

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077736.D
 Acq On : 18 May 2023 15:08
 Operator : JC\MD
 Sample : 02834-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20230515

Quant Time: May 29 08:51:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

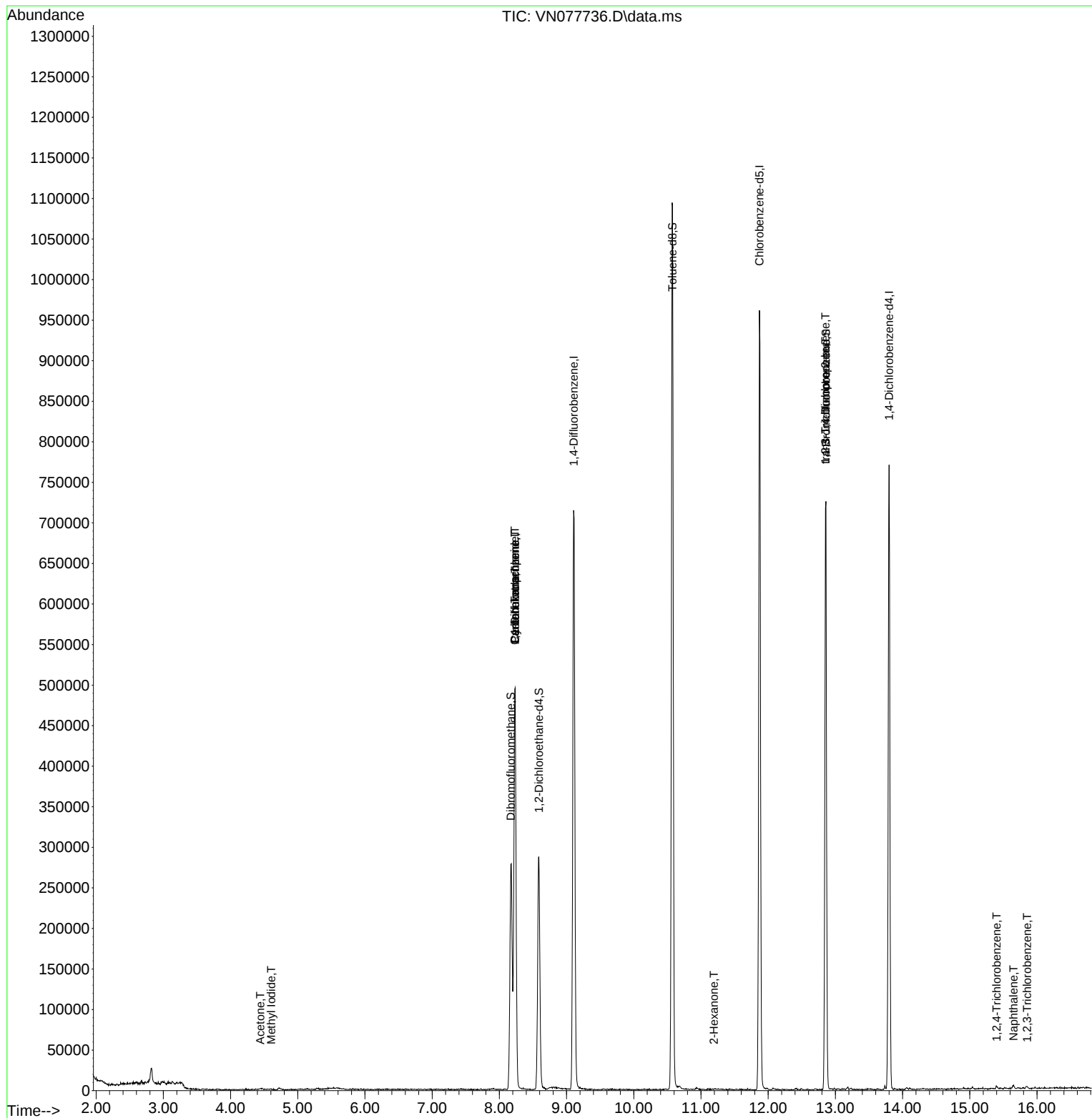
Internal Standards						
1) Pentafluorobenzene	8.235	168	357109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	647935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	561835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	208124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	241204	45.142	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.280%
35) Dibromofluoromethane	8.171	113	208579	49.367	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.740%
50) Toluene-d8	10.576	98	801880	49.308	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.859	95	270123	47.030	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1404	Below Cal	#	65
10) Methyl Iodide	4.606	142	1788	0.379	ug/l #	66
13) Acrolein	4.212	56	401	Below Cal	#	38
16) Acetone	4.442	43	2148	1.278	ug/l #	80
20) Methylene Chloride	5.283	84	655	Below Cal	#	65
31) Cyclohexane	8.235	56	8245	1.135	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	32028	5.183	ug/l #	47
38) Carbon Tetrachloride	8.230	117	39117	6.268	ug/l #	17
59) 2-Hexanone	11.194	43	912	0.231	ug/l #	57
76) 1,2,3-Trichloropropane	12.853	75	141607	27.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	141607	86.845	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	902	0.218	ug/l	94
95) Naphthalene	15.653	128	4003	0.281	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.853	180	1068	0.264	ug/l #	79

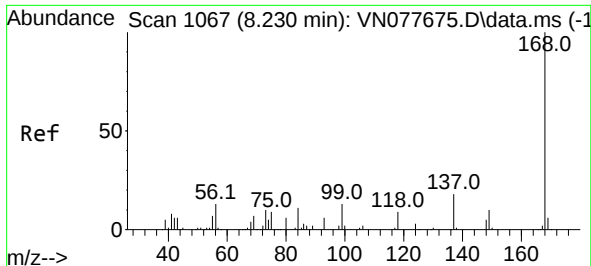
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

