

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087110.D
 Acq On : 19 Jun 2025 14:42
 Operator : JC\MD
 Sample : Q2333-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

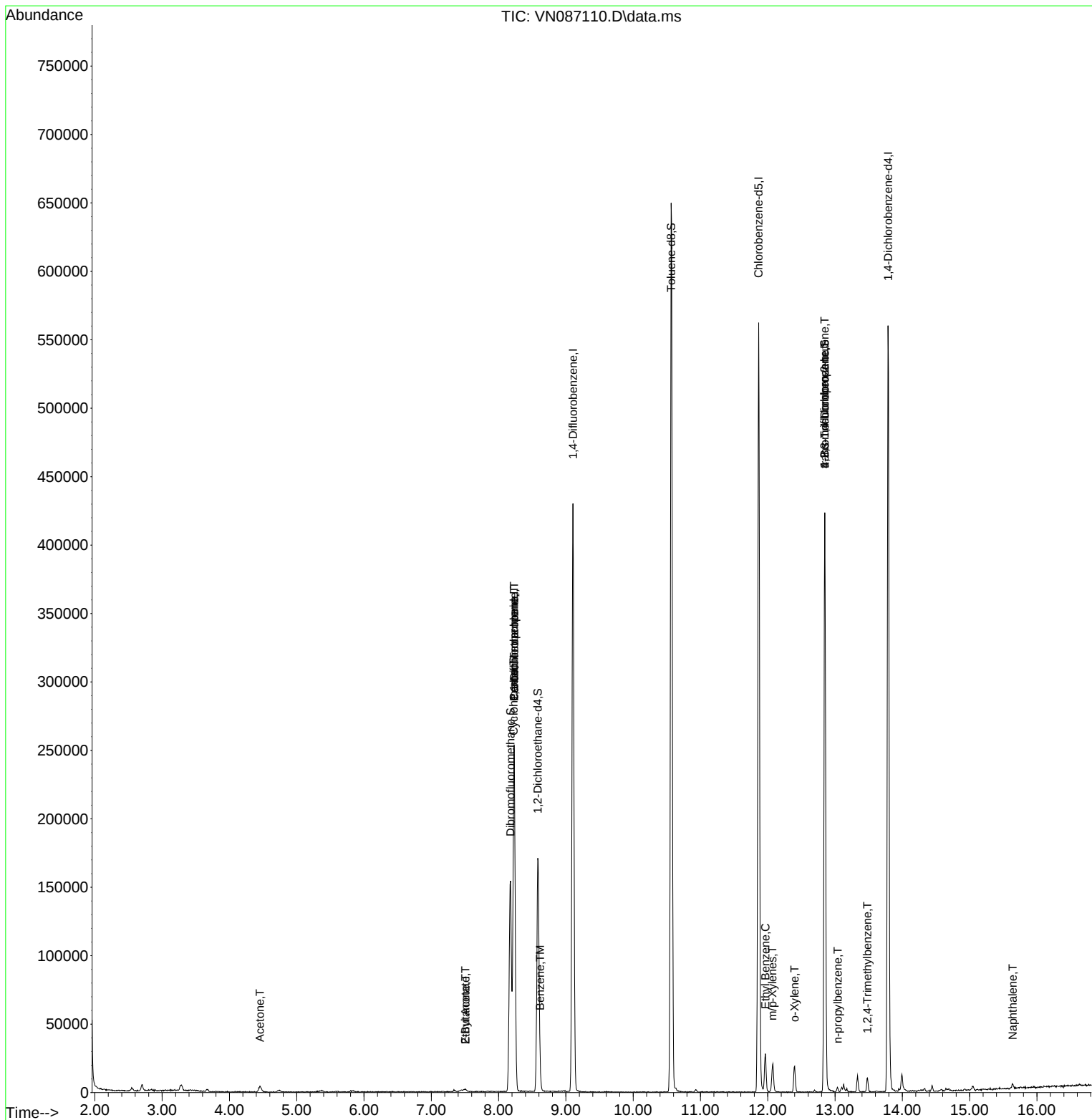
Quant Time: Jun 20 01:25:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

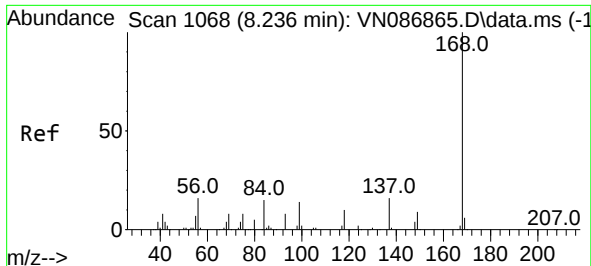
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	200534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	398084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136952	51.008	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.020%	
35) Dibromofluoromethane	8.177	113	121246	51.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.780%	
50) Toluene-d8	10.565	98	483778	51.801	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	12.847	95	171089	49.308	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.620%	
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	8627	6.059	ug/l #	81
25) 2-Butanone	7.506	43	3544	1.531	ug/l #	84
31) Cyclohexane	8.224	56	3726	0.856	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14808	4.212	ug/l #	43
37) Ethyl Acetate	7.506	43	3544	0.792	ug/l #	66
38) Carbon Tetrachloride	8.230	117	19496	5.649	ug/l #	17
40) Benzene	8.618	78	9222	0.802	ug/l	97
67) Ethyl Benzene	11.965	91	22730	1.679	ug/l	97
68) m/p-Xylenes	12.071	106	7635	1.473	ug/l	97
69) o-Xylene	12.400	106	6022	1.213	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	77978	19.377	ug/l #	1
78) n-propylbenzene	13.041	91	3006	0.201	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.847	75	77978	44.604	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	7202	0.705	ug/l	96
95) Naphthalene	15.641	128	4261	0.335	ug/l #	82

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

Quant Time: Jun 20 01:25:41 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

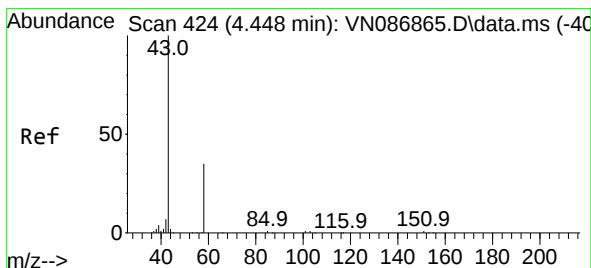
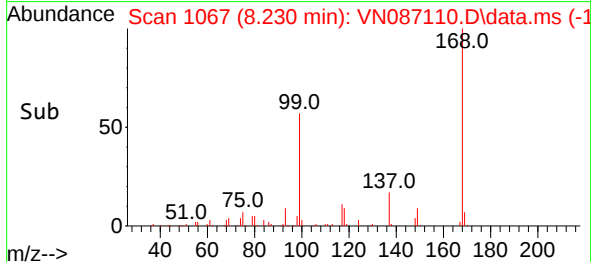
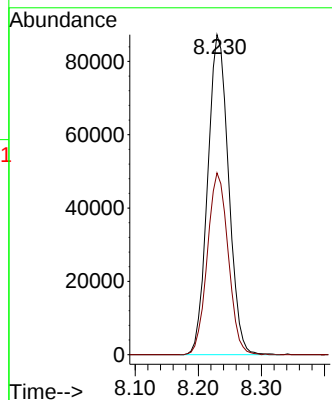
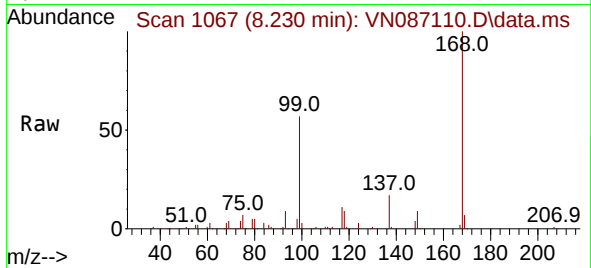




