

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078566.D
 Acq On : 18 Jul 2023 17:16
 Operator : JC\MD
 Sample : 03645-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RINSATE-BLANK

Quant Time: Jul 19 01:53:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	401033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	752774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	693621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	242621	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	273157	50.808	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.620%	
35) Dibromofluoromethane	8.177	113	277378	54.281	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.560%	
50) Toluene-d8	10.570	98	862849	44.697	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 89.400%	
62) 4-Bromofluorobenzene	12.853	95	302388	50.855	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.700%	

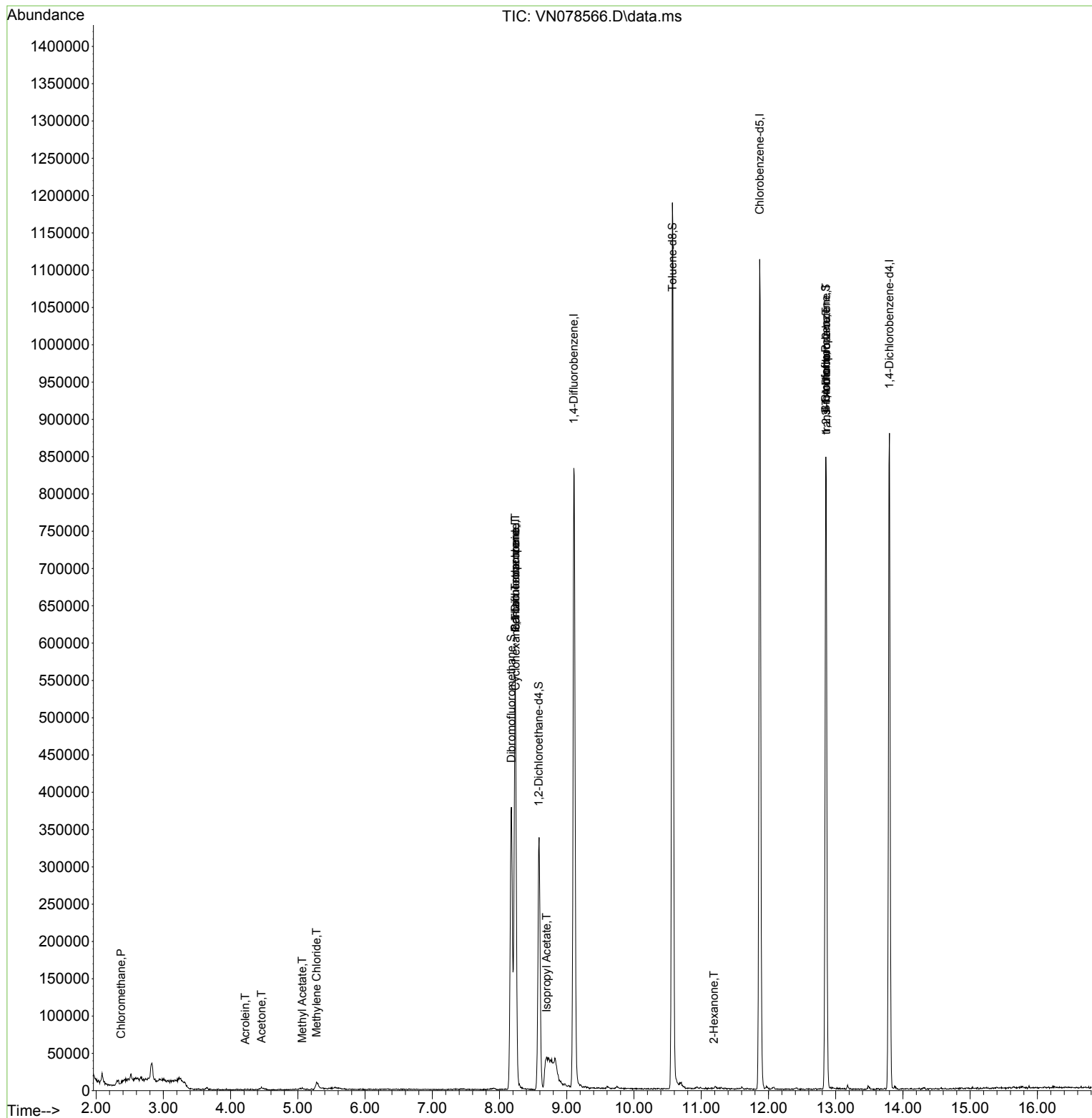
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1753	0.328	ug/l #	83
5) Bromomethane	2.971	94	1616	Below Cal	#	38
6) Chloroethane	3.089	64	364	Below Cal	#	53
13) Acrolein	4.218	56	232	0.284	ug/l #	50
16) Acetone	4.459	43	3538	2.113	ug/l #	87
18) Methyl Acetate	5.065	43	3226	0.455	ug/l #	50
20) Methylene Chloride	5.277	84	7278	0.300	ug/l	94
31) Cyclohexane	8.241	56	9551	1.315	ug/l #	63
36) 1,1-Dichloropropene	8.235	75	32096	4.350	ug/l #	47
38) Carbon Tetrachloride	8.235	117	44723	5.577	ug/l #	17
43) Isopropyl Acetate	8.700	43	34337	3.391	ug/l #	52
59) 2-Hexanone	11.188	43	1050	0.245	ug/l #	19
71) Bromoform	12.853	173	1874	0.464	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.947	83	119	Below Cal	#	91
76) 1,2,3-Trichloropropane	12.859	75	156821	26.741	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	156821	70.270	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.858	75	69	Below Cal	#	4

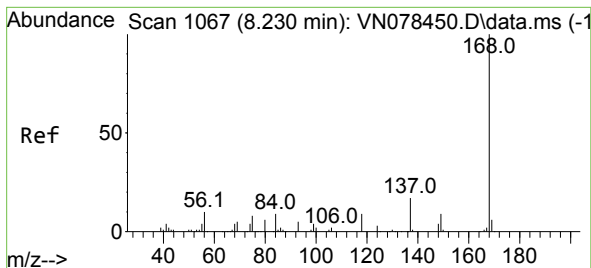
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1067

Delta R.T. 0.005 min

Lab File: VN078566.D

Acq: 18 Jul 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

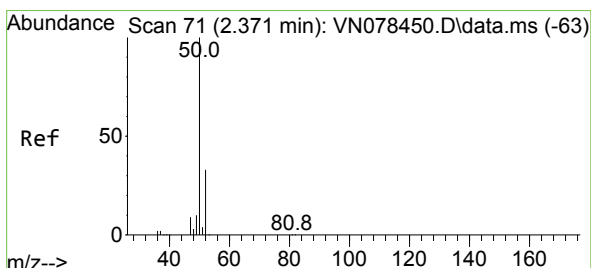
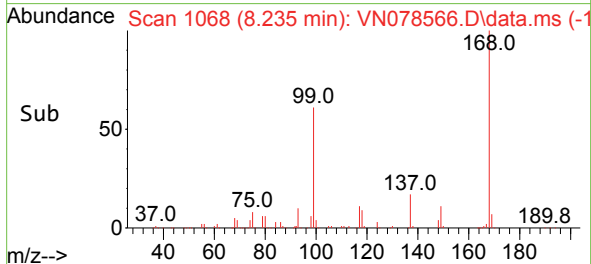
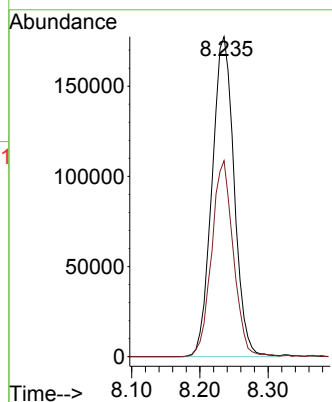
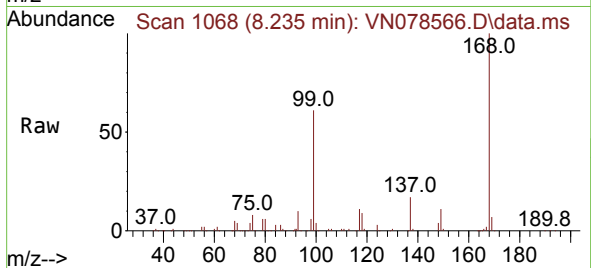
RINSATE-BLANK

