

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075910.D
 Acq On : 21 Dec 2022 11:20
 Operator : JC\MD
 Sample : VN1221WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBL01

Quant Time: Dec 21 14:15:11 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)

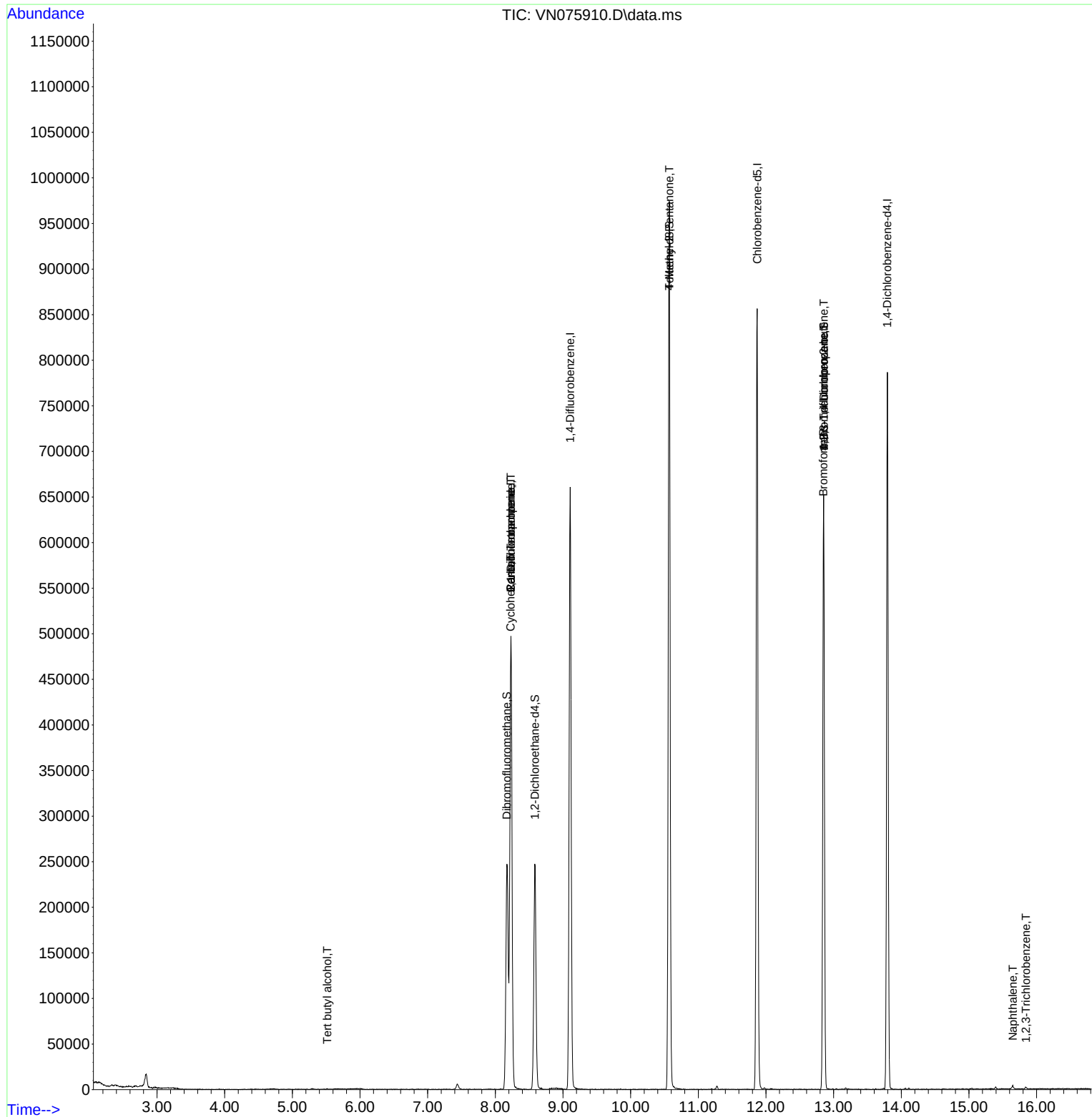
Internal Standards						
1) Pentafluorobenzene	8.230	168	390725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	617149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	532526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	197252	46.404	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.800%
35) Dibromofluoromethane	8.171	113	179286	46.910	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.820%
50) Toluene-d8	10.571	98	696115	48.714	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.853	95	221298	46.757	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	133	0.221	ug/l #	72
20) Methylene Chloride	5.294	84	209	Below Cal	#	83
31) Cyclohexane	8.224	56	7027	1.154	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	26622	5.244	ug/l #	50
38) Carbon Tetrachloride	8.230	117	38156	6.715	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2393	0.588	ug/l #	1
71) Bromoform	12.847	173	1399	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	112221	24.819	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112221	89.335	ug/l #	12
95) Naphthalene	15.647	128	4543	2.533	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	1165	0.337	ug/l #	79

