

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077975.D
 Acq On : 30 May 2023 17:27
 Operator : JC\MD
 Sample : 02911-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20230522

Quant Time: May 31 02:10:04 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)

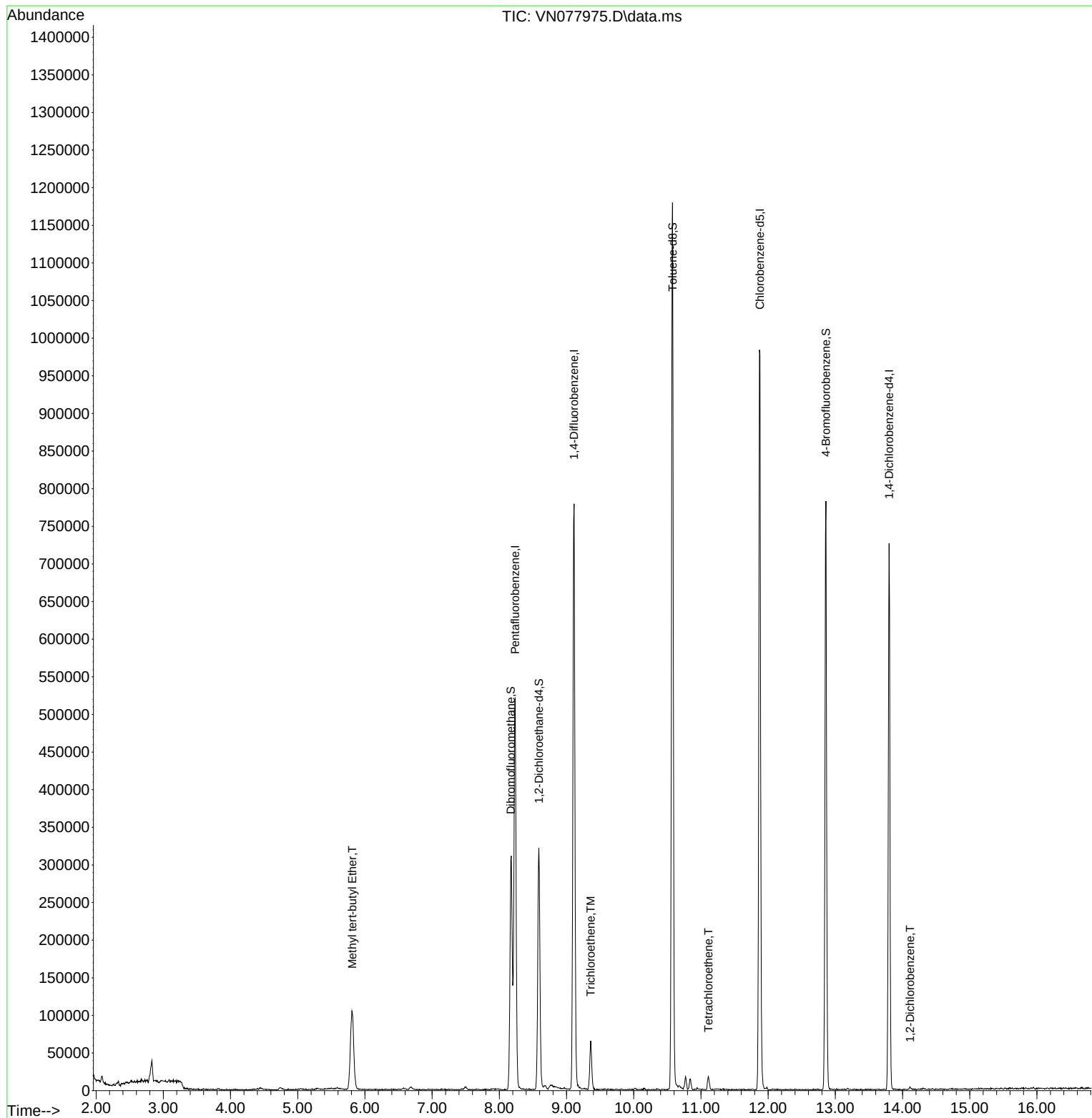
Internal Standards						
1) Pentafluorobenzene	8.236	168	375965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	686100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	603969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	190648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	263592	46.857	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.720%
35) Dibromofluoromethane	8.171	113	229555	51.309	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.620%
50) Toluene-d8	10.577	98	854066	49.595	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.859	95	276317	45.432	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.860%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.812	73	176084	12.302	ug/l	99
44) Trichloroethene	9.359	130	21450	4.387	ug/l	81
64) Tetrachloroethene	11.112	164	3980	0.942	ug/l	84
91) 1,2-Dichlorobenzene	14.112	146	1774	0.274	ug/l	87

