

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077853.D
 Acq On : 24 May 2023 15:31
 Operator : JC\MD
 Sample : 02898-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB-01-20230522

Quant Time: May 25 01:42:40 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)

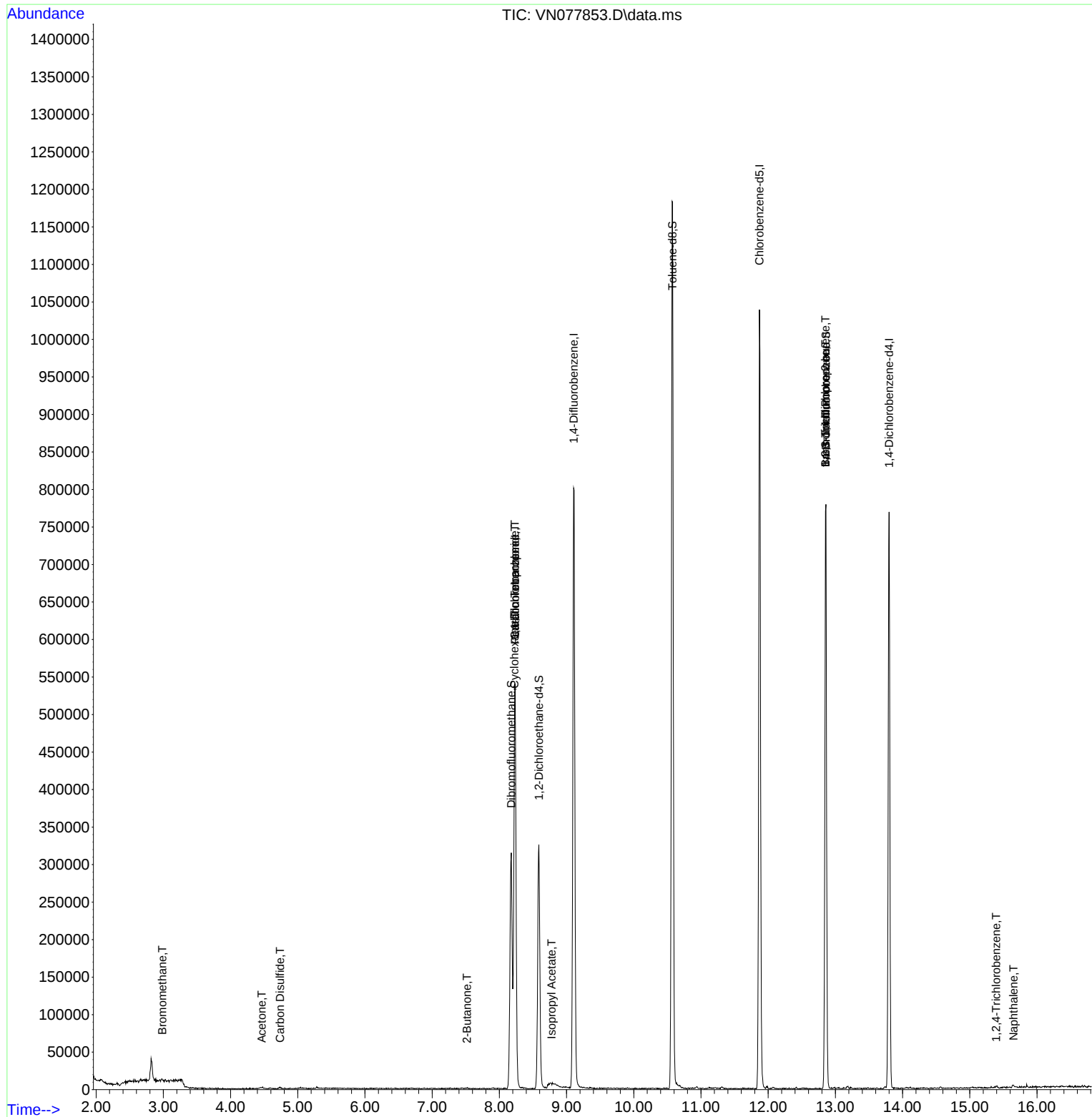
Internal Standards						
1) Pentafluorobenzene	8.235	168	396748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	712927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	627457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	205823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	268136	45.168	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.340%
35) Dibromofluoromethane	8.177	113	229310	49.325	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.660%
50) Toluene-d8	10.576	98	877820	49.057	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.859	95	281857	44.599	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1303	Below Cal		94
5) Bromomethane	2.983	94	2191	0.520 ug/l #		79
13) Acrolein	4.200	56	266	Below Cal #		16
16) Acetone	4.465	43	3849	2.061 ug/l		97
17) Carbon Disulfide	4.736	76	2254	0.200 ug/l #		75
20) Methylene Chloride	5.300	84	516	Below Cal #		54
25) 2-Butanone	7.518	43	860	0.294 ug/l #		37
31) Cyclohexane	8.224	56	10359	1.284 ug/l #		38
36) 1,1-Dichloropropene	8.230	75	32600	4.794 ug/l #		49
38) Carbon Tetrachloride	8.230	117	43665	6.359 ug/l #		15
43) Isopropyl Acetate	8.777	43	8824	0.891 ug/l #		49
71) Bromoform	12.853	173	1633	0.522 ug/l #		1
76) 1,2,3-Trichloropropane	12.853	75	153692	29.817 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	153692	95.310 ug/l #		15
93) 1,2,4-Trichlorobenzene	15.394	180	1010	0.247 ug/l		69
95) Naphthalene	15.653	128	3263	0.232 ug/l #		87

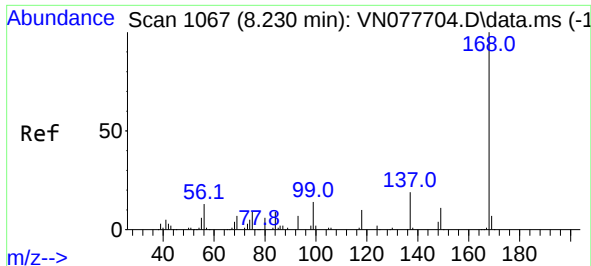
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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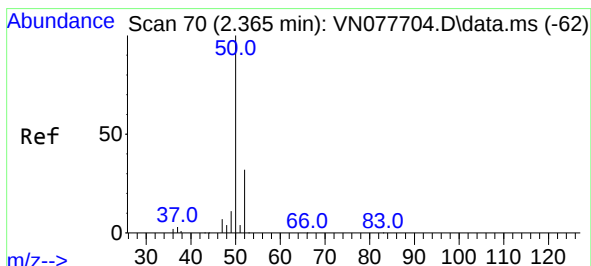
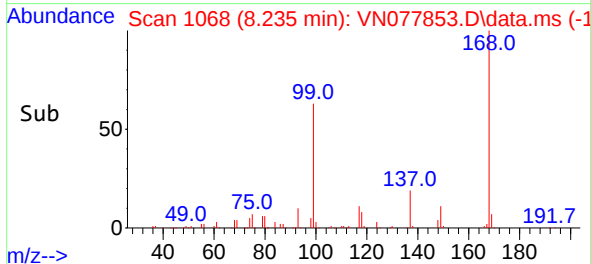
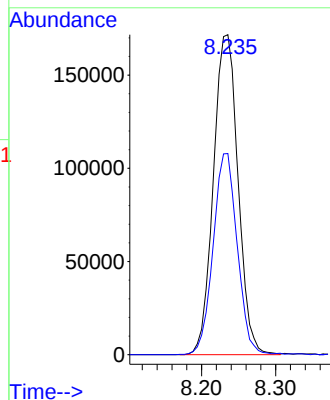
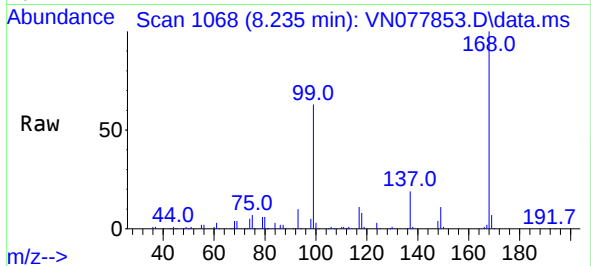




