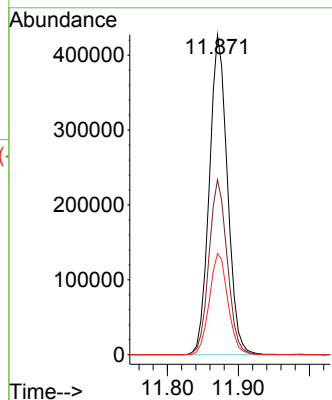
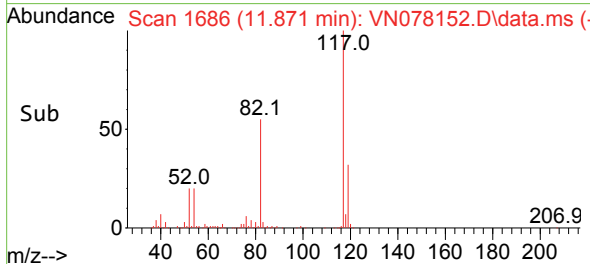


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

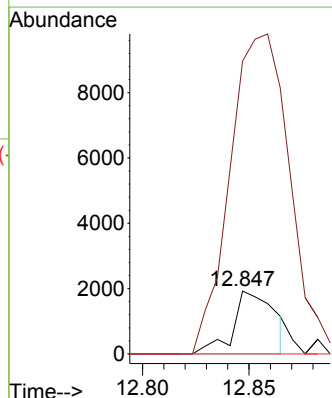
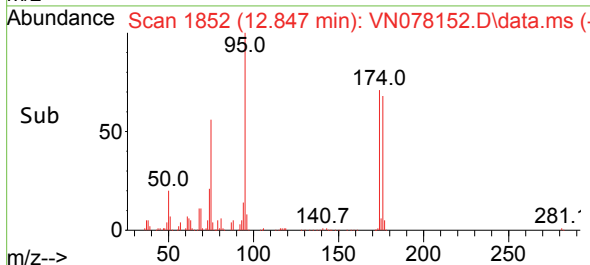
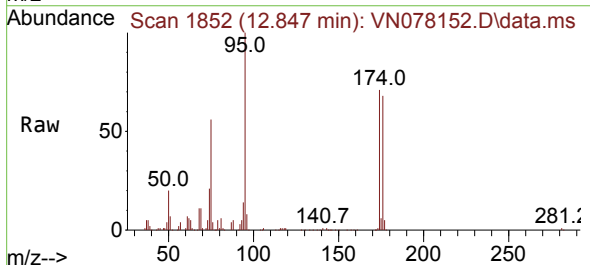


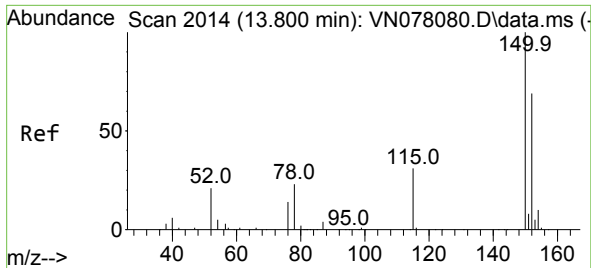
Tgt Ion:117 Resp: 755483
Ion Ratio Lower Upper
117 100
82 54.7 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.672 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Tgt Ion:173 Resp: 2580
Ion Ratio Lower Upper
173 100
175 627.8 24.3 73.0#
254 0.0 0.0 0.0

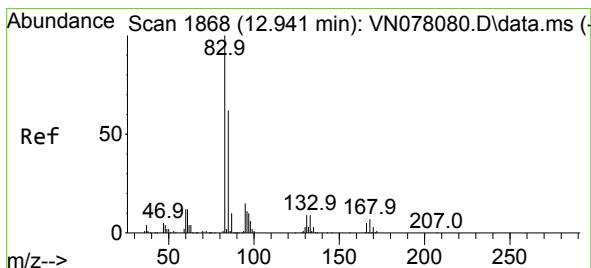
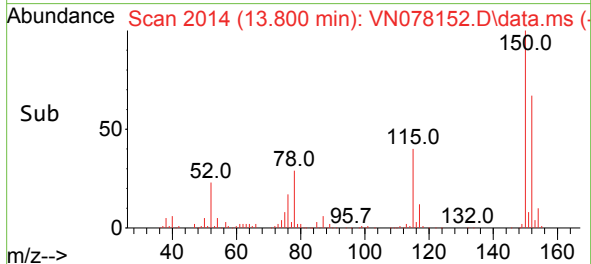
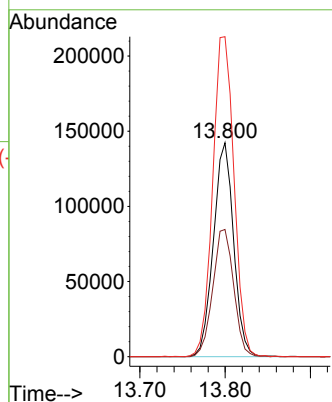
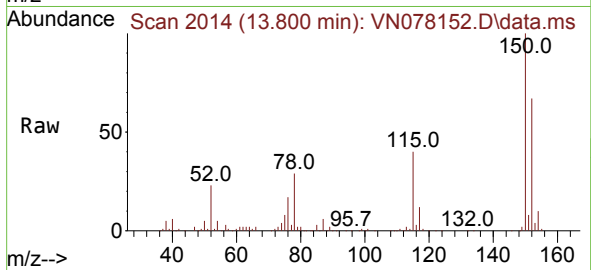