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

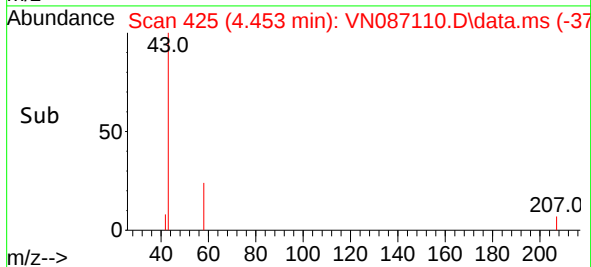
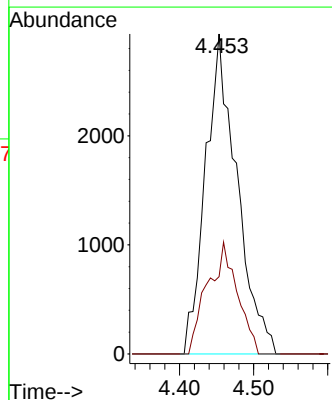
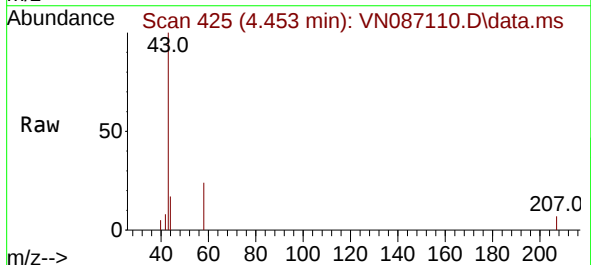
Instrument :
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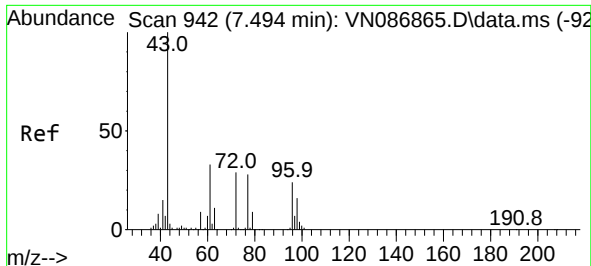
Tgt Ion:168 Resp: 200534
Ion Ratio Lower Upper
168 100
99 56.8 49.1 73.7



#16
Acetone
Concen: 6.059 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 43 Resp: 8627
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#

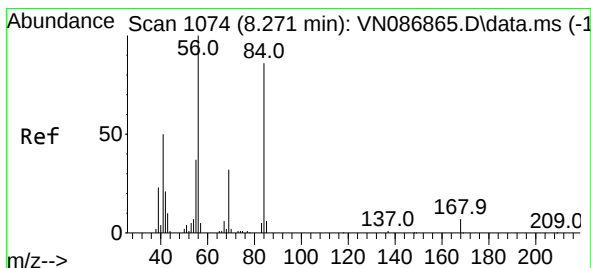
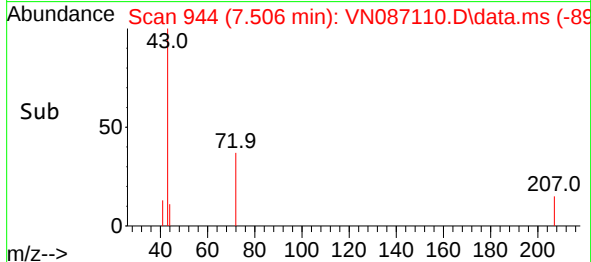
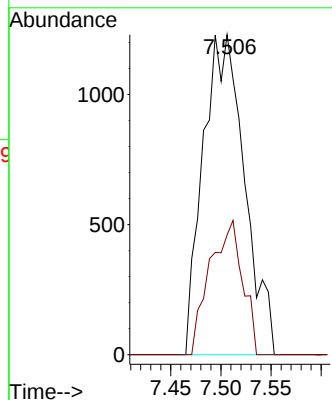
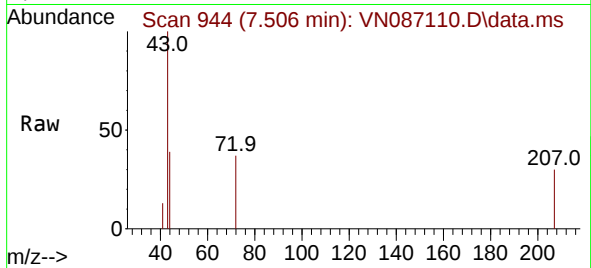




#25
2-Butanone
Concen: 1.531 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

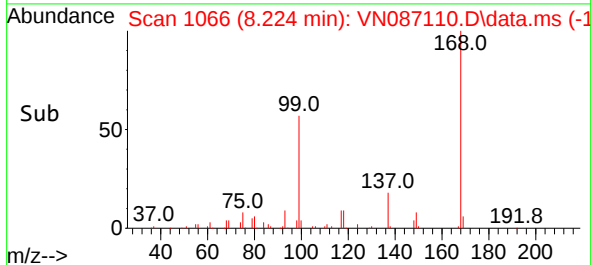
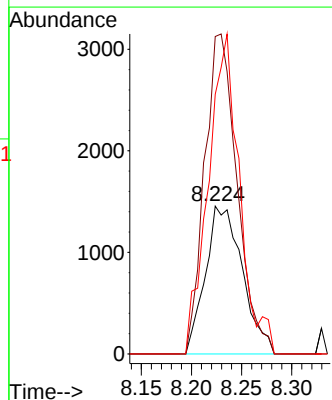
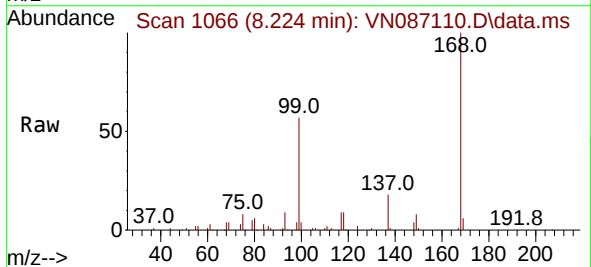
Instrument :
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ClientSampleId :
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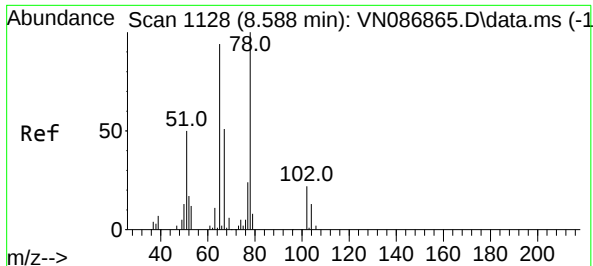
Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
72 37.4 23.0 34.6#



