

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075859.D
 Acq On : 16 Dec 2022 19:50
 Operator : JC\MD
 Sample : N6102-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Dec 17 08:44:22 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)

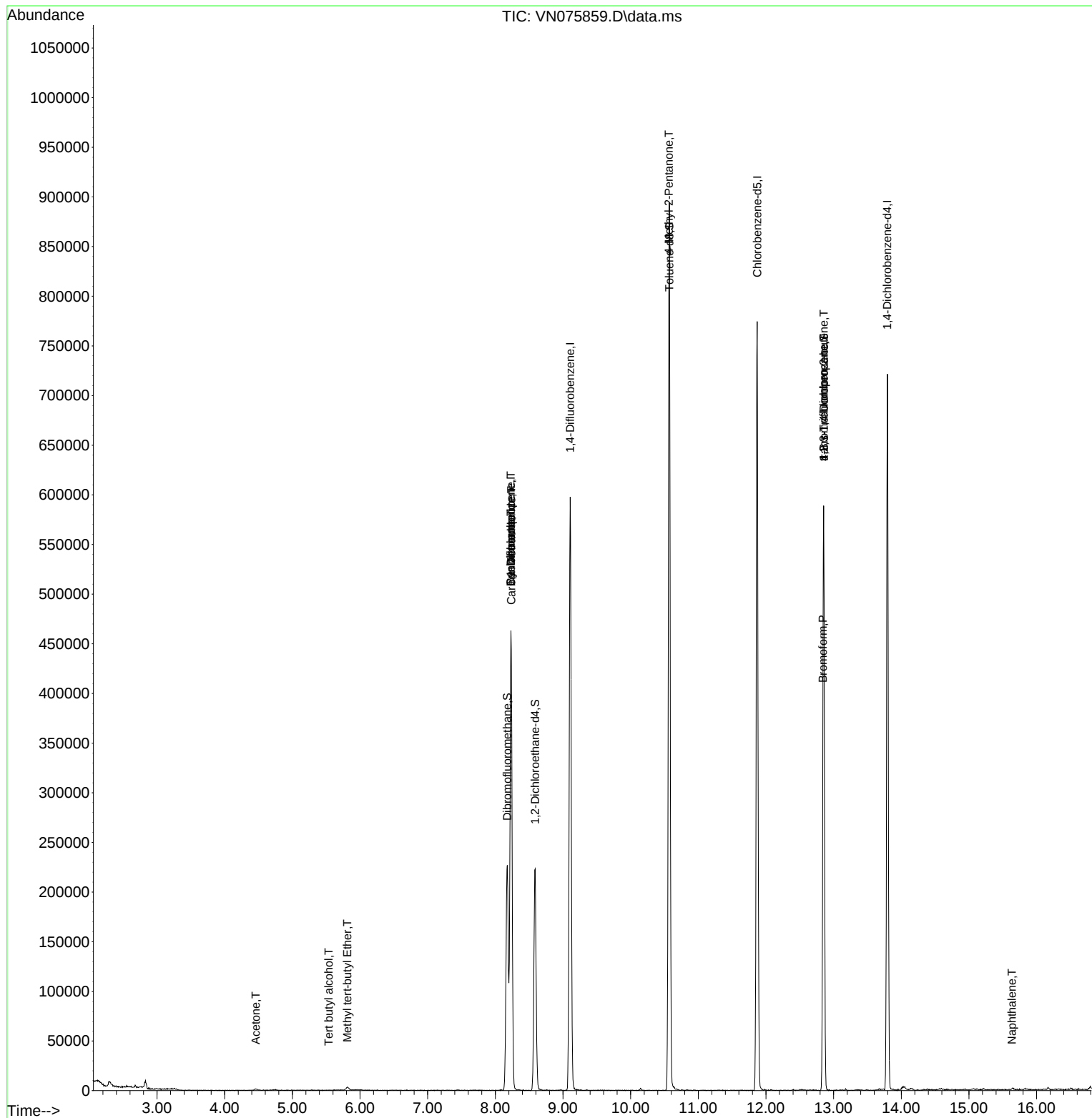
Internal Standards						
1) Pentafluorobenzene	8.230	168	364055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	555249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	475036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	182648	46.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.240%		
35) Dibromofluoromethane	8.177	113	166971	48.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	10.571	98	637616	49.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.180%		
62) 4-Bromofluorobenzene	12.853	95	198140	46.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.060%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	144	0.257	ug/l #	72
16) Acetone	4.459	43	2978	2.181	ug/l #	73
19) Methyl tert-butyl Ether	5.812	73	5731	0.539	ug/l	93
20) Methylene Chloride	5.283	84	114	Below Cal	#	12
31) Cyclohexane	8.230	56	6842	1.206	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	24732	5.414	ug/l #	49
38) Carbon Tetrachloride	8.236	117	34888	6.824	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	2224	0.608	ug/l #	1
71) Bromoform	12.841	173	1676	0.638	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	100381	24.499	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100381	88.183	ug/l #	12
95) Naphthalene	15.635	128	1455	2.303	ug/l #	84