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078152.D
 Acq: 09 Jun 2023 17:46

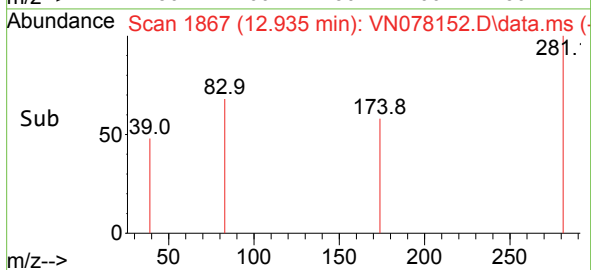
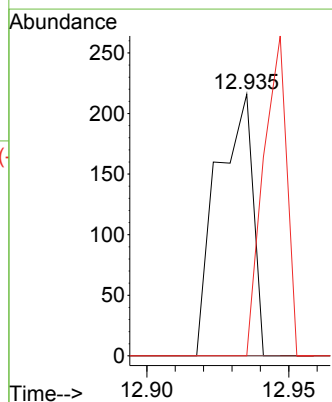
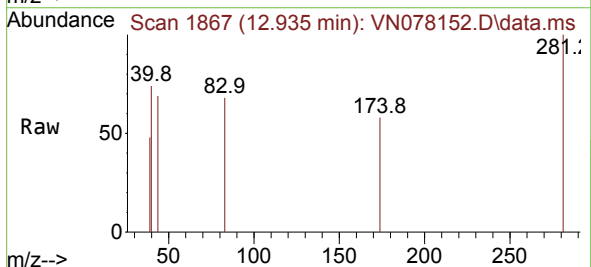
Instrument :
 MSVOA_N
 ClientSampleId :

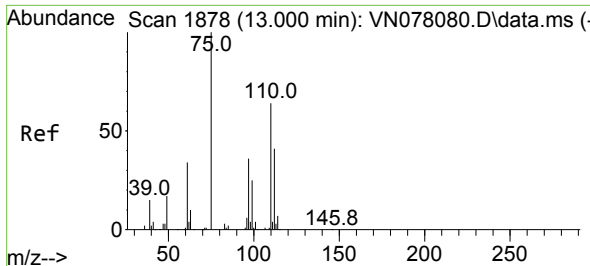
Tgt Ion:152 Resp: 234337
 Ion Ratio Lower Upper
 152 100
 115 61.6 32.3 96.8
 150 157.8 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VN078152.D
 Acq: 09 Jun 2023 17:46

Tgt Ion: 83 Resp: 189
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 79.9 31.9 95.7