#31
Cyclohexane
Concen: 0.856 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.047 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 56 Resp: 3726
Ion Ratio Lower Upper
56 100
69 214.7 25.4 38.0#
84 175.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.008 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

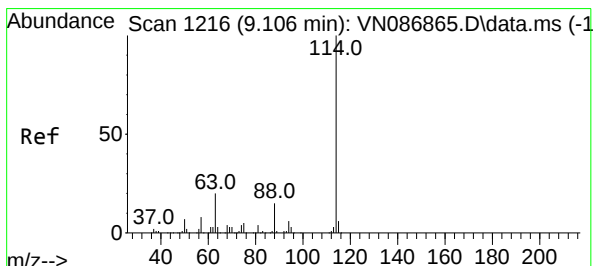
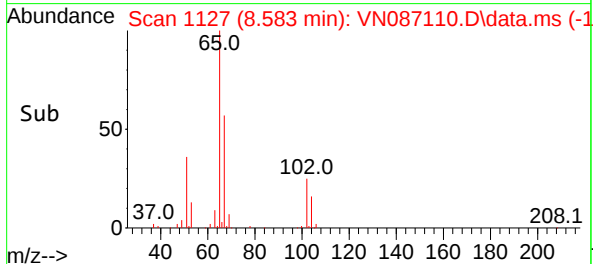
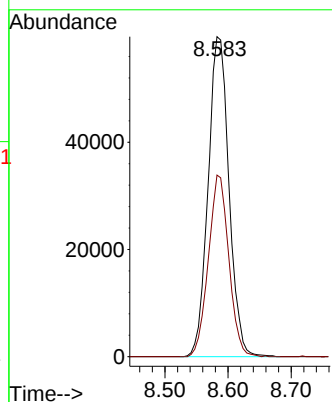
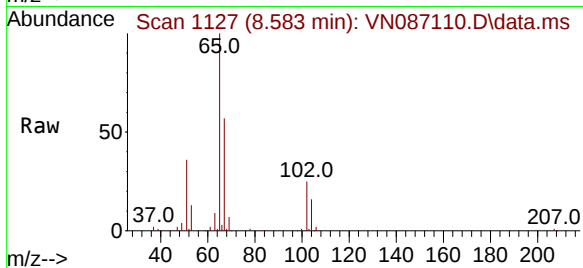
MW-13

Tgt Ion: 65 Resp: 136952

Ion Ratio Lower Upper

65 100

67 55.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

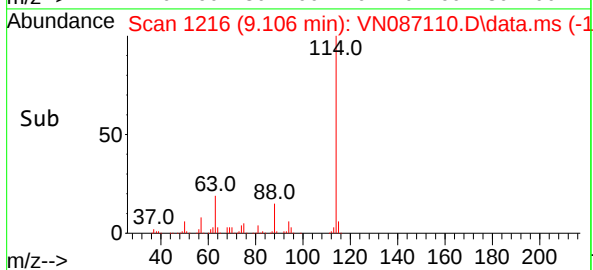
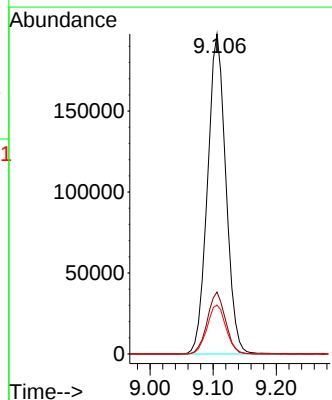
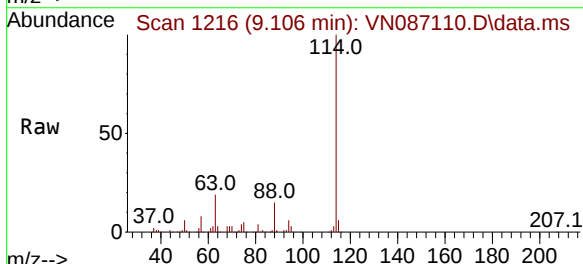
Tgt Ion: 114 Resp: 398084

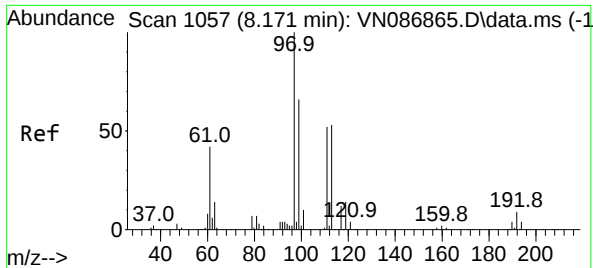
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.3 0.0 30.2

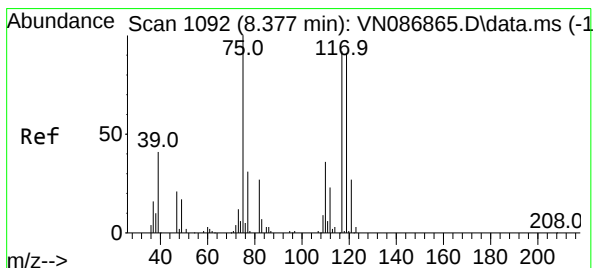
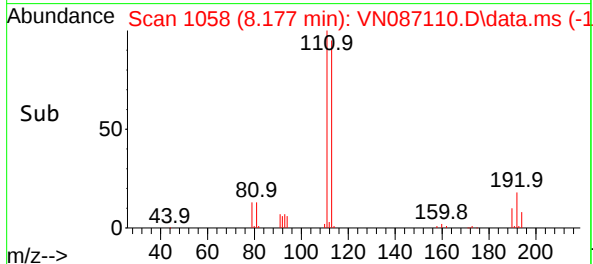
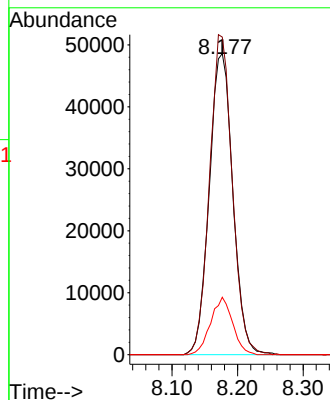
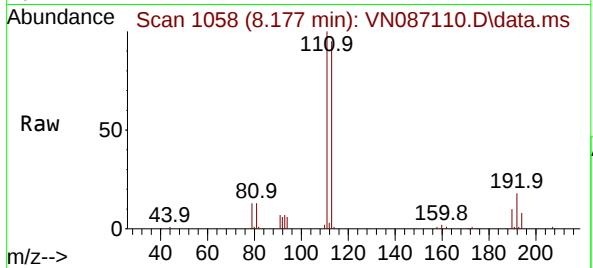




