

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077811.D
 Acq On : 23 May 2023 13:07
 Operator : JC\MD
 Sample : 02880-16DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230519DL

Quant Time: May 24 02:54:02 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)

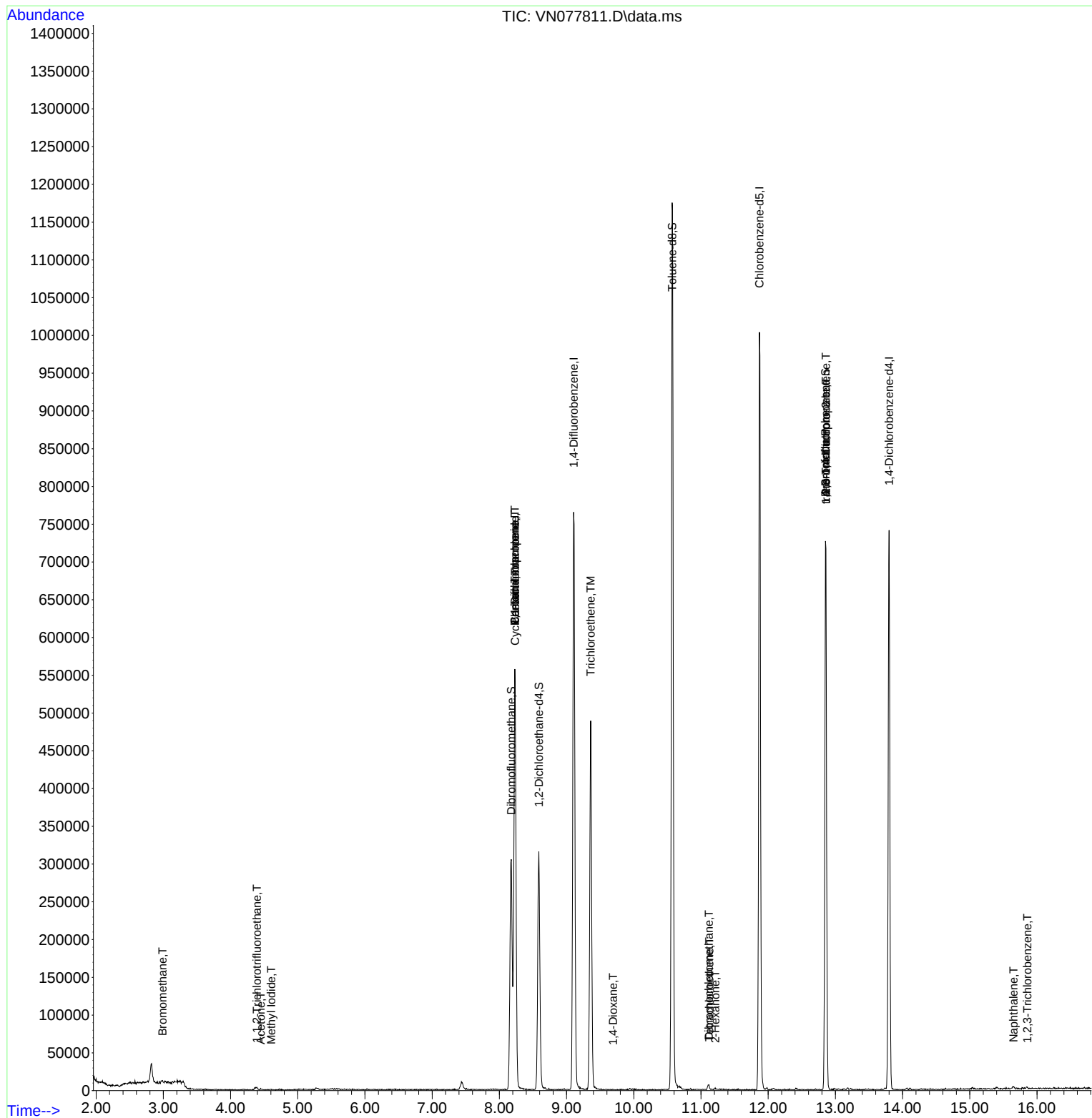
Internal Standards						
1) Pentafluorobenzene	8.229	168	397575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	606471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	203354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257630	43.308	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.620%
35) Dibromofluoromethane	8.177	113	225815	49.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	10.571	98	859399	48.878	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.853	95	272027	43.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	1091	Below Cal	#	42
5) Bromomethane	2.989	94	1679	0.398	ug/l #	38
9) 1,1,2-Trichlorotrifluo...	4.394	101	2472	0.562	ug/l #	33
10) Methyl Iodide	4.606	142	1307	0.249	ug/l #	83
13) Acrolein	4.194	56	348	Below Cal	#	67
16) Acetone	4.447	43	610	0.326	ug/l #	40
20) Methylene Chloride	5.289	84	632	Below Cal	#	14
31) Cyclohexane	8.235	56	9137	1.130	ug/l #	46
36) 1,1-Dichloropropene	8.229	75	33634	5.034	ug/l #	49
38) Carbon Tetrachloride	8.229	117	42962	6.368	ug/l #	18
44) Trichloroethene	9.359	130	172600	34.572	ug/l	95
49) 1,4-Dioxane	9.694	88	58	0.666	ug/l #	1
59) 2-Hexanone	11.212	43	966	0.226	ug/l #	58
60) Dibromochloromethane	11.118	129	1536	0.305	ug/l #	11
64) Tetrachloroethene	11.123	164	1708	0.403	ug/l #	67
71) Bromoform	12.853	173	1806	0.597	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	138609	27.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	138609	87.000	ug/l #	15
95) Naphthalene	15.653	128	3076	0.221	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.858	180	950	0.240	ug/l #	79

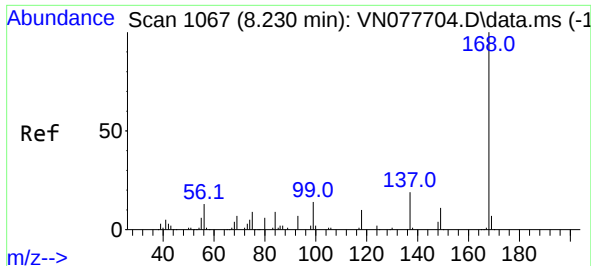
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
Data File : VN077811.D
Acq On : 23 May 2023 13:07
Operator : JC\MD
Sample : 02880-16DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

Quant Time: May 24 02:54:02 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

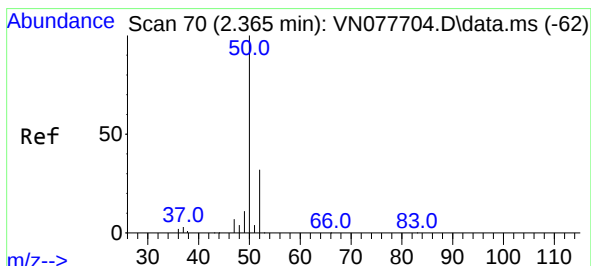
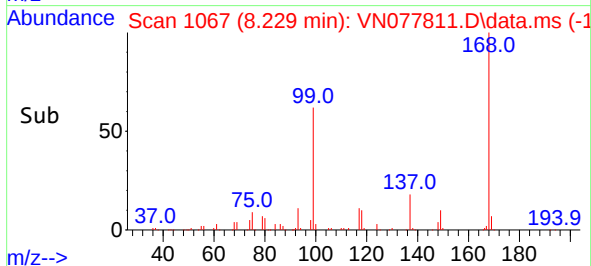
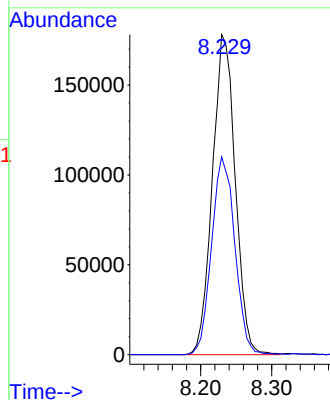
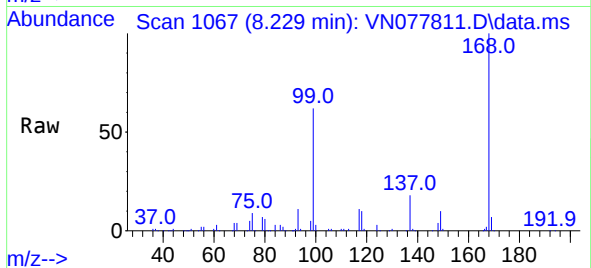