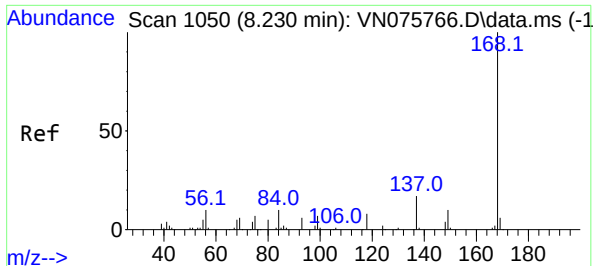
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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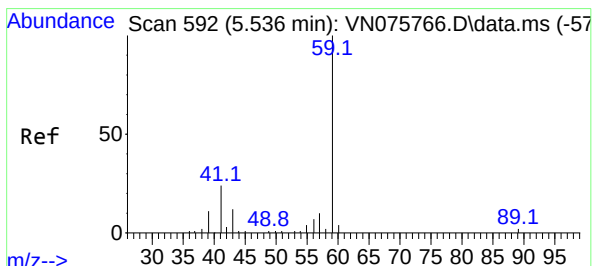
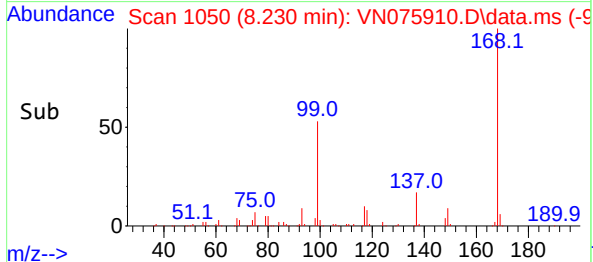
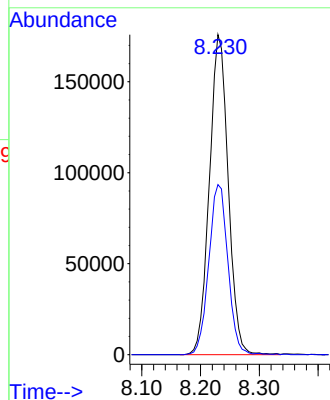
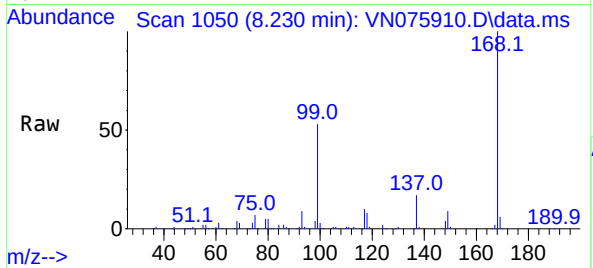




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

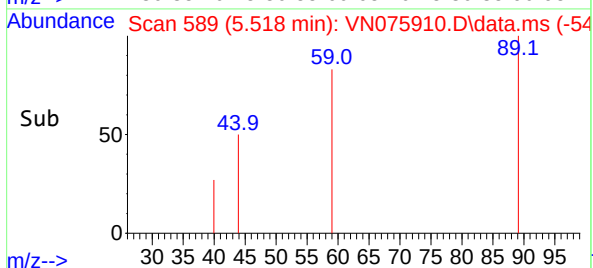
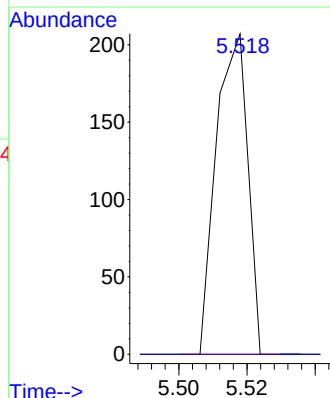
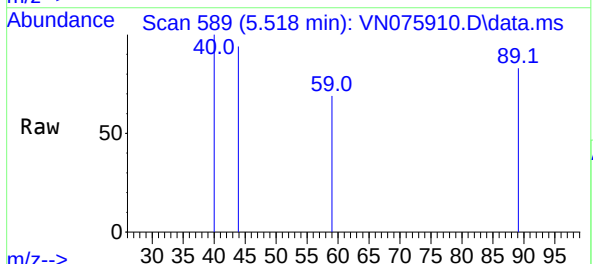
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBL01

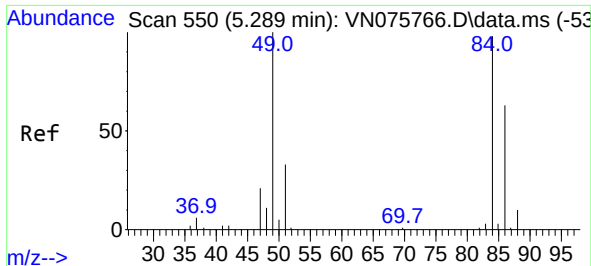
Tgt Ion:168 Resp: 390725
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.221 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.018 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN075910.D

Acq: 21 Dec 2022 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBL01

Tgt Ion: 84 Resp: 209

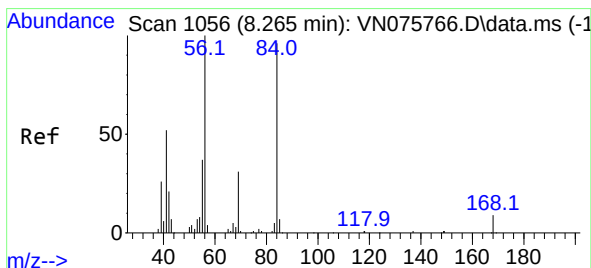
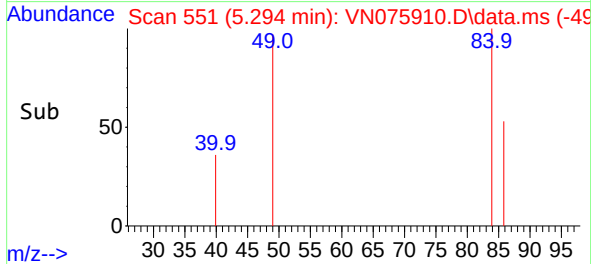
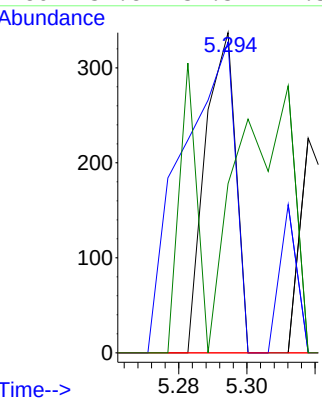
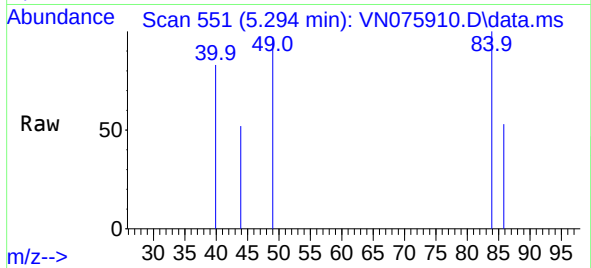
Ion Ratio Lower Upper

