

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087159.D
 Acq On : 24 Jun 2025 16:11
 Operator : JC\MD
 Sample : Q2402-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OBSI

Quant Time: Jun 25 04:20:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

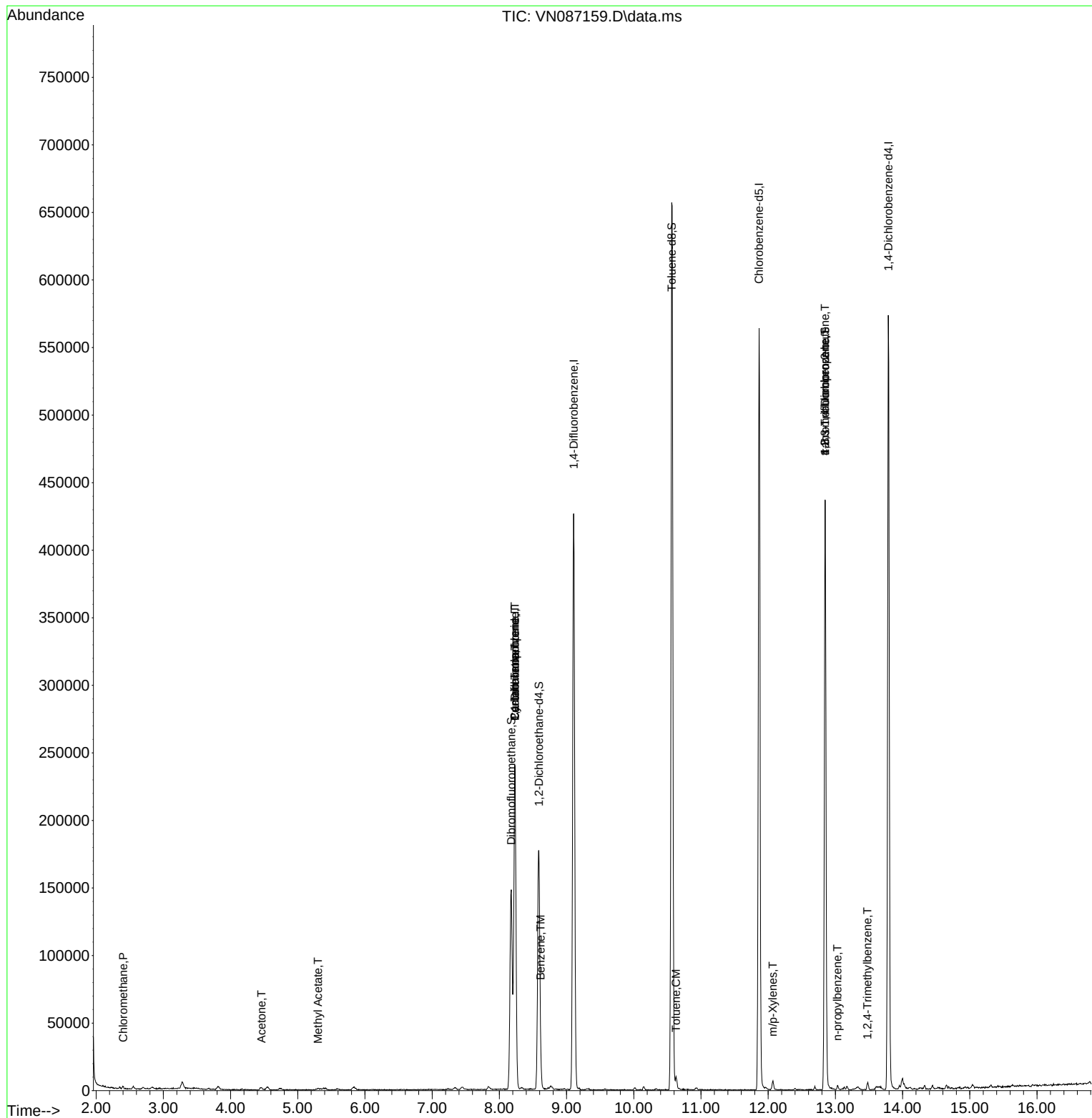
Internal Standards						
1) Pentafluorobenzene	8.230	168	181938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	336293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	148885	61.120	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.240%	
35) Dibromofluoromethane	8.177	113	115149	50.194	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.380%	
50) Toluene-d8	10.565	98	479901	52.842	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.680%	
62) 4-Bromofluorobenzene	12.847	95	166768	49.425	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.401	50	1849	0.789	ug/l	99
16) Acetone	4.459	43	3501	2.710	ug/l	98
18) Methyl Acetate	5.300	43	855	0.227	ug/l #	49
31) Cyclohexane	8.230	56	4474	1.132	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	15307	4.478	ug/l #	47
38) Carbon Tetrachloride	8.230	117	18061	5.382	ug/l #	16
40) Benzene	8.612	78	9158	0.819	ug/l	93
52) Toluene	10.629	92	3923	0.574	ug/l	96
68) m/p-Xylenes	12.070	106	2339	0.478	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	81826	21.499	ug/l #	1
78) n-propylbenzene	13.029	91	3238	0.228	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.847	75	81826	49.489	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.476	105	3960	0.410	ug/l	99