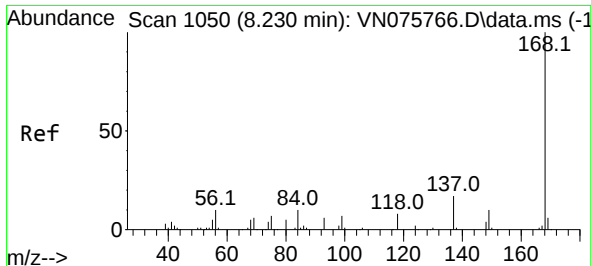
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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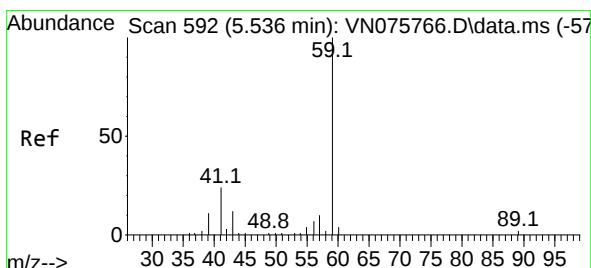
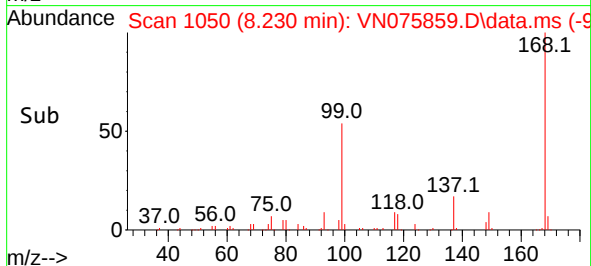
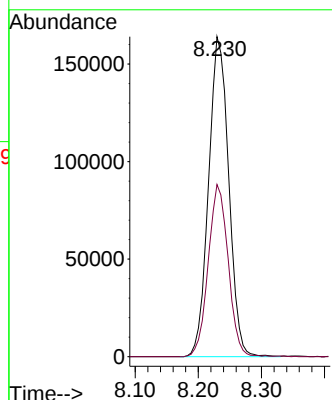
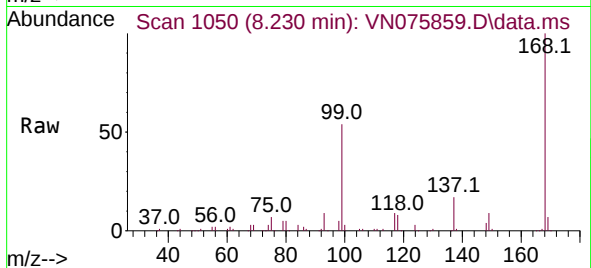




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

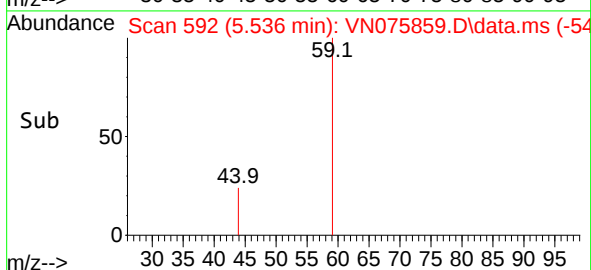
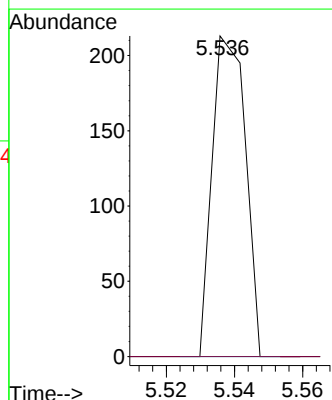
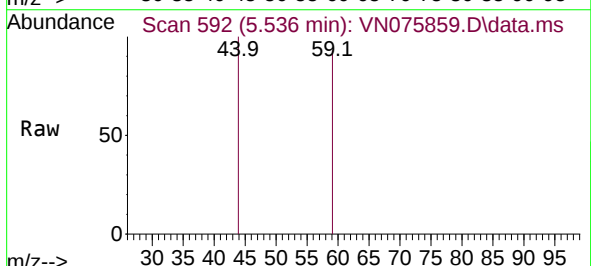
Instrument :
MSVOA_N
ClientSampleId :
MW-1

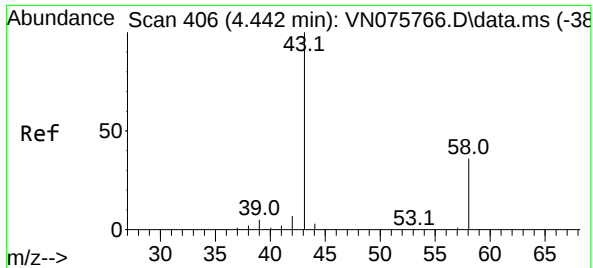
Tgt Ion:168 Resp: 364055
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.257 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

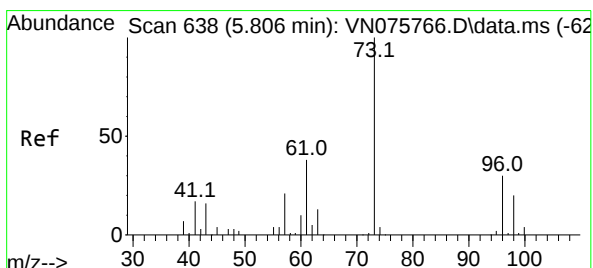
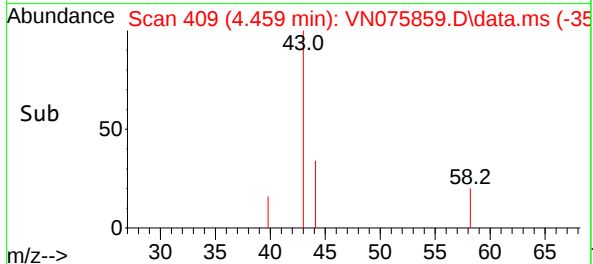
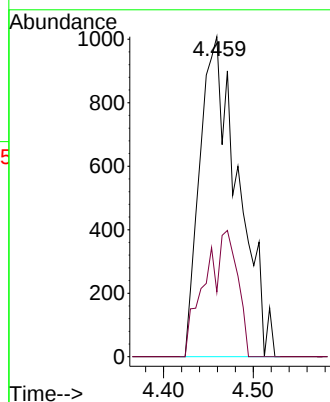
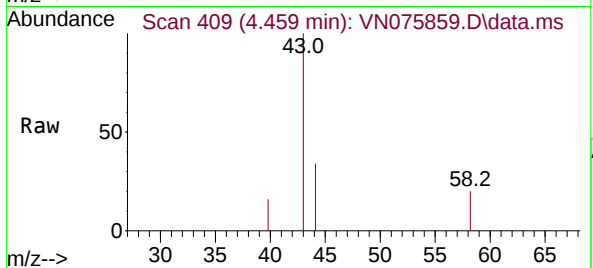




#16
Acetone
Concen: 2.181 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.018 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

