

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075822.D
 Acq On : 15 Dec 2022 16:59
 Operator : JC\MD
 Sample : N6004-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 03:11:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

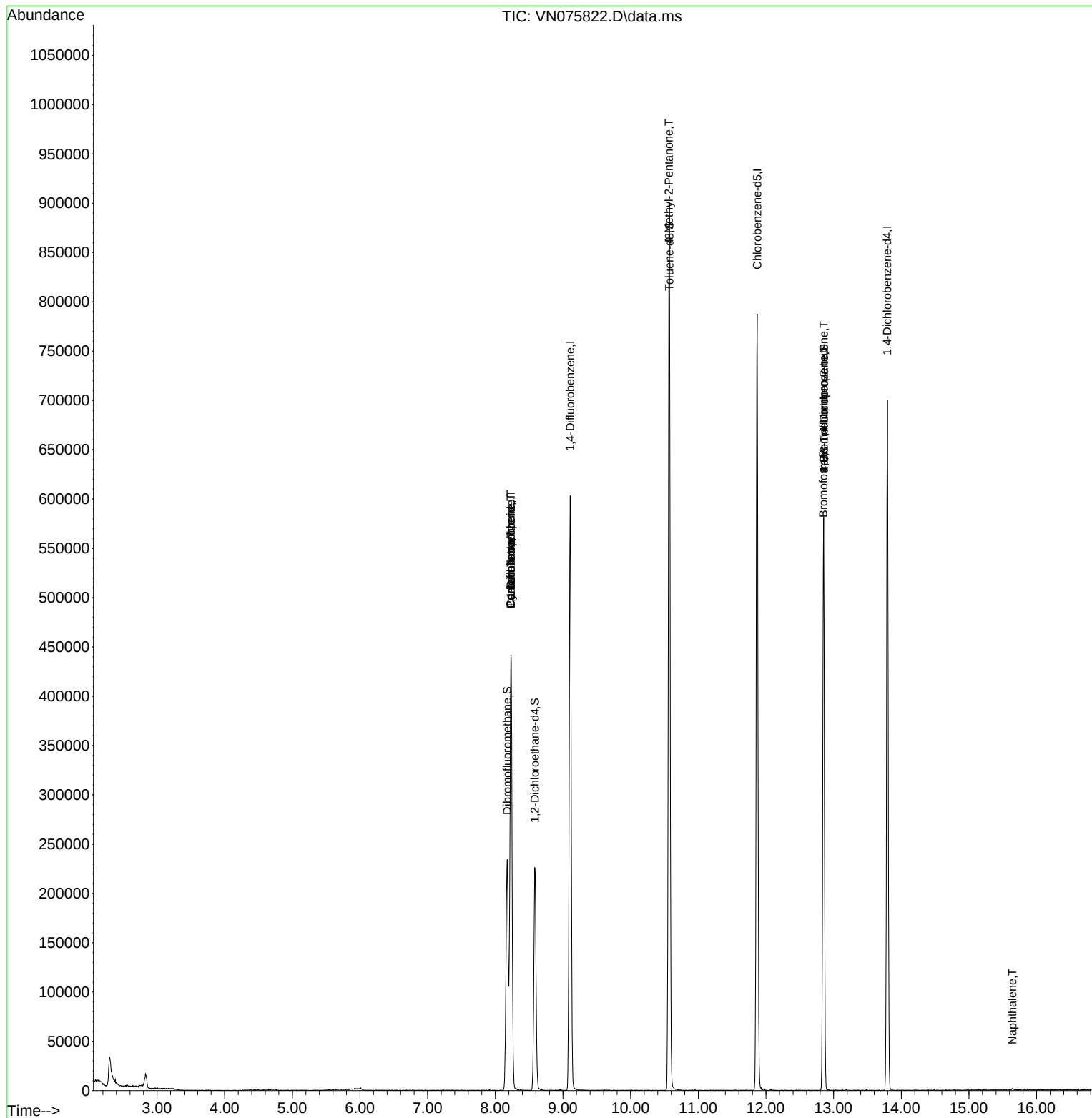
Internal Standards						
1) Pentafluorobenzene	8.229	168	348388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	551807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	479826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	180810	47.705	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.420%
35) Dibromofluoromethane	8.177	113	165827	48.526	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.060%
50) Toluene-d8	10.570	98	642294	50.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.853	95	196060	46.330	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.660%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.229	56	6982	1.286	ug/l #	35
36) 1,1-Dichloropropene	8.229	75	24093	5.307	ug/l #	51
38) Carbon Tetrachloride	8.229	117	33632	6.620	ug/l #	18
51) 4-Methyl-2-Pentanone	10.565	43	2185	0.601	ug/l #	1
71) Bromoform	12.847	173	1499	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	100016	25.310	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100016	91.103	ug/l #	12
95) Naphthalene	15.641	128	2273	2.381	ug/l #	73