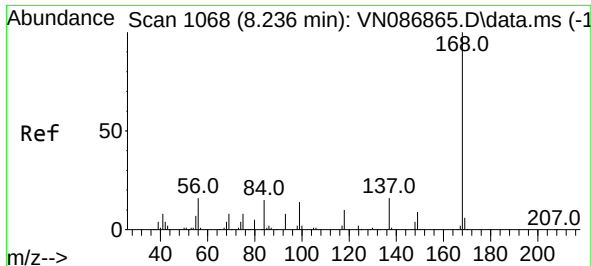
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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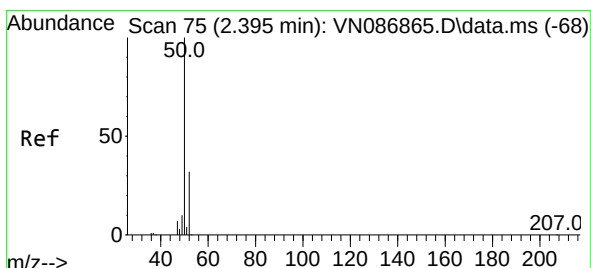
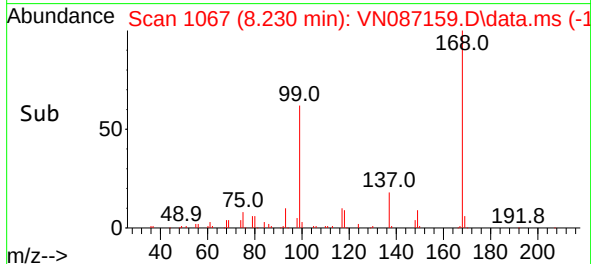
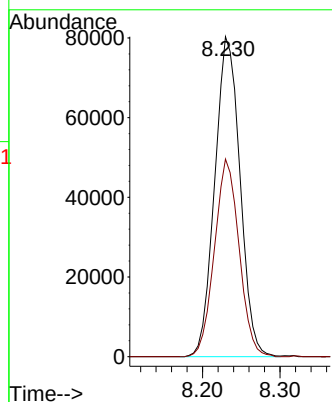
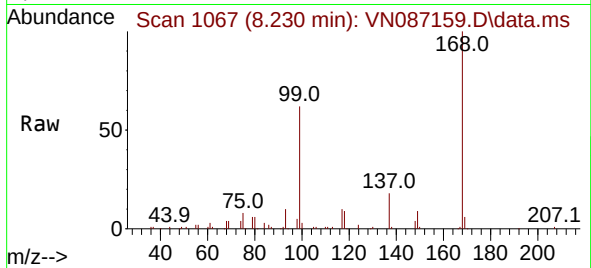




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

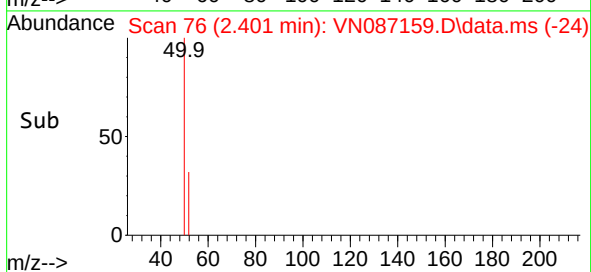
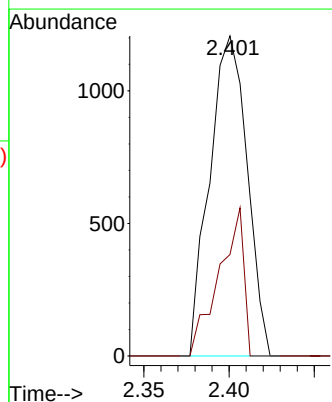
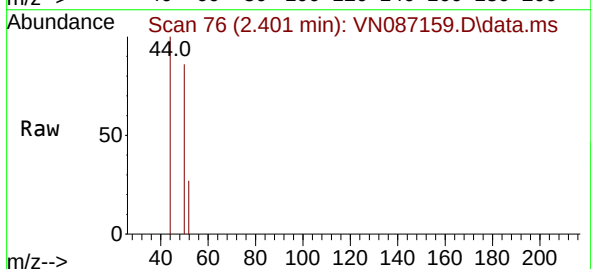
Instrument :
MSVOA_N
ClientSampleId :
OBSI

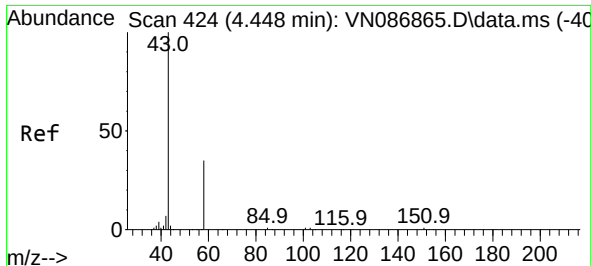
Tgt Ion:168 Resp: 181938
Ion Ratio Lower Upper
168 100
99 61.7 49.1 73.7



#3
Chloromethane
Concen: 0.789 ug/l
RT: 2.401 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 50 Resp: 1849
Ion Ratio Lower Upper
50 100
52 31.7 25.7 38.5

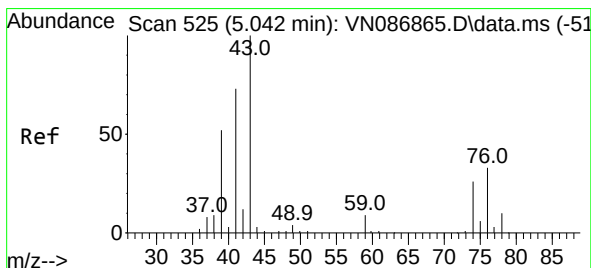
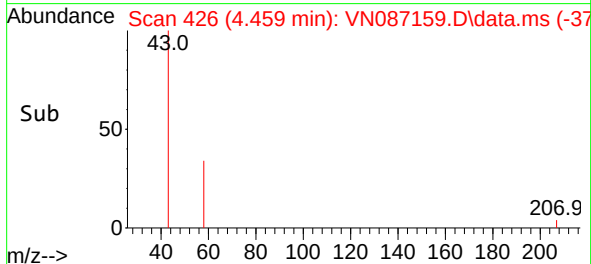
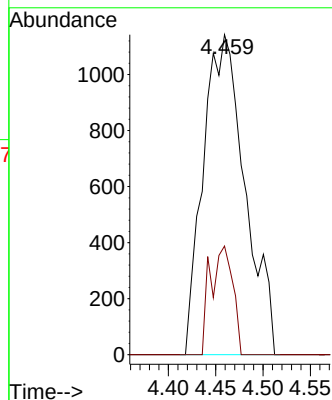
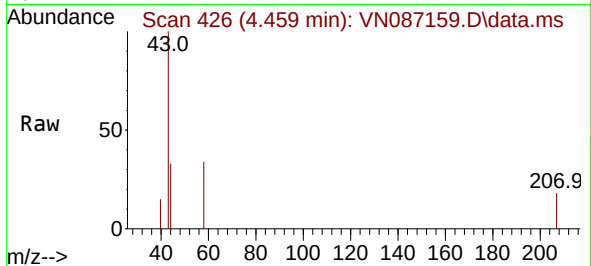