84 100

49 97.0 81.8 122.6

51 0.0 26.7 40.1#

86 52.8 51.5 77.3



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN075910.D

Acq: 21 Dec 2022 11:20

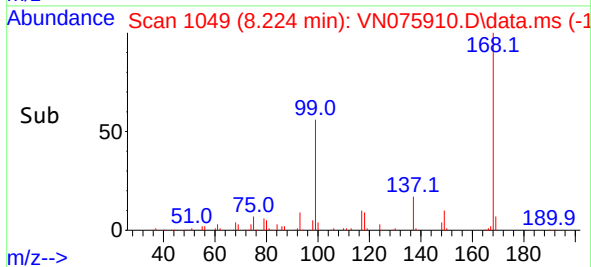
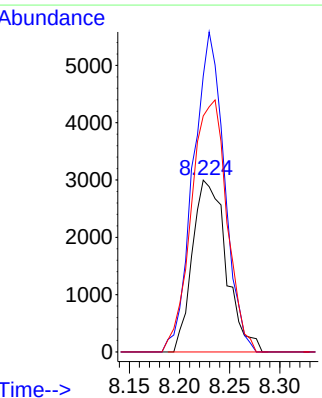
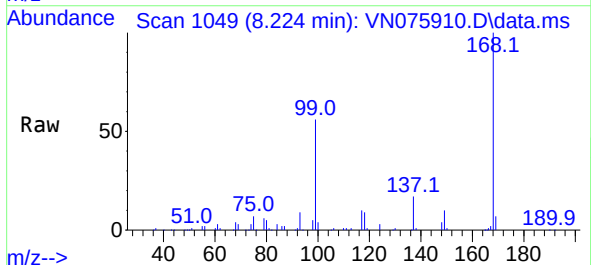
Tgt Ion: 56 Resp: 7027

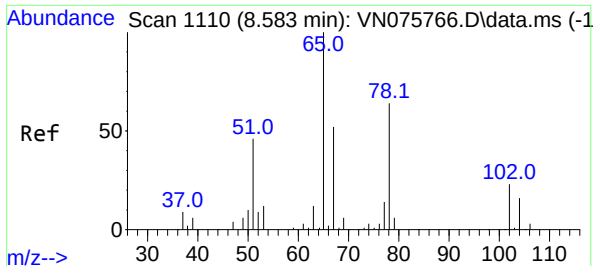
Ion Ratio Lower Upper

56 100

69 160.5 24.7 37.1#

84 137.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.404 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075910.D

Acq: 21 Dec 2022 11:20

Instrument :

MSVOA_N

ClientSampleId :

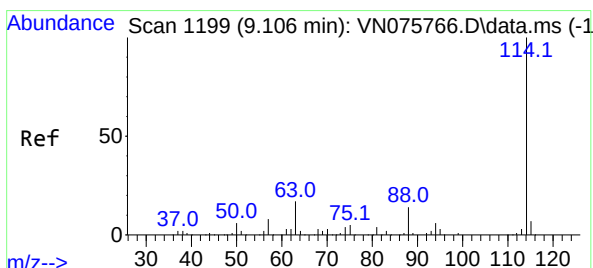
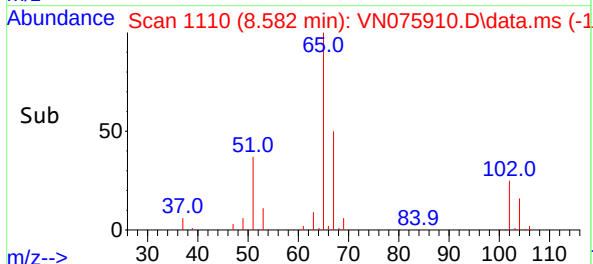
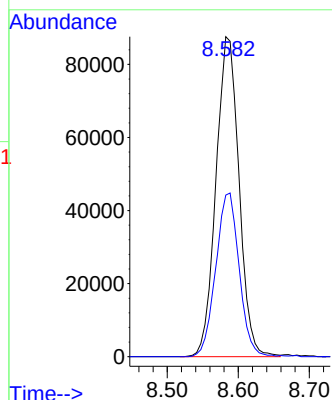
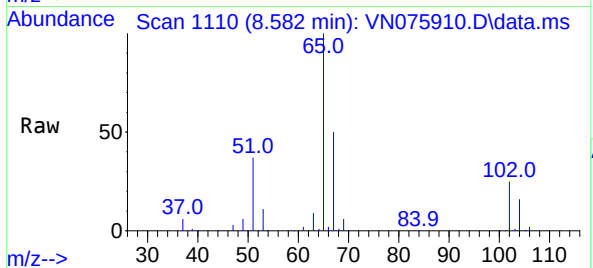
VN1221WBL01

Tgt Ion: 65 Resp: 197252

Ion Ratio Lower Upper

65 100

67 51.9 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: VN075910.D

Acq: 21 Dec 2022 11:20

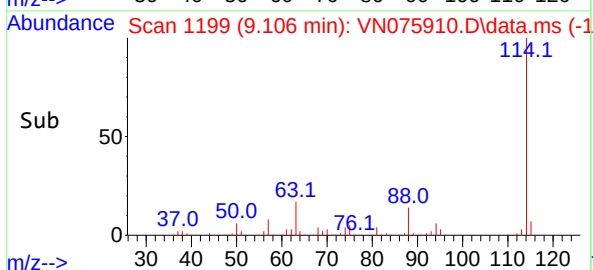
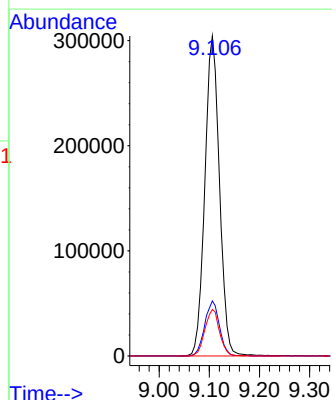
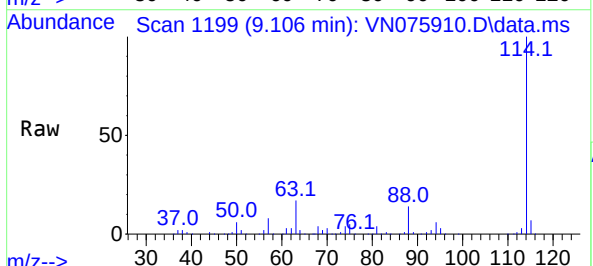
Tgt Ion: 114 Resp: 617149

