

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077798.D
 Acq On : 22 May 2023 18:41
 Operator : JC\MD
 Sample : 02880-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230519

Quant Time: May 23 04:21:19 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)

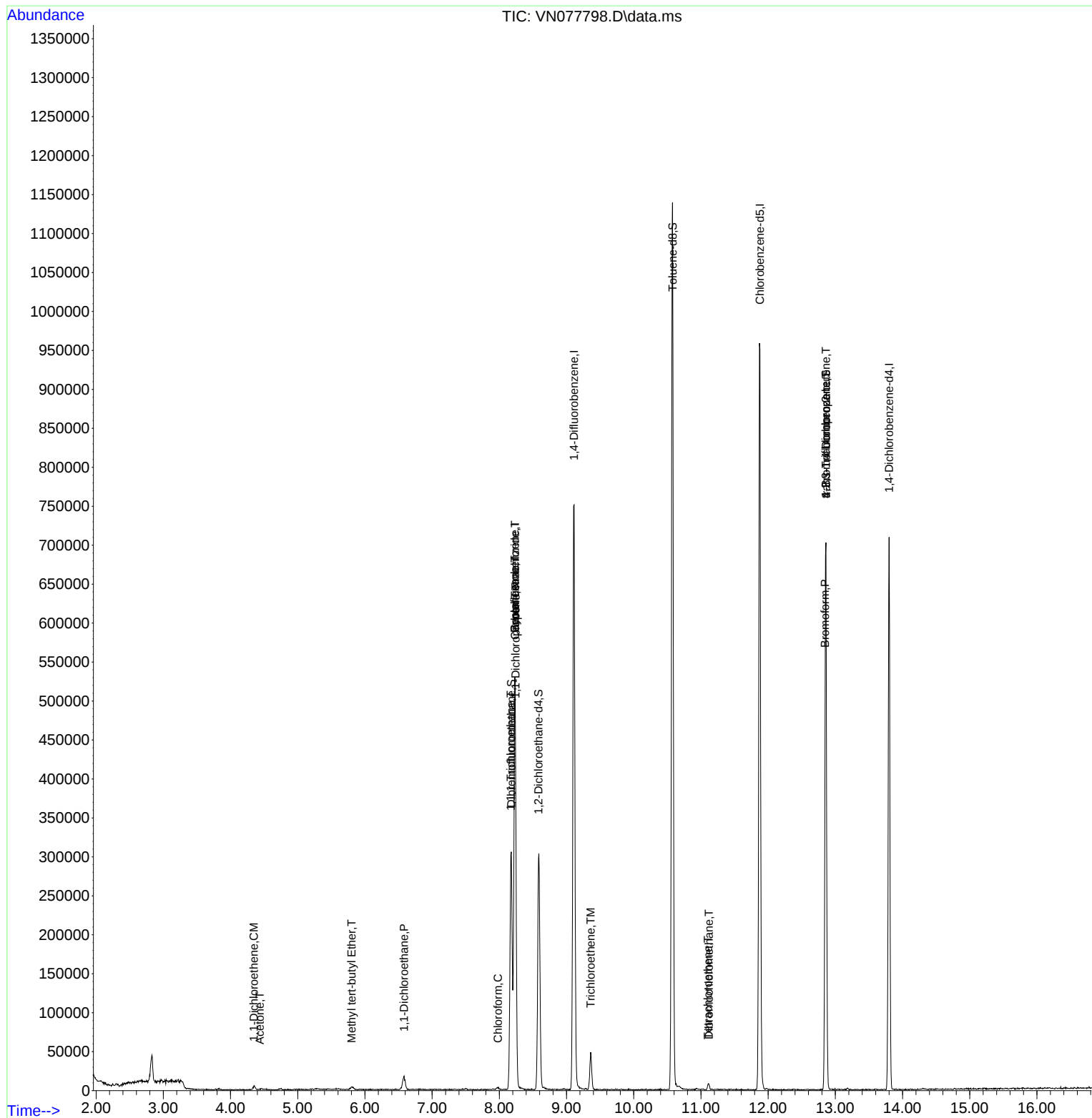
Internal Standards						
1) Pentafluorobenzene	8.230	168	382401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	678424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	593804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	190408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	249592	43.622	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.240%
35) Dibromofluoromethane	8.177	113	220340	49.806	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.620%
50) Toluene-d8	10.577	98	826180	48.519	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.859	95	255772	42.530	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1657	Below Cal	#	70
12) 1,1-Dichloroethene	4.348	96	2581	0.642	ug/l #	74
16) Acetone	4.436	43	552	0.307	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	5146	0.353	ug/l	94
20) Methylene Chloride	5.289	84	996	Below Cal	#	46
24) 1,1-Dichloroethane	6.583	63	23031	2.714	ug/l	95
30) Chloroform	7.977	83	2826	0.303	ug/l #	79
31) Cyclohexane	8.230	56	9016	1.159	ug/l #	52
32) 1,1,1-Trichloroethane	8.171	97	2273	0.286	ug/l #	49
36) 1,1-Dichloropropene	8.241	75	31733	4.904	ug/l #	49
38) Carbon Tetrachloride	8.236	117	43325	6.631	ug/l #	16
44) Trichloroethene	9.359	130	15708	3.249	ug/l	91
60) Dibromochloromethane	11.118	129	1797	0.369	ug/l #	11
64) Tetrachloroethene	11.106	164	2146	0.517	ug/l #	52
71) Bromoform	12.847	173	985	0.332	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	136862	28.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	136862	91.744	ug/l #	15

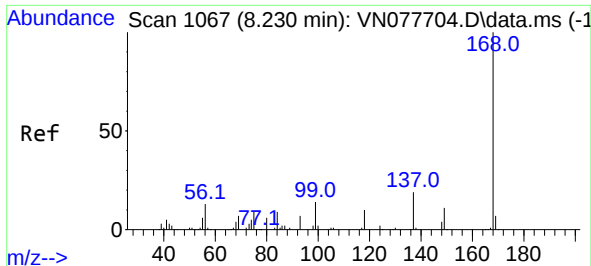
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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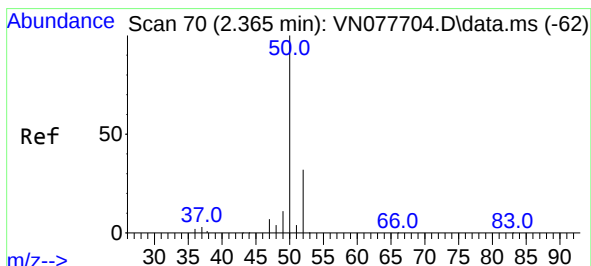
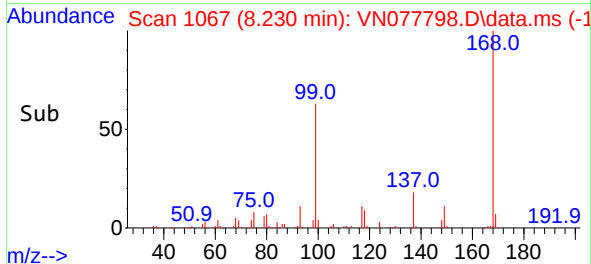
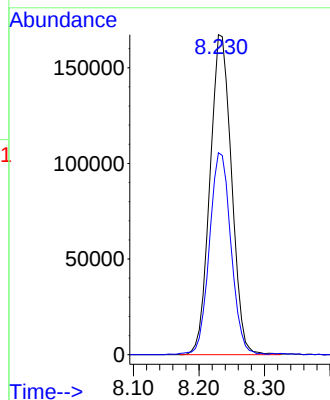
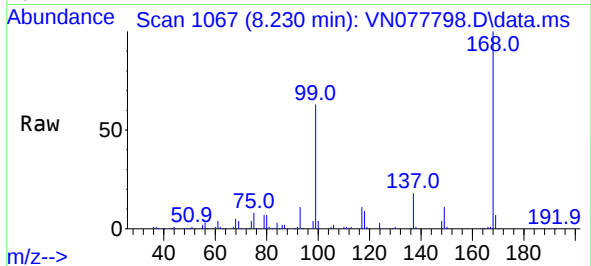