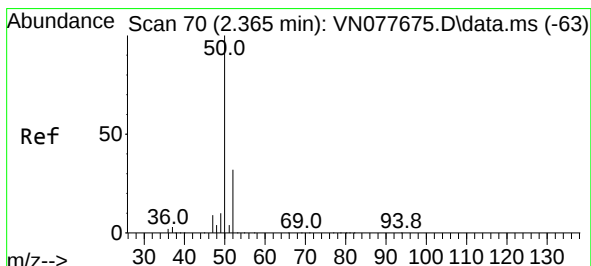
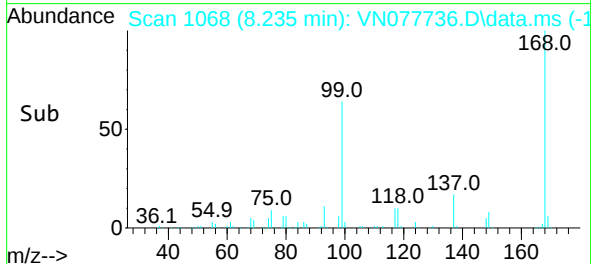
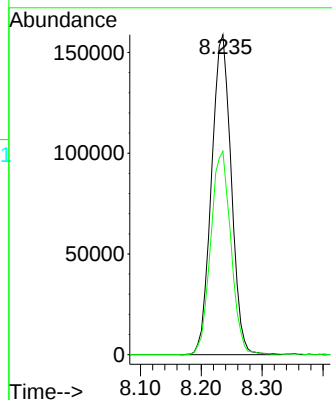
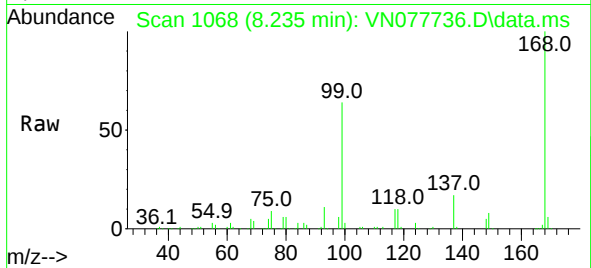




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

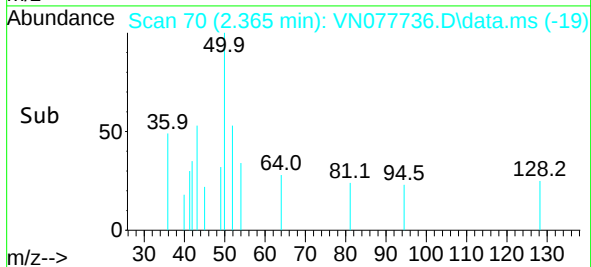
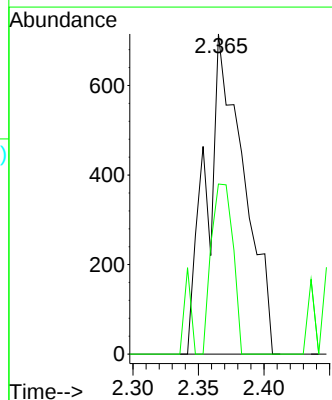
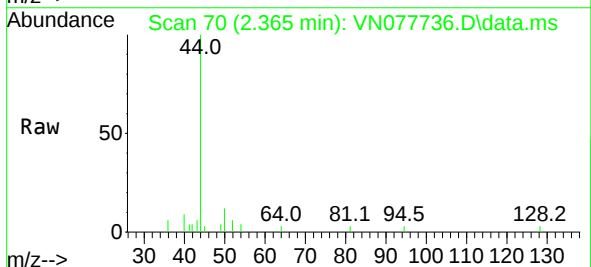
Instrument :
MSVOA_N
ClientSampleId :
TB01-20230515

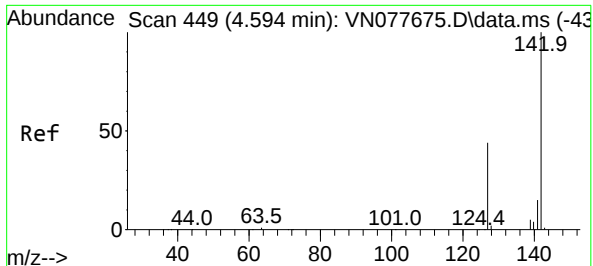
Tgt Ion:168 Resp: 357109
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Tgt Ion: 50 Resp: 1404
Ion Ratio Lower Upper
50 100
52 53.1 26.5 39.7#

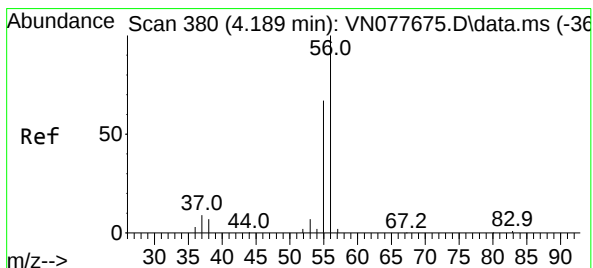
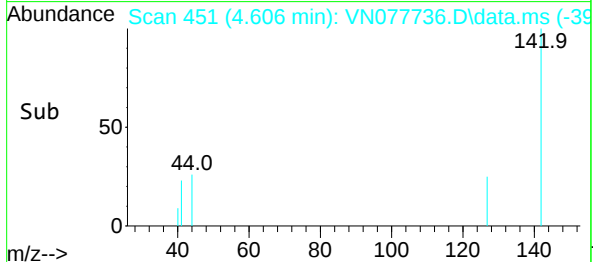
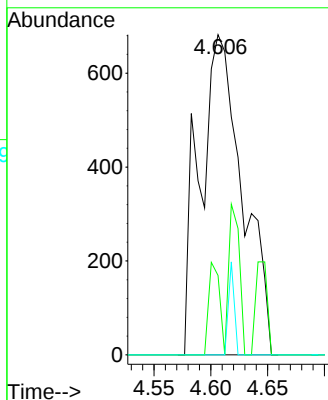
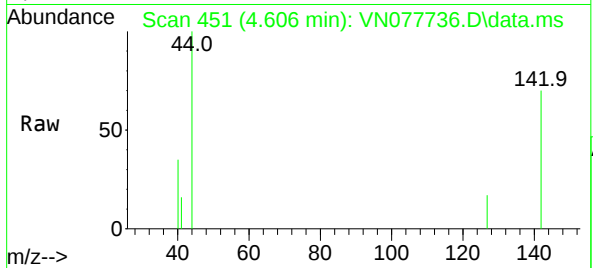




#10
Methyl Iodide
Concen: 0.379 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

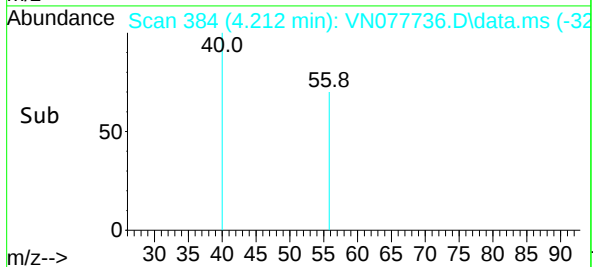
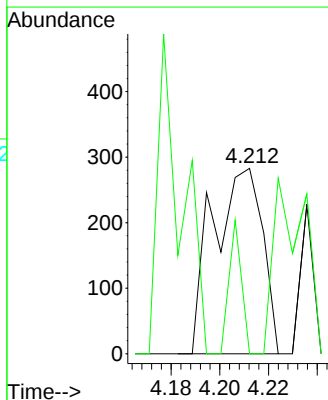
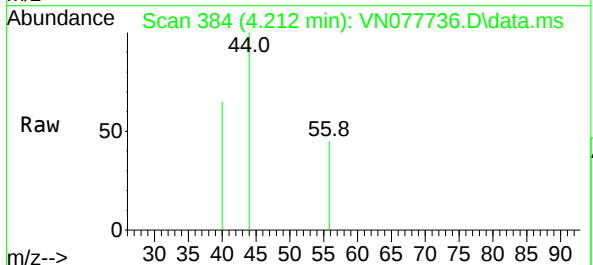
Instrument :
MSVOA_N
ClientSampleId :
TB01-20230515

