

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077999.D
 Acq On : 31 May 2023 17:43
 Operator : JC\MD
 Sample : 02943-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D1-20230523

Quant Time: Jun 01 01:56:45 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)

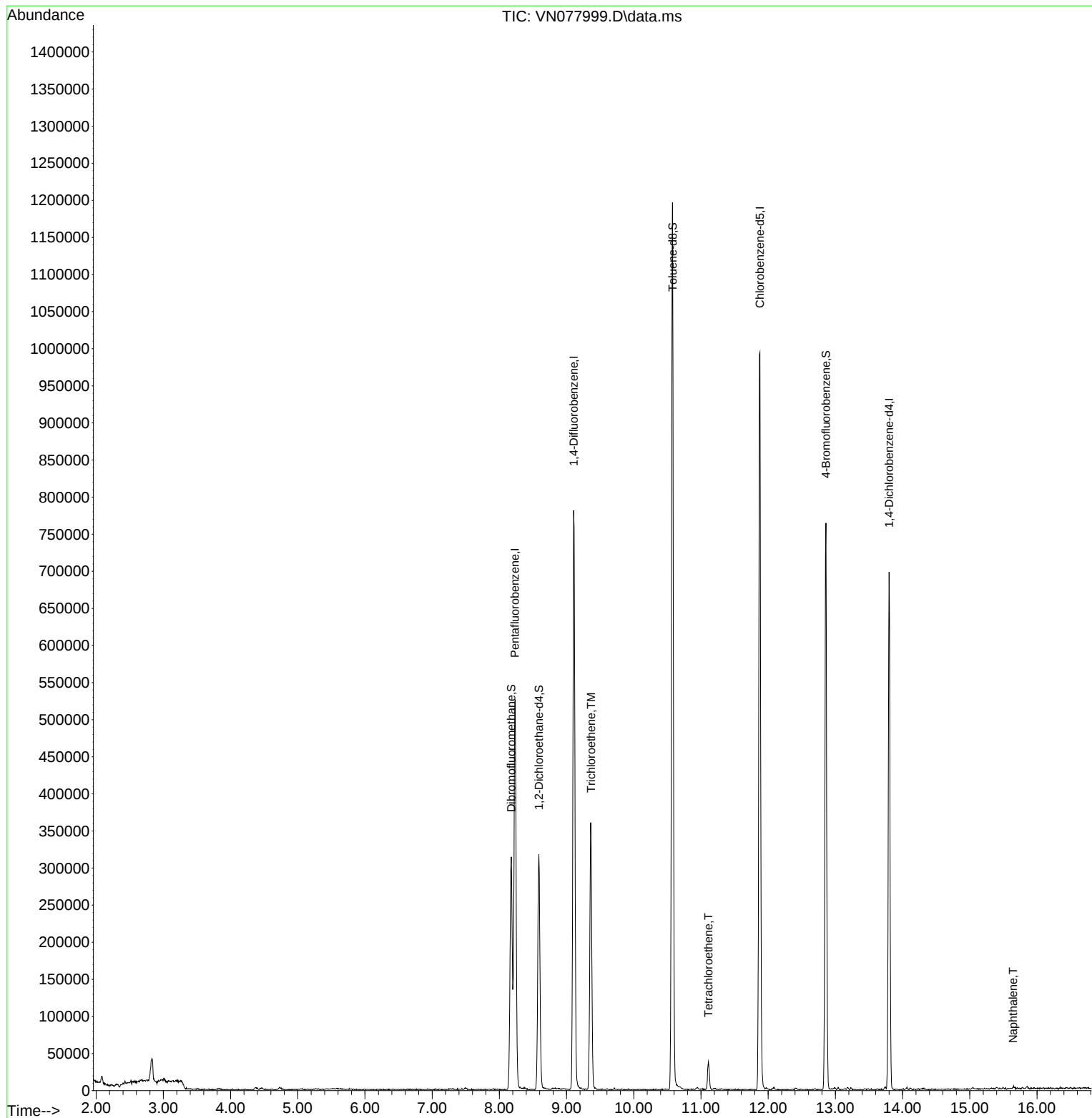
Internal Standards						
1) Pentafluorobenzene	8.230	168	381783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	692875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	616478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	187209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	259920	45.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.000%		
35) Dibromofluoromethane	8.177	113	228500	50.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.140%		
50) Toluene-d8	10.576	98	861211	49.521	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.040%		
62) 4-Bromofluorobenzene	12.859	95	275301	44.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.640%		
Target Compounds						
44) Trichloroethene	9.365	130	126183	25.554	ug/l	97
64) Tetrachloroethene	11.112	164	7853	1.822	ug/l #	83
95) Naphthalene	15.647	128	3748	0.293	ug/l #	88