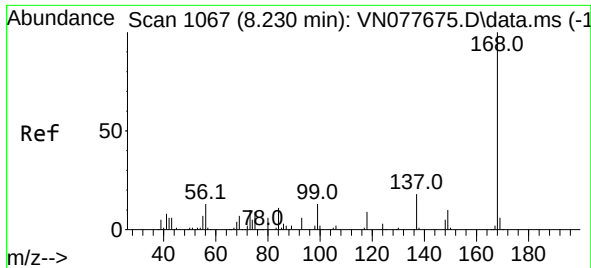
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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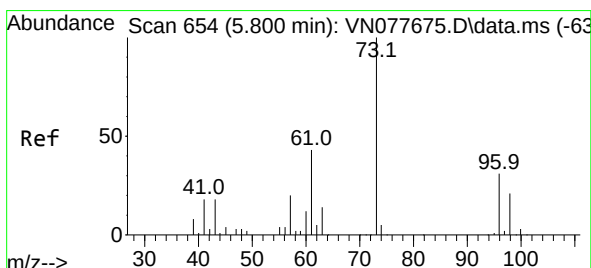
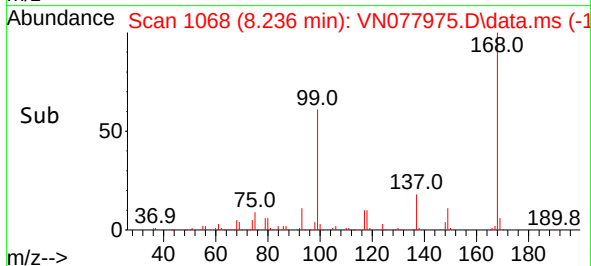
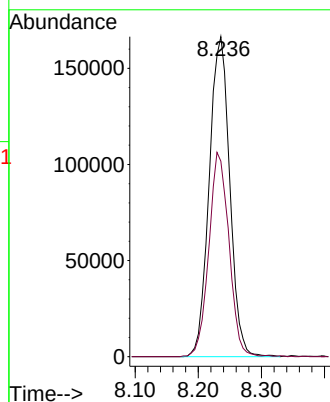
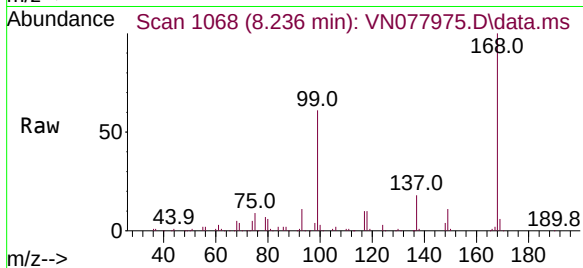




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN077975.D
Acq: 30 May 2023 17:27

