

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077067.D
 Acq On : 20 Mar 2023 14:41
 Operator : JC\MD
 Sample : 01904-07DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230313DL

Quant Time: Mar 21 05:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

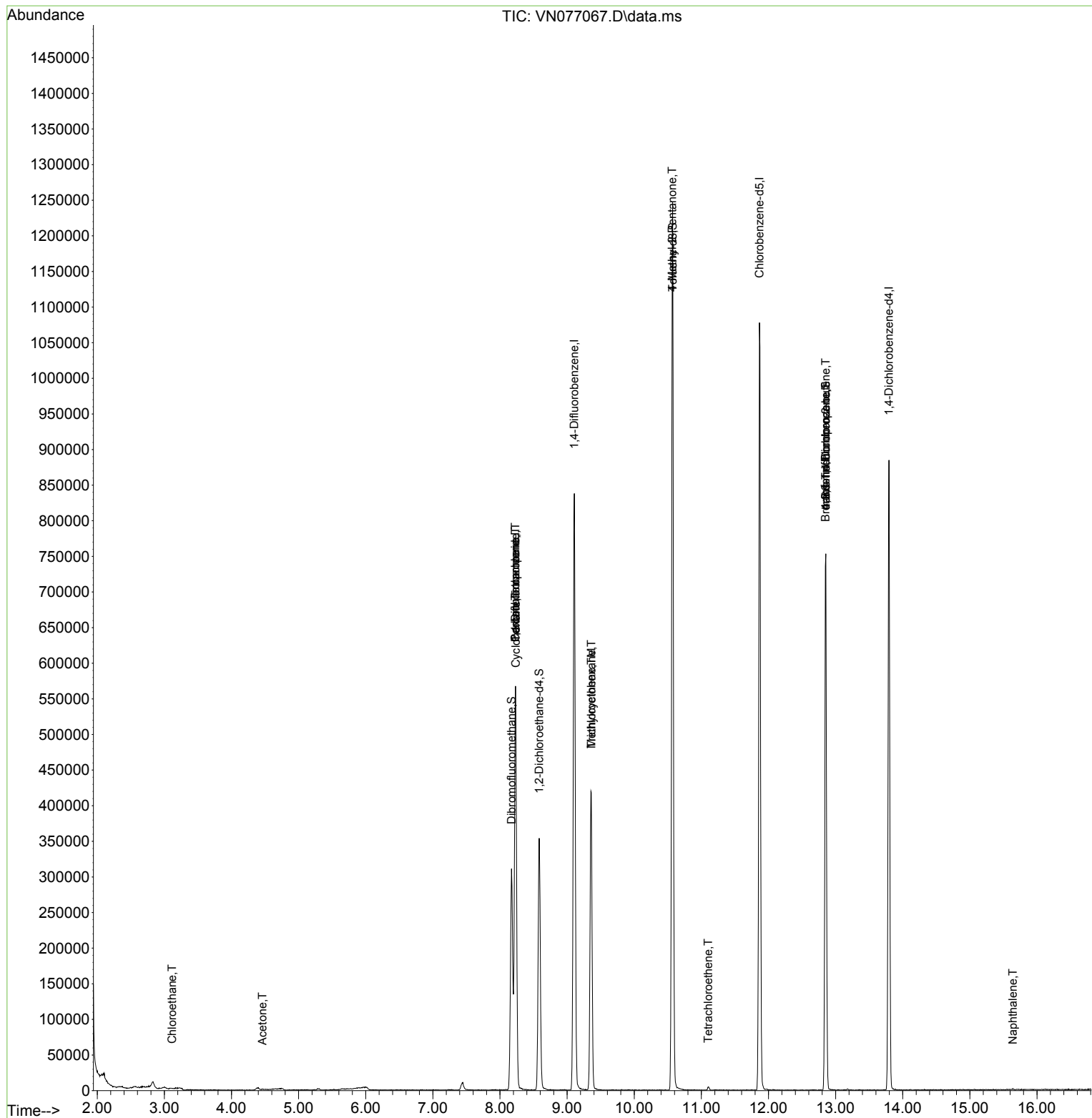
Internal Standards						
1) Pentafluorobenzene	8.231	168	390526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	709717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	612297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	224983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	292082	46.823	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.640%		
35) Dibromofluoromethane	8.172	113	224785	45.226	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.460%		
50) Toluene-d8	10.572	98	846453	47.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.360%		
62) 4-Bromofluorobenzene	12.854	95	271325	43.248	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.500%		
Target Compounds						Qvalue
6) Chloroethane	3.113	64	638	0.237	ug/l #	42
16) Acetone	4.460	43	910	0.327	ug/l #	43
31) Cyclohexane	8.236	56	10084	0.988	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	36584	4.713	ug/l #	45
38) Carbon Tetrachloride	8.231	117	42027	5.558	ug/l #	17
39) Methylcyclohexane	9.360	83	1992	0.219	ug/l #	1
44) Trichloroethene	9.360	130	151958	28.099	ug/l	96
51) 4-Methyl-2-Pentanone	10.566	43	3683	0.456	ug/l #	1
64) Tetrachloroethene	11.101	164	879	0.214	ug/l	92
71) Bromoform	12.848	173	1434	0.406	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	146360	25.150	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	146360	69.227	ug/l #	10
95) Naphthalene	15.642	128	977	1.975	ug/l #	79

