

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087010.D
 Acq On : 13 Jun 2025 18:24
 Operator : JC\MD
 Sample : Q2268-03DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605DL

Quant Time: Jun 14 00:33:00 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)

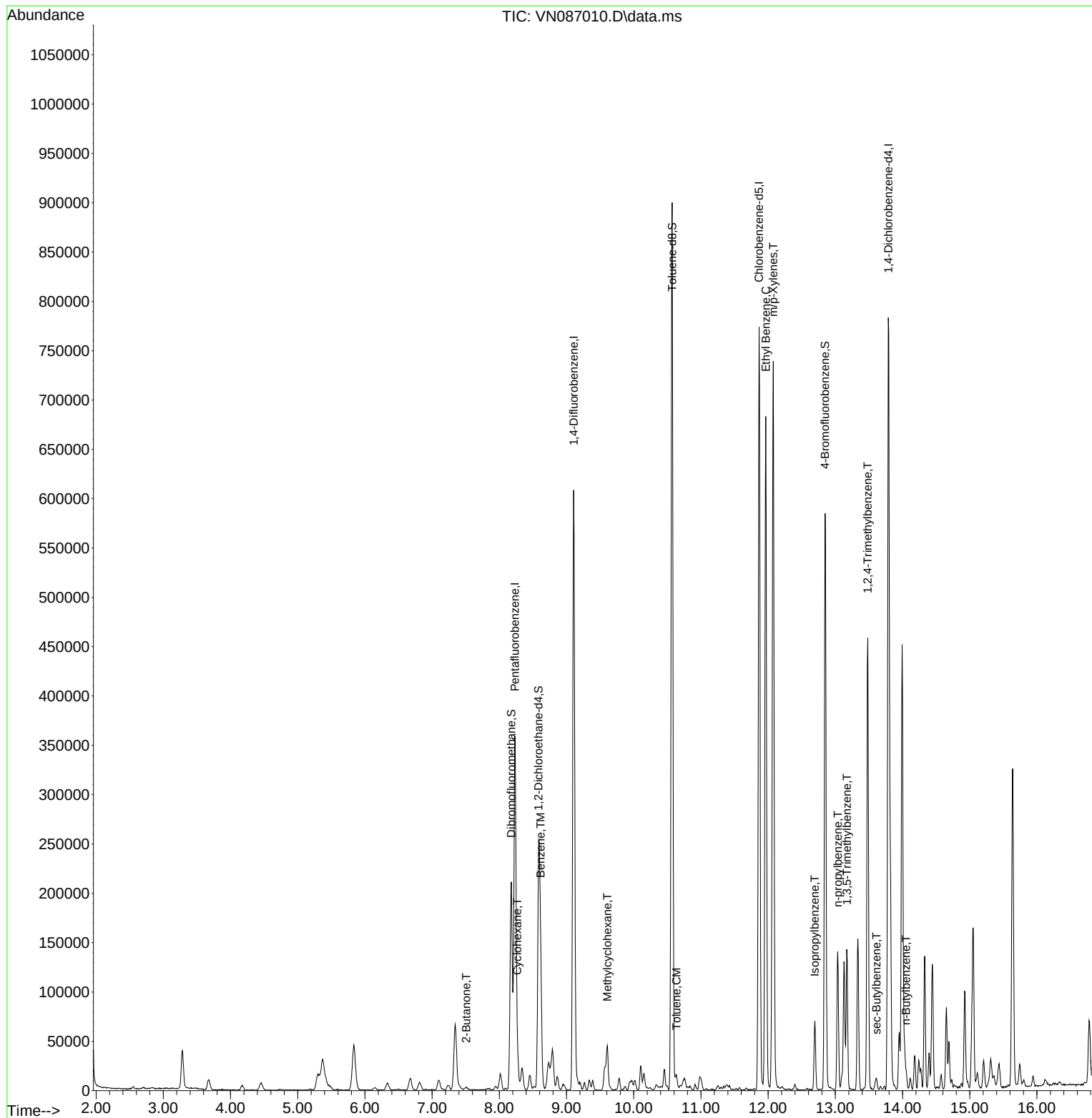
Internal Standards						
1) Pentafluorobenzene	8.230	168	270034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	535823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	478755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	229728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	186946	51.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.420%			
35) Dibromofluoromethane	8.177	113	159901	50.356	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	10.571	98	660051	52.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.847	95	237664	50.888	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.780%			
Target Compounds						
25) 2-Butanone	7.506	43	3870	1.242	ug/l	92
31) Cyclohexane	8.265	56	24719	4.215	ug/l #	89
39) Methylcyclohexane	9.606	83	20825	3.212	ug/l	96
40) Benzene	8.612	78	124882	8.071	ug/l	97
52) Toluene	10.635	92	6373	0.674	ug/l	97
67) Ethyl Benzene	11.965	91	524008	28.811	ug/l	99
68) m/p-Xylenes	12.077	106	252503	36.267	ug/l	99
73) Isopropylbenzene	12.694	105	48850	2.919	ug/l	99
78) n-propylbenzene	13.035	91	119469	5.874	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	77932	5.640	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	274162	19.787	ug/l	99
85) sec-Butylbenzene	13.612	105	7719m	0.420	ug/l	
89) n-Butylbenzene	14.053	91	6726m	0.457	ug/l	