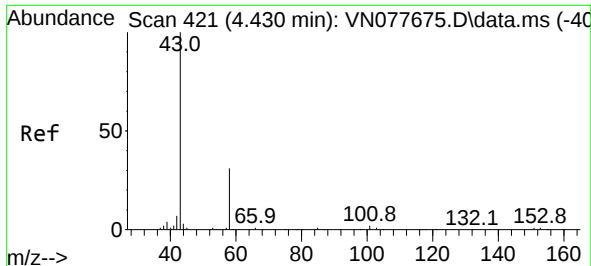
Tgt Ion:142 Resp: 1788
Ion Ratio Lower Upper
142 100
127 24.8 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Tgt Ion: 56 Resp: 401
Ion Ratio Lower Upper
56 100
55 18.0 54.5 81.7#

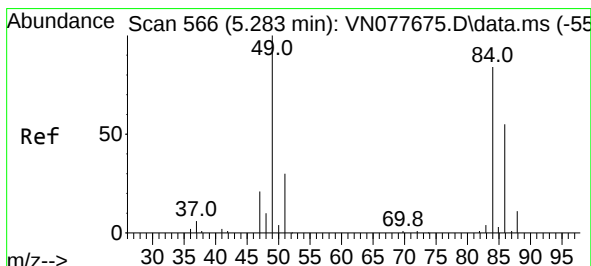
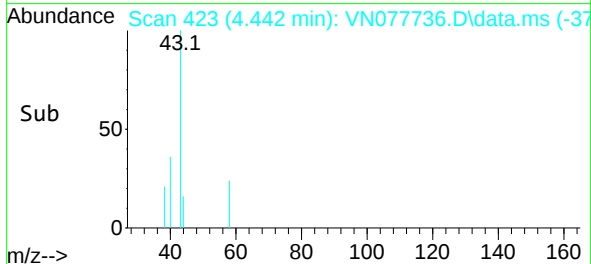
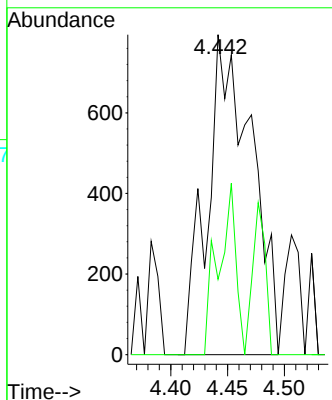
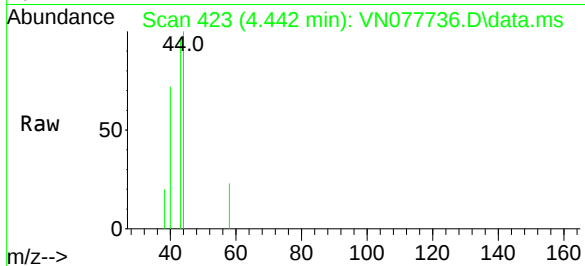




#16
Acetone
Concen: 1.278 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

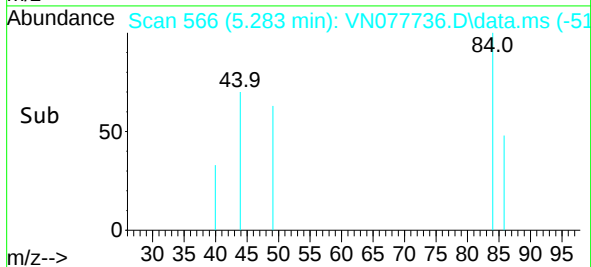
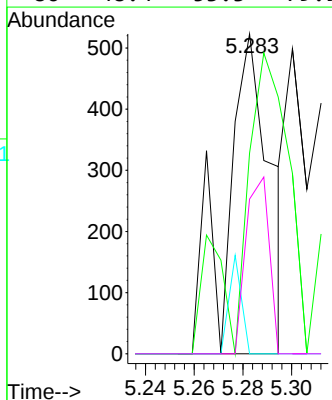
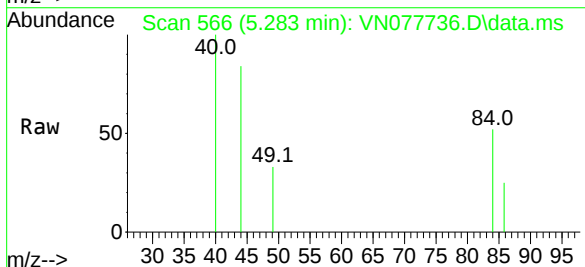
Instrument :
MSVOA_N
ClientSampleId :
TB01-20230515

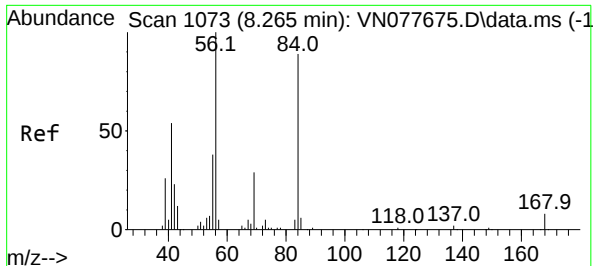
Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
58 23.6 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

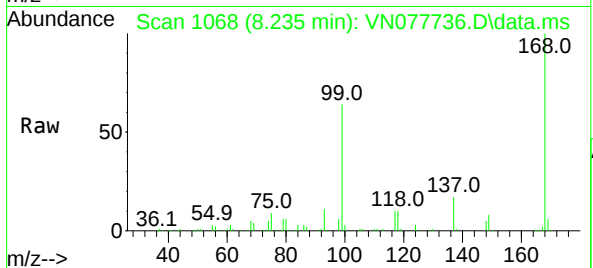
Tgt Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 62.7 79.7 119.5#
51 0.0 25.2 37.8#
86 48.4 53.3 79.9#



