

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077929.D
 Acq On : 26 May 2023 15:53
 Operator : JC\MD
 Sample : 02945-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP03

Quant Time: May 29 00:30:03 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)

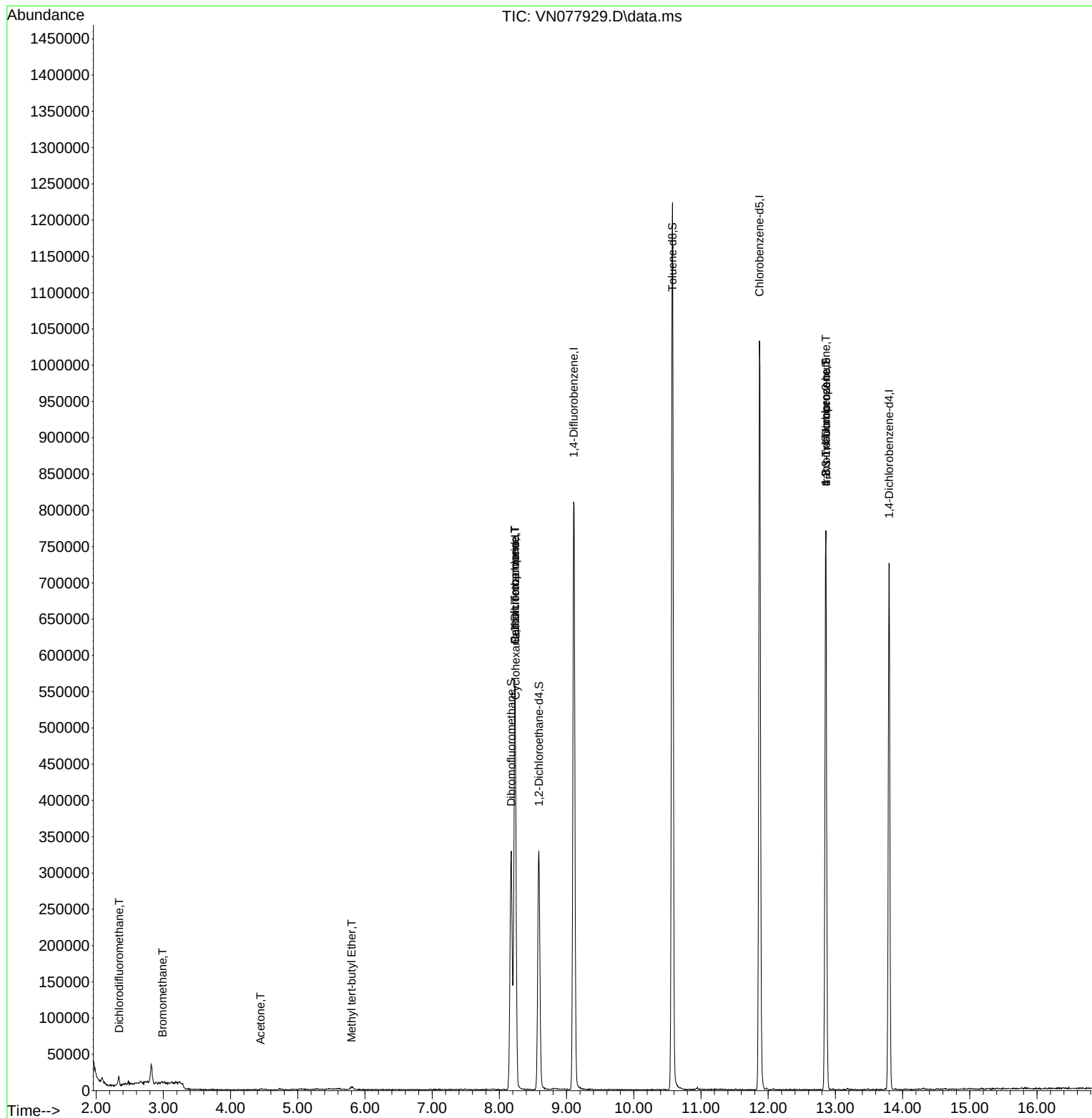
Internal Standards						
1) Pentafluorobenzene	8.236	168	404215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	729554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	627342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	186659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	275680	45.581	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.160%
35) Dibromofluoromethane	8.177	113	237128	49.845	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.680%
50) Toluene-d8	10.577	98	896390	48.953	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.859	95	280877	43.431	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.860%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.342	85	1527	0.332	ug/l	90
3) Chloromethane	2.371	50	1509	Below Cal	#	86
5) Bromomethane	2.989	94	1822	0.425	ug/l	81
13) Acrolein	4.248	56	181	Below Cal	#	16
16) Acetone	4.448	43	811	0.426	ug/l	# 40
19) Methyl tert-butyl Ether	5.800	73	3152	0.205	ug/l	# 75
20) Methylene Chloride	5.271	84	242	Below Cal	#	51
31) Cyclohexane	8.241	56	9947	1.210	ug/l	# 57
36) 1,1-Dichloropropene	8.230	75	35946	5.166	ug/l	# 48
38) Carbon Tetrachloride	8.236	117	46483	6.615	ug/l	# 16
76) 1,2,3-Trichloropropane	12.859	75	153024	32.735	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	153024	104.638	ug/l	# 15