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

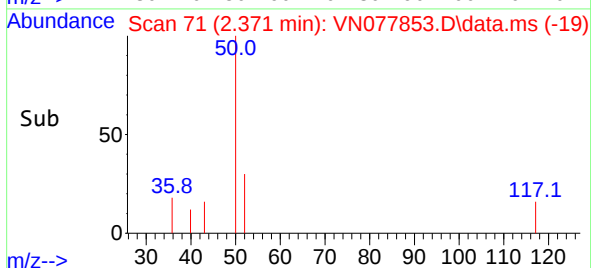
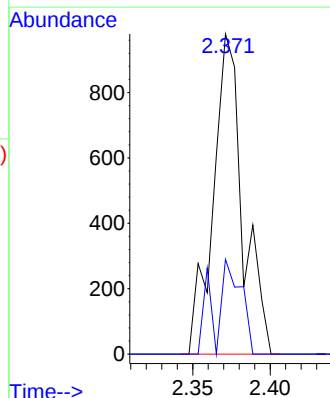
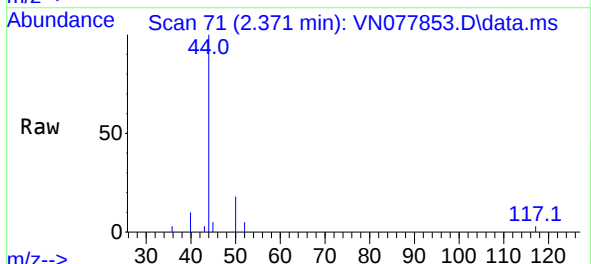
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

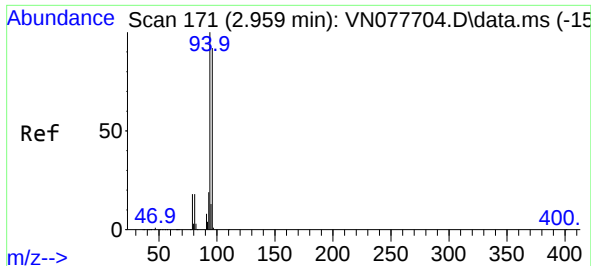
Tgt Ion:168 Resp: 396748
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 50 Resp: 1303
Ion Ratio Lower Upper
50 100
52 29.6 26.5 39.7

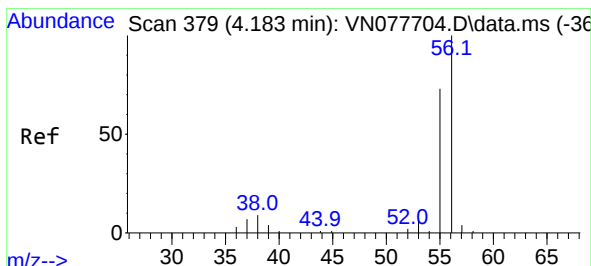
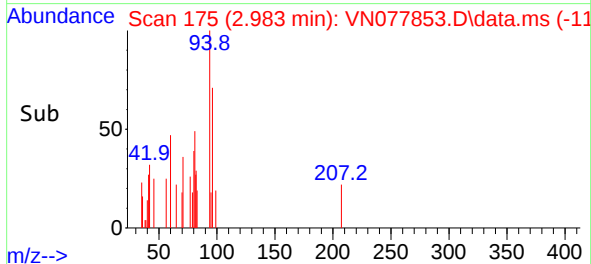
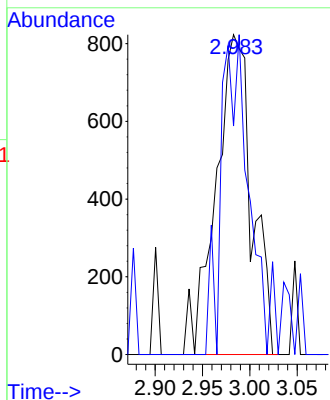
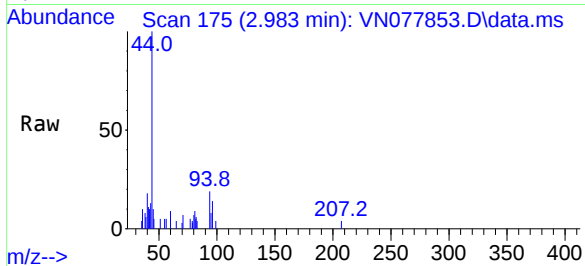




#5
Bromomethane
Concen: 0.520 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

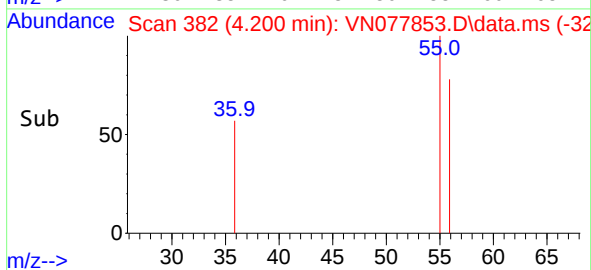
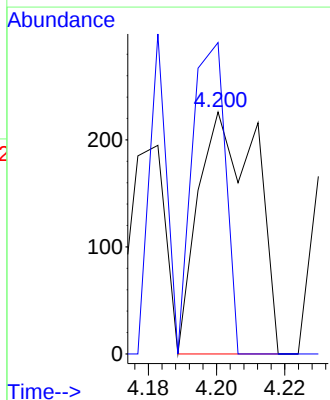
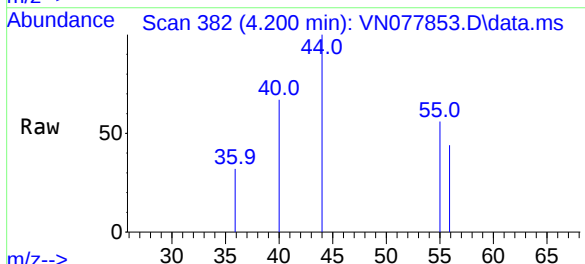
Instrument :
MSVOA_N
ClientSampleId :
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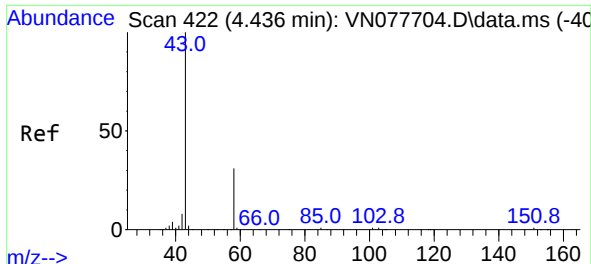
Tgt Ion: 94 Resp: 2191
Ion Ratio Lower Upper
94 100
96 71.4 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