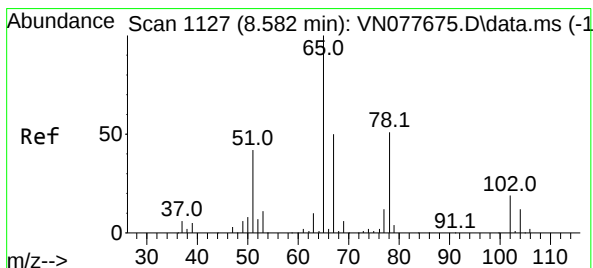
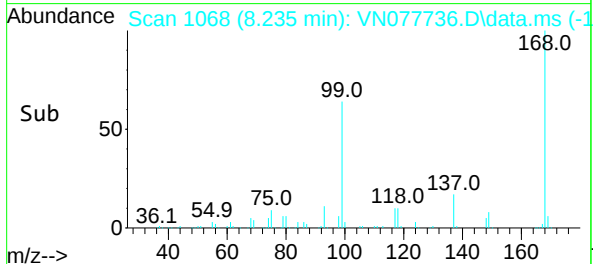
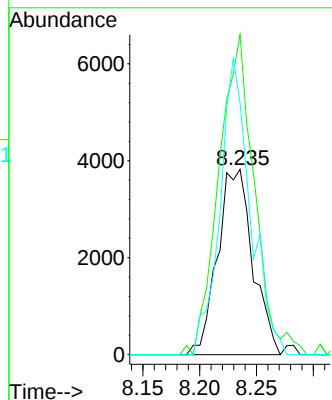


#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :
TB01-20230515

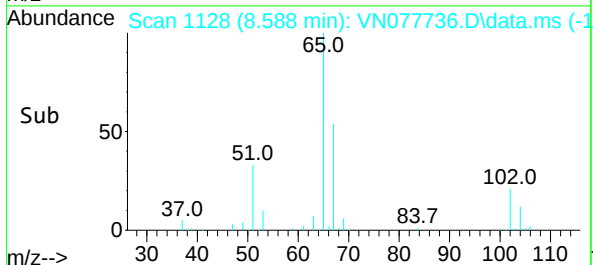
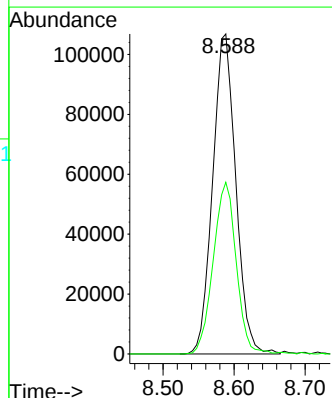
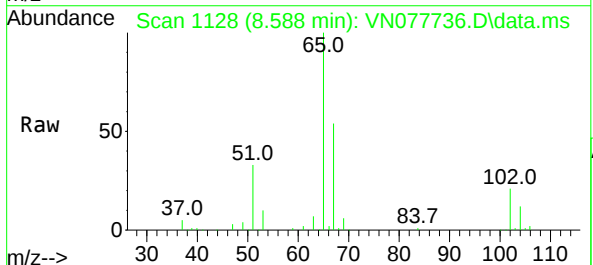


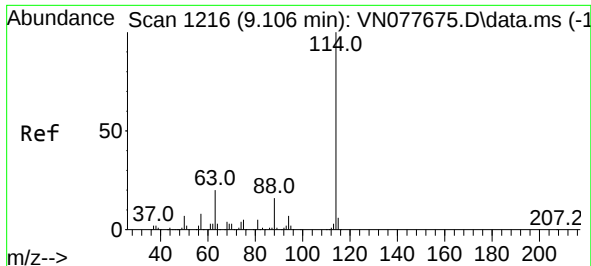
Tgt Ion: 56 Resp: 8245
Ion Ratio Lower Upper
56 100
69 172.7 26.8 40.2#
84 136.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.142 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Tgt Ion: 65 Resp: 241204
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6

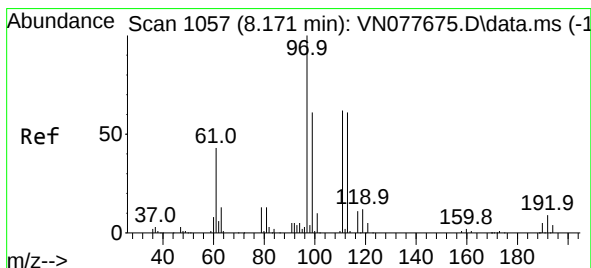
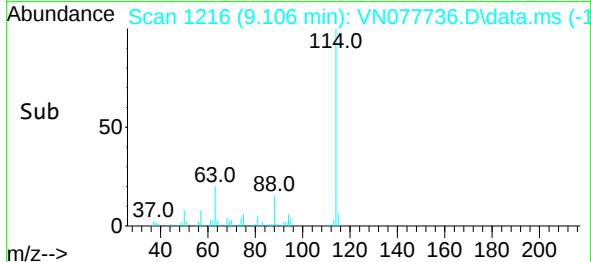
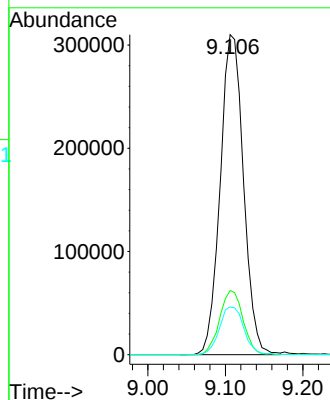
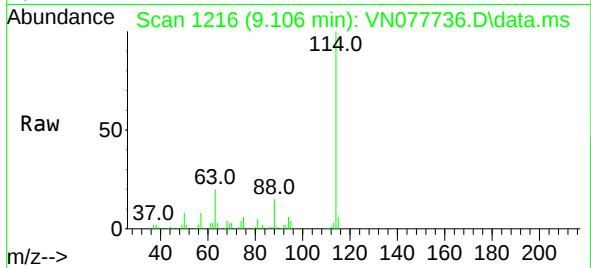




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

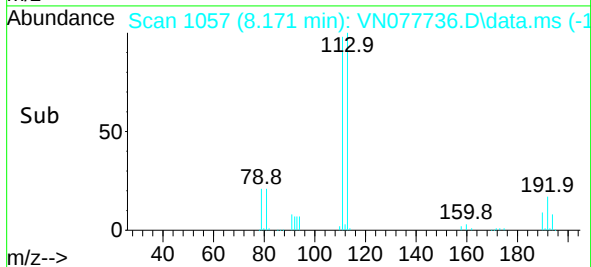
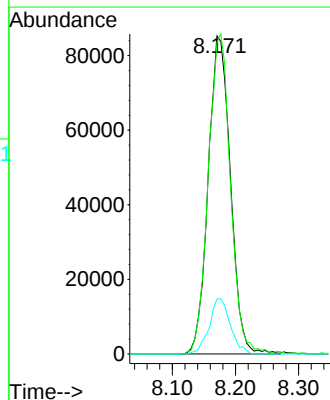
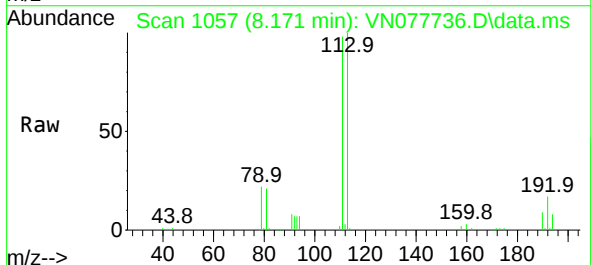
Instrument :
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ClientSampleId :
TB01-20230515