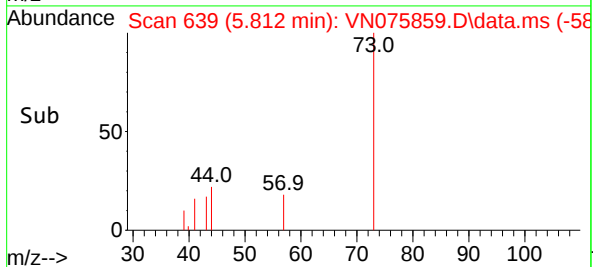
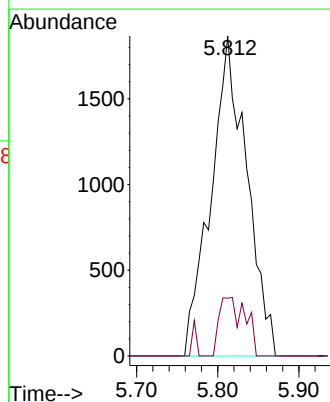
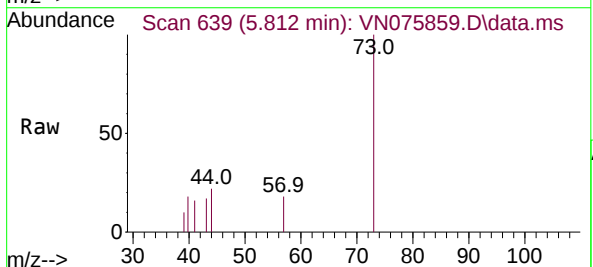
Instrument :
MSVOA_N
ClientSampleId :
MW-1

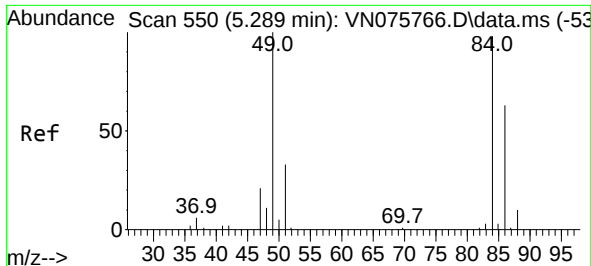
Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
58 20.2 28.6 43.0#



#19
Methyl tert-butyl Ether
Concen: 0.539 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Tgt Ion: 73 Resp: 5731
Ion Ratio Lower Upper
73 100
57 18.1 17.1 25.7

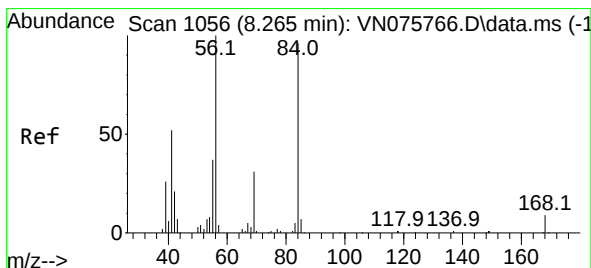
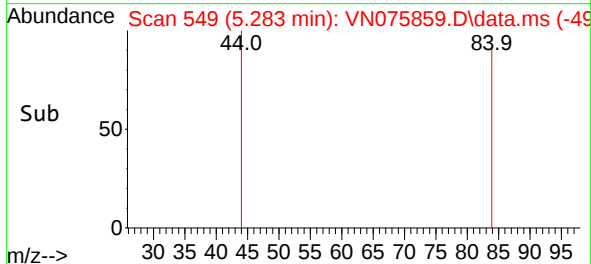
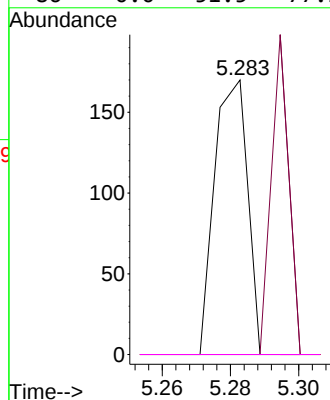
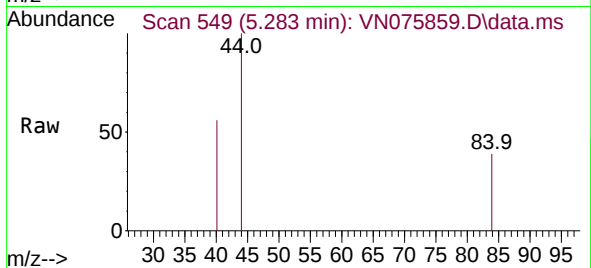




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

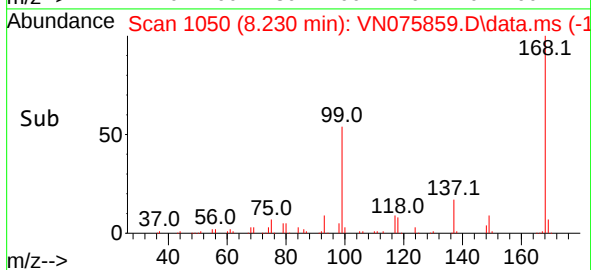
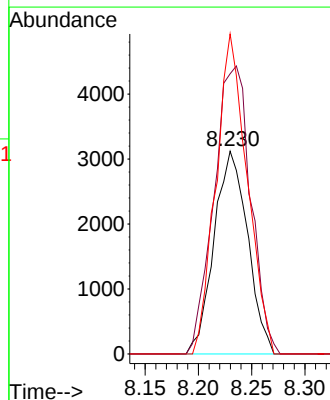
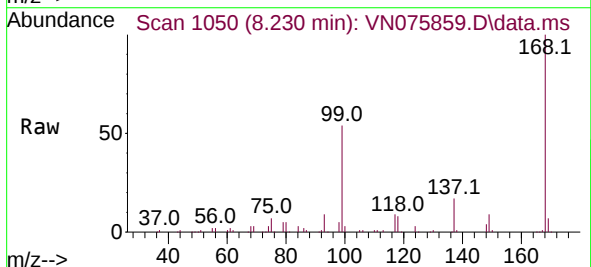
Instrument :
MSVOA_N
ClientSampleId :
MW-1

