

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077053.D
 Acq On : 17 Mar 2023 23:26
 Operator : JC\MD
 Sample : 01941-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230314

Quant Time: Mar 18 02:37:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

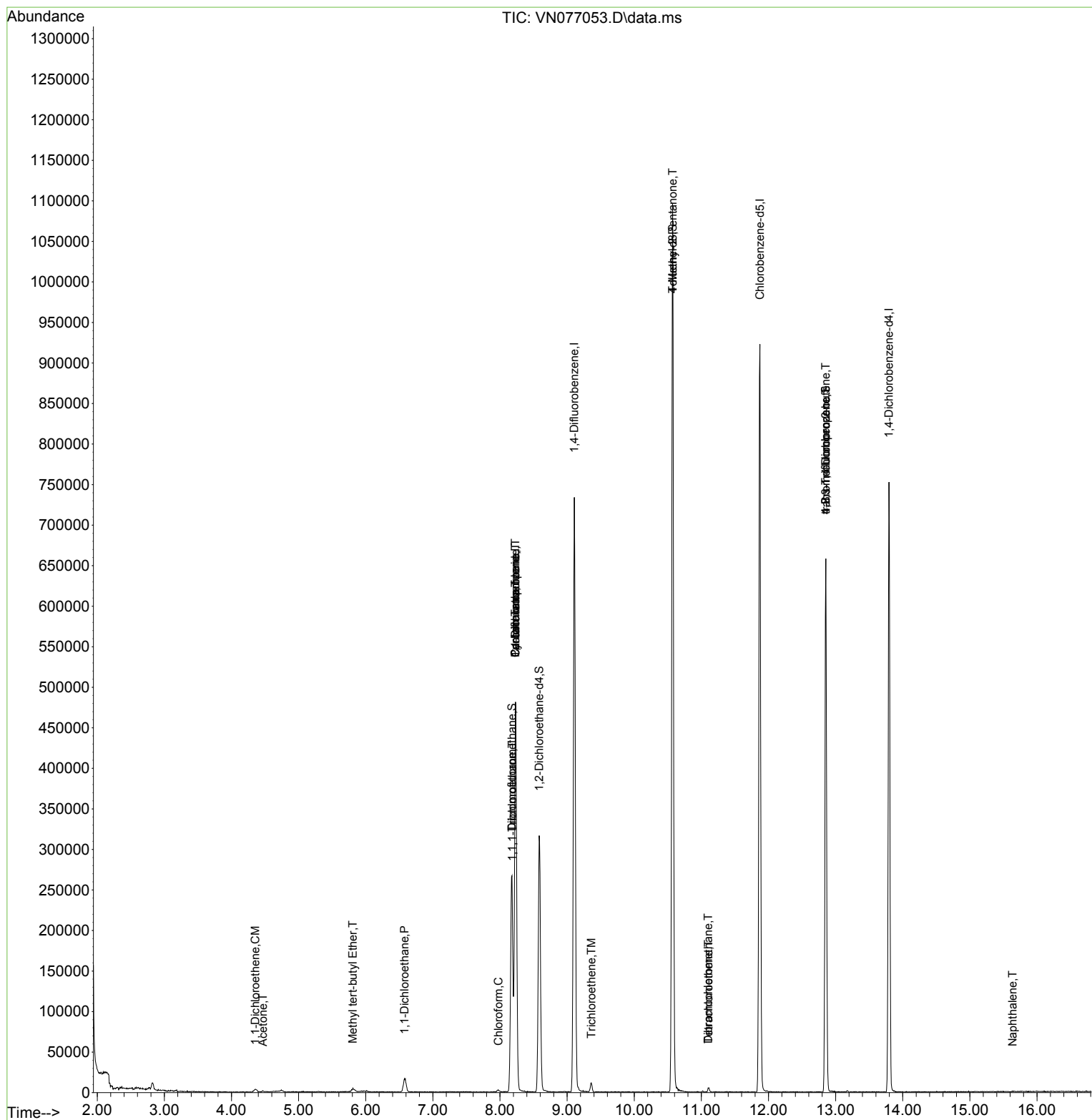
Internal Standards						
1) Pentafluorobenzene	8.231	168	324788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	592046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	516621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	188147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	266530	51.375	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.760%			
35) Dibromofluoromethane	8.178	113	195028	47.038	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.080%			
50) Toluene-d8	10.572	98	727449	49.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.854	95	227235	43.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.840%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.354	96	2359	0.598	ug/l #	59
16) Acetone	4.466	43	1043	0.451	ug/l #	81
19) Methyl tert-butyl Ether	5.807	73	5426	0.383	ug/l	94
24) 1,1-Dichloroethane	6.578	63	24640	2.722	ug/l	96
30) Chloroform	7.978	83	2543	0.289	ug/l	87
31) Cyclohexane	8.231	56	9270	1.092	ug/l #	1
32) 1,1,1-Trichloroethane	8.184	97	2196	0.292	ug/l #	40
36) 1,1-Dichloropropene	8.231	75	30676	4.737	ug/l #	51
38) Carbon Tetrachloride	8.231	117	37112	5.883	ug/l #	17
44) Trichloroethene	9.360	130	3979	0.882	ug/l	86
51) 4-Methyl-2-Pentanone	10.572	43	3829	0.568	ug/l #	1
60) Dibromochloromethane	11.101	129	1207	0.260	ug/l #	11
64) Tetrachloroethene	11.107	164	1111	0.320	ug/l #	85
76) 1,2,3-Trichloropropane	12.854	75	121993	25.067	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	121993	68.998	ug/l #	10
95) Naphthalene	15.636	128	390	1.942	ug/l #	70

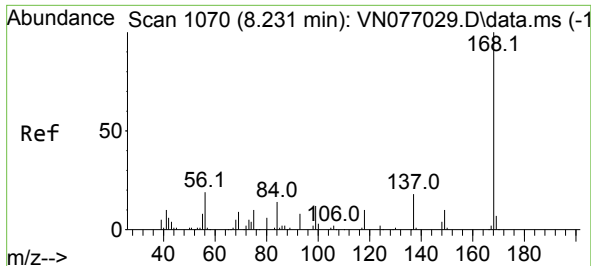
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 02:37:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 18 02:17:37 2023
Response via : Initial Calibration

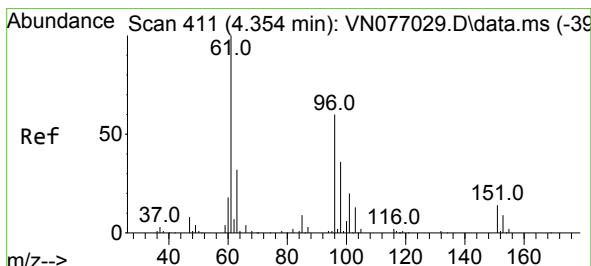
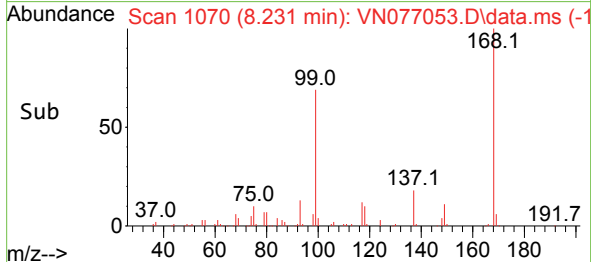
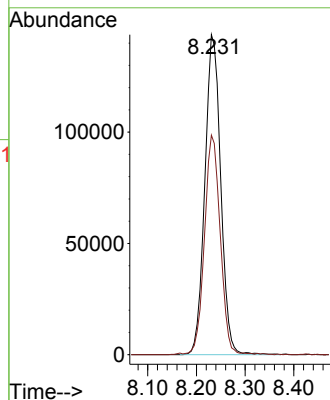
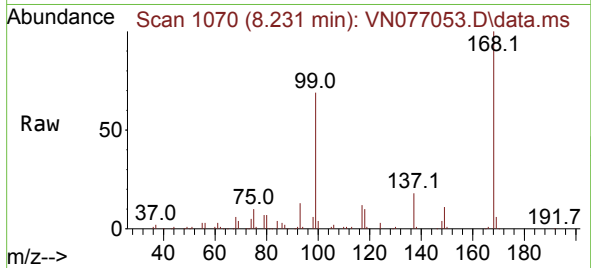