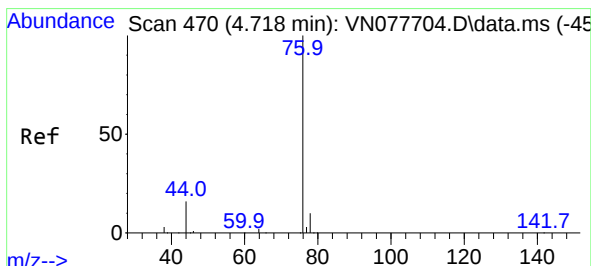
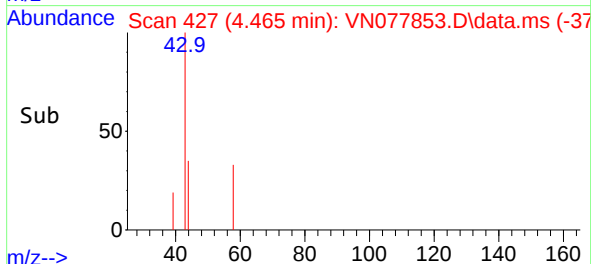
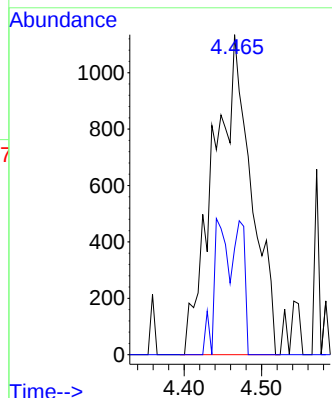
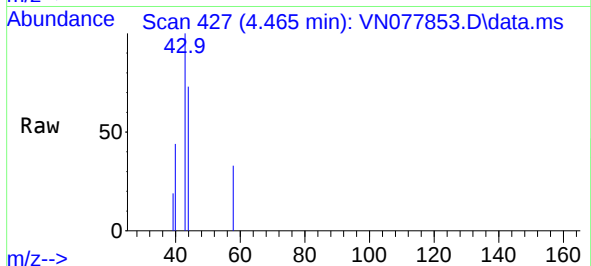




#16
Acetone
Concen: 2.061 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

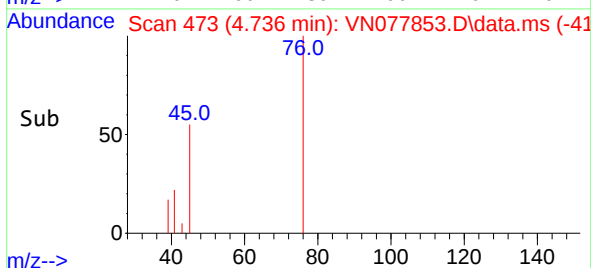
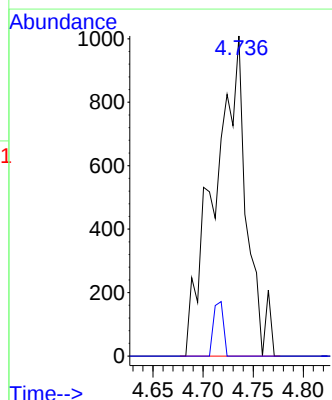
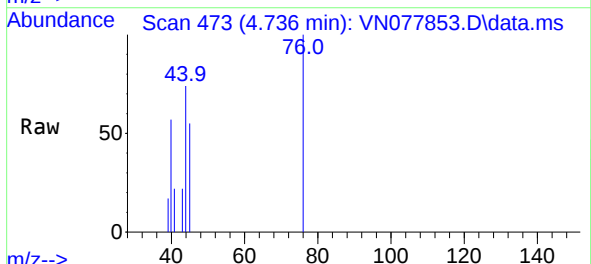
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

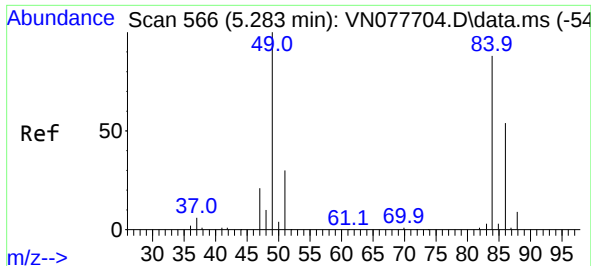
Tgt Ion: 43 Resp: 3849
Ion Ratio Lower Upper
43 100
58 33.2 28.0 42.0



#17
Carbon Disulfide
Concen: 0.200 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.024 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 76 Resp: 2254
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

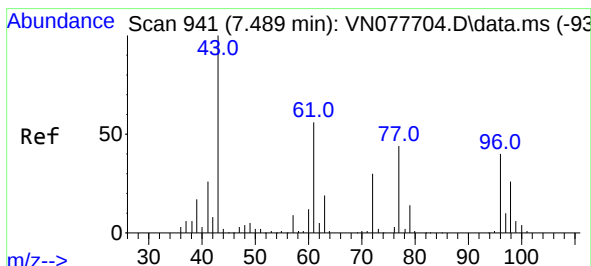
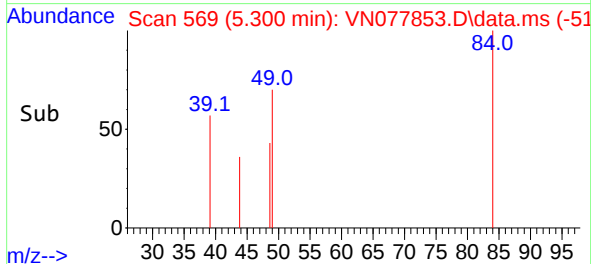
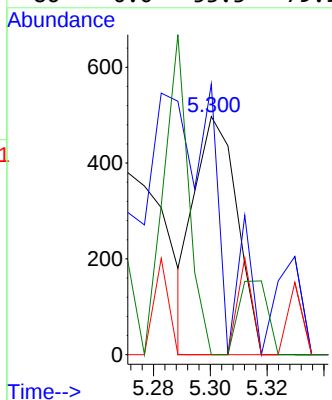
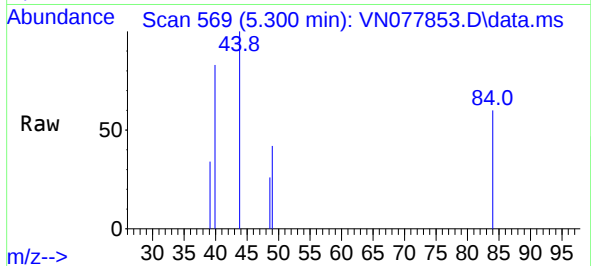




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 516
Delta R.T. 0.017 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