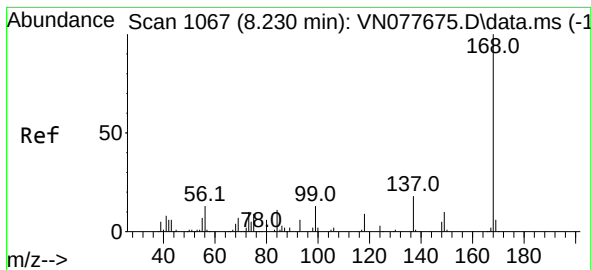
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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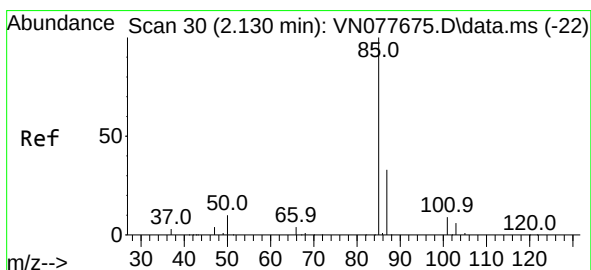
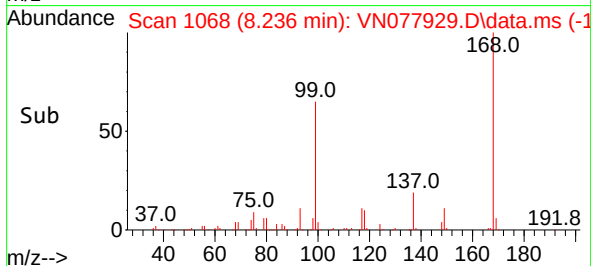
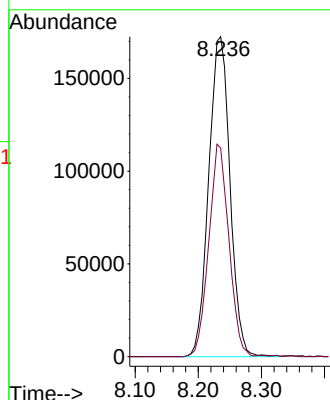
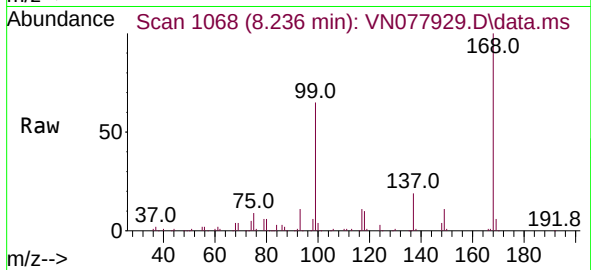




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

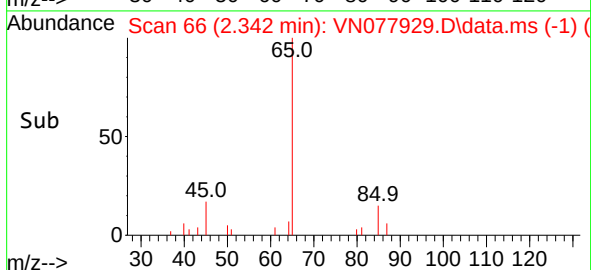
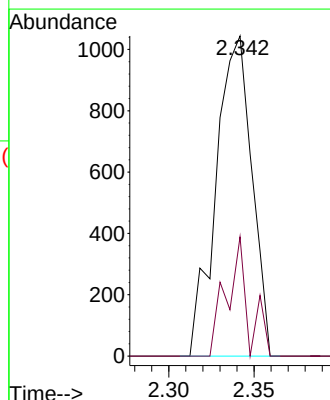
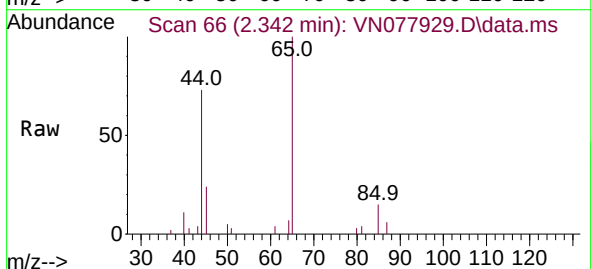
Instrument :
MSVOA_N
ClientSampleId :
TWP03

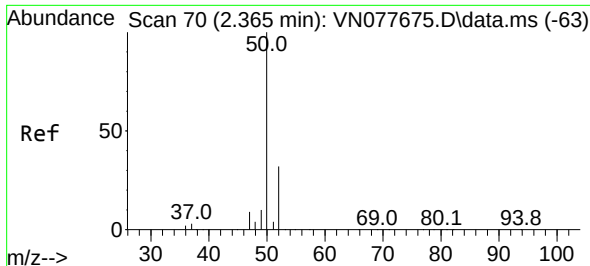
Tgt Ion:168 Resp: 404215
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.332 ug/l
RT: 2.342 min Scan# 66
Delta R.T. 0.212 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion: 85 Resp: 1527
Ion Ratio Lower Upper
85 100
87 37.3 15.8 47.4

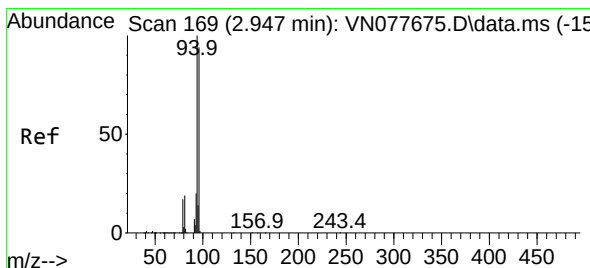
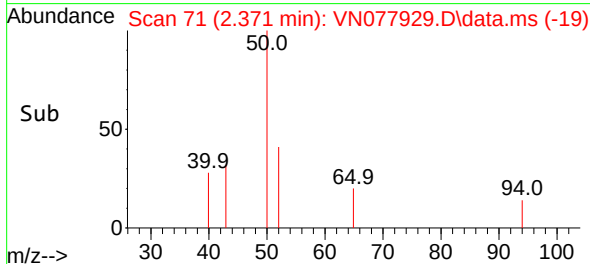
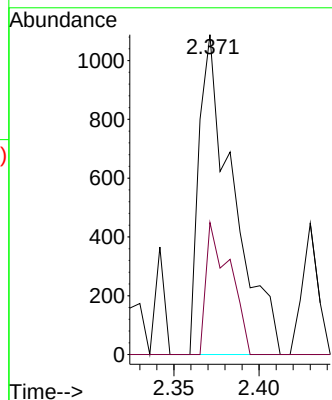
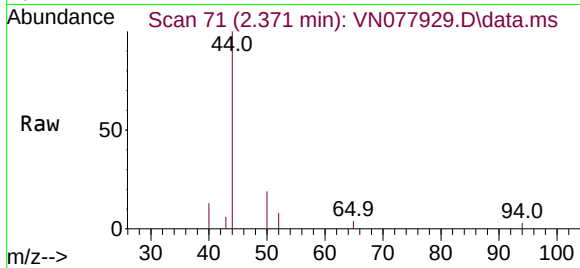




