

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077747.D
 Acq On : 18 May 2023 19:27
 Operator : JC\MD
 Sample : 02834-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D1-20230517

Quant Time: May 19 07:37:31 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)

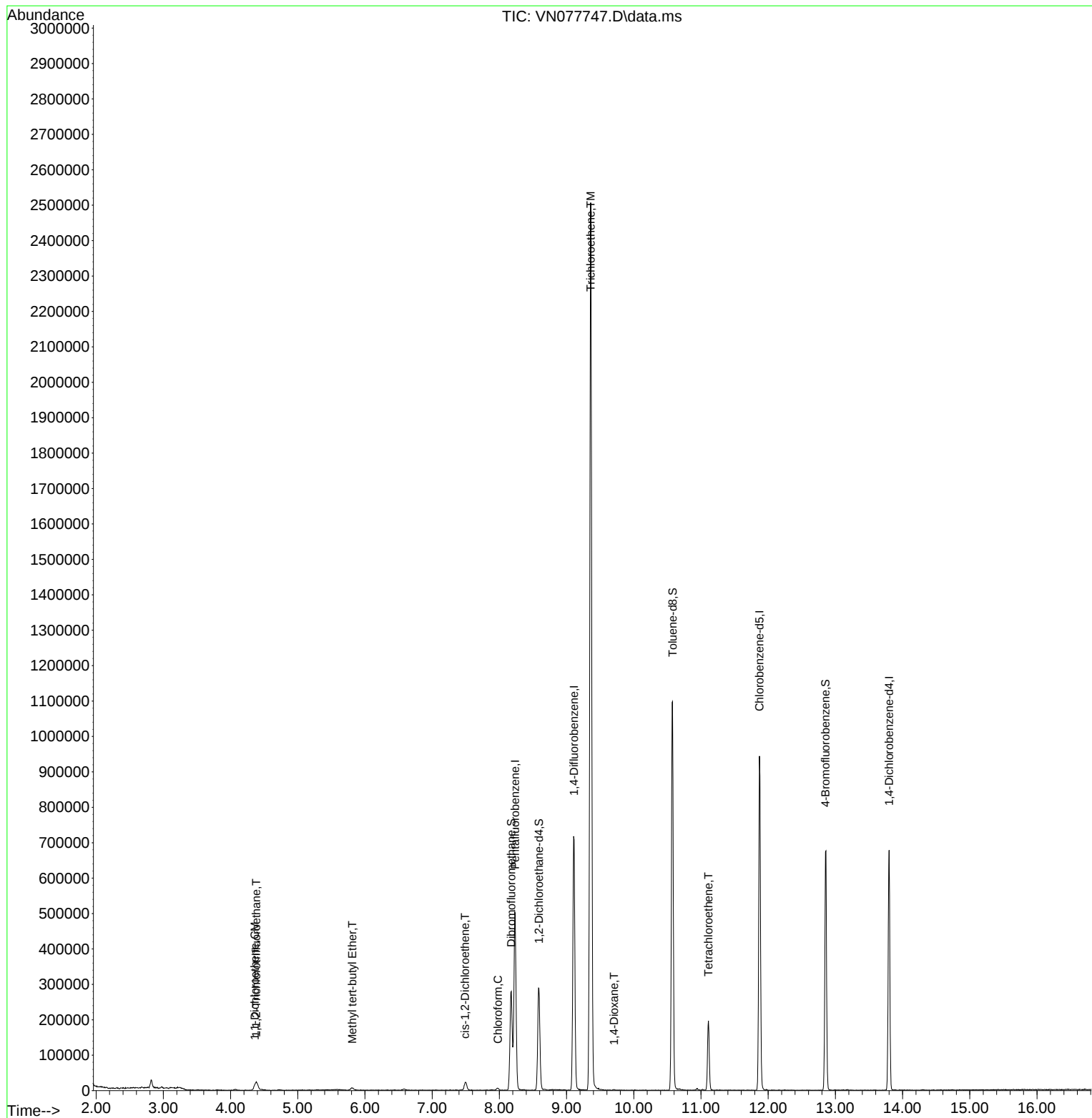
Internal Standards						
1) Pentafluorobenzene	8.235	168	357667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	648642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	564819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	183601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	242882	45.385	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.760%		
35) Dibromofluoromethane	8.177	113	205098	48.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	10.576	98	811460	49.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.680%		
62) 4-Bromofluorobenzene	12.853	95	249518	43.395	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.780%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.383	101	13685	3.458	ug/l #	88
12) 1,1-Dichloroethene	4.359	96	4426	1.177	ug/l #	83
19) Methyl tert-butyl Ether	5.812	73	10457	0.768	ug/l	92
27) cis-1,2-Dichloroethene	7.488	96	14233	2.809	ug/l	92
30) Chloroform	7.977	83	5623	0.644	ug/l	100
44) Trichloroethene	9.359	130	874677	189.213	ug/l	97
49) 1,4-Dioxane	9.706	88	1490	18.474	ug/l #	74
64) Tetrachloroethene	11.112	164	41244	10.442	ug/l	95