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

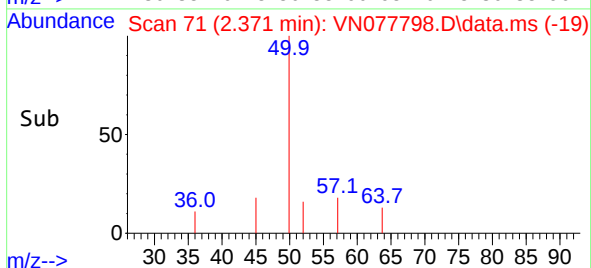
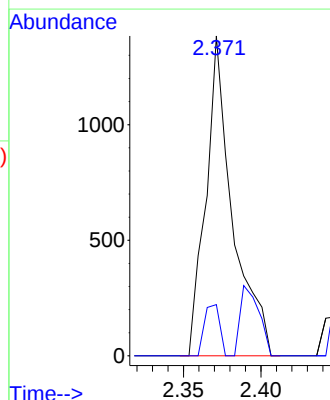
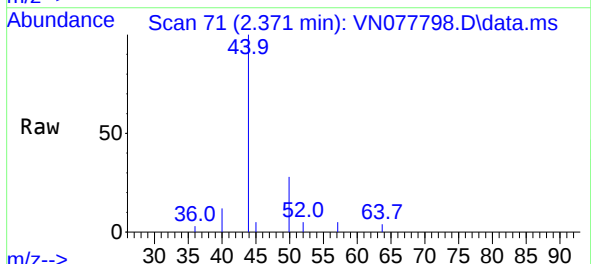
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

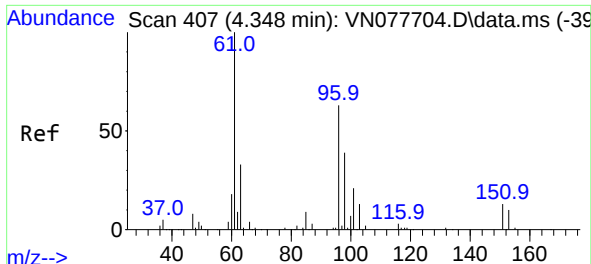
Tgt Ion:168 Resp: 382401
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 50 Resp: 1657
Ion Ratio Lower Upper
50 100
52 16.0 26.5 39.7#

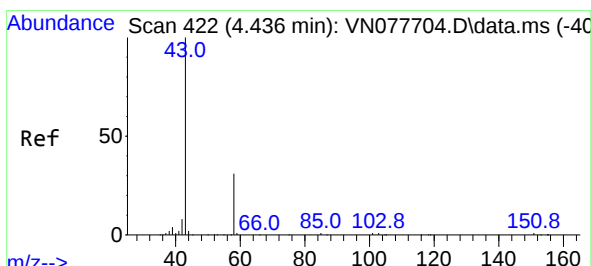
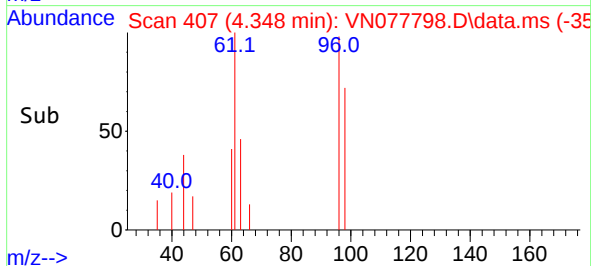
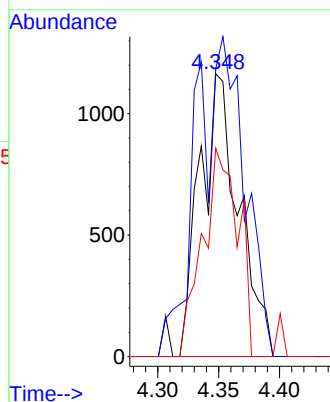
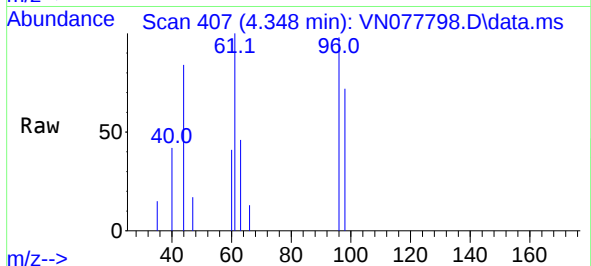




#12
1,1-Dichloroethene
Concen: 0.642 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

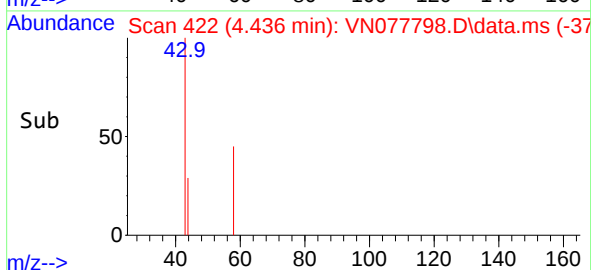
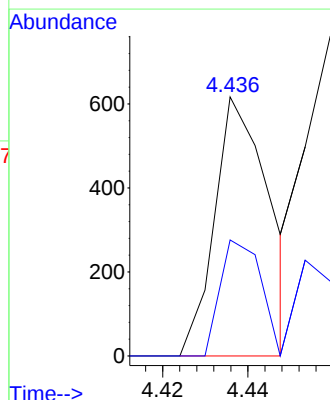
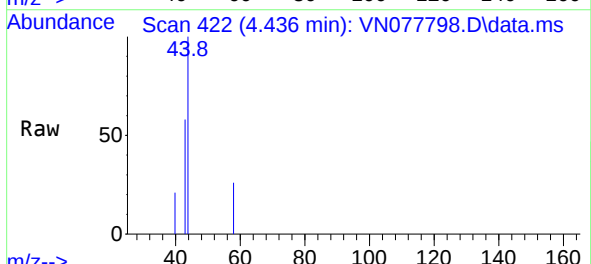
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

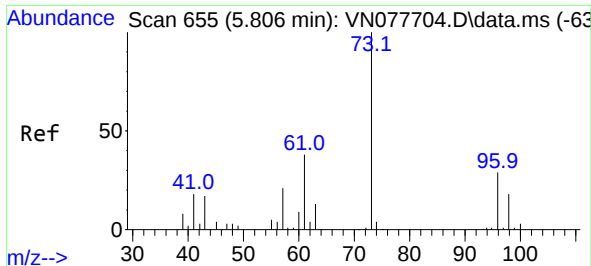
Tgt Ion: 96 Resp: 2581
Ion Ratio Lower Upper
96 100
61 101.6 112.7 169.1#
98 73.6 51.2 76.8



#16
Acetone
Concen: 0.307 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
58 44.7 28.0 42.0#