#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

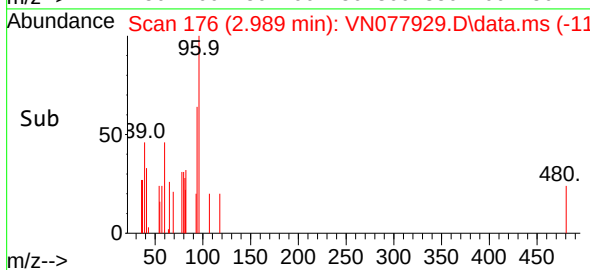
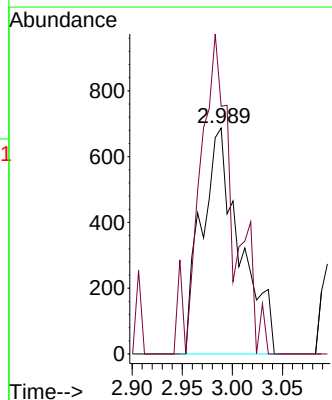
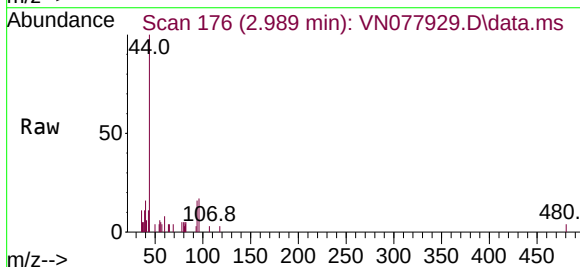
Instrument :
MSVOA_N
ClientSampleId :
TWP03

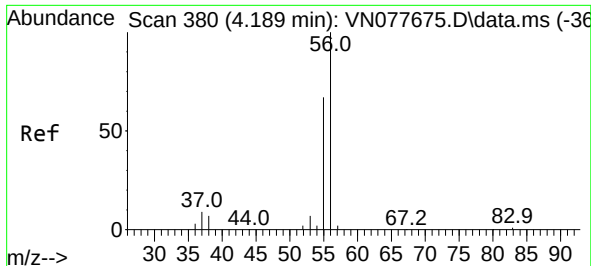
Tgt Ion: 50 Resp: 1509
Ion Ratio Lower Upper
50 100
52 41.3 26.5 39.7#



#5
Bromomethane
Concen: 0.425 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.042 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion: 94 Resp: 1822
Ion Ratio Lower Upper
94 100
96 109.6 73.1 109.7

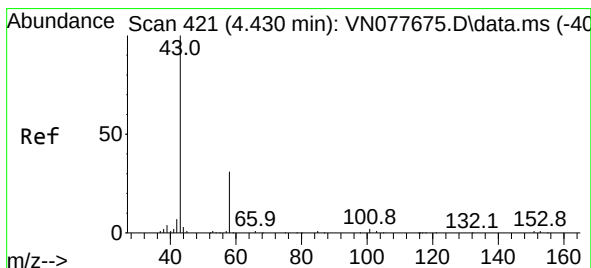
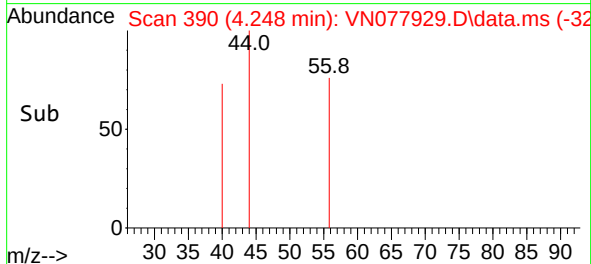
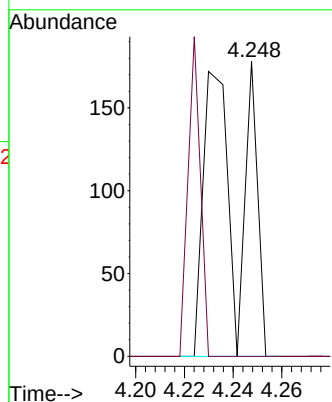
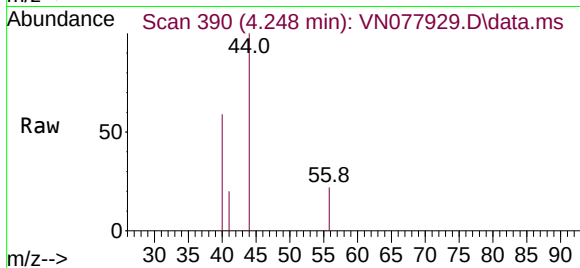




#13
Acrolein
Concen: Below Cal
RT: 4.248 min Scan# 390
Delta R.T. 0.059 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

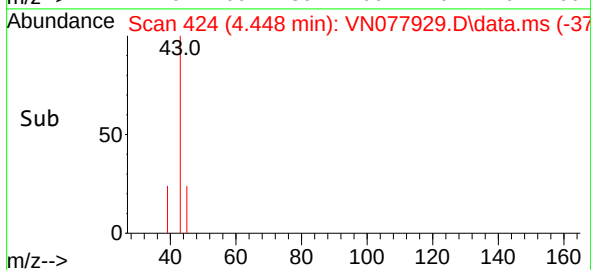
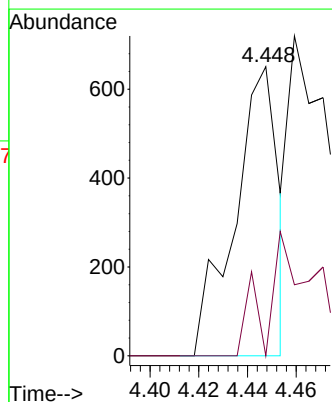
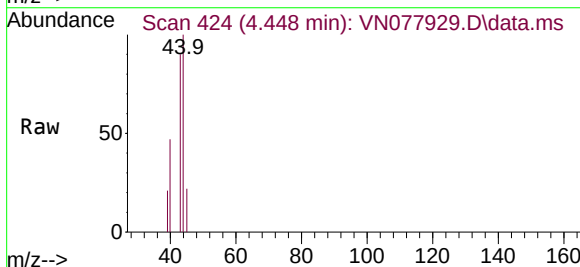
Instrument :
MSVOA_N
ClientSampleId :
TWP03