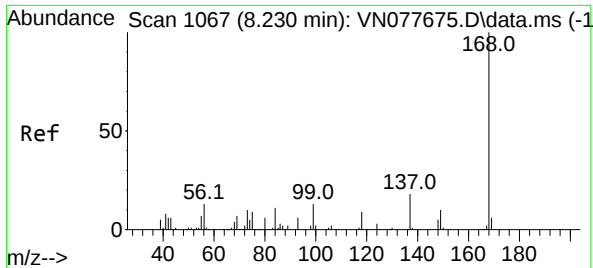
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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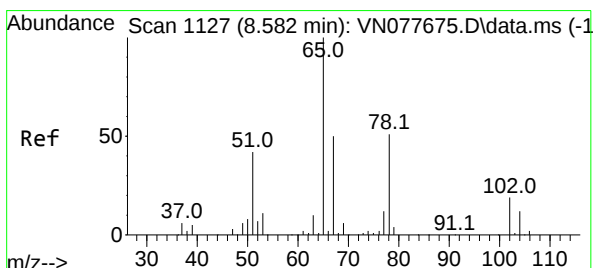
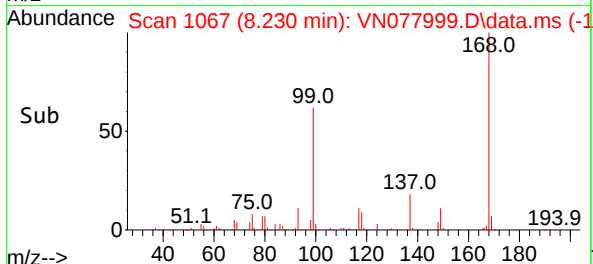
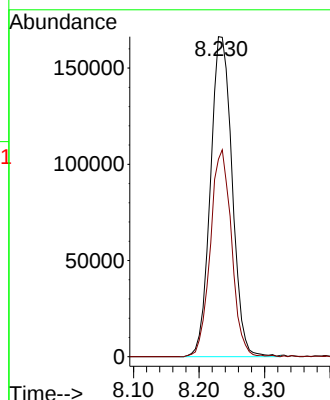
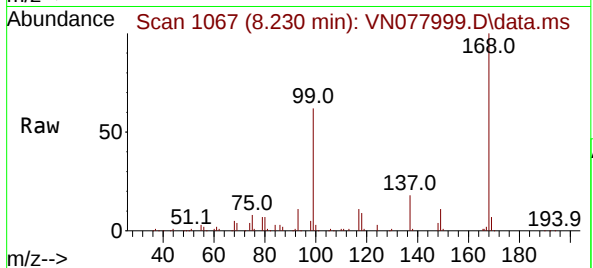