#35
Dibromofluoromethane
Concen: 51.394 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

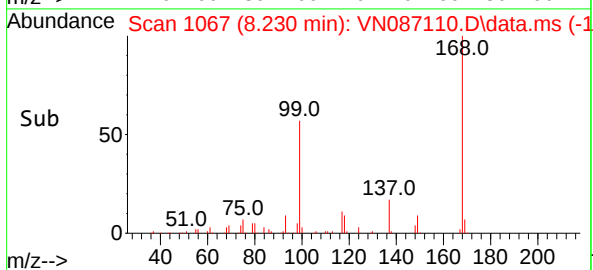
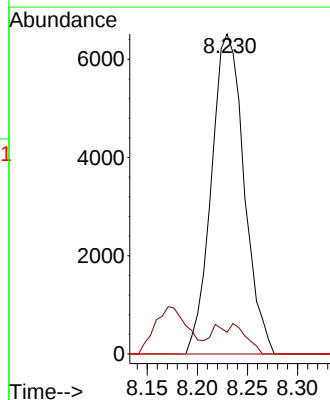
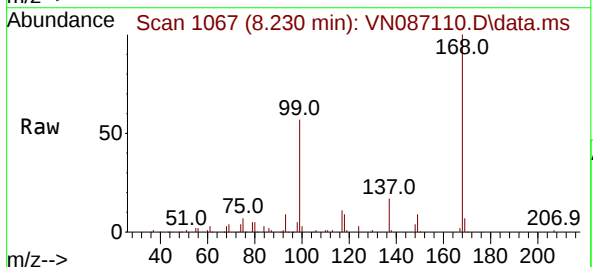
Instrument :
MSVOA_N
ClientSampleId :
MW-13

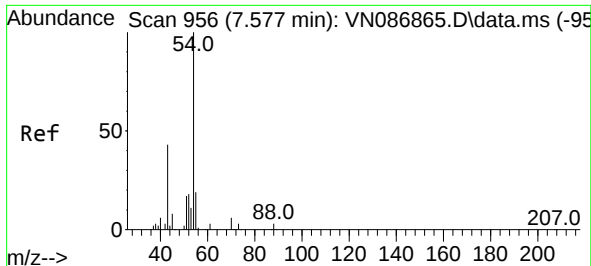
Tgt Ion:113 Resp: 121246
Ion Ratio Lower Upper
113 100
111 102.5 84.2 126.2
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.212 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 75 Resp: 14808
Ion Ratio Lower Upper
75 100
110 1.9 17.6 52.9#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.792 ug/l

RT: 7.506 min Scan# 944

Delta R.T. -0.071 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

MW-13

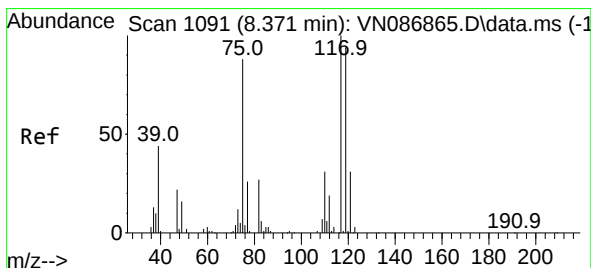
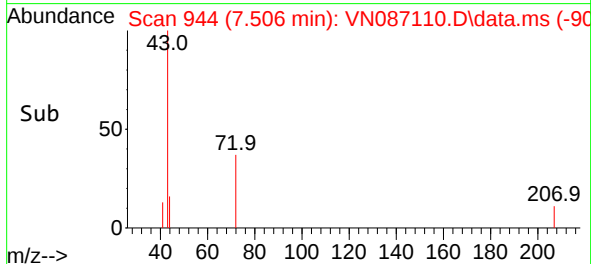
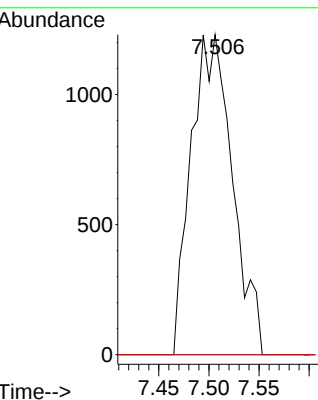
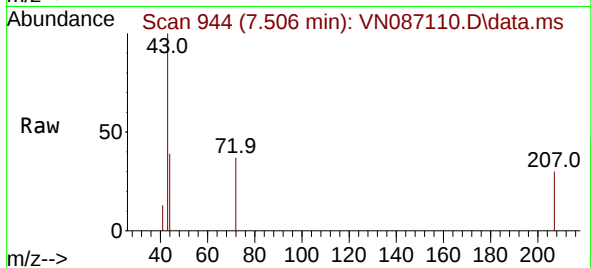
Tgt Ion: 43 Resp: 3544

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 5.649 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

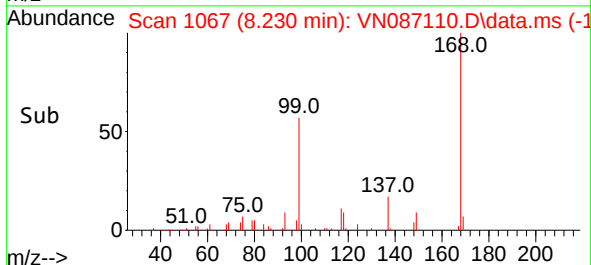
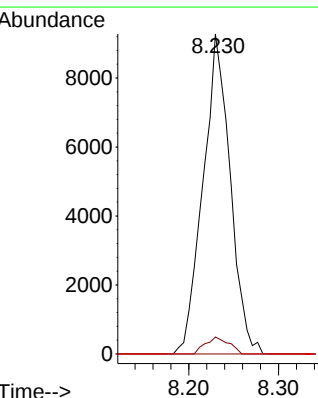
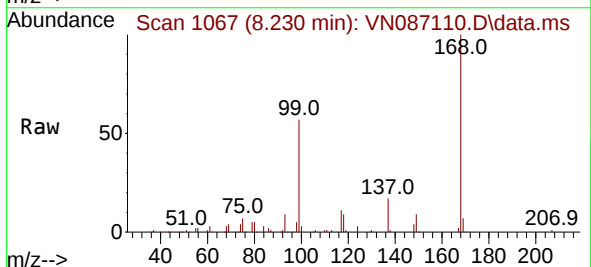
Tgt Ion: 117 Resp: 19496

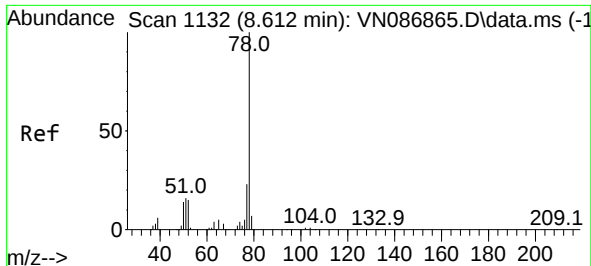
Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