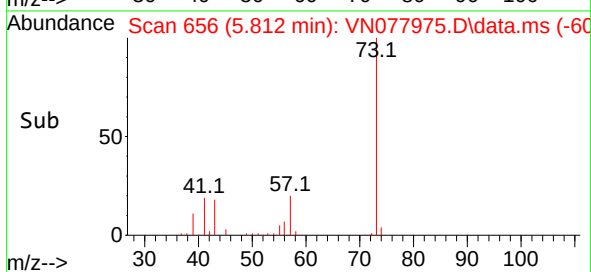
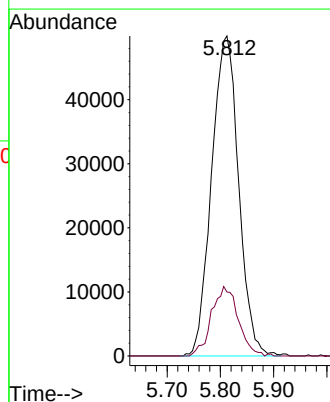
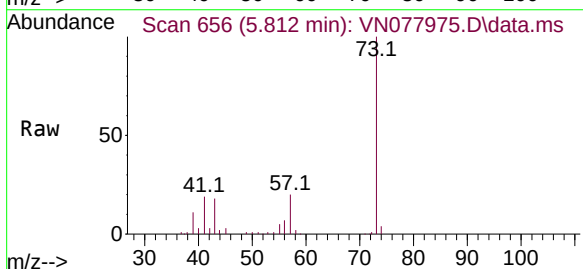
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230522

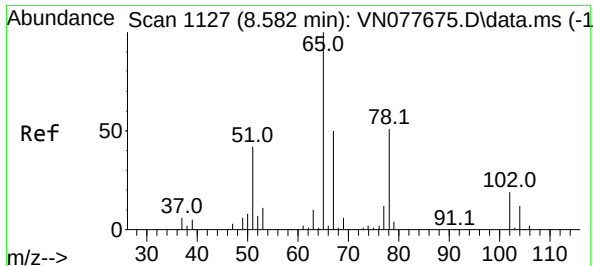
Tgt Ion:168 Resp: 375965
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#19
Methyl tert-butyl Ether
Concen: 12.302 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.012 min
Lab File: VN077975.D
Acq: 30 May 2023 17:27

Tgt Ion: 73 Resp: 176084
Ion Ratio Lower Upper
73 100
57 20.0 15.6 23.4





#33

1,2-Dichloroethane-d4

Concen: 46.857 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077975.D

Acq: 30 May 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :

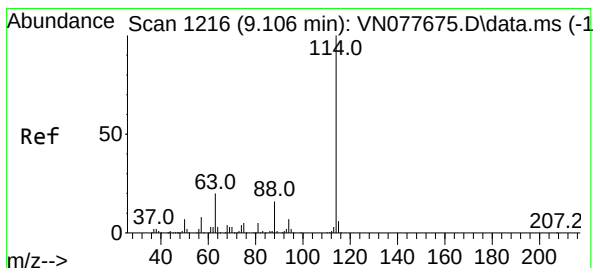
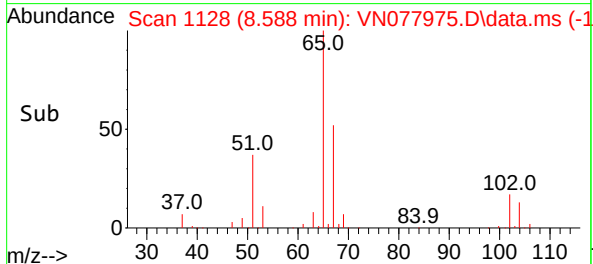
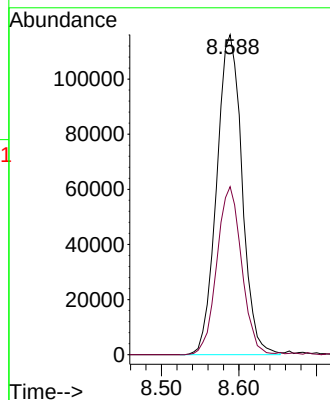
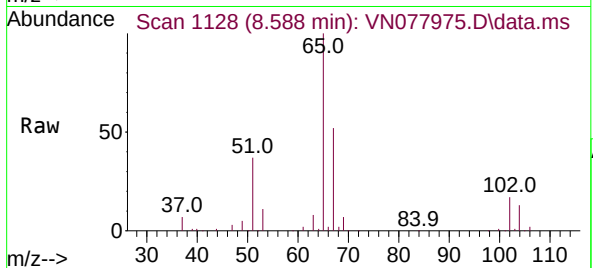
TT149S1-20230522