#16
Acetone
Concen: 2.710 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

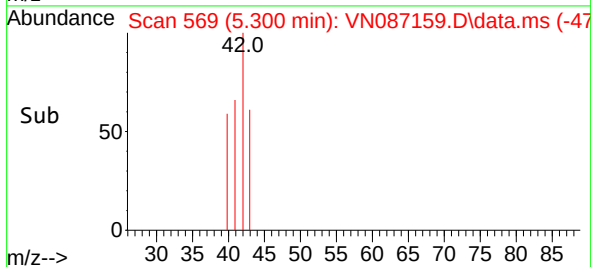
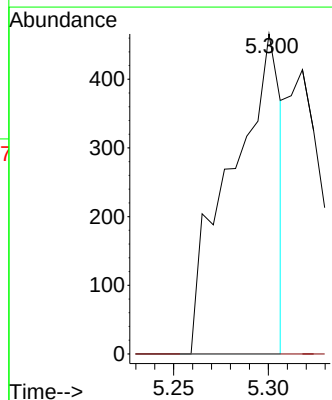
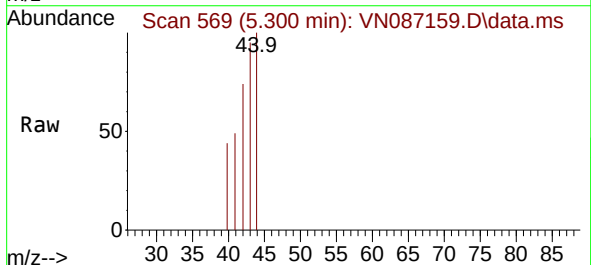
Instrument :
MSVOA_N
ClientSampleId :
OBSI

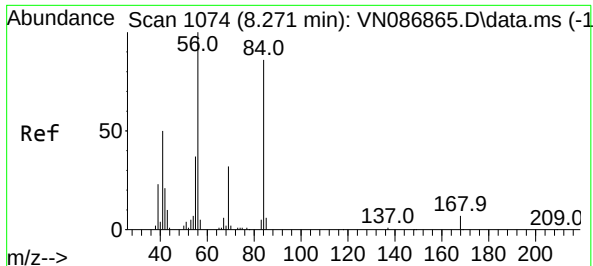
Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.259 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
74 0.0 20.7 31.1#

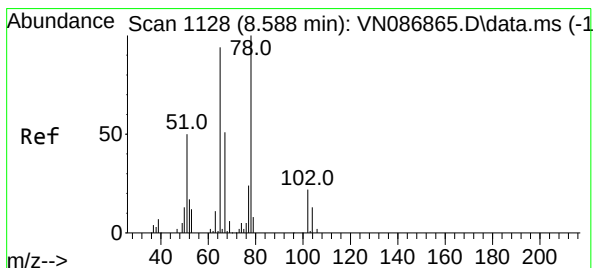
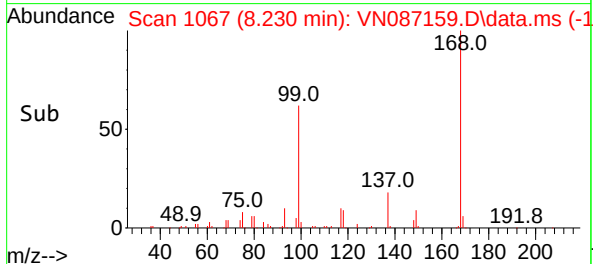
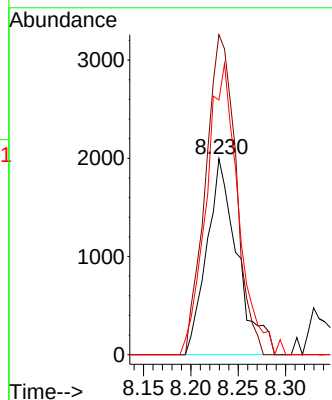
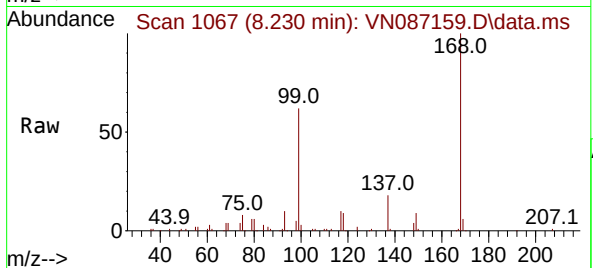




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

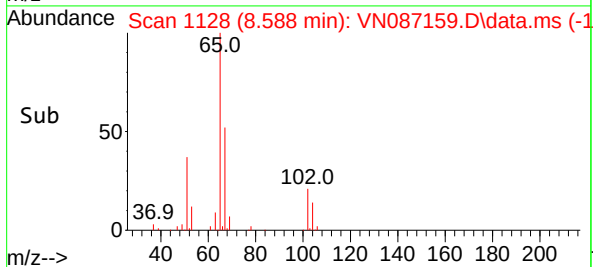
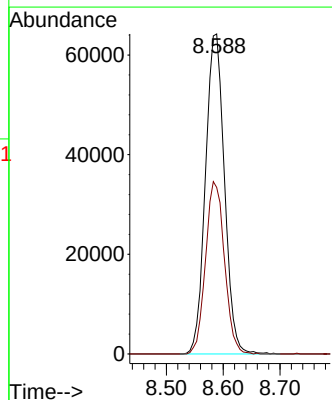
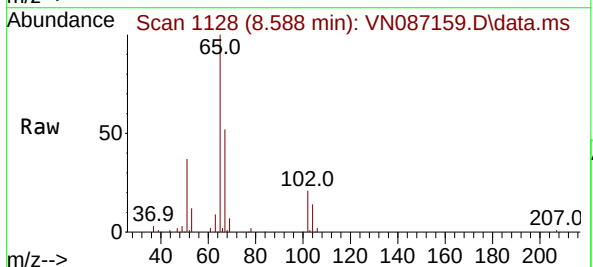
Instrument :
MSVOA_N
ClientSampleId :
OBSI

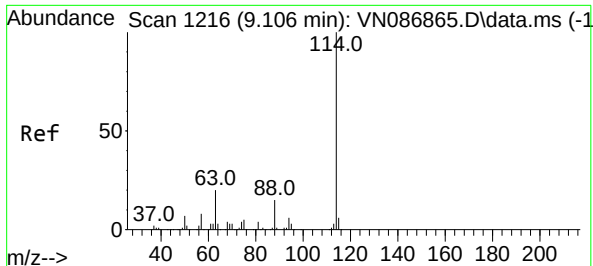
Tgt Ion: 56 Resp: 4474
Ion Ratio Lower Upper
56 100
69 163.3 25.4 38.0#
84 130.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 61.120 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 65 Resp: 148885
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.6