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

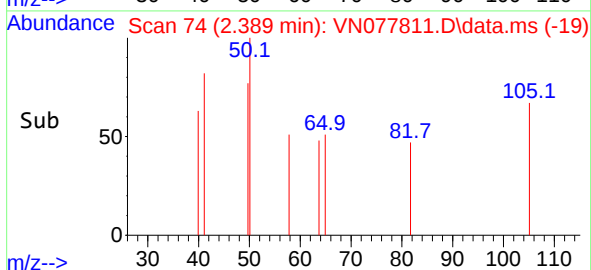
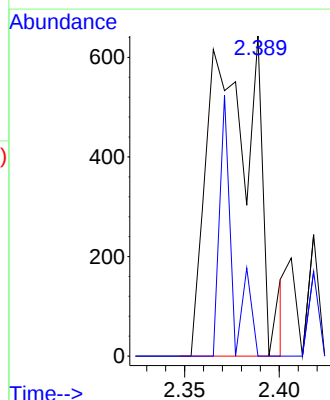
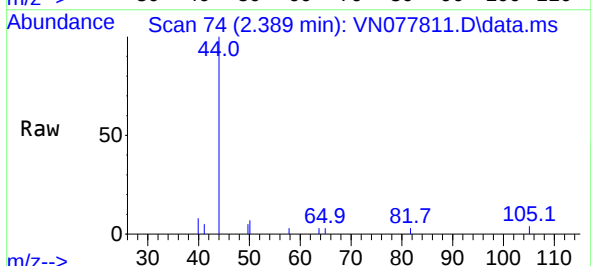
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

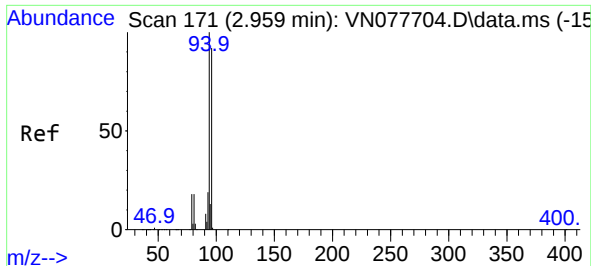
Tgt Ion:168 Resp: 397575
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.389 min Scan# 74
Delta R.T. 0.024 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 50 Resp: 1091
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

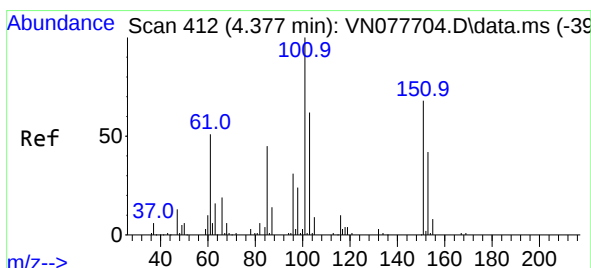
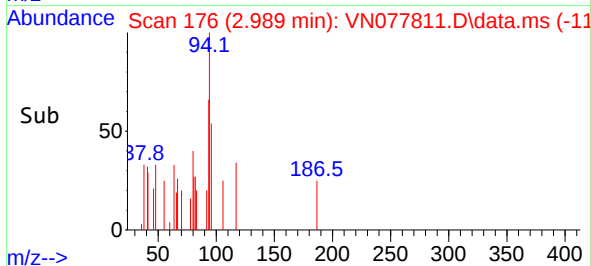
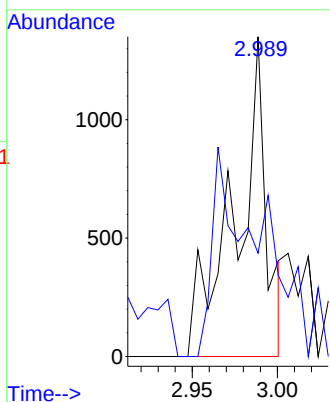
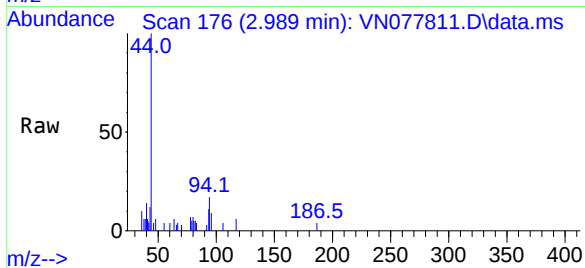




#5
Bromomethane
Concen: 0.398 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.042 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

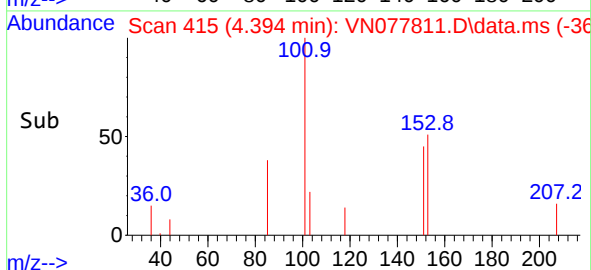
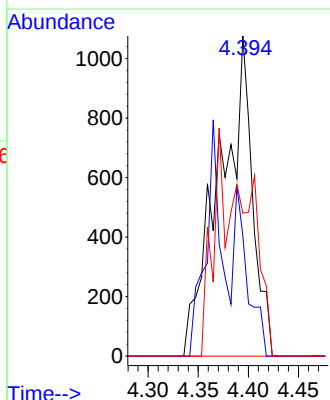
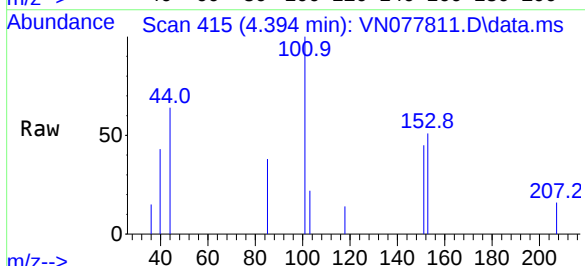
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

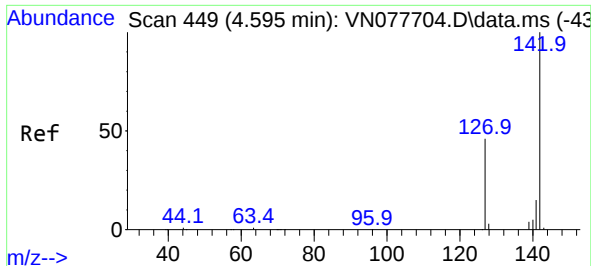
Tgt Ion: 94 Resp: 1679
Ion Ratio Lower Upper
94 100
96 32.3 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.562 ug/l
RT: 4.394 min Scan# 415
Delta R.T. 0.017 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 101 Resp: 2472
Ion Ratio Lower Upper
101 100
85 21.1 36.6 55.0#
151 0.0 57.6 86.4#

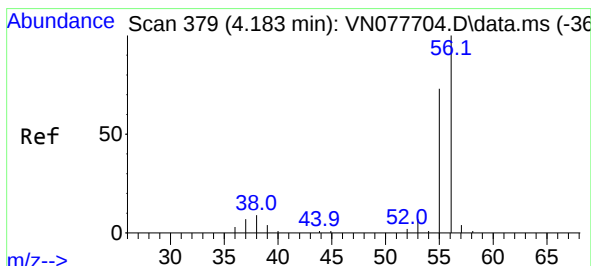
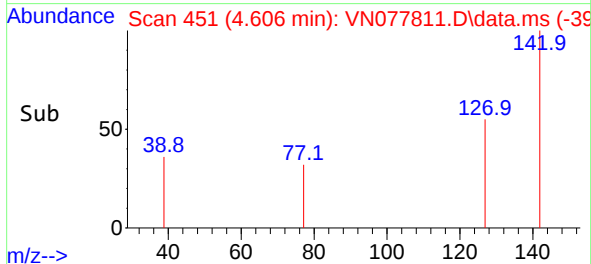
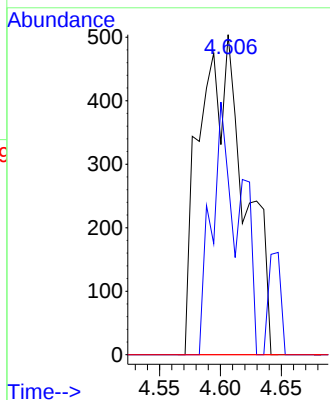
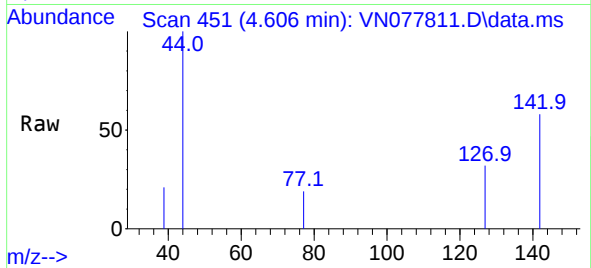