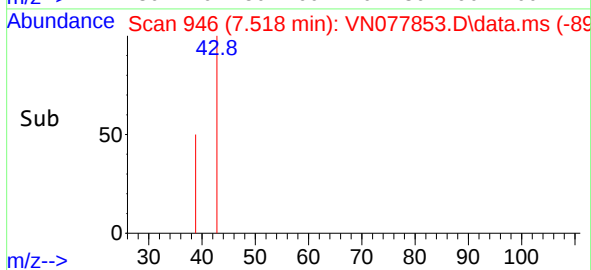
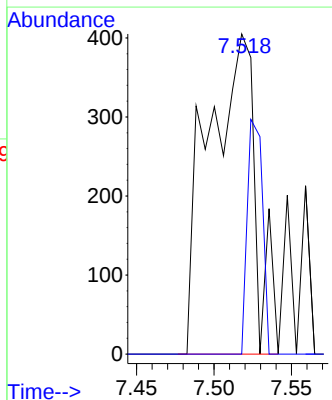
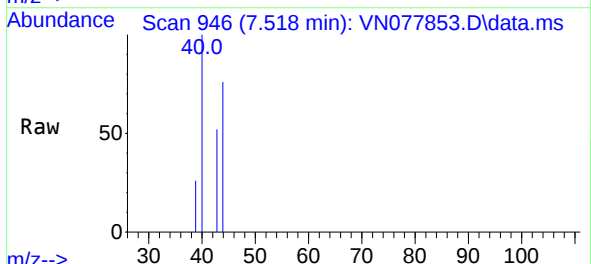
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

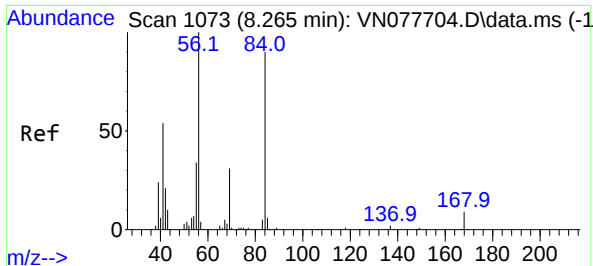
Tgt Ion: 84	Resp: 516
Ion Ratio	Lower Upper
84	100
49	82.7 79.7 119.5
51	0.0 25.2 37.8#
86	0.0 53.3 79.9#



#25
2-Butanone
Concen: 0.294 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.030 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 43	Resp: 860
Ion Ratio	Lower Upper
43	100
72	0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.284 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN077853.D

Acq: 24 May 2023 15:31

Instrument :

MSVOA_N

ClientSampleId :

RB-01-20230522

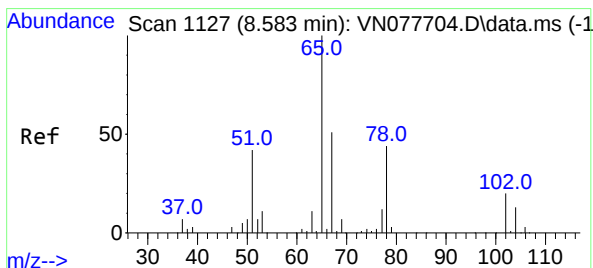
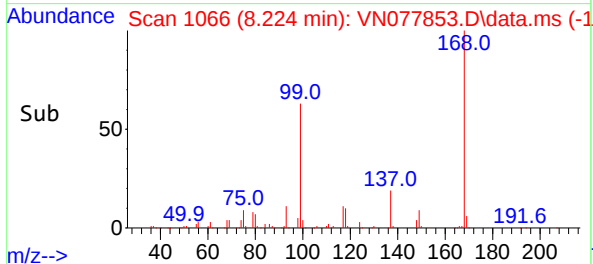
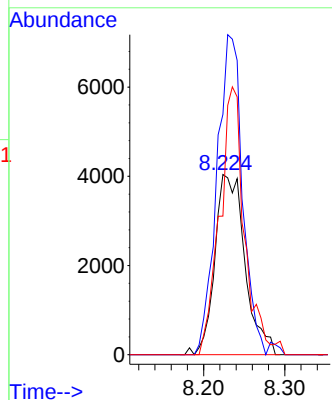
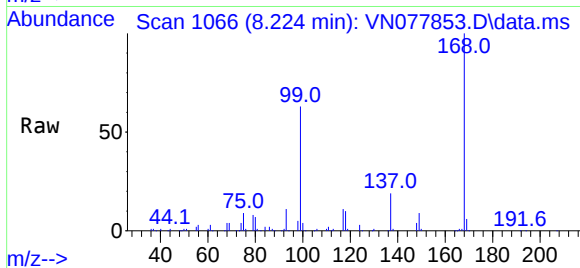
Tgt Ion: 56 Resp: 10359

Ion Ratio Lower Upper

56 100

69 133.4 26.8 40.2#

84 76.9 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 45.168 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077853.D

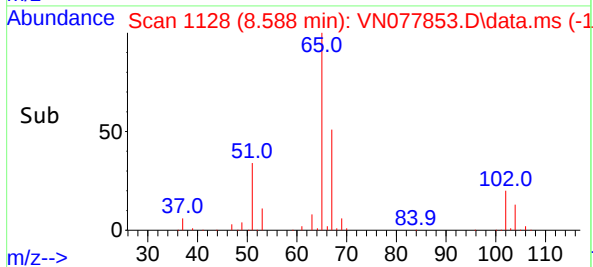
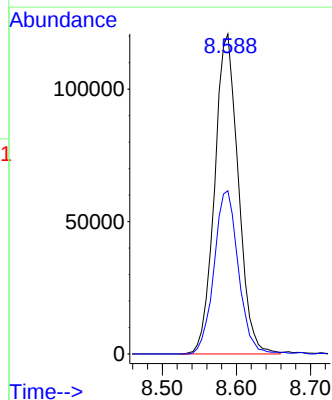
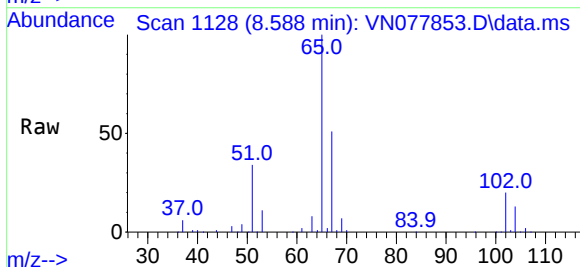
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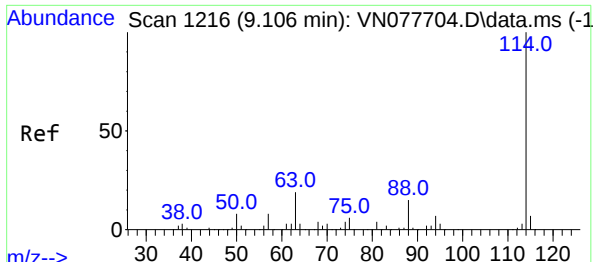
Tgt Ion: 65 Resp: 268136