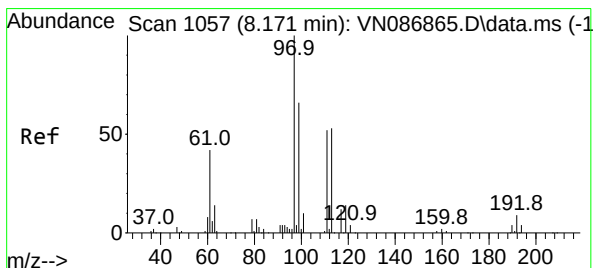
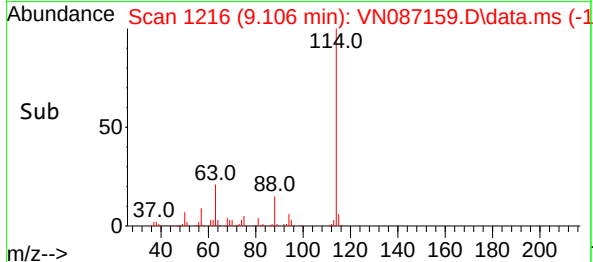
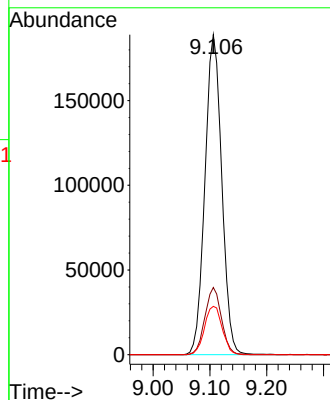
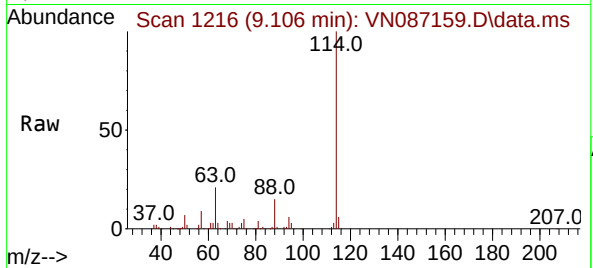




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

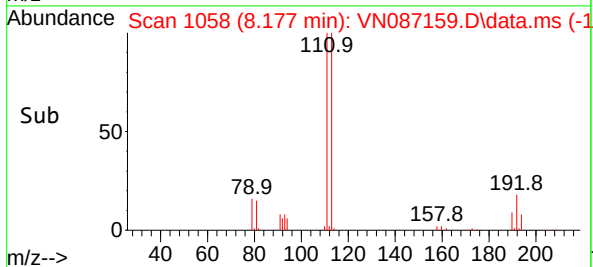
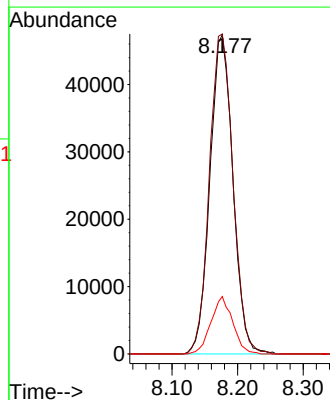
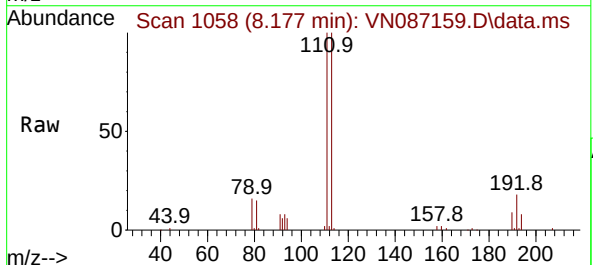
Instrument :
MSVOA_N
ClientSampleId :
OBSI

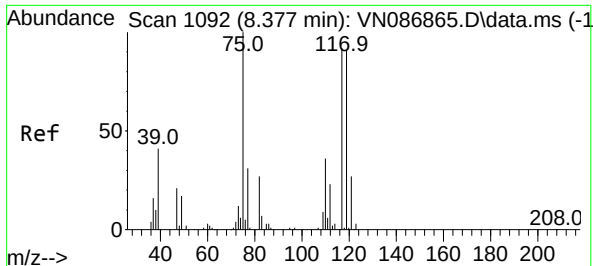
Tgt Ion:114 Resp: 387109
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.6
88 15.1 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.194 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:113 Resp: 115149
Ion Ratio Lower Upper
113 100
111 102.8 84.2 126.2
192 17.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.478 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087159.D

Acq: 24 Jun 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

OBSI

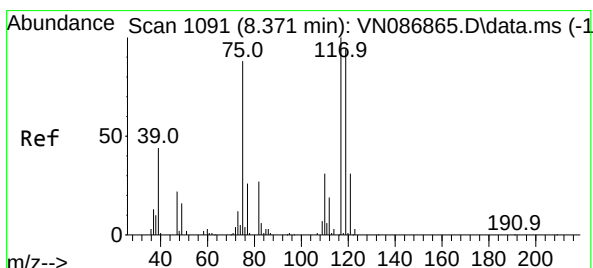
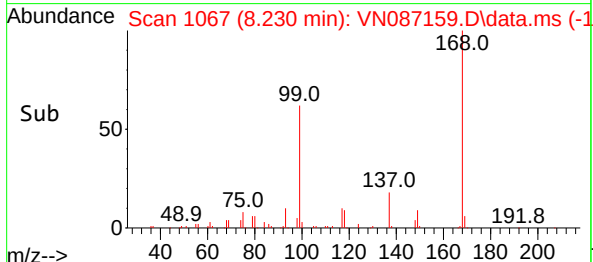
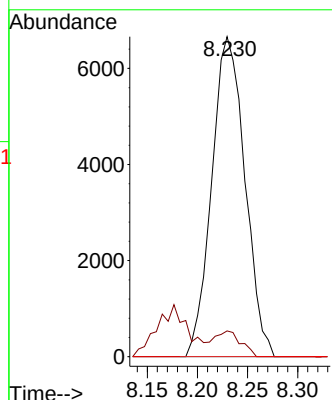
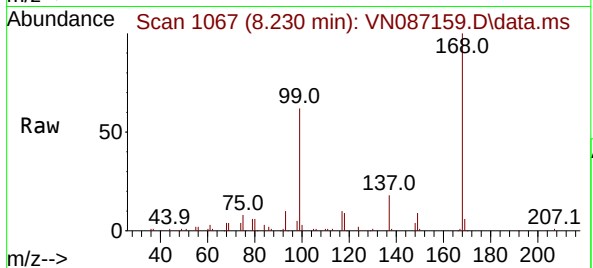
Tgt Ion: 75 Resp: 15307