121 0.0 24.9 37.3#





#40

Benzene

Concen: 0.802 ug/l

RT: 8.618 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN087110.D

Acq: 19 Jun 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

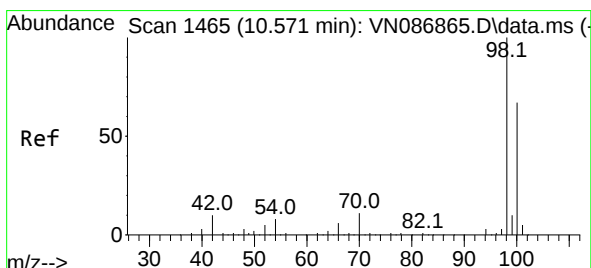
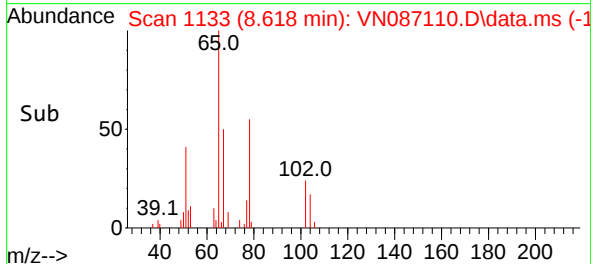
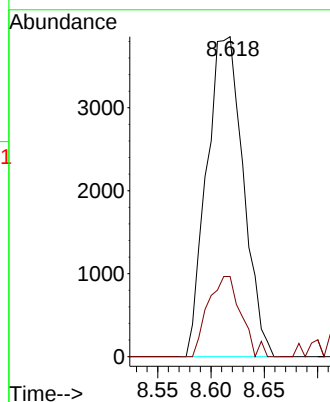
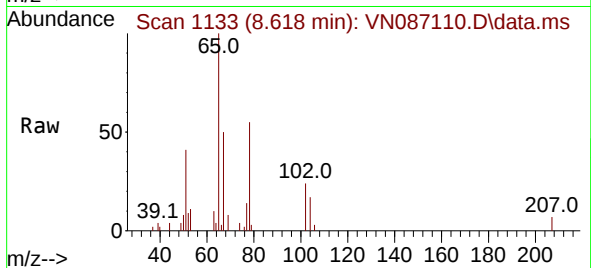
MW-13

Tgt Ion: 78 Resp: 9222

Ion Ratio Lower Upper

78 100

77 25.0 18.7 28.1



#50

Toluene-d8

Concen: 51.801 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087110.D

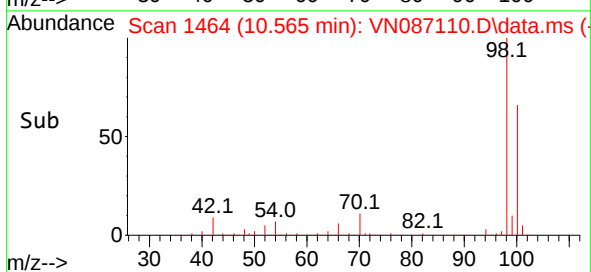
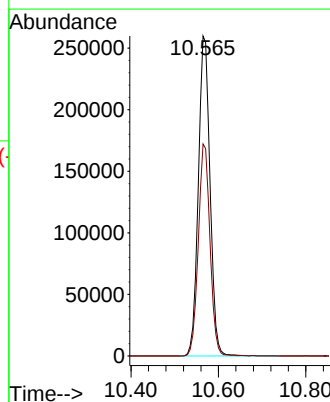
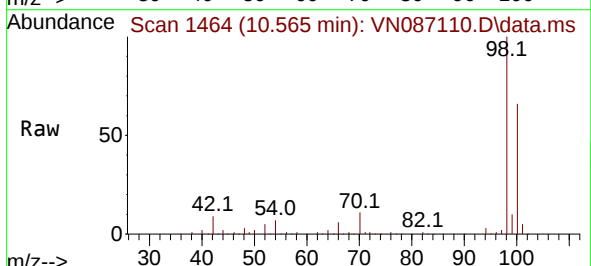
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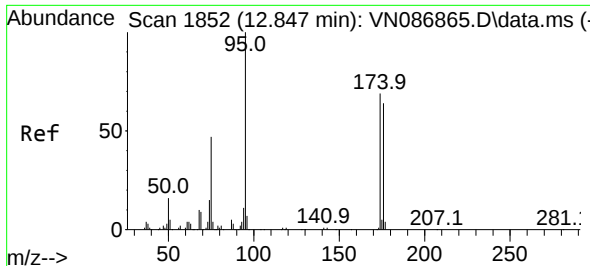
Tgt Ion: 98 Resp: 483778

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.0

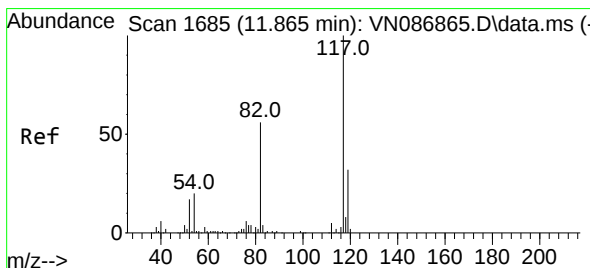
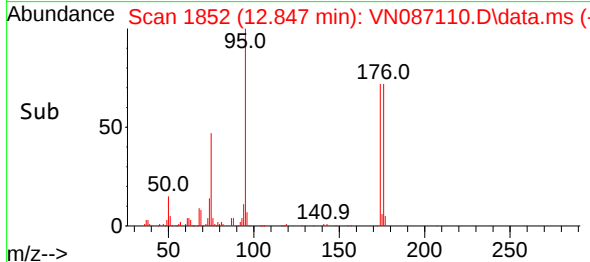
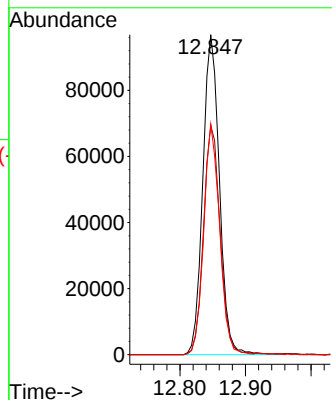
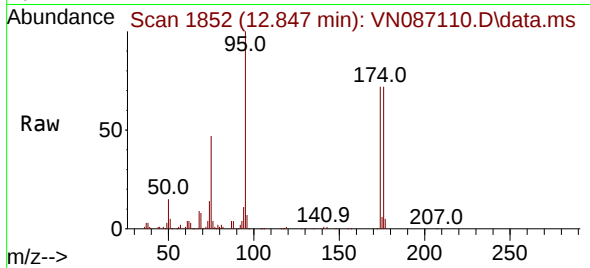




#62
4-Bromofluorobenzene
Concen: 49.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

