

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077852.D
 Acq On : 24 May 2023 15:07
 Operator : JC\MD
 Sample : 02910-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB-02-20230523

Quant Time: May 25 01:42:29 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)

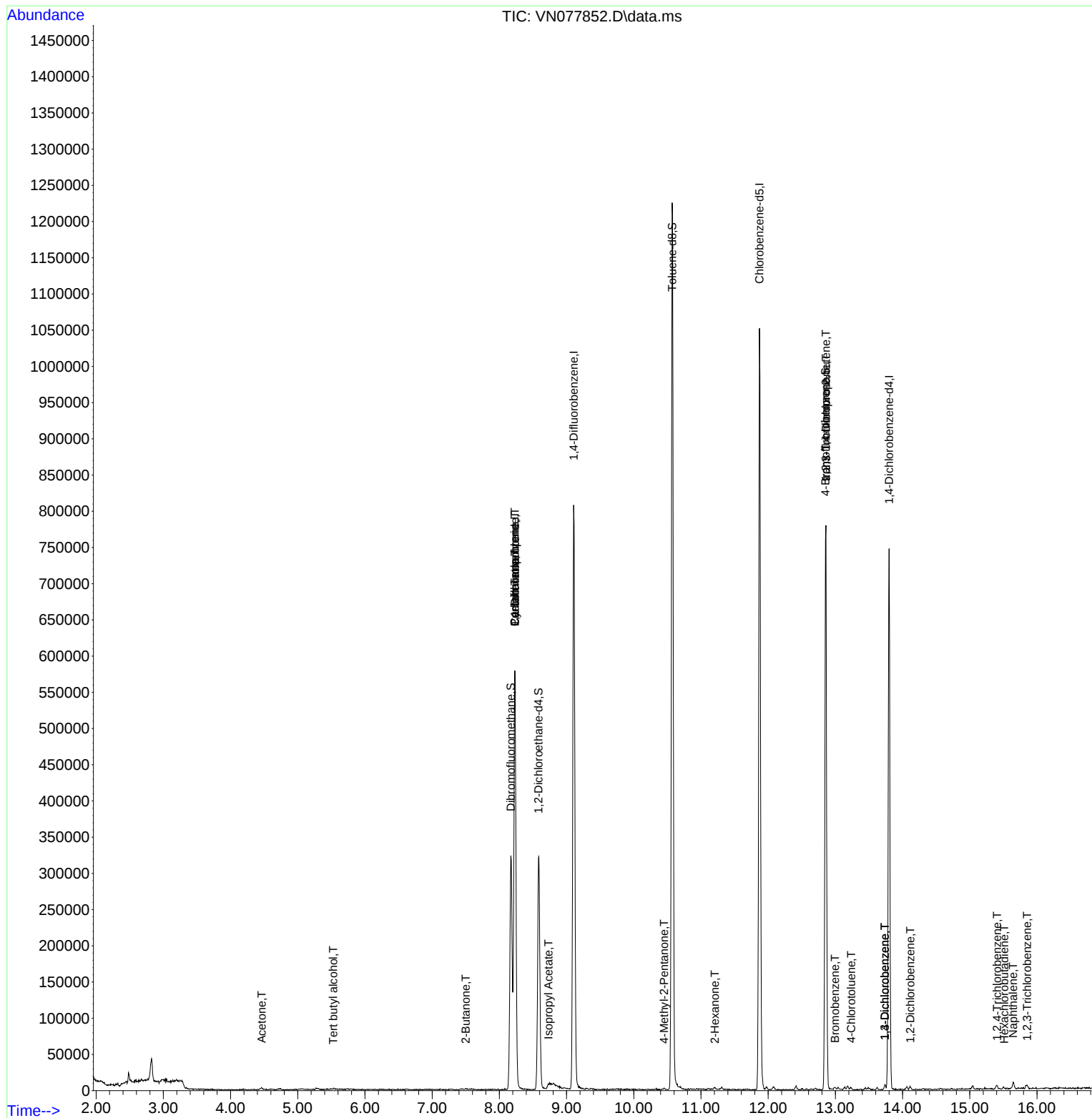
Internal Standards						
1) Pentafluorobenzene	8.230	168	410351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	734702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	636412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	198618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	269112	43.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.660%		
35) Dibromofluoromethane	8.171	113	234414	48.929	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.860%		
50) Toluene-d8	10.571	98	901031	48.861	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.853	95	283840	43.582	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1375	Below Cal		98
11) Tert butyl alcohol	5.530	59	284	0.335 ug/l #		72
13) Acrolein	4.171	56	128	Below Cal #		1
16) Acetone	4.465	43	3371	1.745 ug/l #		66
20) Methylene Chloride	5.289	84	737	Below Cal #		14
25) 2-Butanone	7.500	43	2304	0.762 ug/l		90
31) Cyclohexane	8.230	56	10546	1.264 ug/l #		31
36) 1,1-Dichloropropene	8.230	75	35101	5.009 ug/l #		49
38) Carbon Tetrachloride	8.230	117	43697	6.175 ug/l #		15
43) Isopropyl Acetate	8.730	43	5044	0.494 ug/l #		49
51) 4-Methyl-2-Pentanone	10.453	43	1482	0.244 ug/l		88
59) 2-Hexanone	11.206	43	2303	0.513 ug/l		79
76) 1,2,3-Trichloropropane	12.859	75	150937	30.345 ug/l #		1
77) Bromobenzene	12.994	156	918	0.235 ug/l		78
81) trans-1,4-Dichloro-2-b...	12.859	75	150937	96.997 ug/l #		15
82) 4-Chlorotoluene	13.235	91	2628	0.219 ug/l		98
87) 1,3-Dichlorobenzene	13.735	146	2222	0.308 ug/l		82
88) 1,4-Dichlorobenzene	13.735	146	2222	0.310 ug/l		80
91) 1,2-Dichlorobenzene	14.118	146	1990	0.295 ug/l		94
93) 1,2,4-Trichlorobenzene	15.406	180	1754	0.445 ug/l		82
94) Hexachlorobutadiene	15.512	225	520	0.317 ug/l		95
95) Naphthalene	15.647	128	8657	0.638 ug/l		98
96) 1,2,3-Trichlorobenzene	15.853	180	2962	0.767 ug/l		82

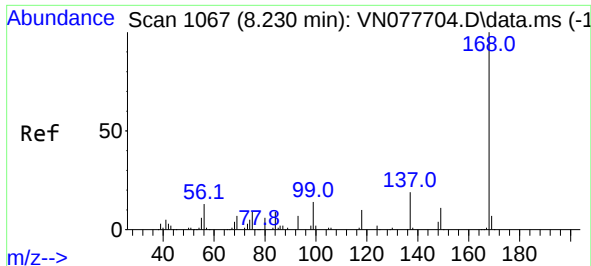
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
Data File : VN077852.D
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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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RB-02-20230523

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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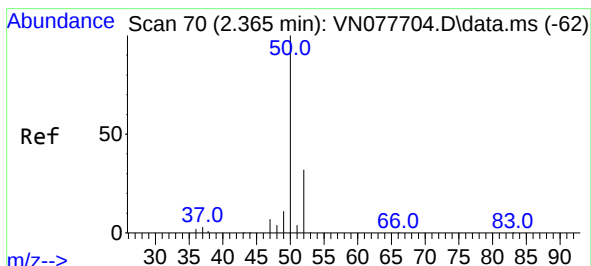
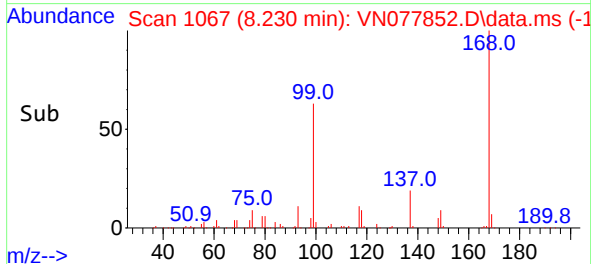
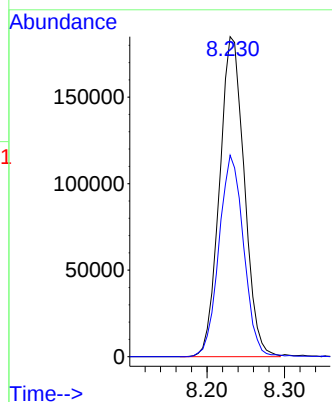
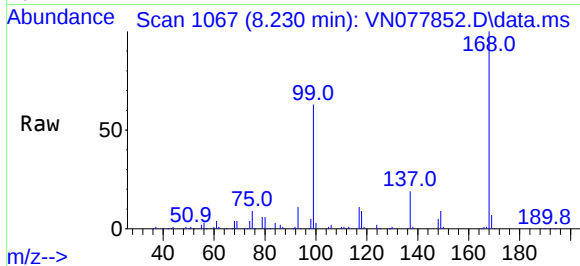