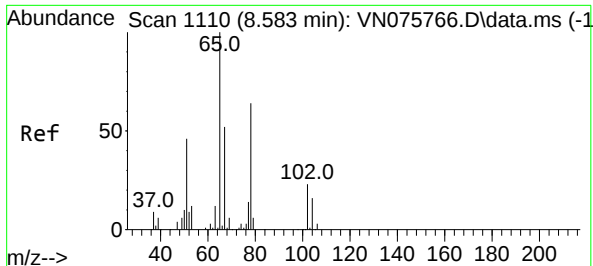
Tgt Ion:	84	Resp:	114
Ion	Ratio	Lower	Upper
84	100		
49	0.0	81.8	122.6#
51	0.0	26.7	40.1#
86	0.0	51.5	77.3#



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Tgt Ion:	56	Resp:	6842
Ion	Ratio	Lower	Upper
56	100		
69	138.2	24.7	37.1#
84	157.8	76.5	114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.116 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN075859.D

Acq: 16 Dec 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

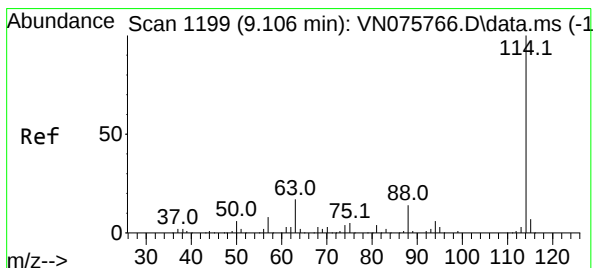
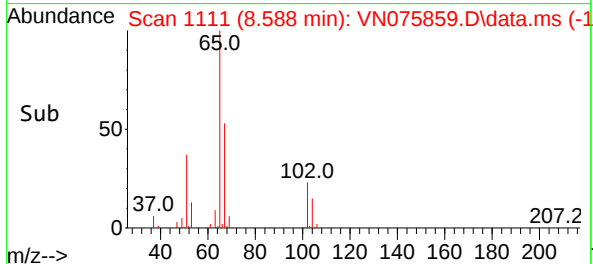
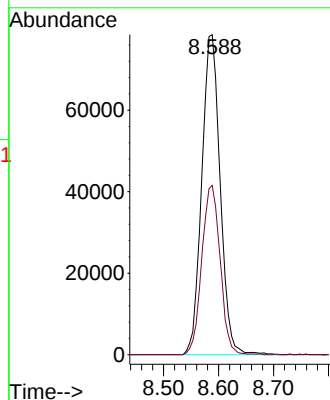
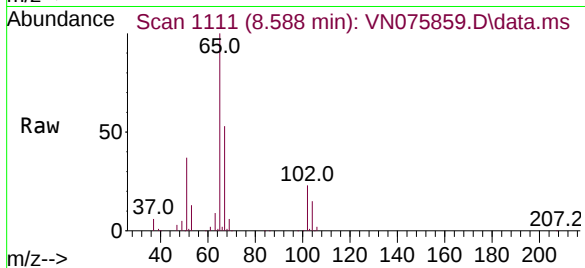
MW-1

Tgt Ion: 65 Resp: 182648

Ion Ratio Lower Upper

65 100

67 52.8 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: VN075859.D

Acq: 16 Dec 2022 19:50

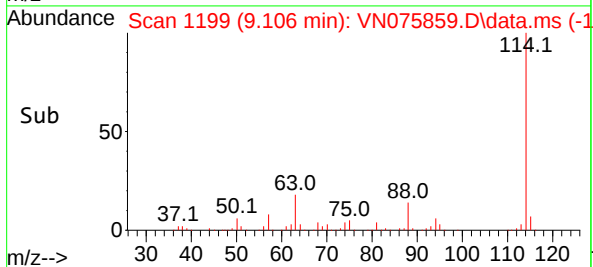
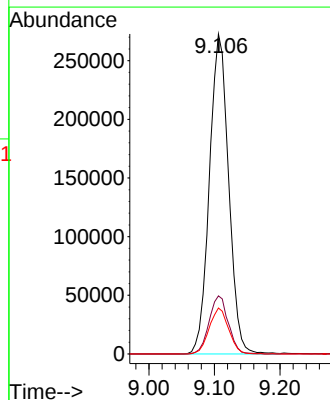
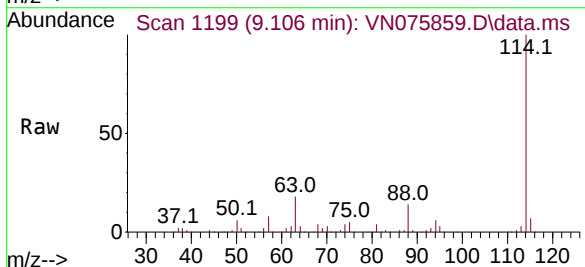
Tgt Ion: 114 Resp: 555249

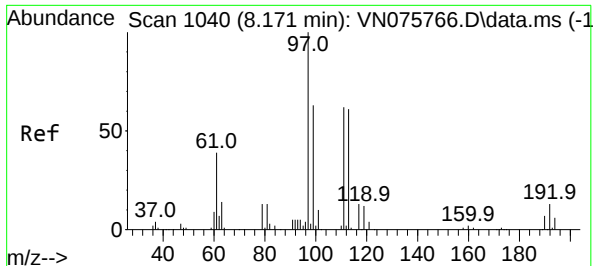
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 14.3 0.0 28.8