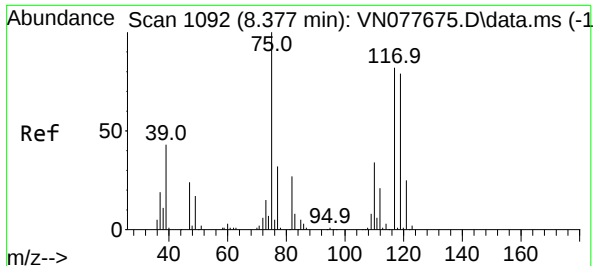
Tgt Ion:114 Resp: 647935
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.367 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Tgt Ion:113 Resp: 208579
Ion Ratio Lower Upper
113 100
111 100.1 82.6 123.8
192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.183 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077736.D

Acq: 18 May 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

TB01-20230515

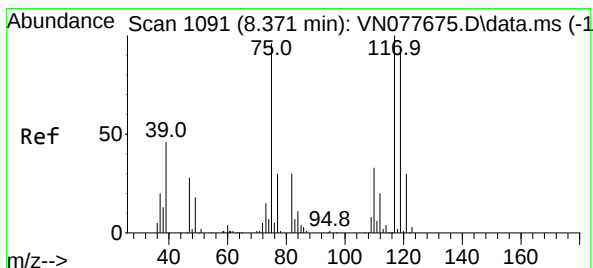
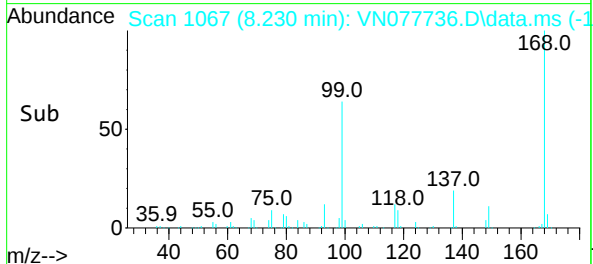
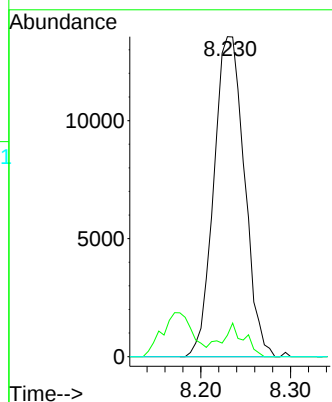
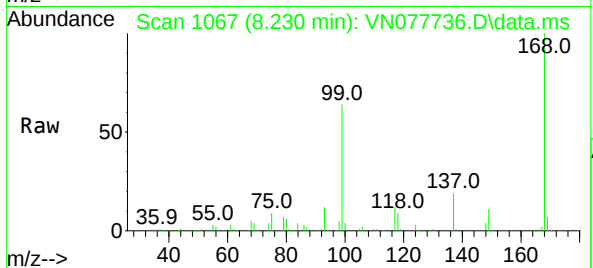
Tgt Ion: 75 Resp: 32028

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077736.D

Acq: 18 May 2023 15:08

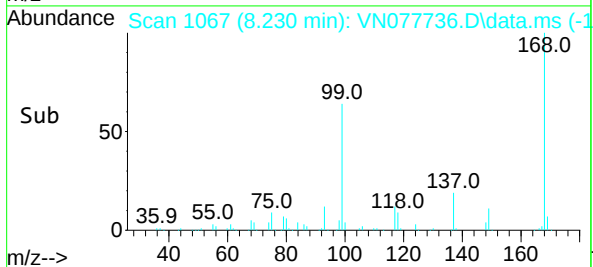
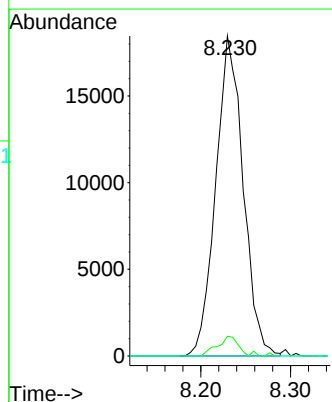
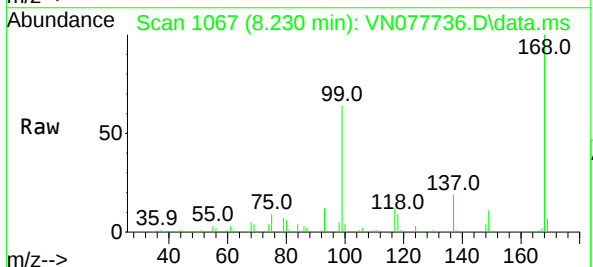
Tgt Ion: 117 Resp: 39117

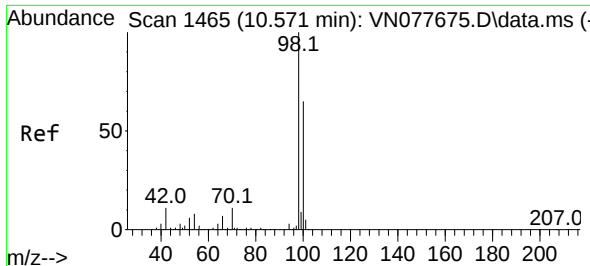
Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#