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

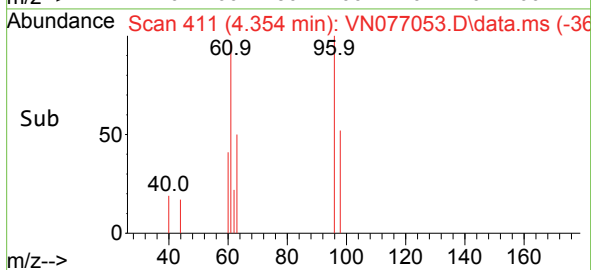
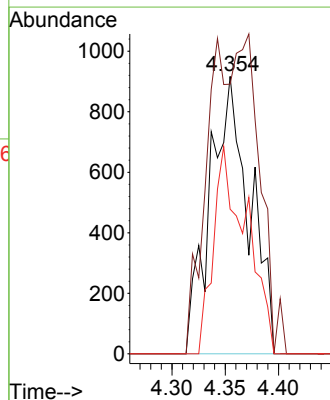
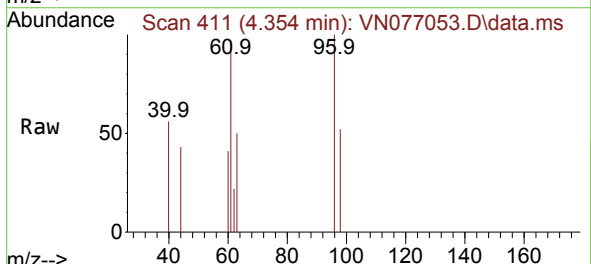
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

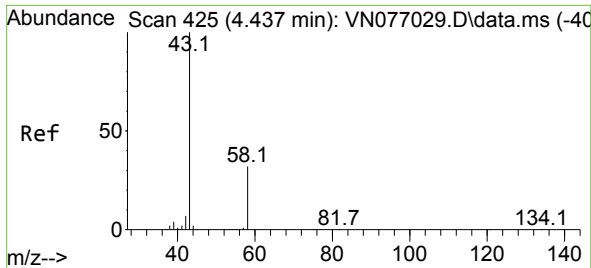
Tgt Ion:168 Resp: 324788
Ion Ratio Lower Upper
168 100
99 68.5 53.9 80.9



#12
1,1-Dichloroethene
Concen: 0.598 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 96 Resp: 2359
Ion Ratio Lower Upper
96 100
61 97.2 133.8 200.8#
98 52.1 48.6 72.8





#16

Acetone

Concen: 0.451 ug/l

RT: 4.466 min Scan# 41

Delta R.T. 0.030 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

Instrument :

MSVOA_N

ClientSampleId :

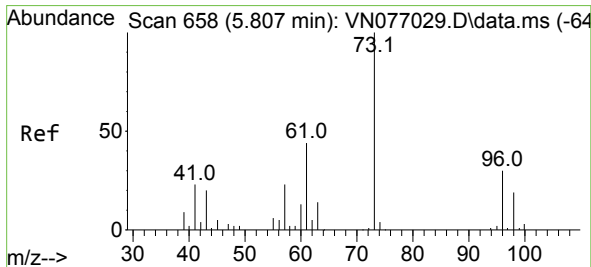
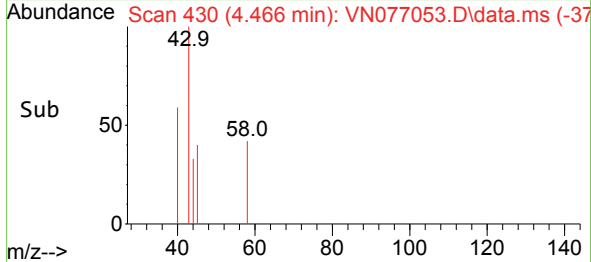
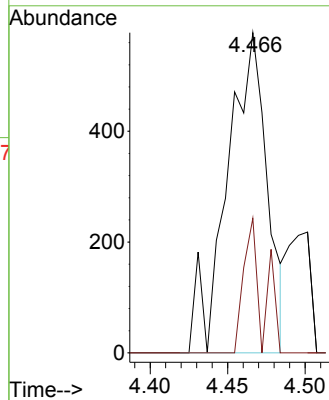
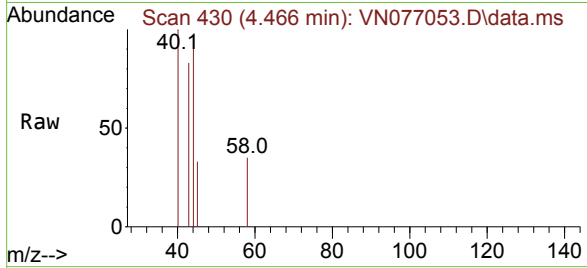
TT161S1-20230314

Tgt Ion: 43 Resp: 1043

Ion Ratio Lower Upper

43 100

58 42.0 25.4 38.0#



#19

Methyl tert-butyl Ether

Concen: 0.383 ug/l

RT: 5.807 min Scan# 658

Delta R.T. 0.000 min

Lab File: VN077053.D

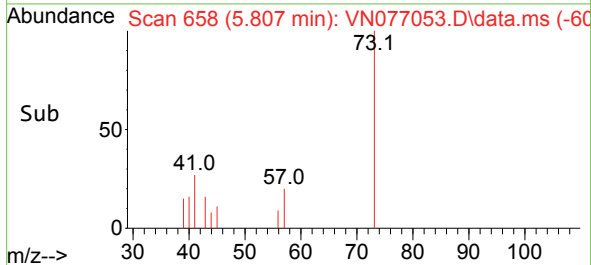
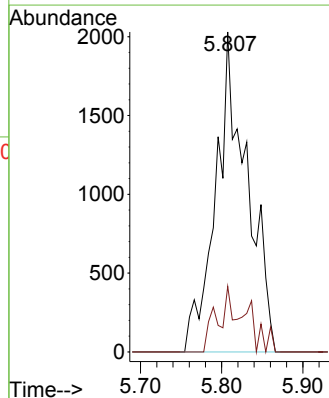
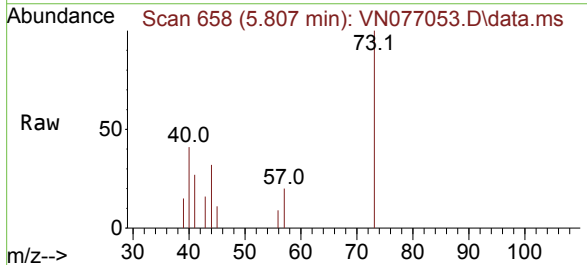
Acq: 17 Mar 2023 23:26