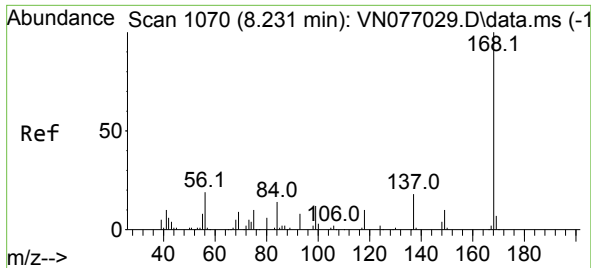
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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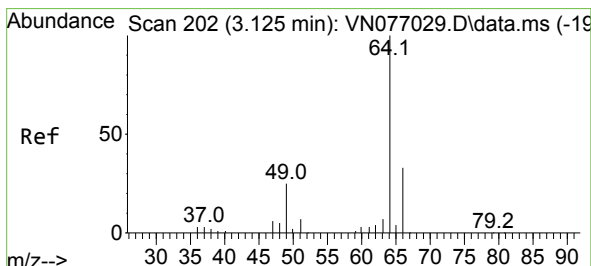
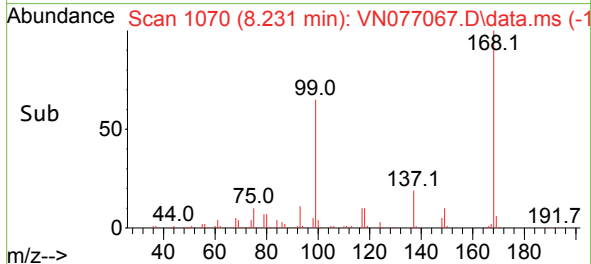
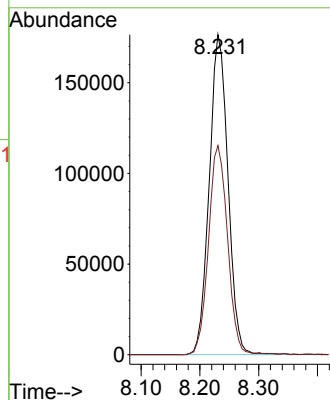
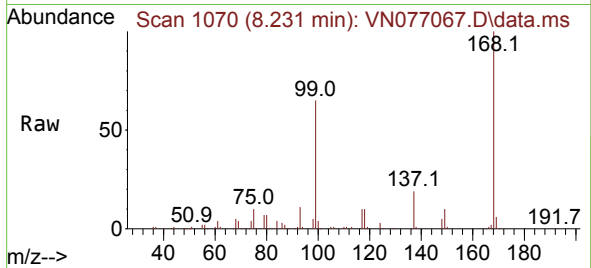




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

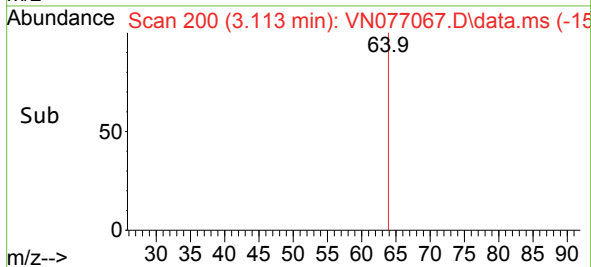
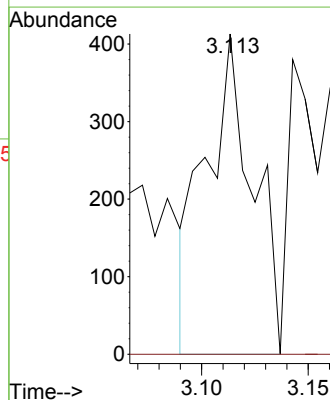
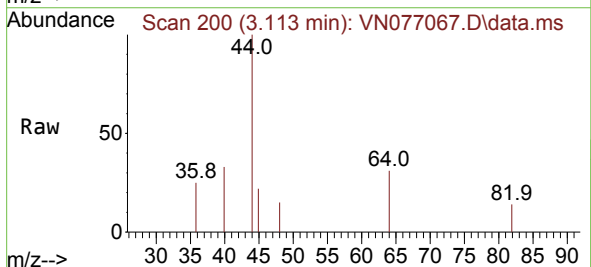
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230313DL

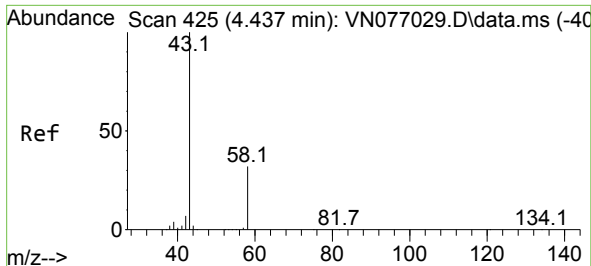
Tgt Ion:168 Resp: 390526
Ion Ratio Lower Upper
168 100
99 65.4 53.9 80.9



#6
Chloroethane
Concen: 0.237 ug/l
RT: 3.113 min Scan# 200
Delta R.T. -0.012 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion: 64 Resp: 638
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

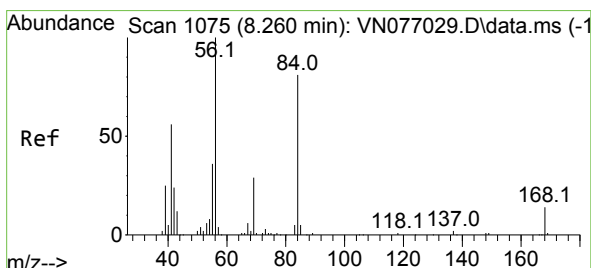
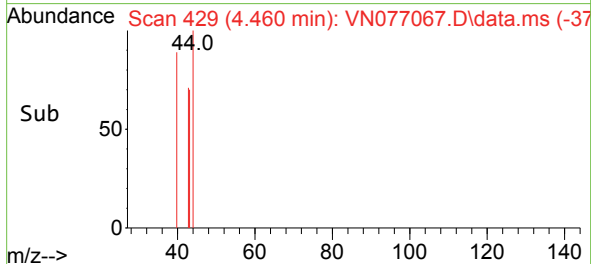
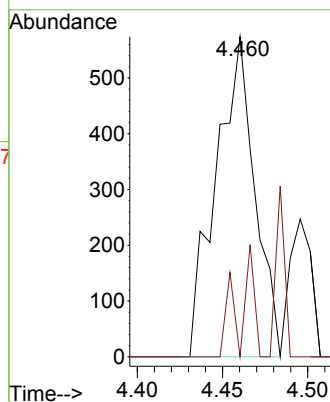
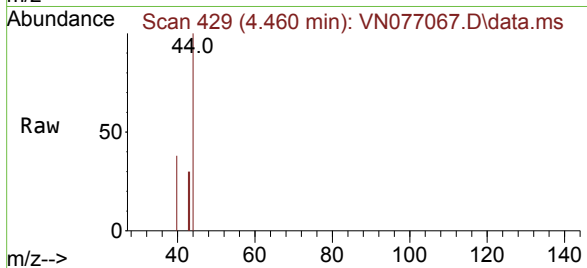




#16
Acetone
Concen: 0.327 ug/l
RT: 4.460 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