Tgt Ion:168 Resp: 401033

Ion Ratio Lower Upper

168 100

99 61.2 53.0 79.6



#3

Chloromethane

Concen: 0.328 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078566.D

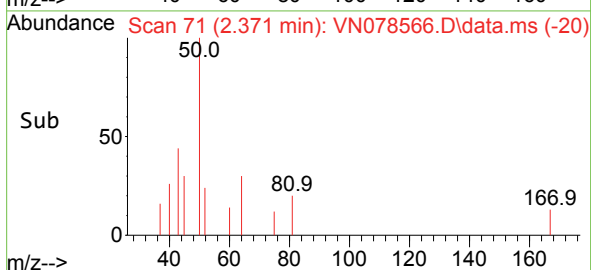
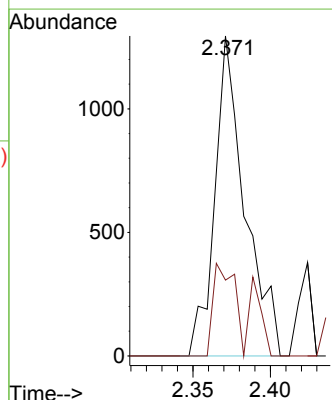
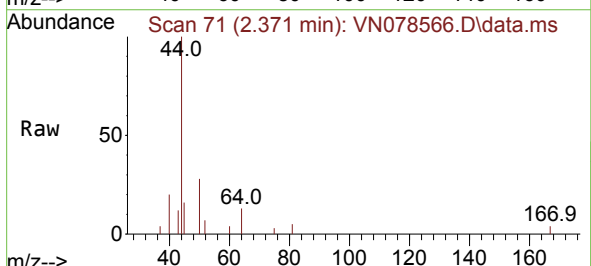
Acq: 18 Jul 2023 17:16

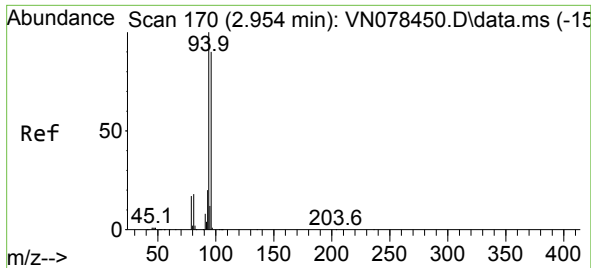
Tgt Ion: 50 Resp: 1753

Ion Ratio Lower Upper

50 100

52 23.7 26.5 39.7#

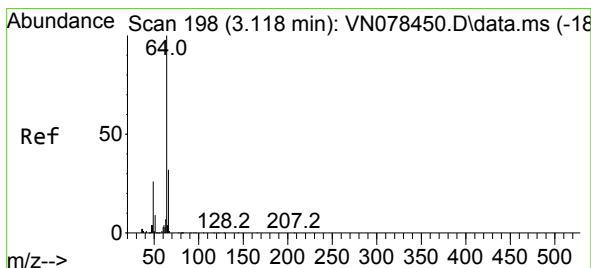
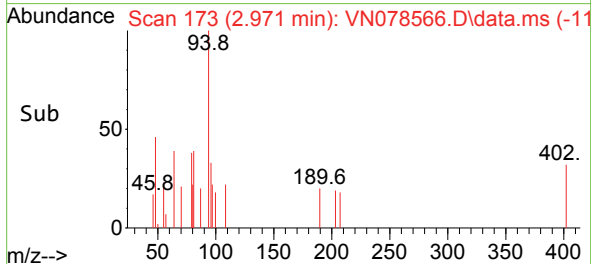
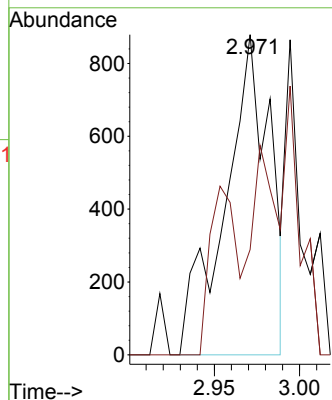
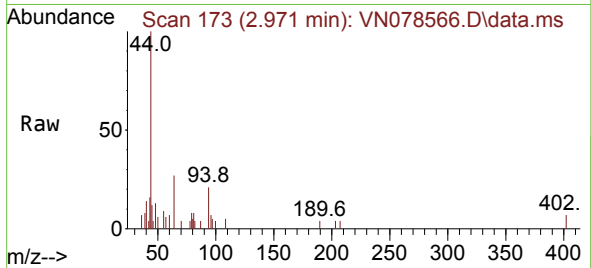




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

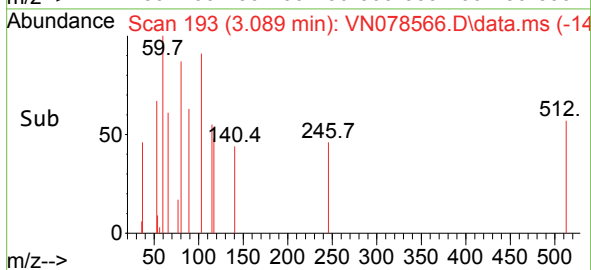
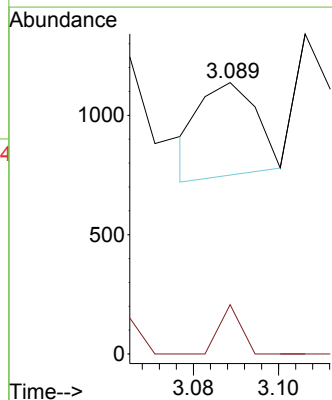
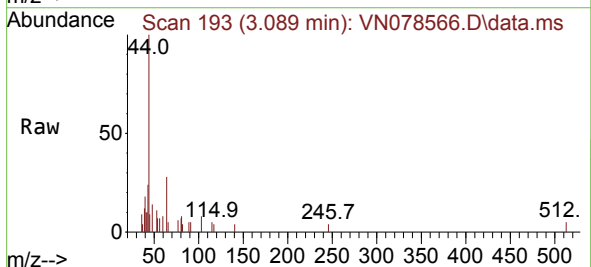
Instrument :
MSVOA_N
ClientSampleId :
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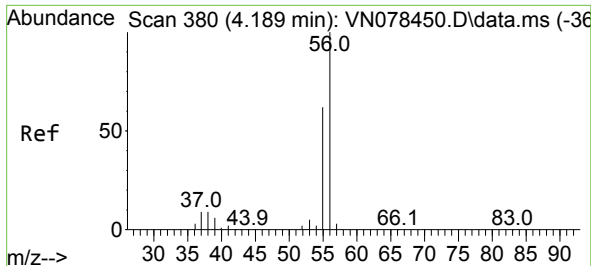
Tgt Ion: 94 Resp: 1616
Ion Ratio Lower Upper
94 100
96 32.9 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 64 Resp: 364
Ion Ratio Lower Upper
64 100
66 57.8 25.4 38.2#