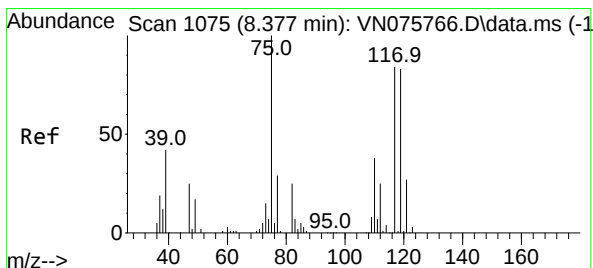
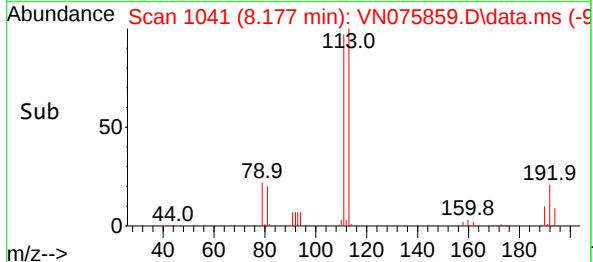
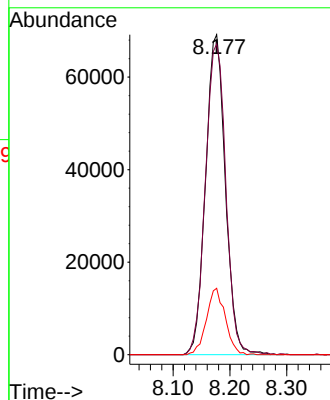
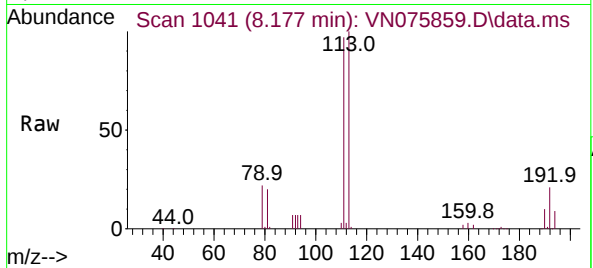




#35
Dibromofluoromethane
Concen: 48.558 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

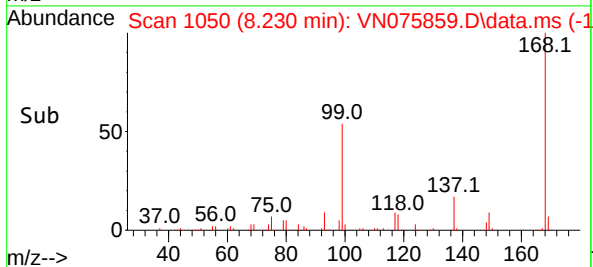
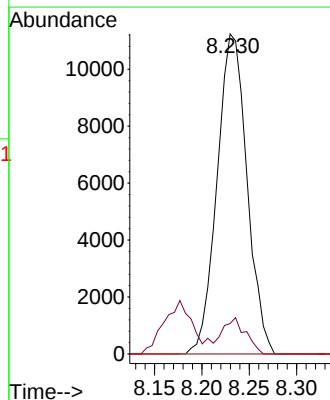
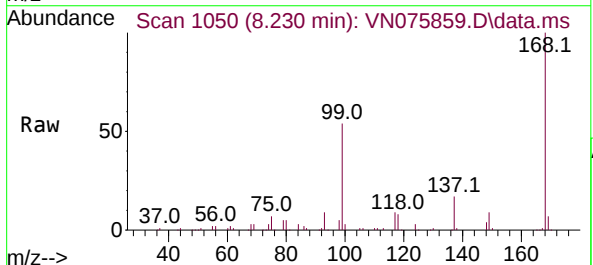
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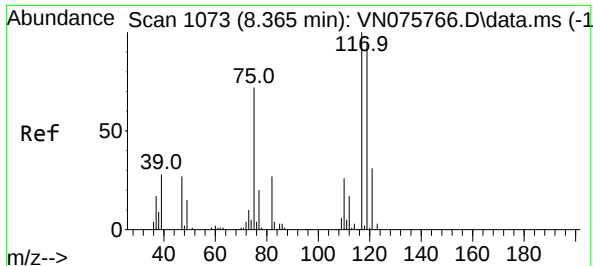
Tgt Ion:113 Resp: 166971
Ion Ratio Lower Upper
113 100
111 100.5 83.4 125.2
192 19.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.414 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Tgt Ion: 75 Resp: 24732
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 24.1 36.1#

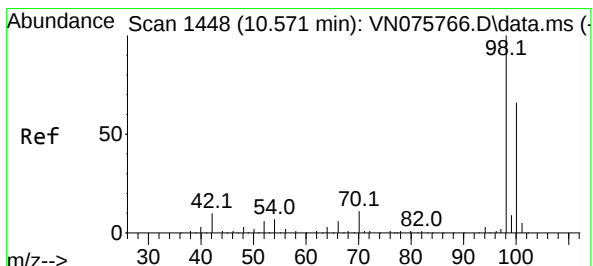
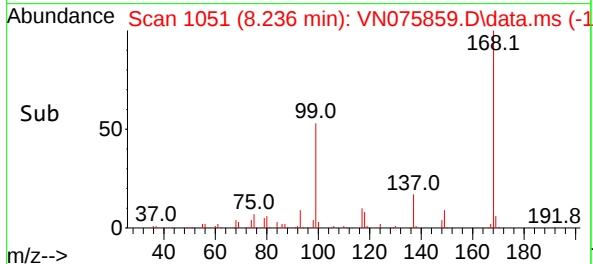
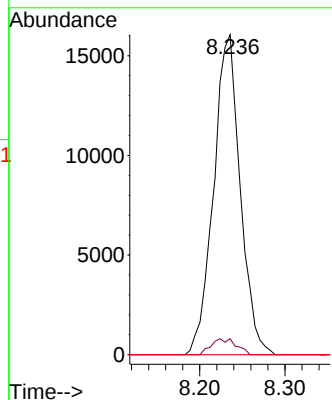
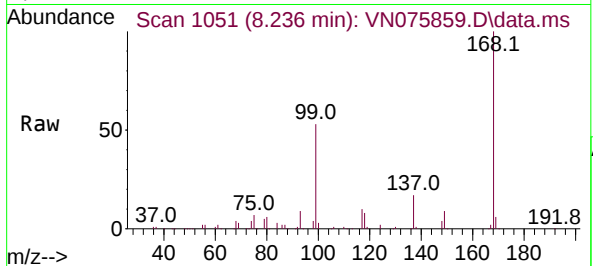




#38
Carbon Tetrachloride
Concen: 6.824 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