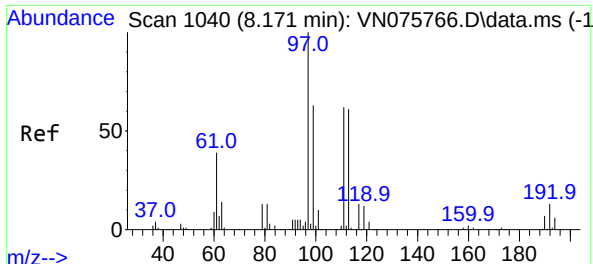
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

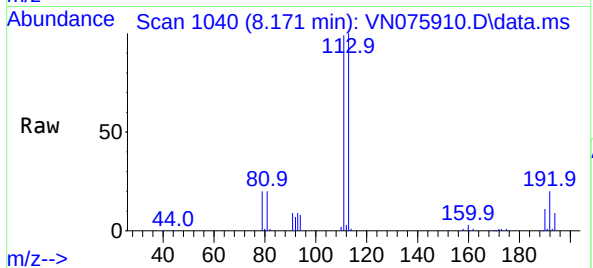
88 14.5 0.0 28.8



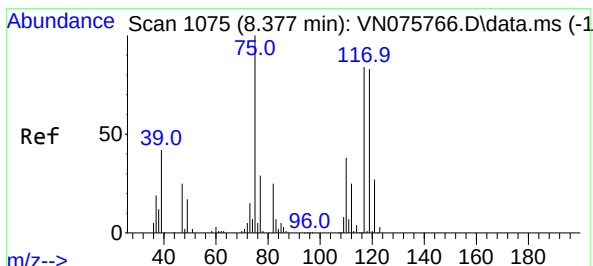
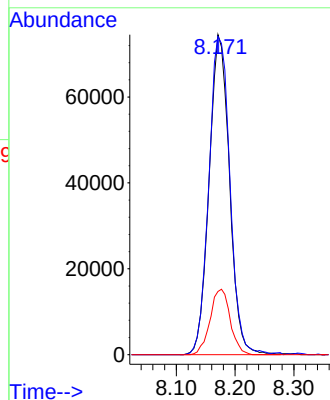
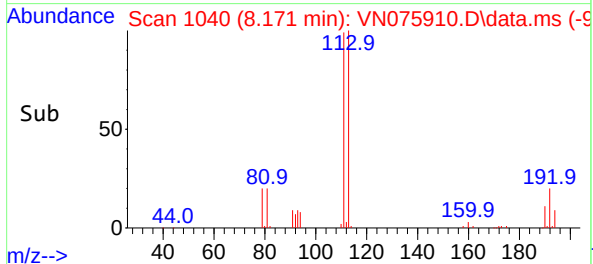


#35
Dibromofluoromethane
Concen: 46.910 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

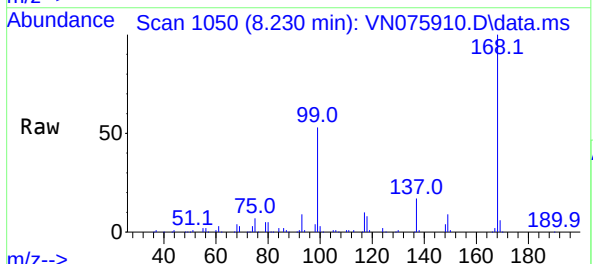
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBL01



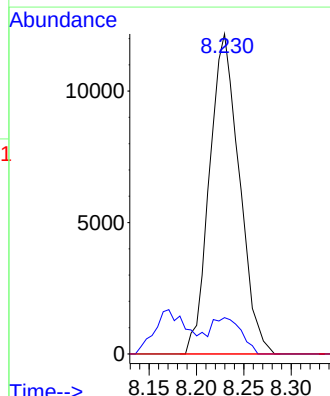
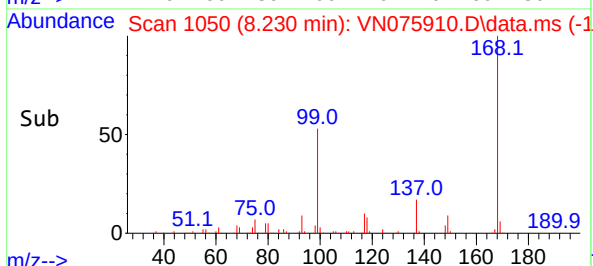
Tgt Ion:113 Resp: 179286
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 20.2 16.1 24.1

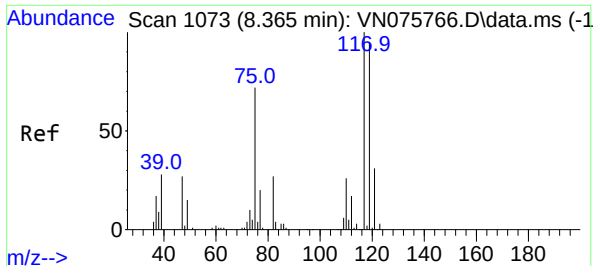


#36
1,1-Dichloropropene
Concen: 5.244 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20



Tgt Ion: 75 Resp: 26622
Ion Ratio Lower Upper
75 100
110 10.7 18.8 56.4#
77 0.0 24.1 36.1#