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6

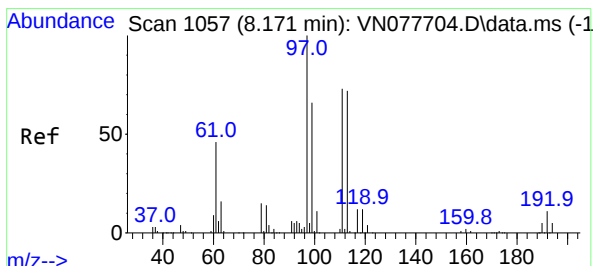
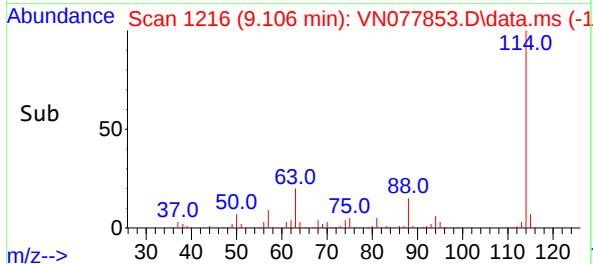
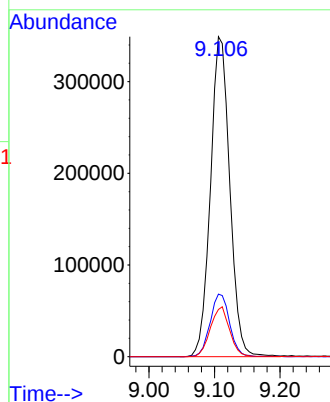
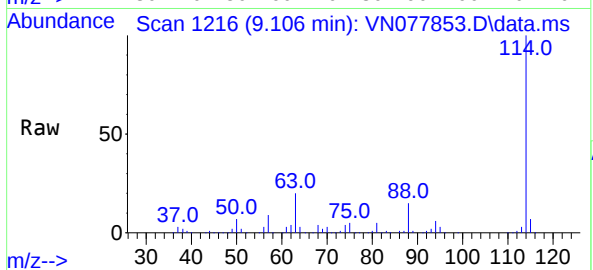




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

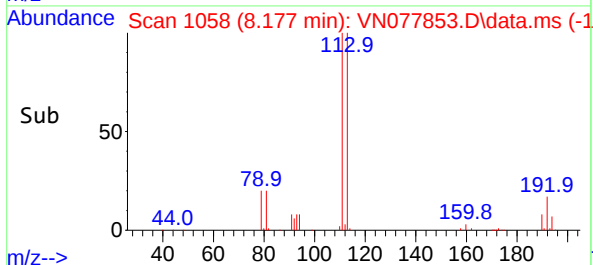
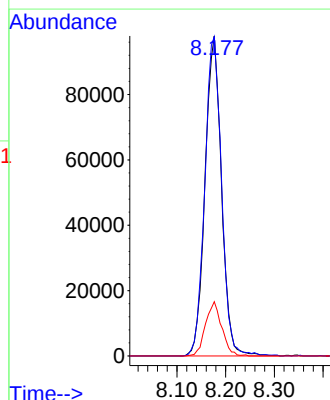
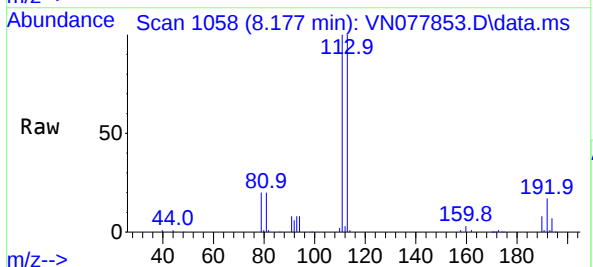
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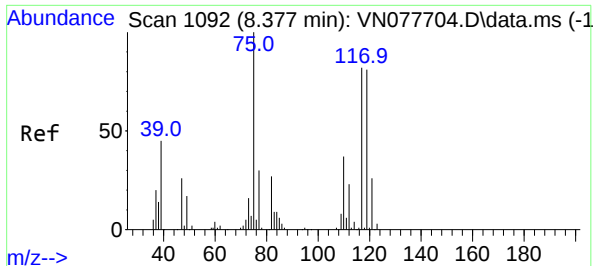
Tgt Ion:114 Resp: 712927
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.325 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion:113 Resp: 229310
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 16.8 12.7 19.1

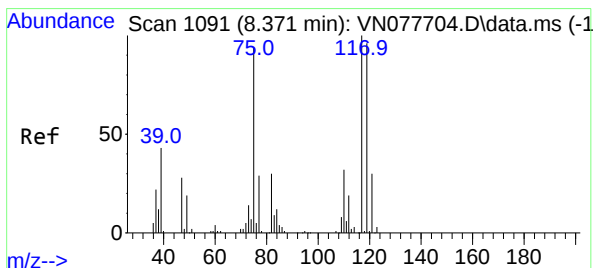
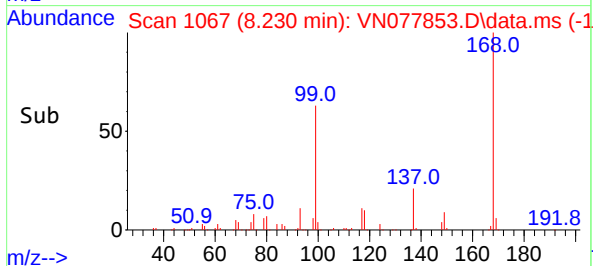
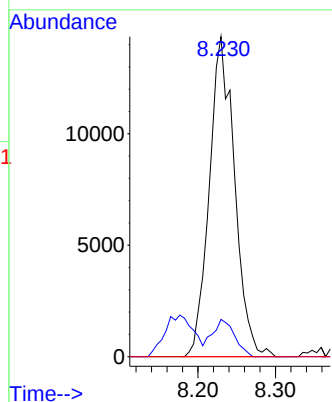
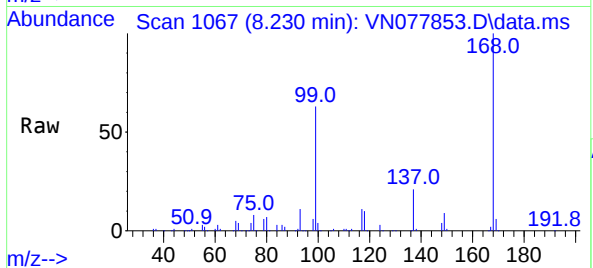