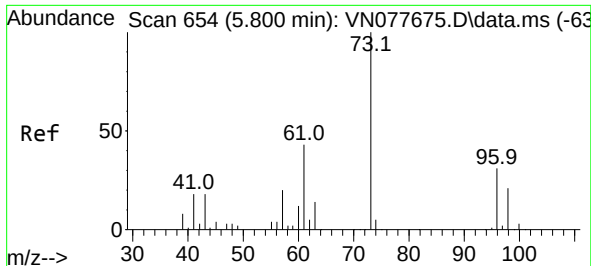
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.426 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

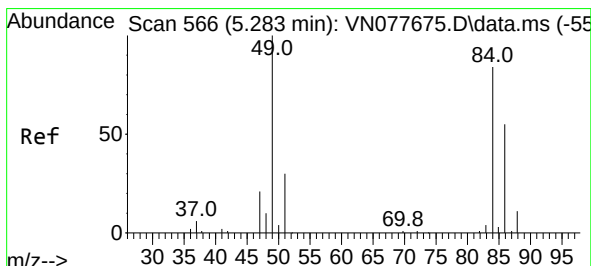
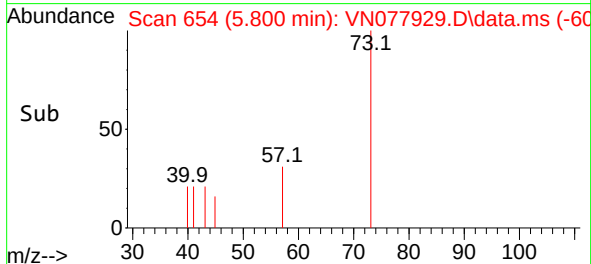
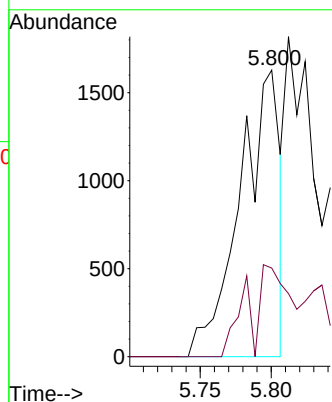
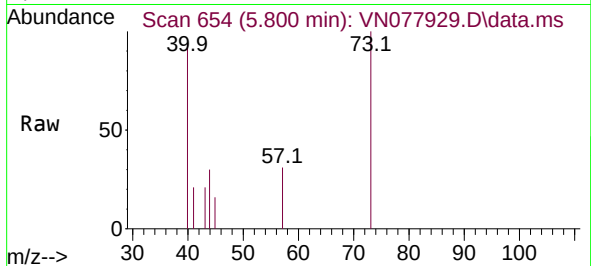




#19
Methyl tert-butyl Ether
Concen: 0.205 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

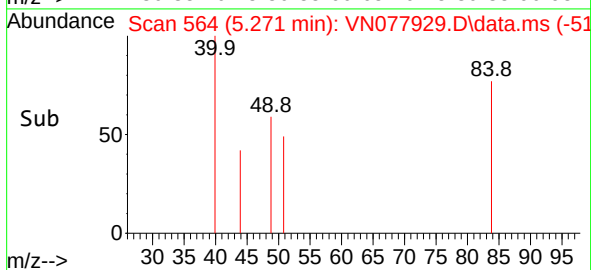
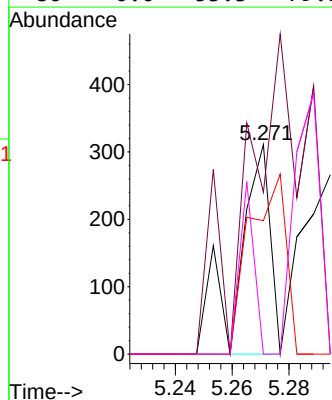
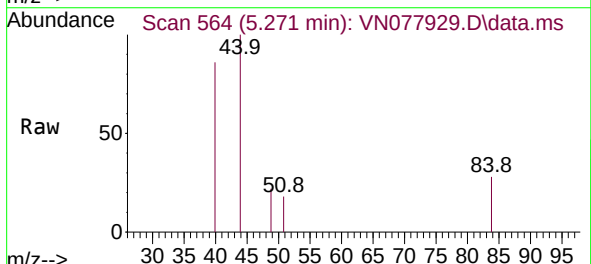
Instrument :
MSVOA_N
ClientSampleId :
TWP03

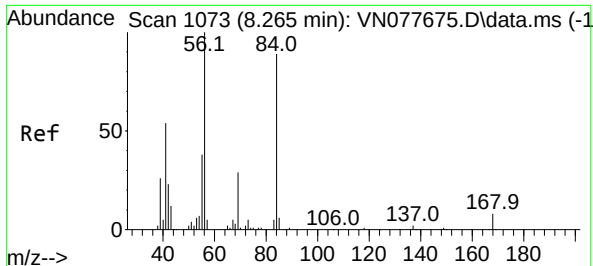
Tgt Ion: 73 Resp: 3152
Ion Ratio Lower Upper
73 100
57 30.9 15.6 23.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

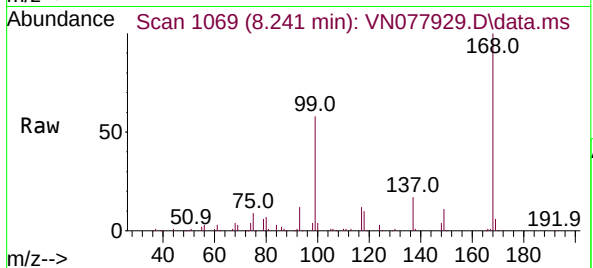
Tgt Ion: 84 Resp: 242
Ion Ratio Lower Upper
84 100
49 77.2 79.7 119.5#
51 63.7 25.2 37.8#
86 0.0 53.3 79.9#