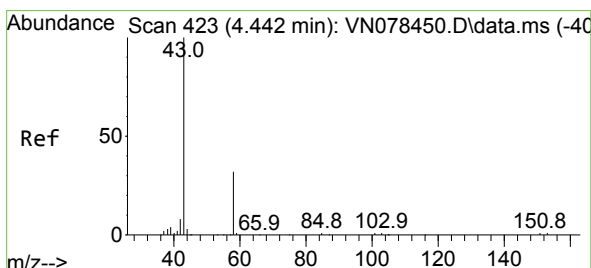
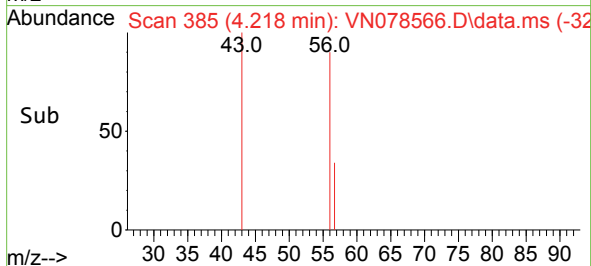
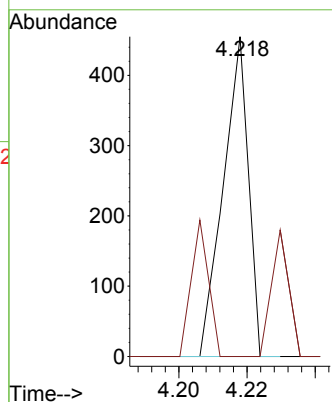
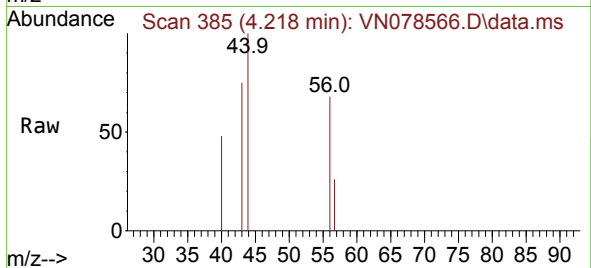




#13
Acrolein
Concen: 0.284 ug/l
RT: 4.218 min Scan# 385
Delta R.T. 0.029 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

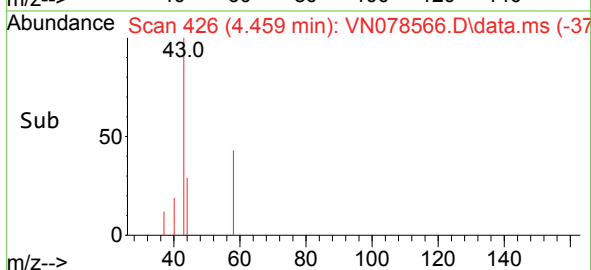
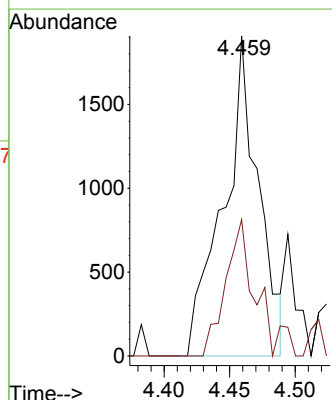
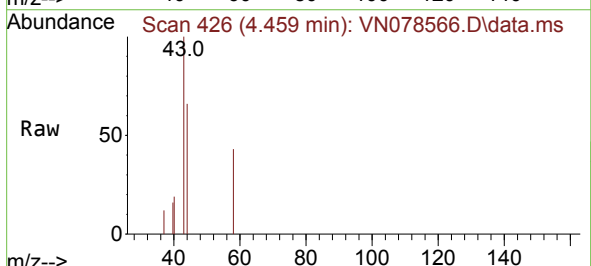
Instrument :
MSVOA_N
ClientSampleId :
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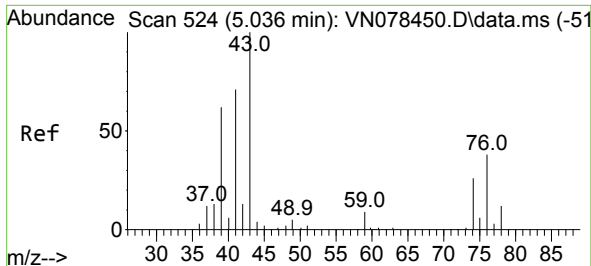
Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 27.6 54.5 81.7#



#16
Acetone
Concen: 2.113 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 43 Resp: 3538
Ion Ratio Lower Upper
43 100
58 42.7 28.0 42.0#

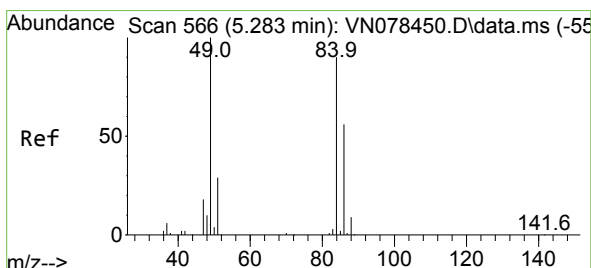
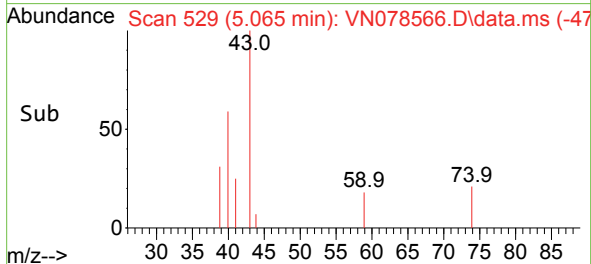
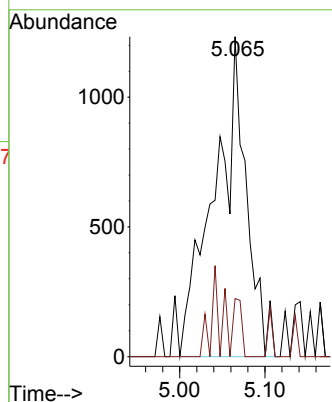
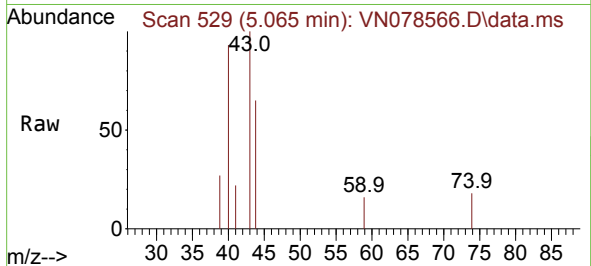




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 5.065 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