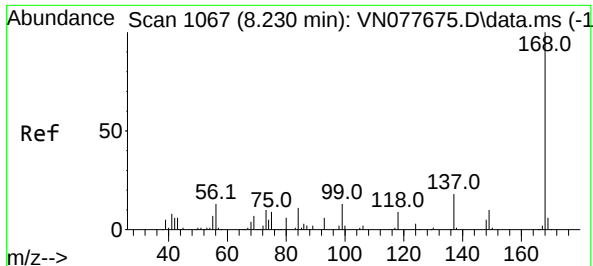
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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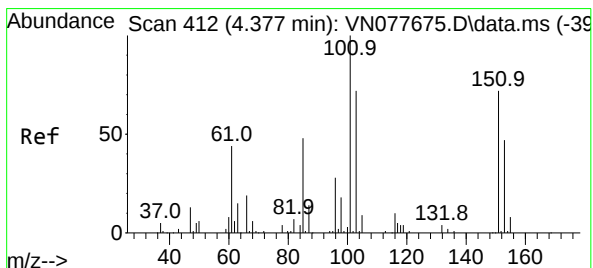
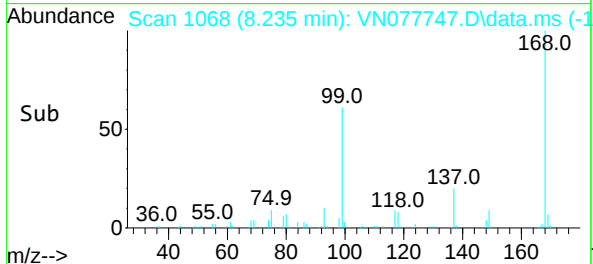
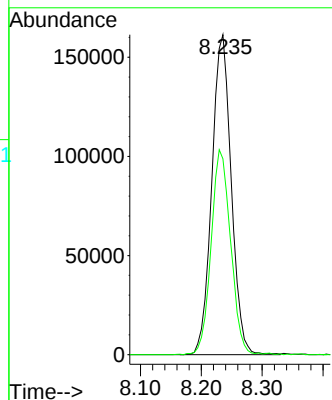
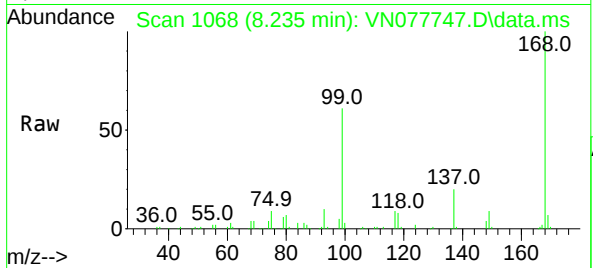




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077747.D
Acq: 18 May 2023 19:27

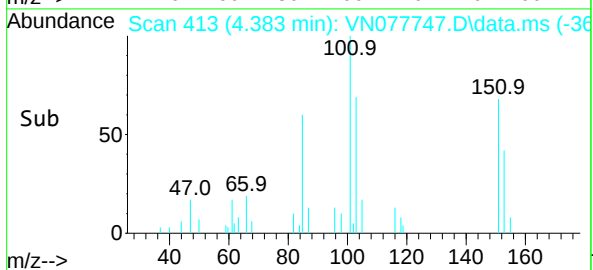
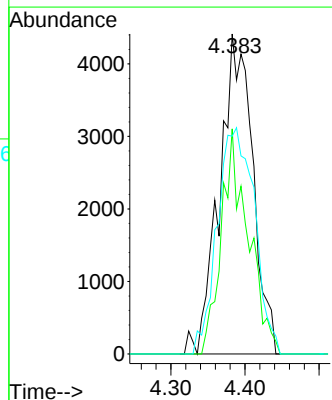
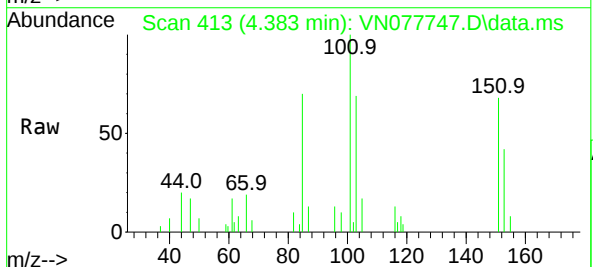
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20230517

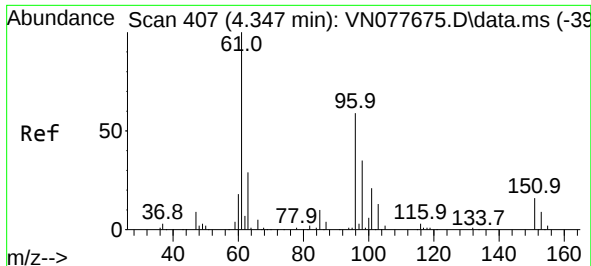
Tgt Ion:168 Resp: 357667
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.458 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN077747.D
Acq: 18 May 2023 19:27

Tgt Ion:101 Resp: 13685
Ion Ratio Lower Upper
101 100
85 56.9 36.6 55.0#
151 79.6 57.6 86.4