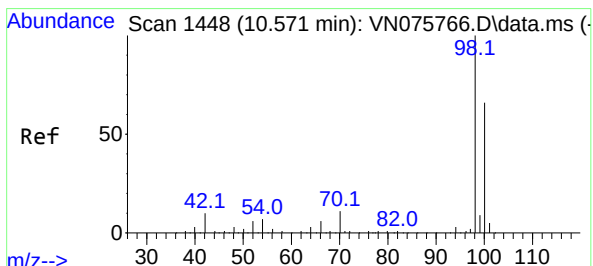
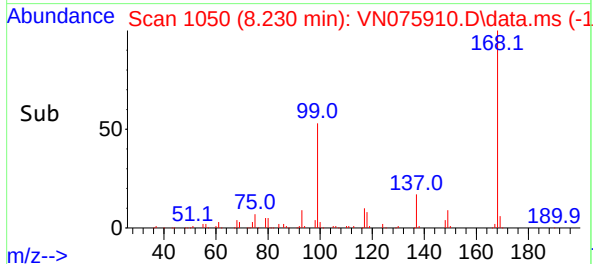
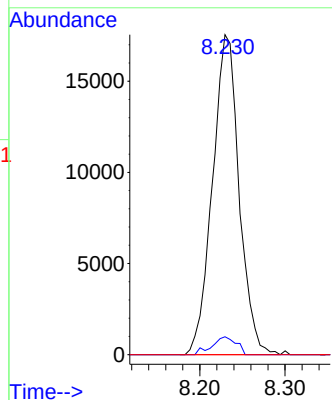
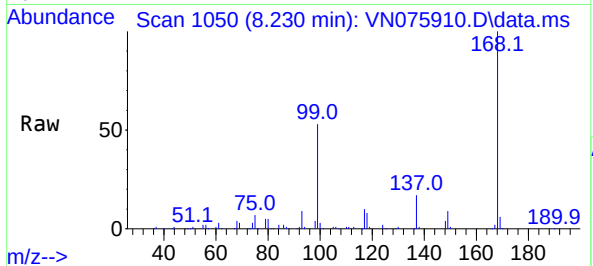




#38
Carbon Tetrachloride
Concen: 6.715 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

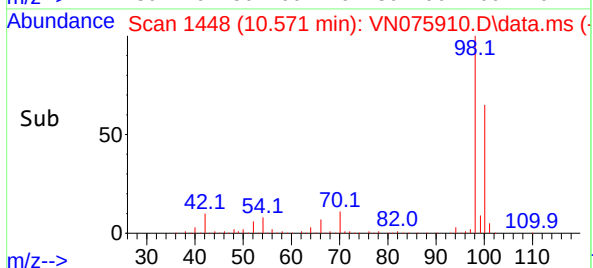
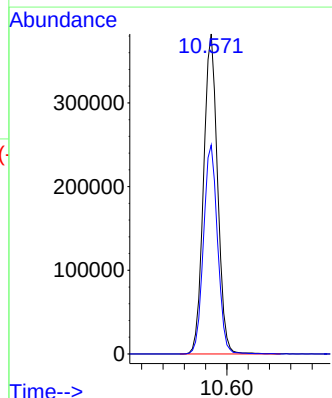
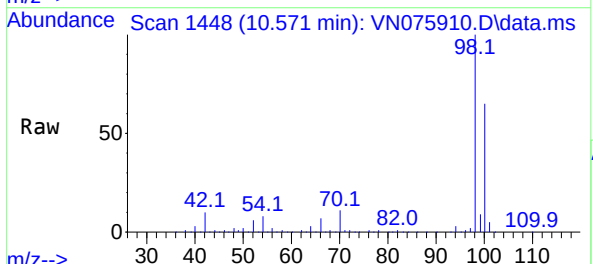
Instrument :
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ClientSampleId :
VN1221WBL01

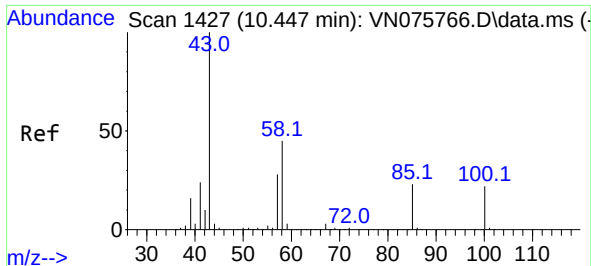
Tgt Ion:117 Resp: 38156
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.714 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

Tgt Ion: 98 Resp: 696115
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.588 ug/l

RT: 10.571 min Scan# 1427

Delta R.T. 0.123 min

Lab File: VN075910.D

Acq: 21 Dec 2022 11:20

Instrument :

MSVOA_N

ClientSampleId :