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

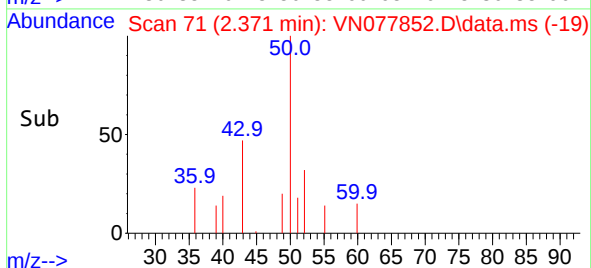
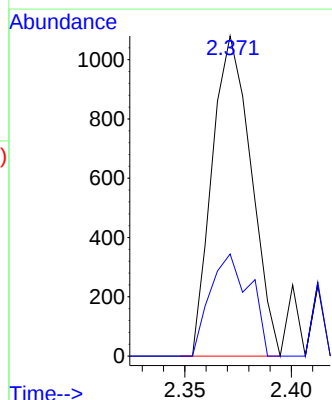
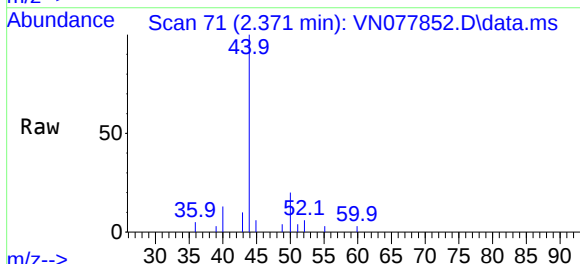
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MSVOA_N
ClientSampleId :
RB-02-20230523

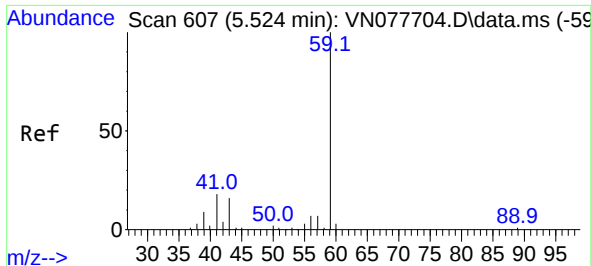
Tgt Ion:168 Resp: 410351
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 50 Resp: 1375
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

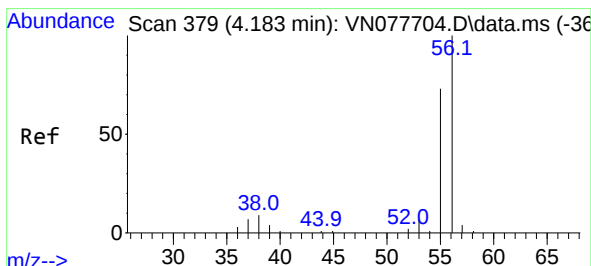
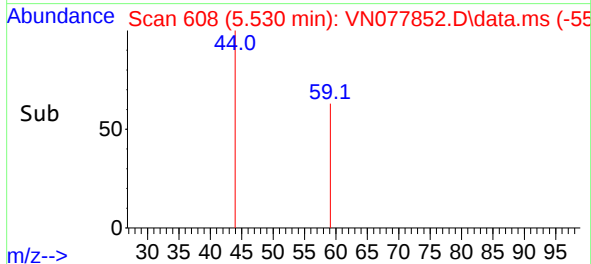
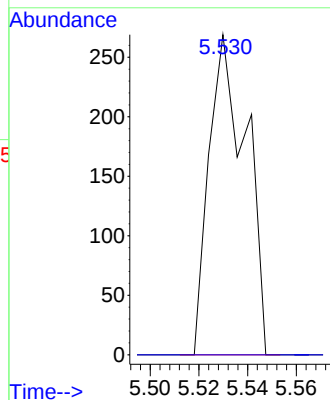
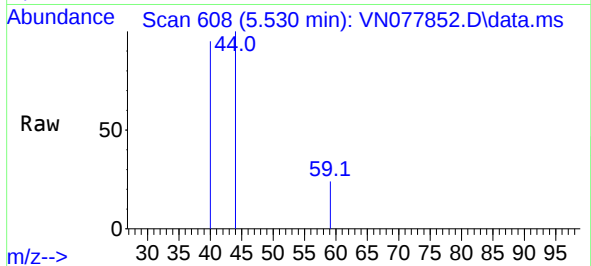




#11
Tert butyl alcohol
Concen: 0.335 ug/l
RT: 5.530 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

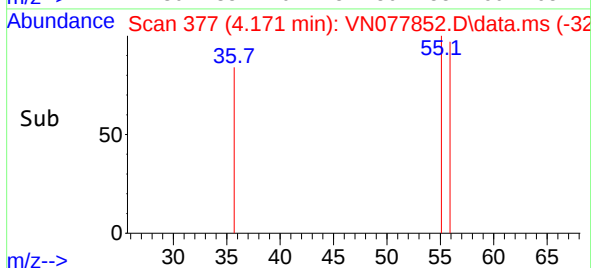
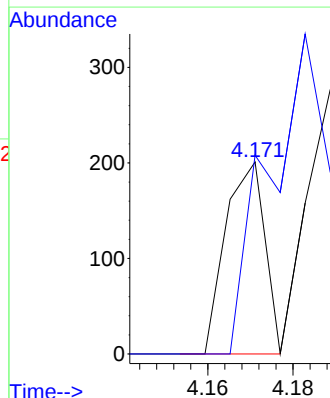
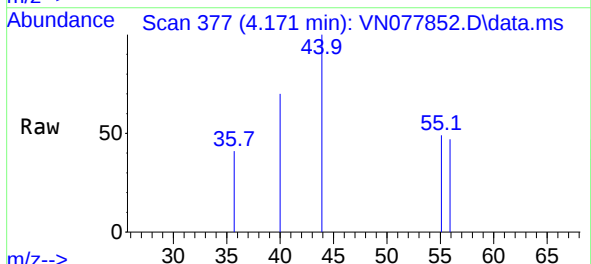
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

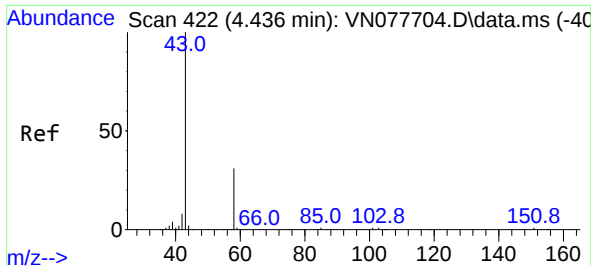
Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.018 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 361.7 54.5 81.7#

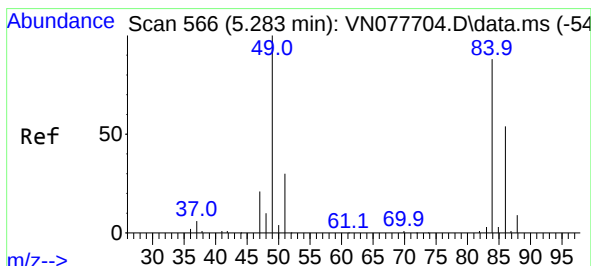
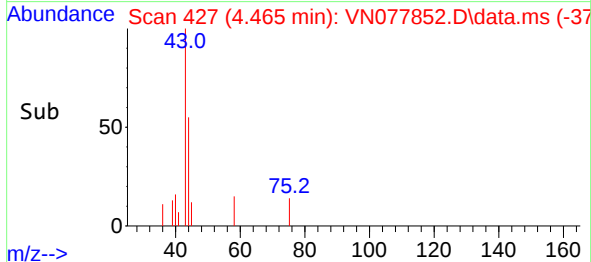
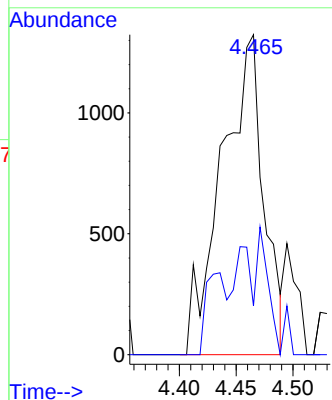
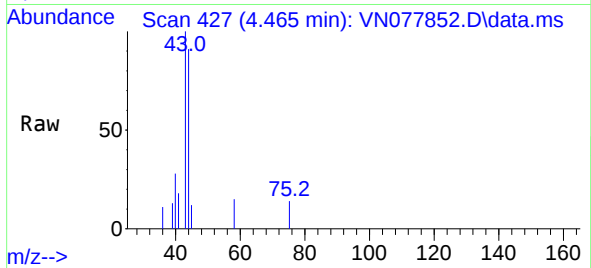




#16
Acetone
Concen: 1.745 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

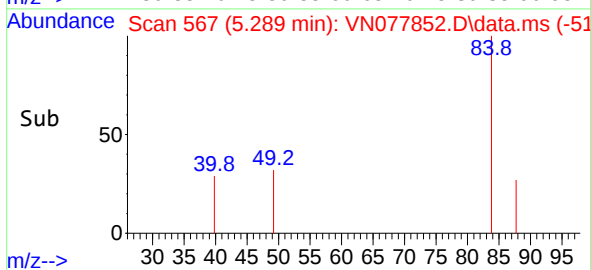
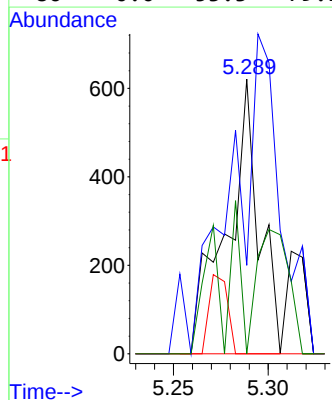
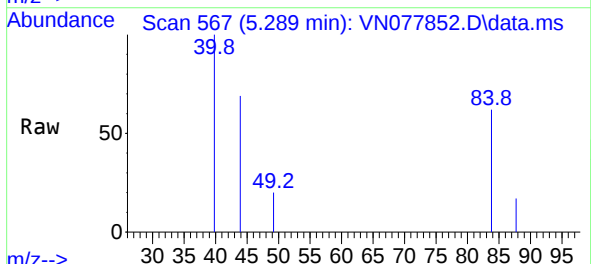
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