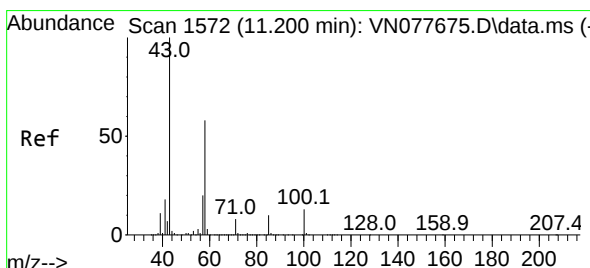
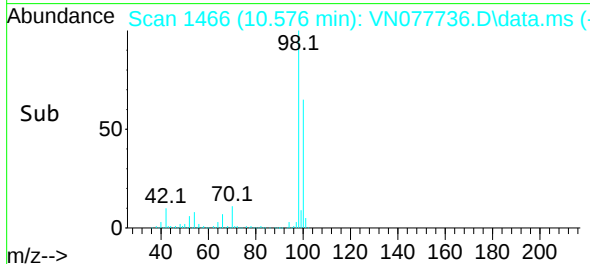
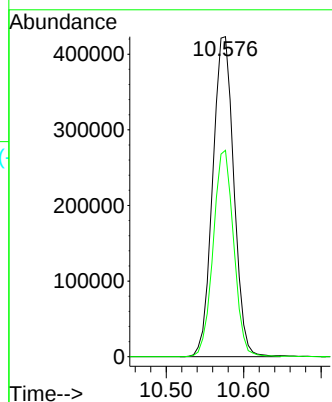
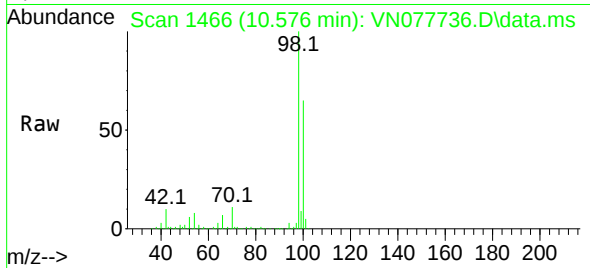




#50
Toluene-d8
Concen: 49.308 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

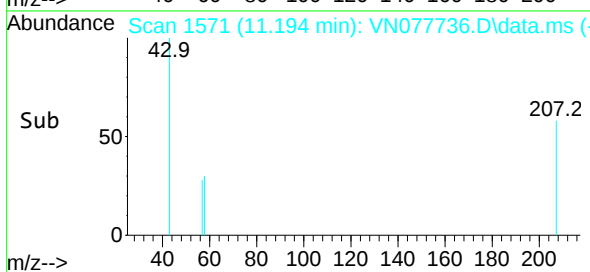
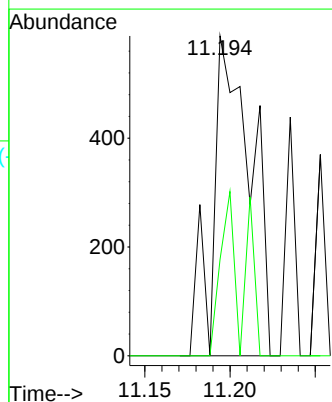
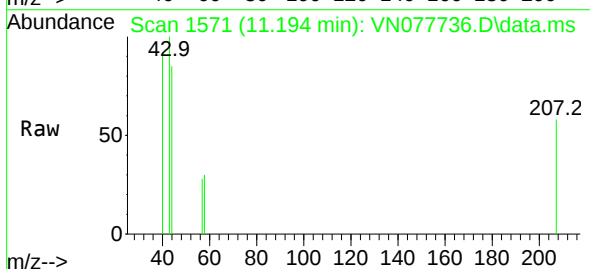
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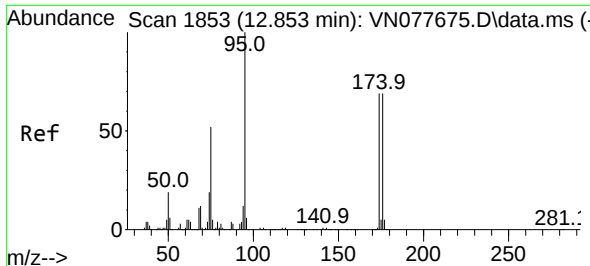
Tgt Ion: 98 Resp: 801880
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
58 29.8 31.7 95.1#

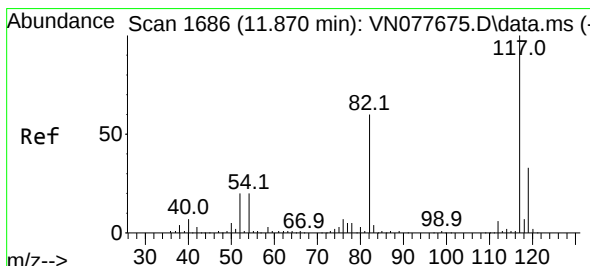
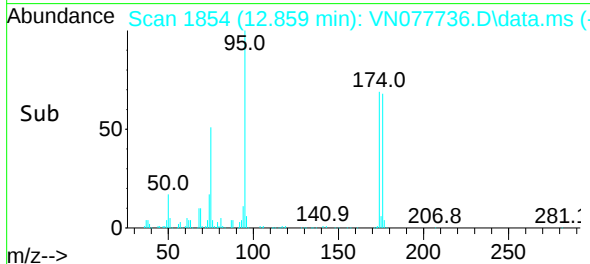
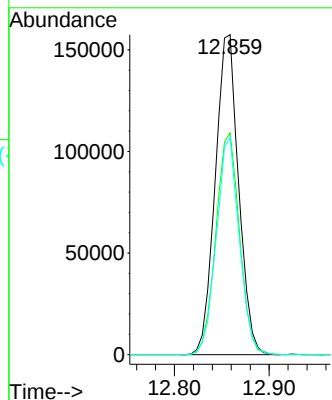
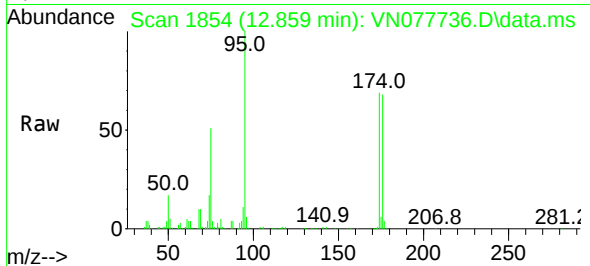




#62
4-Bromofluorobenzene
Concen: 47.030 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