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

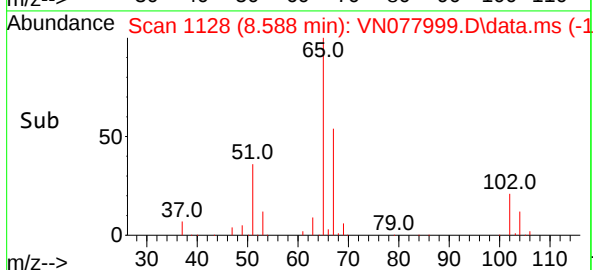
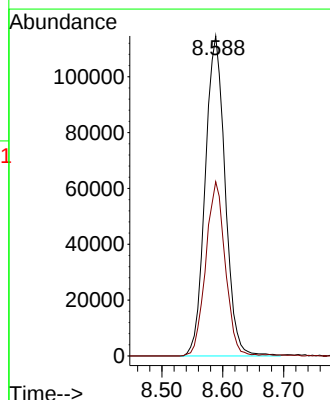
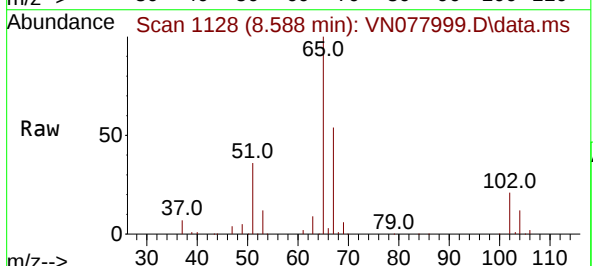
Instrument :
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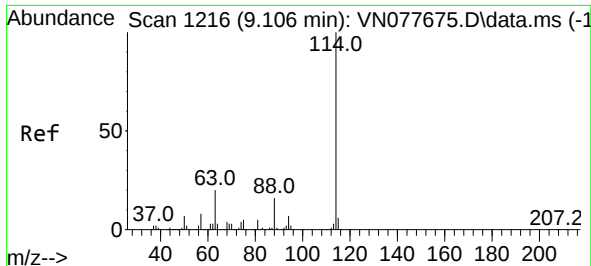
Tgt Ion:168 Resp: 381783
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 45.501 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

Tgt Ion: 65 Resp: 259920
Ion Ratio Lower Upper
65 100
67 53.2 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: VN077999.D

Acq: 31 May 2023 17:43

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20230523

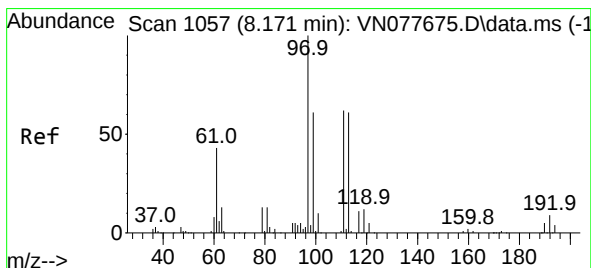
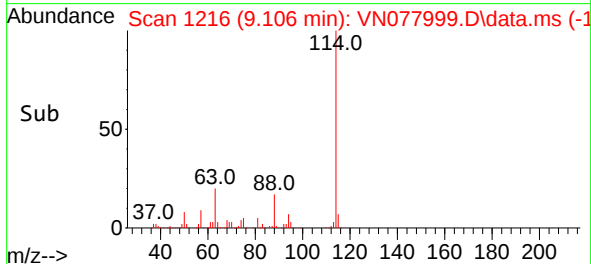
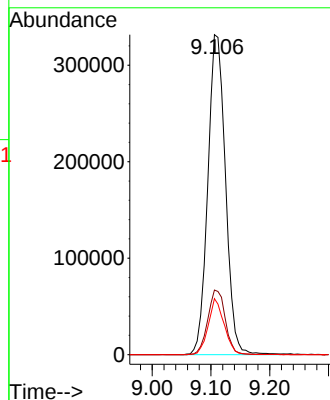
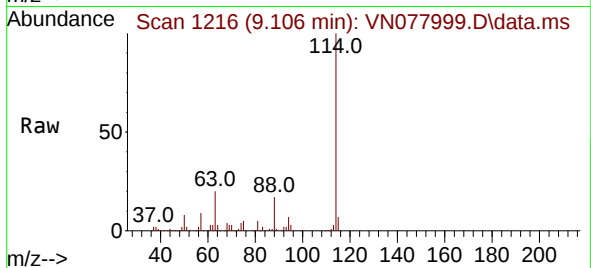
Tgt Ion:114 Resp: 692875

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 17.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077999.D