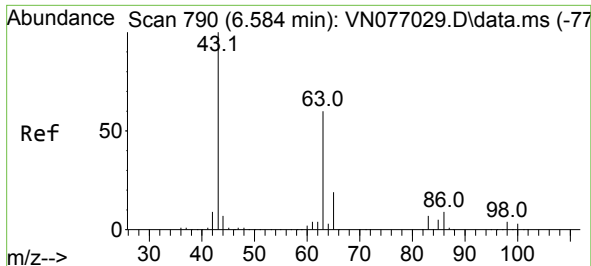
Tgt Ion: 73 Resp: 5426

Ion Ratio Lower Upper

73 100

57 20.5 18.7 28.1

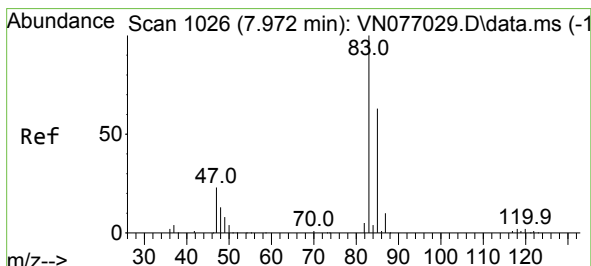
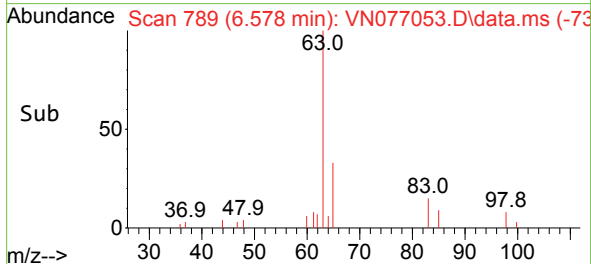
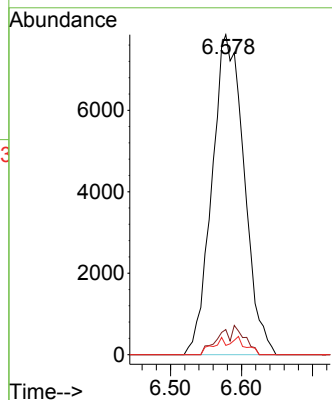
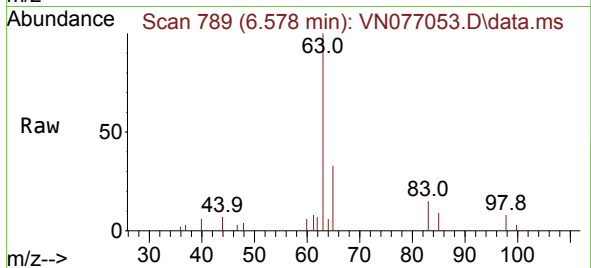




#24
1,1-Dichloroethane
Concen: 2.722 ug/l
RT: 6.578 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

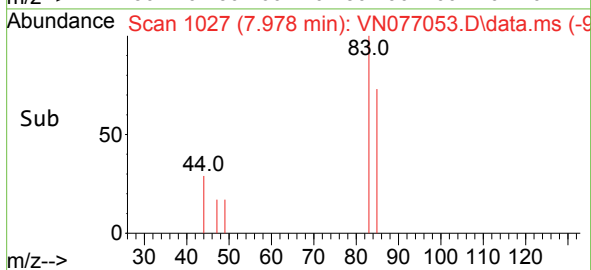
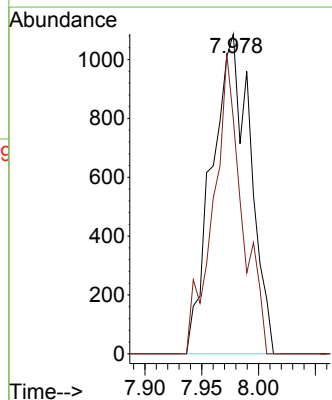
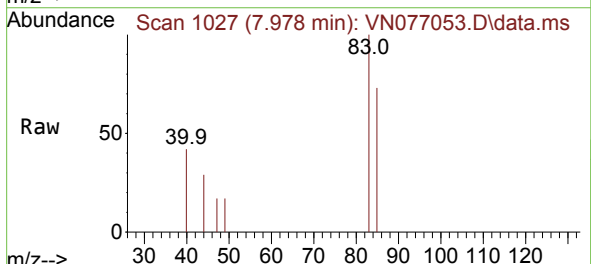
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

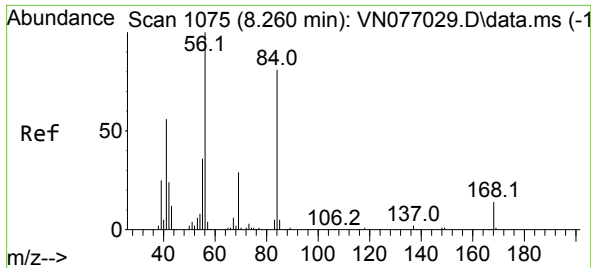
Tgt Ion: 63 Resp: 24640
Ion Ratio Lower Upper
63 100
98 7.9 3.1 9.4
100 2.9 2.1 6.3



#30
Chloroform
Concen: 0.289 ug/l
RT: 7.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

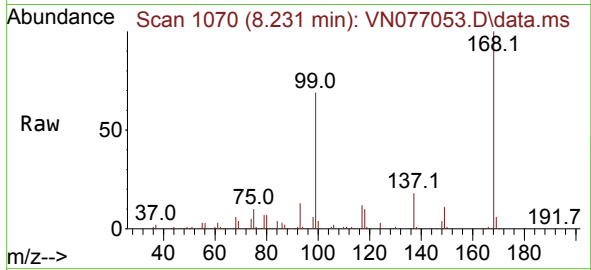
Tgt Ion: 83 Resp: 2543
Ion Ratio Lower Upper
83 100
85 73.4 50.6 75.8



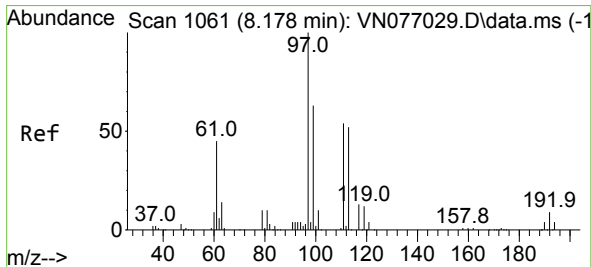
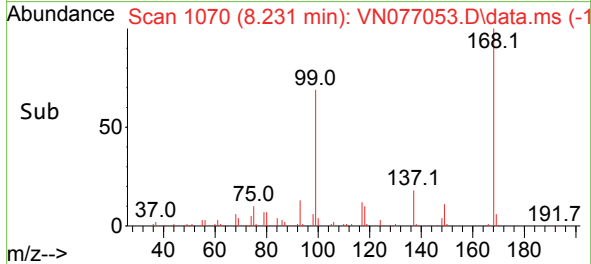
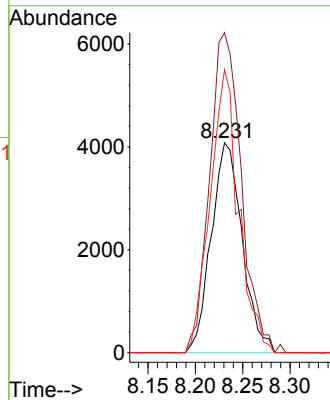