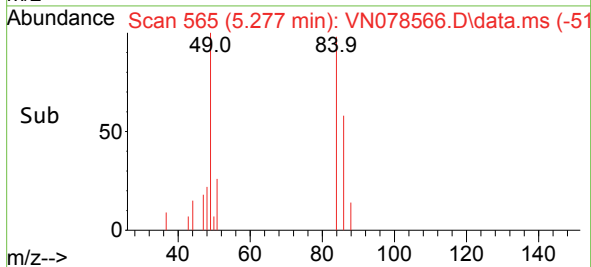
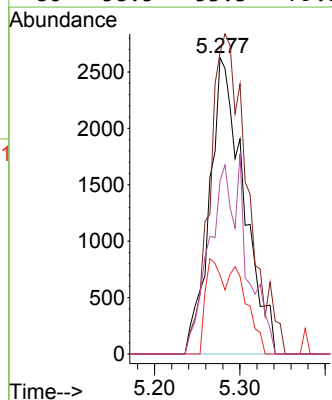
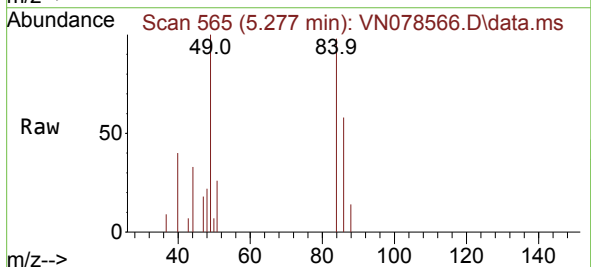
Instrument :
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ClientSampleId :
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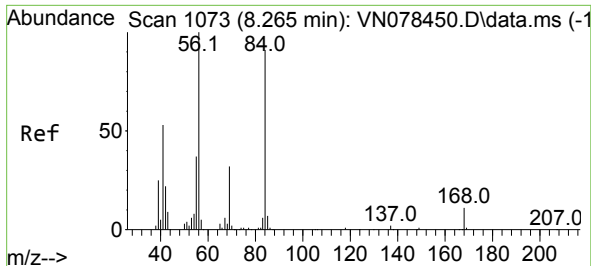
Tgt Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
74 4.8 26.2 39.4#



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 84 Resp: 7278
Ion Ratio Lower Upper
84 100
49 101.7 79.7 119.5
51 26.6 25.2 37.8
86 58.5 53.3 79.9

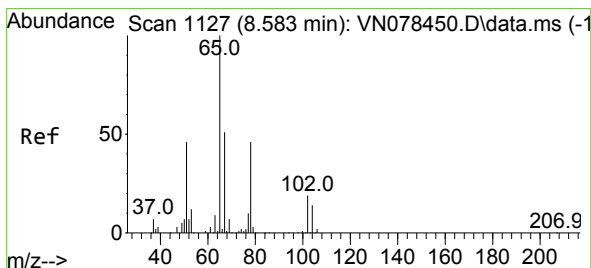
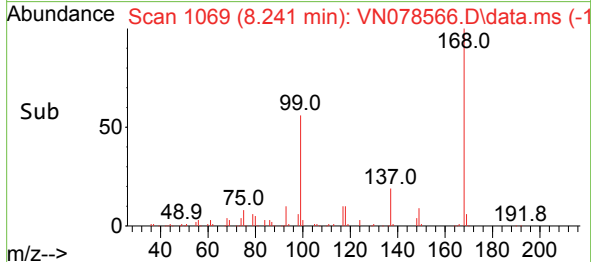
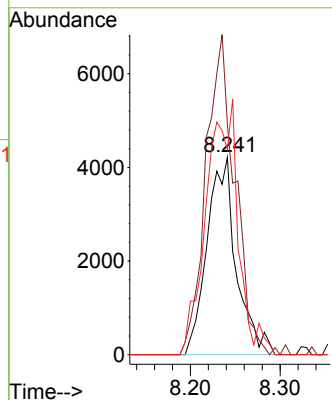
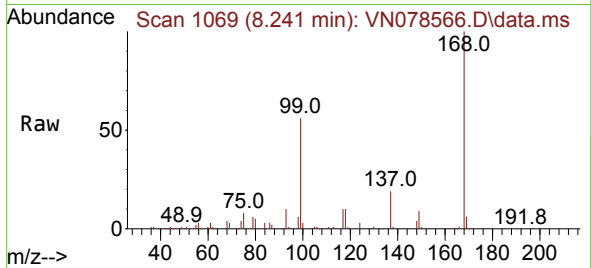




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

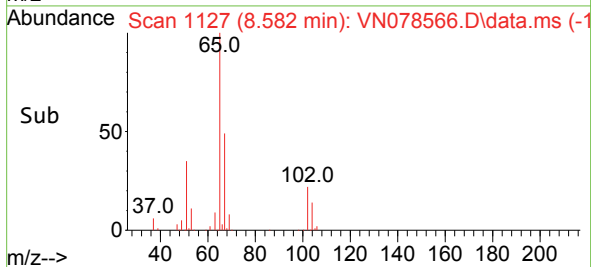
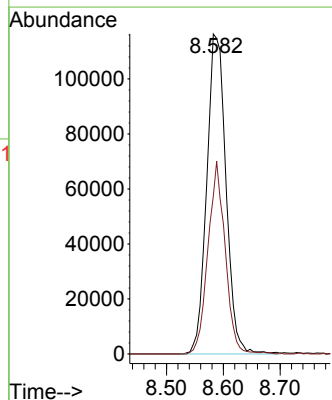
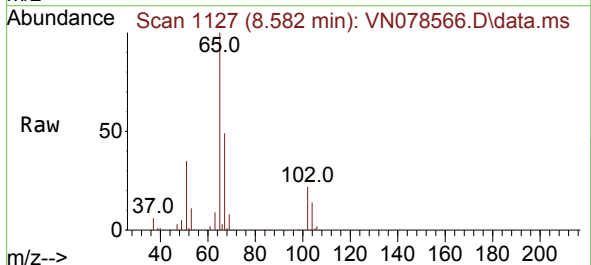
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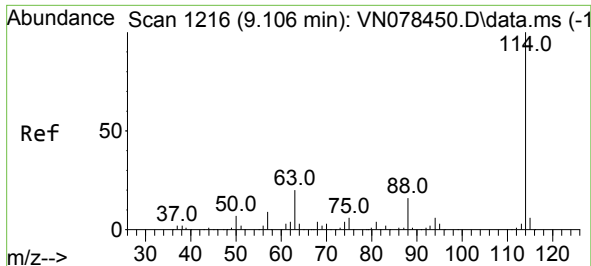
Tgt Ion: 56 Resp: 9551
Ion Ratio Lower Upper
56 100
69 116.6 26.8 40.2#
84 103.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.808 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 65 Resp: 273157
Ion Ratio Lower Upper
65 100
67 53.7 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: VN078566.D

Acq: 18 Jul 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

RINSATE-BLANK

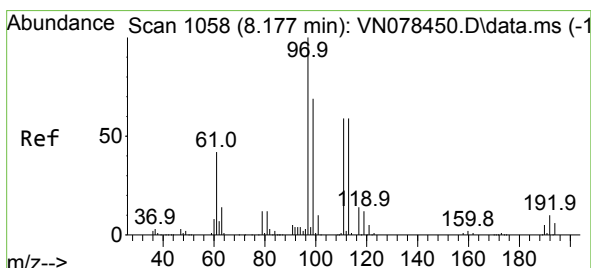
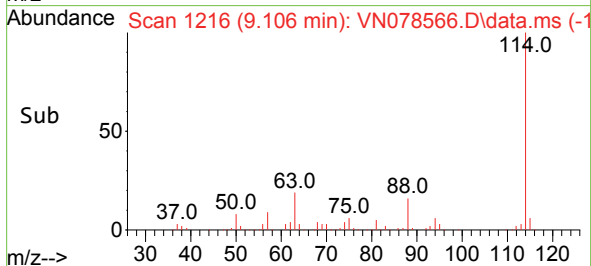
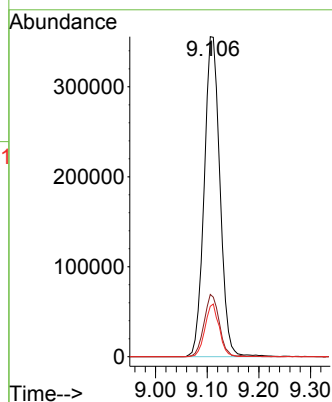
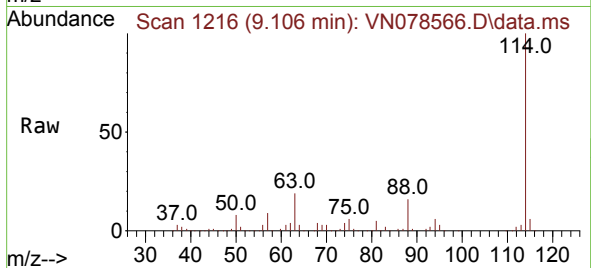
Tgt Ion:114 Resp: 752774