#10
Methyl Iodide
Concen: 0.249 ug/l
RT: 4.606 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

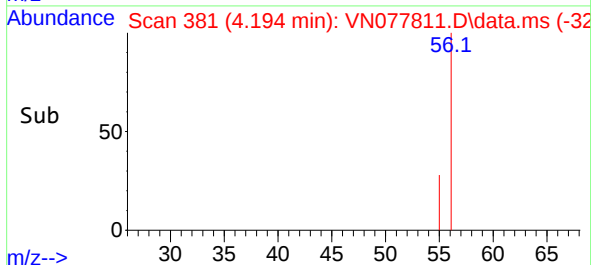
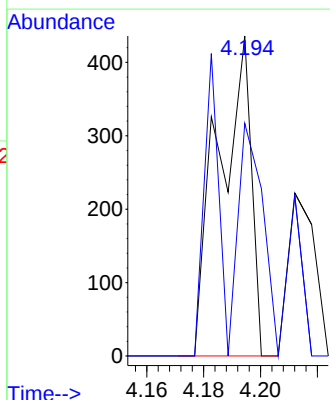
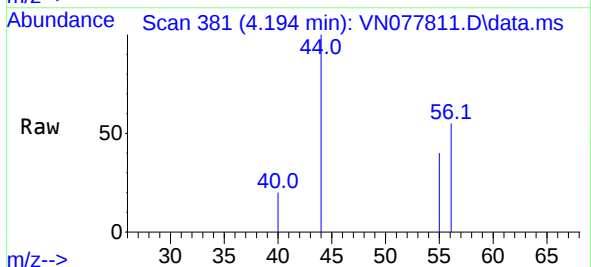
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

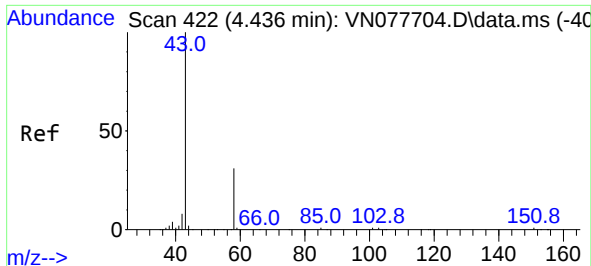
Tgt Ion:142 Resp: 1307
Ion Ratio Lower Upper
142 100
127 55.0 37.6 56.4
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 41.7 54.5 81.7#

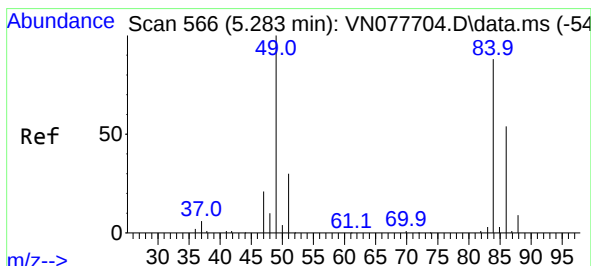
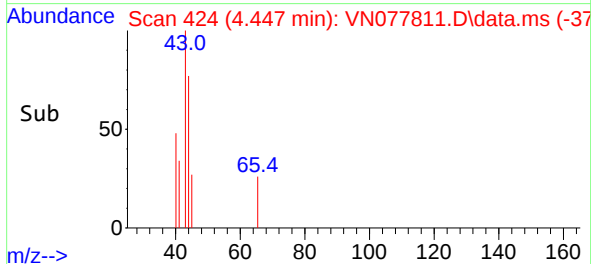
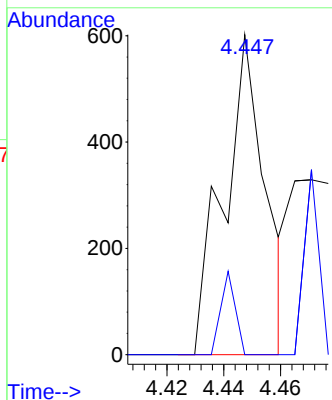
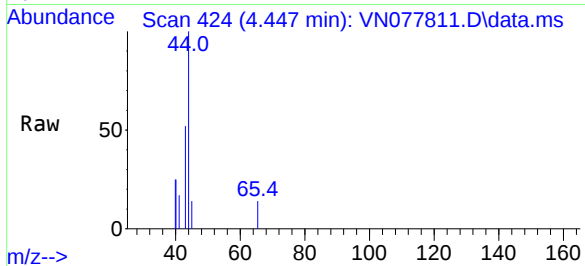




#16
Acetone
Concen: 0.326 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

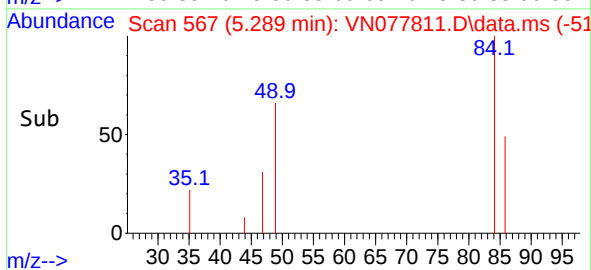
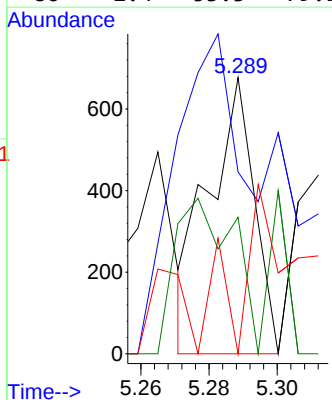
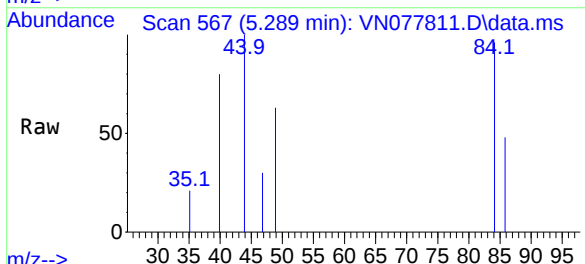
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

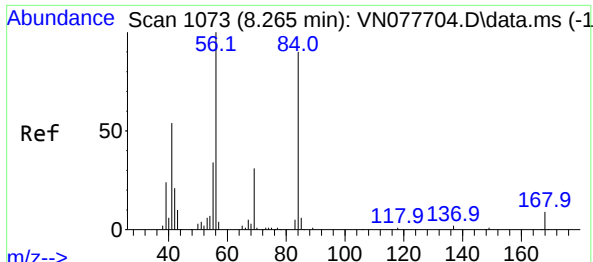
Tgt Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.005 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

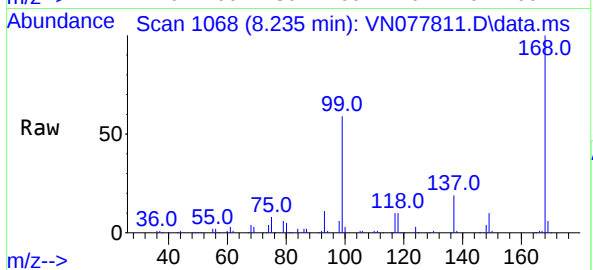
Tgt Ion: 84 Resp: 632
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 2.4 53.3 79.9#