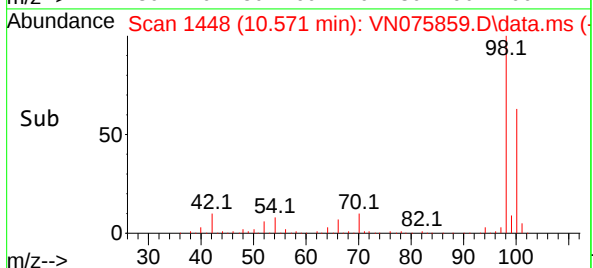
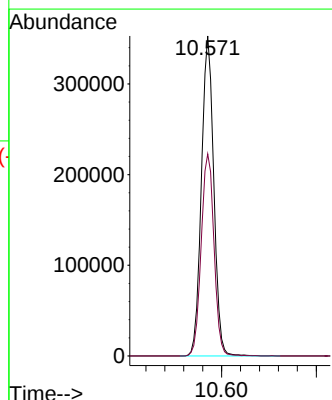
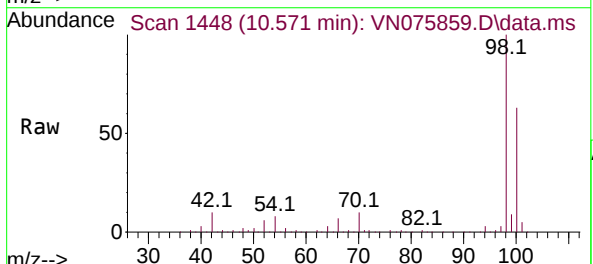
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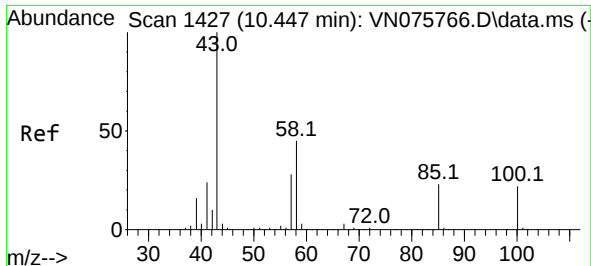
Tgt Ion:117 Resp: 34888
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.595 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Tgt Ion: 98 Resp: 637616
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.608 ug/l

RT: 10.565 min Scan# 1427

Delta R.T. 0.118 min

Lab File: VN075859.D

Acq: 16 Dec 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

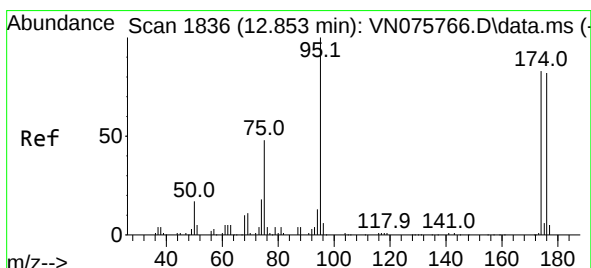
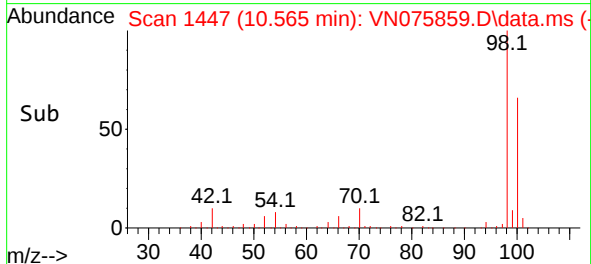
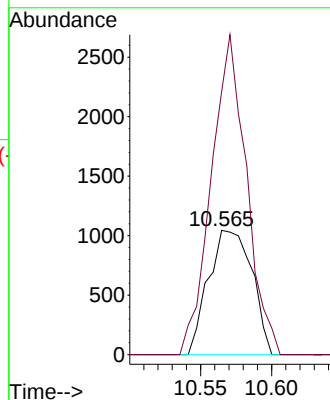
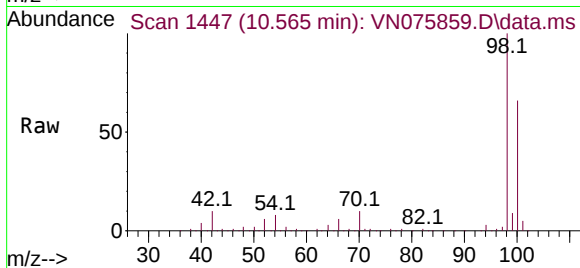
MW-1

Tgt Ion: 43 Resp: 2224

Ion Ratio Lower Upper

43 100

58 208.5 35.5 53.3#



#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN075859.D

Acq: 16 Dec 2022 19:50

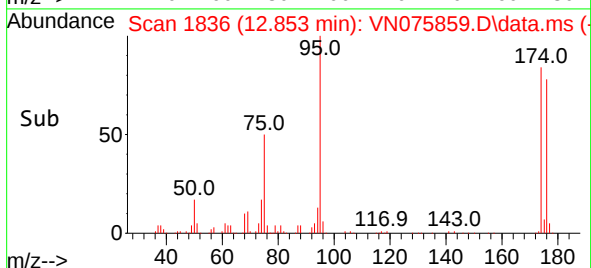
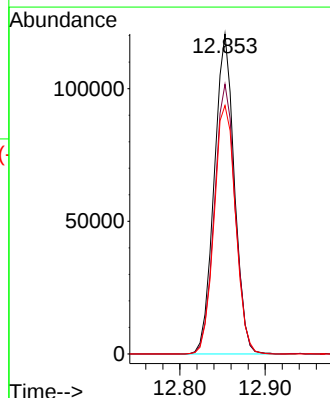
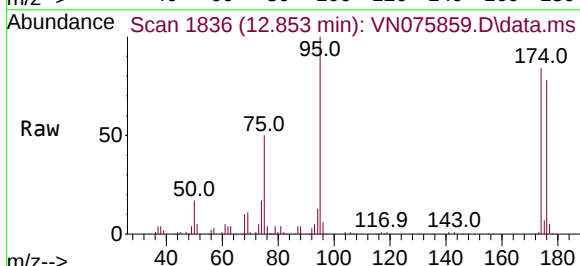
Tgt Ion: 95 Resp: 198140