#19

Methyl tert-butyl Ether

Concen: 0.353 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

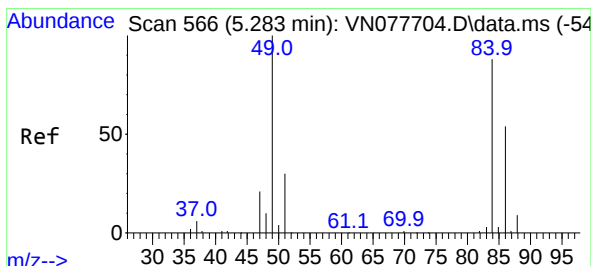
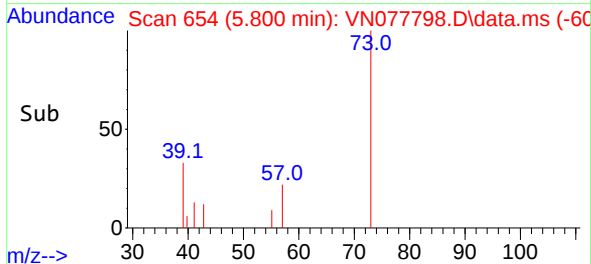
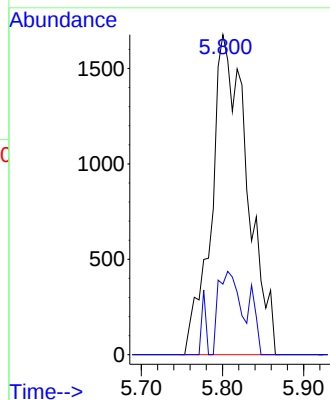
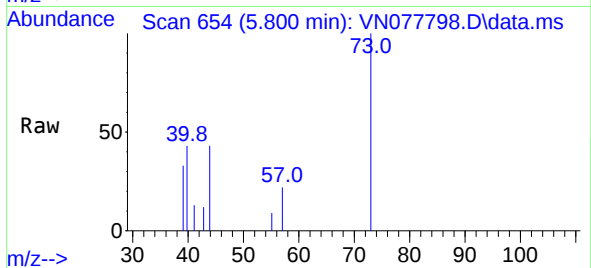
TT161S1-20230519

Tgt Ion: 73 Resp: 5146

Ion Ratio Lower Upper

73 100

57 22.1 15.6 23.4



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 567

Delta R.T. 0.006 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

Tgt Ion: 84 Resp: 996

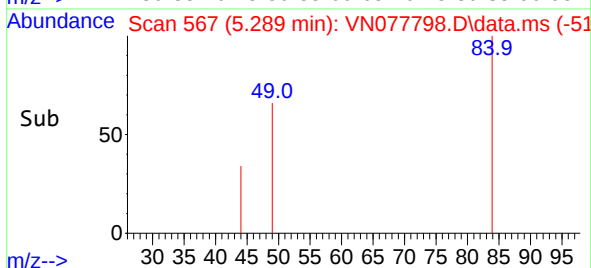
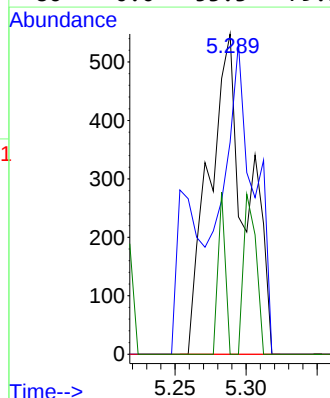
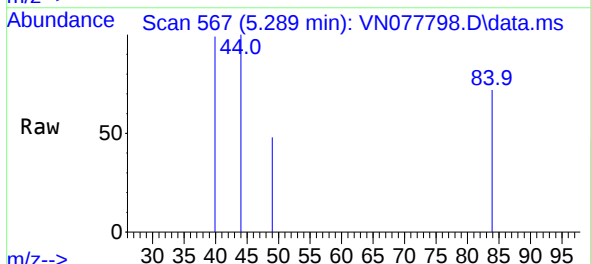
Ion Ratio Lower Upper

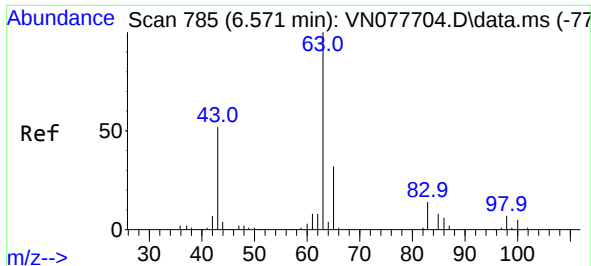
84 100

49 66.2 79.7 119.5#

51 0.0 25.2 37.8#

86 0.0 53.3 79.9#

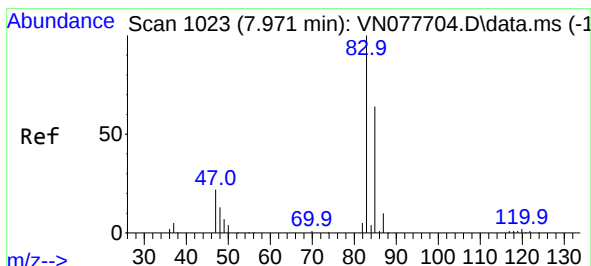
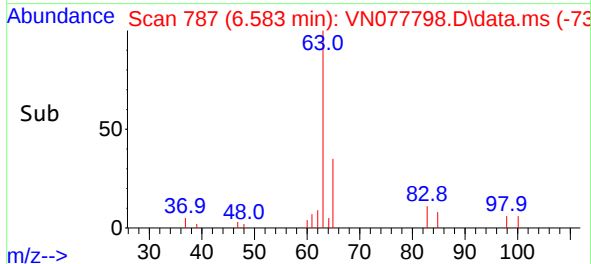
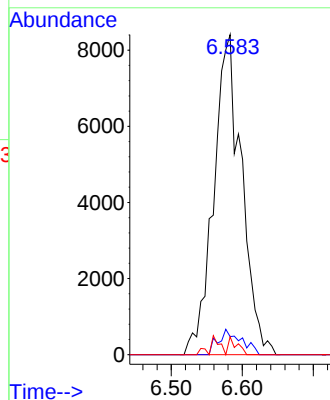
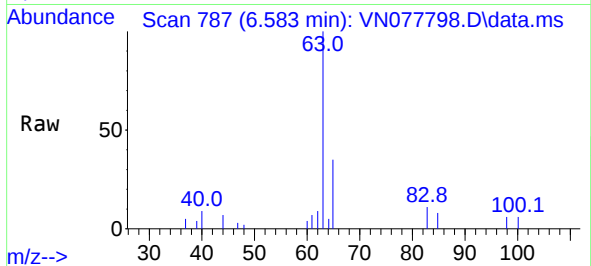




#24
1,1-Dichloroethane
Concen: 2.714 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