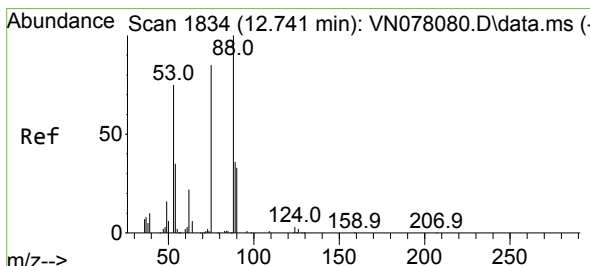
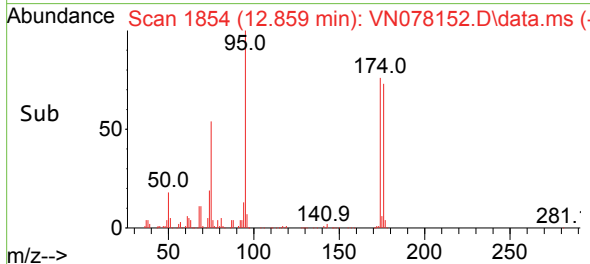
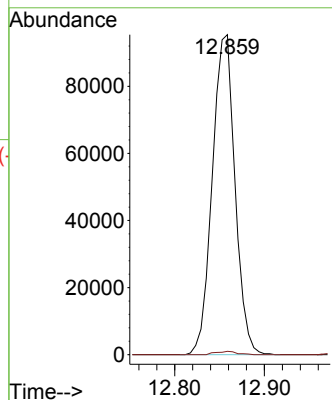
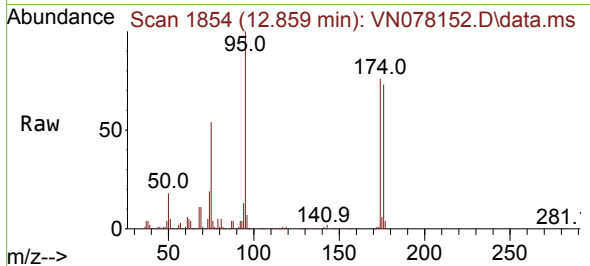




#76
1,2,3-Trichloropropane
Concen: 30.248 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

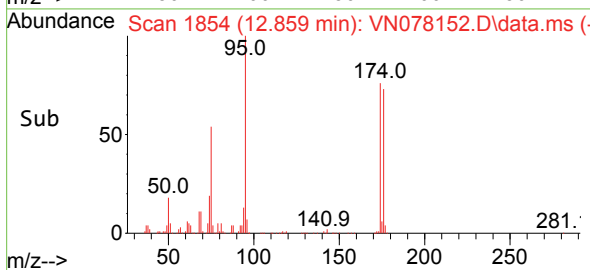
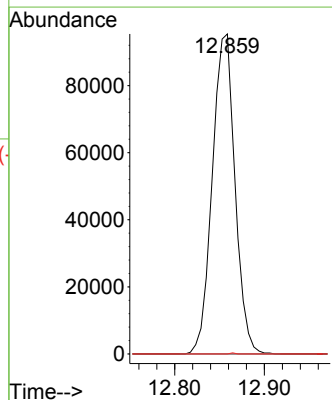
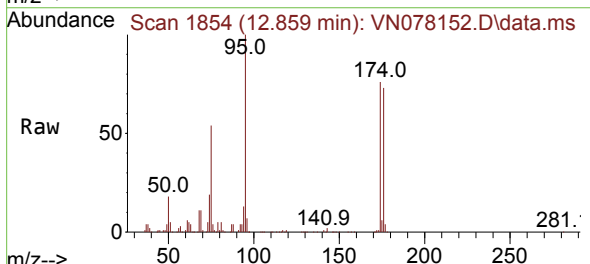
Instrument :
MSVOA_N
ClientSampleId :

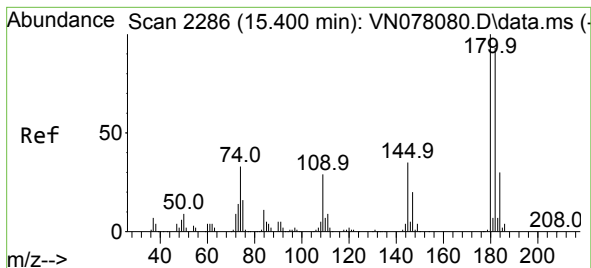
Tgt Ion: 75 Resp: 167570
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.932 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Tgt Ion: 75 Resp: 167570
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: 0.243 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.000 min

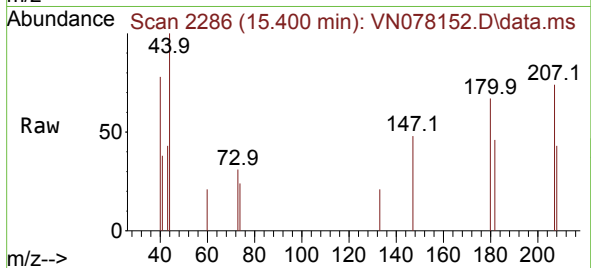
Lab File: VN078152.D

Acq: 09 Jun 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :