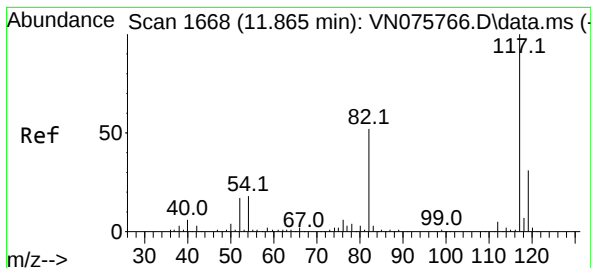
Ion Ratio Lower Upper

95 100

174 86.8 0.0 171.6

176 82.6 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075859.D

Acq: 16 Dec 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

MW-1

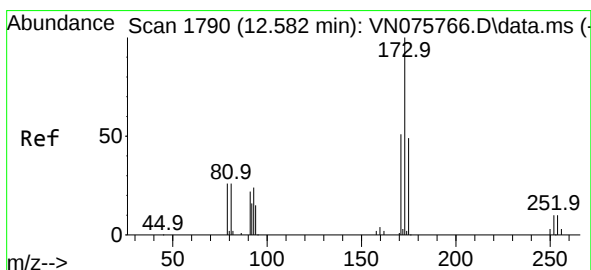
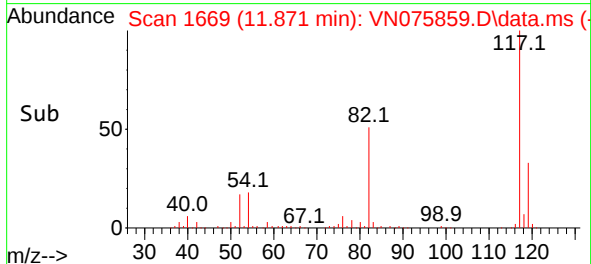
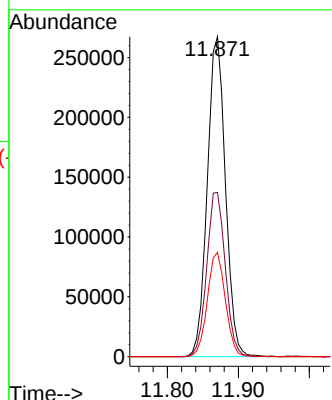
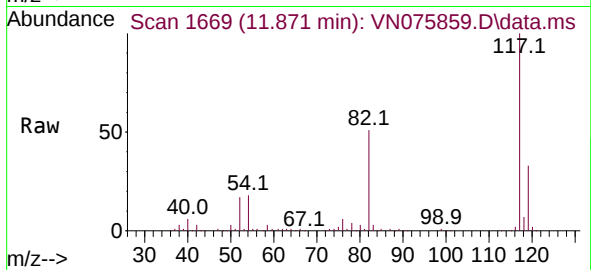
Tgt Ion:117 Resp: 475036

Ion Ratio Lower Upper

117 100

82 51.3 41.3 61.9

119 32.6 24.6 37.0



#71

Bromoform

Concen: 0.638 ug/l

RT: 12.841 min Scan# 1834

Delta R.T. 0.259 min

Lab File: VN075859.D

Acq: 16 Dec 2022 19:50

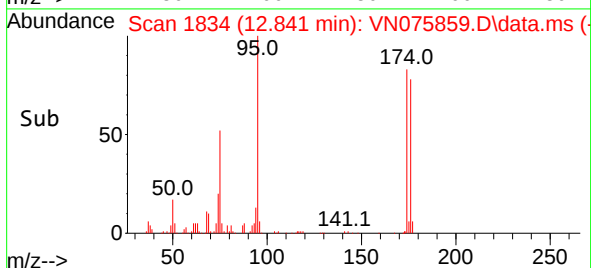
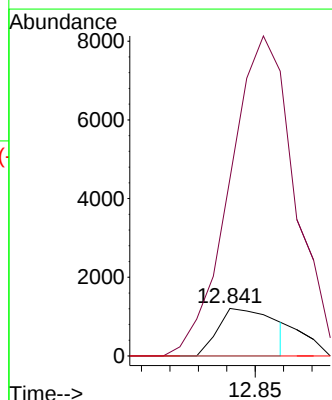
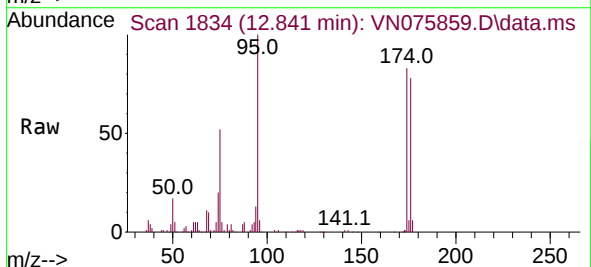
Tgt Ion:173 Resp: 1676