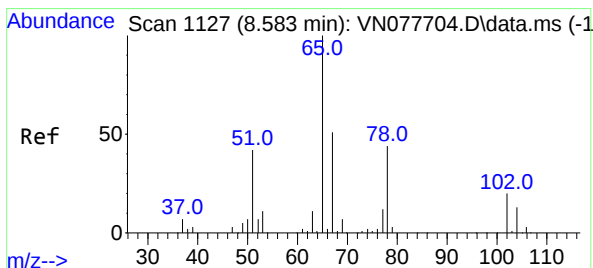
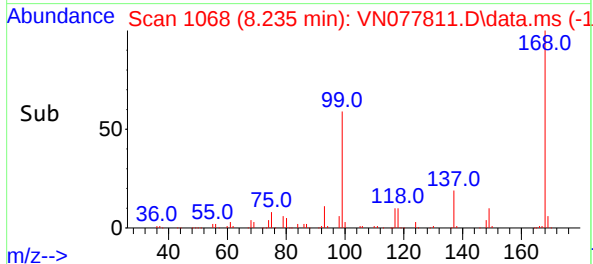
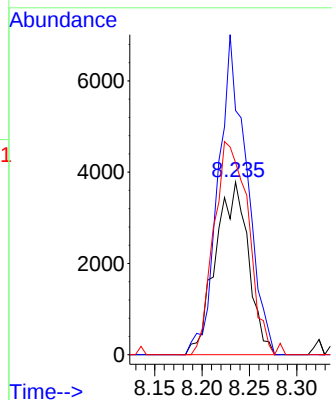


#31
Cyclohexane
Concen: 1.130 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

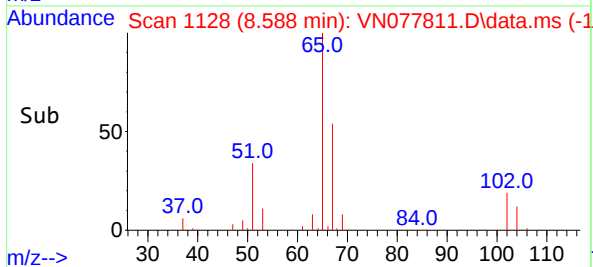
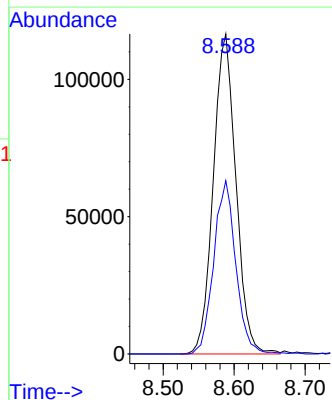
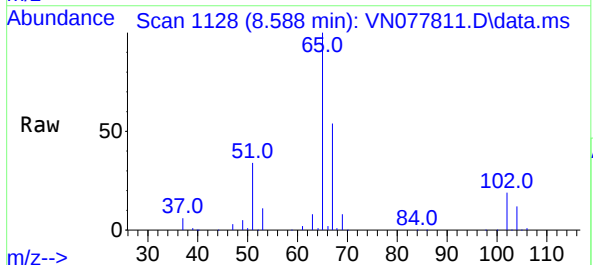


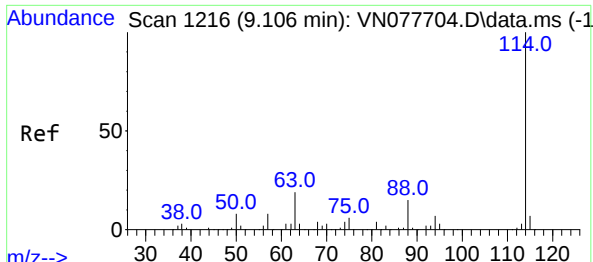
Tgt Ion: 56 Resp: 9137
Ion Ratio Lower Upper
56 100
69 141.4 26.8 40.2#
84 111.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 43.308 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 65 Resp: 257630
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6



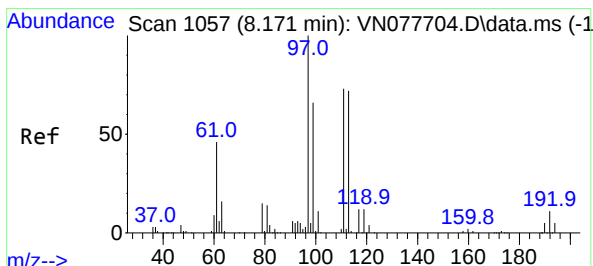
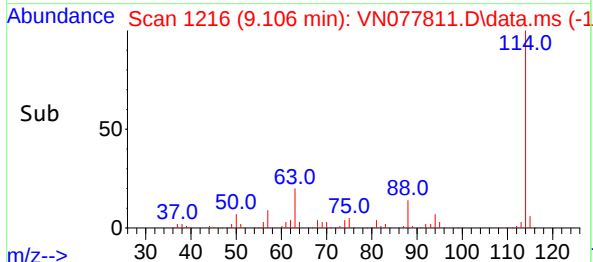
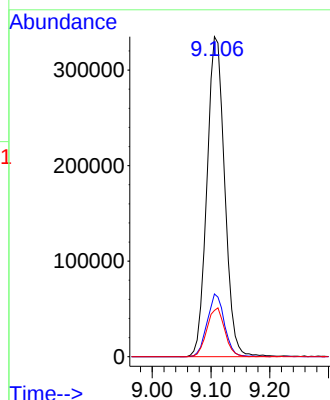
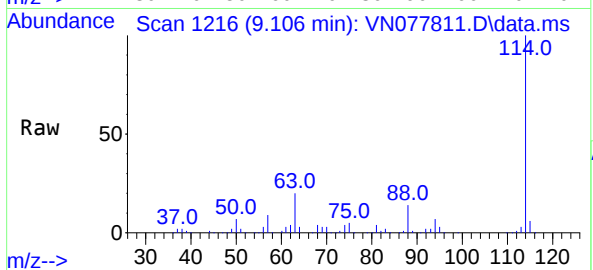


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

Tgt Ion:114 Resp: 700518

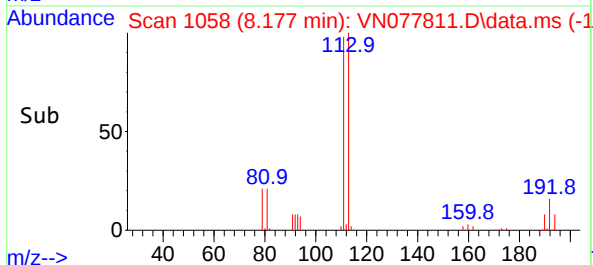
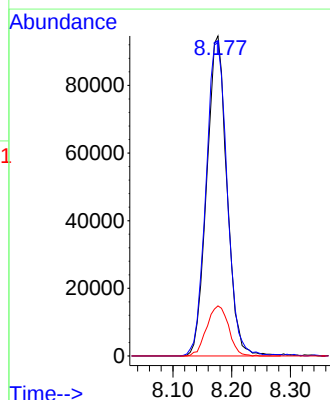
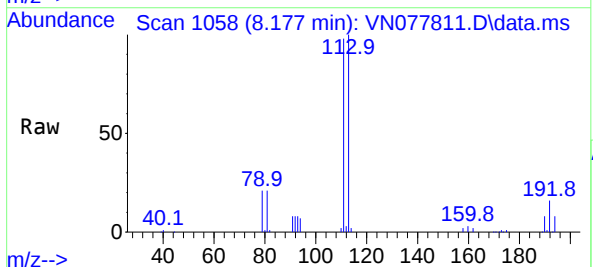
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	36.4
88	14.4	0.0	30.6

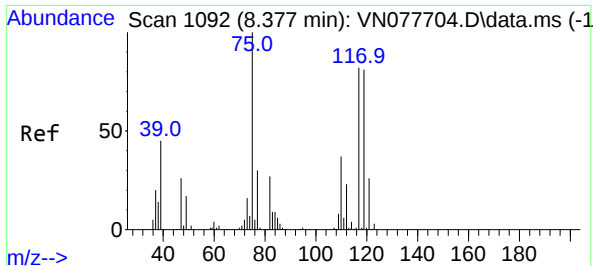


#35
Dibromofluoromethane
Concen: 49.434 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion:113 Resp: 225815