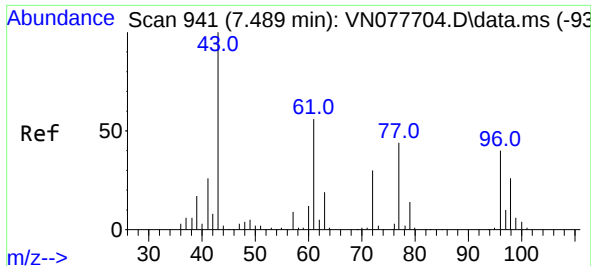
Tgt Ion: 43 Resp: 3371
Ion Ratio Lower Upper
43 100
58 15.3 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 84 Resp: 737
Ion Ratio Lower Upper
84 100
49 3.2 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

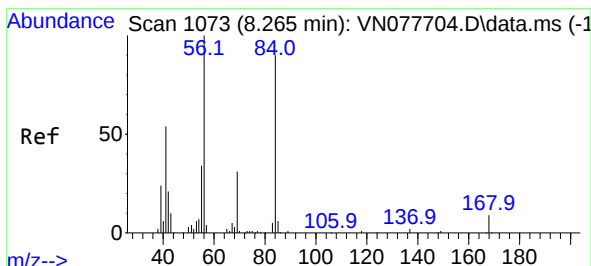
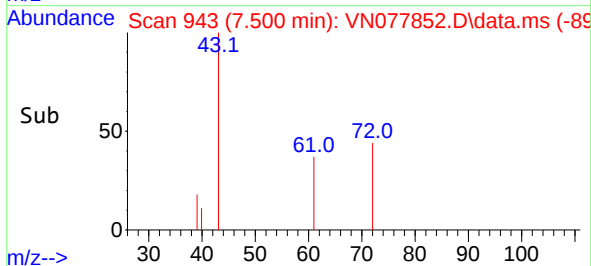
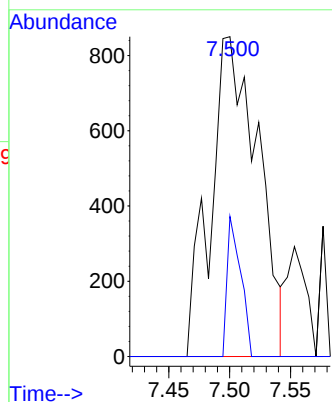
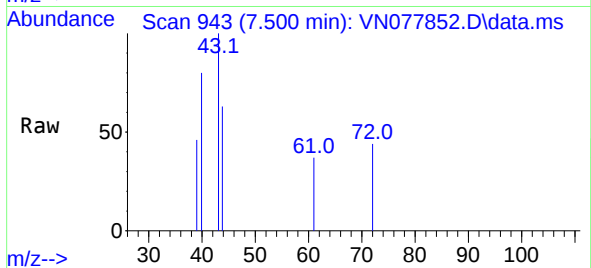




#25
2-Butanone
Concen: 0.762 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

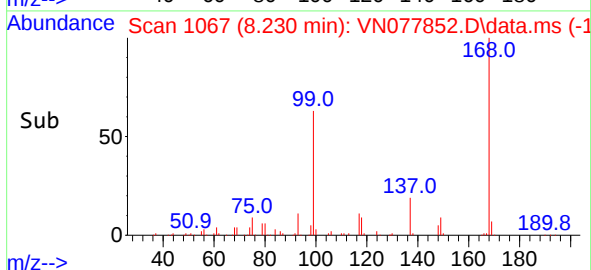
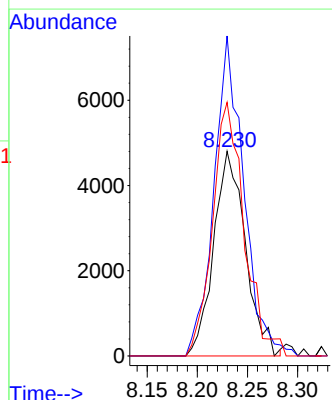
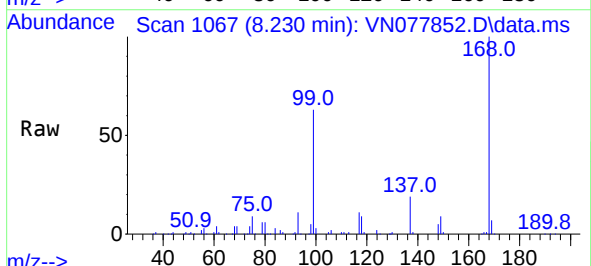
Instrument :
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ClientSampleId :
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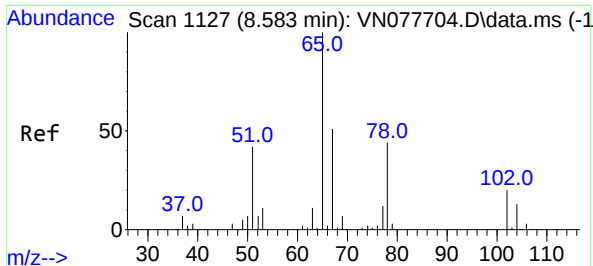
Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
72 43.8 30.2 45.2



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 56 Resp: 10546
Ion Ratio Lower Upper
56 100
69 156.4 26.8 40.2#
84 123.9 81.8 122.6#

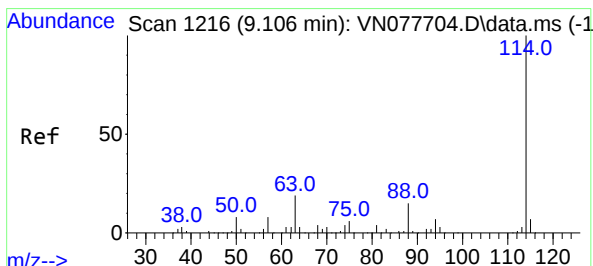
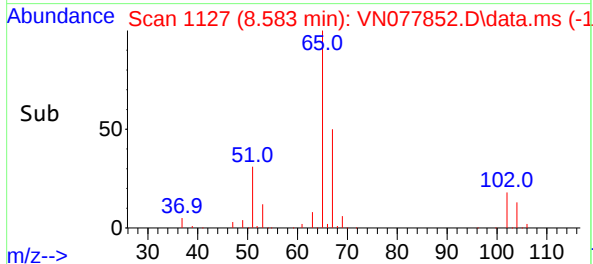
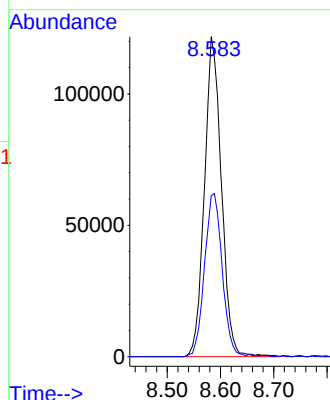
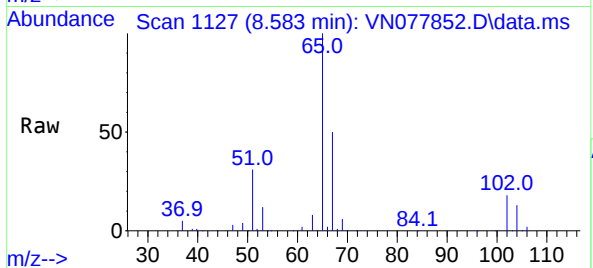




#33
1,2-Dichloroethane-d4
Concen: 43.830 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

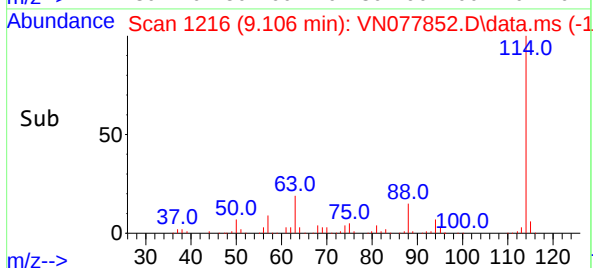
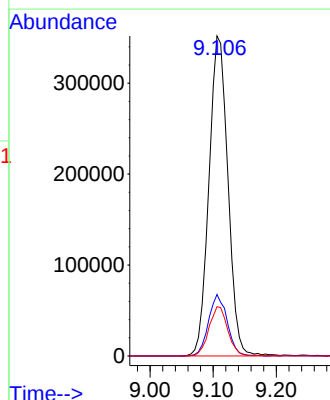
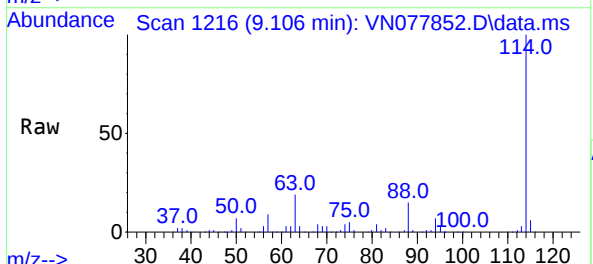
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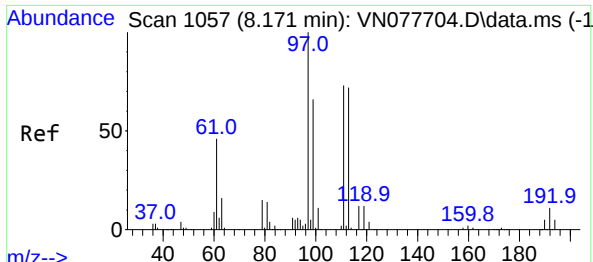
Tgt Ion: 65 Resp: 269112
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 114 Resp: 734702
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.4
88 15.4 0.0 30.6