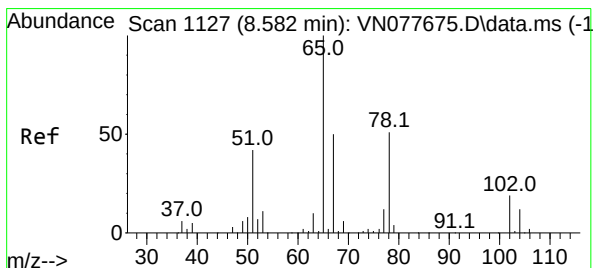
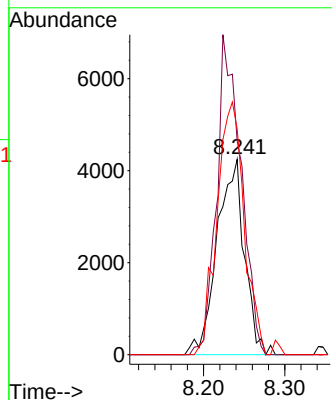
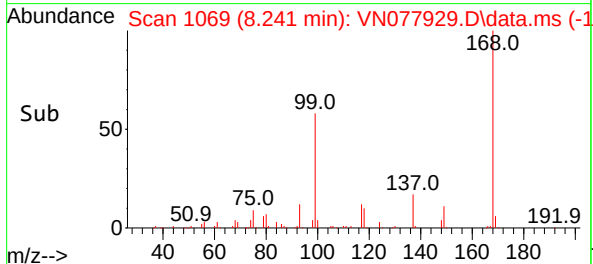


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
TWP03

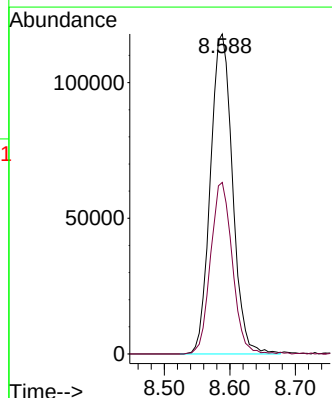
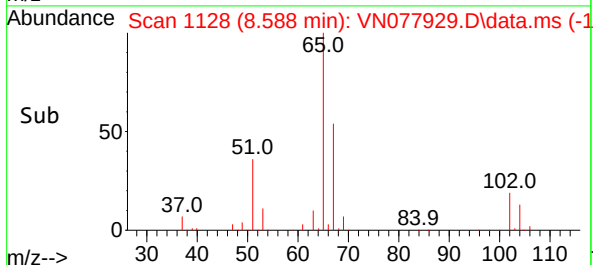
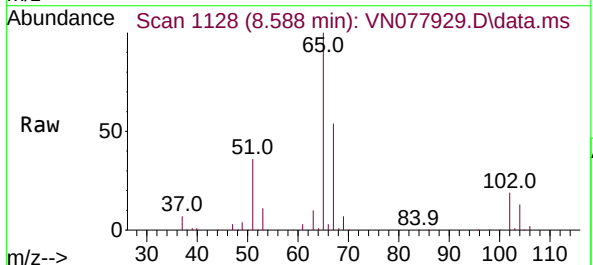


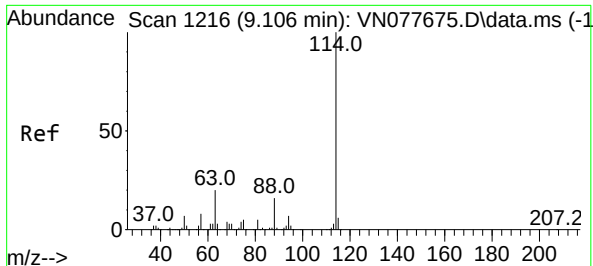
Tgt Ion: 56 Resp: 9947
Ion Ratio Lower Upper
56 100
69 109.5 26.8 40.2#
84 115.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.581 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion: 65 Resp: 275680
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077929.D

Acq: 26 May 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

TWP03

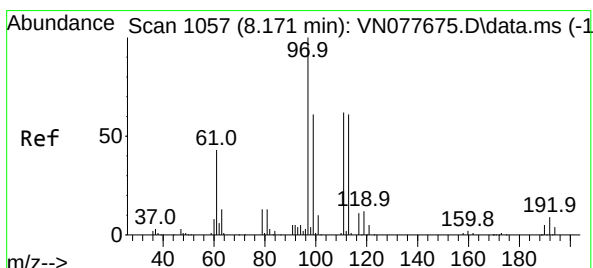
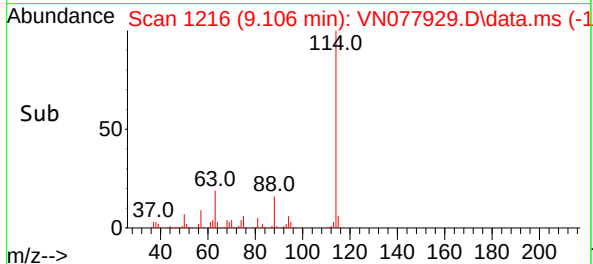
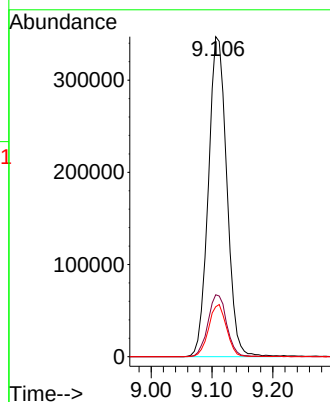
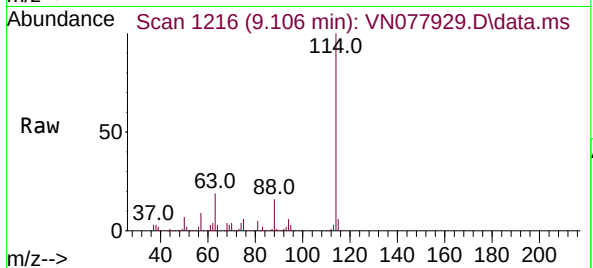
Tgt Ion:114 Resp: 729554