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	17.0	12.7	19.1

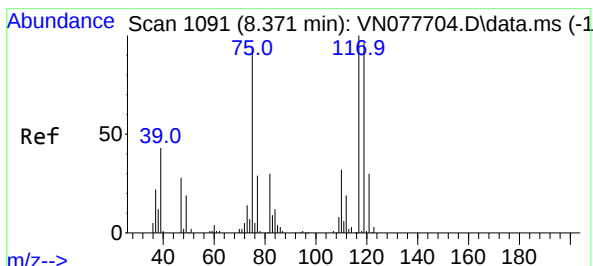
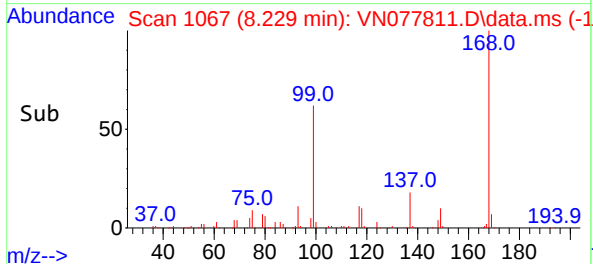
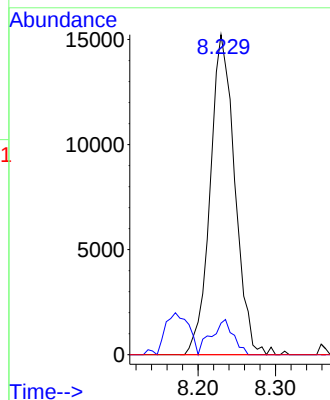
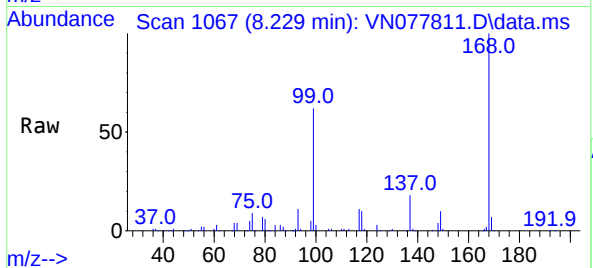




#36
1,1-Dichloropropene
Concen: 5.034 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

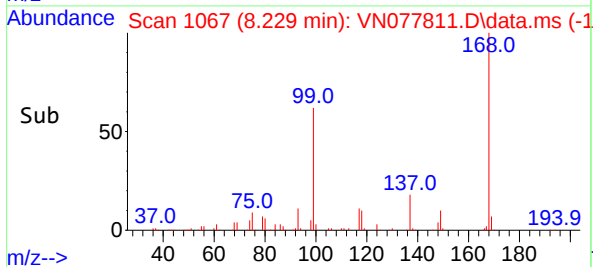
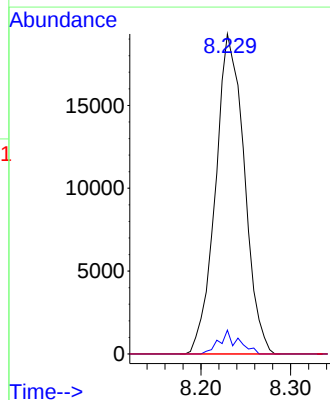
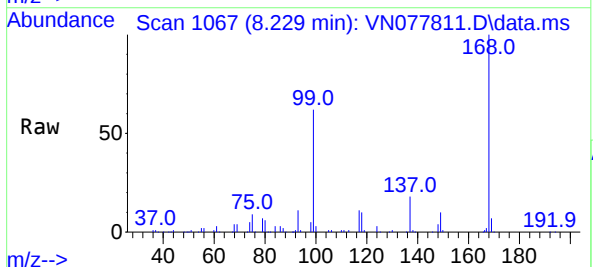
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

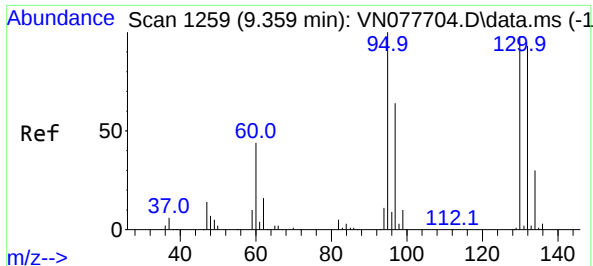
Tgt Ion: 75 Resp: 33634
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 117 Resp: 42962
Ion Ratio Lower Upper
117 100
119 7.5 77.3 115.9#
121 0.0 23.3 34.9#

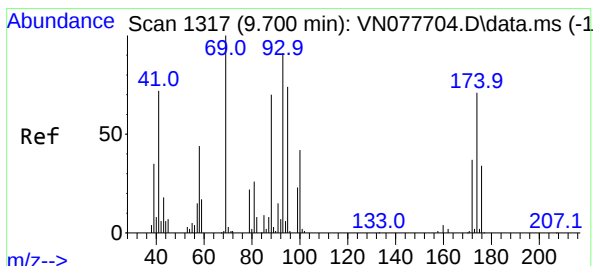
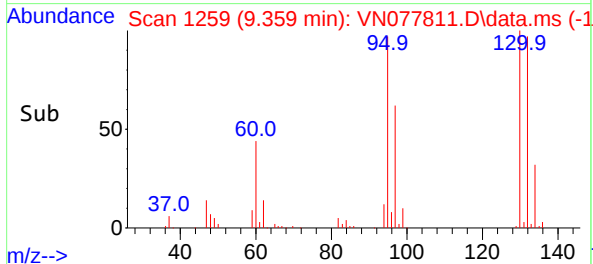
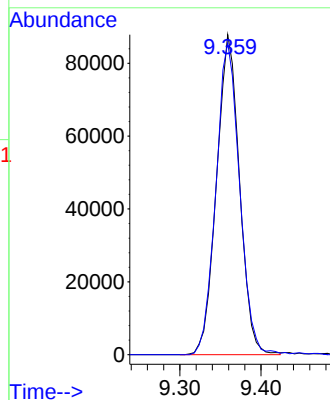
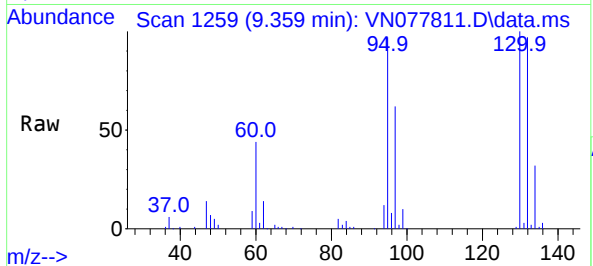




#44
Trichloroethene
Concen: 34.572 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

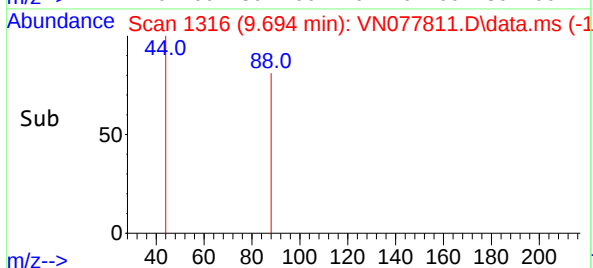
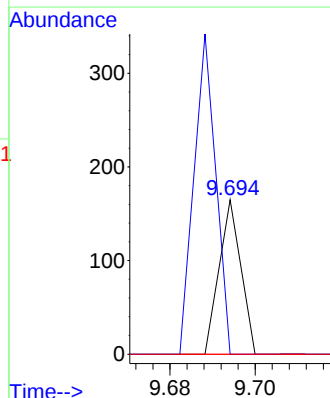
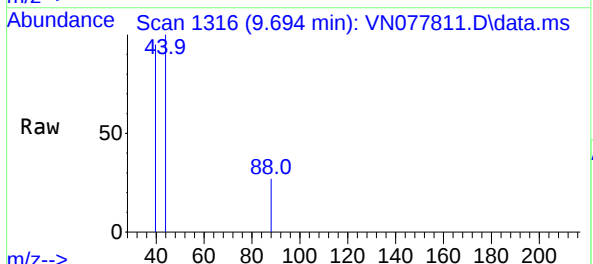
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

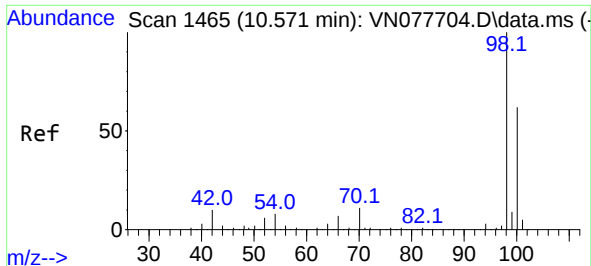
Tgt Ion:130 Resp: 172600
Ion Ratio Lower Upper
130 100
95 97.4 0.0 204.6