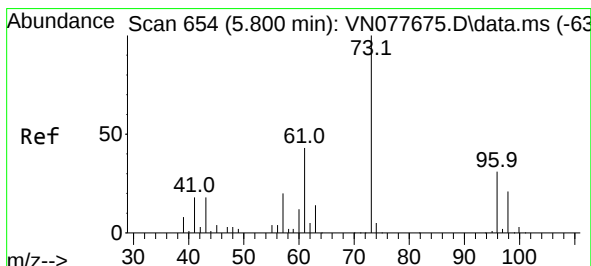
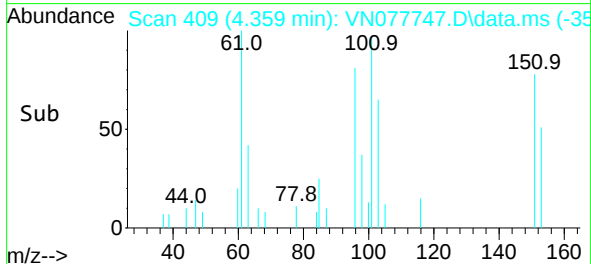
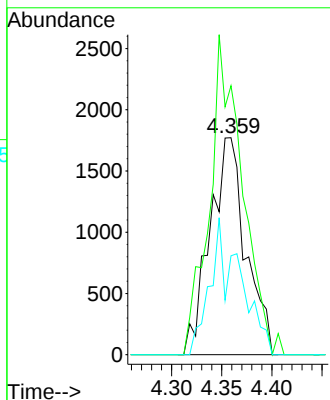
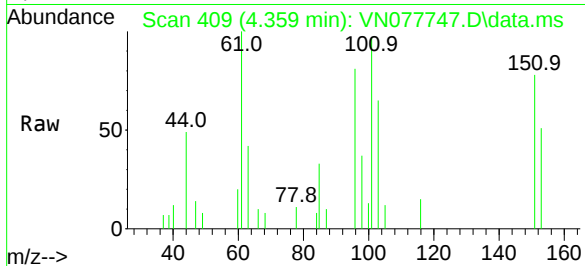




#12
 1,1-Dichloroethene
 Concen: 1.177 ug/l
 RT: 4.359 min Scan# 409
 Delta R.T. 0.012 min
 Lab File: VN077747.D
 Acq: 18 May 2023 19:27

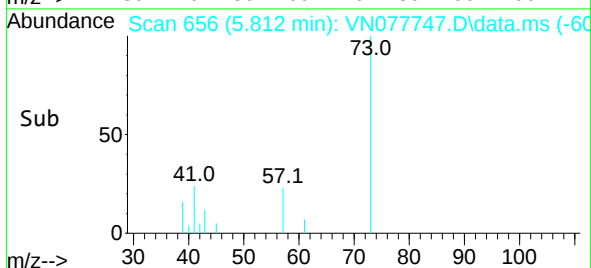
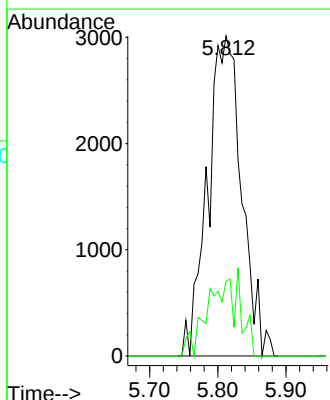
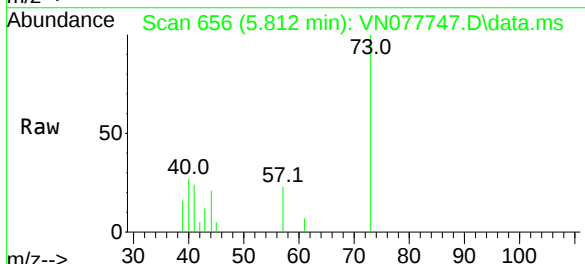
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D1-20230517

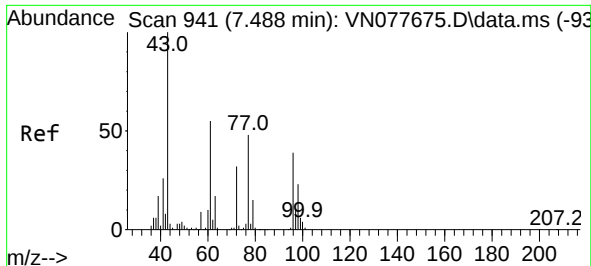
Tgt Ion: 96 Resp: 4426
 Ion Ratio Lower Upper
 96 100
 61 123.9 112.7 169.1
 98 45.6 51.2 76.8#



#19
 Methyl tert-butyl Ether
 Concen: 0.768 ug/l
 RT: 5.812 min Scan# 656
 Delta R.T. 0.012 min
 Lab File: VN077747.D
 Acq: 18 May 2023 19:27