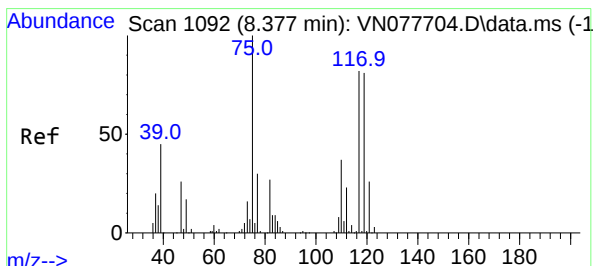
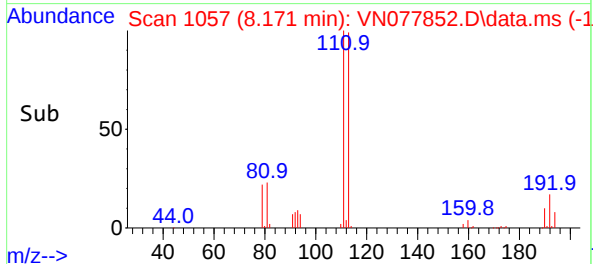
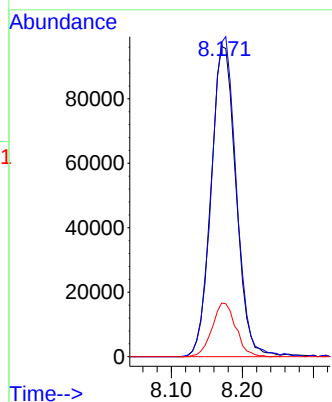
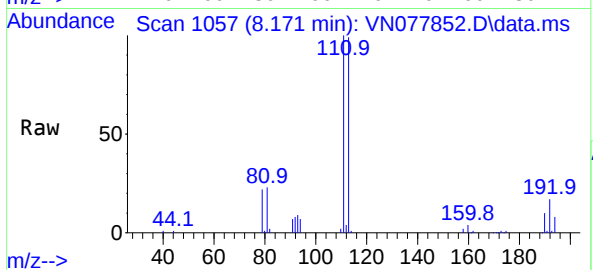




#35
Dibromofluoromethane
Concen: 48.929 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

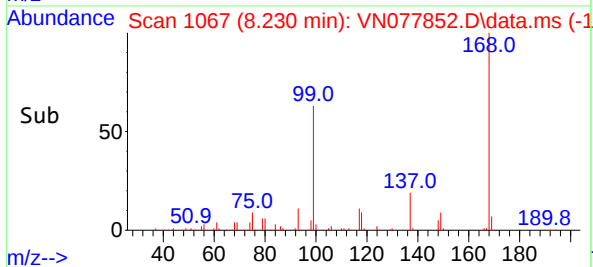
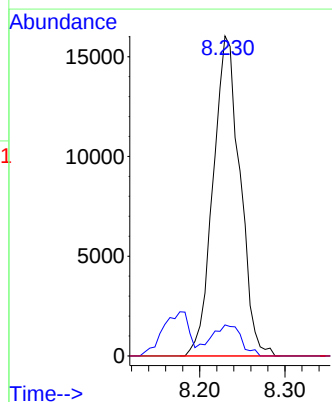
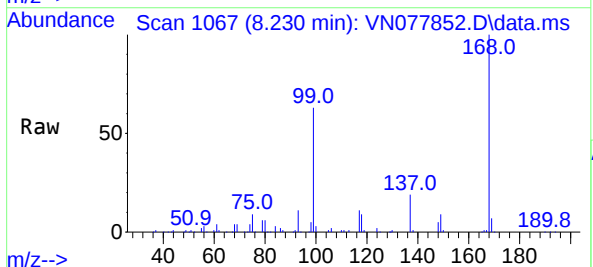
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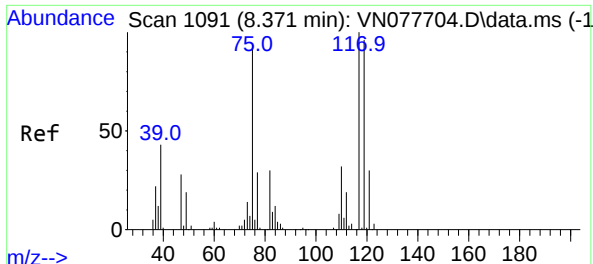
Tgt Ion:113 Resp: 234414
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

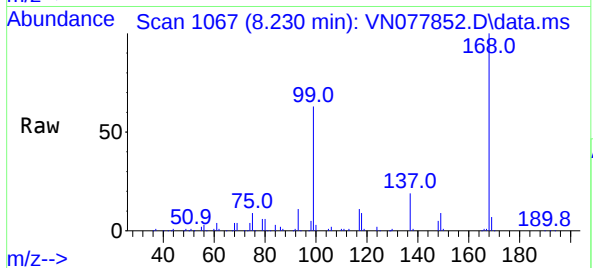
Tgt Ion: 75 Resp: 35101
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#



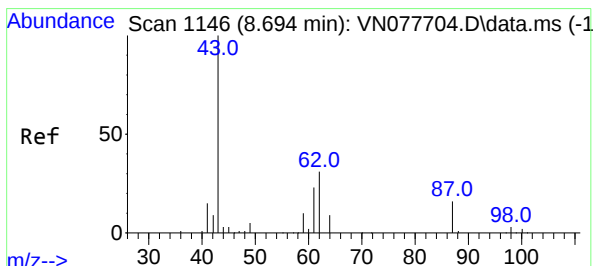
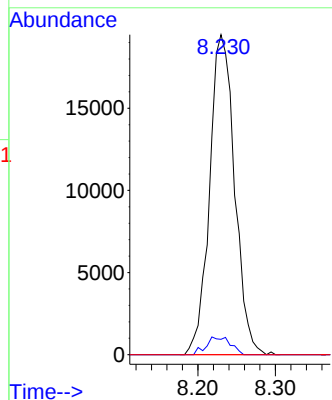
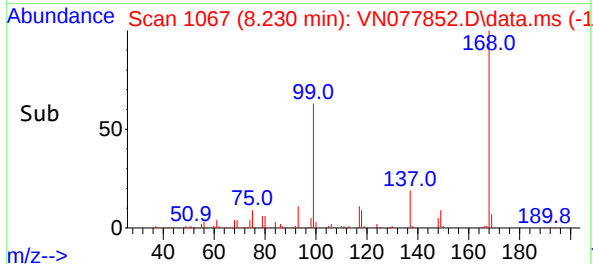


#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

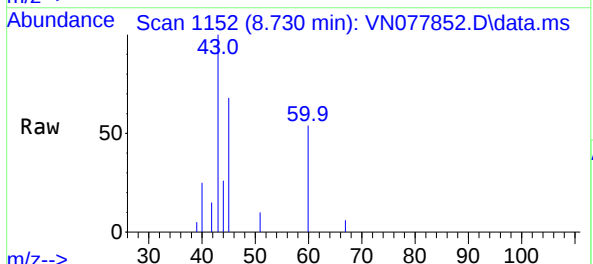
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MSVOA_N
ClientSampleId :
RB-02-20230523



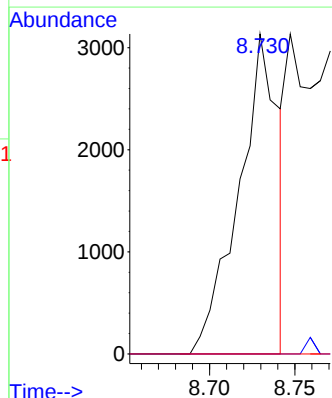
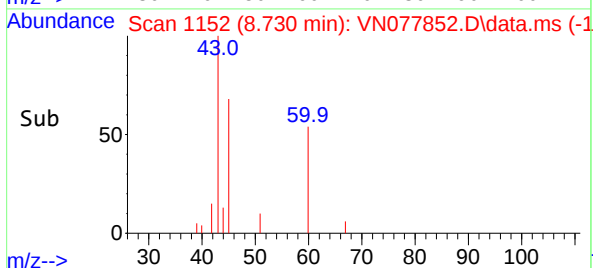
Tgt Ion:117 Resp: 43697
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#