#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

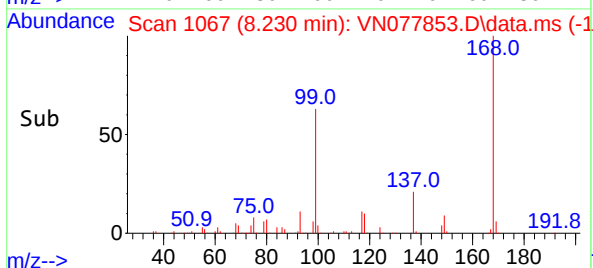
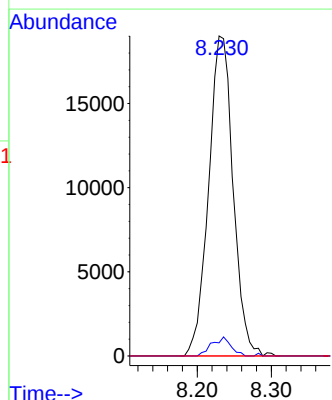
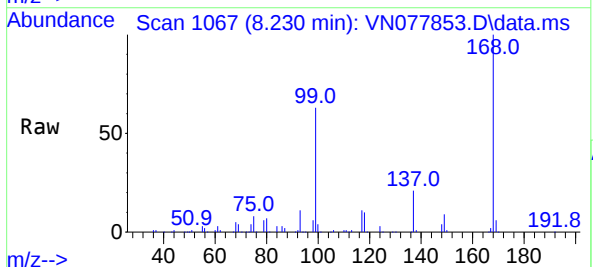
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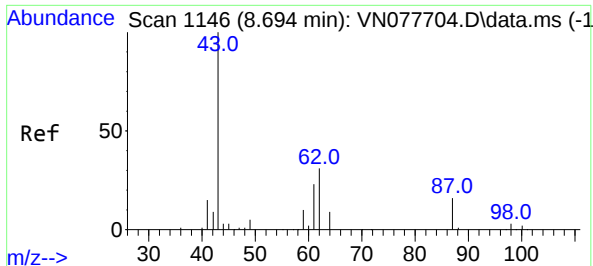
Tgt Ion: 75 Resp: 32600
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.359 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 117 Resp: 43665
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#

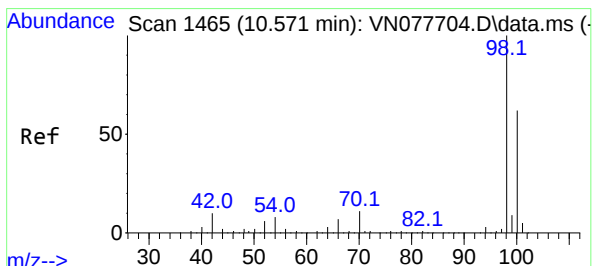
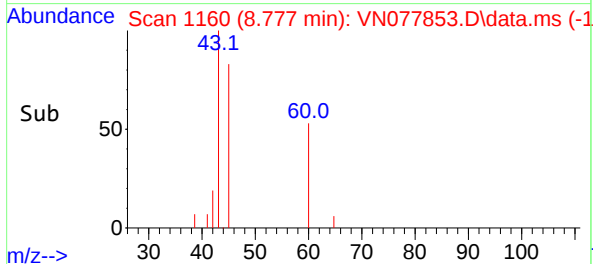
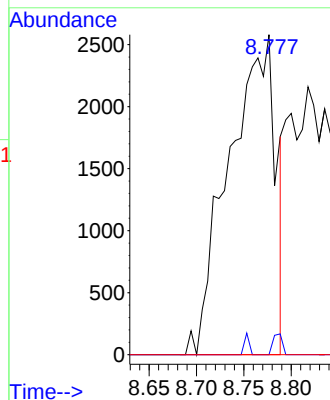
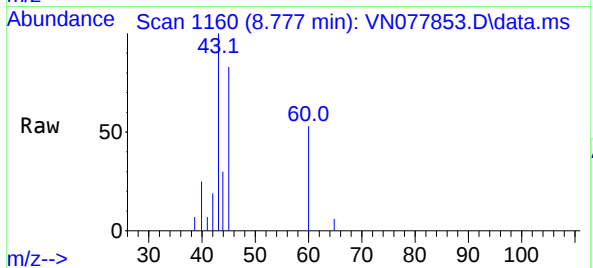




#43
Isopropyl Acetate
Concen: 0.891 ug/l
RT: 8.777 min Scan# 1146
Delta R.T. 0.083 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

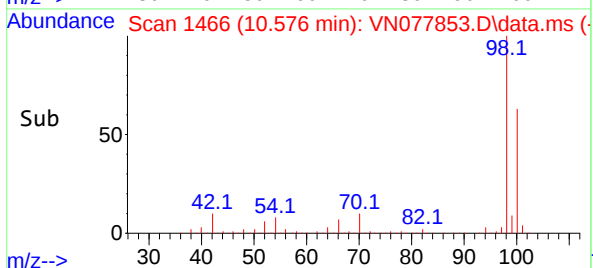
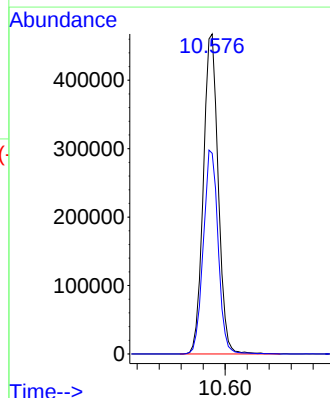
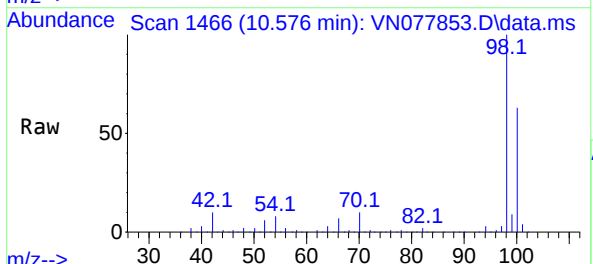
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

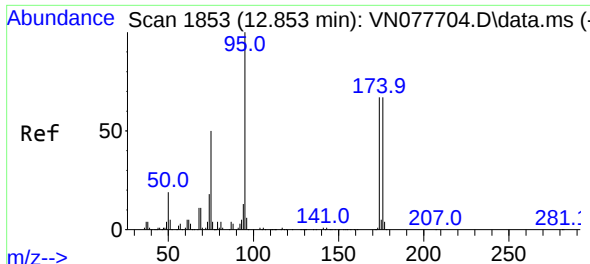
Tgt Ion: 43 Resp: 8824
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.057 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 98 Resp: 877820
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0

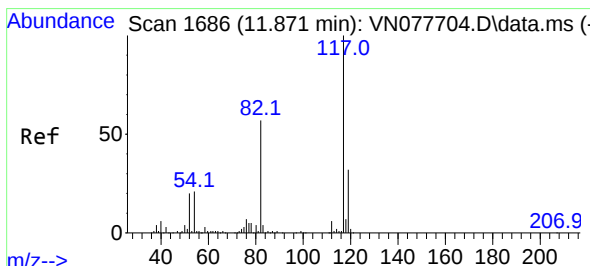
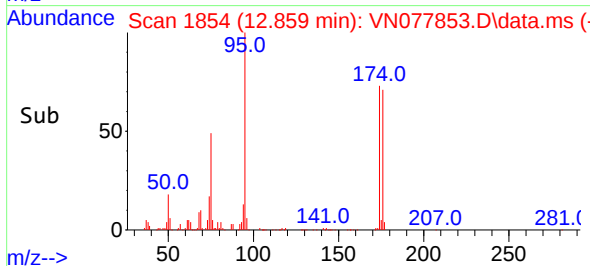
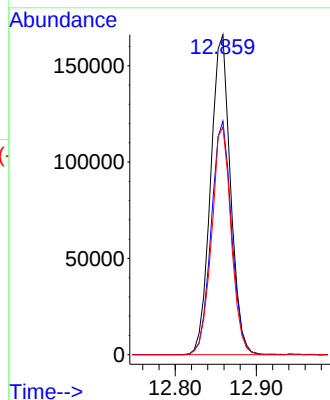
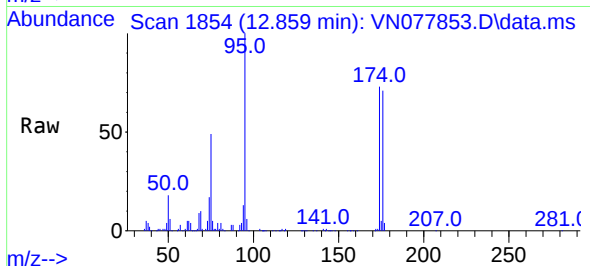