#49
1,4-Dioxane
Concen: 0.666 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 208.6 17.0 25.6#
58 0.0 47.0 70.4#

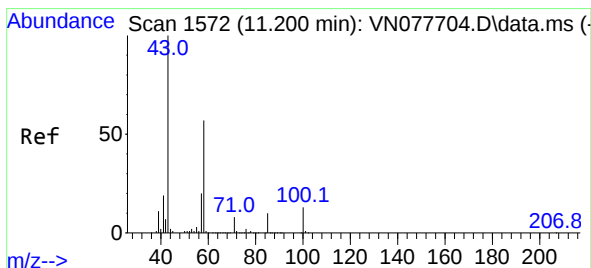
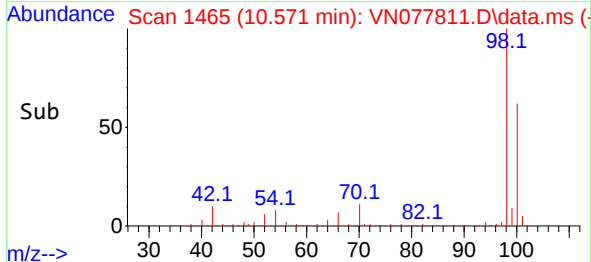
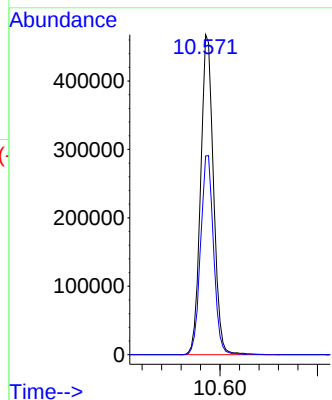
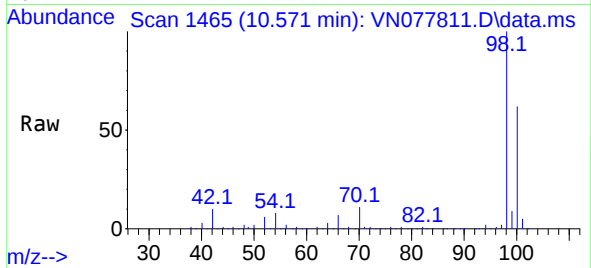




#50
Toluene-d8
Concen: 48.878 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

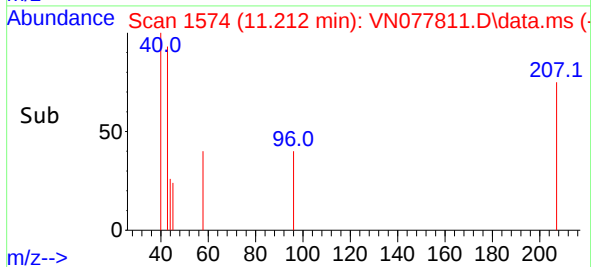
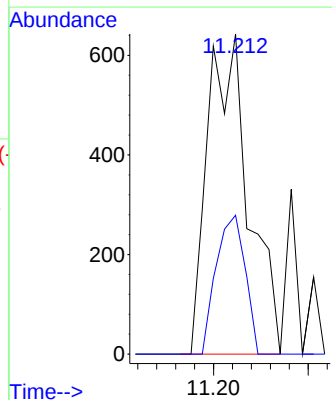
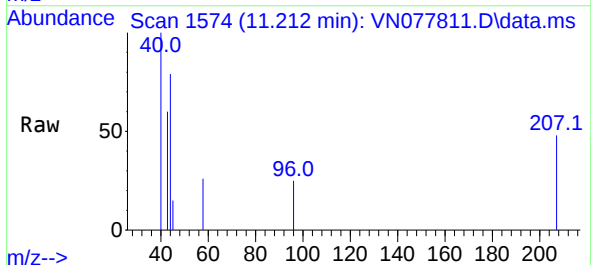
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

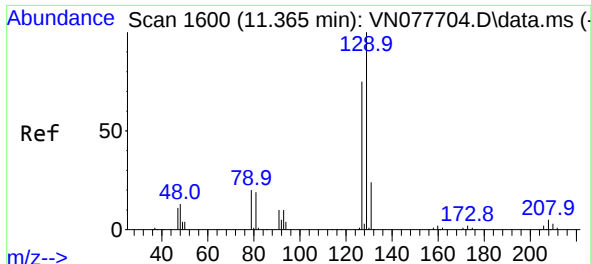
Tgt Ion: 98 Resp: 859399
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#59
2-Hexanone
Concen: 0.226 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
58 30.6 31.7 95.1#

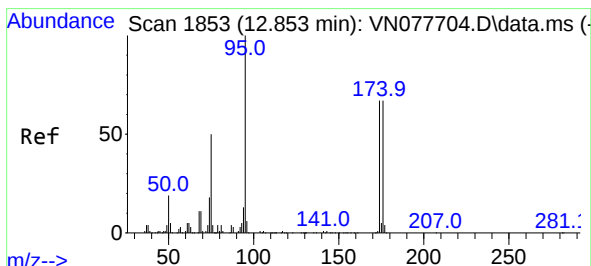
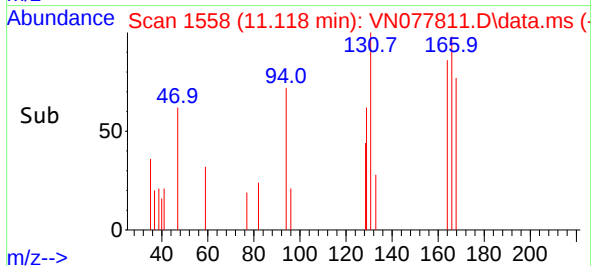
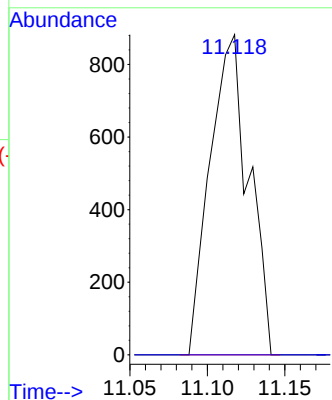
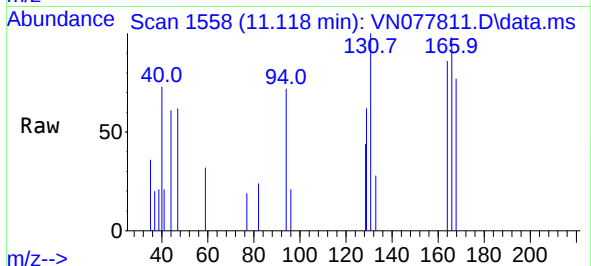




#60
Dibromochloromethane
Concen: 0.305 ug/l
RT: 11.118 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

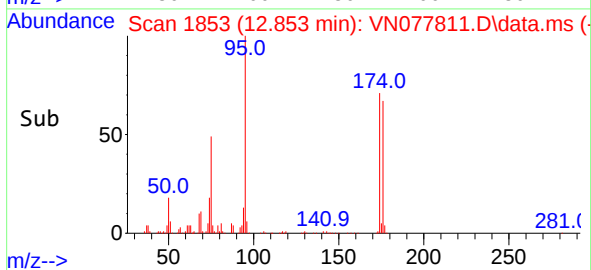
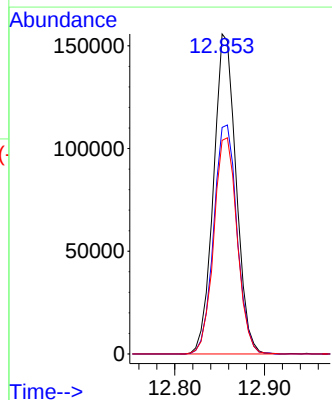
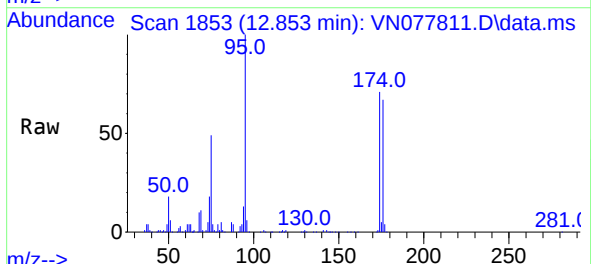
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