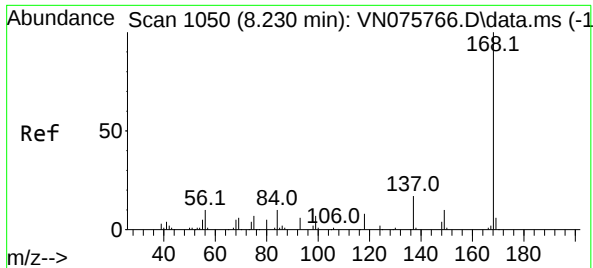
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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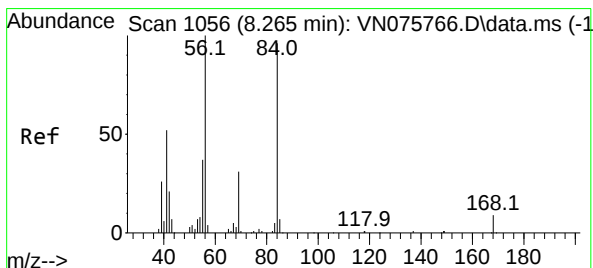
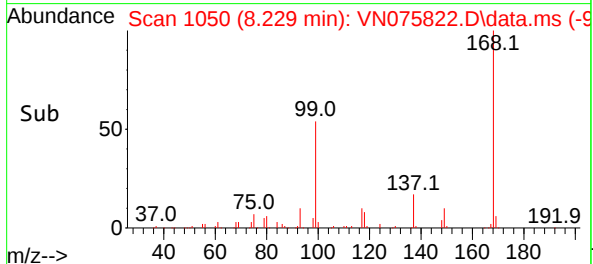
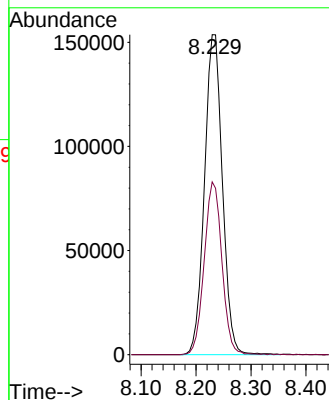
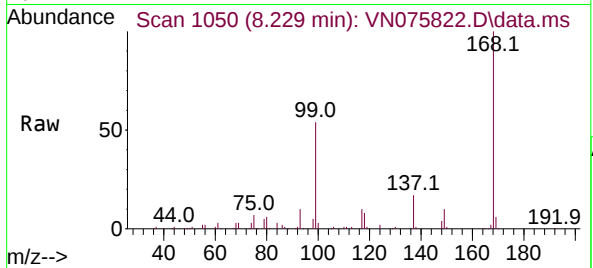




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

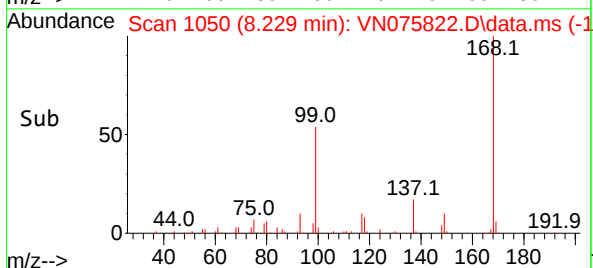
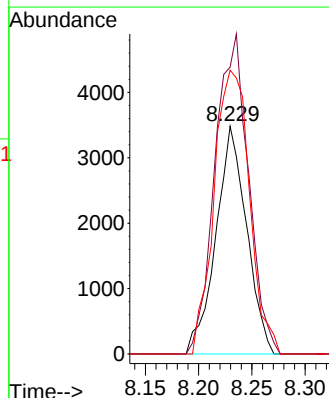
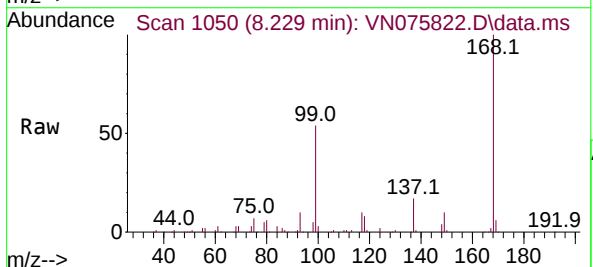
Instrument :
MSVOA_N
ClientSampleId :

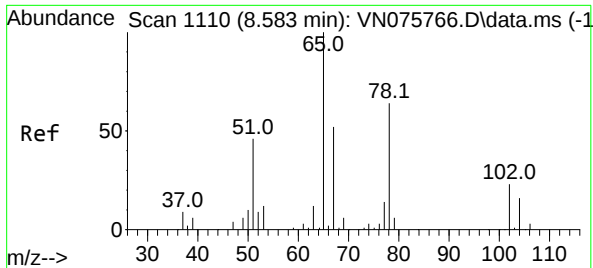
Tgt Ion:168 Resp: 348388
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

Tgt Ion: 56 Resp: 6982
Ion Ratio Lower Upper
56 100
69 126.0 24.7 37.1#
84 124.7 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.705 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