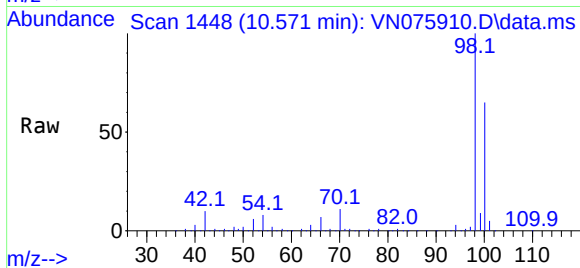
VN1221WBL01

Tgt Ion: 43 Resp: 2393

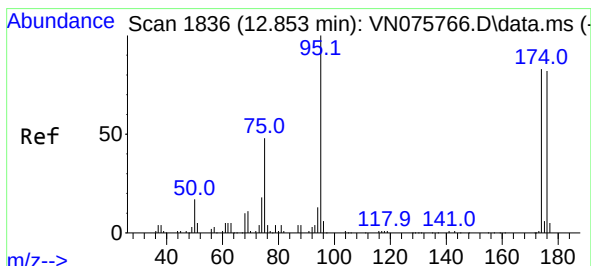
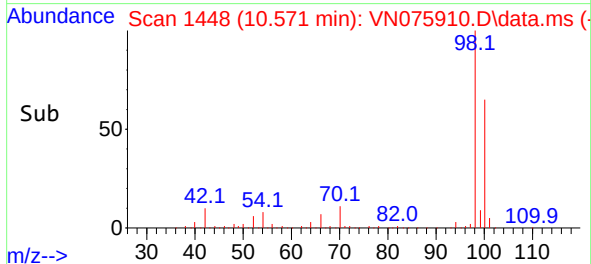
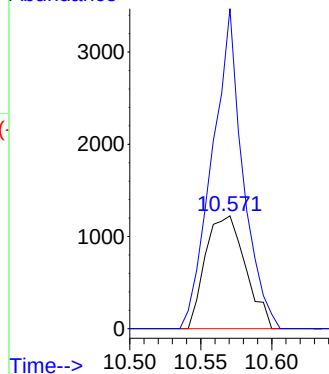
Ion Ratio Lower Upper

43 100

58 219.1 35.5 53.3#



Abundance



#62

4-Bromofluorobenzene

Concen: 46.757 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.000 min

Lab File: VN075910.D

Acq: 21 Dec 2022 11:20

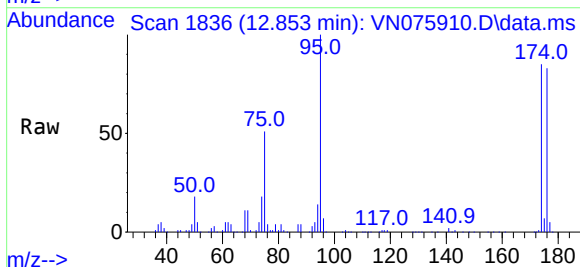
Tgt Ion: 95 Resp: 221298

Ion Ratio Lower Upper

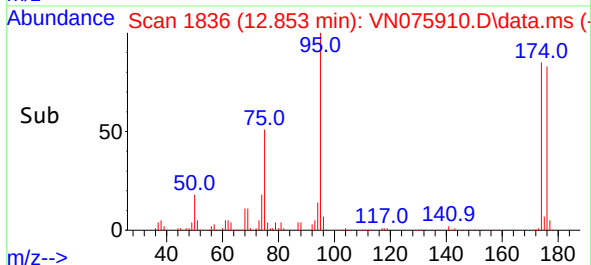
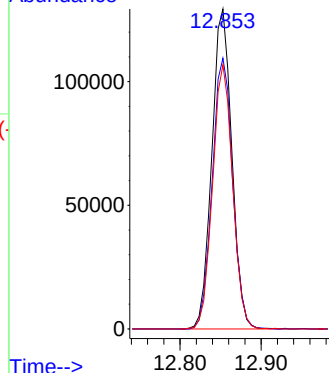
95 100

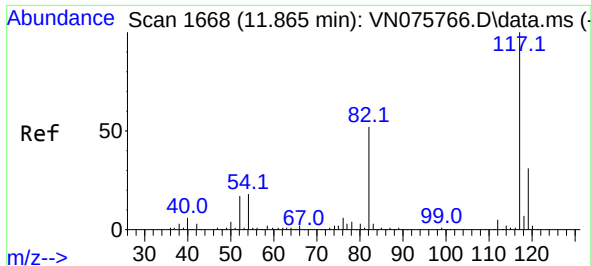
174 86.4 0.0 171.6

176 82.6 0.0 169.2



Abundance

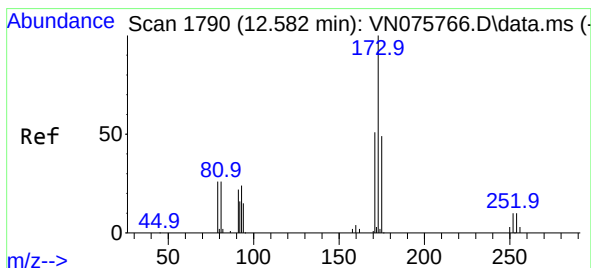
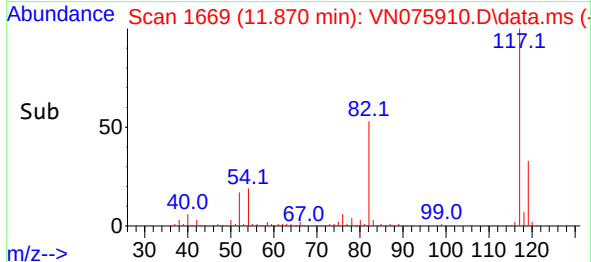
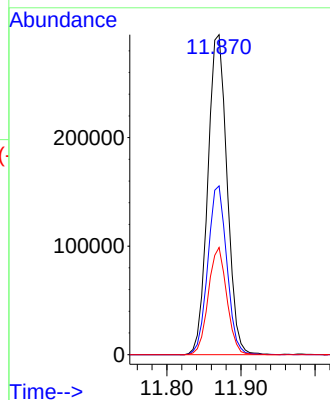
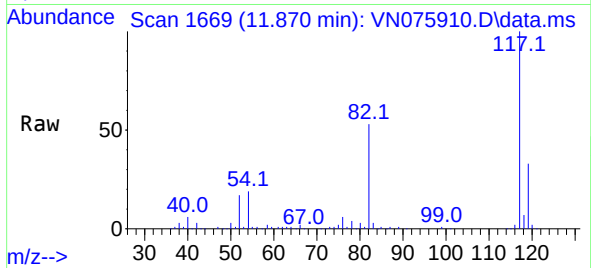