Acq: 31 May 2023 17:43

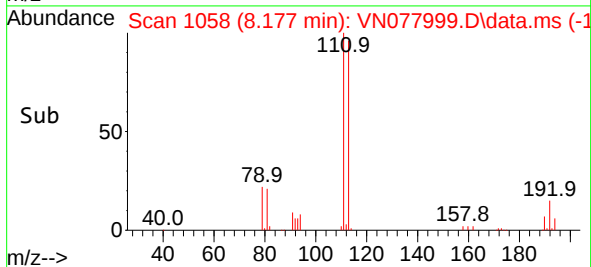
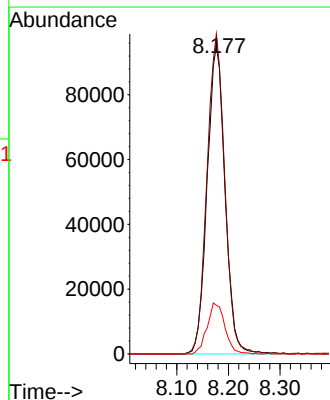
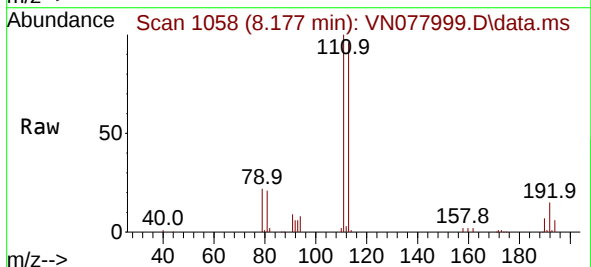
Tgt Ion:113 Resp: 228500

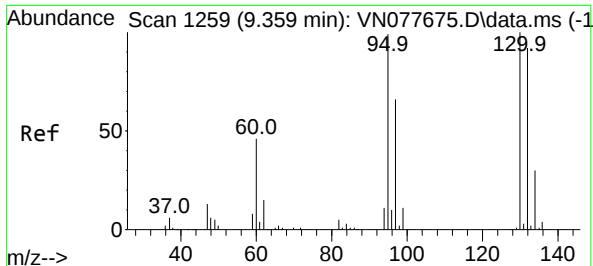
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 16.5 12.7 19.1

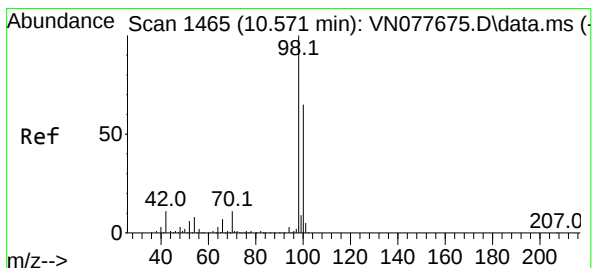
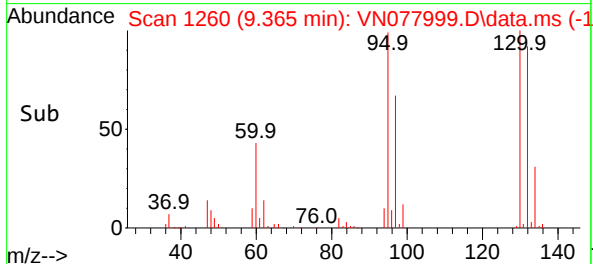
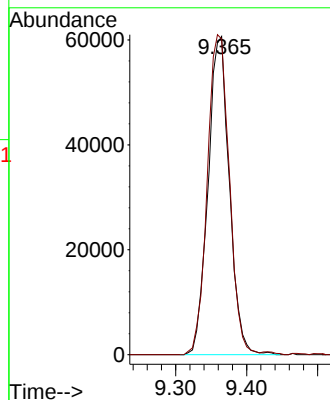
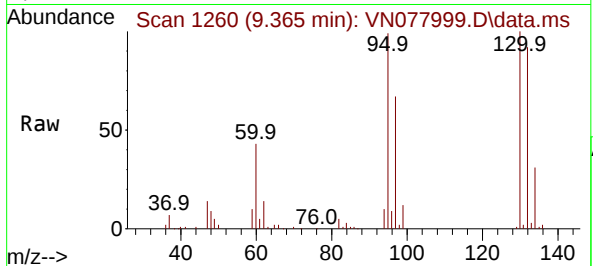




#44
Trichloroethene
Concen: 25.554 ug/l
RT: 9.365 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