Ion Ratio Lower Upper

75 100

110 6.0 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.382 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087159.D

Acq: 24 Jun 2025 16:11

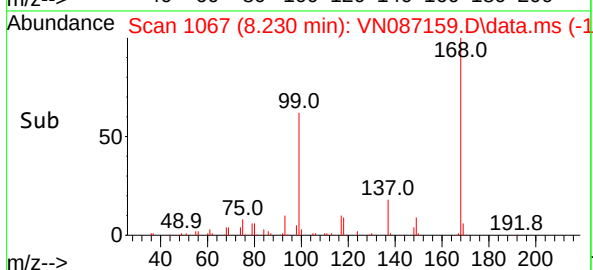
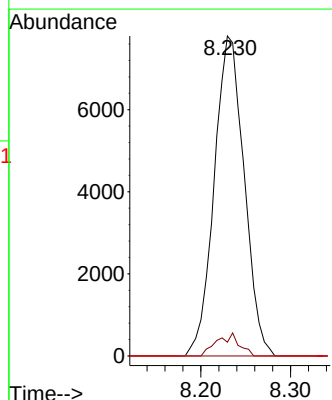
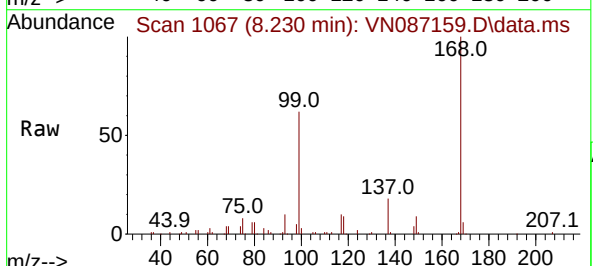
Tgt Ion: 117 Resp: 18061

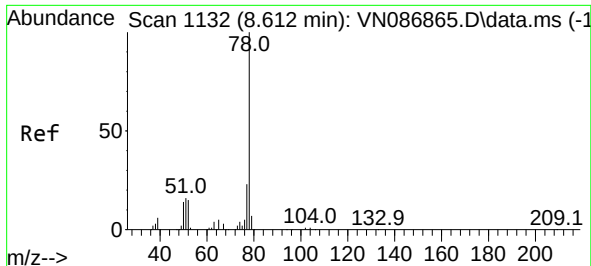
Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 24.9 37.3#

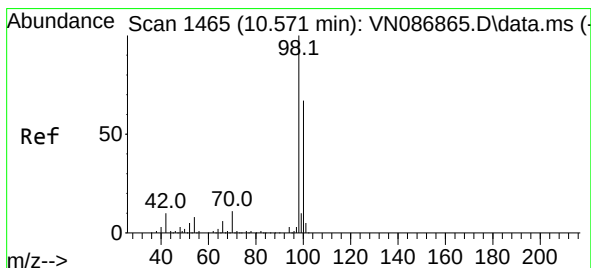
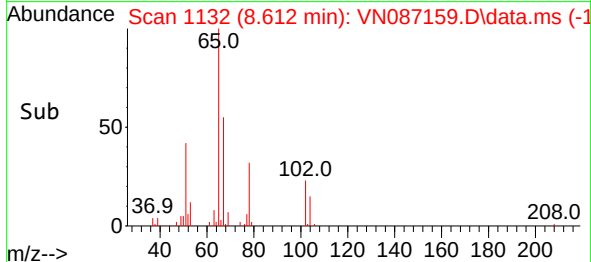
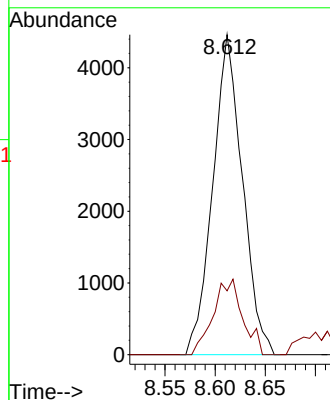
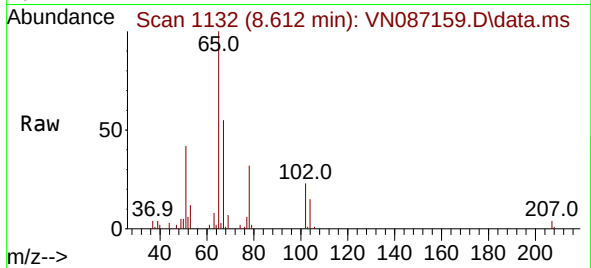




#40
Benzene
Concen: 0.819 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

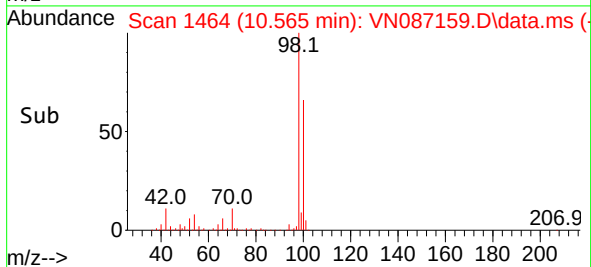
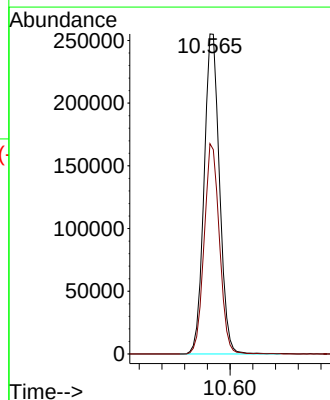
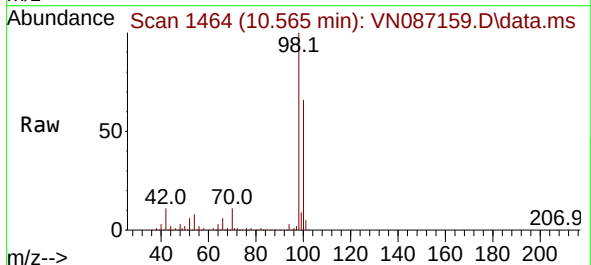
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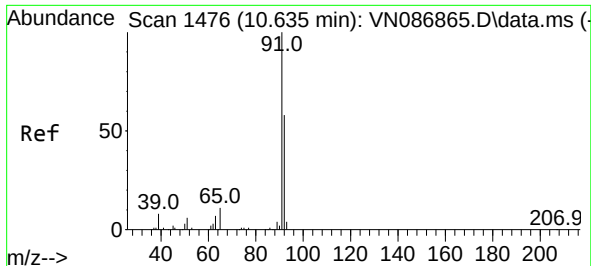
Tgt Ion: 78 Resp: 9158
Ion Ratio Lower Upper
78 100
77 20.0 18.7 28.1