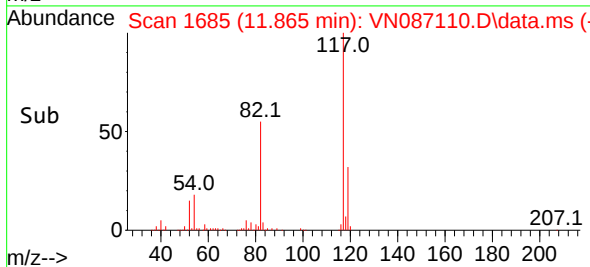
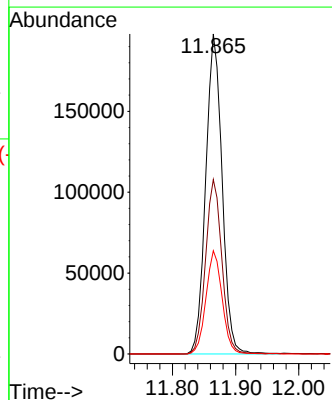
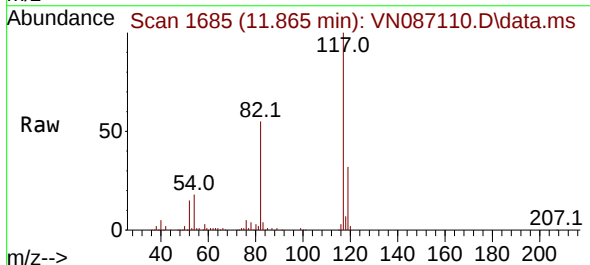
Instrument :
MSVOA_N
ClientSampleId :
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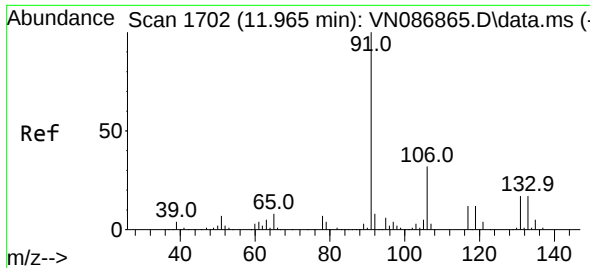
Tgt Ion: 95 Resp: 171089
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 68.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 117 Resp: 356355
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.2 25.5 38.3

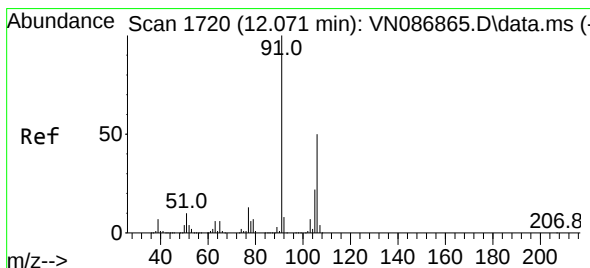
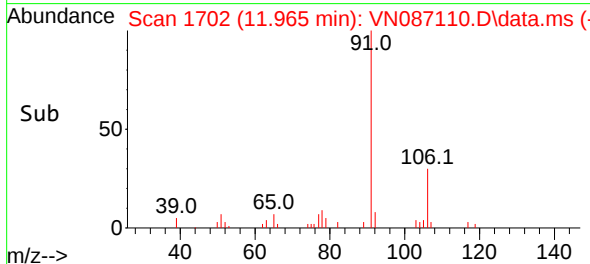
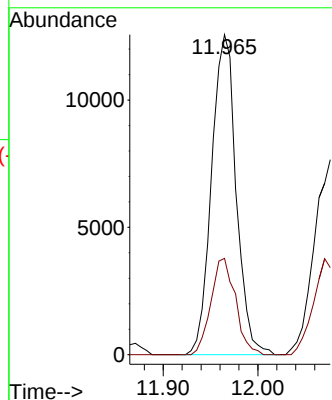
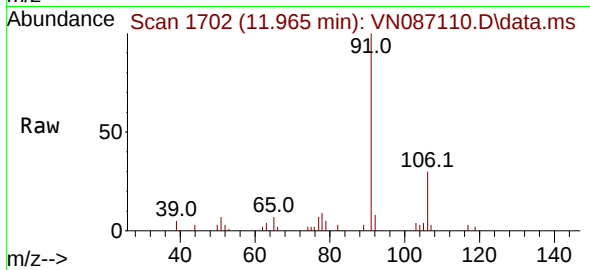




#67
Ethyl Benzene
Concen: 1.679 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

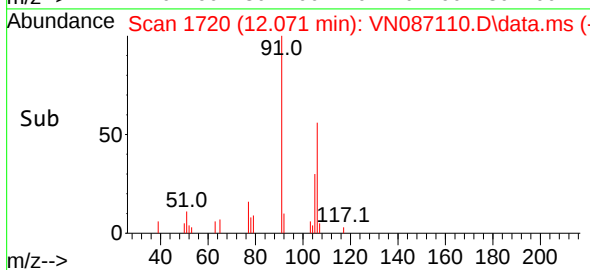
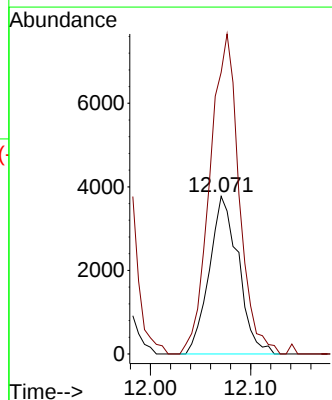
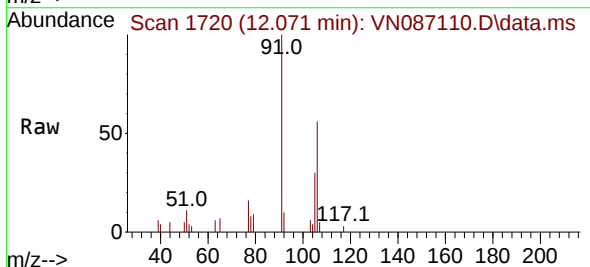
Instrument :
MSVOA_N
ClientSampleId :
MW-13

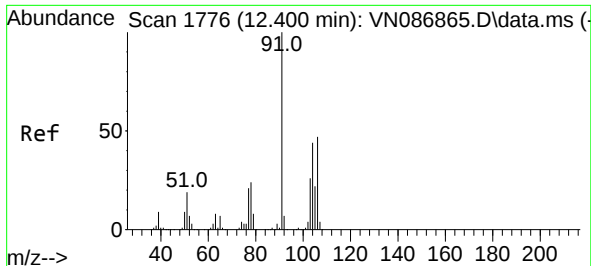
Tgt Ion: 91 Resp: 22730
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2



#68
m/p-Xylenes
Concen: 1.473 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 106 Resp: 7635
Ion Ratio Lower Upper
106 100
91 203.2 159.4 239.0