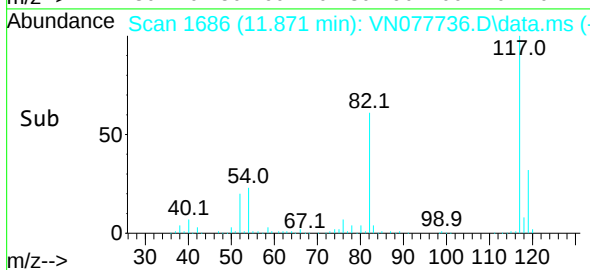
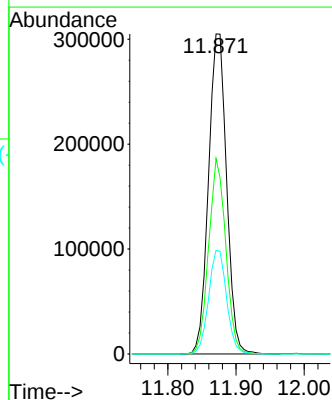
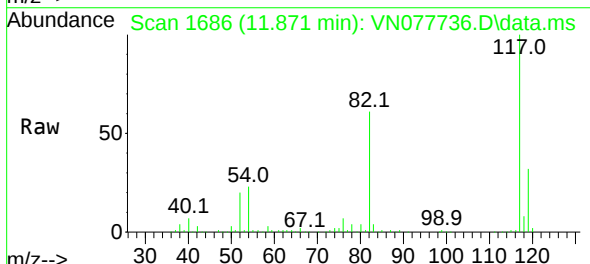
Instrument :
MSVOA_N
ClientSampleId :
TB01-20230515

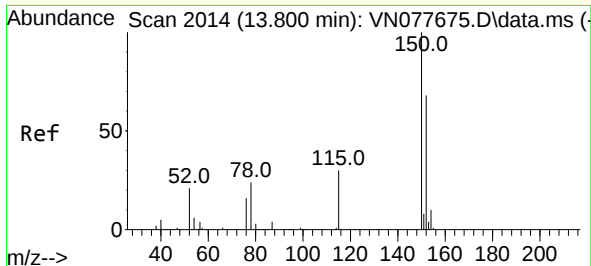
Tgt Ion: 95 Resp: 270123
Ion Ratio Lower Upper
95 100
174 69.8 0.0 143.8
176 66.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077736.D
Acq: 18 May 2023 15:08

Tgt Ion: 117 Resp: 561835
Ion Ratio Lower Upper
117 100
82 61.1 44.0 66.0
119 32.4 25.6 38.4

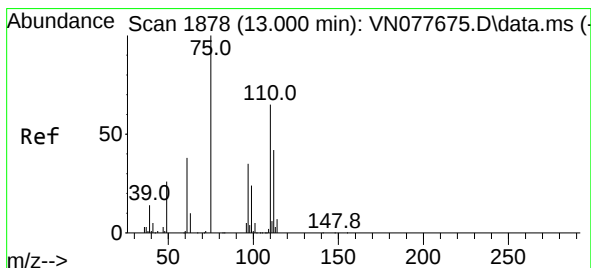
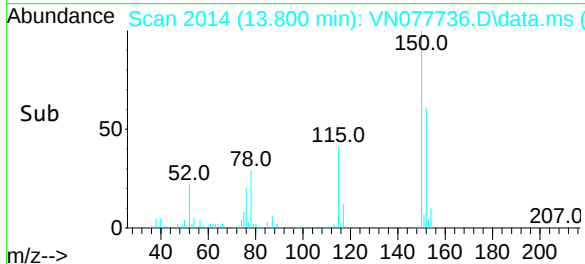
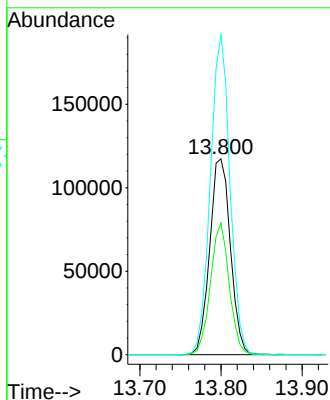
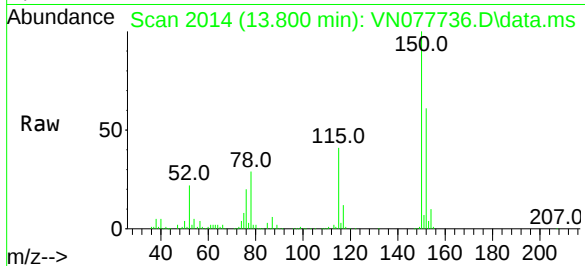




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077736.D
 Acq: 18 May 2023 15:08

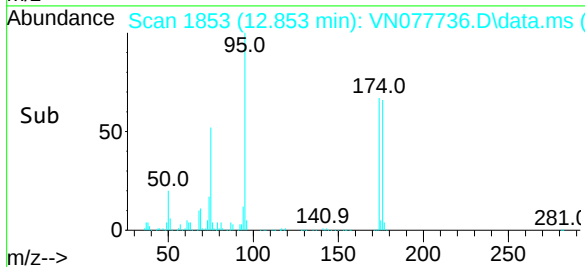
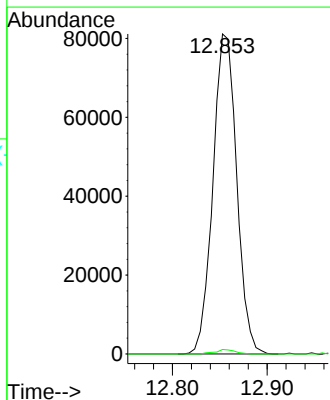
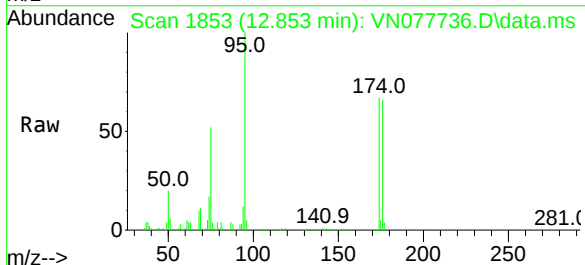
Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20230515

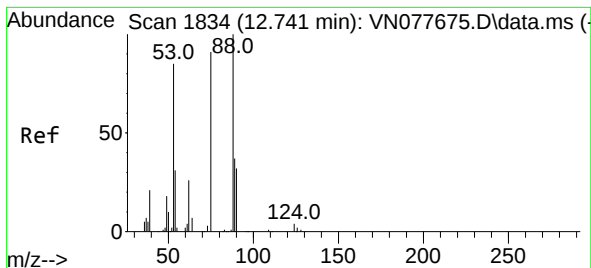
Tgt Ion:152 Resp: 208124
 Ion Ratio Lower Upper
 152 100
 115 60.9 32.3 96.8
 150 154.5 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 27.169 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN077736.D
 Acq: 18 May 2023 15:08