#50
Toluene-d8
Concen: 52.842 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 98 Resp: 479901
Ion Ratio Lower Upper
98 100
100 64.8 53.4 80.0

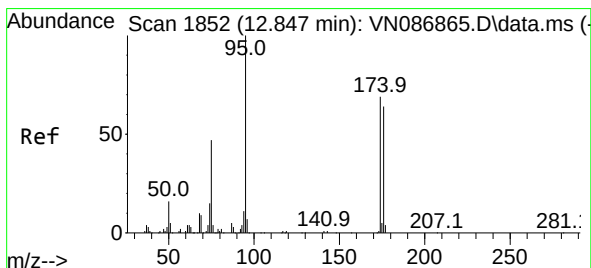
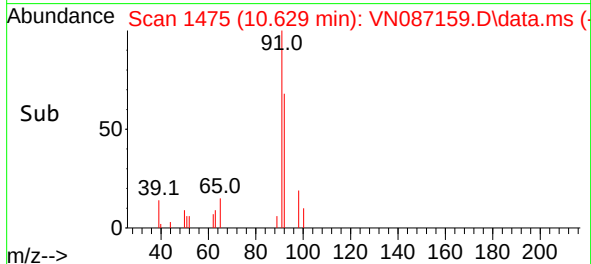
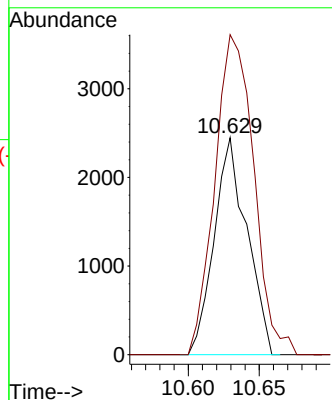
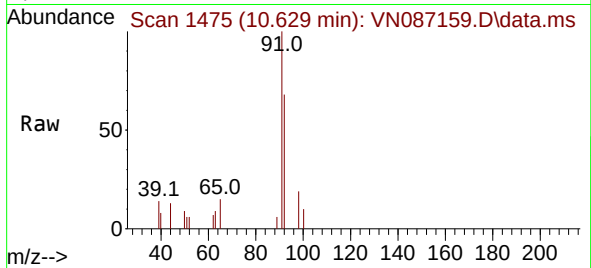




#52
Toluene
Concen: 0.574 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

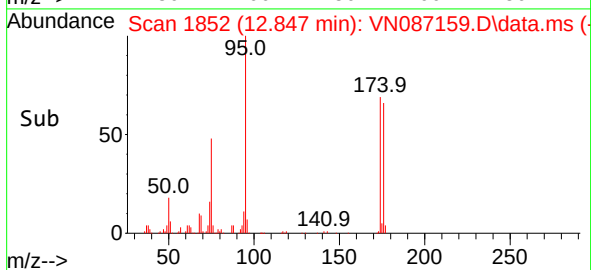
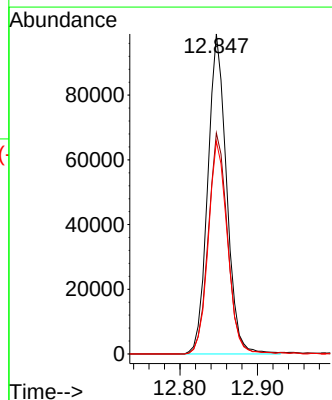
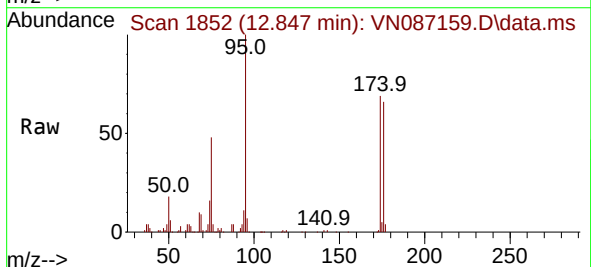
Instrument :
MSVOA_N
ClientSampleId :
OBSI

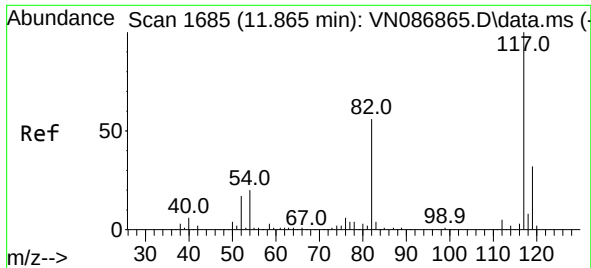
Tgt Ion: 92 Resp: 3923
Ion Ratio Lower Upper
92 100
91 175.9 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 49.425 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 95 Resp: 166768
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 67.5 0.0 132.6