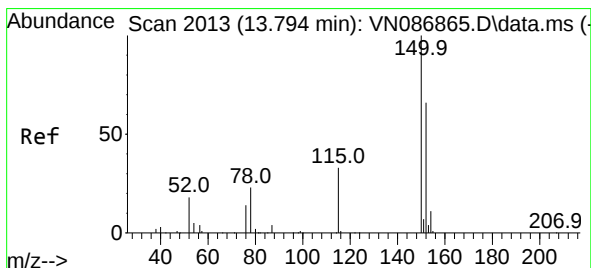
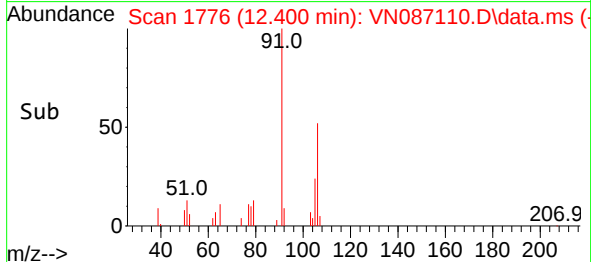
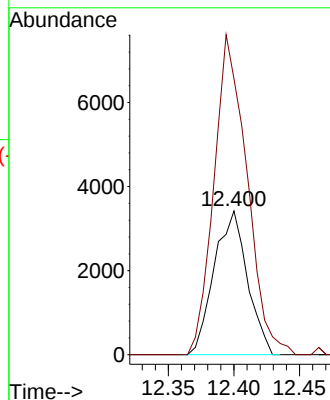
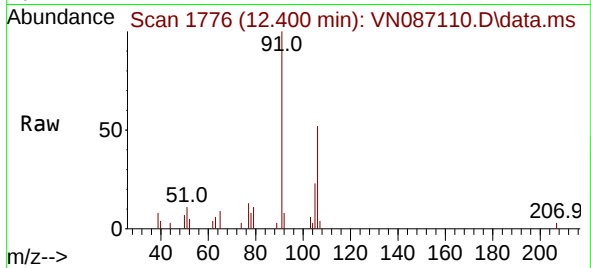




#69
o-Xylene
Concen: 1.213 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

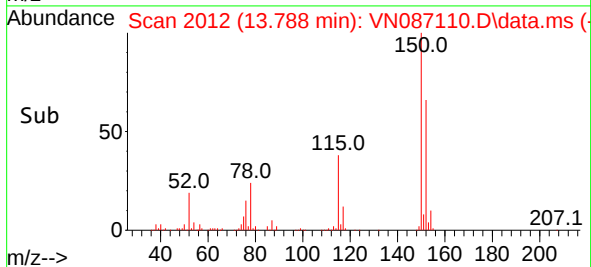
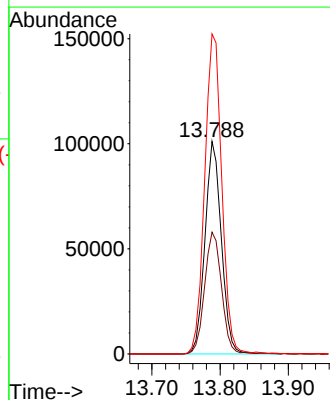
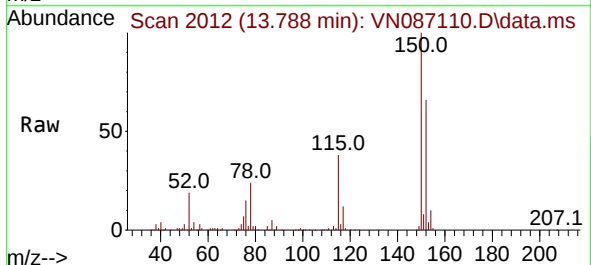
Instrument :
MSVOA_N
ClientSampleId :
MW-13

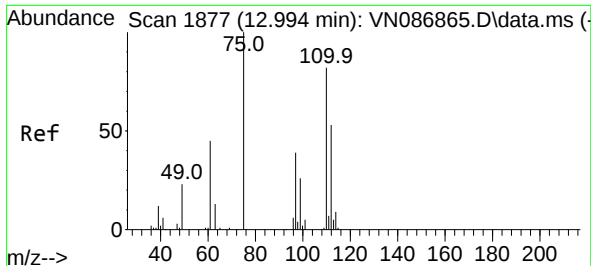
Tgt Ion:106 Resp: 6022
Ion Ratio Lower Upper
106 100
91 221.2 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion:152 Resp: 169301
Ion Ratio Lower Upper
152 100
115 59.1 30.1 90.5
150 156.6 0.0 345.0

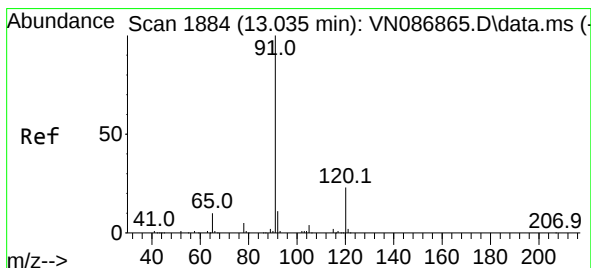
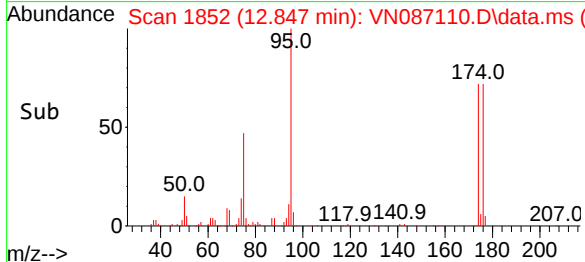
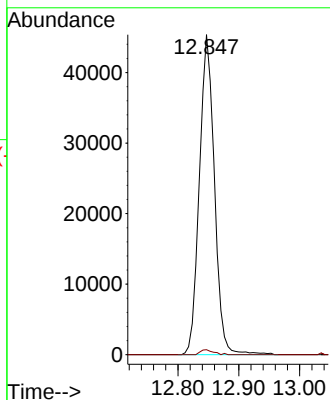
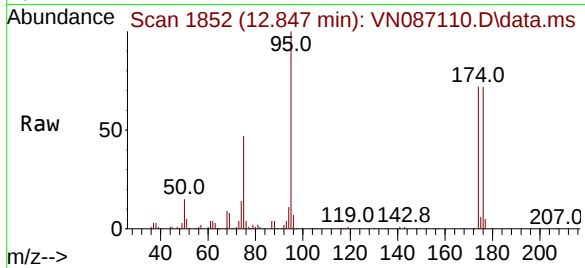




#76
1,2,3-Trichloropropane
Concen: 19.377 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