#31
Cyclohexane
Concen: 1.092 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

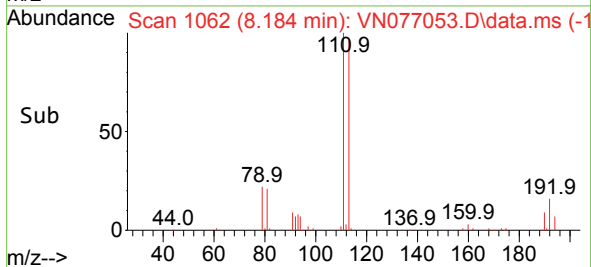
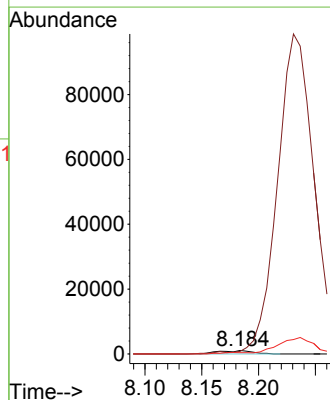
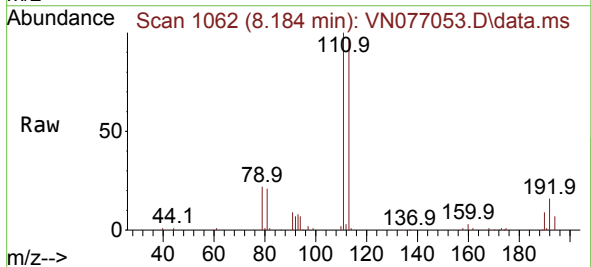


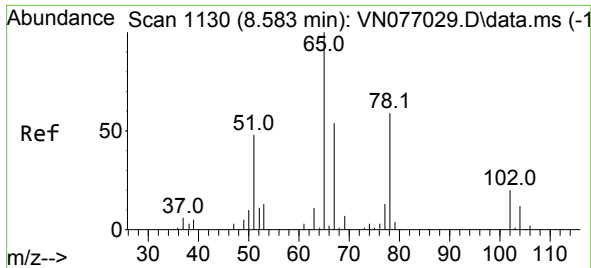
Tgt Ion: 56 Resp: 9270
Ion Ratio Lower Upper
56 100
69 152.5 22.8 34.2#
84 134.9 64.7 97.1#



#32
1,1,1-Trichloroethane
Concen: 0.292 ug/l
RT: 8.184 min Scan# 1062
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 97 Resp: 2196
Ion Ratio Lower Upper
97 100
99 0.0 50.2 75.2#
61 26.6 39.0 58.6#

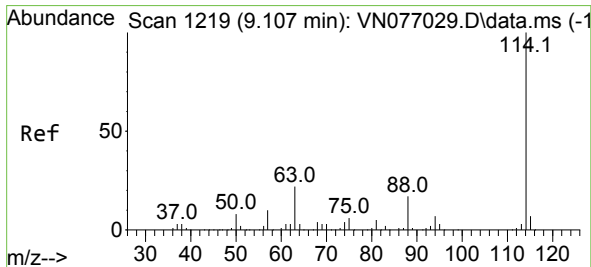
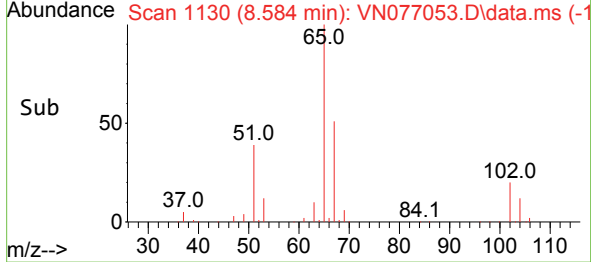
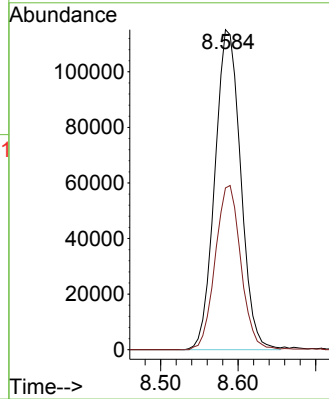
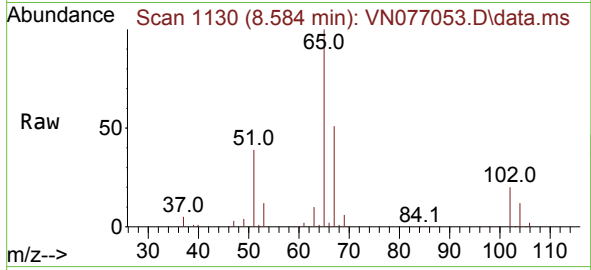




#33
 1,2-Dichloroethane-d4
 Concen: 51.375 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VN077053.D
 Acq: 17 Mar 2023 23:26

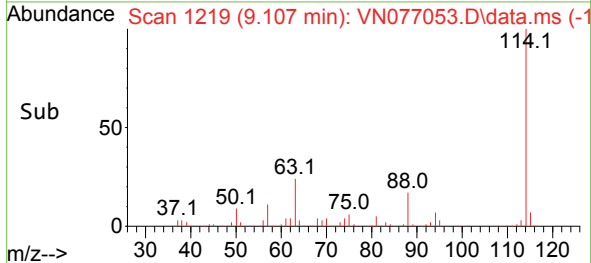
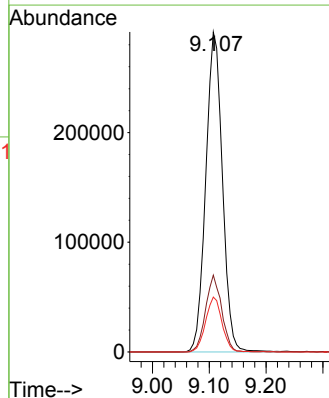
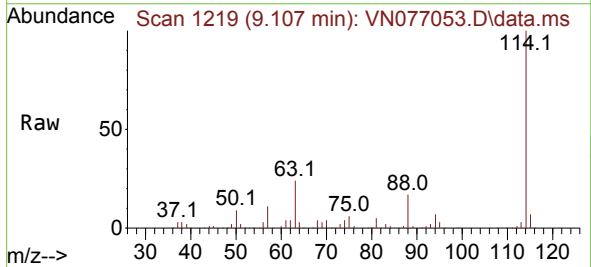
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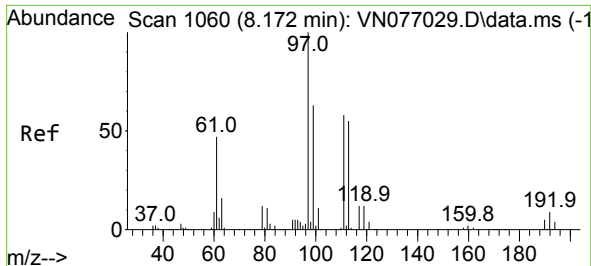
Tgt Ion: 65 Resp: 266530
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077053.D
 Acq: 17 Mar 2023 23:26

Tgt Ion: 114 Resp: 592046
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 44.6
 88 17.2 0.0 33.8