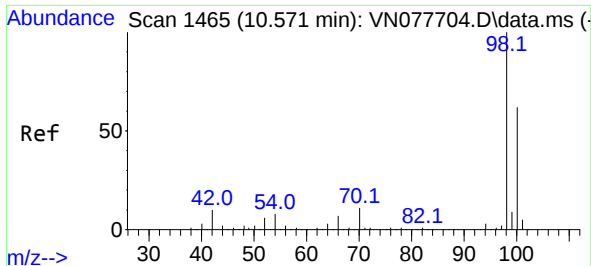


#43
Isopropyl Acetate
Concen: 0.494 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.036 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07



Tgt Ion: 43 Resp: 5044
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 48.861 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

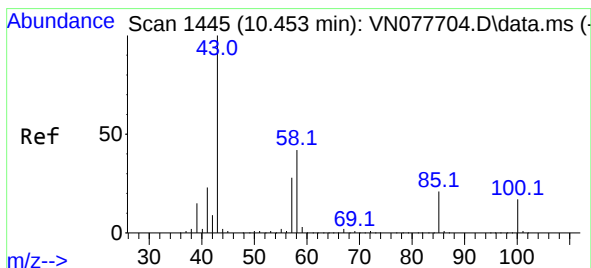
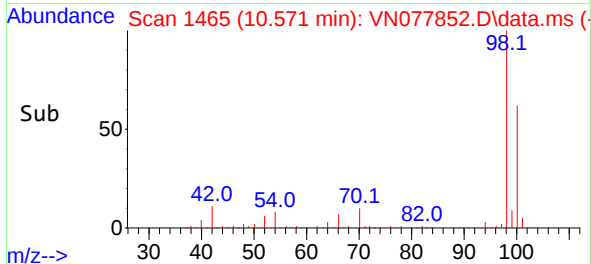
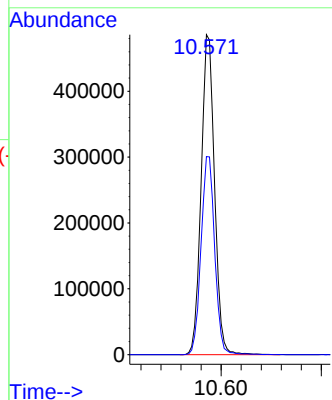
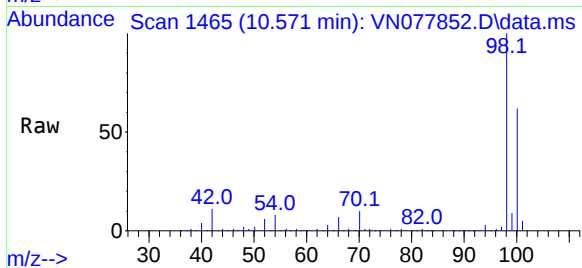
RB-02-20230523

Tgt Ion: 98 Resp: 901031

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.244 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN077852.D

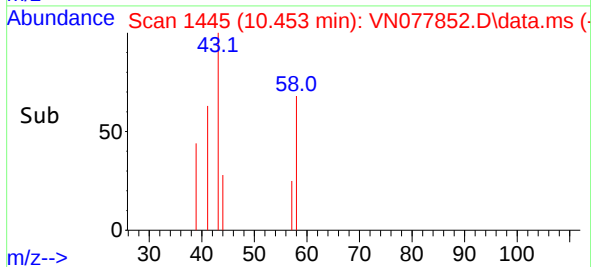
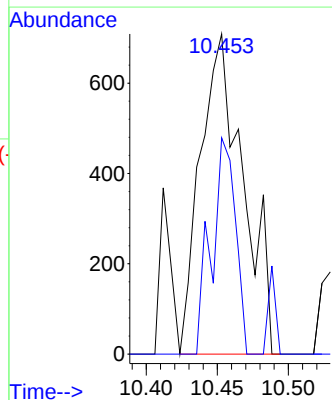
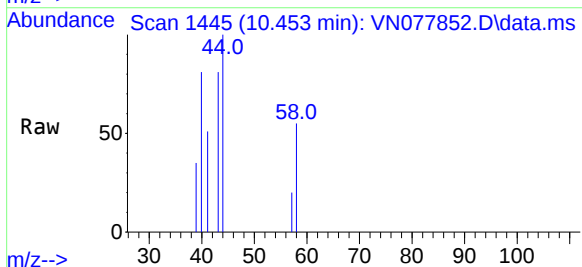
Acq: 24 May 2023 15:07

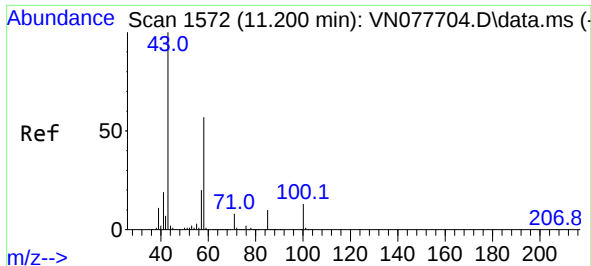
Tgt Ion: 43 Resp: 1482

Ion Ratio Lower Upper

43 100

58 37.8 36.6 54.8

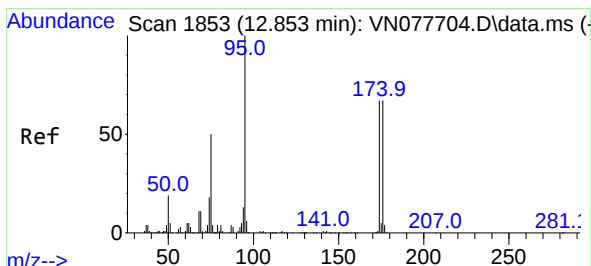
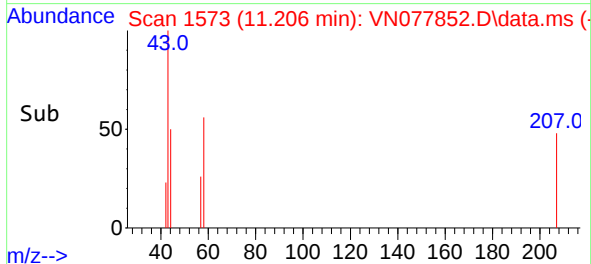
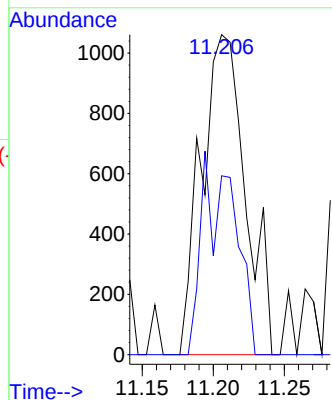
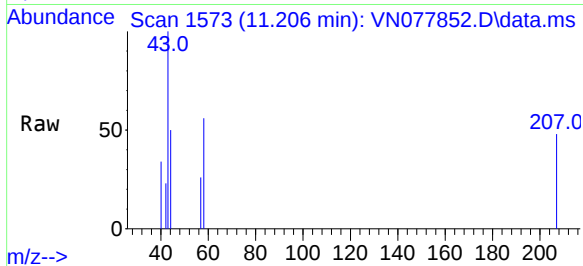




#59
2-Hexanone
Concen: 0.513 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

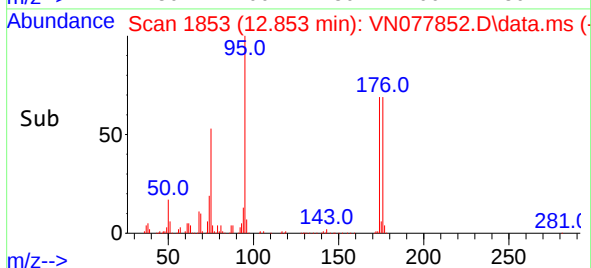
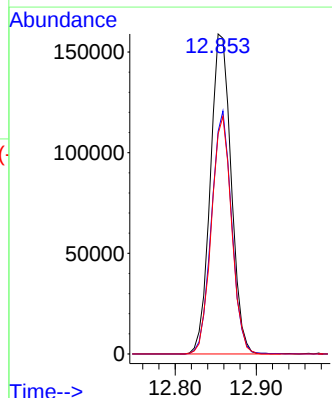
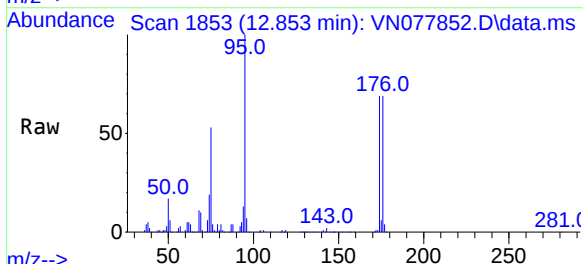
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

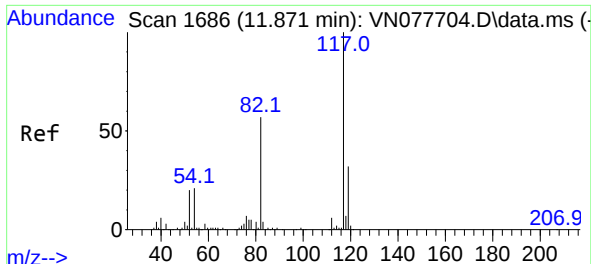
Tgt Ion: 43 Resp: 2303
Ion Ratio Lower Upper
43 100
58 46.9 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 43.582 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 95 Resp: 283840
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.8
176 71.6 0.0 135.8