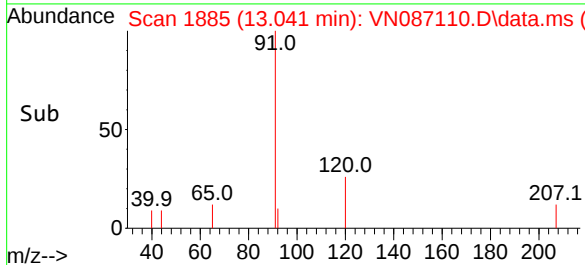
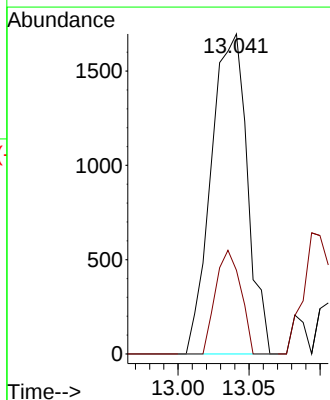
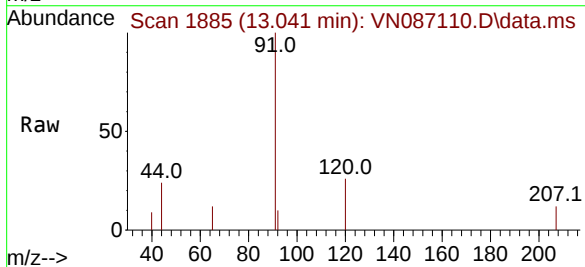
Instrument :
MSVOA_N
ClientSampleId :
MW-13

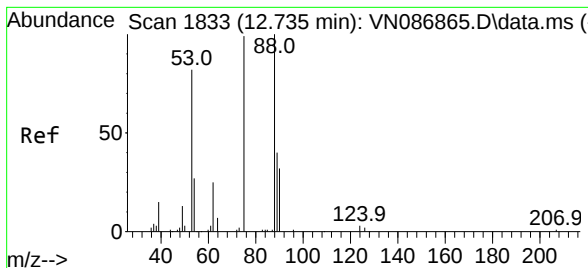
Tgt Ion: 75 Resp: 77978
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#78
n-propylbenzene
Concen: 0.201 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Tgt Ion: 91 Resp: 3006
Ion Ratio Lower Upper
91 100
120 22.6 11.4 34.2

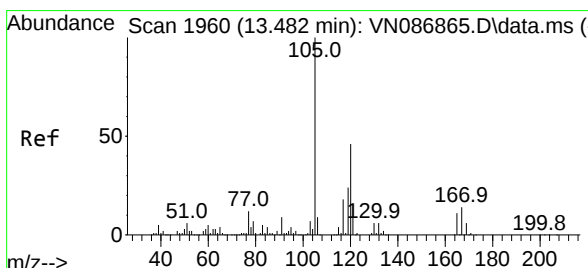
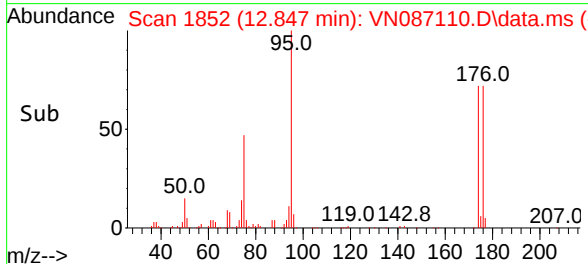
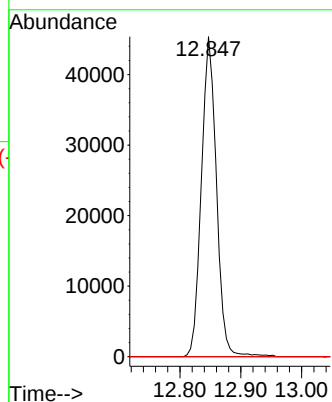
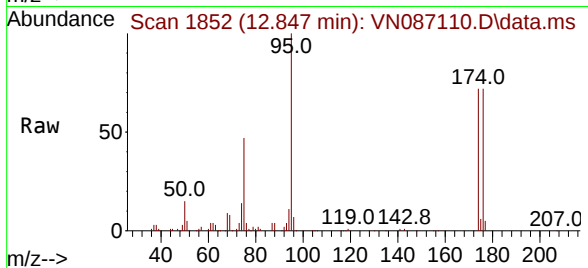




#81
trans-1,4-Dichloro-2-butene
Concen: 44.604 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

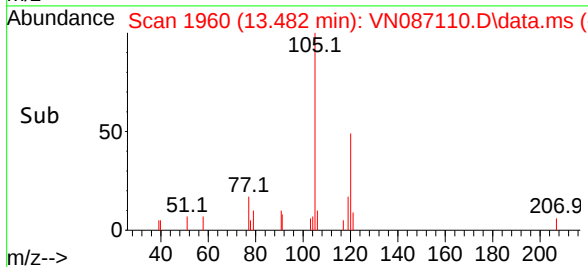
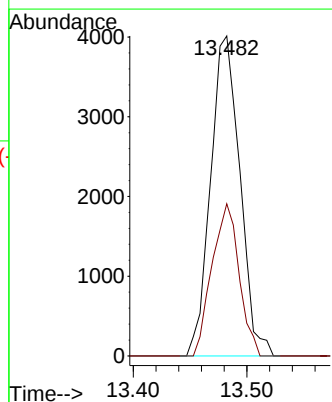
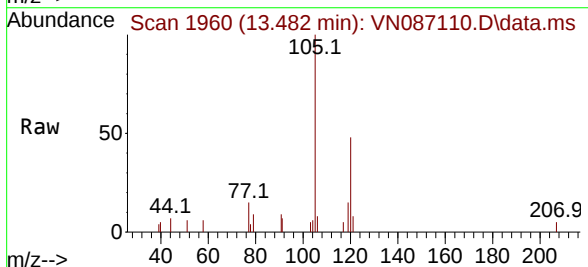
Instrument :
MSVOA_N
ClientSampleId :
MW-13

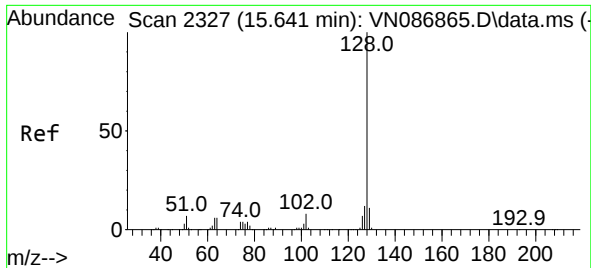
Tgt Ion: 75 Resp: 77978
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.705 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

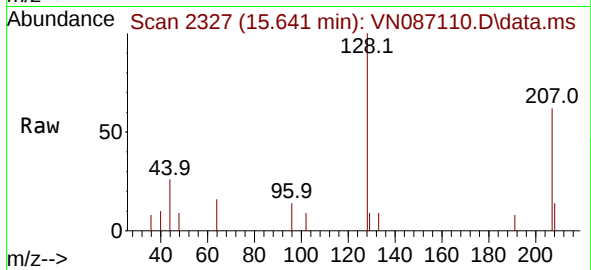
Tgt Ion: 105 Resp: 7202
Ion Ratio Lower Upper
105 100
120 44.0 23.2 69.6





#95
Naphthalene
Concen: 0.335 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087110.D
Acq: 19 Jun 2025 14:42

Instrument :
MSVOA_N
ClientSampleId :
MW-13



Tgt Ion:128 Resp: 4261
Ion Ratio Lower Upper
128 100
127 4.5 10.2 15.2#
129 5.1 8.8 13.2#