Instrument :

MSVOA_N

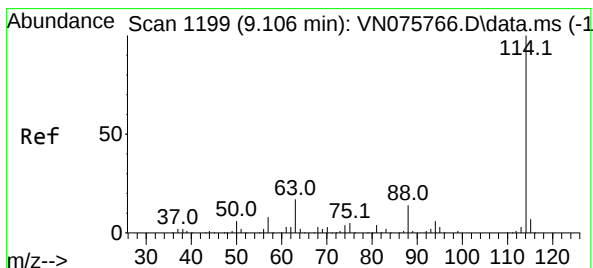
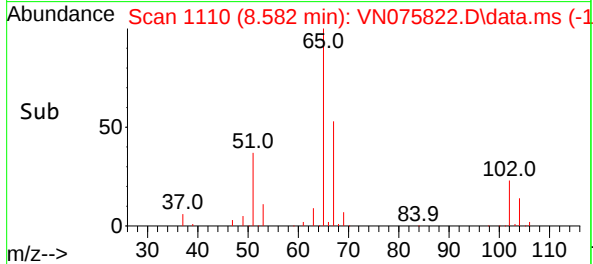
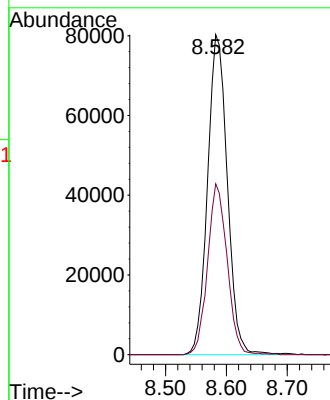
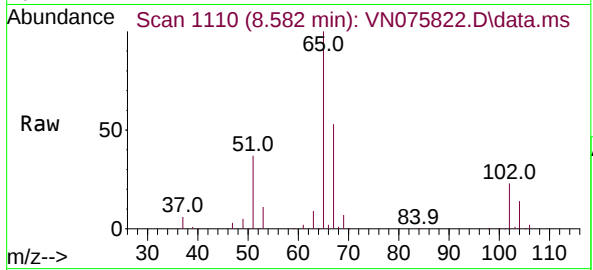
ClientSampleId :

Tgt Ion: 65 Resp: 180810

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

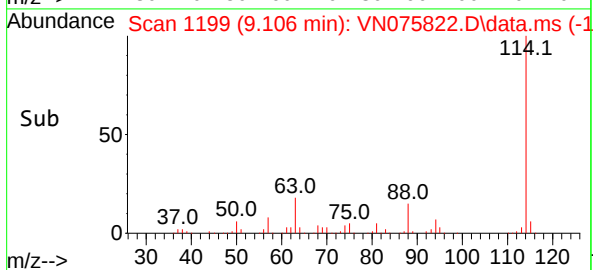
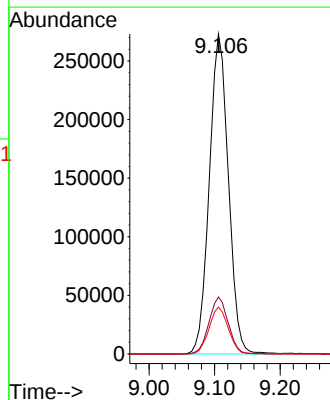
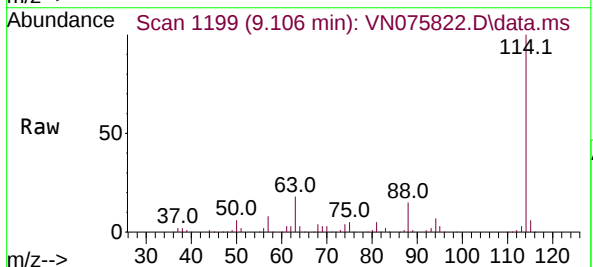
Tgt Ion: 114 Resp: 551807

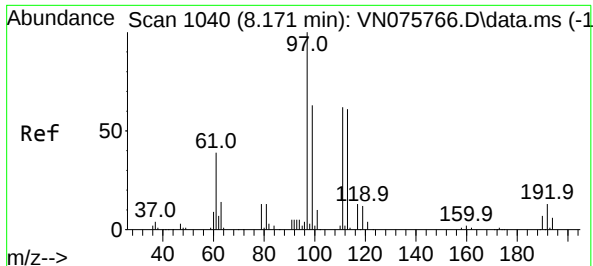
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.526 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

Instrument :

MSVOA_N

ClientSampleId :