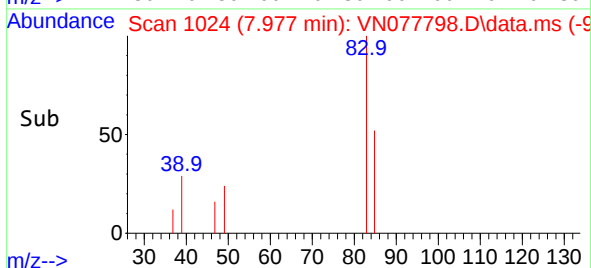
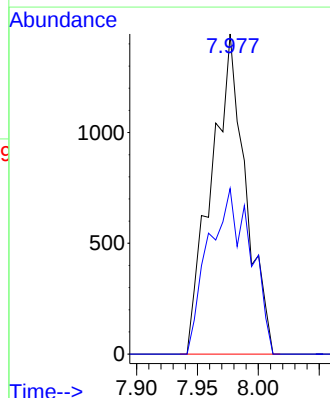
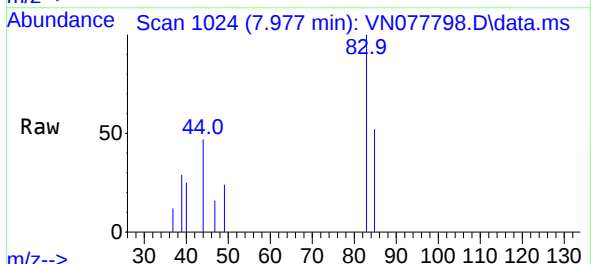
Instrument :
MSVOA_N
ClientSampleId :
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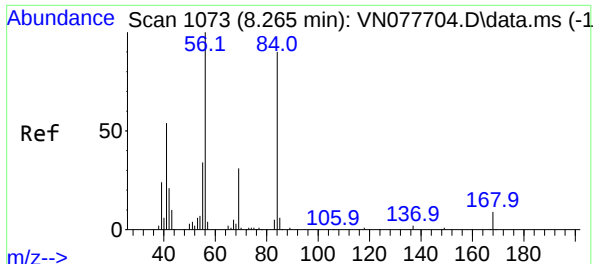
Tgt Ion: 63 Resp: 23031
Ion Ratio Lower Upper
63 100
98 5.7 3.9 11.7
100 5.6 2.5 7.4



#30
Chloroform
Concen: 0.303 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

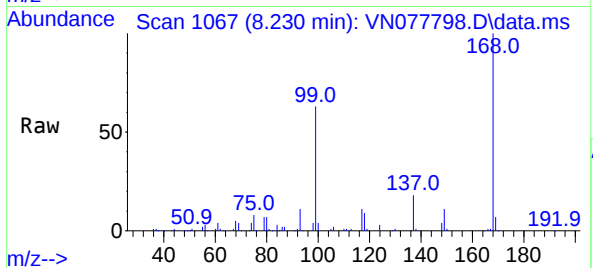
Tgt Ion: 83 Resp: 2826
Ion Ratio Lower Upper
83 100
85 51.7 55.4 83.0#



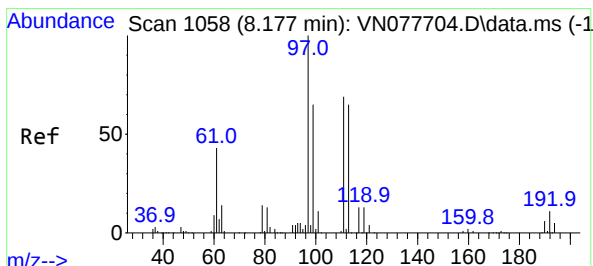
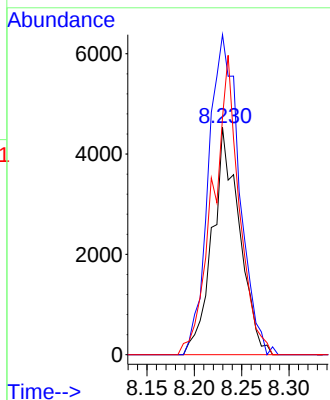
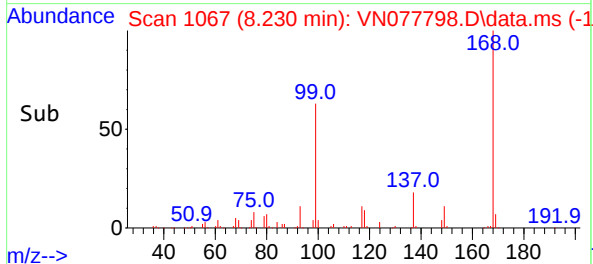


#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

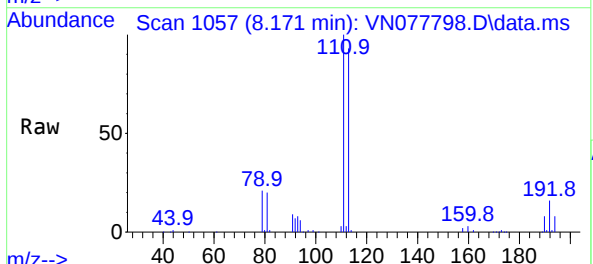
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MSVOA_N
ClientSampleId :
TT161S1-20230519



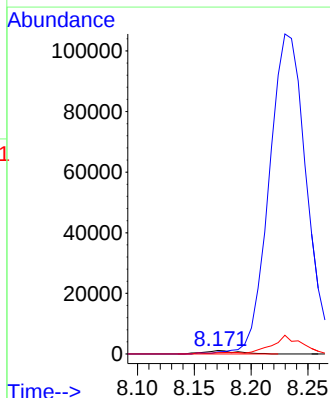
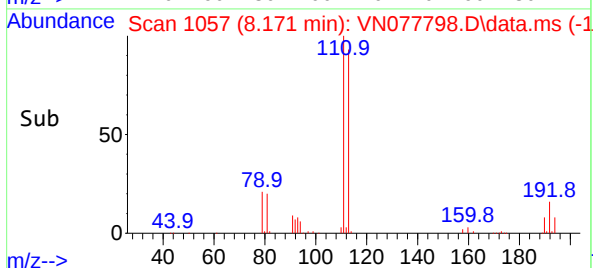
Tgt Ion: 56 Resp: 9016
Ion Ratio Lower Upper
56 100
69 140.7 26.8 40.2#
84 104.4 81.8 122.6

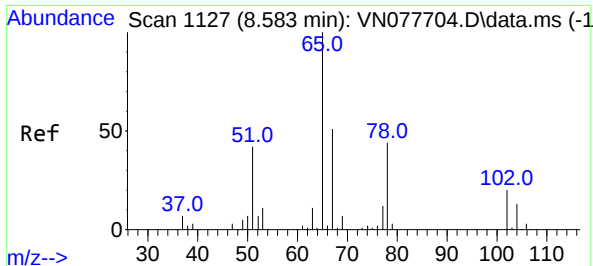


#32
1,1,1-Trichloroethane
Concen: 0.286 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41



Tgt Ion: 97 Resp: 2273
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 48.0 34.7 52.1

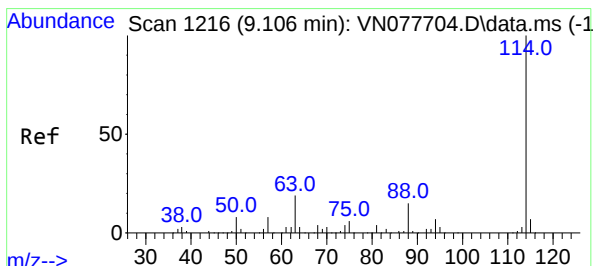
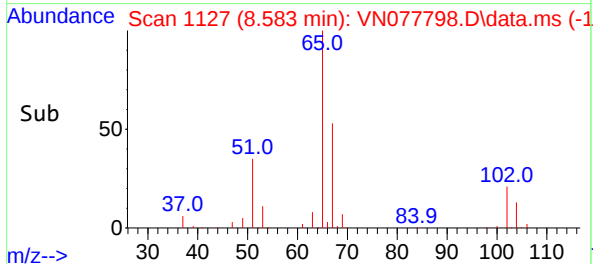
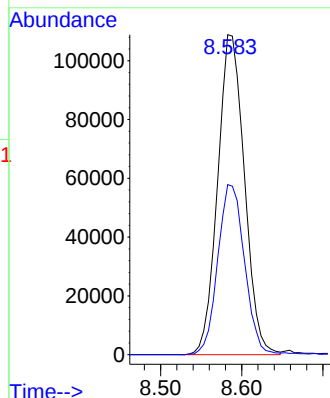
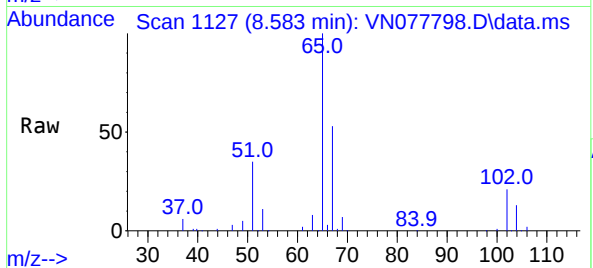