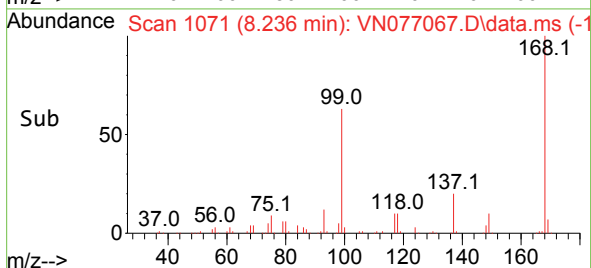
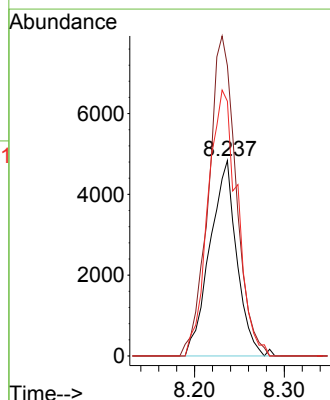
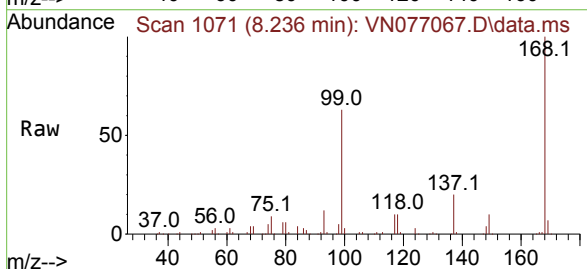
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MSVOA_N
ClientSampleId :
RW4-20230313DL

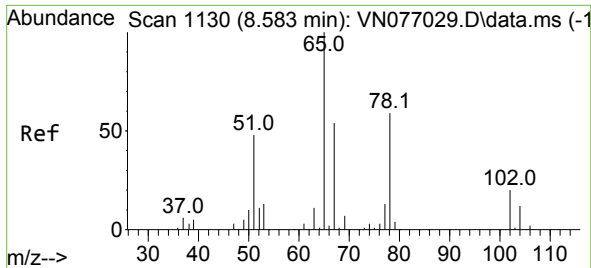
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#31
Cyclohexane
Concen: 0.988 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion: 56 Resp: 10084
Ion Ratio Lower Upper
56 100
69 148.6 22.8 34.2#
84 130.4 64.7 97.1#

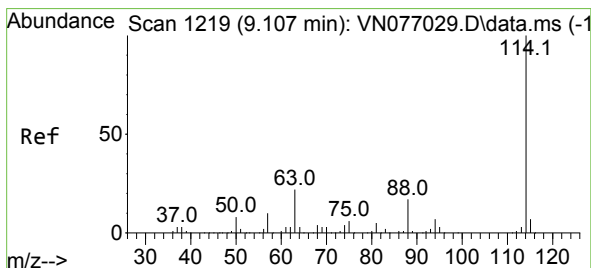
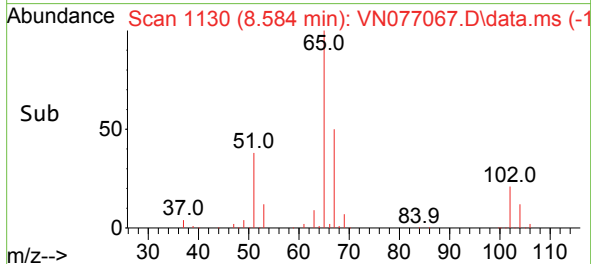
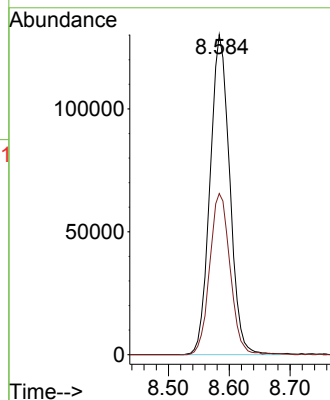
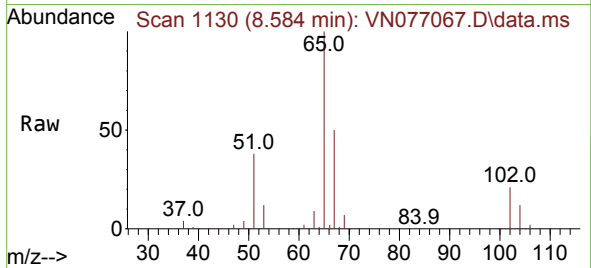




#33
 1,2-Dichloroethane-d4
 Concen: 46.823 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. 0.001 min
 Lab File: VN077067.D
 Acq: 20 Mar 2023 14:41

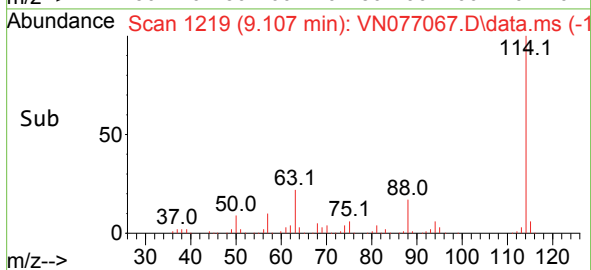
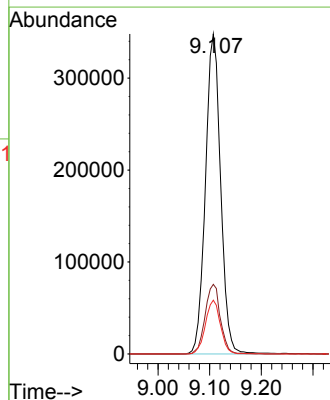
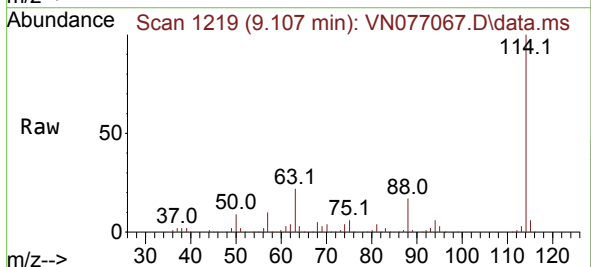
Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230313DL

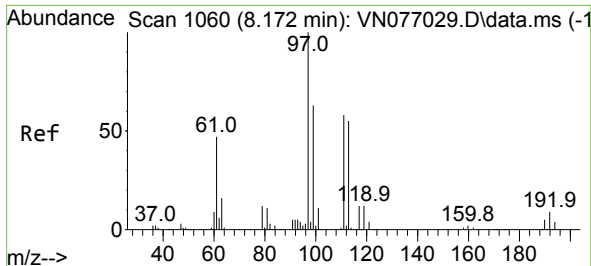
Tgt Ion: 65 Resp: 292082
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077067.D
 Acq: 20 Mar 2023 14:41

Tgt Ion: 114 Resp: 709717
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.6
 88 16.8 0.0 33.8