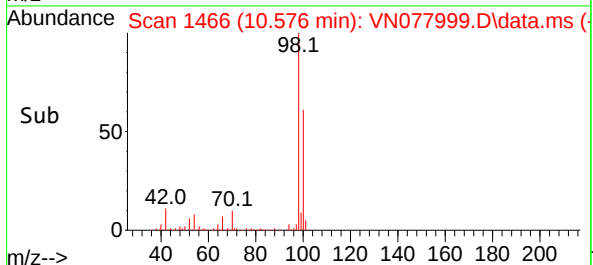
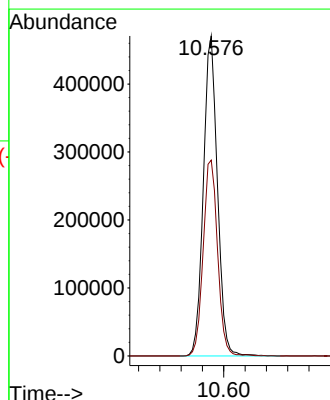
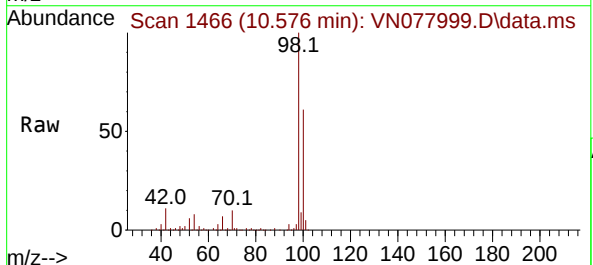
Instrument :
MSVOA_N
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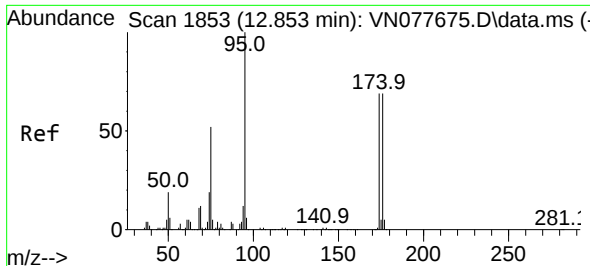
Tgt Ion:130 Resp: 126183
Ion Ratio Lower Upper
130 100
95 99.2 0.0 204.6



#50
Toluene-d8
Concen: 49.521 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

Tgt Ion: 98 Resp: 861211
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0

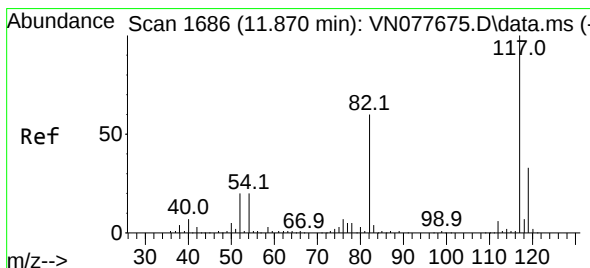
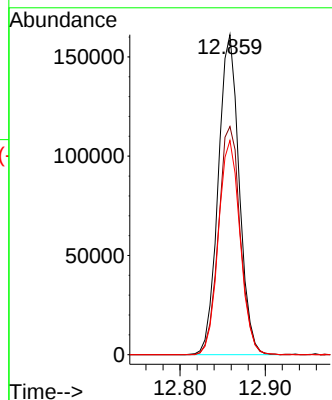
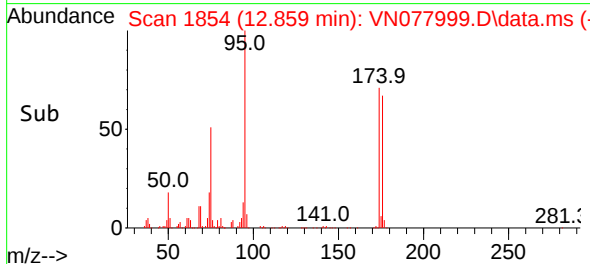
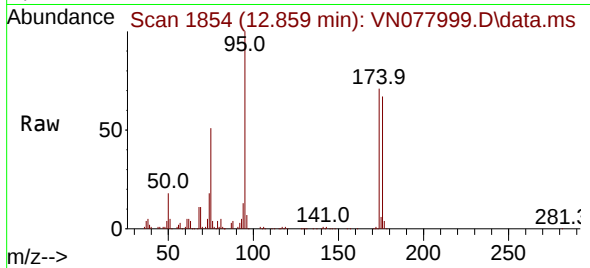