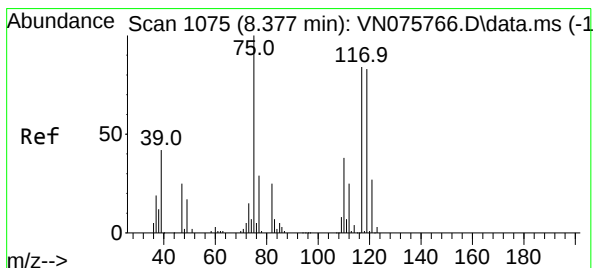
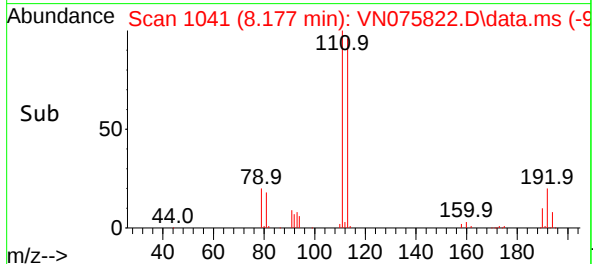
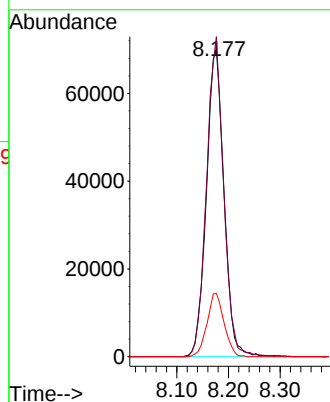
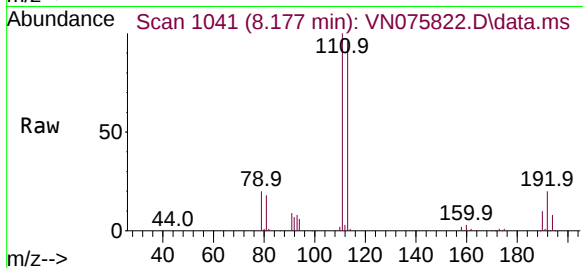
Tgt Ion:113 Resp: 165827

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 19.9 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.307 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

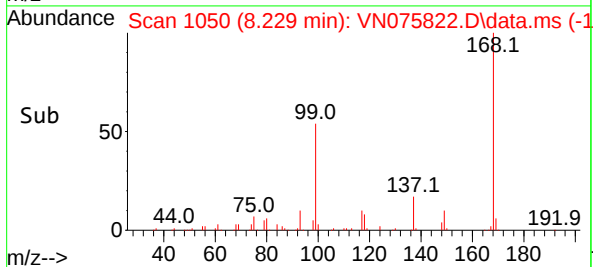
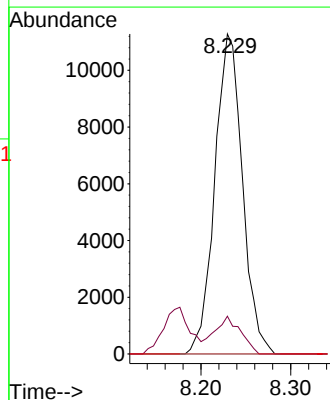
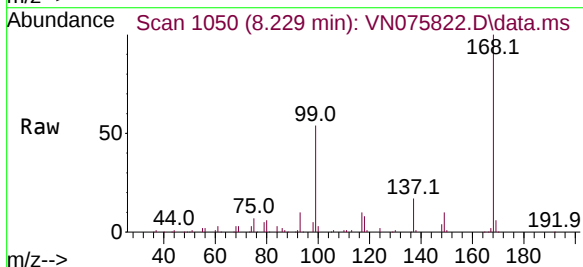
Tgt Ion: 75 Resp: 24093