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.845 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077929.D

Acq: 26 May 2023 15:53

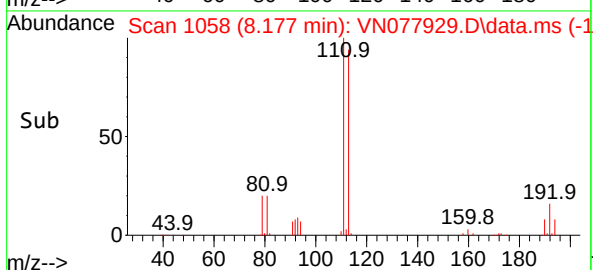
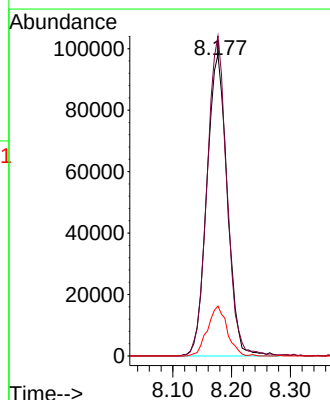
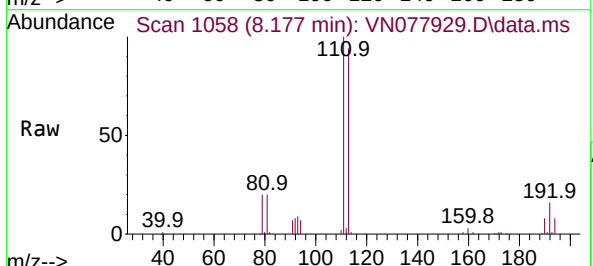
Tgt Ion:113 Resp: 237128

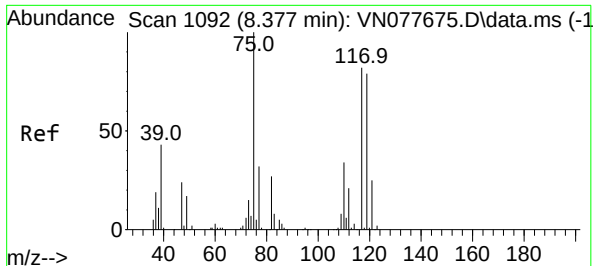
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 15.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.166 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077929.D

Acq: 26 May 2023 15:53

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TWP03

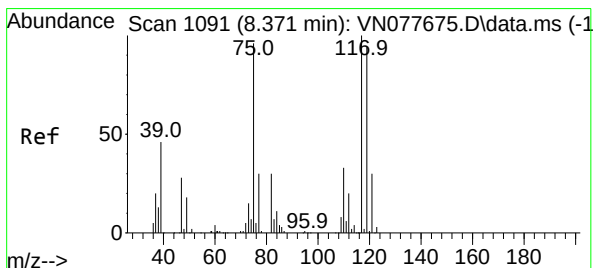
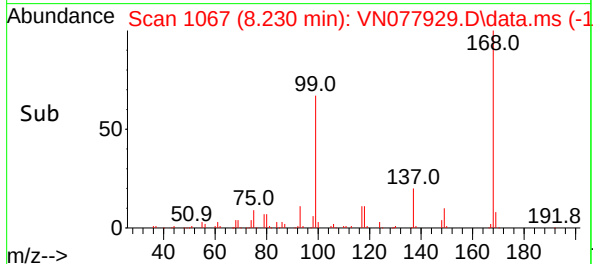
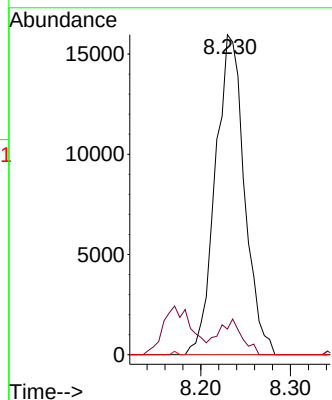
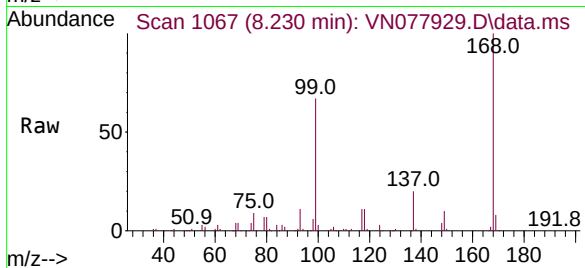
Tgt Ion: 75 Resp: 35946

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.615 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN077929.D

Acq: 26 May 2023 15:53

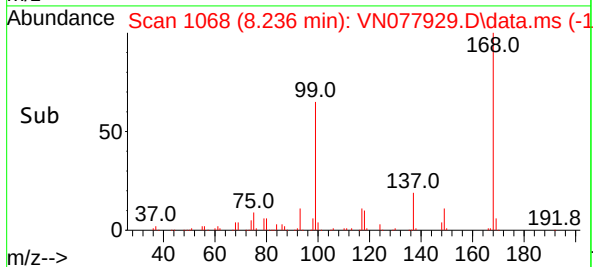
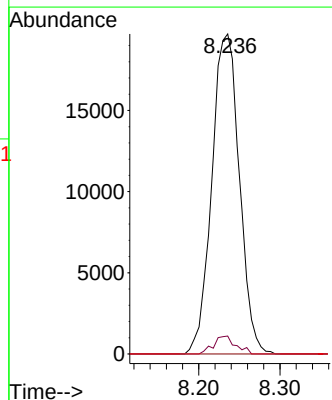
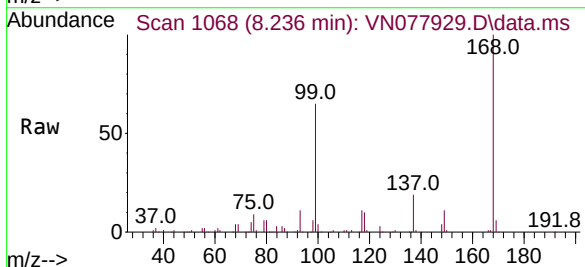
Tgt Ion: 117 Resp: 46483