#62
4-Bromofluorobenzene
Concen: 44.822 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

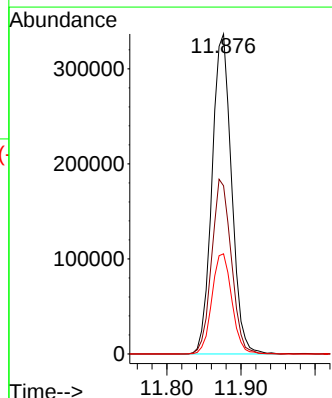
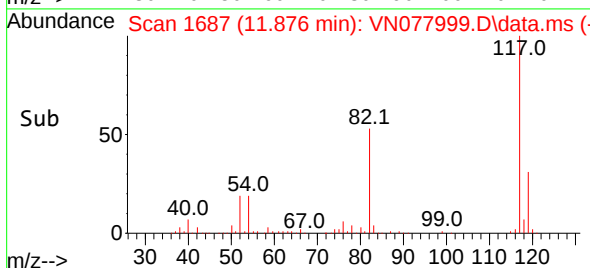
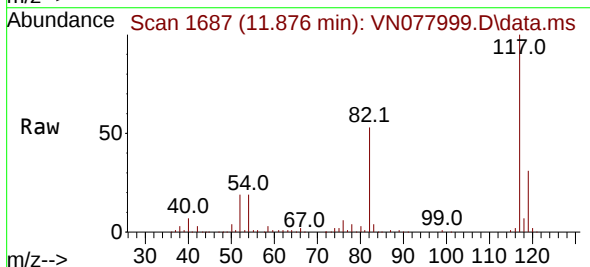
Instrument :
MSVOA_N
ClientSampleId :
RE108D1-20230523

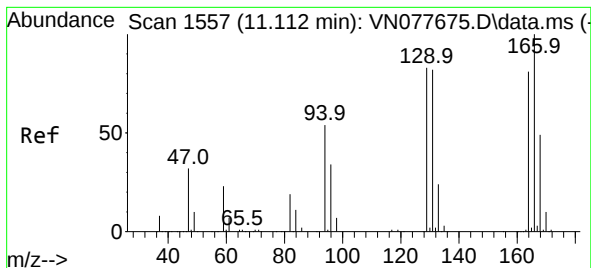
Tgt Ion: 95 Resp: 275301
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.8
176 69.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

Tgt Ion: 117 Resp: 616478
Ion Ratio Lower Upper
117 100
82 52.5 44.0 66.0
119 31.3 25.6 38.4