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.281 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078566.D

Acq: 18 Jul 2023 17:16

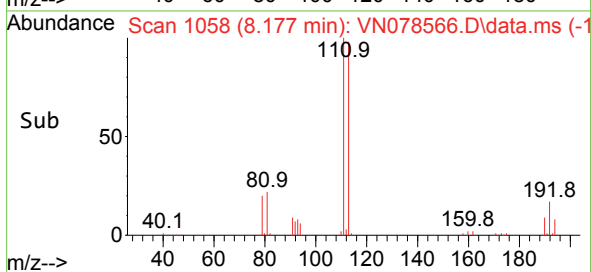
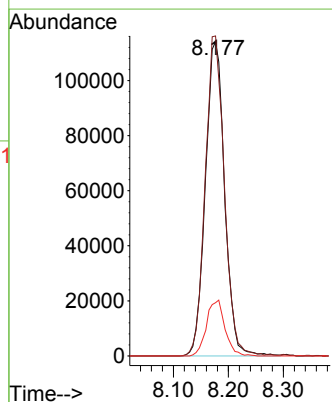
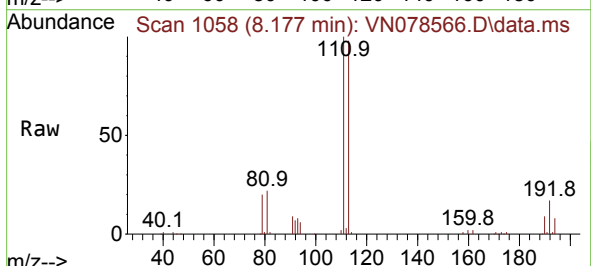
Tgt Ion:113 Resp: 277378

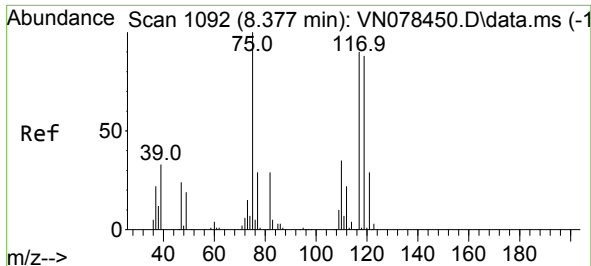
Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.350 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN078566.D

Acq: 18 Jul 2023 17:16

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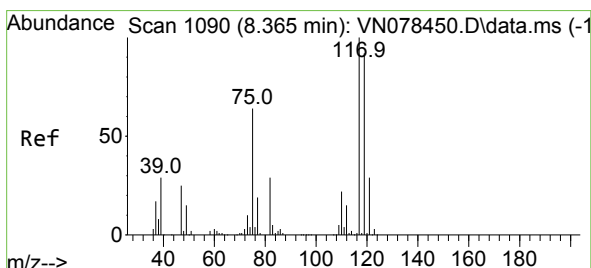
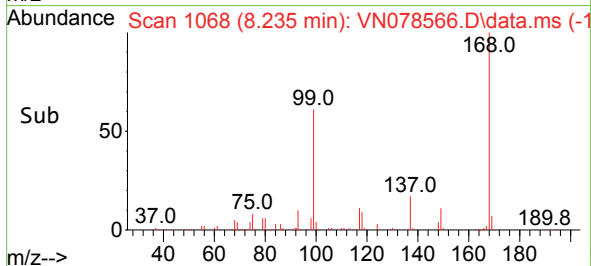
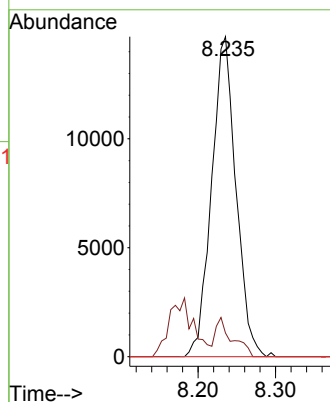
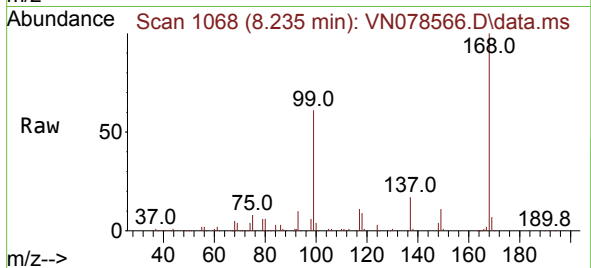
Tgt Ion: 75 Resp: 32096

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.130 min

Lab File: VN078566.D

Acq: 18 Jul 2023 17:16

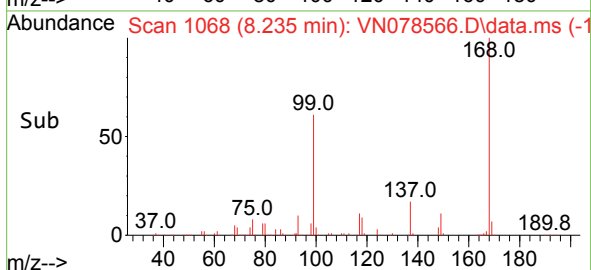
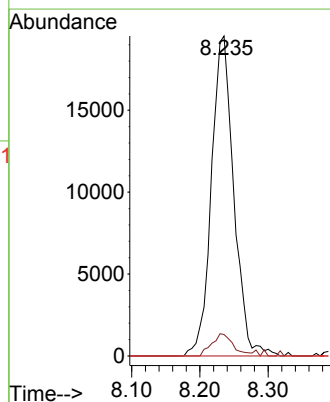
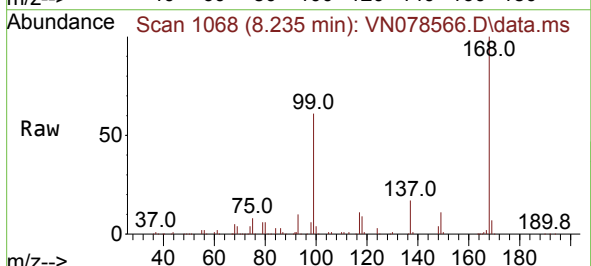
Tgt Ion: 117 Resp: 44723