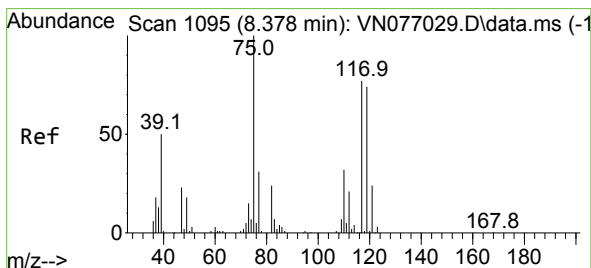
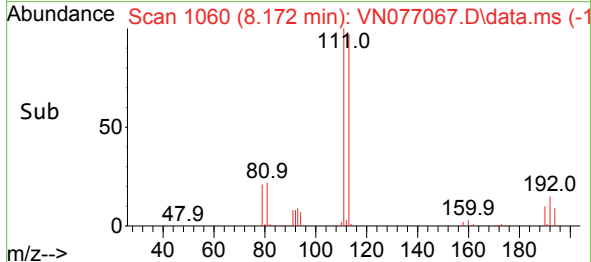
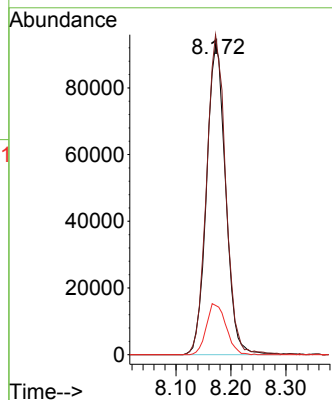
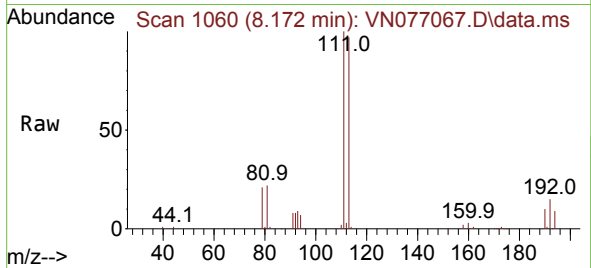




#35
Dibromofluoromethane
Concen: 45.226 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

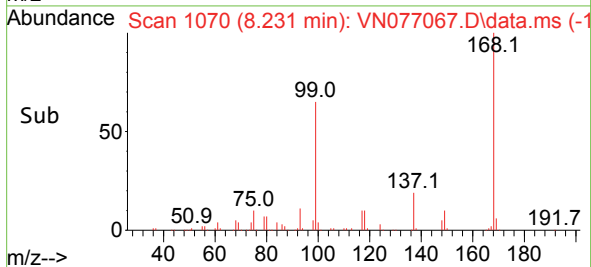
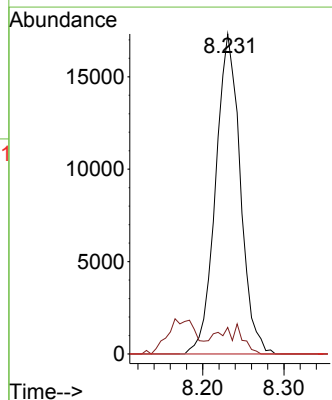
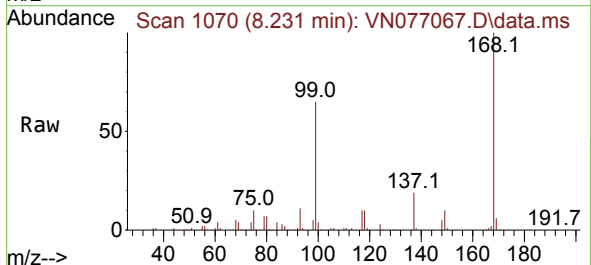
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230313DL

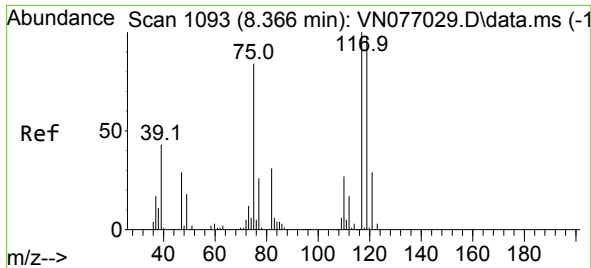
Tgt Ion:113 Resp: 224785
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 16.9 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion: 75 Resp: 36584
Ion Ratio Lower Upper
75 100
110 1.2 15.9 47.7#
77 0.0 24.3 36.5#

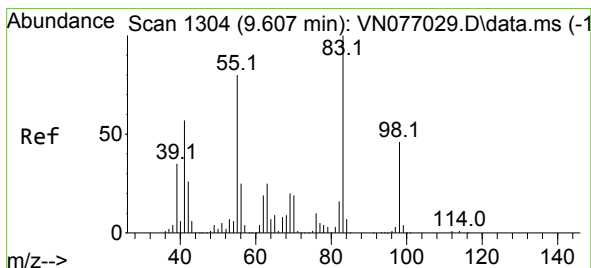
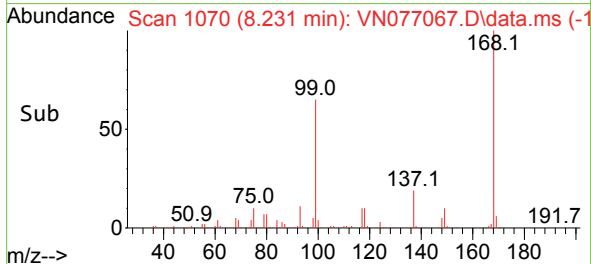
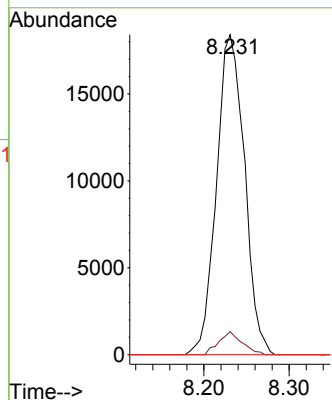
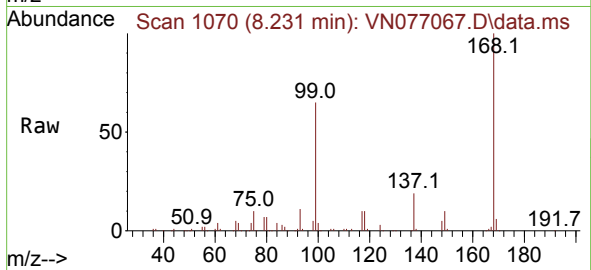




#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 8.231 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