#33
1,2-Dichloroethane-d4
Concen: 43.622 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

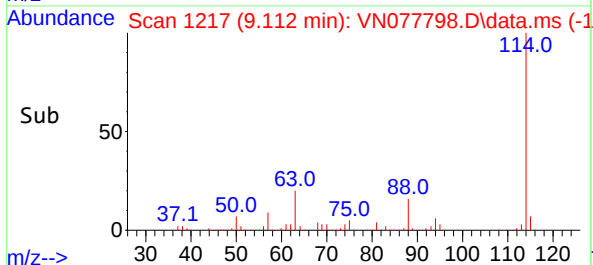
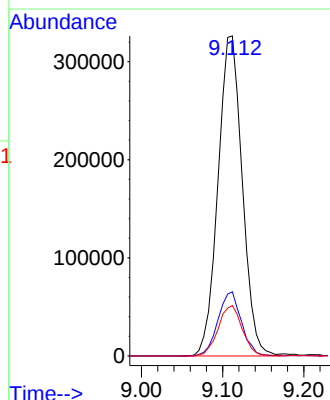
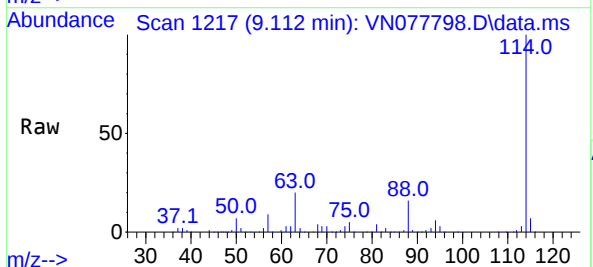
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TT161S1-20230519

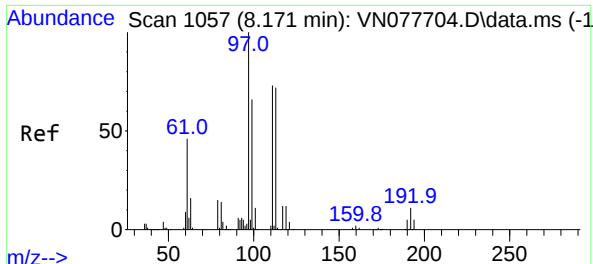
Tgt Ion: 65 Resp: 249592
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 114 Resp: 678424
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.806 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

Instrument :

MSVOA_N

ClientSampleId :

TT161S1-20230519

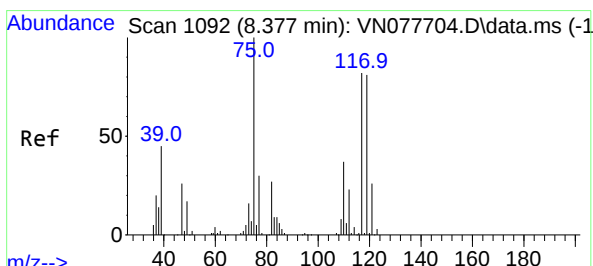
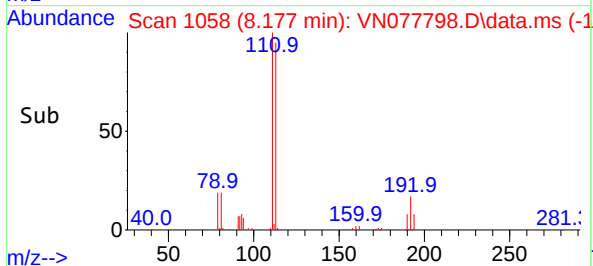
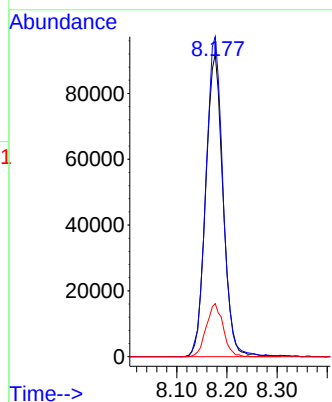
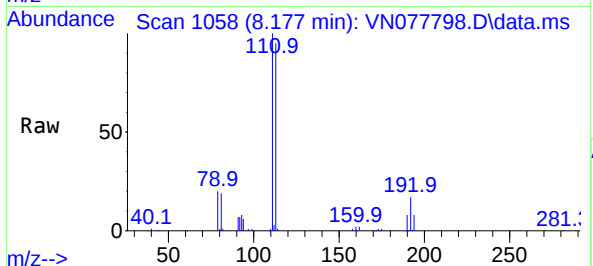
Tgt Ion:113 Resp: 220340

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VN077798.D

Acq: 22 May 2023 18:41

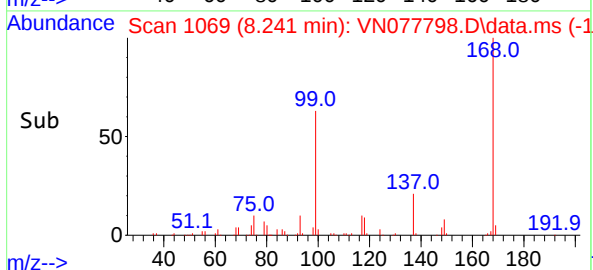
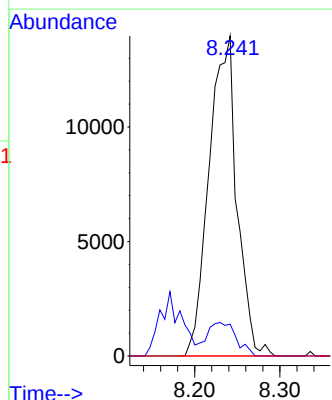
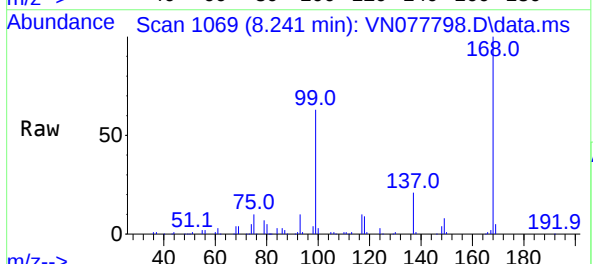
Tgt Ion: 75 Resp: 31733