Tgt Ion: 73 Resp: 10457
 Ion Ratio Lower Upper
 73 100
 57 23.3 15.6 23.4





#27

cis-1,2-Dichloroethene

Concen: 2.809 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN077747.D

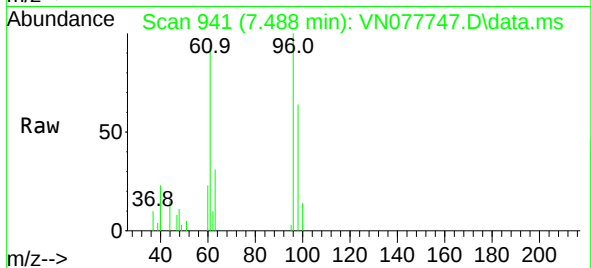
Acq: 18 May 2023 19:27

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20230517



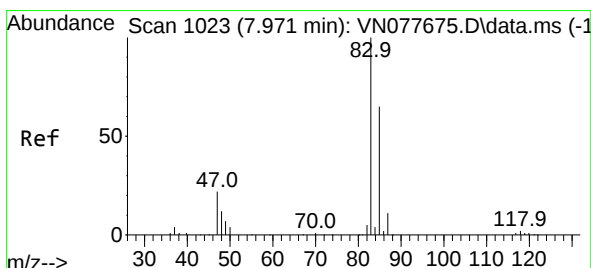
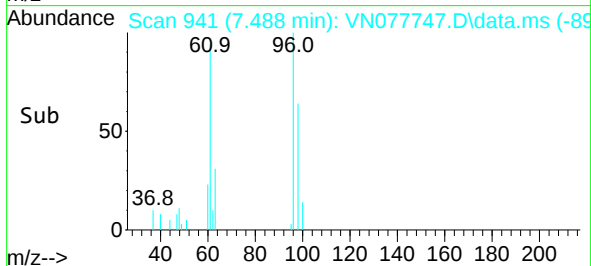
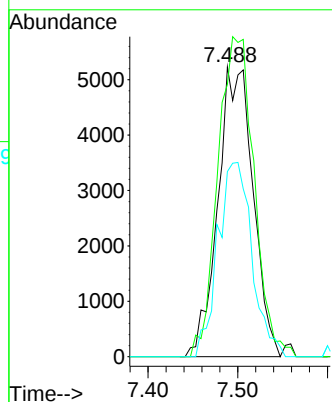
Tgt Ion: 96 Resp: 14233

Ion Ratio Lower Upper

96 100

61 113.8 0.0 255.2

98 65.0 0.0 128.8



#30

Chloroform

Concen: 0.644 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077747.D

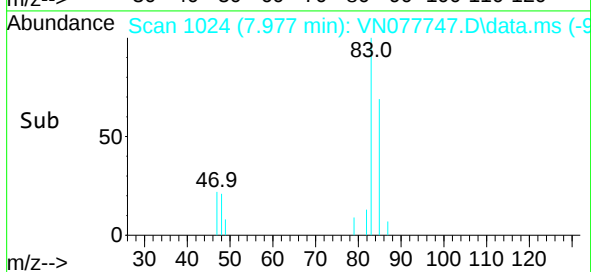
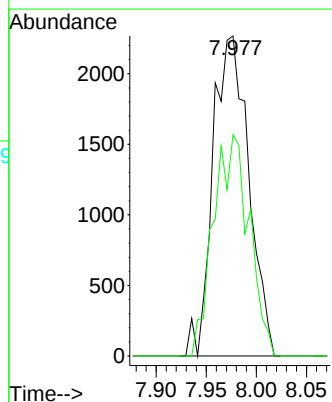
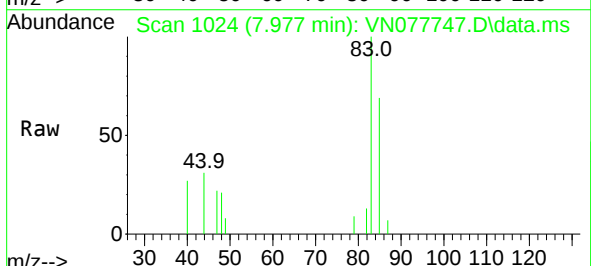
Acq: 18 May 2023 19:27

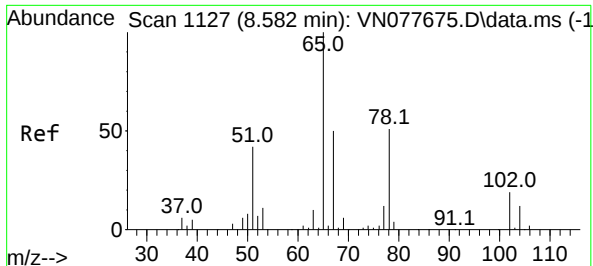
Tgt Ion: 83 Resp: 5623

Ion Ratio Lower Upper

83 100

85 69.1 55.4 83.0





#33

1,2-Dichloroethane-d4

Concen: 45.385 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077747.D

Acq: 18 May 2023 19:27

Instrument :

MSVOA_N

ClientSampleId :