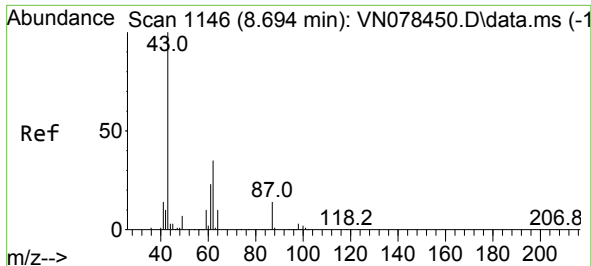
Ion Ratio Lower Upper

117 100

119 6.7 77.3 115.9#

121 0.0 23.3 34.9#

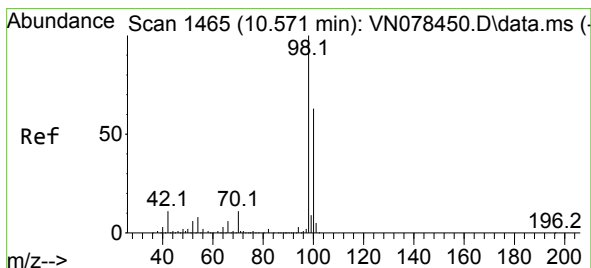
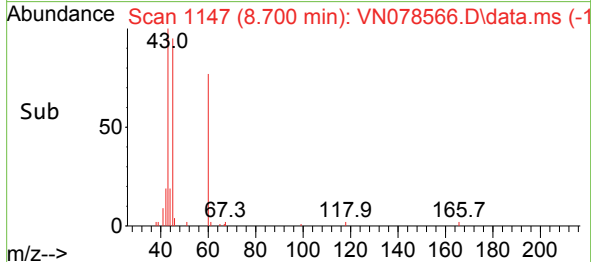
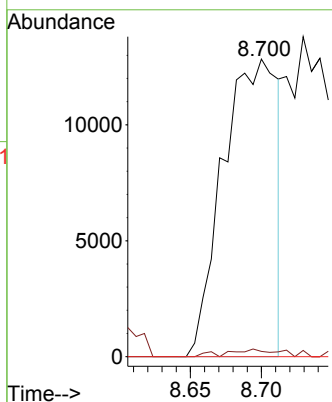
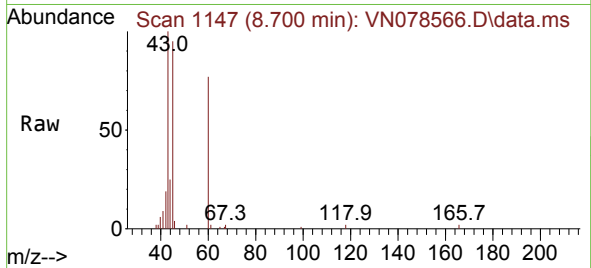




#43
Isopropyl Acetate
Concen: 3.391 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

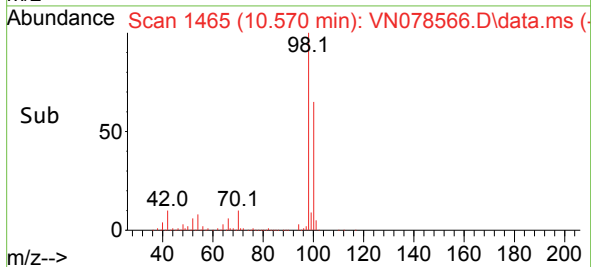
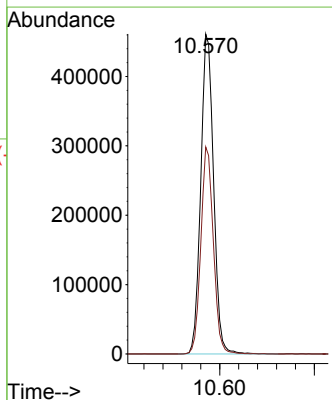
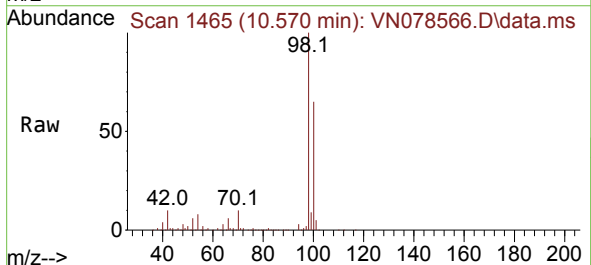
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

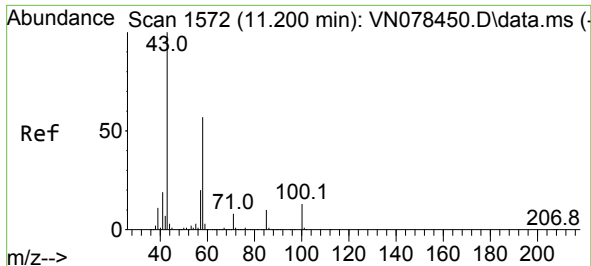
Tgt Ion: 43 Resp: 34337
Ion Ratio Lower Upper
43 100
61 2.2 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 44.697 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 98 Resp: 862849
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

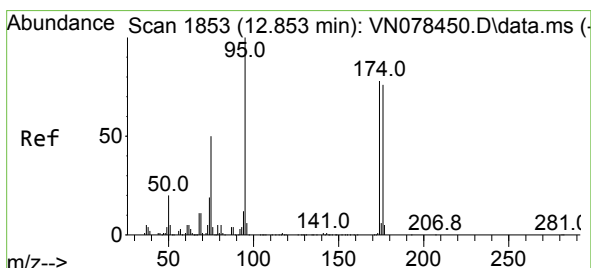
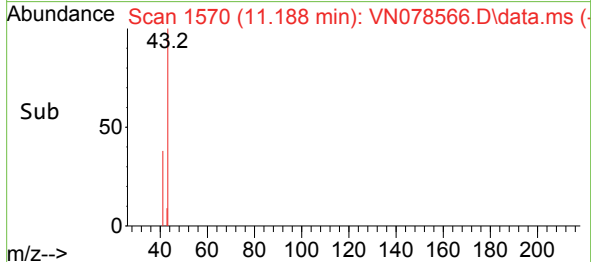
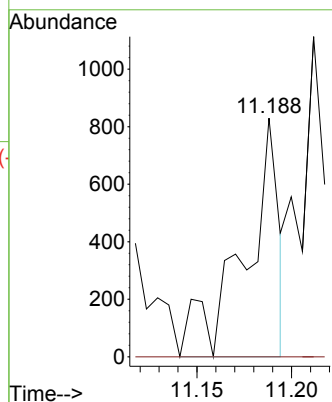
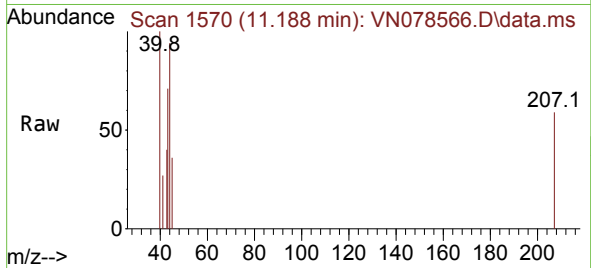




#59
2-Hexanone
Concen: 0.245 ug/l
RT: 11.188 min Scan# 111
Delta R.T. -0.012 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

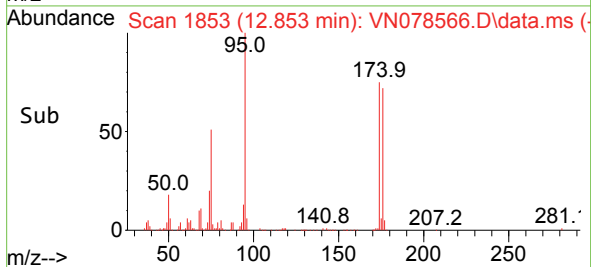
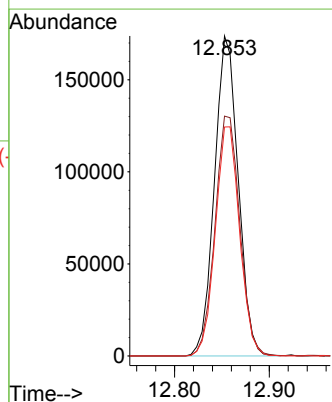
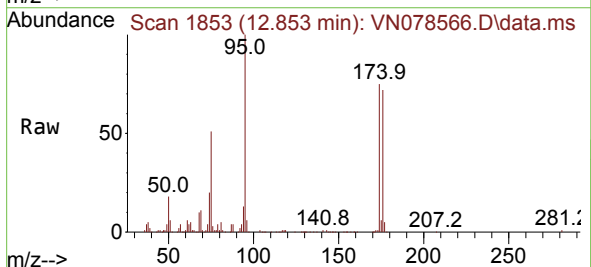
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