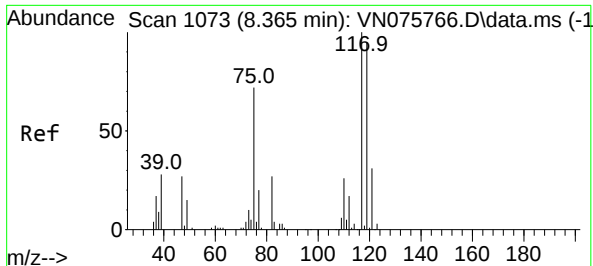
Ion Ratio Lower Upper

75 100

110 11.3 18.8 56.4#

77 0.0 24.1 36.1#

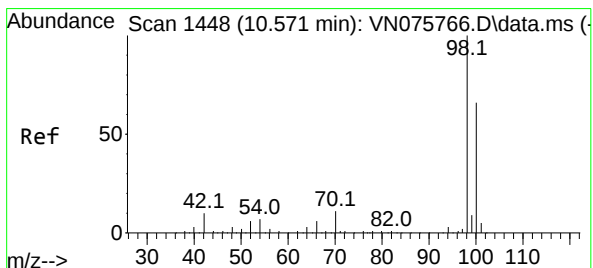
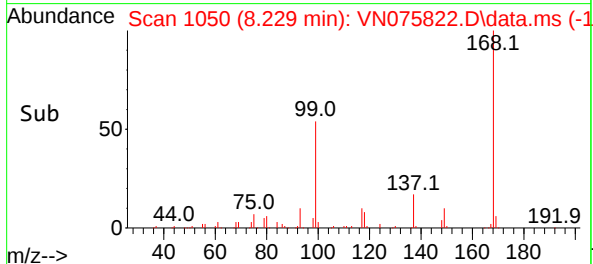
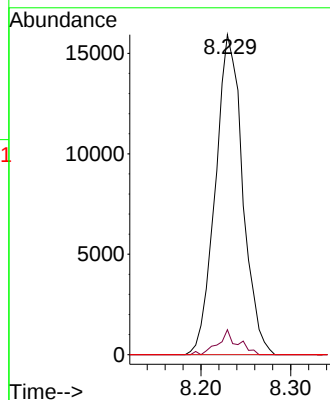
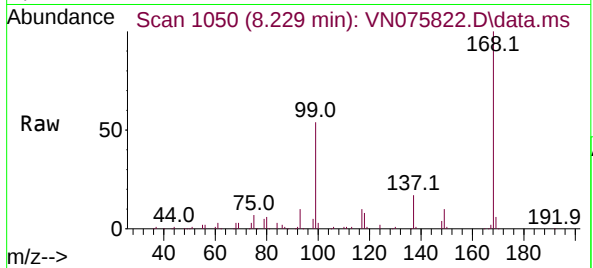




#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 8.229 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

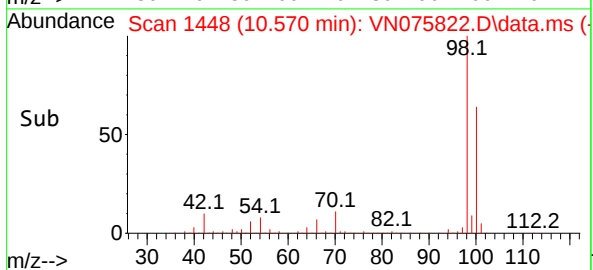
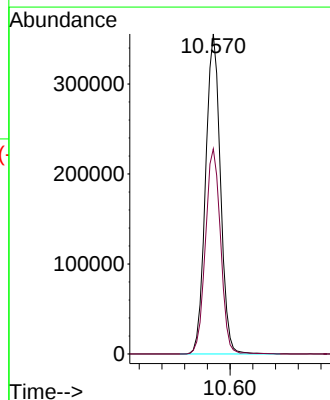
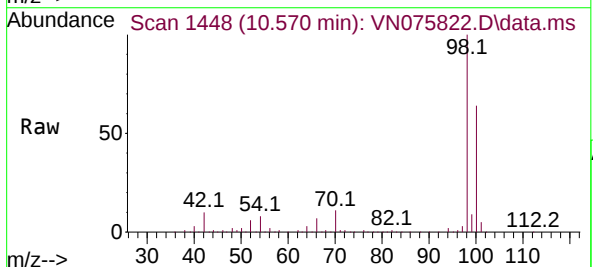
Instrument :
MSVOA_N
ClientSampleId :

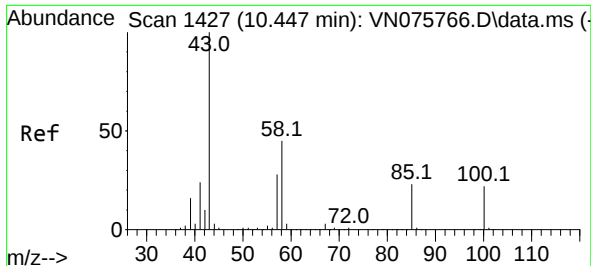
Tgt Ion:117 Resp: 33632
Ion Ratio Lower Upper
117 100
119 7.8 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.270 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

Tgt Ion: 98 Resp: 642294
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. 0.117 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

Instrument :

MSVOA_N

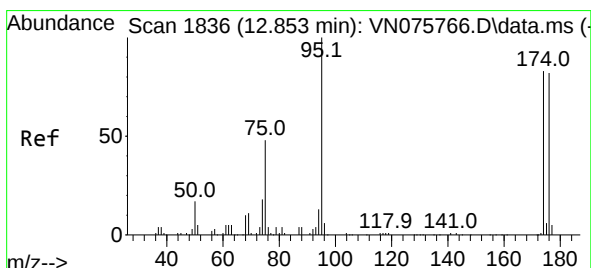
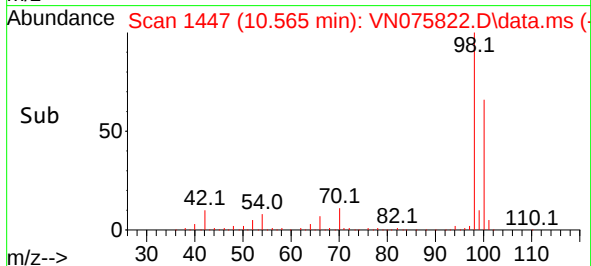
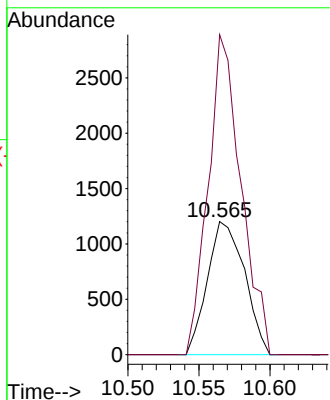
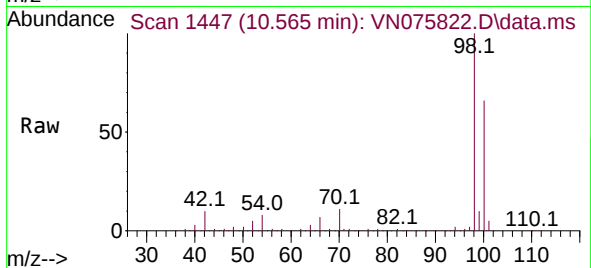
ClientSampleId :