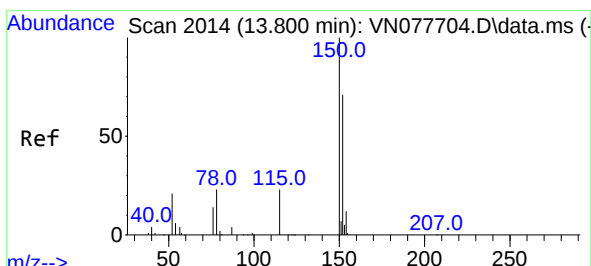
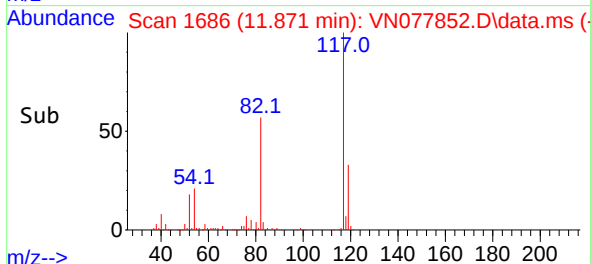
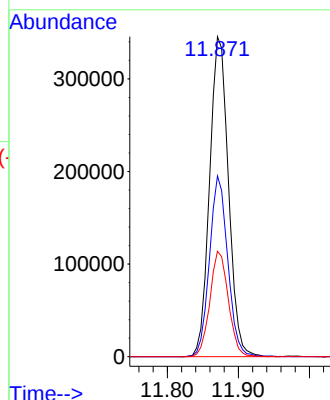
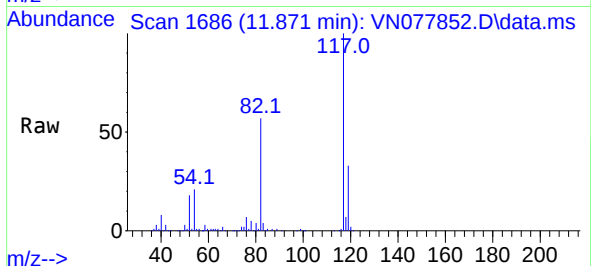




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

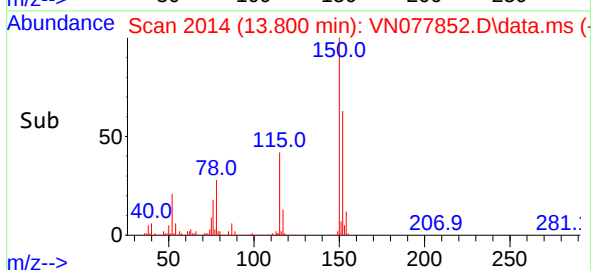
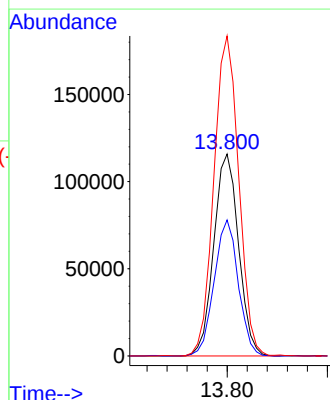
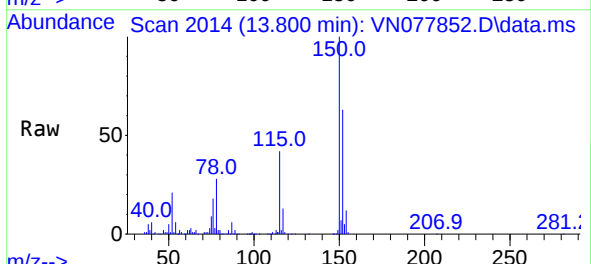
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

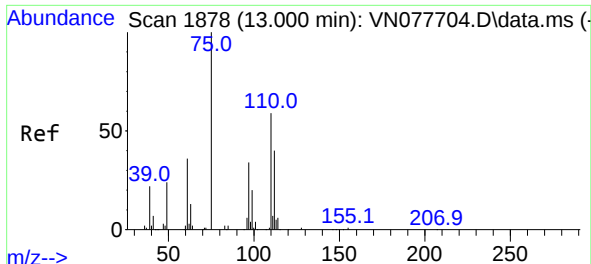
Tgt Ion:117 Resp: 636412
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 33.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion:152 Resp: 198618
Ion Ratio Lower Upper
152 100
115 65.7 32.3 96.8
150 158.8 0.0 355.8

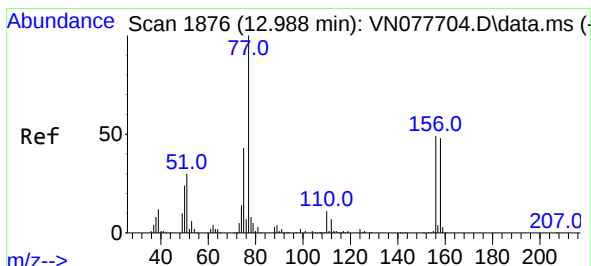
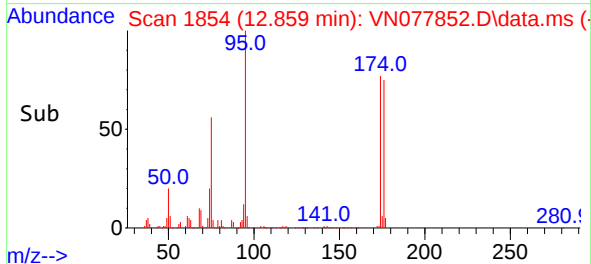
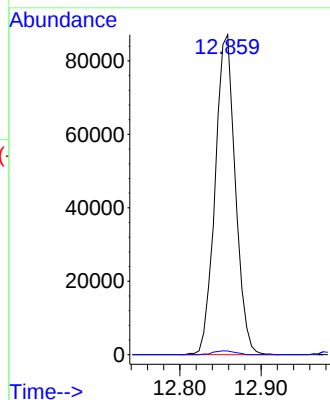
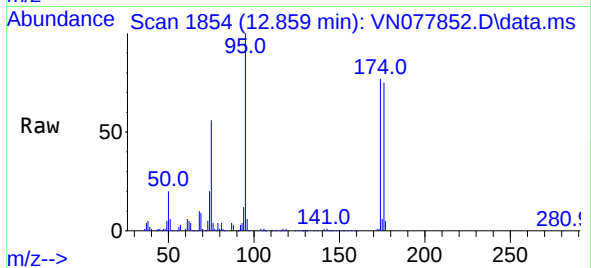




#76
1,2,3-Trichloropropane
Concen: 30.345 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

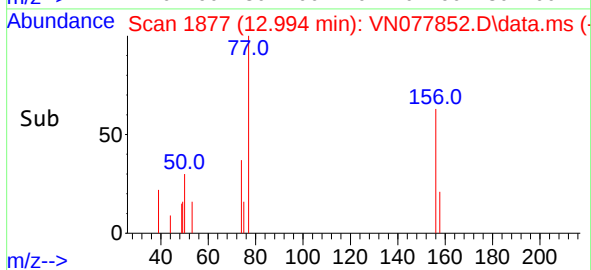
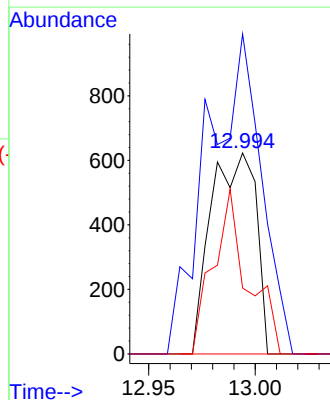
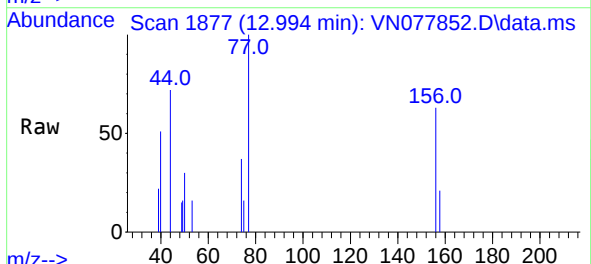
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

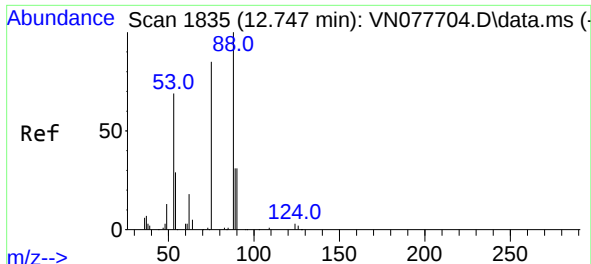
Tgt Ion: 75 Resp: 150937
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#77
Bromobenzene
Concen: 0.235 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion:156 Resp: 918
Ion Ratio Lower Upper
156 100
77 188.9 107.7 323.3
158 62.7 48.4 145.3