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

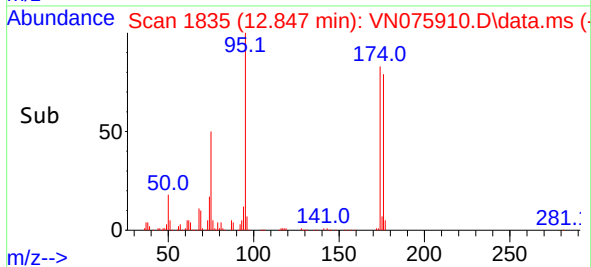
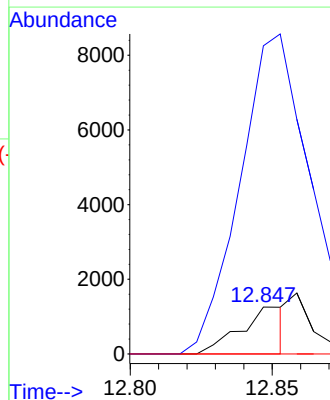
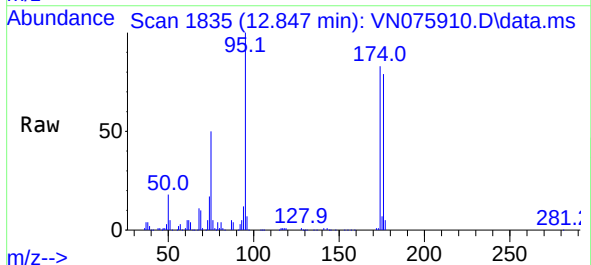
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBL01

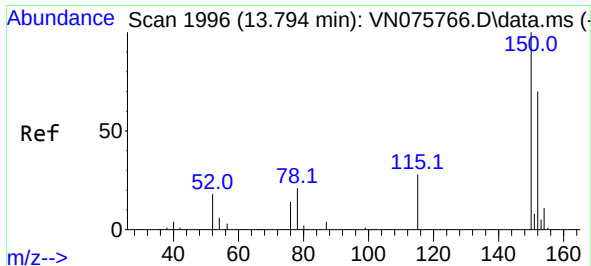
Tgt Ion:117 Resp: 532526
Ion Ratio Lower Upper
117 100
82 52.7 41.3 61.9
119 33.5 24.6 37.0



#71
Bromoform
Concen: 0.475 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

Tgt Ion:173 Resp: 1399
Ion Ratio Lower Upper
173 100
175 850.4 24.3 72.8#
254 0.0 0.0 0.0

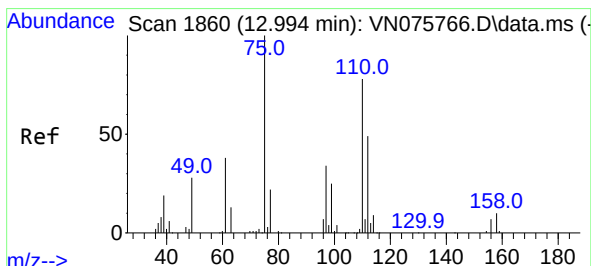
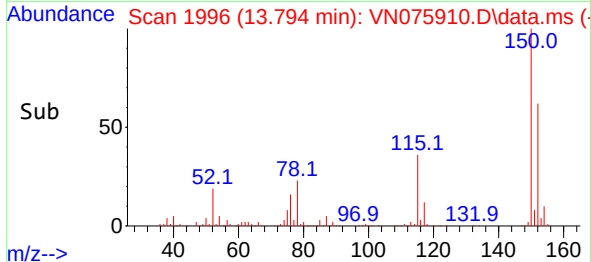
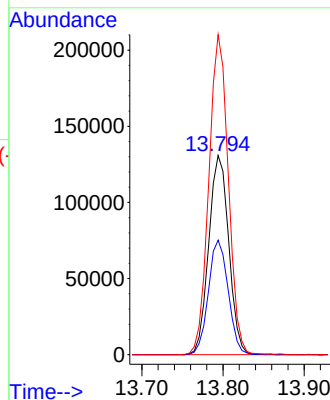
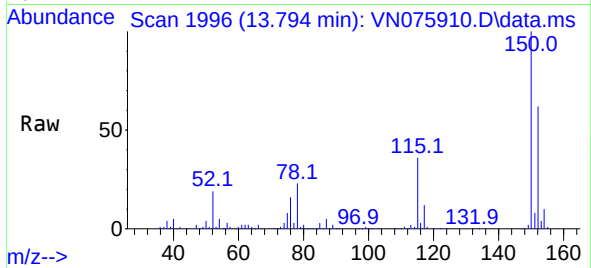




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

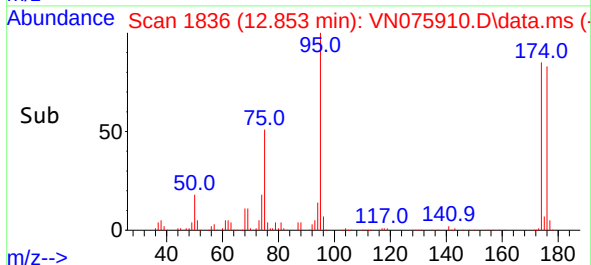
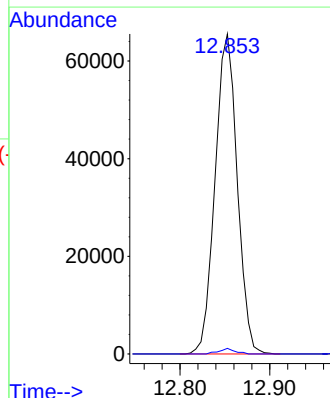
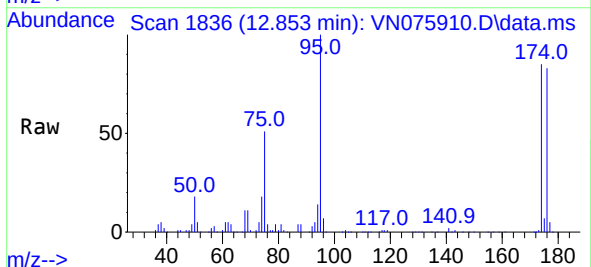
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBL01