Tgt Ion: 43 Resp: 2185

Ion Ratio Lower Upper

43 100

58 212.7 35.5 53.3#



#62

4-Bromofluorobenzene

Concen: 46.330 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.000 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

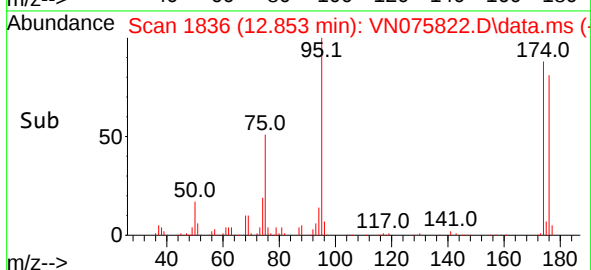
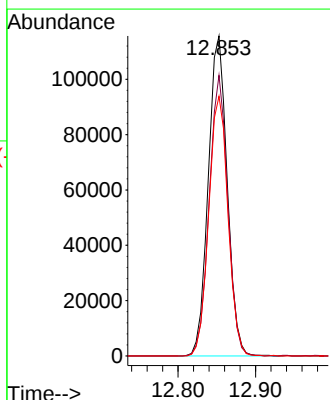
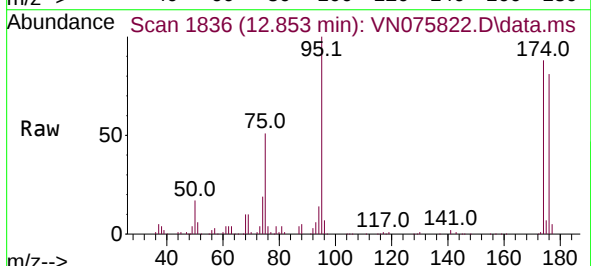
Tgt Ion: 95 Resp: 196060

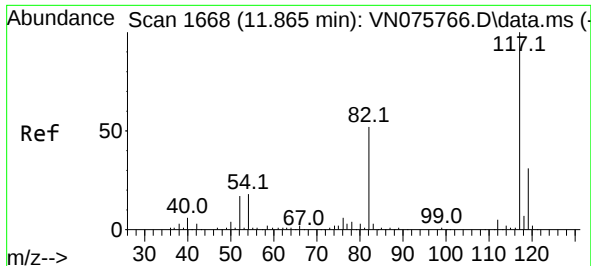
Ion Ratio Lower Upper

95 100

174 86.3 0.0 171.6

176 82.5 0.0 169.2

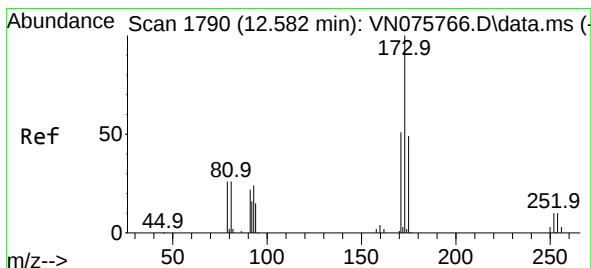
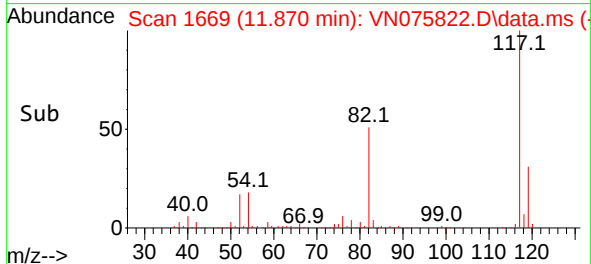
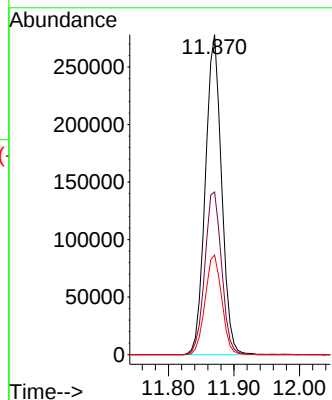
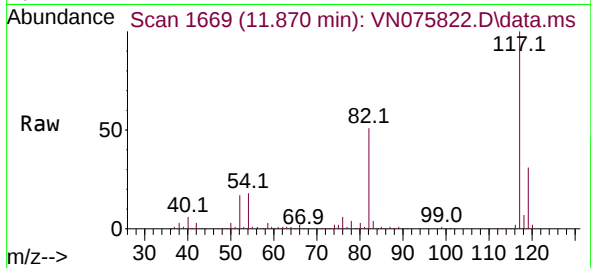