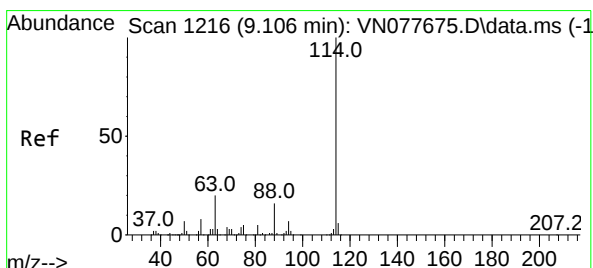
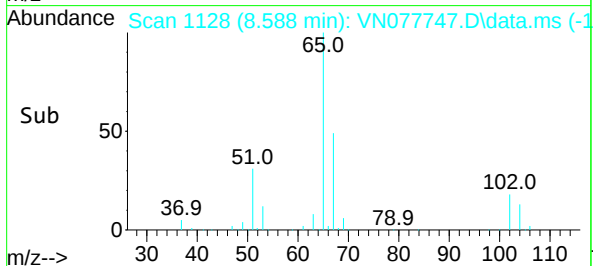
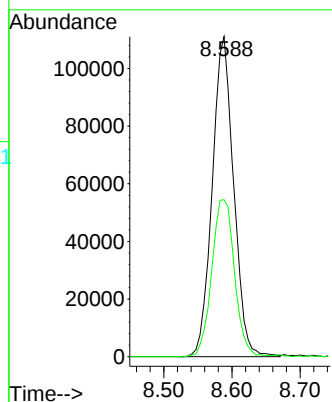
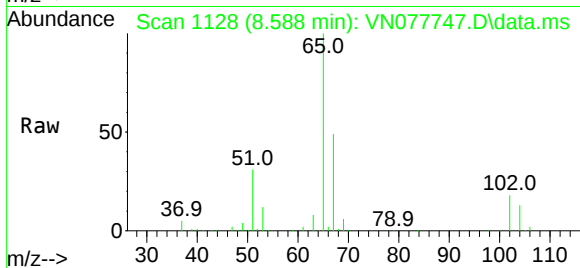
RE125D1-20230517

Tgt Ion: 65 Resp: 242882

Ion Ratio Lower Upper

65 100

67 52.1 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: VN077747.D

Acq: 18 May 2023 19:27

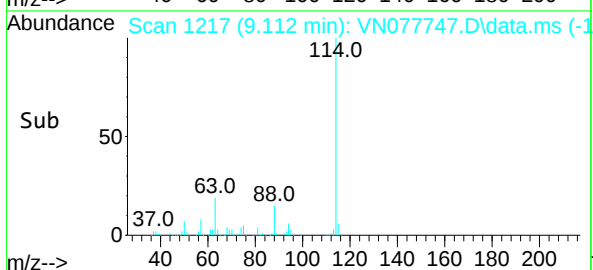
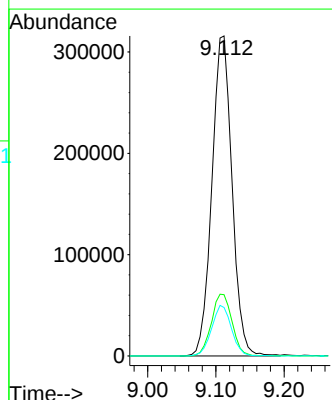
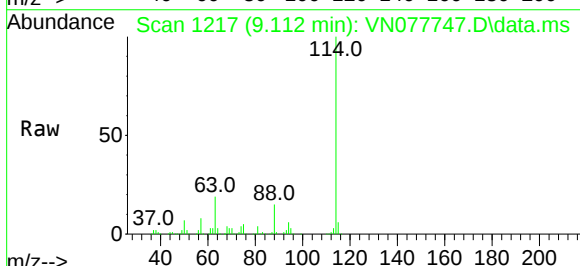
Tgt Ion: 114 Resp: 648642

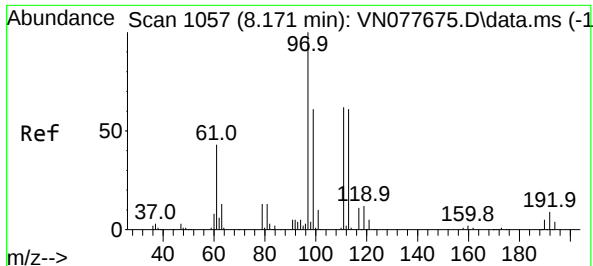
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.490 ug/l