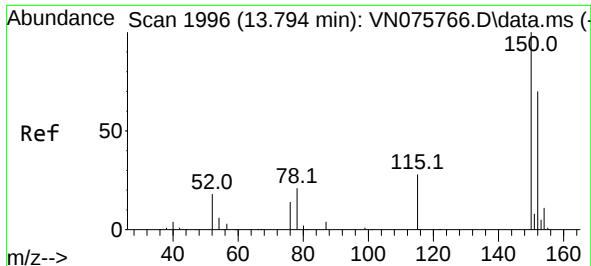
Ion Ratio Lower Upper

173 100

175 634.4 24.3 72.8#

254 0.0 0.0 0.0

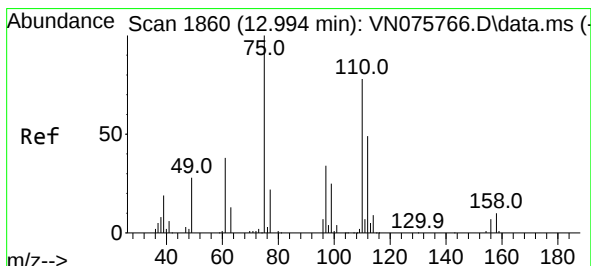
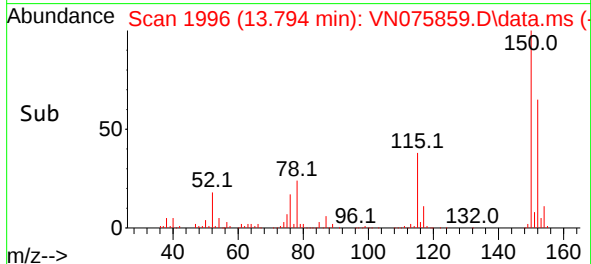
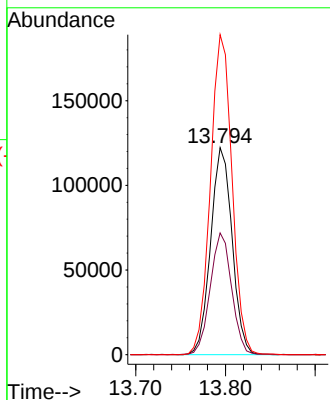
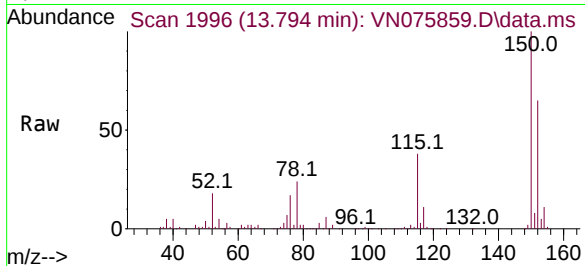




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075859.D
 Acq: 16 Dec 2022 19:50

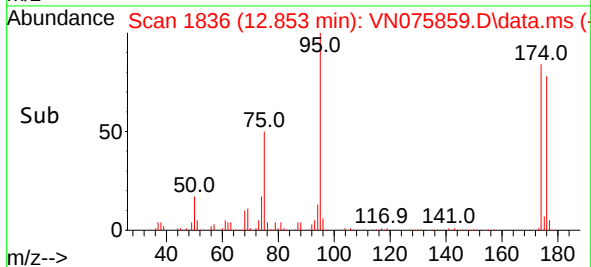
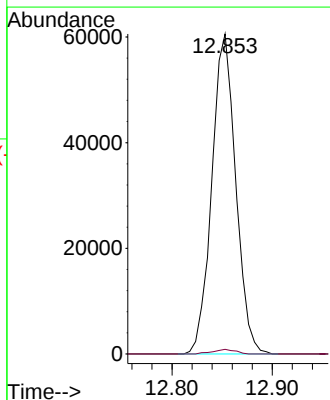
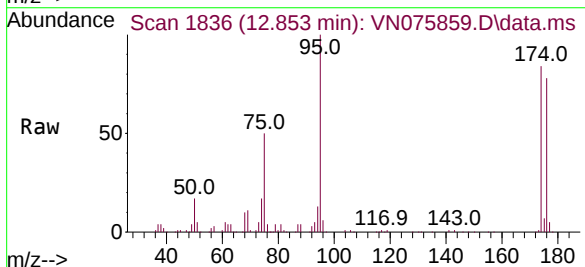
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

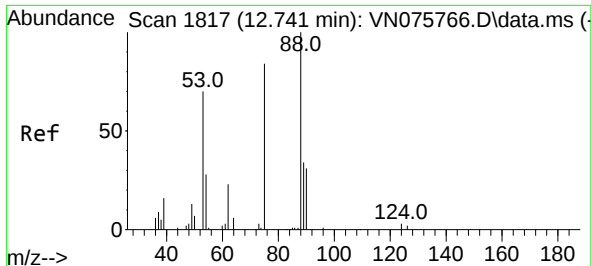
Tgt Ion:152 Resp: 203269
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.1 87.4
 150 155.3 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.499 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075859.D
 Acq: 16 Dec 2022 19:50

Tgt Ion: 75 Resp: 100381
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.6 247.8#

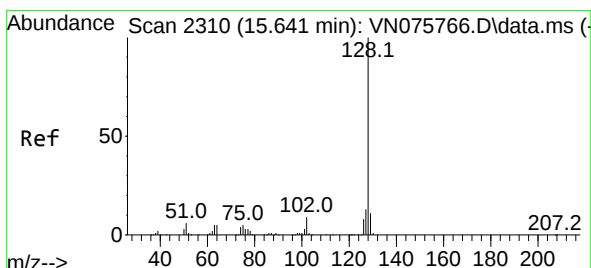
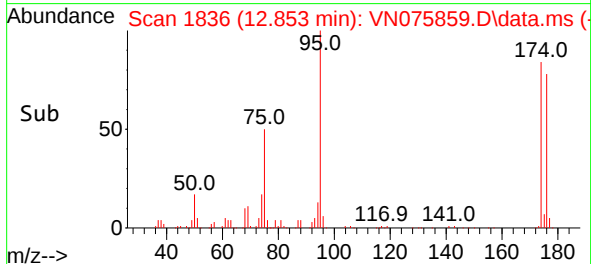
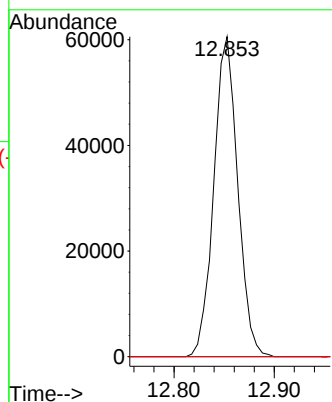
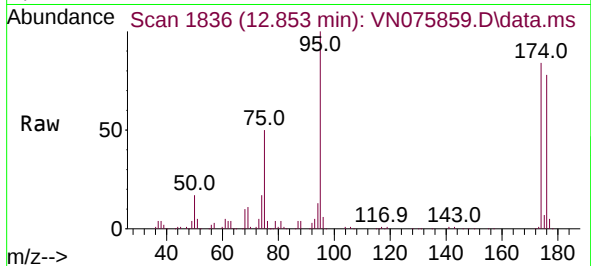




#81
trans-1,4-Dichloro-2-butene
Concen: 88.183 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 75 Resp: 100381
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.303 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN075859.D
Acq: 16 Dec 2022 19:50

Tgt Ion:128 Resp: 1455
Ion Ratio Lower Upper
128 100
127 4.1 10.4 15.6#
129 14.2 8.7 13.1#