Tgt Ion: 65 Resp: 263592

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077975.D

Acq: 30 May 2023 17:27

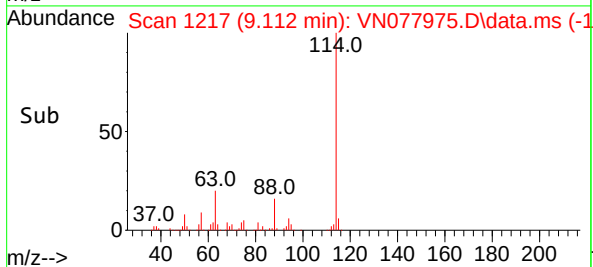
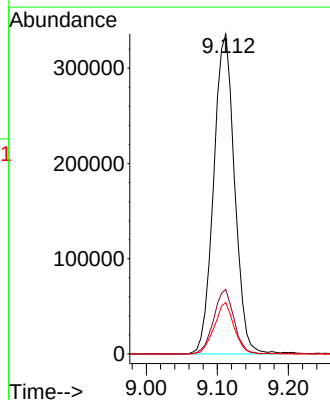
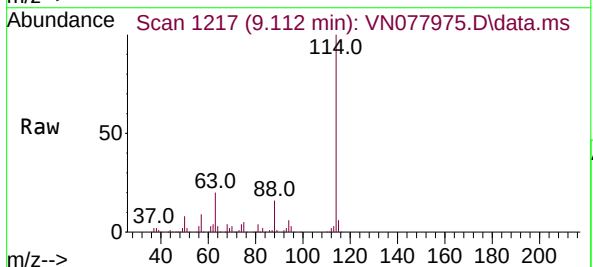
Tgt Ion: 114 Resp: 686100

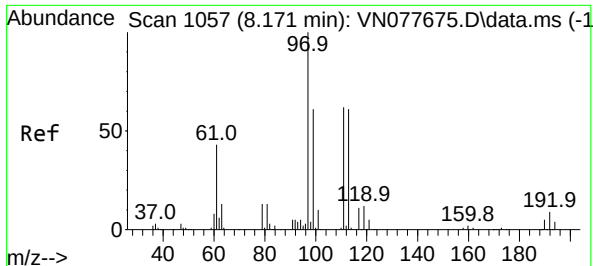
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.309 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077975.D

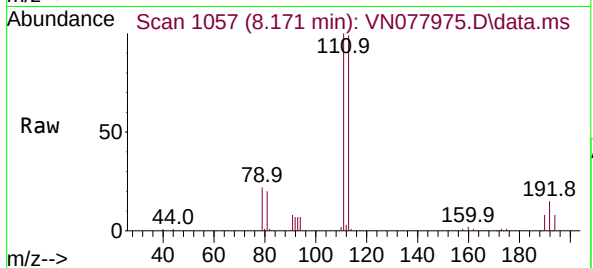
Acq: 30 May 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20230522