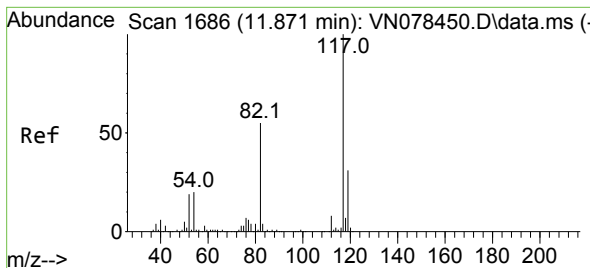
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 95 Resp: 302388
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 73.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078566.D

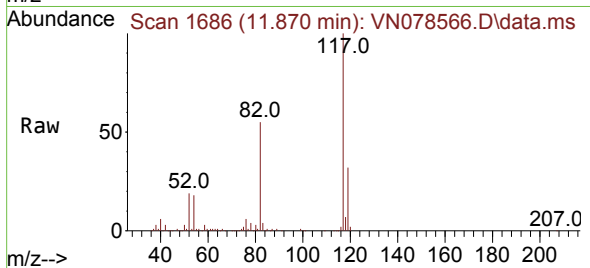
Acq: 18 Jul 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

RINSATE-BLANK



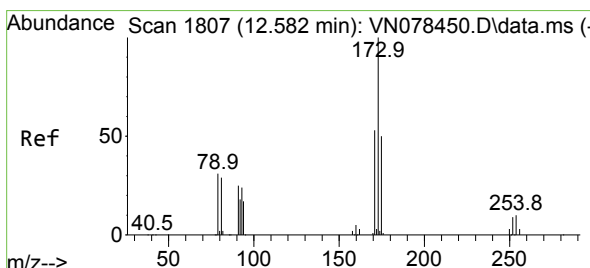
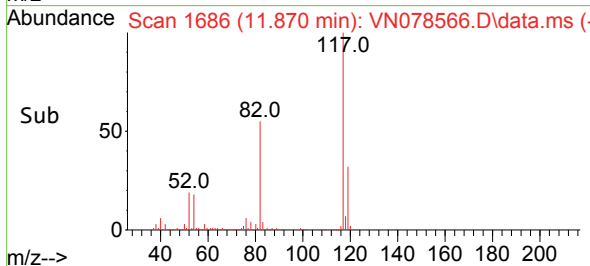
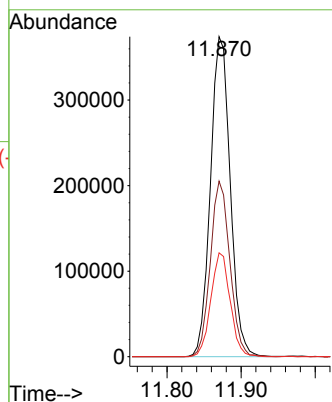
Tgt Ion:117 Resp: 693621

Ion Ratio Lower Upper

117 100

82 54.9 44.0 66.0

119 32.4 25.6 38.4



#71

Bromoform

Concen: 0.464 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN078566.D

Acq: 18 Jul 2023 17:16

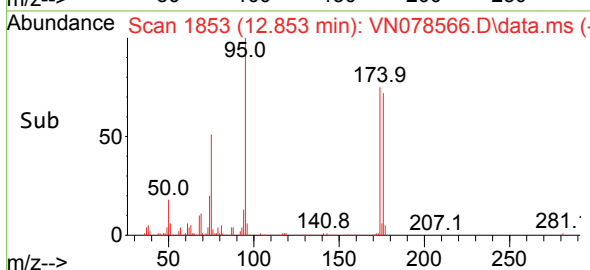
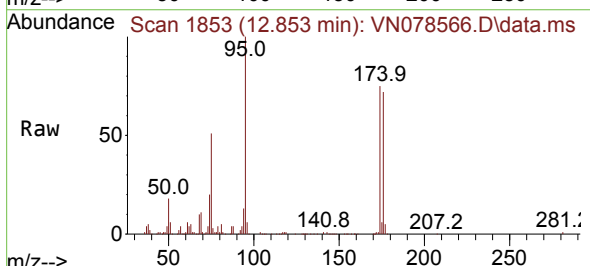
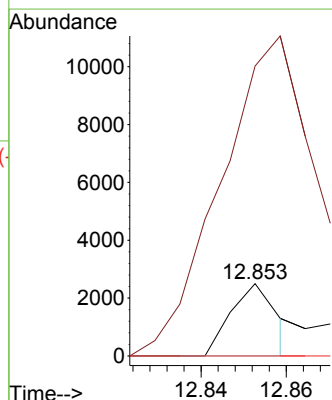
Tgt Ion:173 Resp: 1874

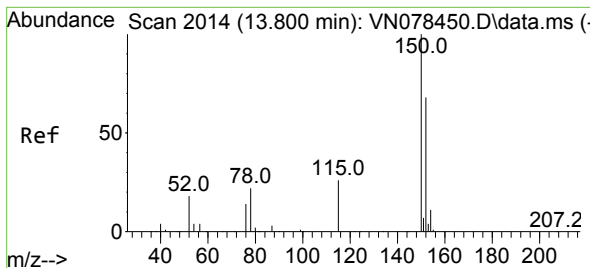
Ion Ratio Lower Upper

173 100

175 0.0 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: VN078566.D

Acq: 18 Jul 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

RINSATE-BLANK

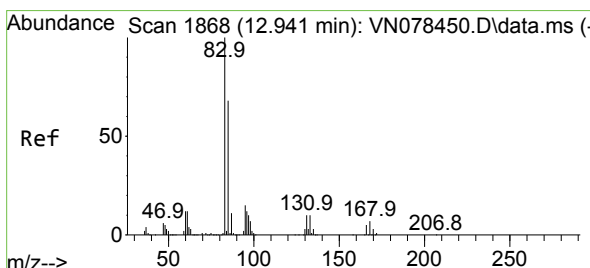
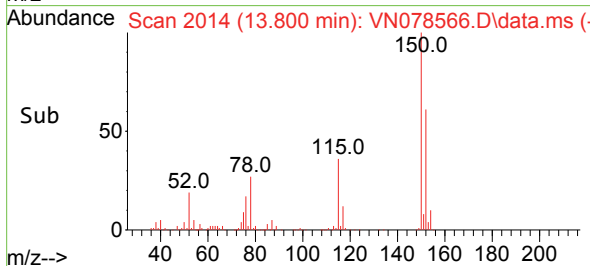
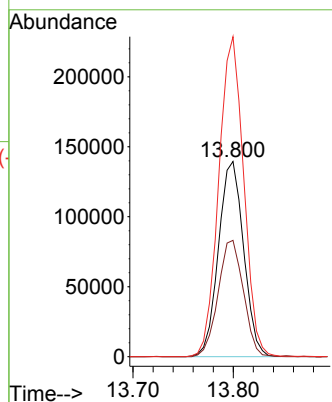
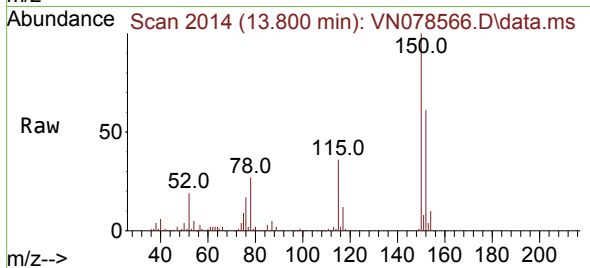
Tgt Ion:152 Resp: 242621

Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

150 162.4 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: VN078566.D

Acq: 18 Jul 2023 17:16

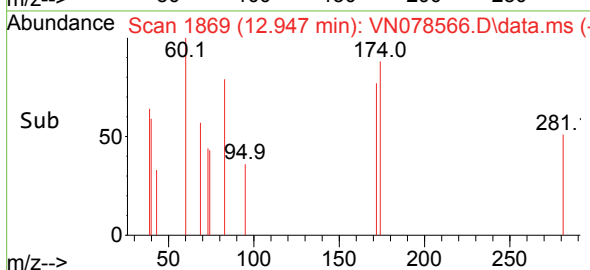
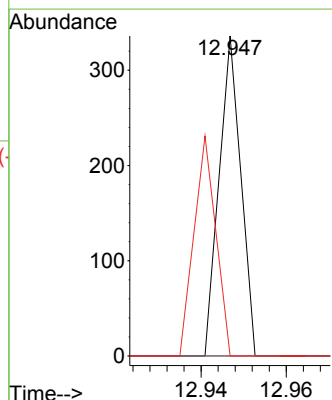
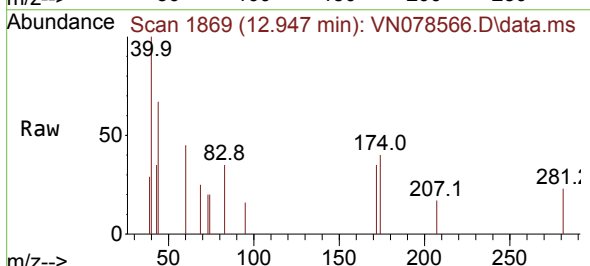
Tgt Ion: 83 Resp: 119

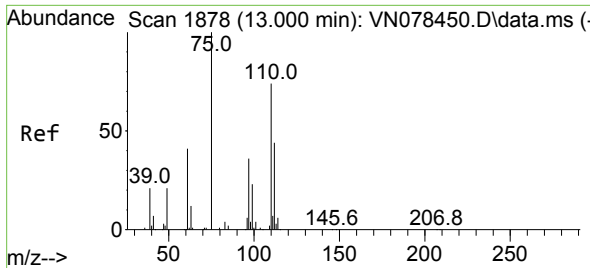
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 68.9 31.9 95.7

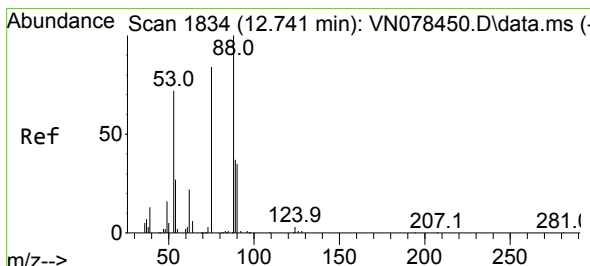
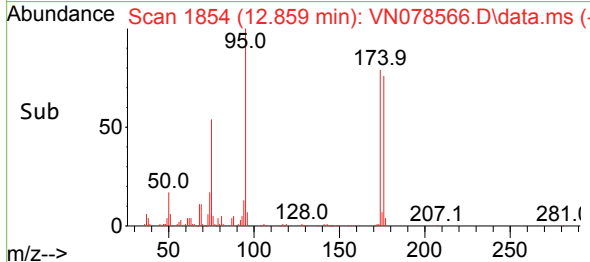
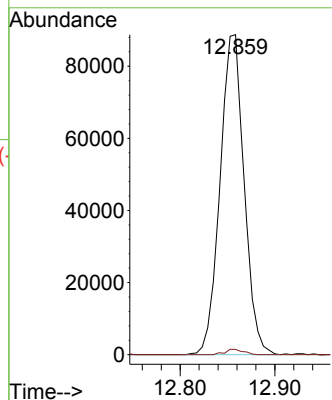
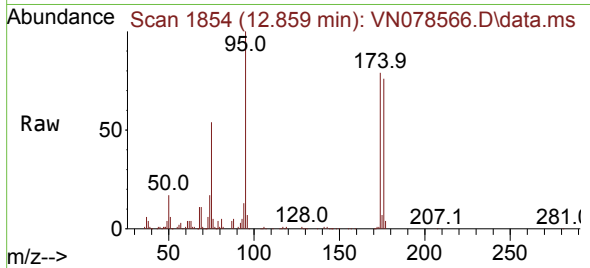




#76
1,2,3-Trichloropropane
Concen: 26.741 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

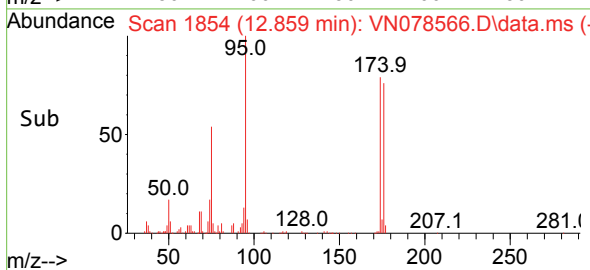
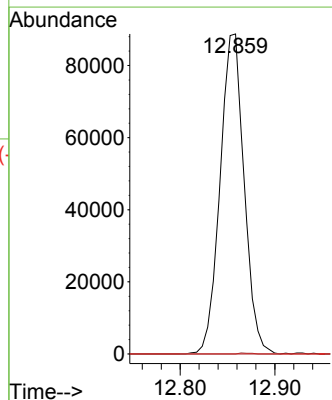
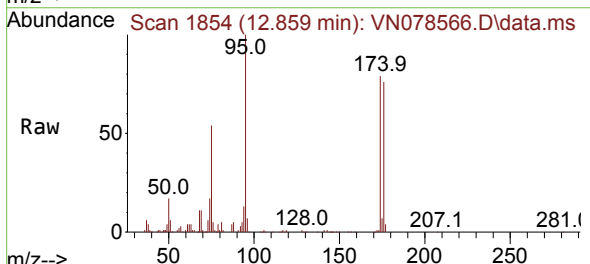
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

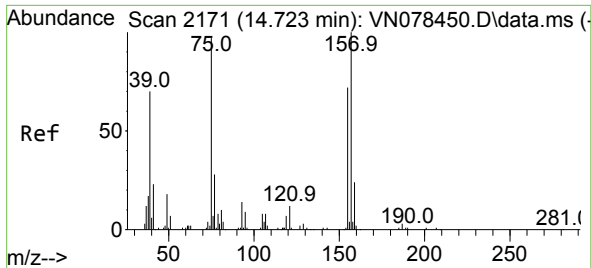
Tgt Ion: 75 Resp: 156821
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.270 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078566.D
Acq: 18 Jul 2023 17:16

Tgt Ion: 75 Resp: 156821
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.858 min Scan# 21
 Delta R.T. 0.135 min
 Lab File: VN078566.D
 Acq: 18 Jul 2023 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RINSATE-BLANK

Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