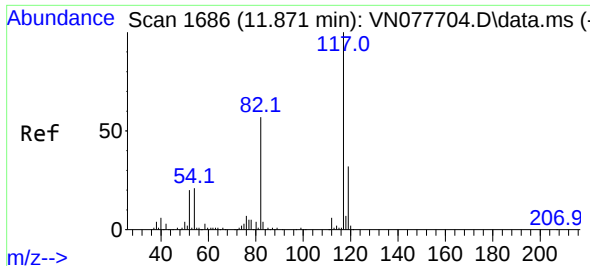
Tgt Ion:129 Resp: 1536
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.806 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 95 Resp: 272027
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 69.9 0.0 135.8

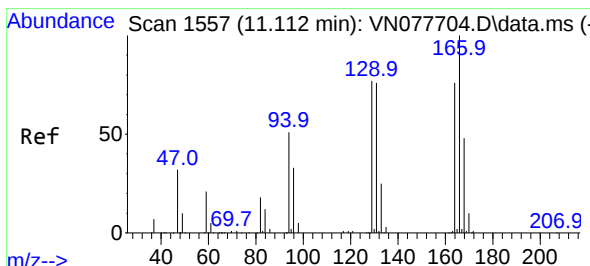
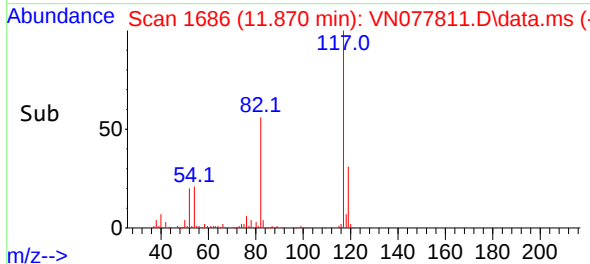
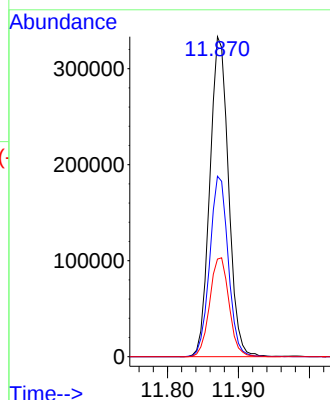
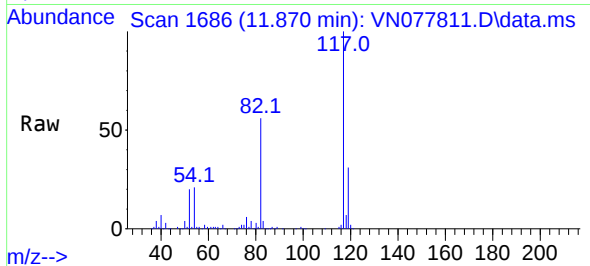




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

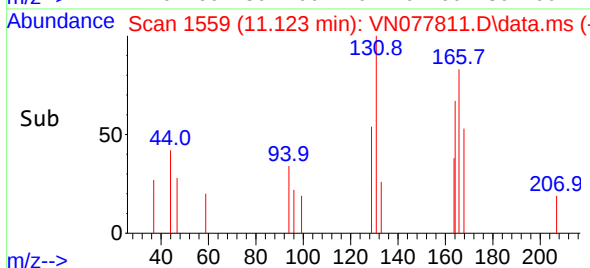
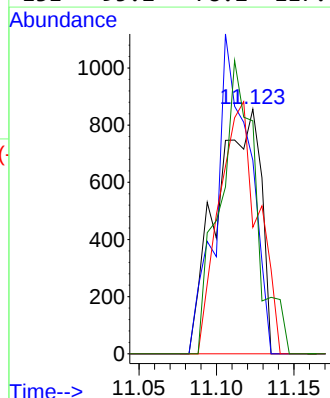
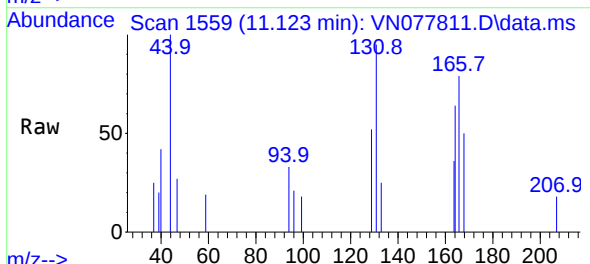
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

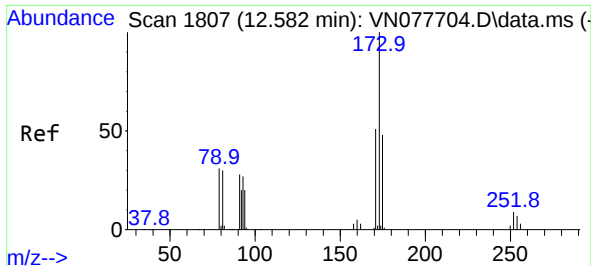
Tgt Ion:	117	Resp:	606471
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.0	66.0
119	30.5	25.6	38.4



#64
Tetrachloroethene
Concen: 0.403 ug/l
RT: 11.123 min Scan# 1559
Delta R.T. 0.011 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion:	164	Resp:	1708
Ion	Ratio	Lower	Upper
164	100		
166	79.1	101.4	152.0#
129	51.8	82.4	123.6#
131	95.2	78.2	117.4

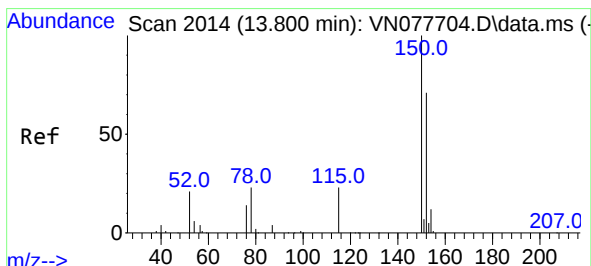
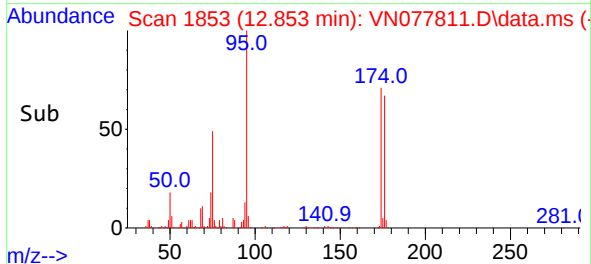
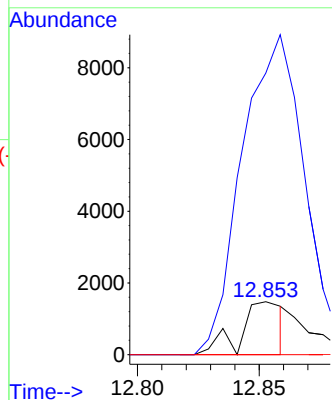
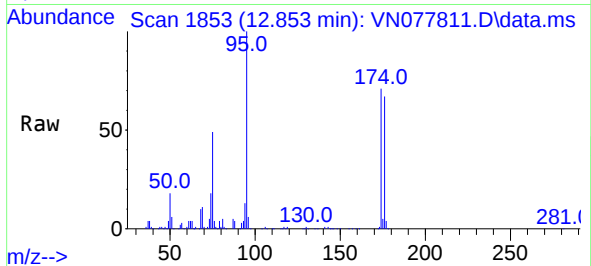




#71
Bromoform
Concen: 0.597 ug/l
RT: 12.853 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

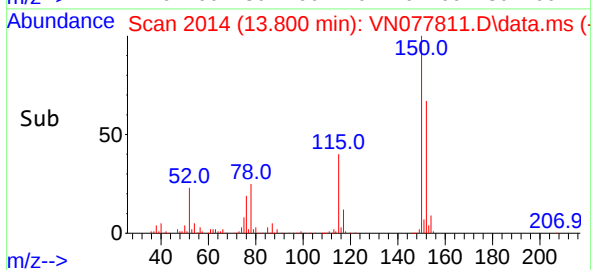
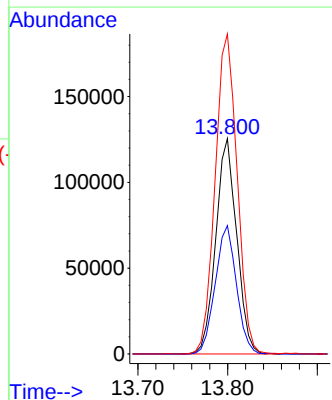
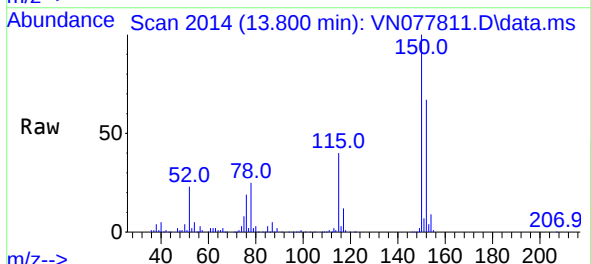
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