#62
4-Bromofluorobenzene
Concen: 44.599 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

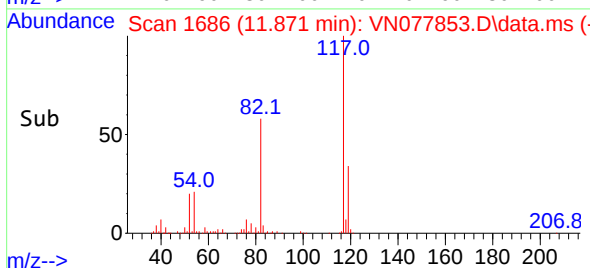
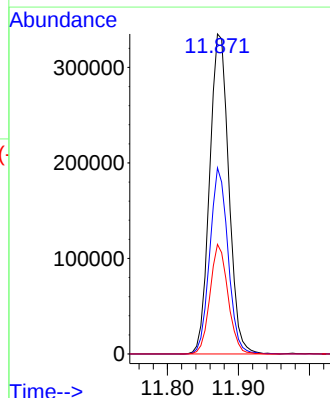
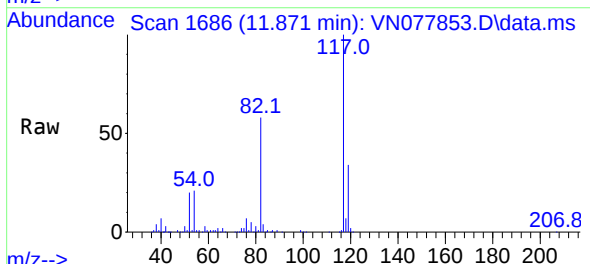
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

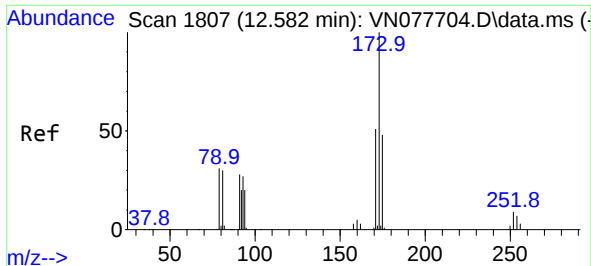
Tgt Ion: 95 Resp: 281857
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 117 Resp: 627457
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 34.2 25.6 38.4

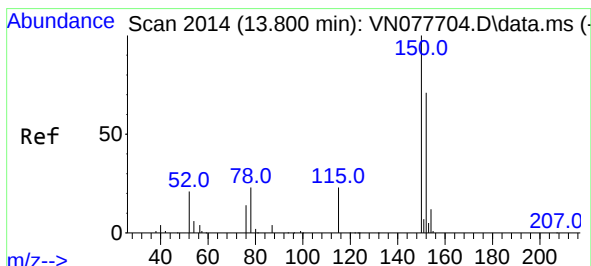
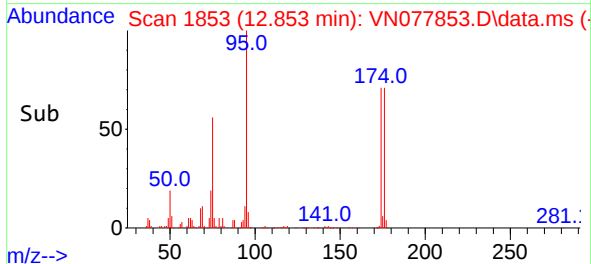
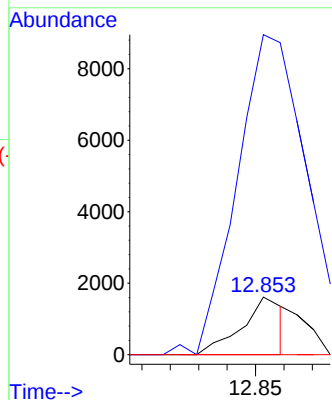
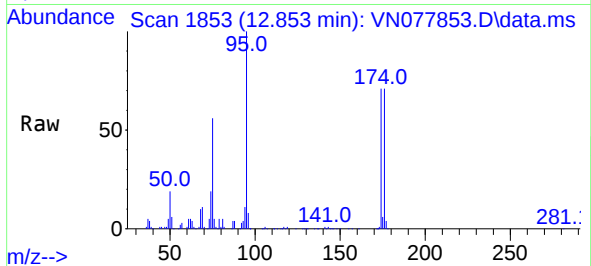




#71
Bromoform
Concen: 0.522 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

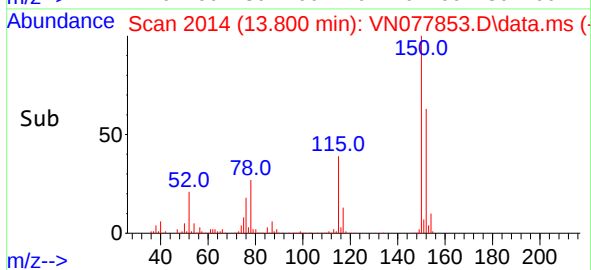
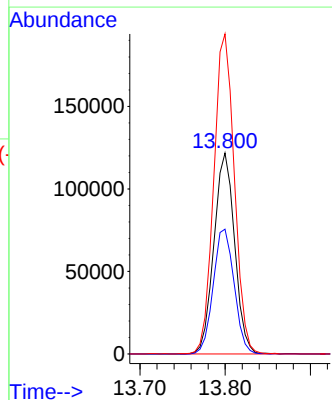
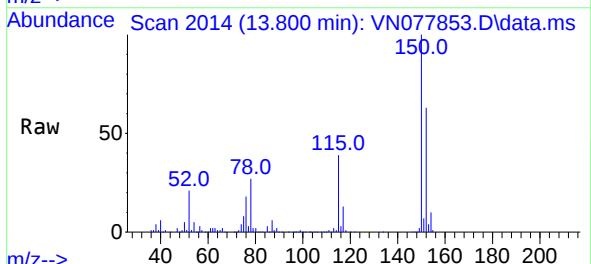
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

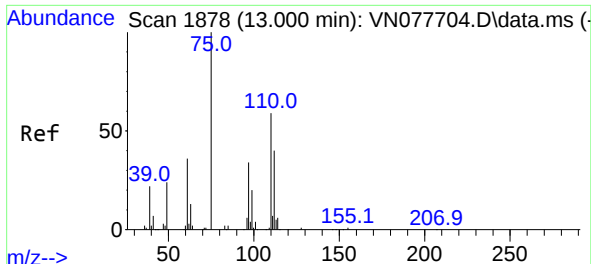
Tgt Ion:173 Resp: 1633
Ion Ratio Lower Upper
173 100
175 648.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion:152 Resp: 205823
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 158.2 0.0 355.8