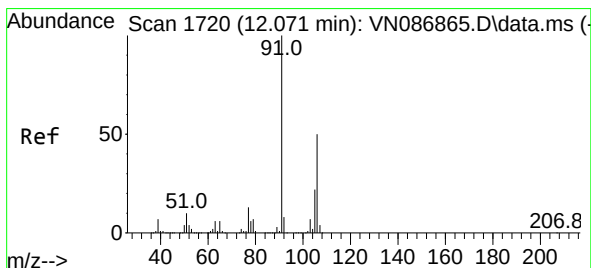
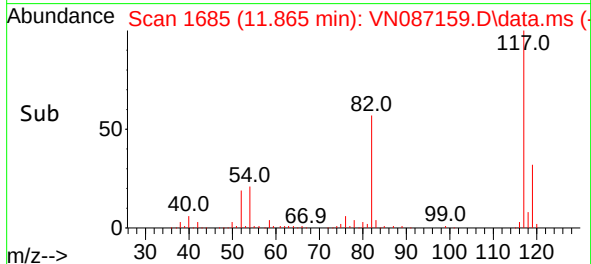
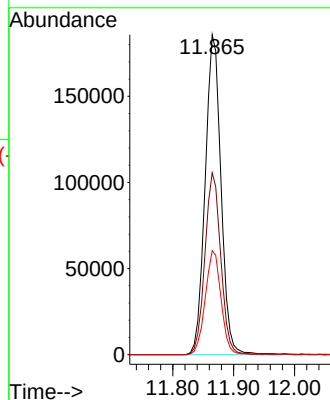
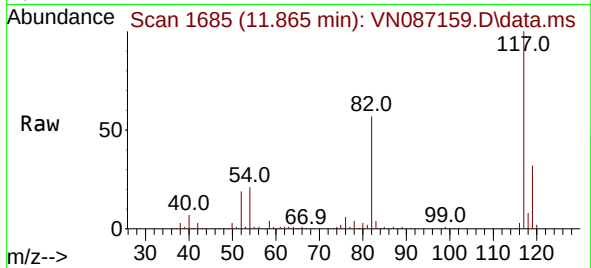




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

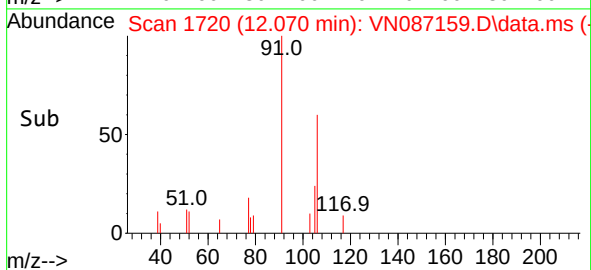
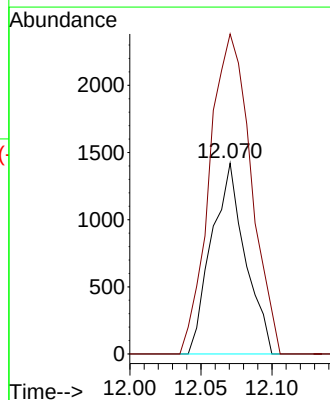
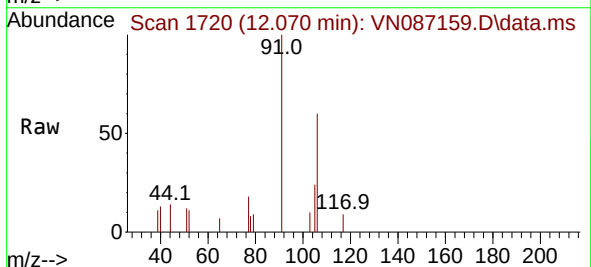
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MSVOA_N
ClientSampleId :
OBSI

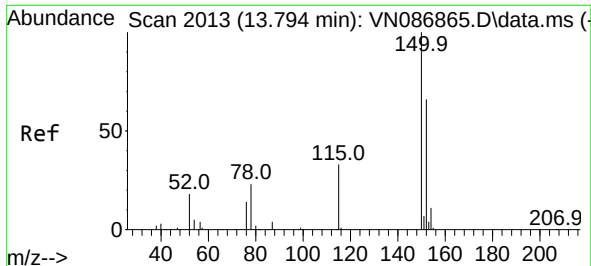
Tgt Ion:117 Resp: 336293
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 0.478 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:106 Resp: 2339
Ion Ratio Lower Upper
106 100
91 206.9 159.4 239.0

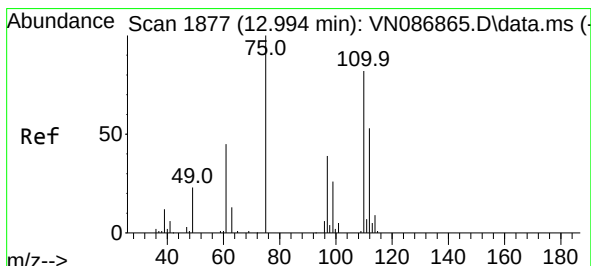
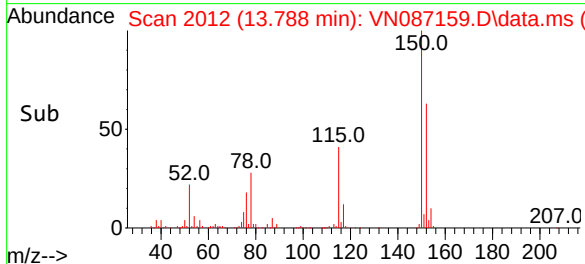
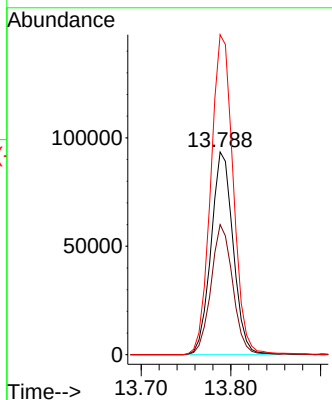
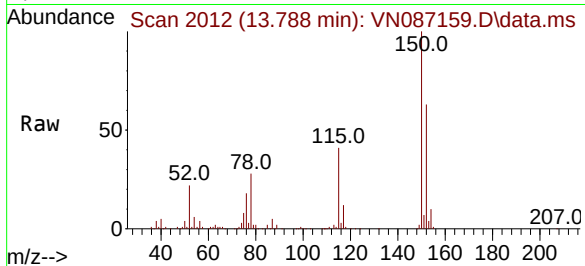




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN087159.D
 Acq: 24 Jun 2025 16:11