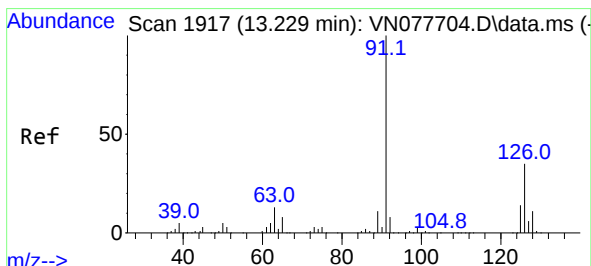
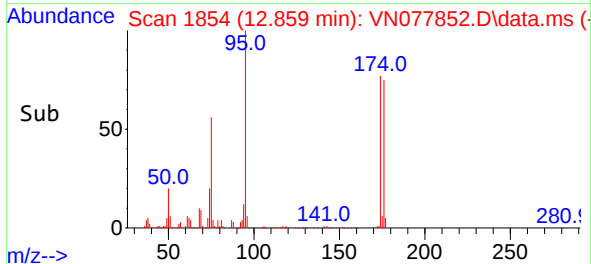
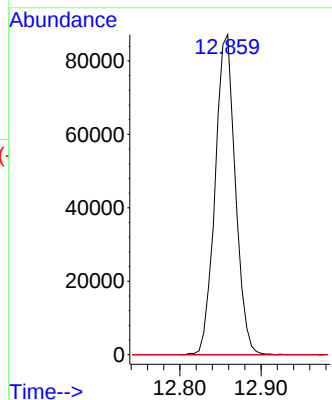
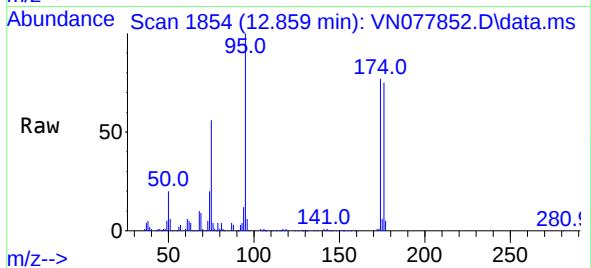




#81
trans-1,4-Dichloro-2-butene
Concen: 96.997 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

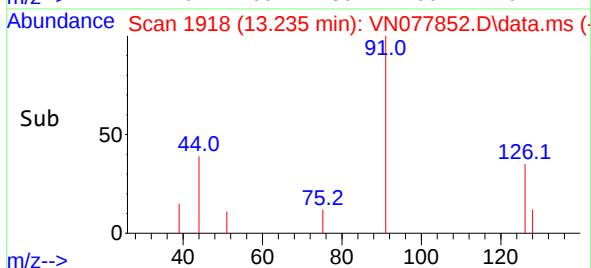
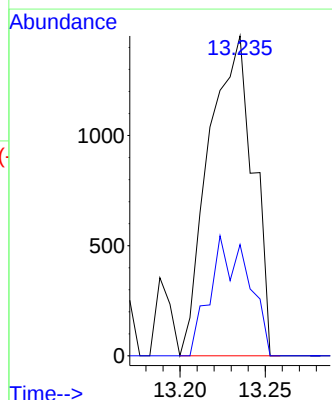
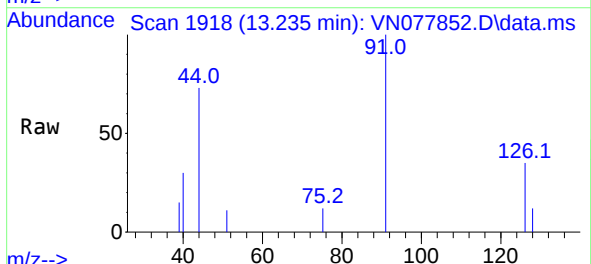
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

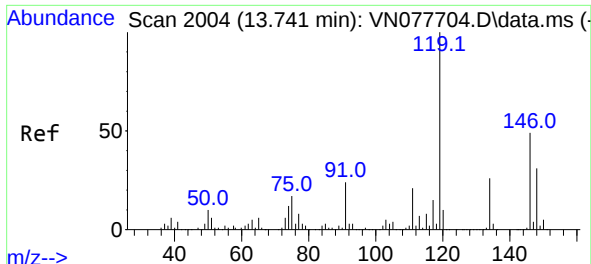
Tgt Ion: 75 Resp: 150937
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.219 ug/l
RT: 13.235 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

Tgt Ion: 91 Resp: 2628
Ion Ratio Lower Upper
91 100
126 32.4 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 0.308 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.006 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

RB-02-20230523

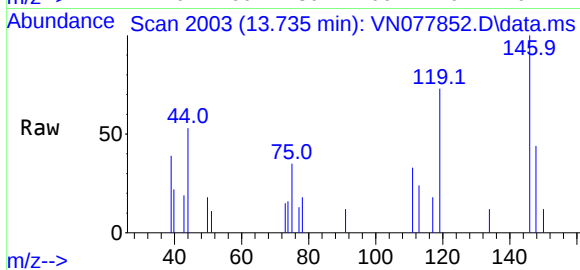
Tgt Ion:146 Resp: 2222

Ion Ratio Lower Upper

146 100

111 51.9 22.1 66.3

148 46.7 32.0 96.0

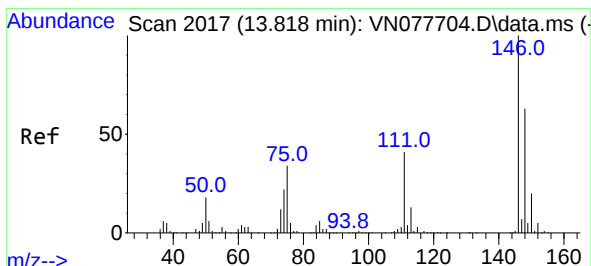
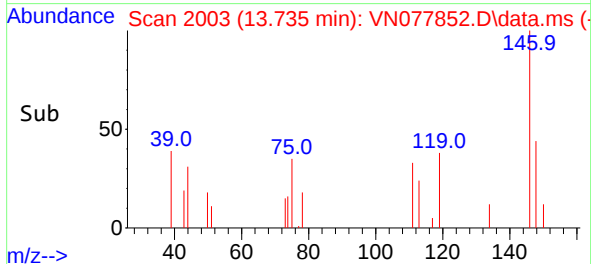


Abundance

13.735

13.735

Time-->



#88

1,4-Dichlorobenzene

Concen: 0.310 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.082 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

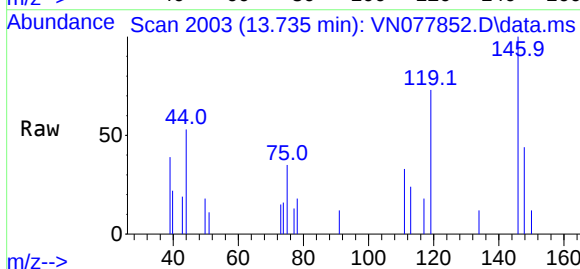
Tgt Ion:146 Resp: 2222

Ion Ratio Lower Upper

146 100

111 51.9 20.6 61.8

148 46.7 31.6 94.8

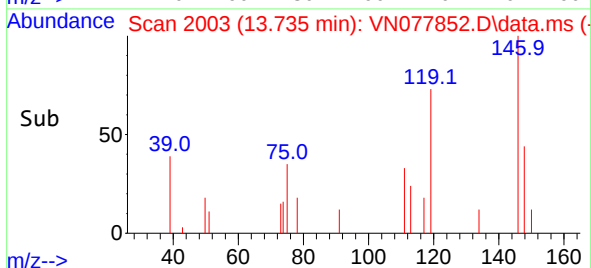


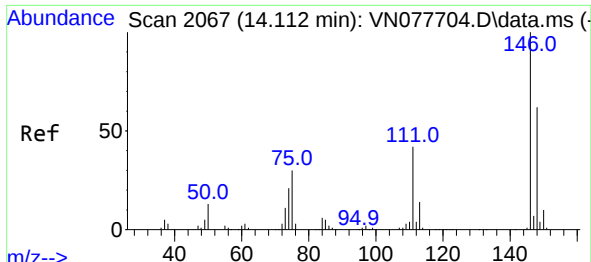
Abundance

13.735

13.735

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.295 ug/l

RT: 14.118 min Scan# 2067

Delta R.T. 0.006 min

Lab File: VN077852.D

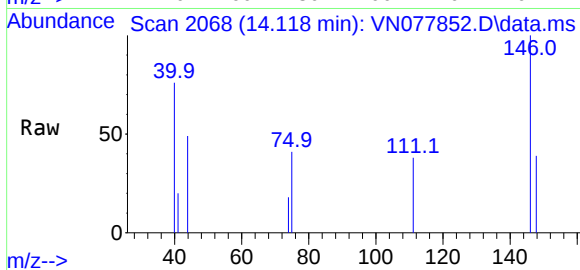
Acq: 24 May 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