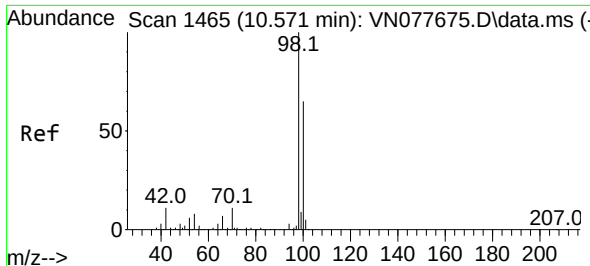
Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#

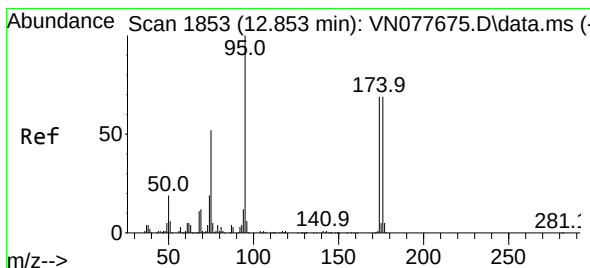
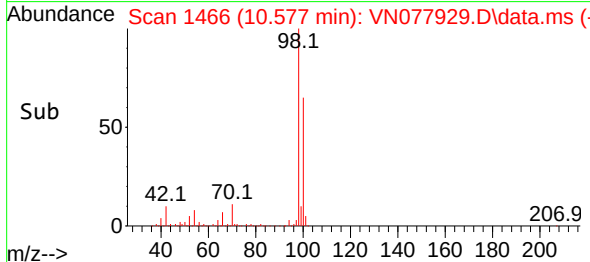
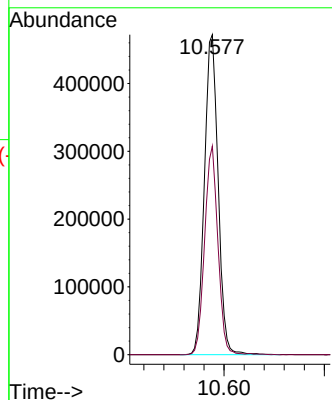
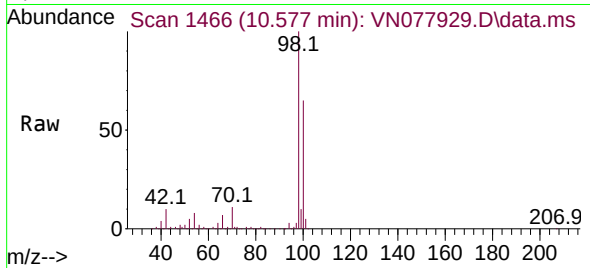




#50
Toluene-d8
Concen: 48.953 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

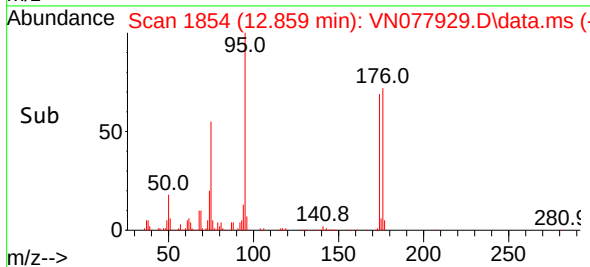
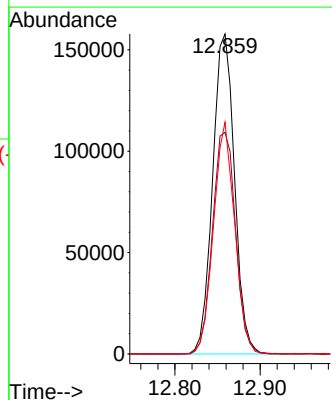
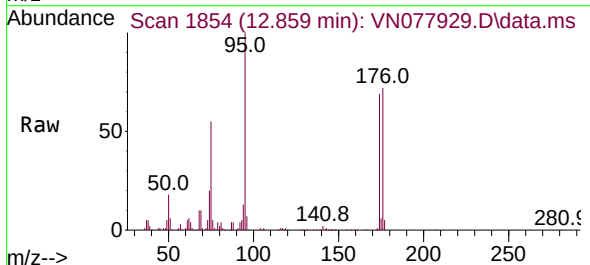
Instrument :
MSVOA_N
ClientSampleId :
TWP03

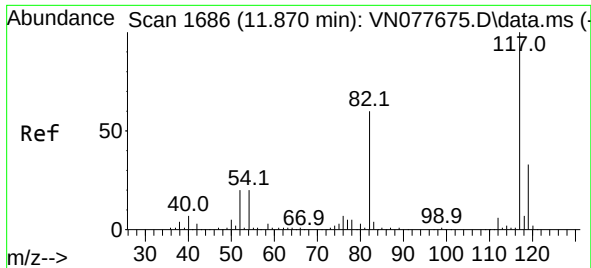
Tgt Ion: 98 Resp: 896390
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.431 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion: 95 Resp: 280877
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 70.3 0.0 135.8