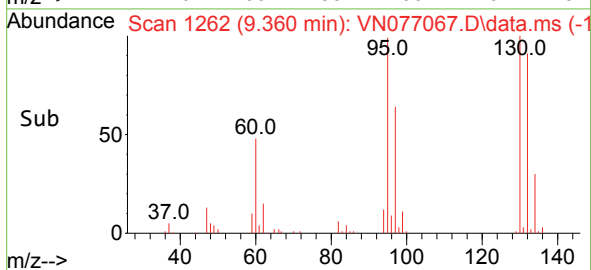
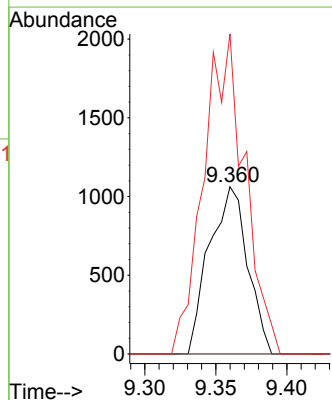
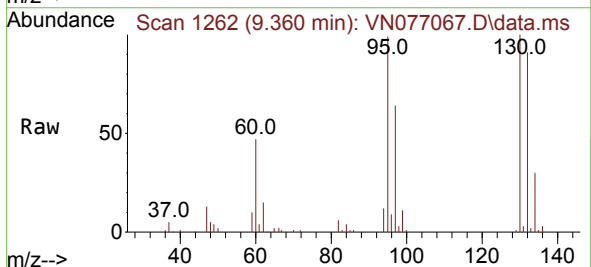
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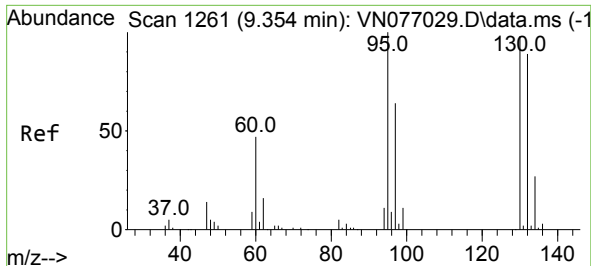
Tgt Ion:117 Resp: 42027
Ion Ratio Lower Upper
117 100
119 7.2 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.219 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion: 83 Resp: 1992
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 191.4 37.1 55.7#

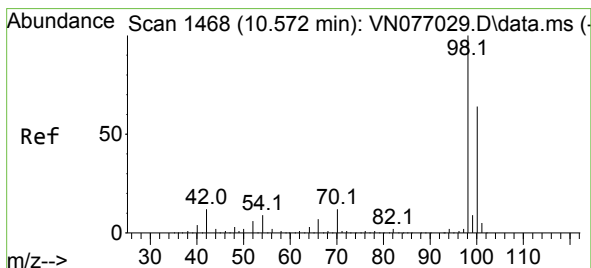
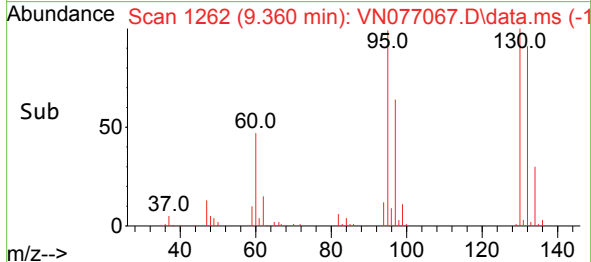
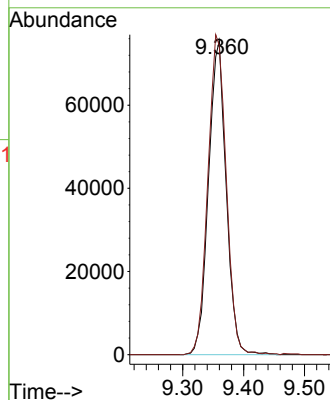
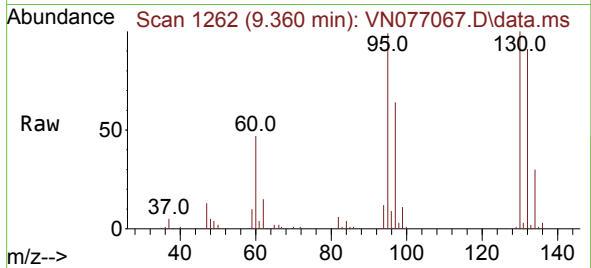




#44
Trichloroethene
Concen: 28.099 ug/l
RT: 9.360 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

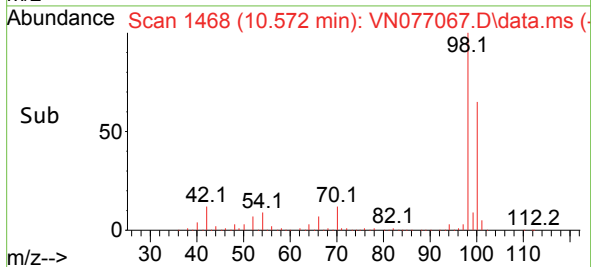
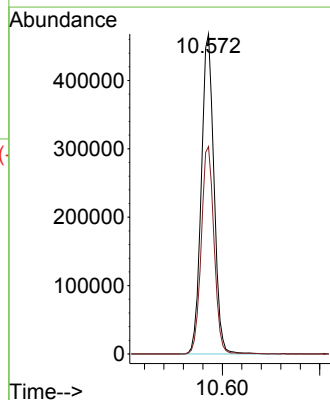
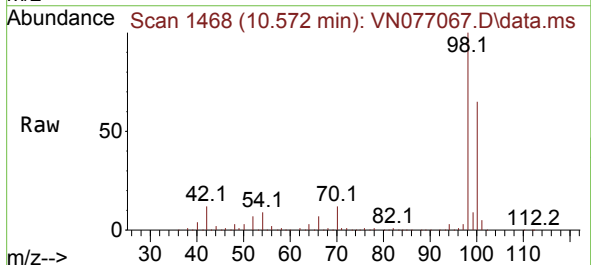
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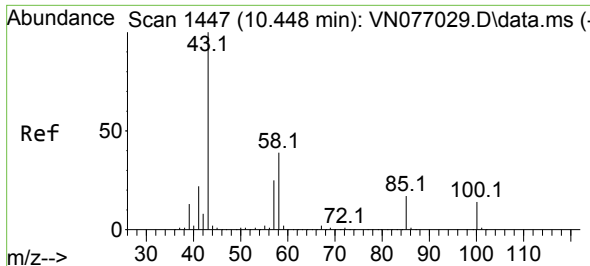
Tgt Ion:130 Resp: 151958
Ion Ratio Lower Upper
130 100
95 98.5 0.0 204.4