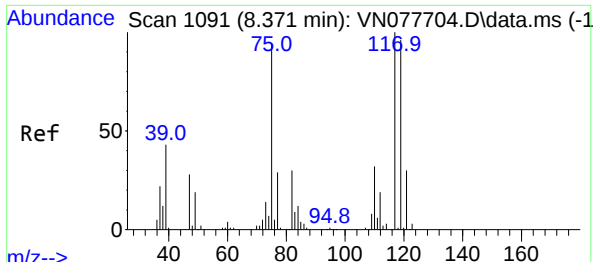
Ion Ratio Lower Upper

75 100

110 10.6 19.1 57.3#

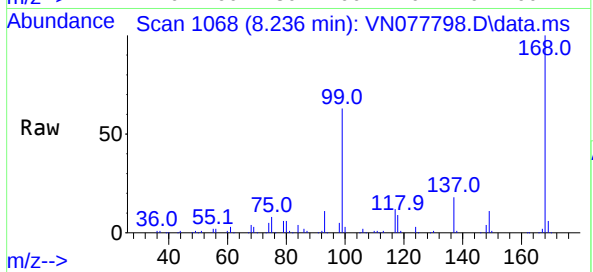
77 0.0 25.0 37.4#



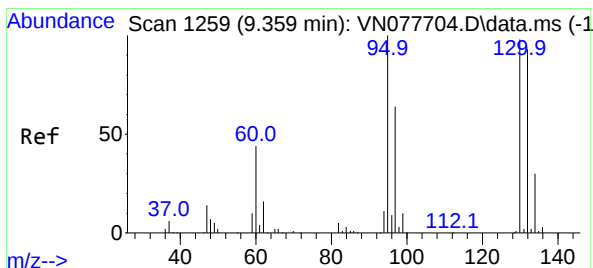
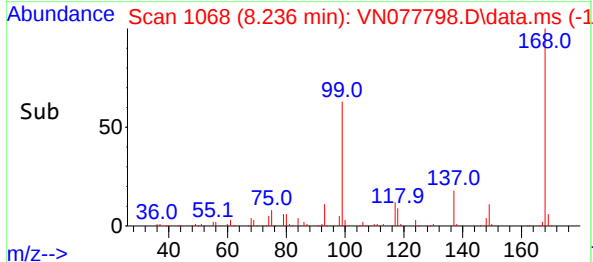
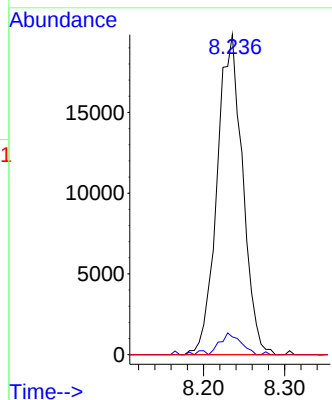


#38
Carbon Tetrachloride
Concen: 6.631 ug/l
RT: 8.236 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

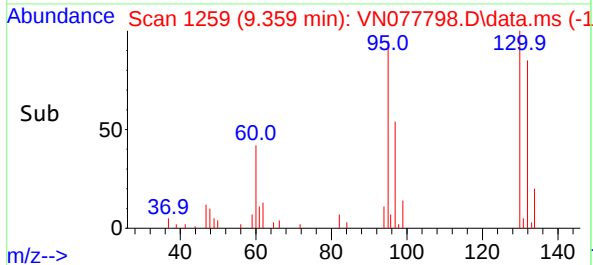
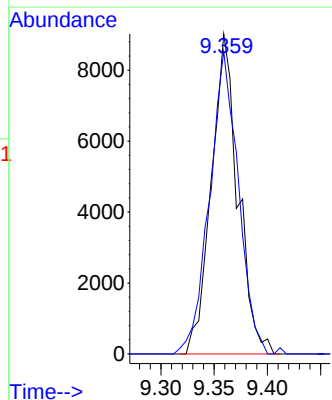
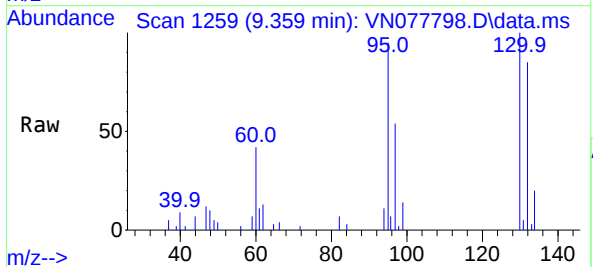


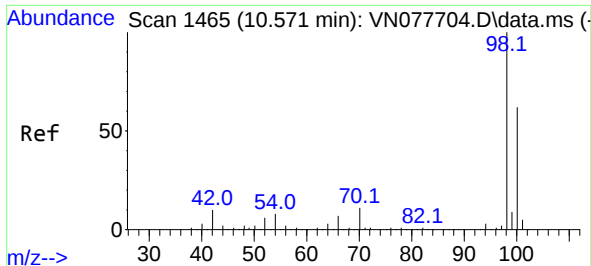
Tgt Ion:117 Resp: 43325
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 3.249 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion:130 Resp: 15708
Ion Ratio Lower Upper
130 100
95 92.9 0.0 204.6

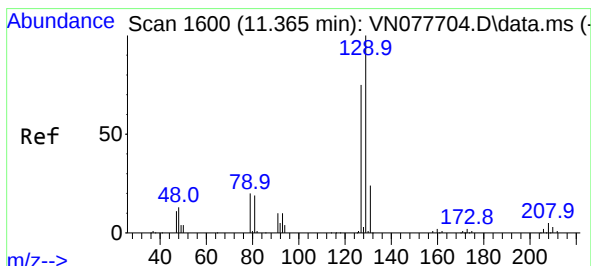
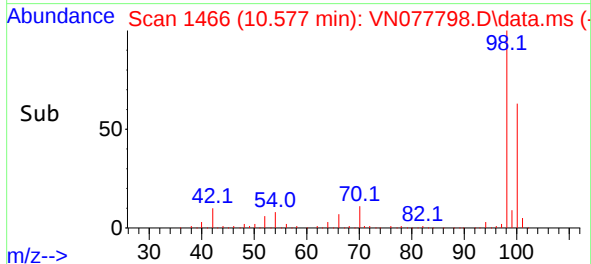
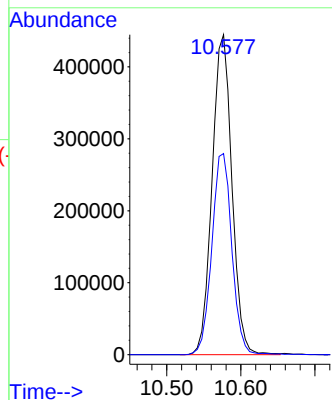
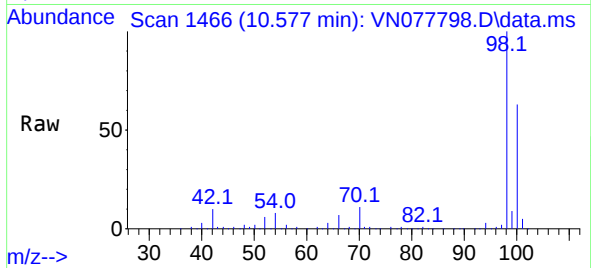




#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

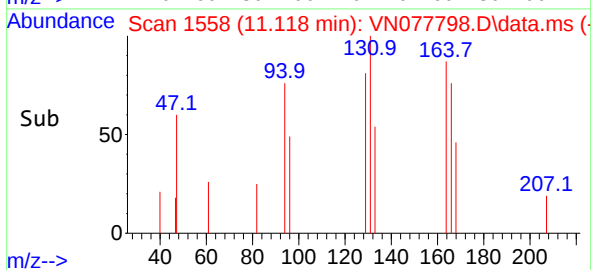
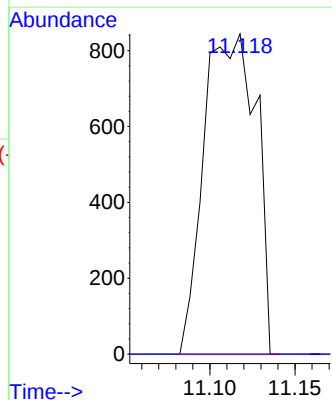
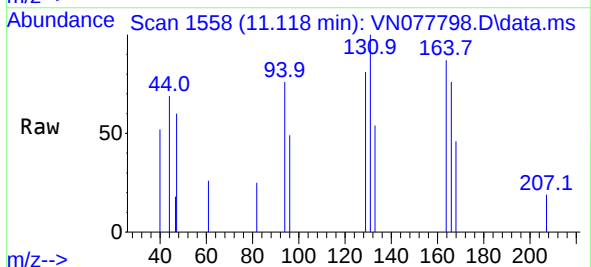
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