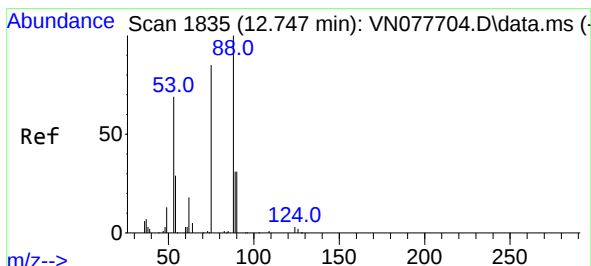
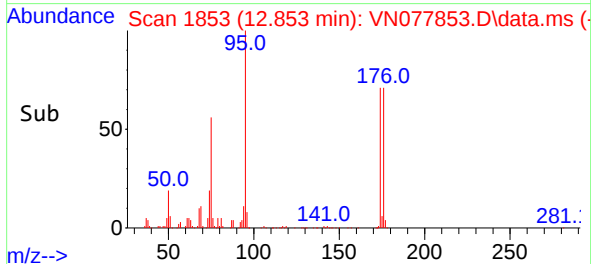
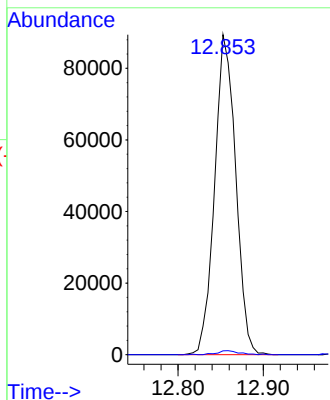
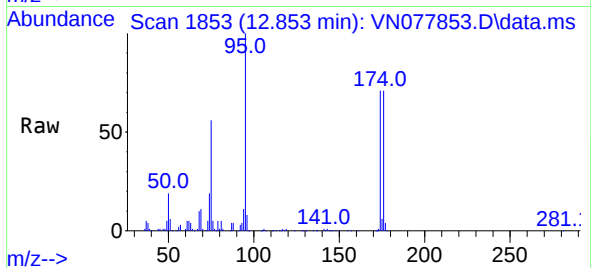




#76
1,2,3-Trichloropropane
Concen: 29.817 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

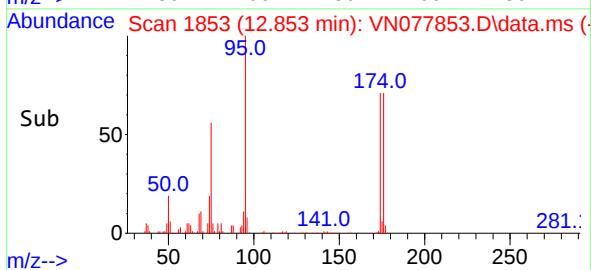
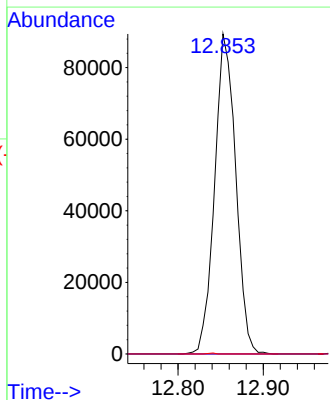
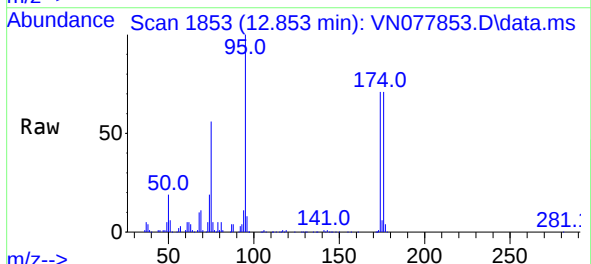
Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

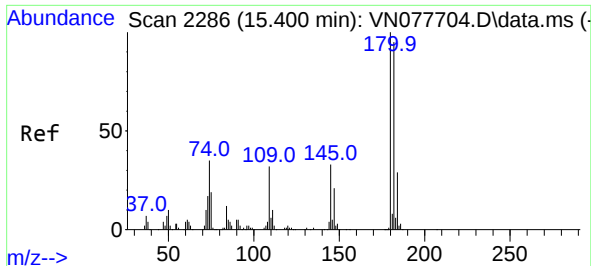
Tgt Ion: 75 Resp: 153692
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.310 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion: 75 Resp: 153692
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

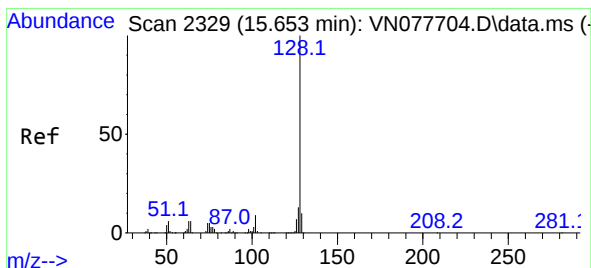
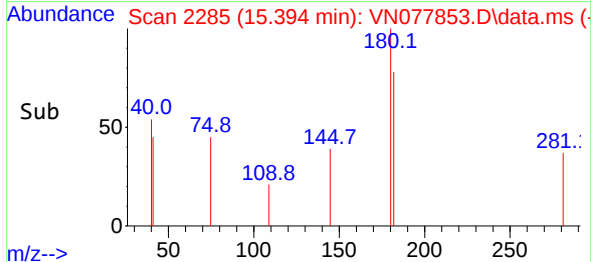
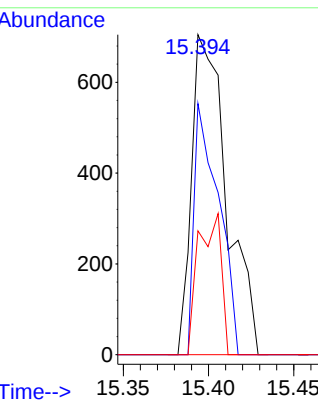
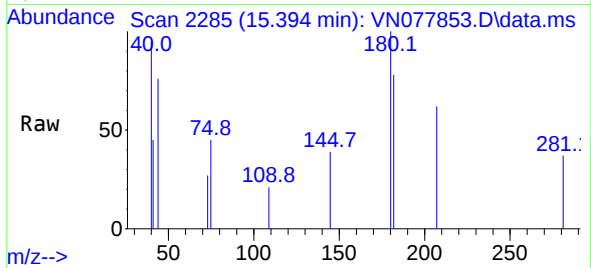




#93
1,2,4-Trichlorobenzene
Concen: 0.247 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Instrument :
MSVOA_N
ClientSampleId :
RB-01-20230522

Tgt Ion:	180	Resp:	1010
Ion	Ratio	Lower	Upper
180	100		
182	55.0	46.1	138.2
145	28.7	16.6	49.8



#95
Naphthalene
Concen: 0.232 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN077853.D
Acq: 24 May 2023 15:31

Tgt Ion:	128	Resp:	3263
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.0	15.0
129	1.7	8.7	13.1