RT: 8.177 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN077747.D

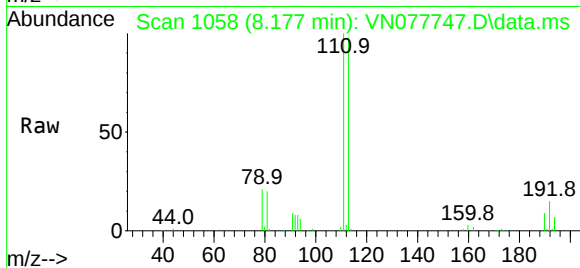
Acq: 18 May 2023 19:27

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20230517



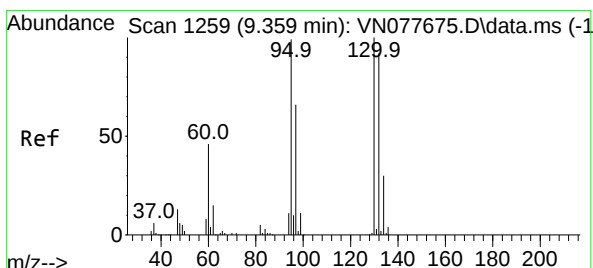
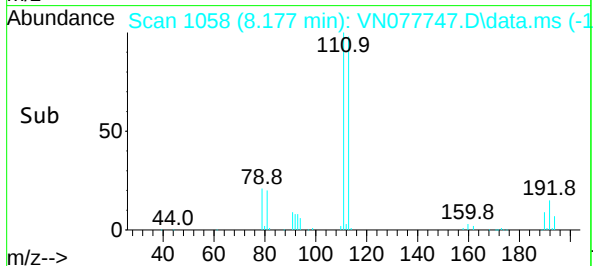
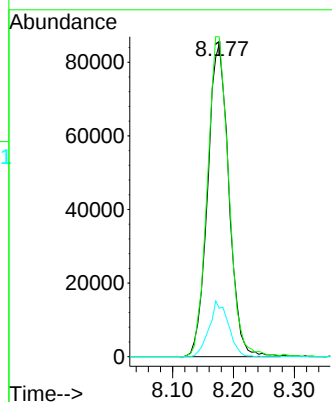
Tgt Ion:113 Resp: 205098

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 16.3 12.7 19.1



#44

Trichloroethene

Concen: 189.213 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN077747.D

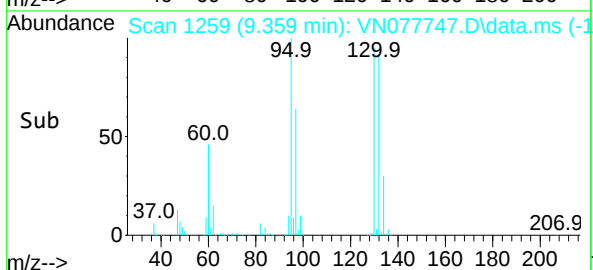
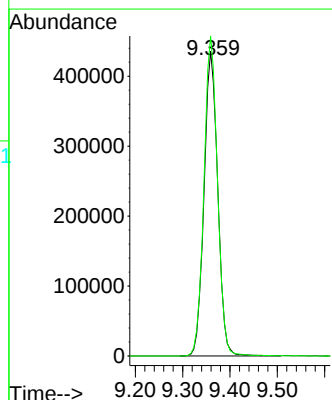
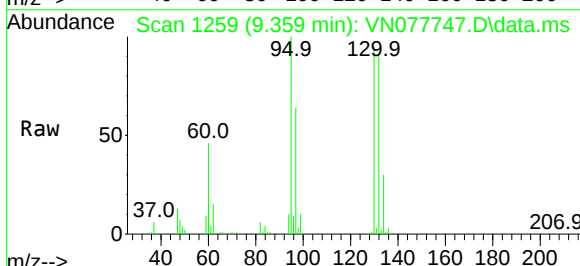
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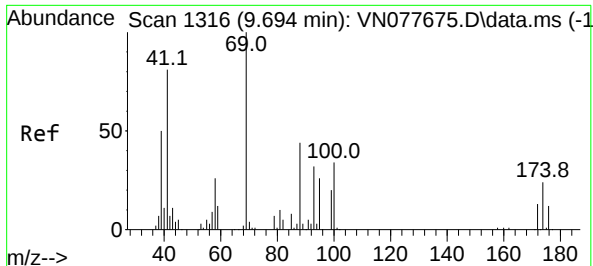
Tgt Ion:130 Resp: 874677

Ion Ratio Lower Upper

130 100

95 105.0 0.0 204.6





#49

1,4-Dioxane

Concen: 18.474 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN077747.D

Acq: 18 May 2023 19:27

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20230517

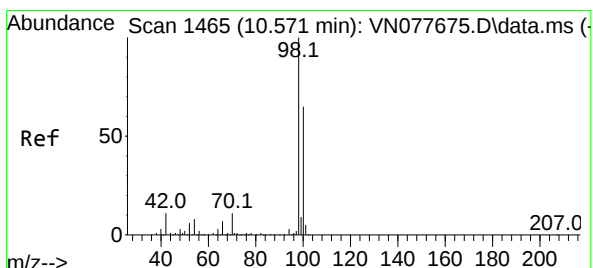
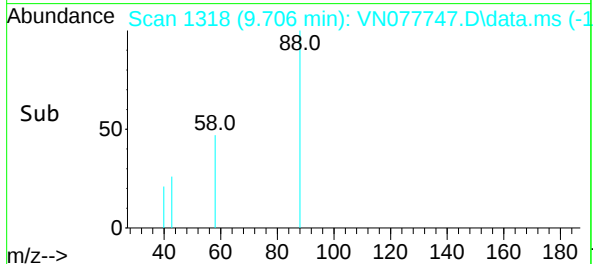
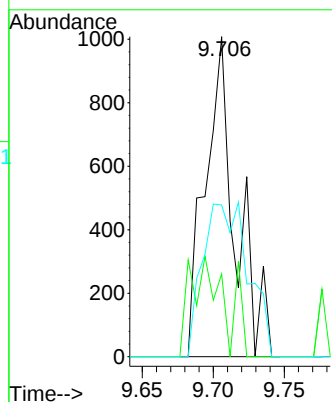
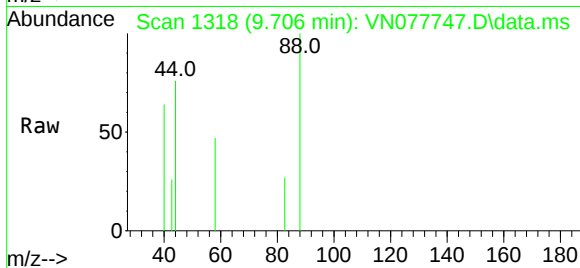
Tgt Ion: 88 Resp: 1490