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

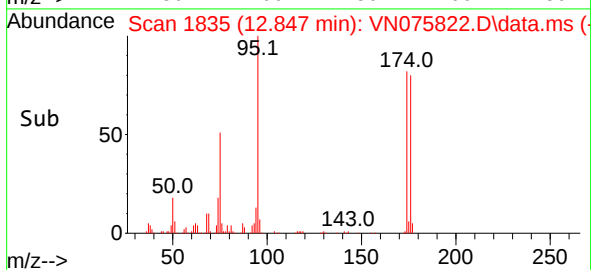
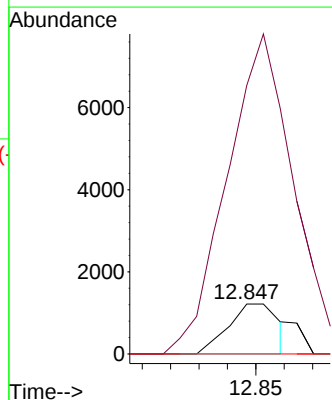
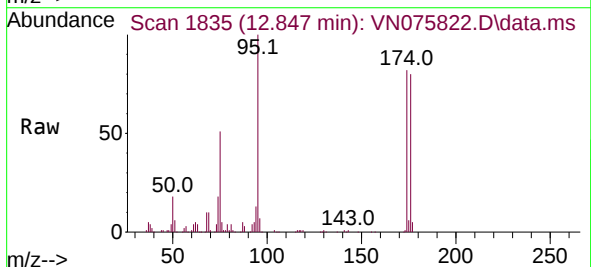
Instrument :
MSVOA_N
ClientSampleId :

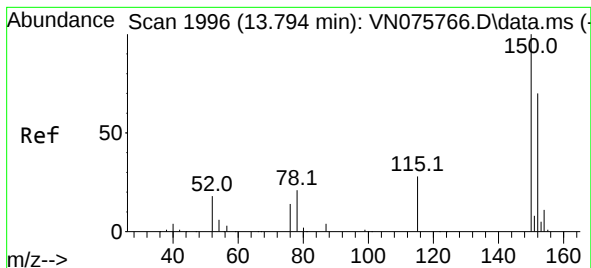
Tgt Ion:117 Resp: 479826
Ion Ratio Lower Upper
117 100
82 50.9 41.3 61.9
119 31.2 24.6 37.0



#71
Bromoform
Concen: 0.565 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

Tgt Ion:173 Resp: 1499
Ion Ratio Lower Upper
173 100
175 686.6 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN075822.D

Acq: 15 Dec 2022 16:59

Instrument :

MSVOA_N

ClientSampleId :

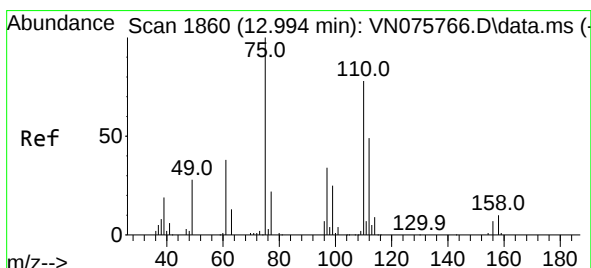
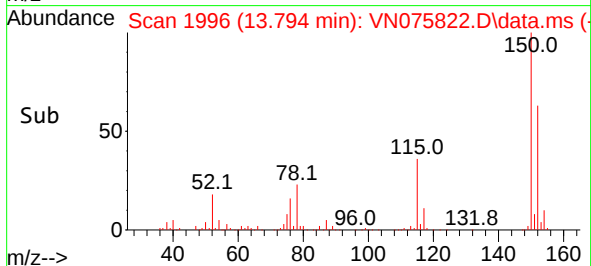
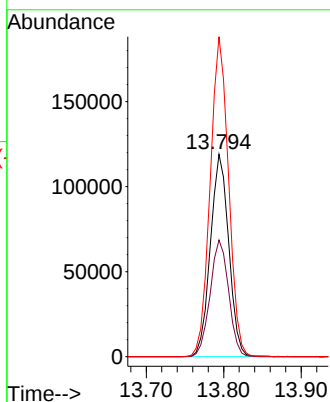
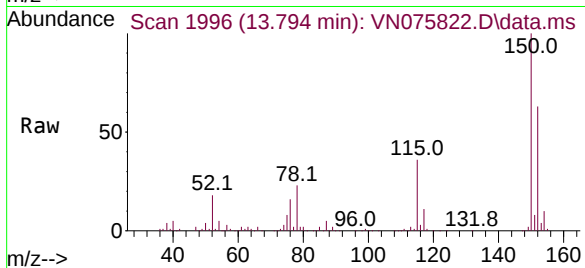
Tgt Ion:152 Resp: 196038