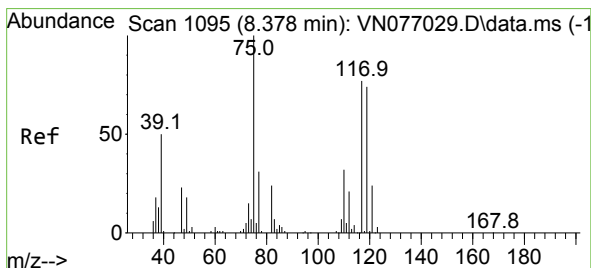
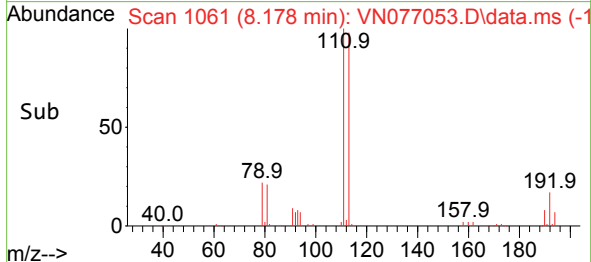
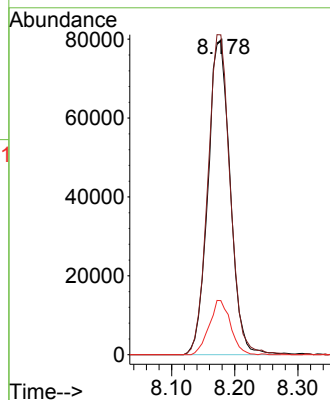
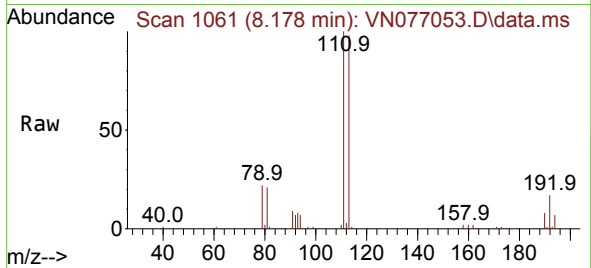




#35
Dibromofluoromethane
Concen: 47.038 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

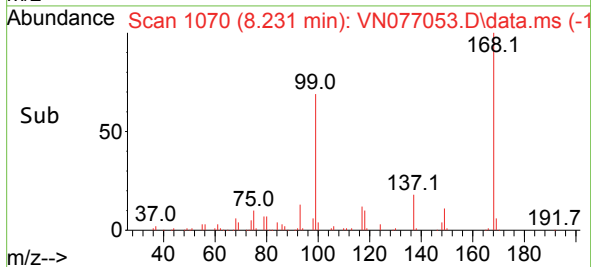
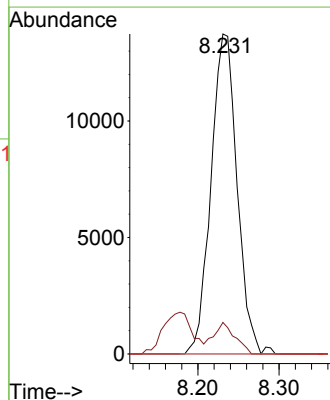
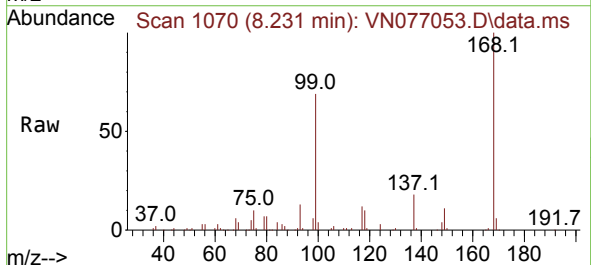
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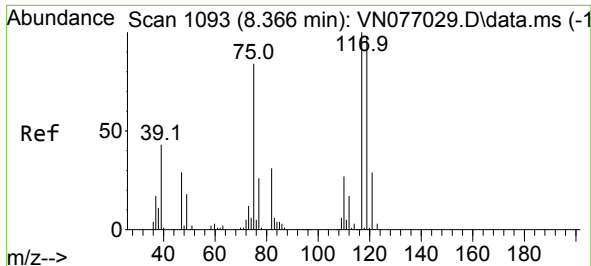
Tgt Ion:113 Resp: 195028
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 16.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

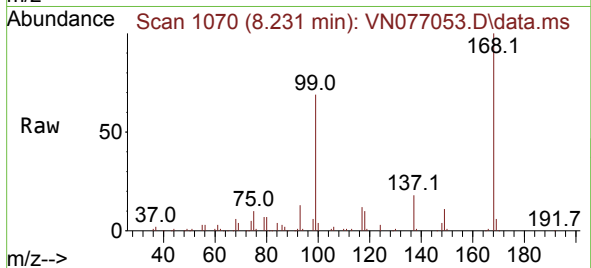
Tgt Ion: 75 Resp: 30676
Ion Ratio Lower Upper
75 100
110 8.1 15.9 47.7#
77 0.0 24.3 36.5#



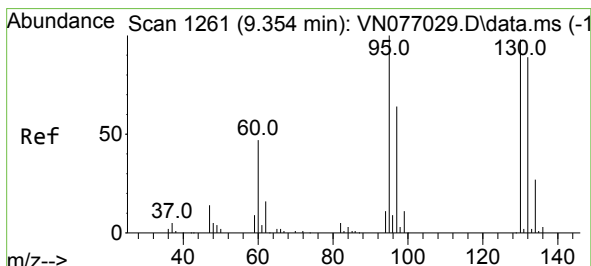
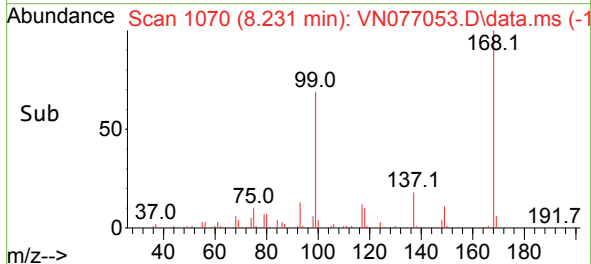
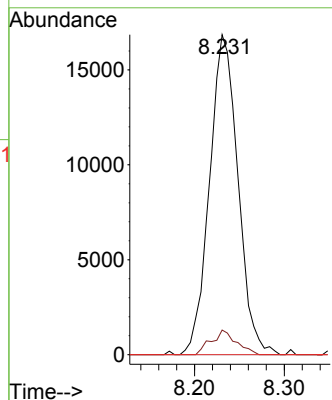


#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 8.231 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

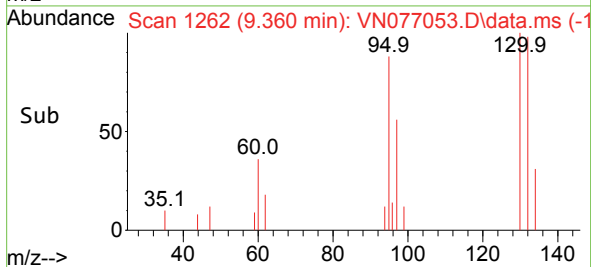
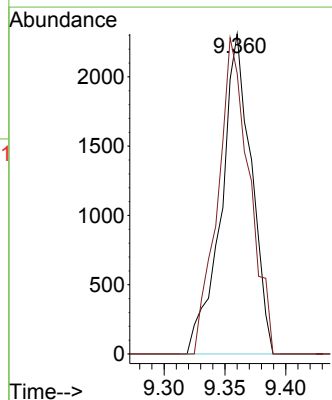
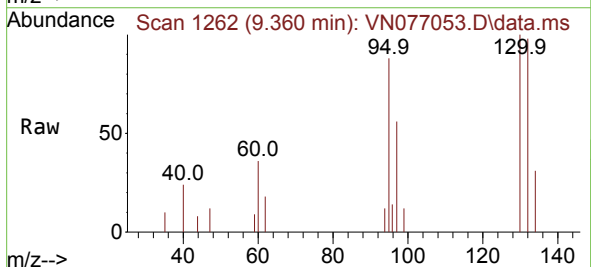