#50
Toluene-d8
Concen: 47.676 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion: 98 Resp: 846453
Ion Ratio Lower Upper
98 100
100 65.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.456 ug/l

RT: 10.566 min Scan# 1447

Delta R.T. 0.118 min

Lab File: VN077067.D

Acq: 20 Mar 2023 14:41

Instrument :

MSVOA_N

ClientSampleId :

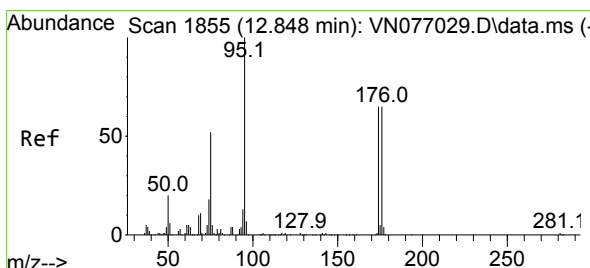
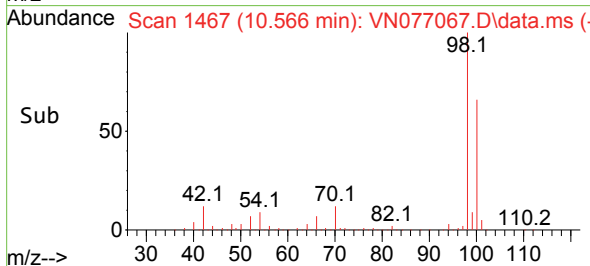
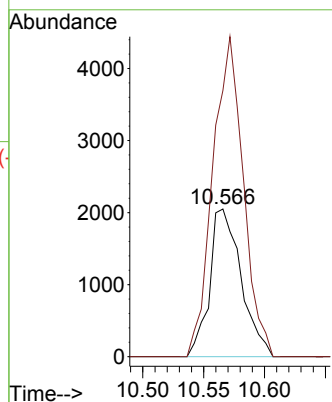
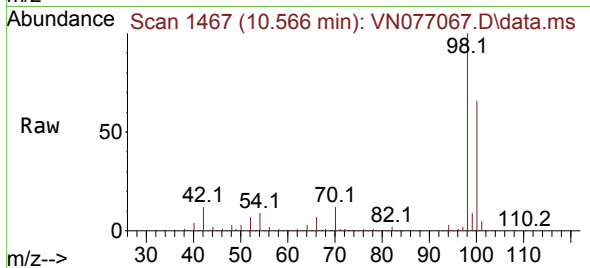
RW4-20230313DL

Tgt Ion: 43 Resp: 3683

Ion Ratio Lower Upper

43 100

58 210.7 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 43.248 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077067.D

Acq: 20 Mar 2023 14:41

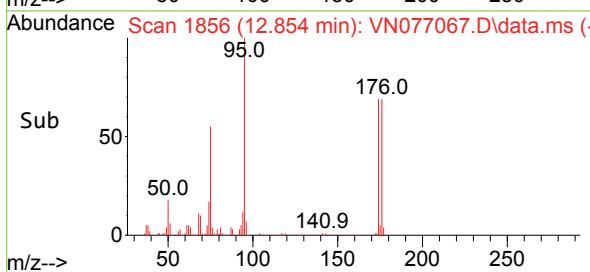
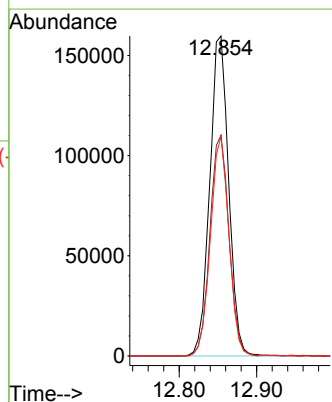
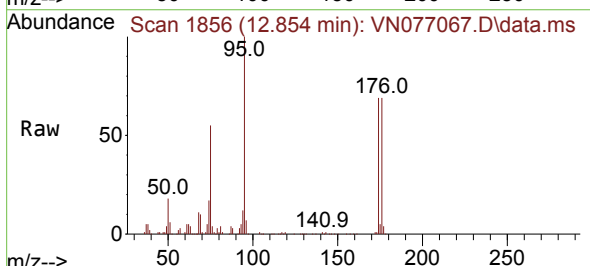
Tgt Ion: 95 Resp: 271325

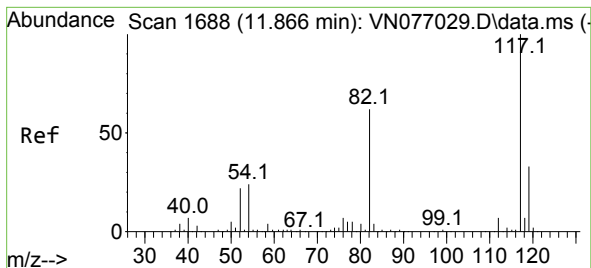
Ion Ratio Lower Upper

95 100

174 69.5 0.0 136.6

176 66.6 0.0 130.0

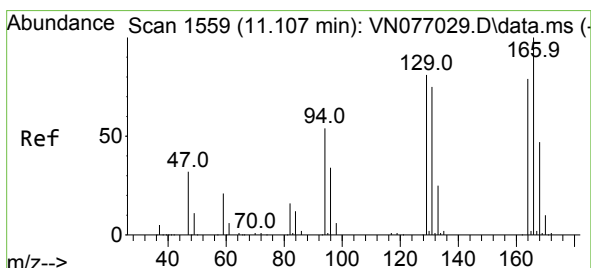
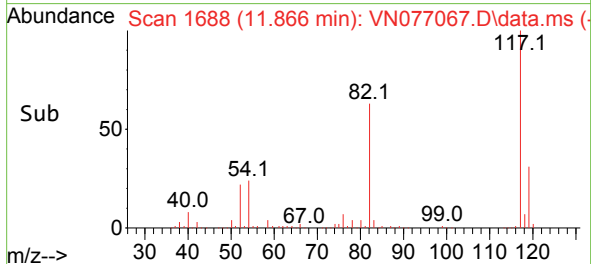
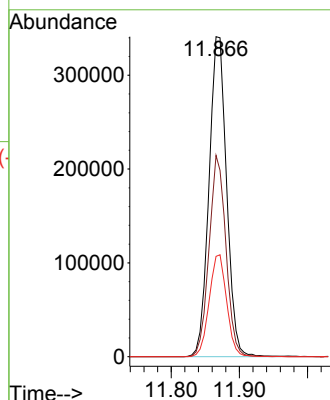
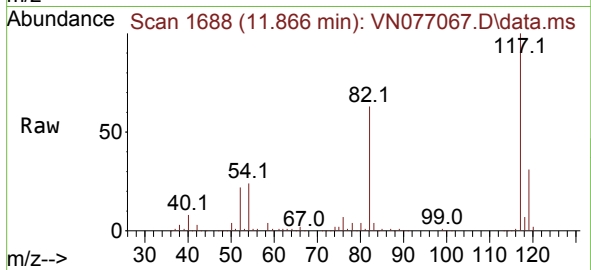