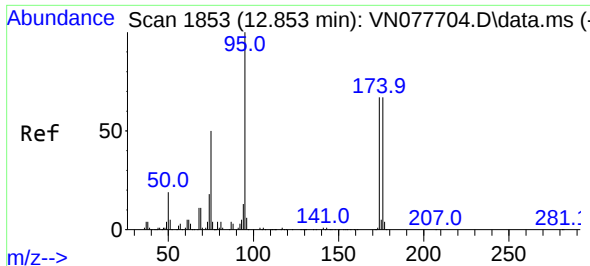
Tgt Ion: 98 Resp: 826180
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#60
Dibromochloromethane
Concen: 0.369 ug/l
RT: 11.118 min Scan# 1558
Delta R.T. -0.247 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Tgt Ion: 129 Resp: 1797
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

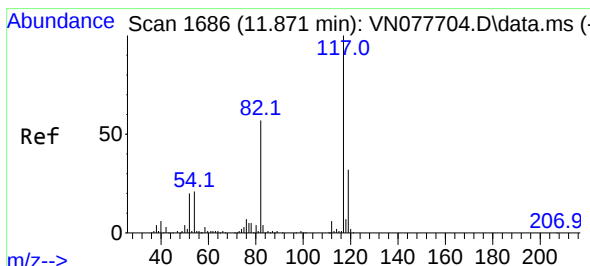
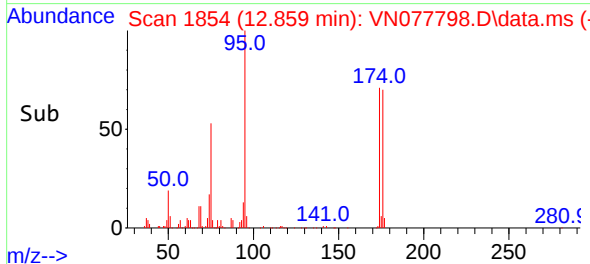
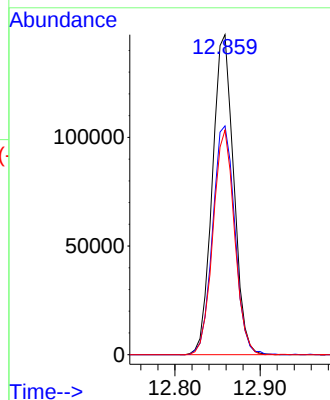
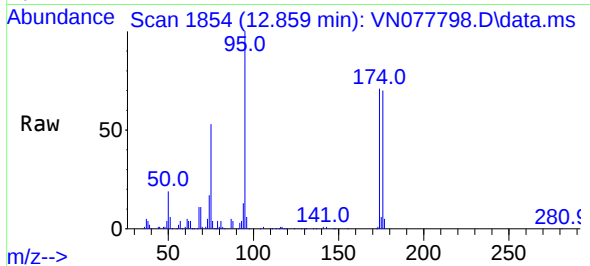




#62
4-Bromofluorobenzene
Concen: 42.530 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

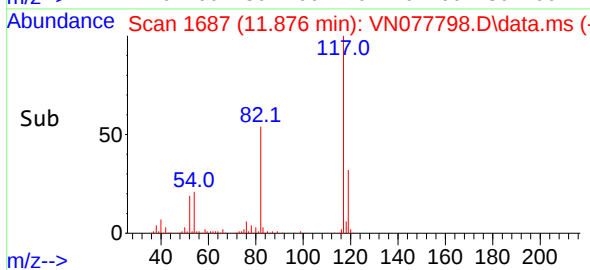
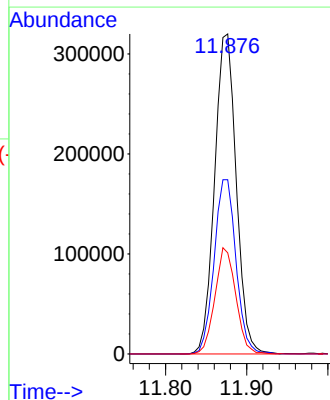
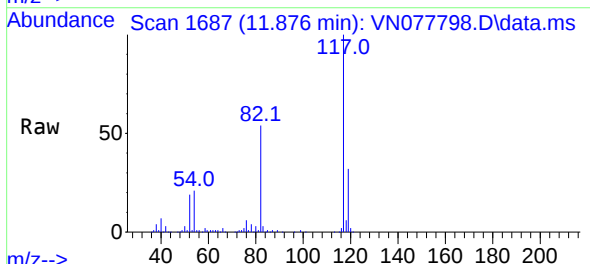
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

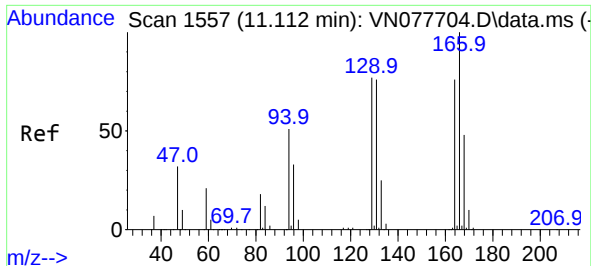
Tgt Ion: 95 Resp: 255772
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 70.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

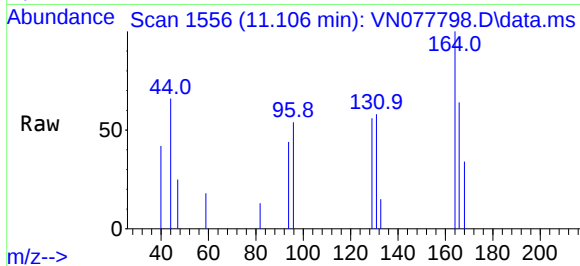
Tgt Ion: 117 Resp: 593804
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 31.6 25.6 38.4



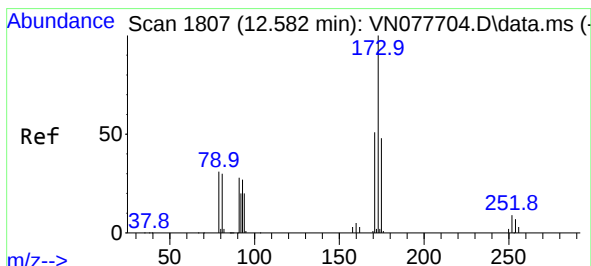
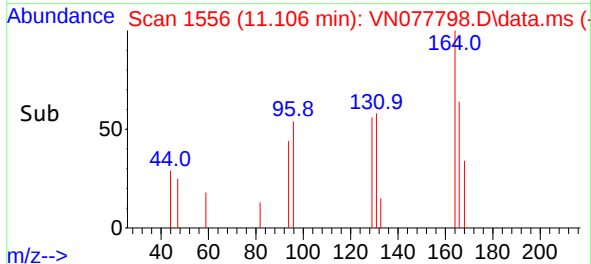
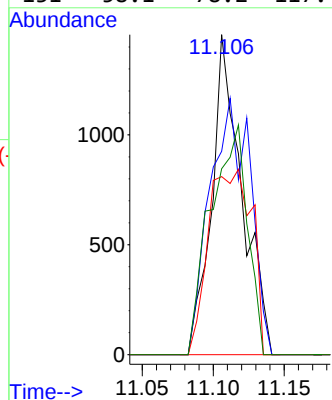


#64
Tetrachloroethene
Concen: 0.517 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