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 72.6 47.0 70.4#



#50

Toluene-d8

Concen: 49.842 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077747.D

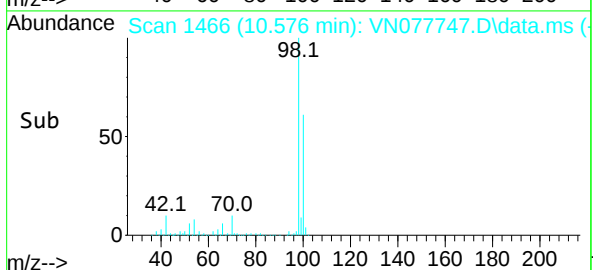
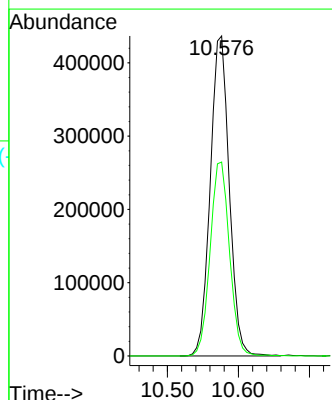
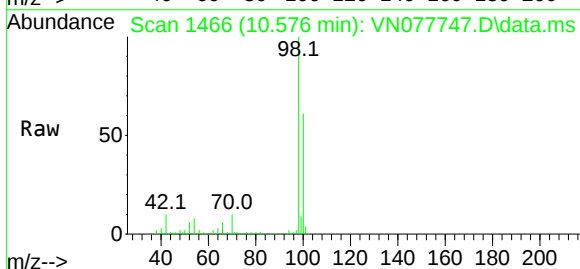
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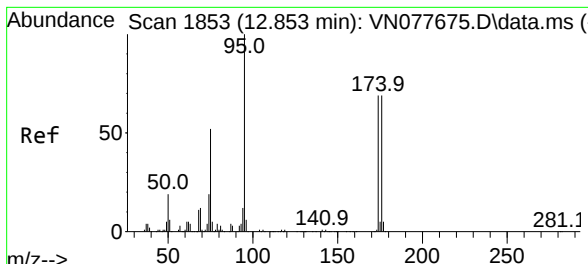
Tgt Ion: 98 Resp: 811460

Ion Ratio Lower Upper

98 100

100 61.8 52.0 78.0

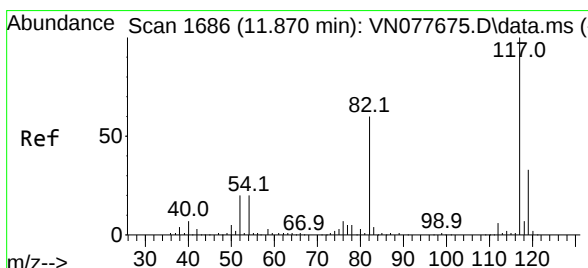
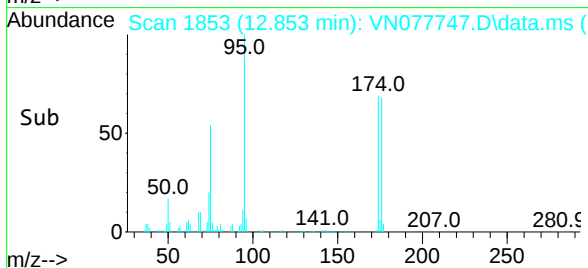
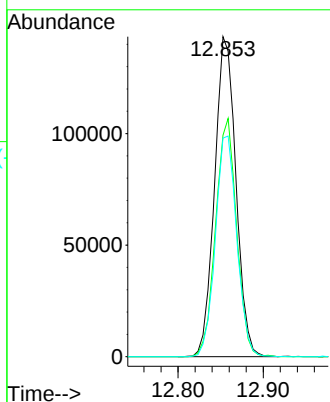
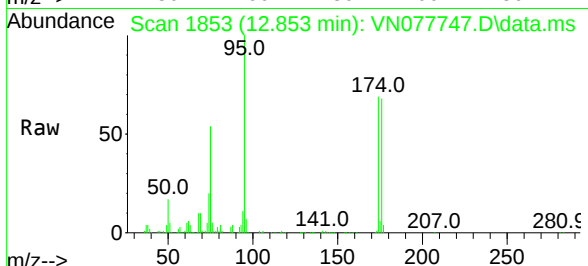