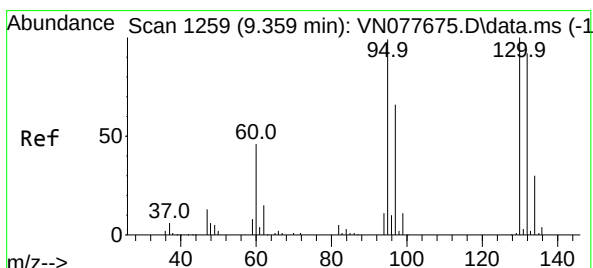
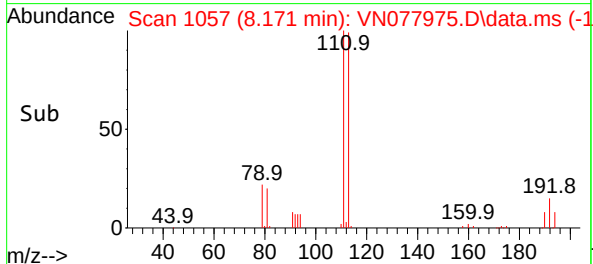
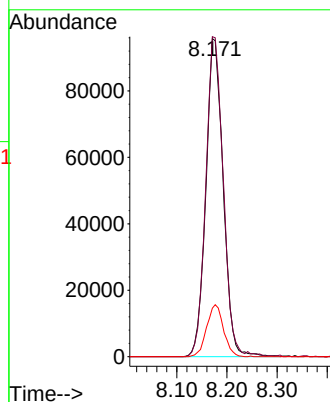
Tgt Ion:113 Resp: 229555

Ion Ratio Lower Upper

113 100

111 100.8 82.6 123.8

192 15.9 12.7 19.1



#44

Trichloroethene

Concen: 4.387 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN077975.D

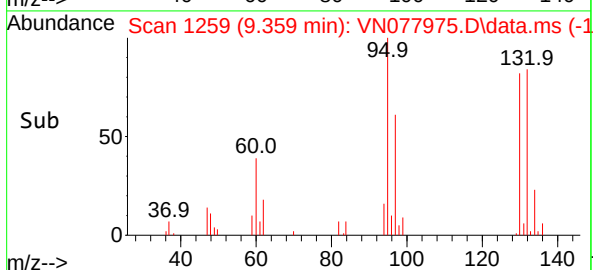
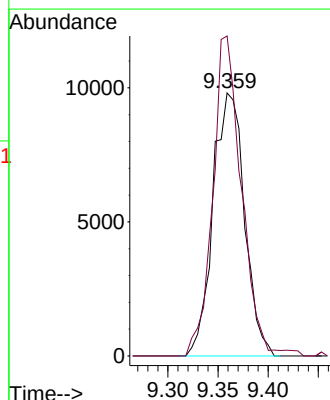
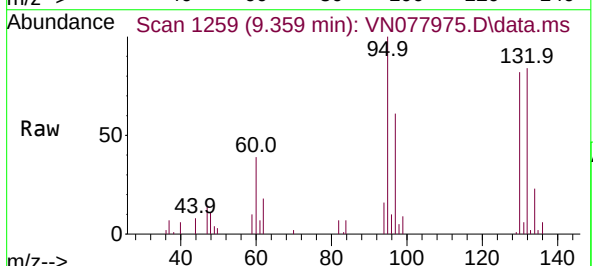
Acq: 30 May 2023 17:27