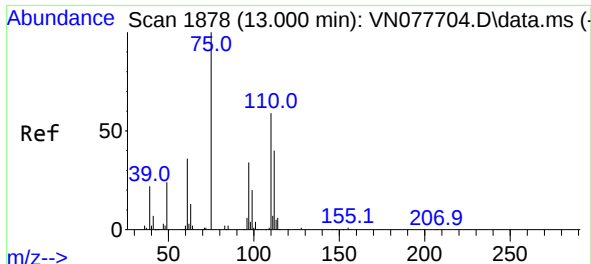
Tgt Ion:173 Resp: 1806
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion:152 Resp: 203354
Ion Ratio Lower Upper
152 100
115 60.4 32.3 96.8
150 156.1 0.0 355.8

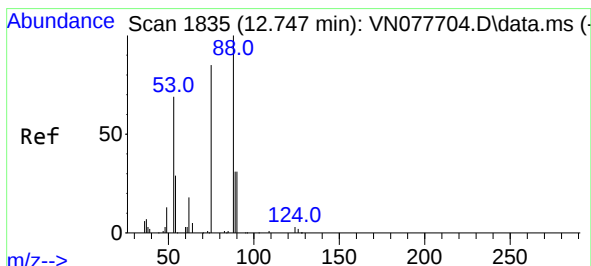
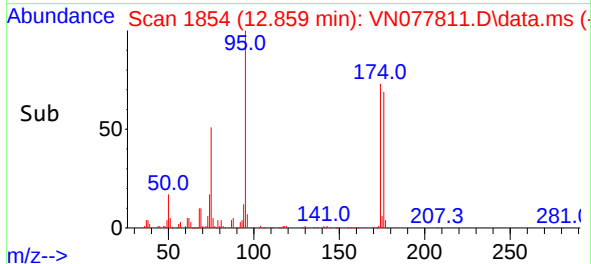
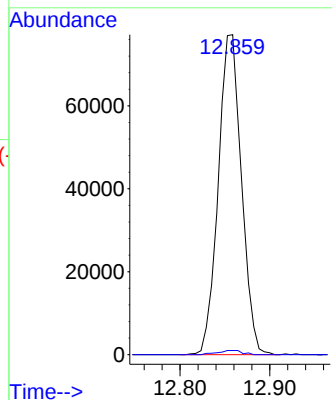
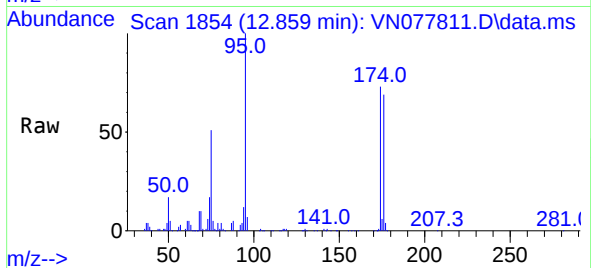




#76
1,2,3-Trichloropropane
Concen: 27.217 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

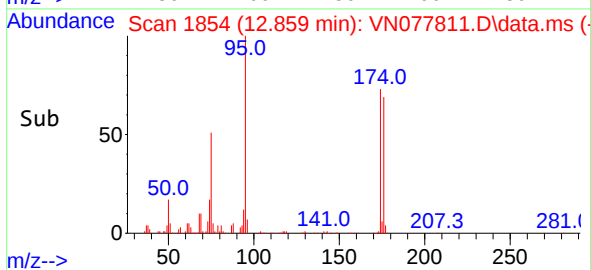
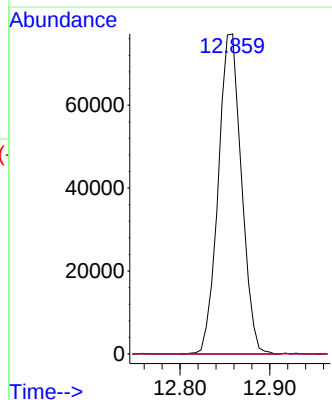
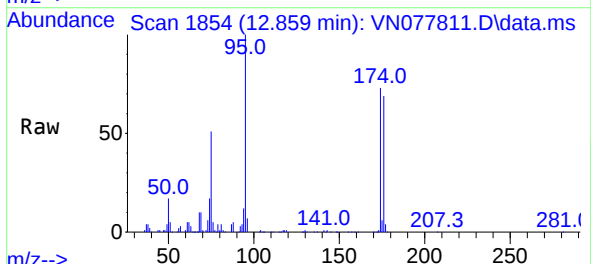
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

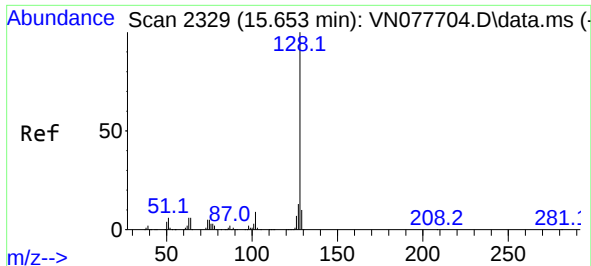
Tgt Ion: 75 Resp: 138609
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.000 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion: 75 Resp: 138609
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

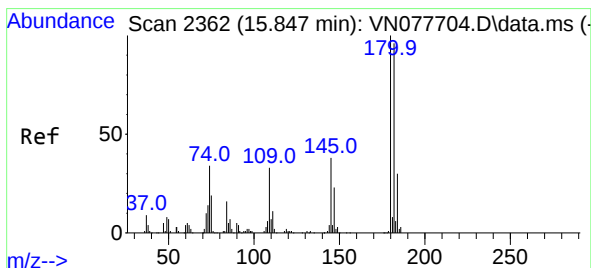
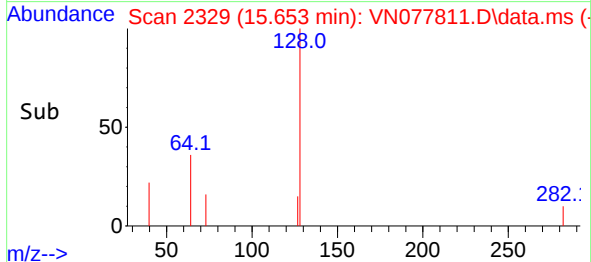
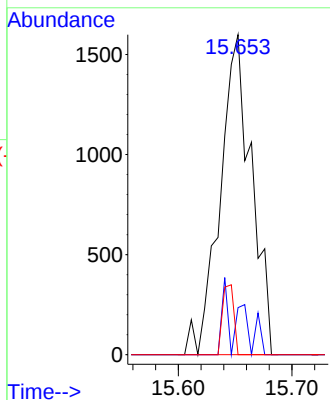
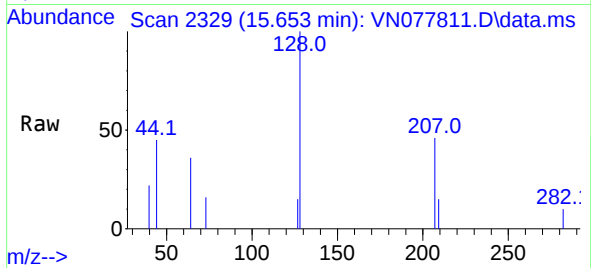




#95
Naphthalene
Concen: 0.221 ug/l
RT: 15.653 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :
RW4-20230519DL

Tgt Ion:128 Resp: 3076
Ion Ratio Lower Upper
128 100
127 4.4 10.0 15.0#
129 7.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.240 ug/l
RT: 15.858 min Scan# 2364
Delta R.T. 0.011 min
Lab File: VN077811.D
Acq: 23 May 2023 13:07

Tgt Ion:180 Resp: 950
Ion Ratio Lower Upper
180 100
182 82.8 46.2 138.6
145 6.9 17.5 52.6#