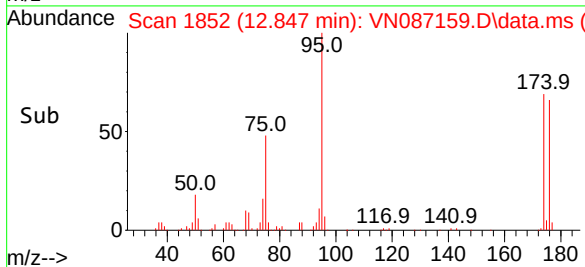
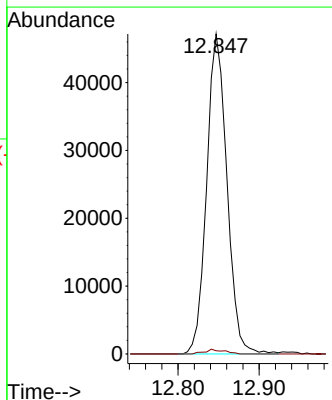
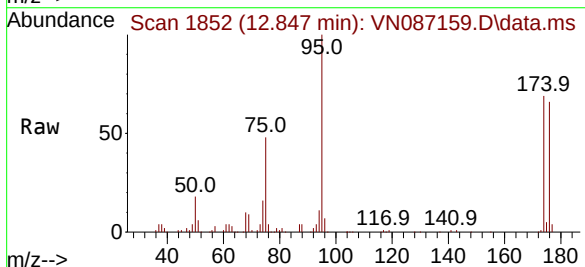
Instrument :
 MSVOA_N
 ClientSampleId :
 OBSI

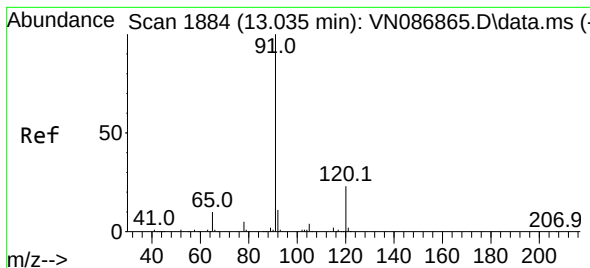
Tgt Ion:152 Resp: 160118
 Ion Ratio Lower Upper
 152 100
 115 63.4 30.1 90.5
 150 160.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.499 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087159.D
 Acq: 24 Jun 2025 16:11

Tgt Ion: 75 Resp: 81826
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#

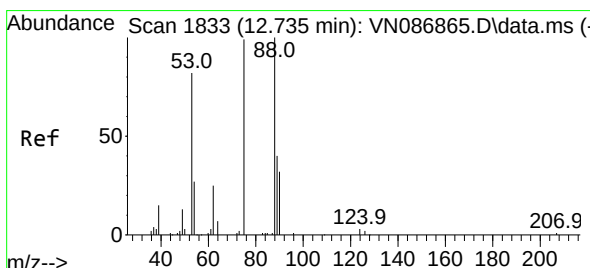
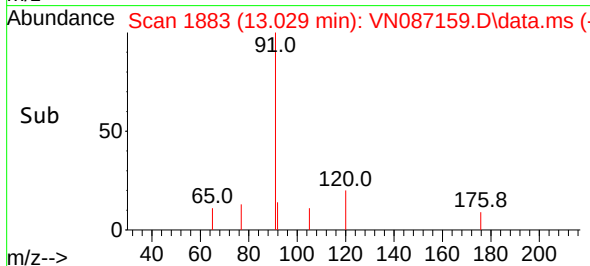
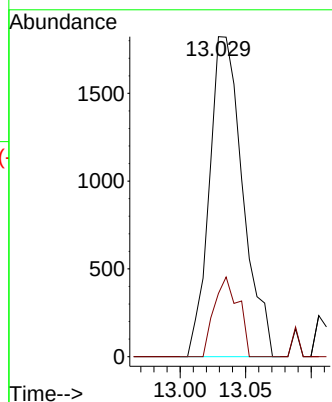
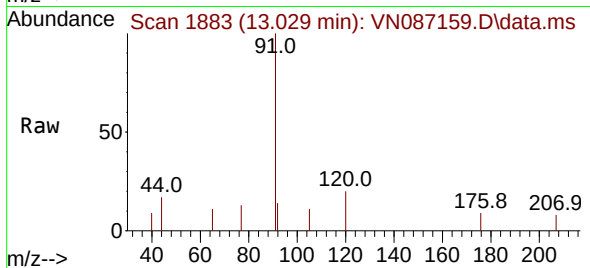




#78
n-propylbenzene
Concen: 0.228 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

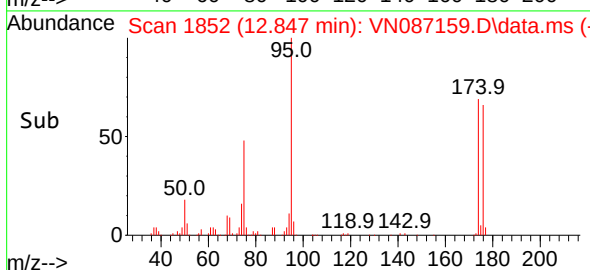
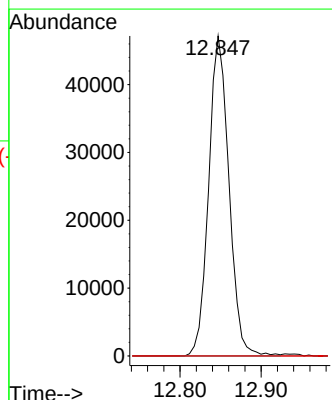
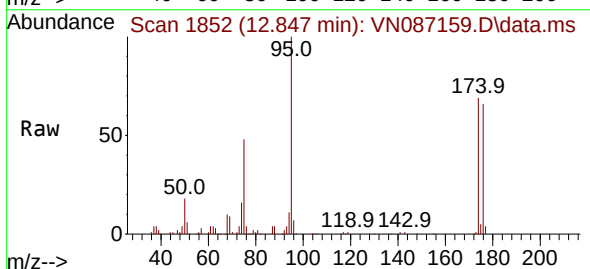
Instrument :
MSVOA_N
ClientSampleId :
OBSI

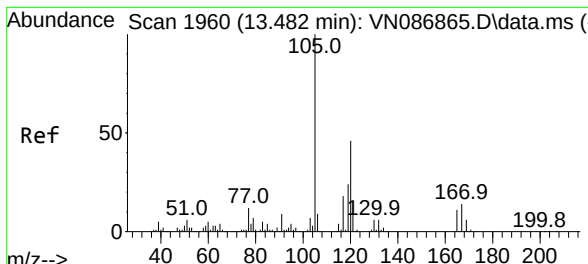
Tgt Ion: 91 Resp: 3238
Ion Ratio Lower Upper
91 100
120 18.0 11.4 34.2



#81
trans-1,4-Dichloro-2-butene
Concen: 49.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 75 Resp: 81826
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.410 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN087159.D
 Acq: 24 Jun 2025 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 OBSI

Tgt Ion:105 Resp: 3960
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.2 69.6