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.4

150 157.9 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 25.310 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075822.D

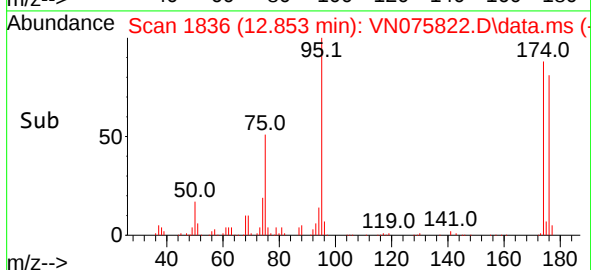
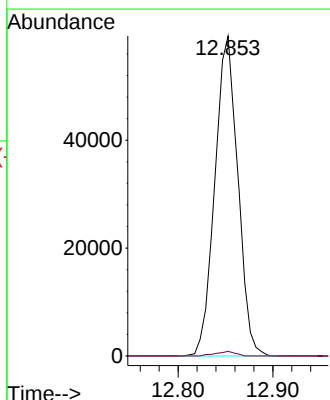
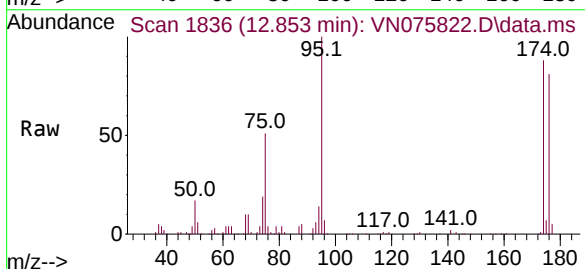
Acq: 15 Dec 2022 16:59

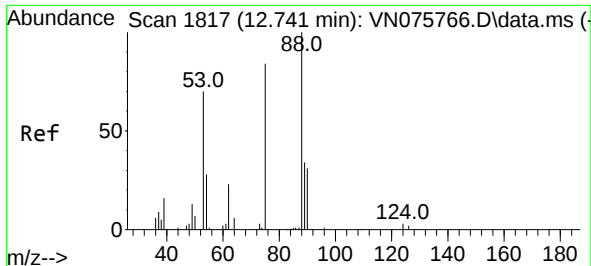
Tgt Ion: 75 Resp: 100016

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#

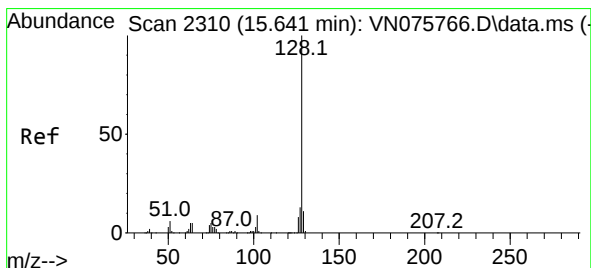
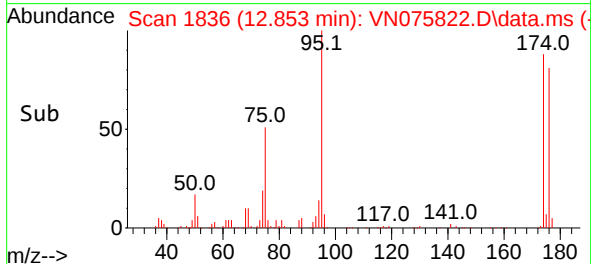
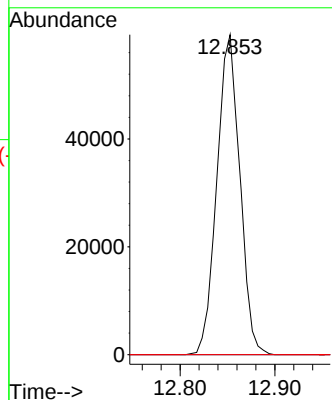
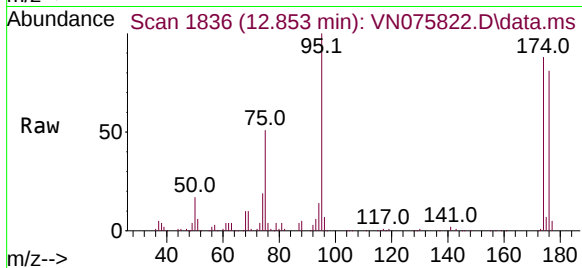




#81
trans-1,4-Dichloro-2-butene
Concen: 91.103 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 100016
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.381 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075822.D
Acq: 15 Dec 2022 16:59

Tgt Ion:128 Resp: 2273
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 2.9 8.7 13.1#