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

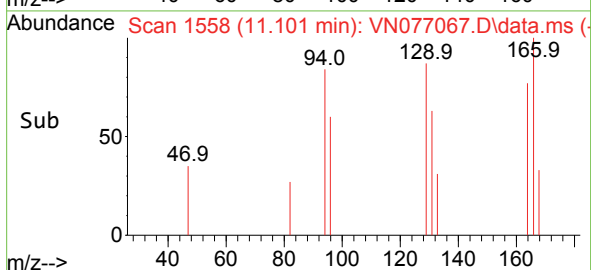
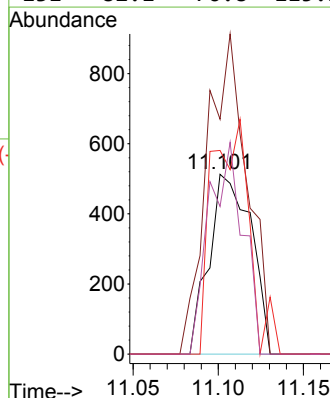
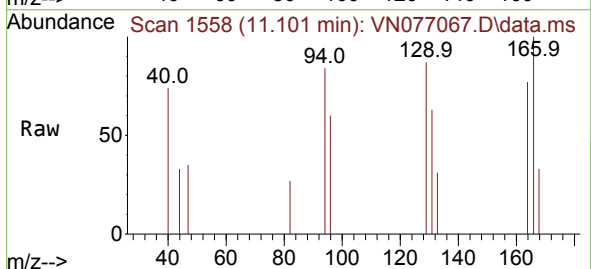
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230313DL

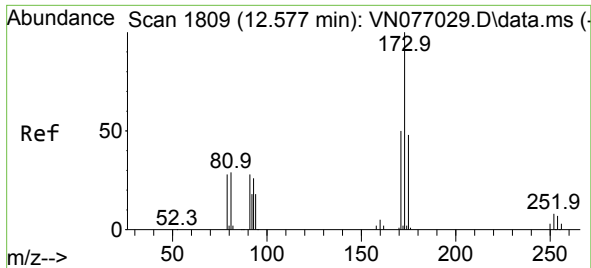
Tgt Ion:117 Resp: 612297
Ion Ratio Lower Upper
117 100
82 62.9 49.4 74.0
119 31.4 26.5 39.7



#64
Tetrachloroethene
Concen: 0.214 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion:164 Resp: 879
Ion Ratio Lower Upper
164 100
166 130.6 101.9 152.9
129 113.3 82.6 123.8
131 82.1 76.8 115.2

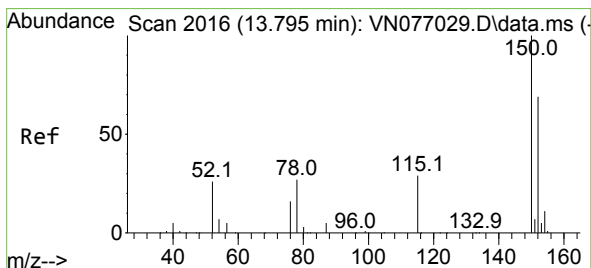
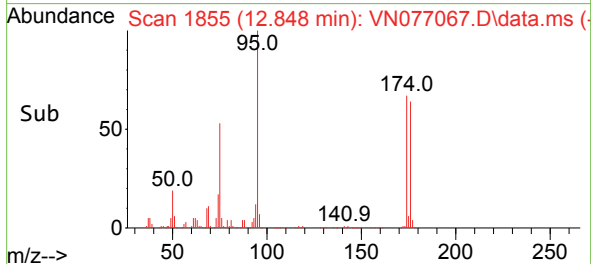
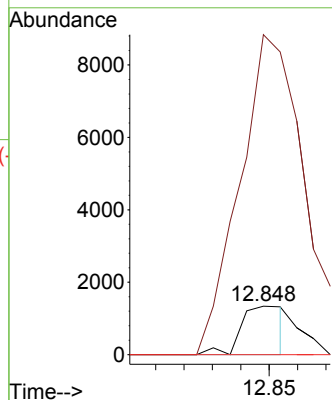
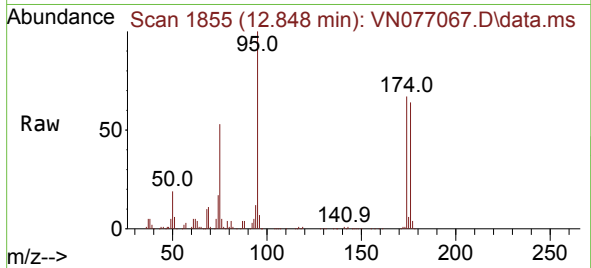




#71
Bromoform
Concen: 0.406 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.271 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

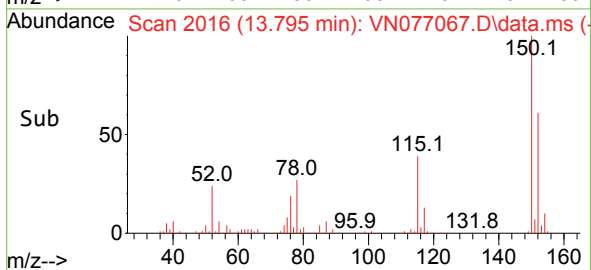
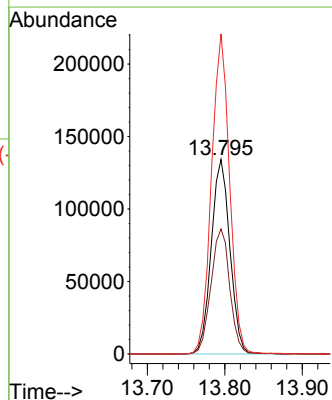
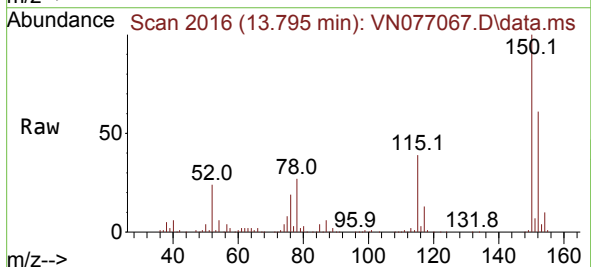
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230313DL