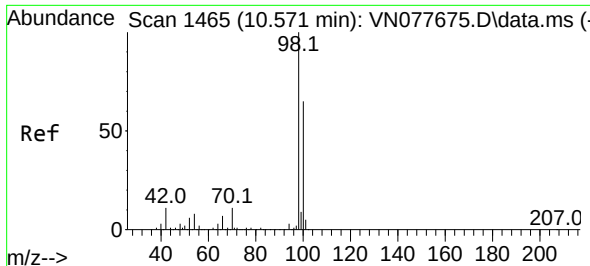
Tgt Ion:130 Resp: 21450

Ion Ratio Lower Upper

130 100

95 121.6 0.0 204.6

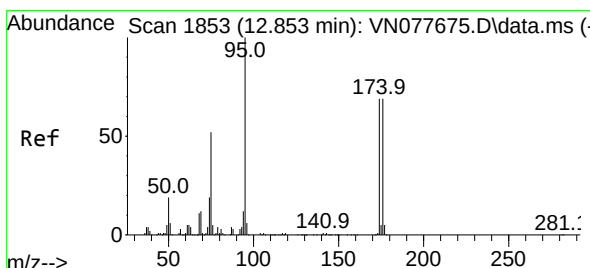
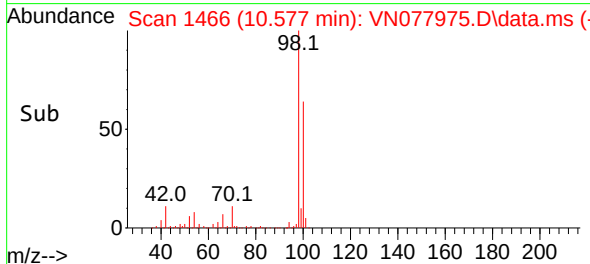
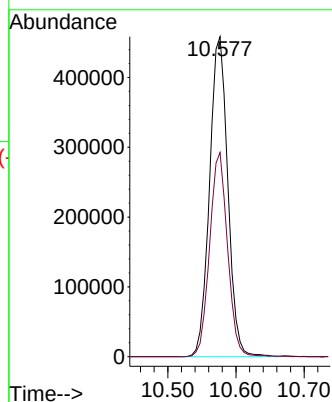
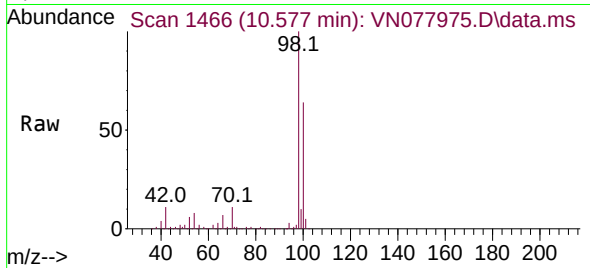




#50
Toluene-d8
Concen: 49.595 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077975.D
Acq: 30 May 2023 17:27

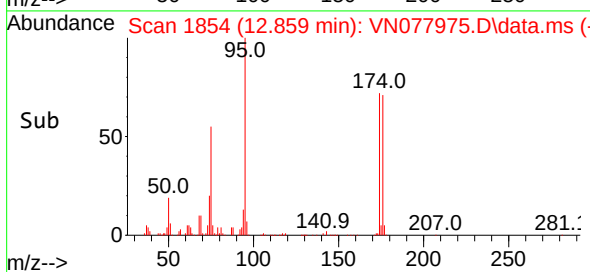
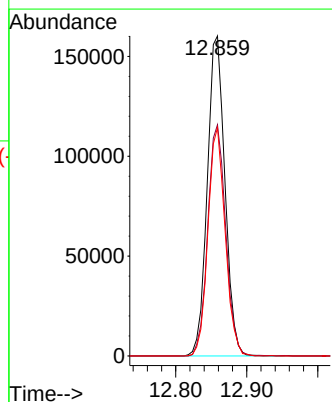
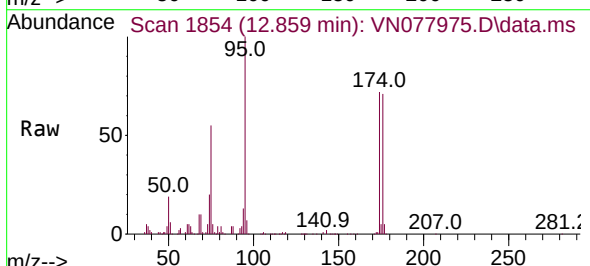
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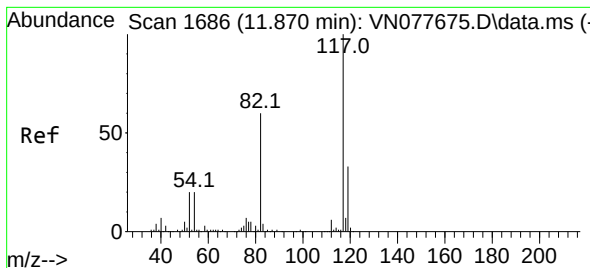
Tgt Ion: 98 Resp: 854066
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.432 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077975.D
Acq: 30 May 2023 17:27