#62
4-Bromofluorobenzene
Concen: 43.395 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077747.D
Acq: 18 May 2023 19:27

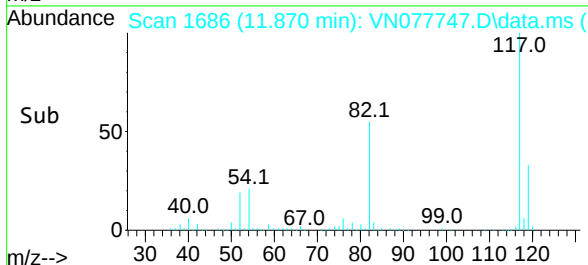
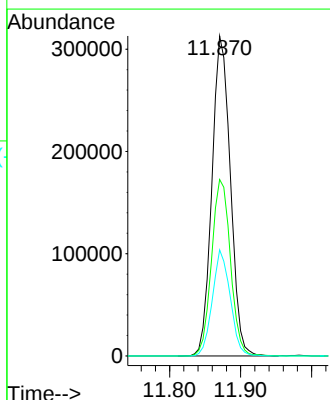
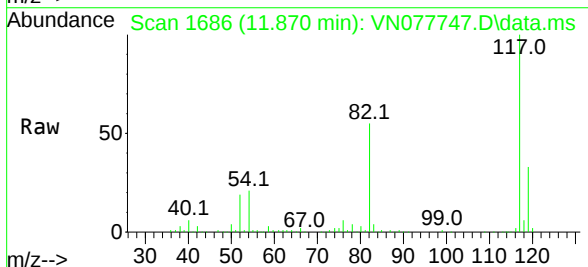
Instrument :
MSVOA_N
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RE125D1-20230517

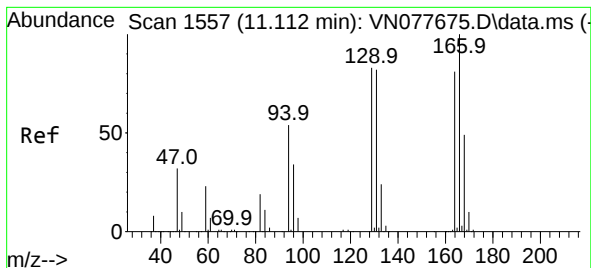
Tgt Ion: 95 Resp: 249518
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 69.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077747.D
Acq: 18 May 2023 19:27

Tgt Ion: 117 Resp: 564819
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 33.2 25.6 38.4





#64

Tetrachloroethene

Concen: 10.442 ug/l

RT: 11.112 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077747.D

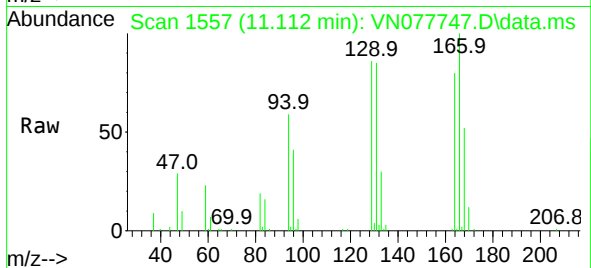
Acq: 18 May 2023 19:27

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20230517



Tgt Ion:164 Resp: 41244

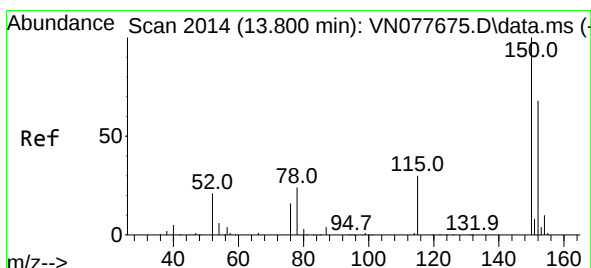
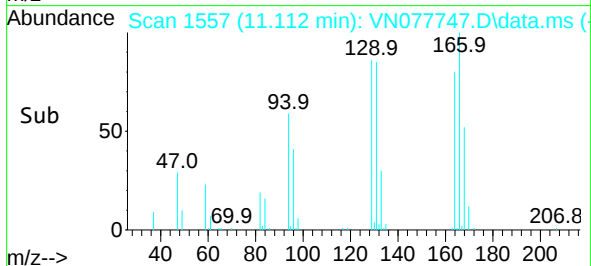
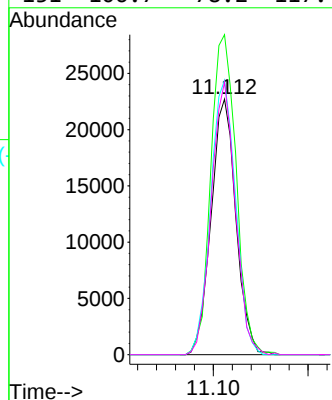
Ion Ratio Lower Upper

164 100

166 125.2 101.4 152.0

129 107.4 82.4 123.6

131 106.7 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: VN077747.D

Acq: 18 May 2023 19:27

Tgt Ion:152 Resp: 183601

Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 156.6 0.0 355.8