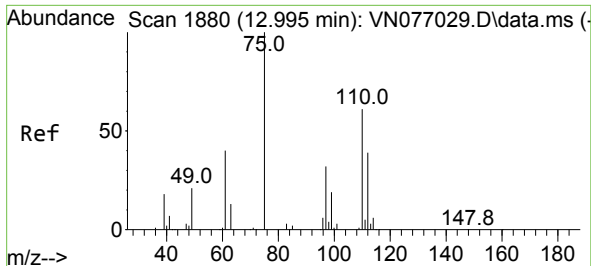
Tgt Ion:173 Resp: 1434
Ion Ratio Lower Upper
173 100
175 681.1 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

Tgt Ion:152 Resp: 224983
Ion Ratio Lower Upper
152 100
115 65.1 31.9 95.7
150 159.5 0.0 348.0

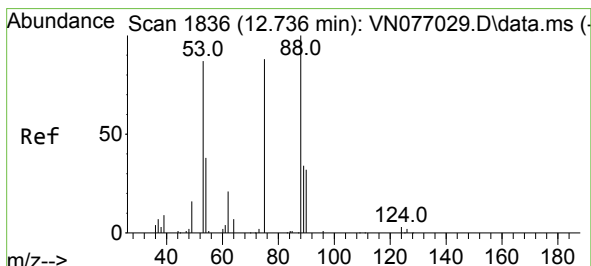
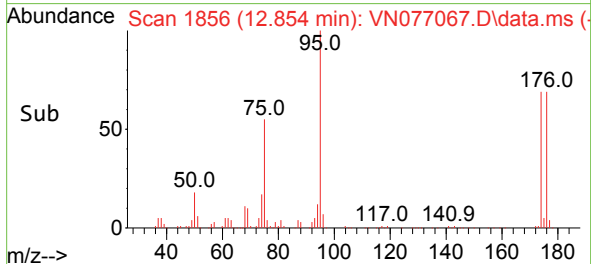
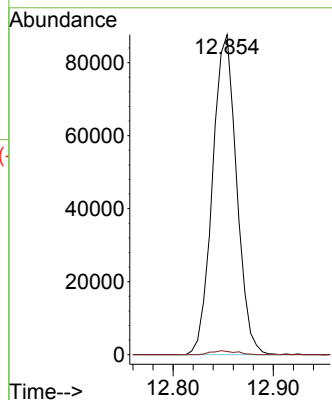
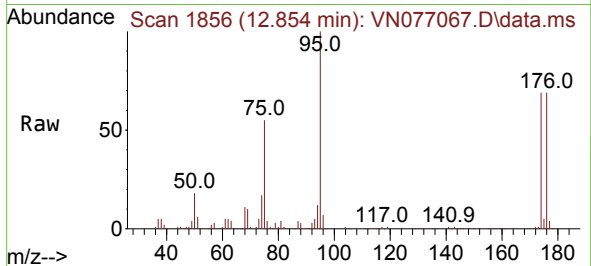




#76
1,2,3-Trichloropropane
Concen: 25.150 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

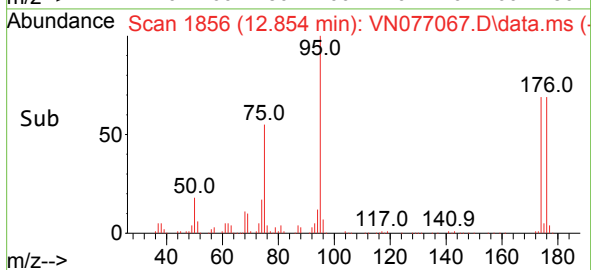
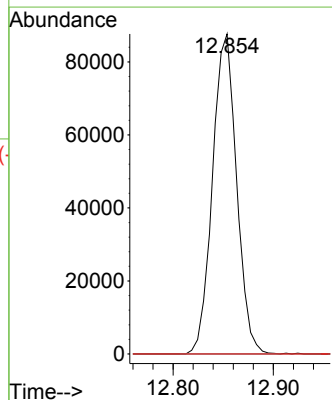
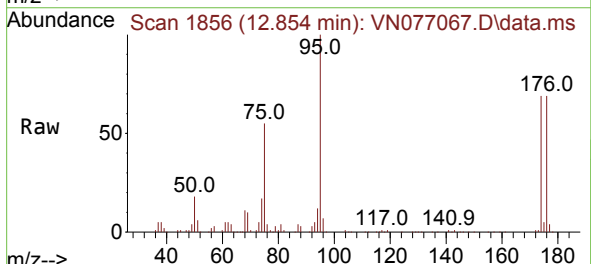
Instrument :
MSVOA_N
ClientSampleId :
RW4-20230313DL

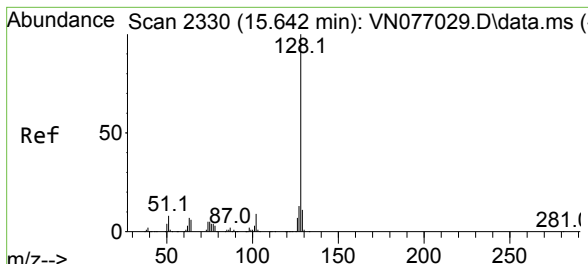
Tgt Ion: 75 Resp: 146360
Ion Ratio Lower Upper
75 100
77 1.3 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.227 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077067.D
Acq: 20 Mar 2023 14:41

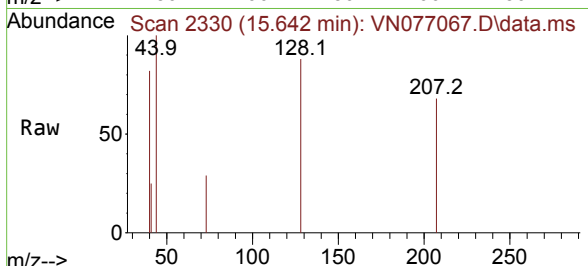
Tgt Ion: 75 Resp: 146360
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 1.975 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077067.D
 Acq: 20 Mar 2023 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20230313DL



Tgt Ion:	128	Resp:	977
Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.0	15.0#
129	0.0	8.6	13.0#