Tgt Ion: 75 Resp: 141607
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#

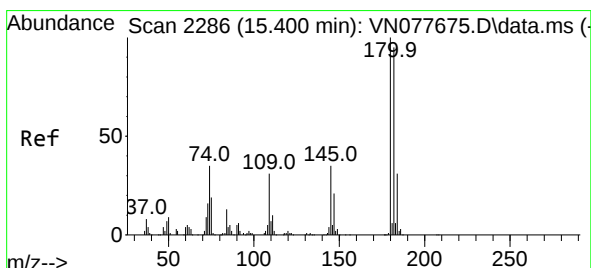
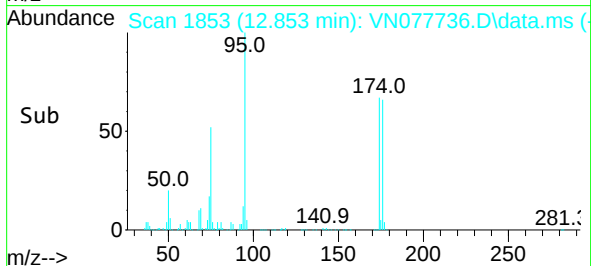
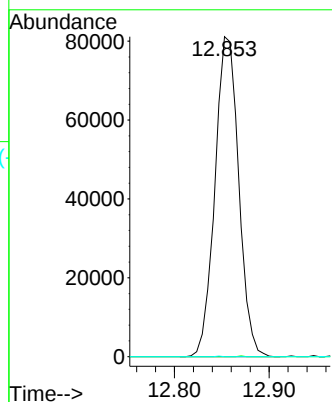
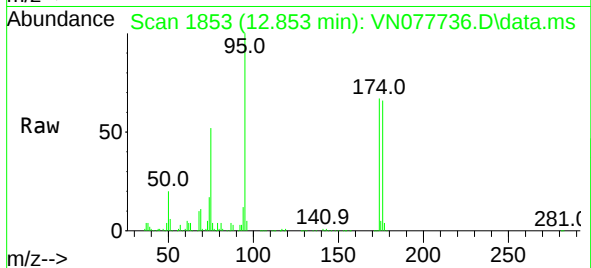




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.845 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN077736.D
 Acq: 18 May 2023 15:08

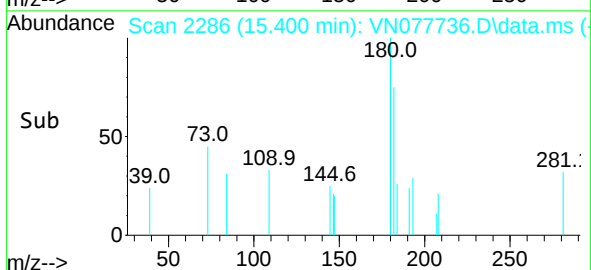
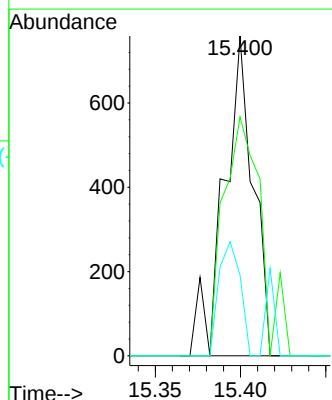
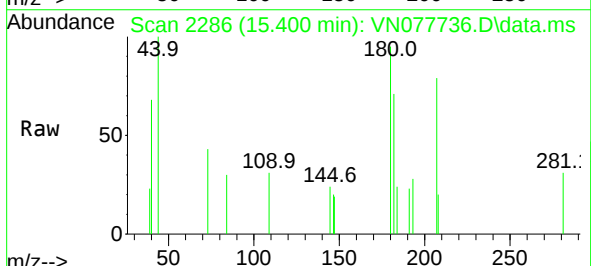
Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20230515

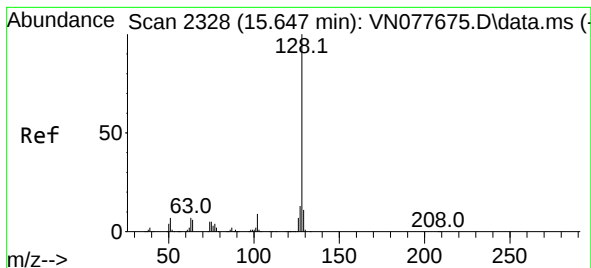
Tgt Ion: 75 Resp: 141607
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.218 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: VN077736.D
 Acq: 18 May 2023 15:08

Tgt Ion:180 Resp: 902
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.1 138.2
 145 26.4 16.6 49.8





#95

Naphthalene

Concen: 0.281 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN077736.D

Acq: 18 May 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

TB01-20230515

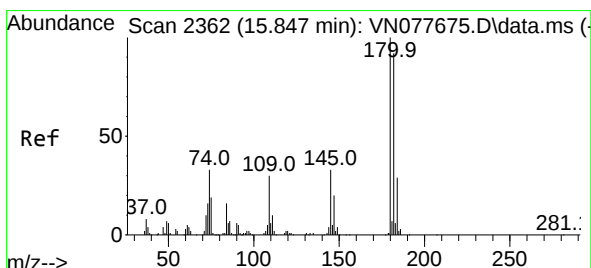
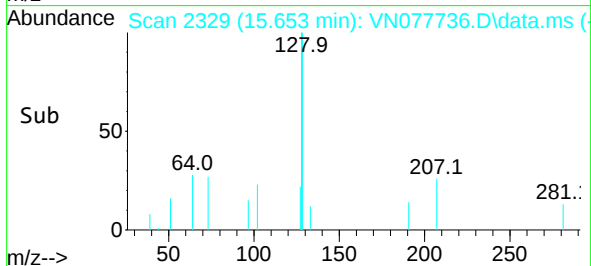
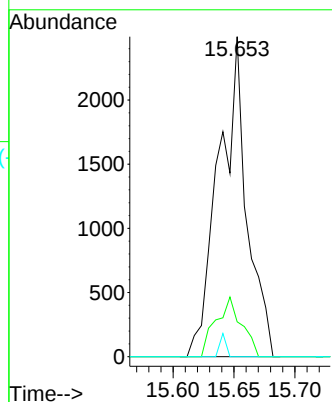
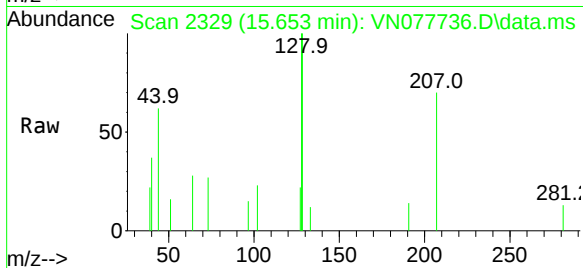
Tgt Ion:128 Resp: 4003

Ion Ratio Lower Upper

128 100

127 17.1 10.0 15.0#

129 1.6 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.264 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.006 min

Lab File: VN077736.D

Acq: 18 May 2023 15:08

Tgt Ion:180 Resp: 1068

Ion Ratio Lower Upper

180 100

182 102.9 46.2 138.6

145 7.2 17.5 52.6#