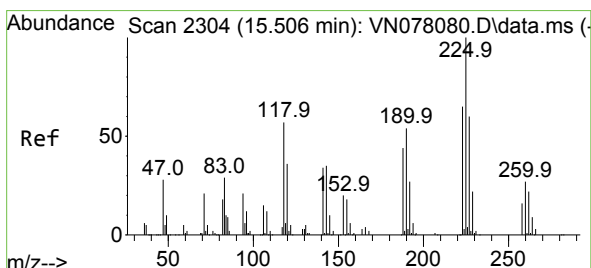
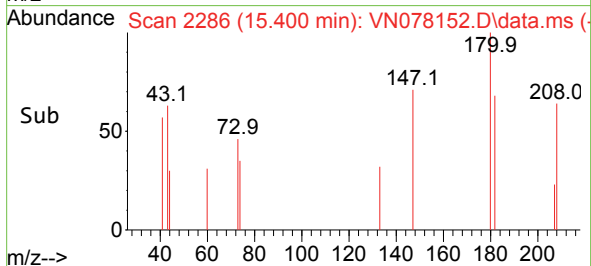
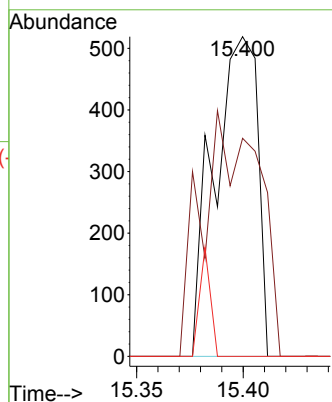
Tgt Ion:180 Resp: 736

Ion Ratio Lower Upper

180 100

182 100.1 46.1 138.2

145 8.4 16.6 49.8#



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078152.D

Acq: 09 Jun 2023 17:46

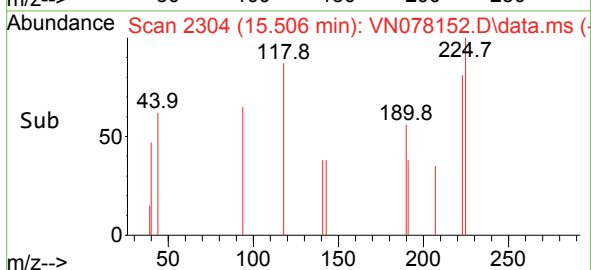
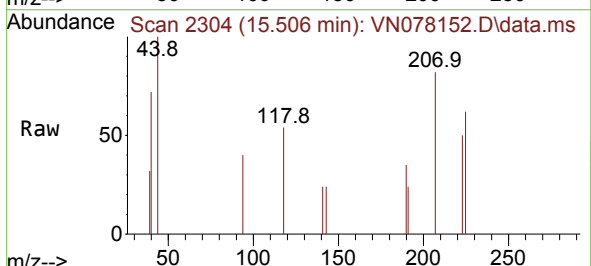
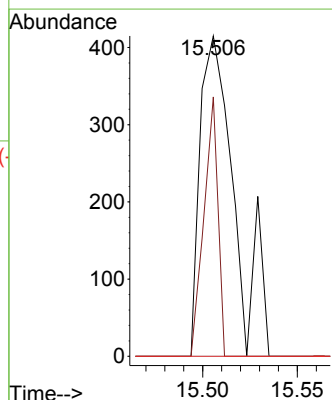
Tgt Ion:225 Resp: 525

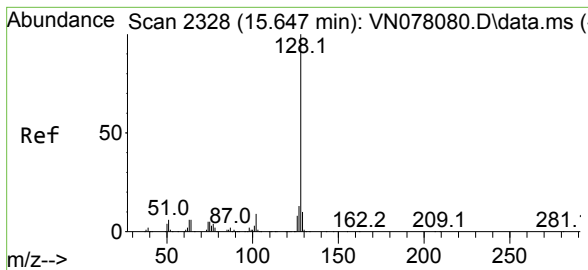
Ion Ratio Lower Upper

225 100

223 33.0 31.3 93.8

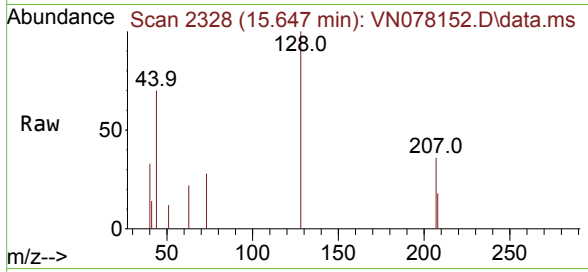
227 0.0 31.9 95.9#





#95
Naphthalene
Concen: 0.279 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN078152.D
Acq: 09 Jun 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2841
Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.0	15.0#
129	2.7	8.7	13.1#