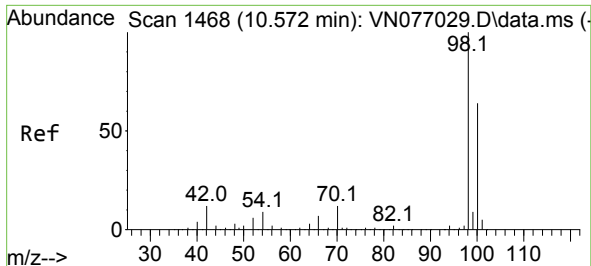
Tgt Ion:117 Resp: 37112
Ion Ratio Lower Upper
117 100
119 7.7 78.2 117.2#
121 0.0 23.2 34.8#



#44
Trichloroethene
Concen: 0.882 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion:130 Resp: 3979
Ion Ratio Lower Upper
130 100
95 87.7 0.0 204.4

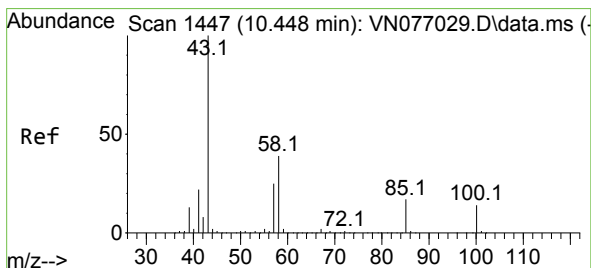
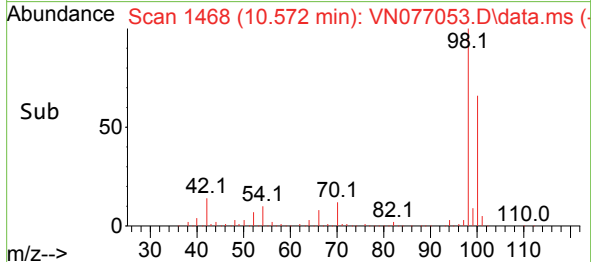
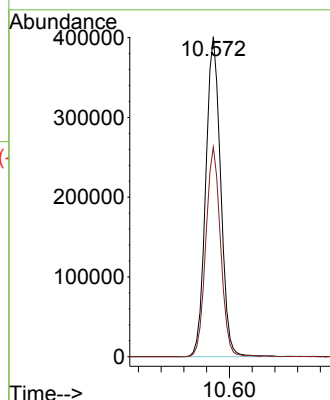
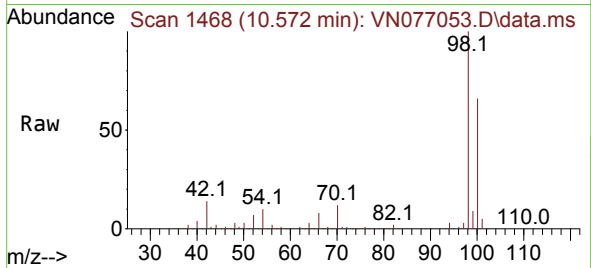




#50
Toluene-d8
Concen: 49.117 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

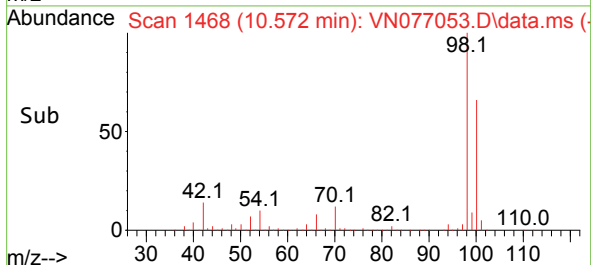
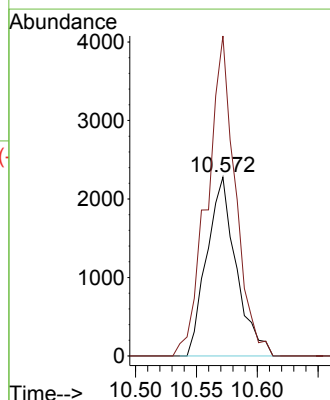
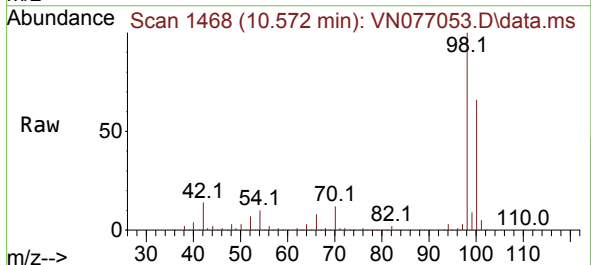
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

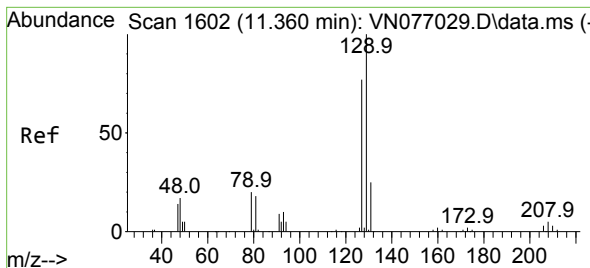
Tgt Ion: 98 Resp: 727449
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.124 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 43 Resp: 3829
Ion Ratio Lower Upper
43 100
58 172.4 31.1 46.7#





#60

Dibromochloromethane

Concen: 0.260 ug/l

RT: 11.101 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

Instrument :

MSVOA_N

ClientSampleId :

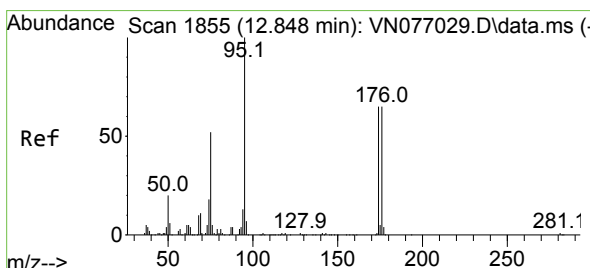
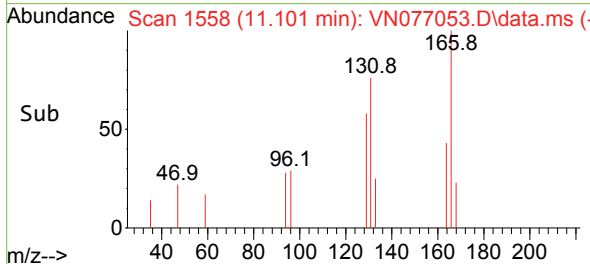
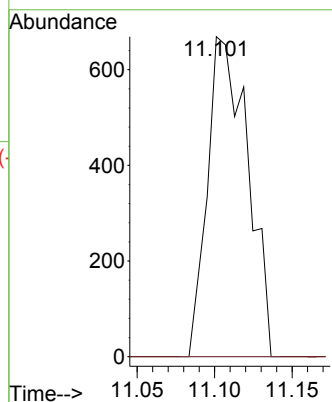
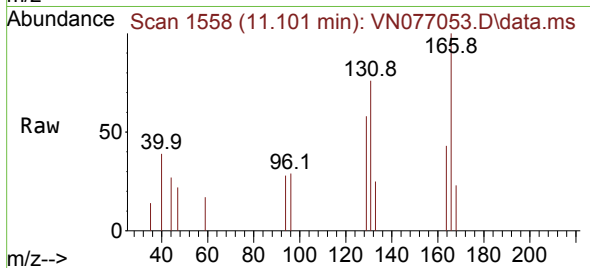
TT161S1-20230314