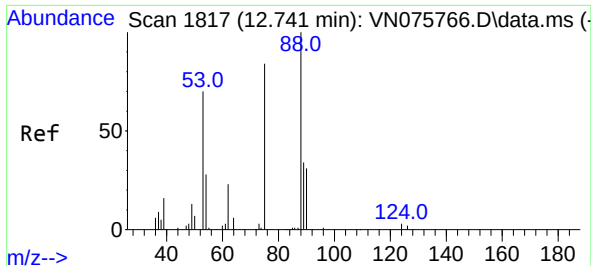
Tgt Ion:152 Resp: 224314
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.4
150 156.1 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.819 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

Tgt Ion: 75 Resp: 112221
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

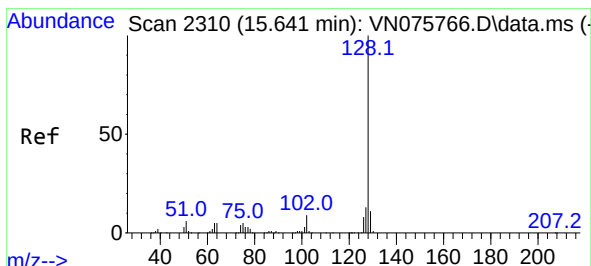
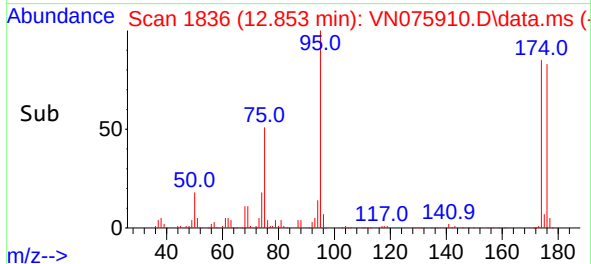
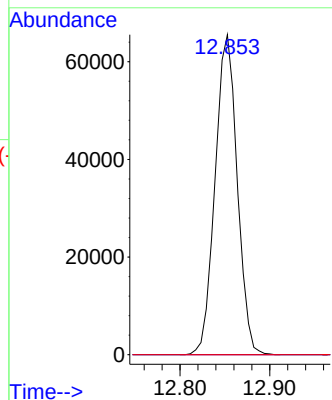
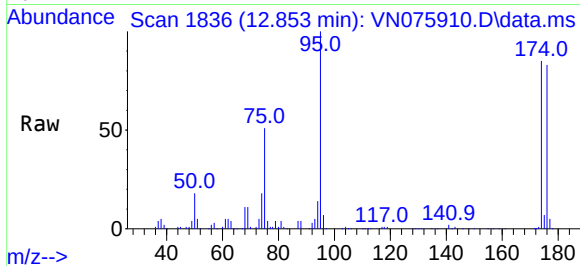




#81
trans-1,4-Dichloro-2-butene
Concen: 89.335 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

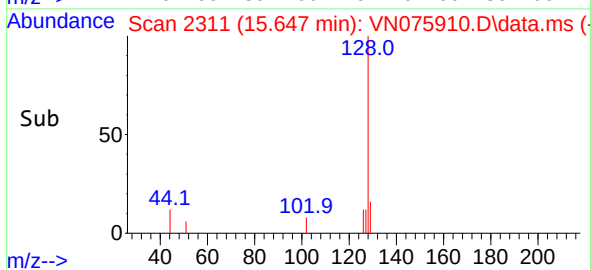
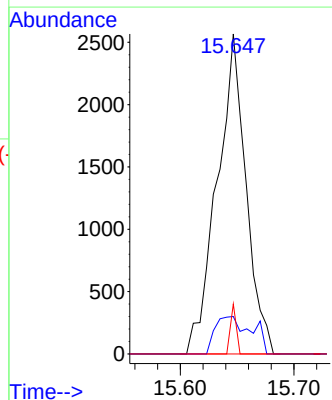
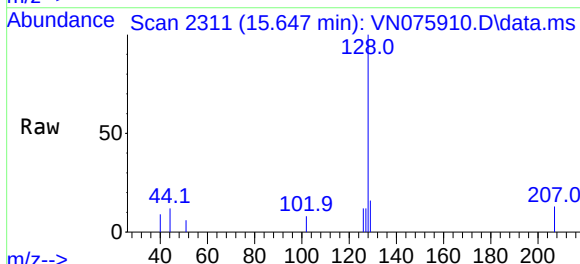
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBL01

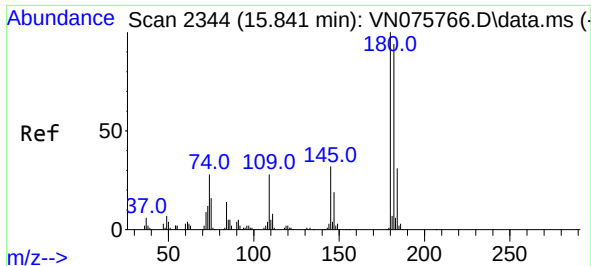
Tgt Ion: 75 Resp: 112221
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.533 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075910.D
Acq: 21 Dec 2022 11:20

Tgt Ion:128 Resp: 4543
Ion Ratio Lower Upper
128 100
127 14.6 10.4 15.6
129 3.1 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.337 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075910.D

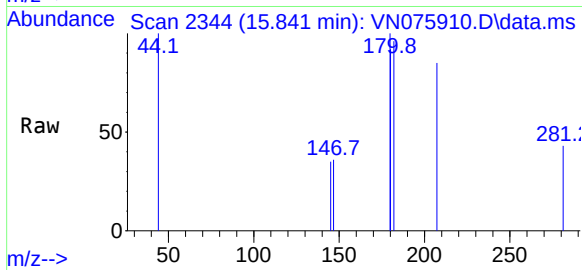
Acq: 21 Dec 2022 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBL01



Tgt Ion:180 Resp: 1165

Ion Ratio Lower Upper

180 100

182 79.8 47.0 141.0

145 10.4 16.0 47.9#