RB-02-20230523



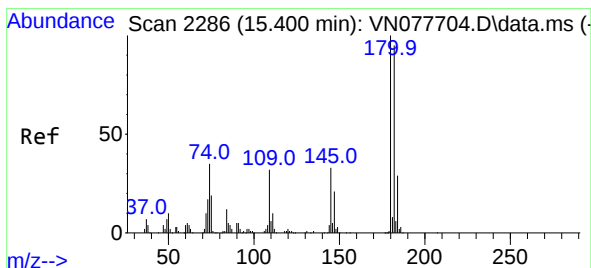
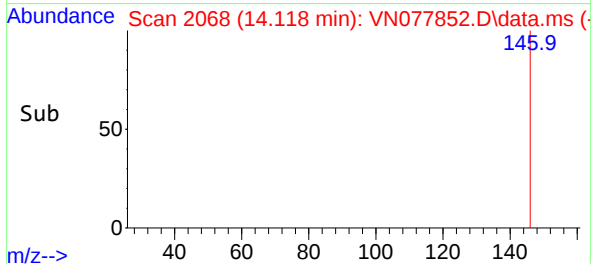
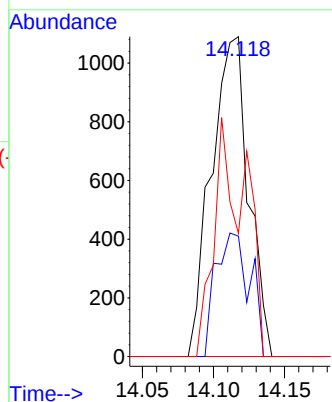
Tgt Ion:146 Resp: 1990

Ion Ratio Lower Upper

146 100

111 35.2 22.0 66.0

148 62.4 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.445 ug/l

RT: 15.406 min Scan# 2287

Delta R.T. 0.006 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

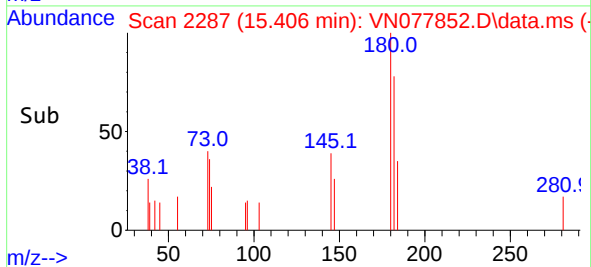
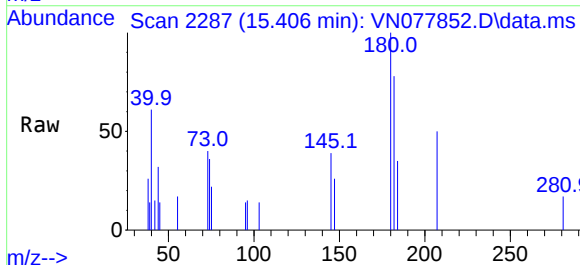
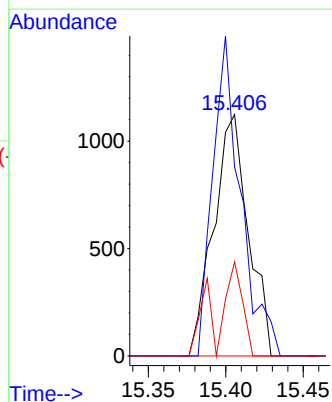
Tgt Ion:180 Resp: 1754

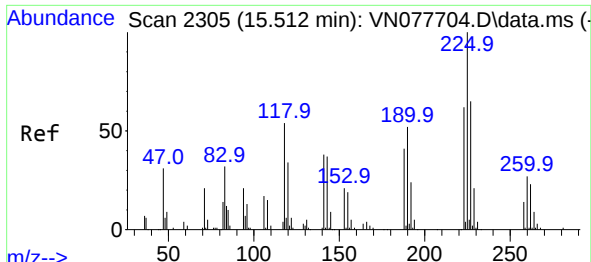
Ion Ratio Lower Upper

180 100

182 106.3 46.1 138.2

145 18.8 16.6 49.8

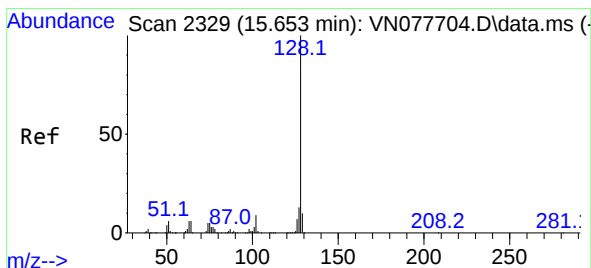
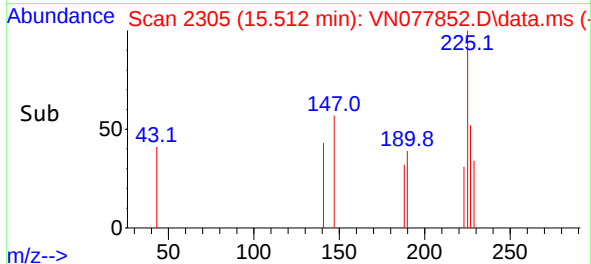
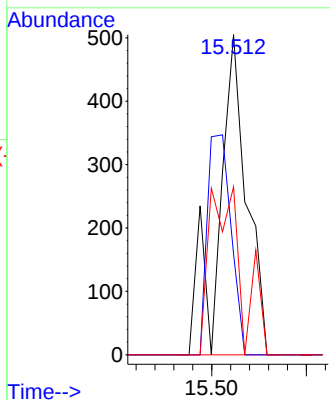
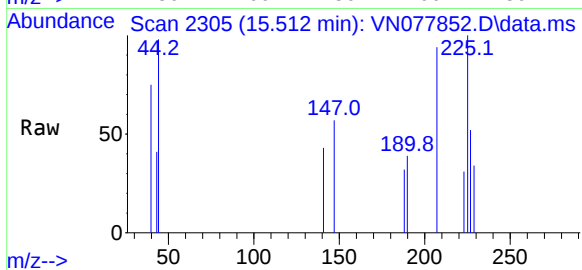




#94
Hexachlorobutadiene
Concen: 0.317 ug/l
RT: 15.512 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

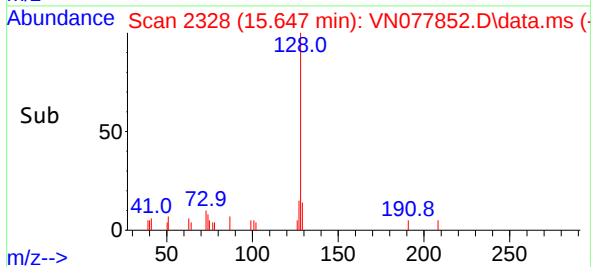
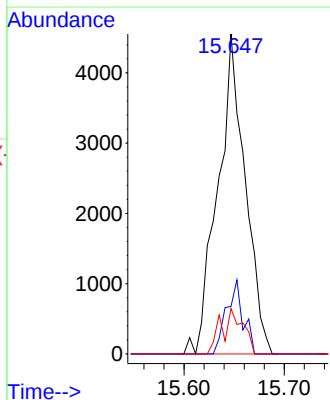
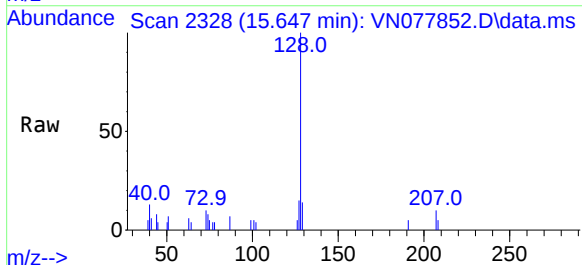
Instrument :
MSVOA_N
ClientSampleId :
RB-02-20230523

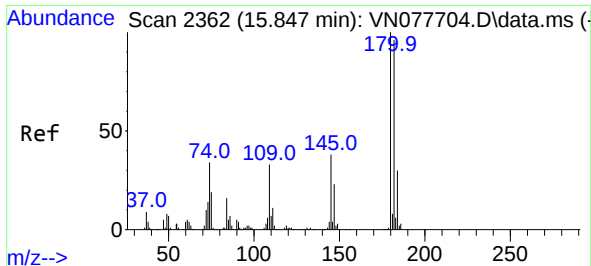
Tgt Ion:	225	Resp:	520
Ion	Ratio	Lower	Upper
225	100		
223	57.7	31.3	93.8
227	60.2	31.9	95.9



#95
Naphthalene
Concen: 0.638 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN077852.D
Acq: 24 May 2023 15:07

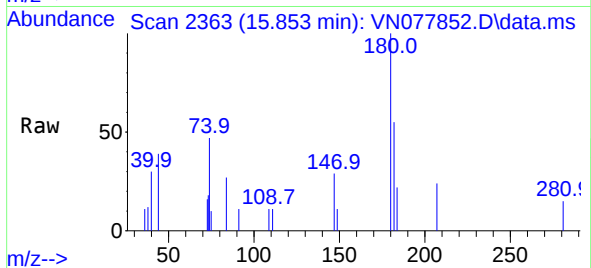
Tgt Ion:	128	Resp:	8657
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.0	15.0
129	11.1	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.767 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077852.D
 Acq: 24 May 2023 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RB-02-20230523



Tgt Ion:	180	Resp:	2962
Ion	Ratio	Lower	Upper
180	100		
182	74.9	46.2	138.6
145	25.6	17.5	52.6