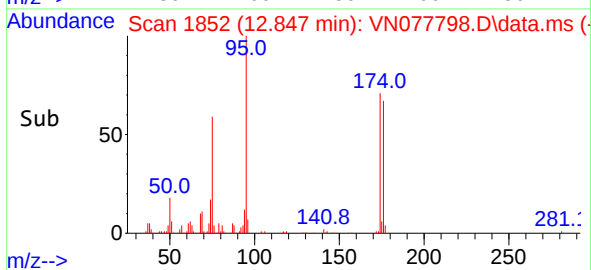
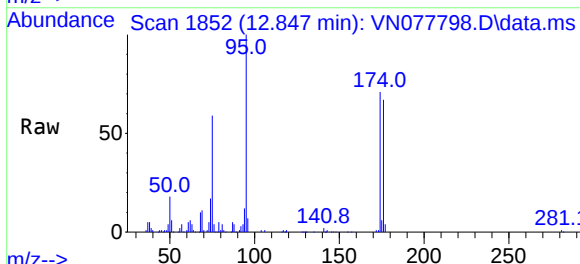
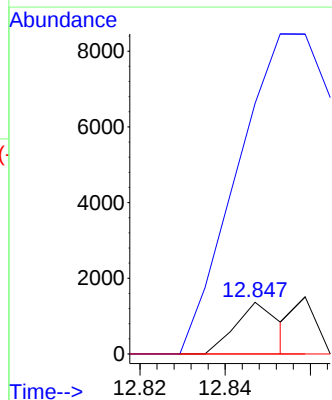


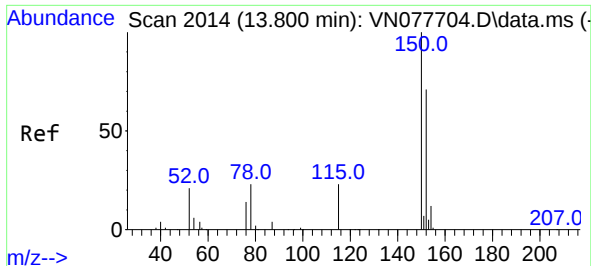
Tgt Ion:164 Resp: 2146
Ion Ratio Lower Upper
164 100
166 63.5 101.4 152.0#
129 55.6 82.4 123.6#
131 58.1 78.2 117.4#



#71
Bromoform
Concen: 0.332 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

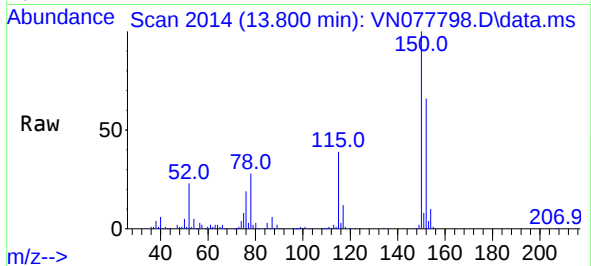
Tgt Ion:173 Resp: 985
Ion Ratio Lower Upper
173 100
175 1056.5 24.3 73.0#
254 0.0 0.0 0.0



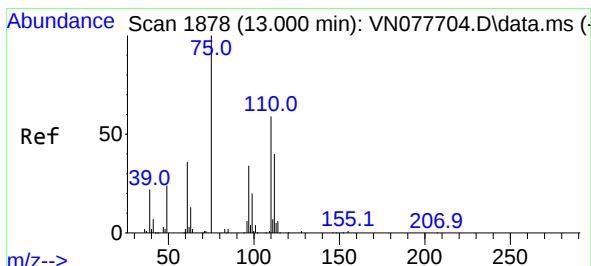
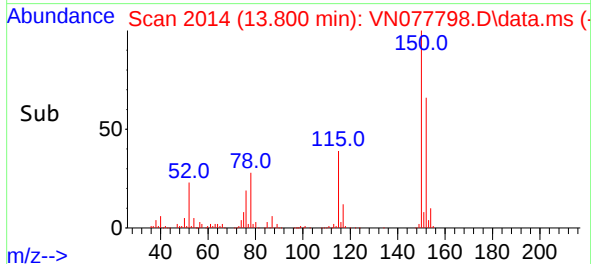
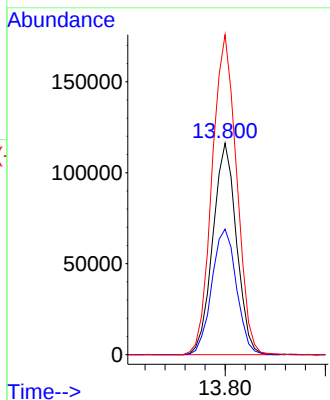


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

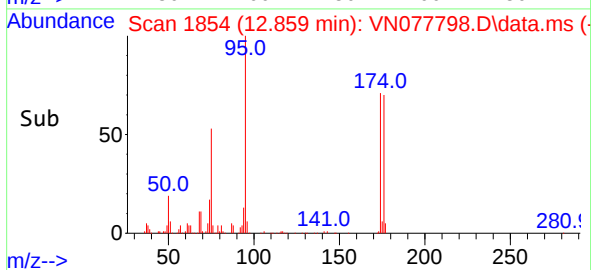
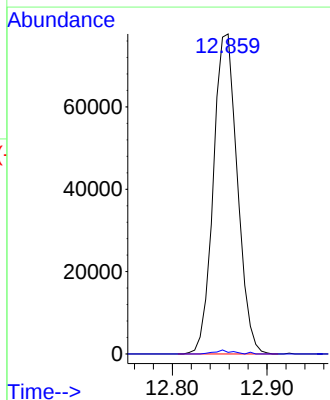
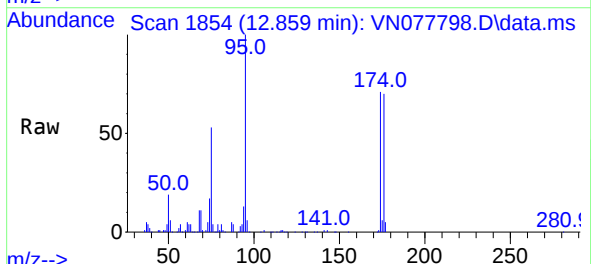


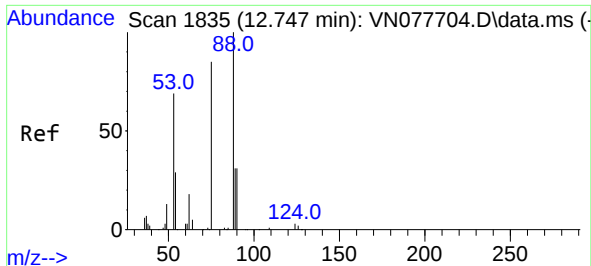
Tgt Ion:152 Resp: 190408
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 157.0 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 28.701 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077798.D
Acq: 22 May 2023 18:41

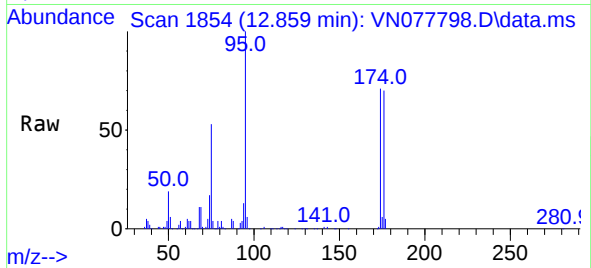
Tgt Ion: 75 Resp: 136862
Ion Ratio Lower Upper
75 100
77 0.8 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.744 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077798.D
 Acq: 22 May 2023 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230519



Tgt Ion: 75 Resp: 136862

Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.2	38.8	58.2#