Tgt Ion: 95 Resp: 276317
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 69.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.876 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077975.D

Acq: 30 May 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20230522

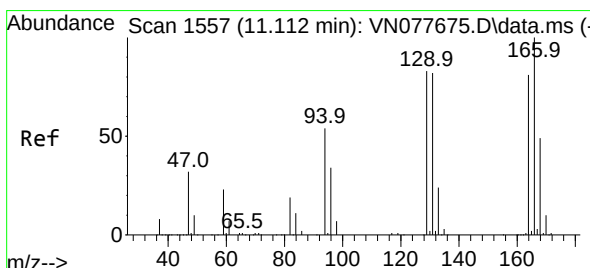
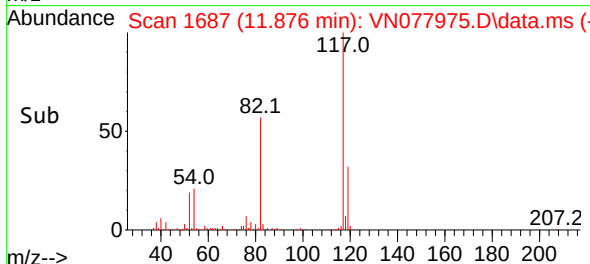
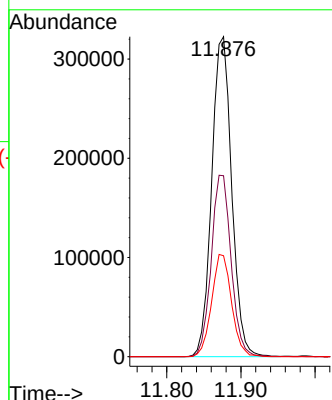
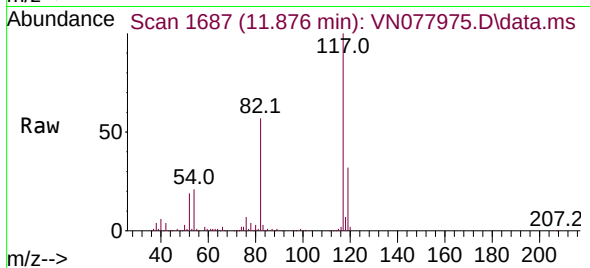
Tgt Ion:117 Resp: 603969

Ion Ratio Lower Upper

117 100

82 56.5 44.0 66.0

119 31.6 25.6 38.4



#64

Tetrachloroethene

Concen: 0.942 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VN077975.D

Acq: 30 May 2023 17:27

Tgt Ion:164 Resp: 3980

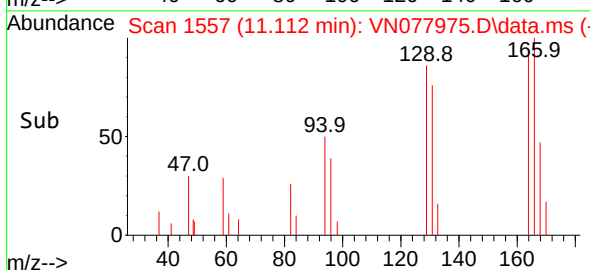
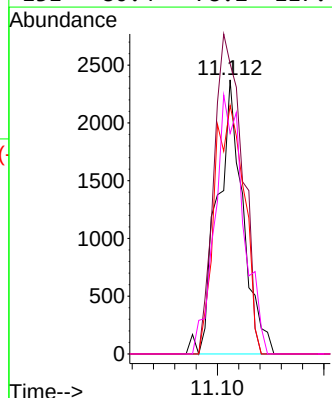
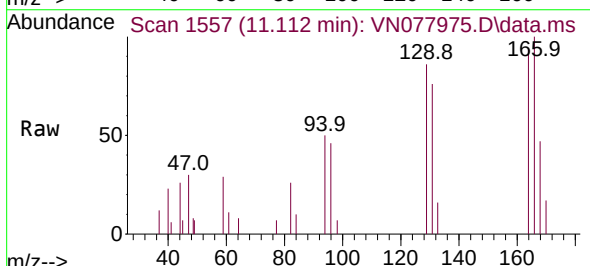
Ion Ratio Lower Upper