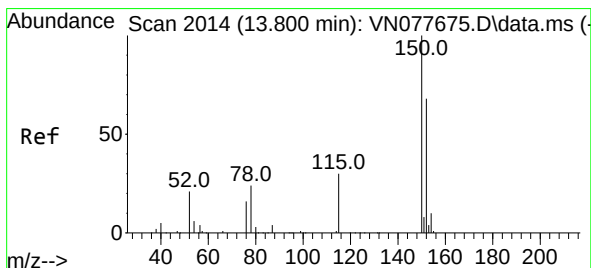
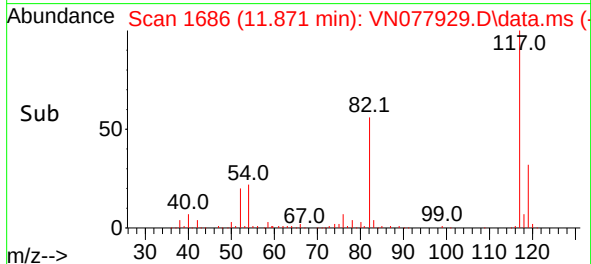
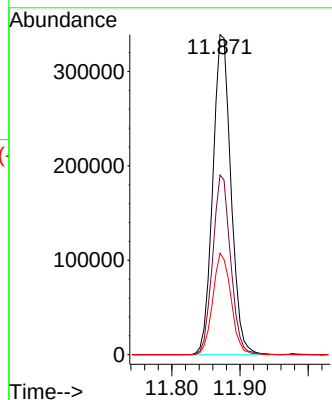
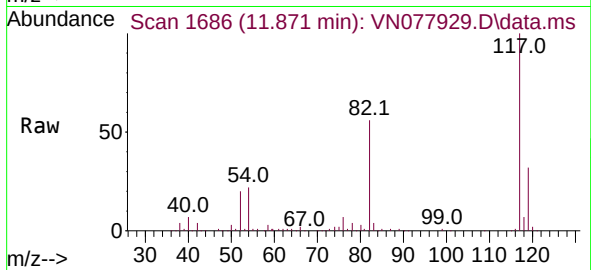




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

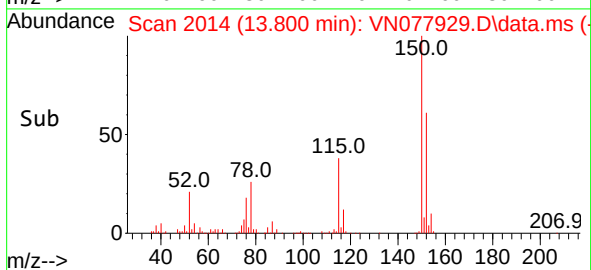
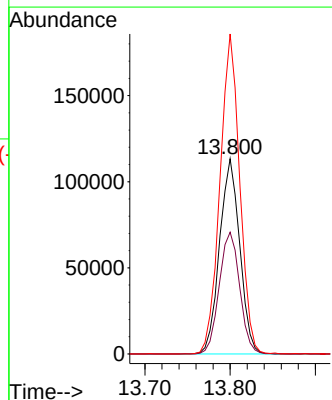
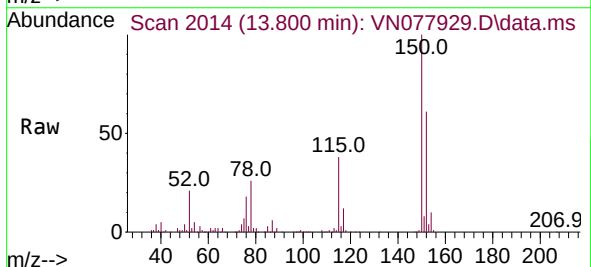
Instrument :
MSVOA_N
ClientSampleId :
TWP03

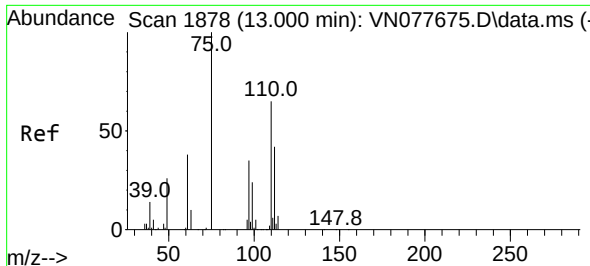
Tgt Ion:117 Resp: 627342
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion:152 Resp: 186659
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 160.1 0.0 355.8

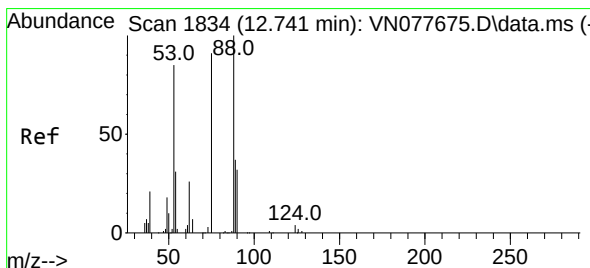
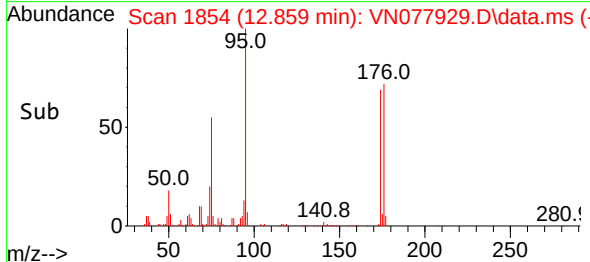
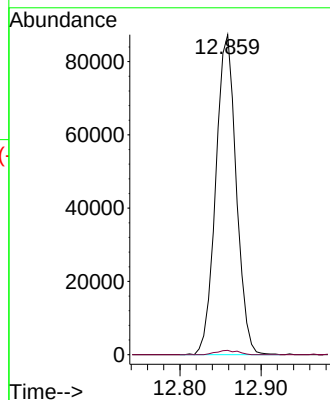
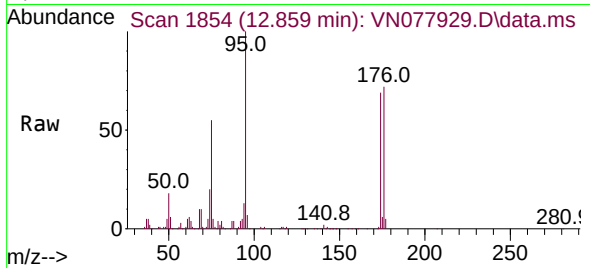




#76
1,2,3-Trichloropropane
Concen: 32.735 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
TWP03

Tgt Ion: 75 Resp: 153024
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.638 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077929.D
Acq: 26 May 2023 15:53

Tgt Ion: 75 Resp: 153024
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