Tgt Ion:129 Resp: 1207

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



#62

4-Bromofluorobenzene

Concen: 43.419 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077053.D

Acq: 17 Mar 2023 23:26

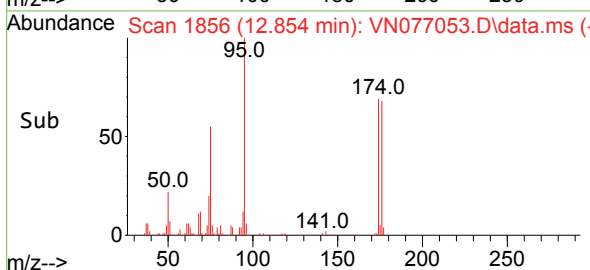
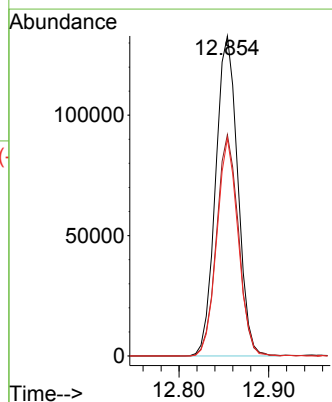
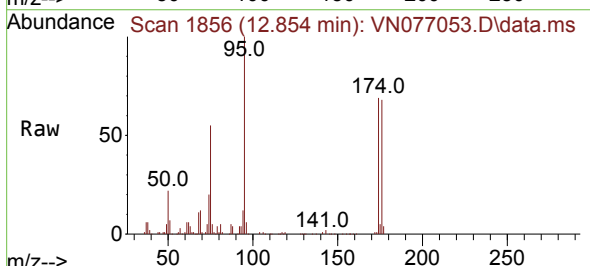
Tgt Ion: 95 Resp: 227235

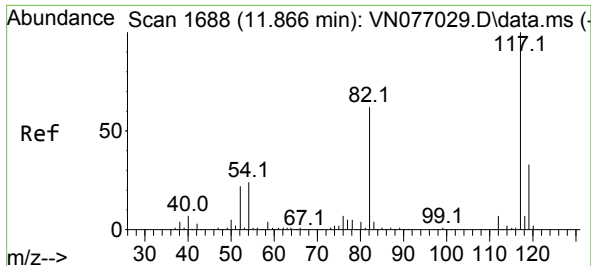
Ion Ratio Lower Upper

95 100

174 68.6 0.0 136.6

176 65.6 0.0 130.0

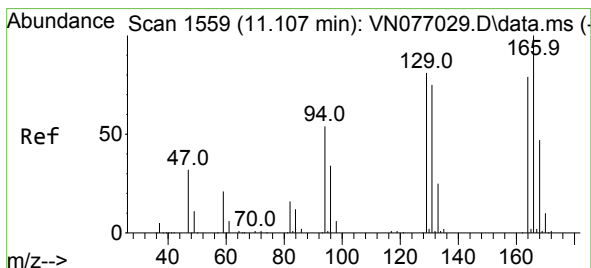
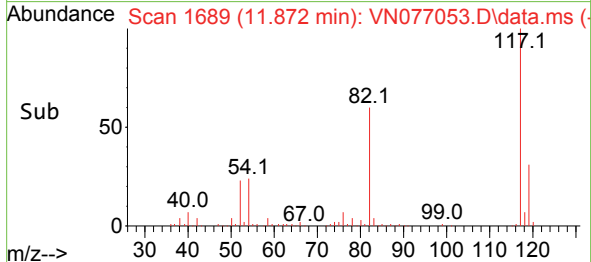
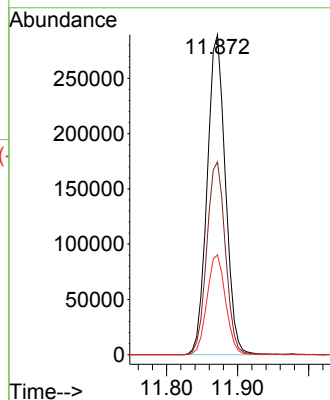
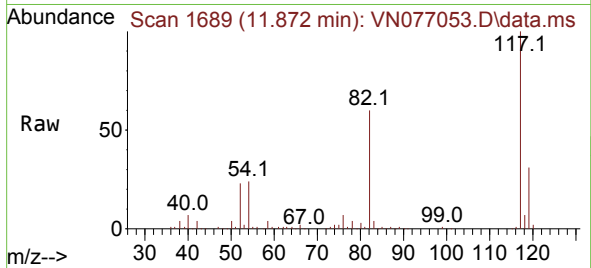




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

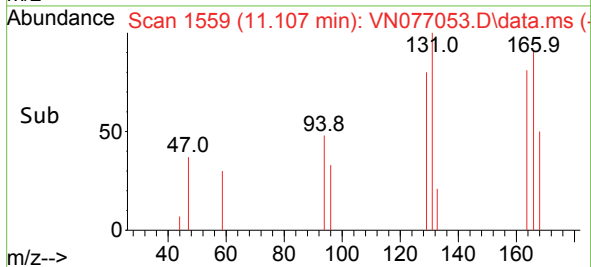
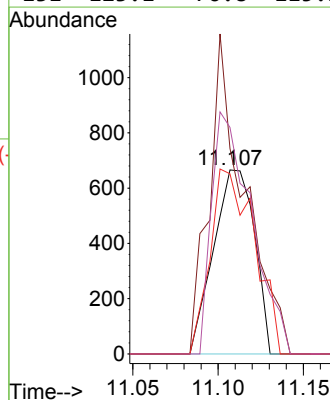
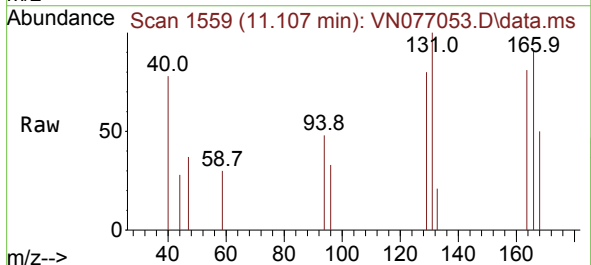
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

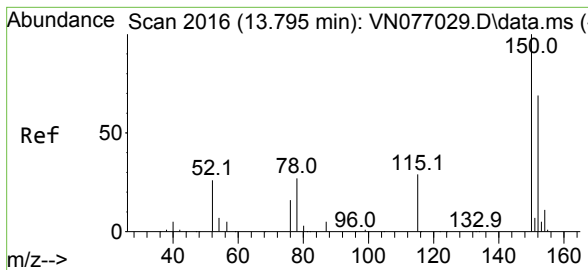
Tgt Ion:117 Resp: 516621
Ion Ratio Lower Upper
117 100
82 60.3 49.4 74.0
119 31.2 26.5 39.7