#64

Tetrachloroethene

Concen: 1.822 ug/l

RT: 11.112 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077999.D

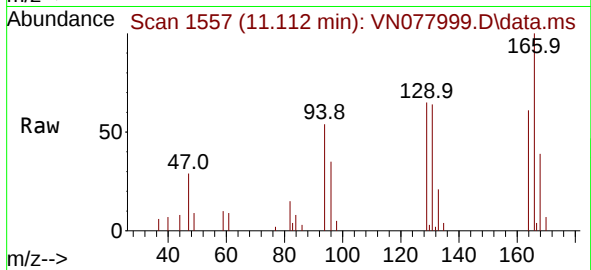
Acq: 31 May 2023 17:43

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20230523



Tgt Ion:164 Resp: 7853

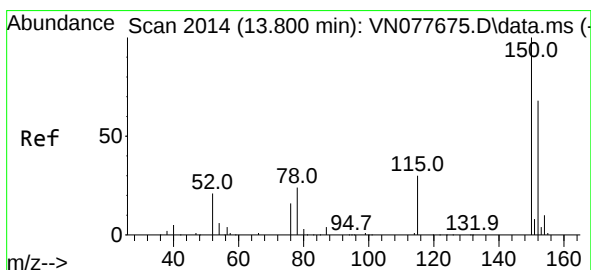
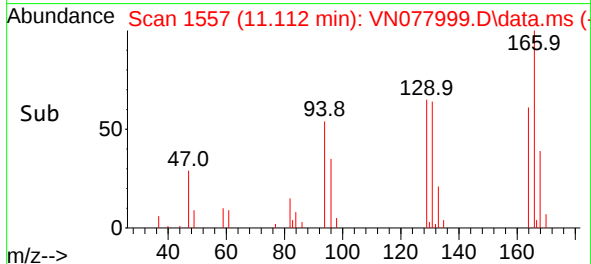
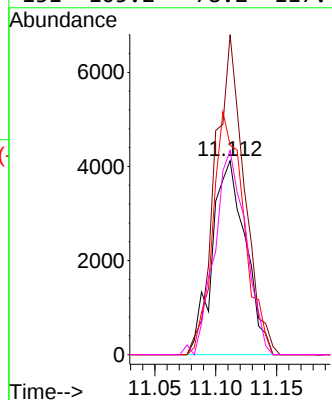
Ion Ratio Lower Upper

164 100

166 165.0 101.4 152.0#

129 108.0 82.4 123.6

131 105.2 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: VN077999.D

Acq: 31 May 2023 17:43

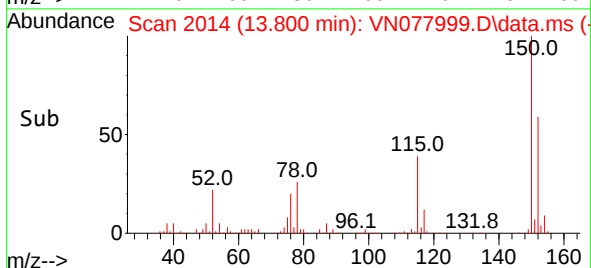
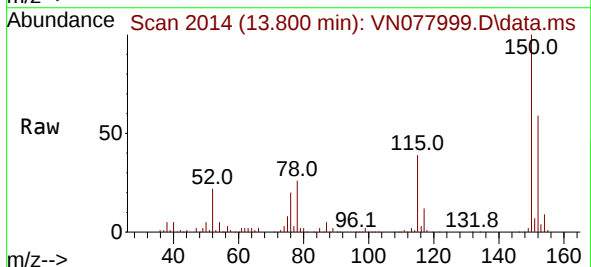
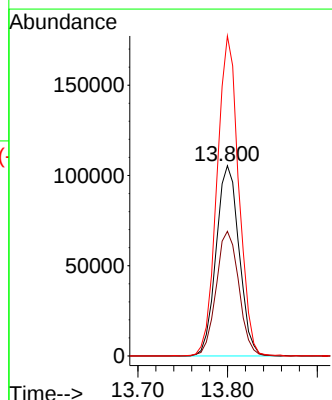
Tgt Ion:152 Resp: 187209

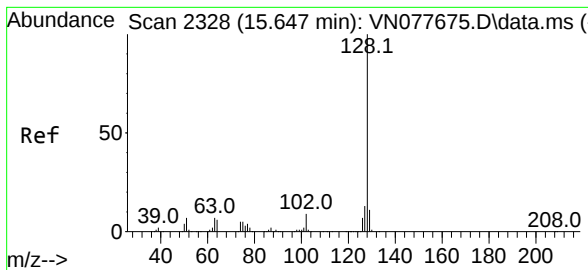
Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

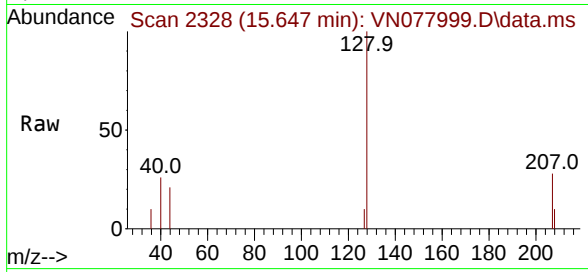
150 159.3 0.0 355.8





#95
Naphthalene
Concen: 0.293 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077999.D
Acq: 31 May 2023 17:43

Instrument :
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Tgt Ion:	128	Resp:	3748
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.0	15.0#
129	4.2	8.7	13.1#