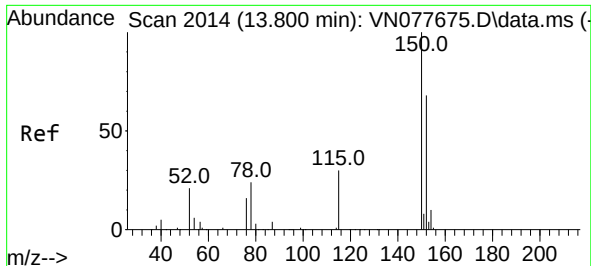
164 100

166 105.9 101.4 152.0

129 90.6 82.4 123.6

131 80.4 78.2 117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077975.D

Acq: 30 May 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20230522

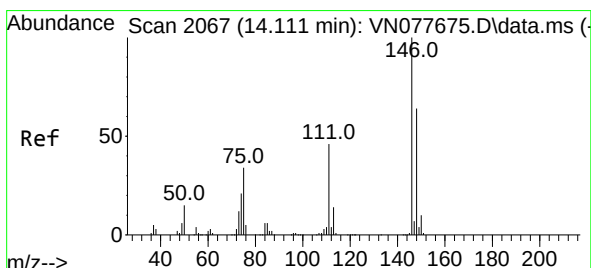
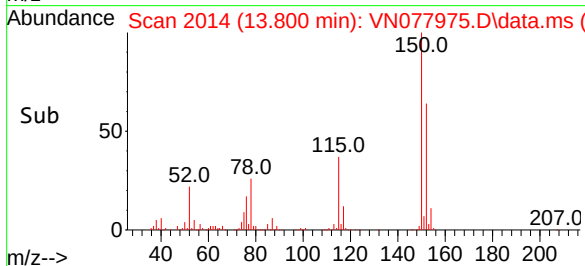
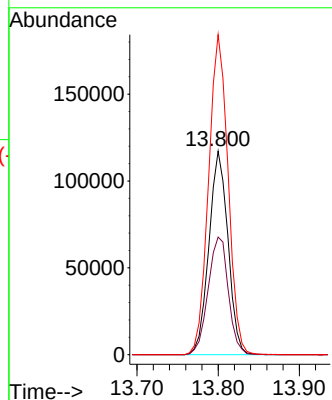
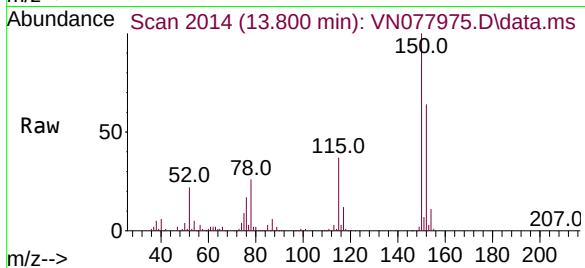
Tgt Ion:152 Resp: 190648

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 160.9 0.0 355.8



#91

1,2-Dichlorobenzene

Concen: 0.274 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN077975.D

Acq: 30 May 2023 17:27

Tgt Ion:146 Resp: 1774

Ion Ratio Lower Upper

146 100

111 29.7 22.0 66.0

148 58.6 31.8 95.3