#64
Tetrachloroethene
Concen: 0.320 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion:164 Resp: 1111
Ion Ratio Lower Upper
164 100
166 111.7 101.9 152.9
129 97.9 82.6 123.8
131 123.1 76.8 115.2#

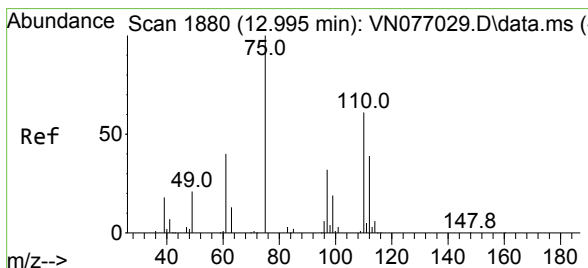
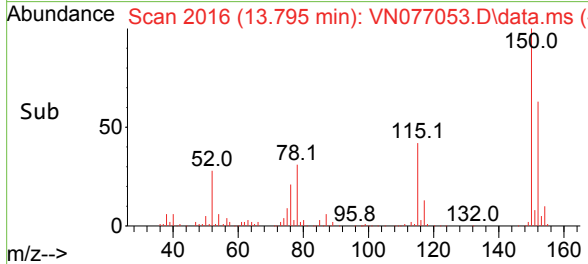
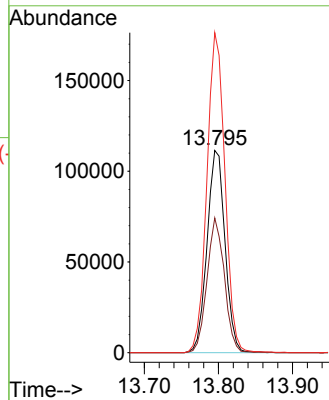
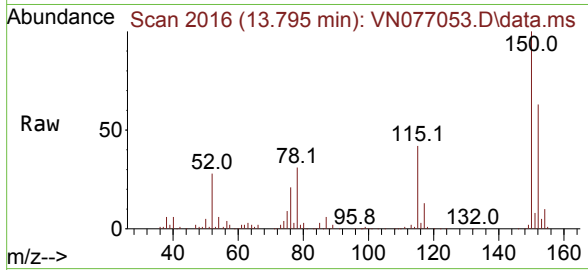




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN077053.D
 Acq: 17 Mar 2023 23:26

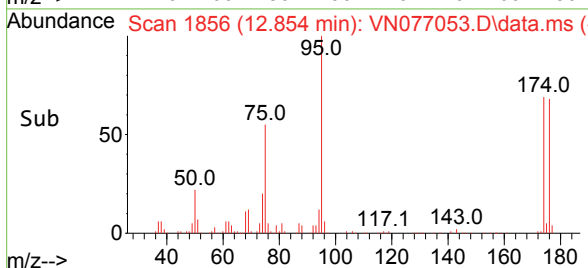
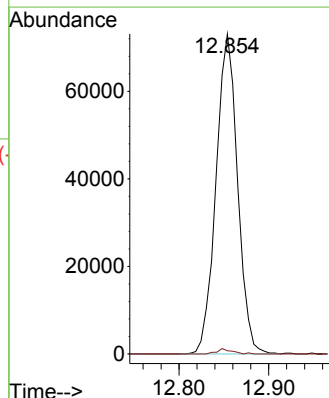
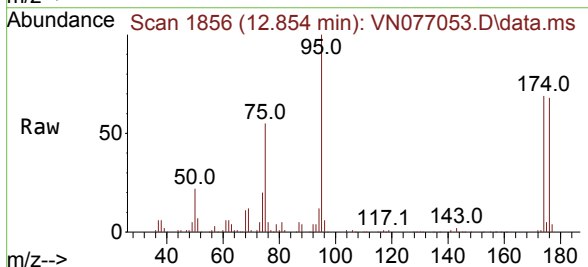
Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230314

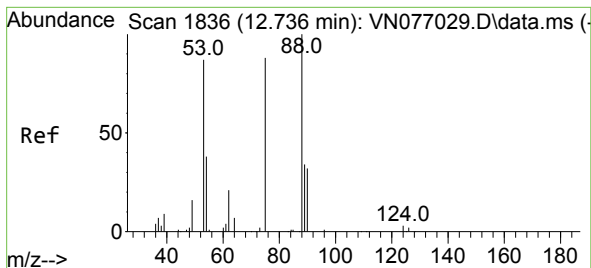
Tgt Ion:152 Resp: 188147
 Ion Ratio Lower Upper
 152 100
 115 64.4 31.9 95.7
 150 157.7 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 25.067 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077053.D
 Acq: 17 Mar 2023 23:26

Tgt Ion: 75 Resp: 121993
 Ion Ratio Lower Upper
 75 100
 77 1.2 107.3 322.0#

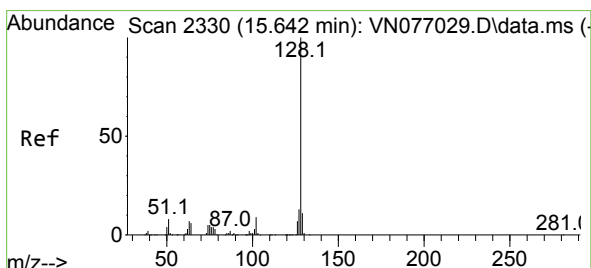
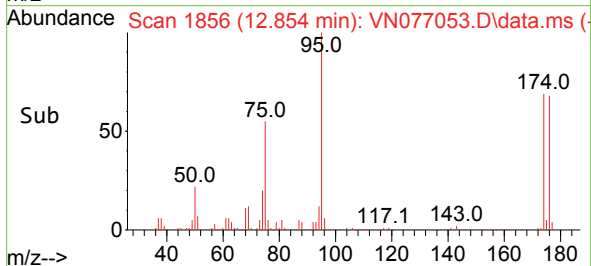
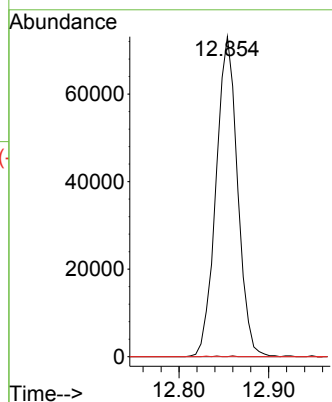
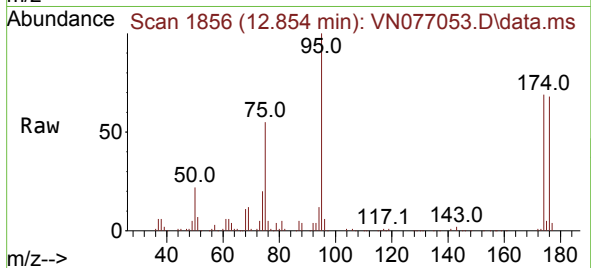




#81
trans-1,4-Dichloro-2-butene
Concen: 68.998 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230314

Tgt Ion: 75 Resp: 121993
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.942 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN077053.D
Acq: 17 Mar 2023 23:26

Tgt Ion: 128 Resp: 390
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