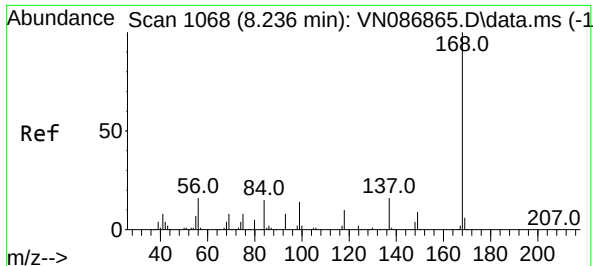
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087010.D
Acq On : 13 Jun 2025 18:24
Operator : JC\MD
Sample : Q2268-03DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

Quant Time: Jun 14 00:33:00 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

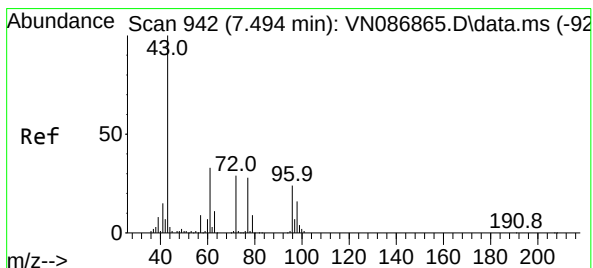
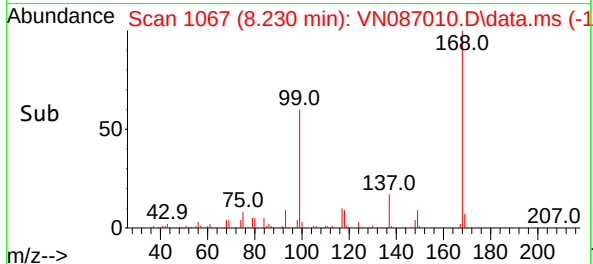
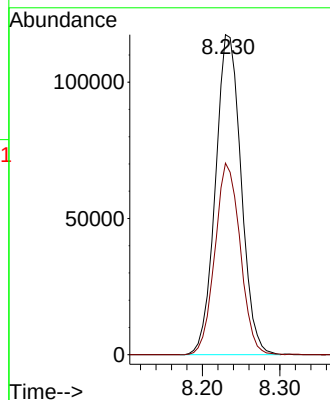
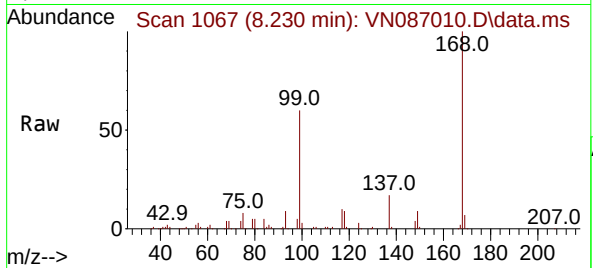




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

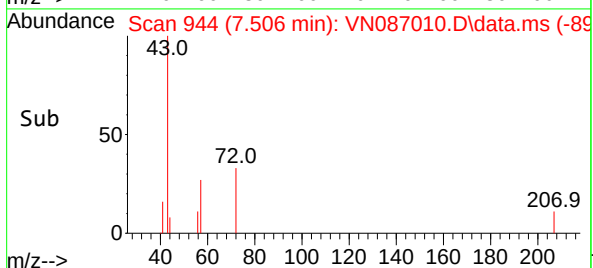
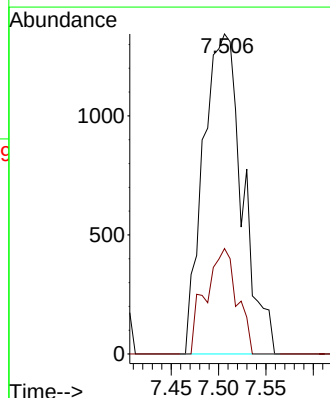
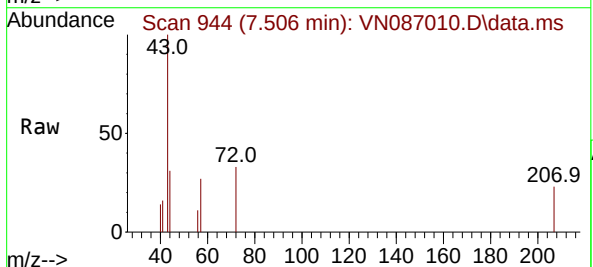
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

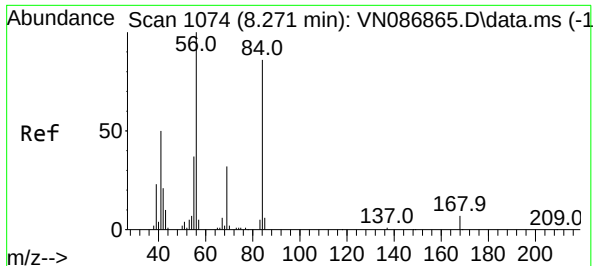
Tgt Ion:168 Resp: 270034
Ion Ratio Lower Upper
168 100
99 59.8 49.1 73.7



#25
2-Butanone
Concen: 1.242 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion: 43 Resp: 3870
Ion Ratio Lower Upper
43 100
72 33.0 23.0 34.6

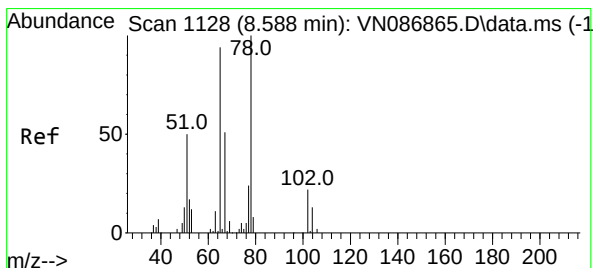
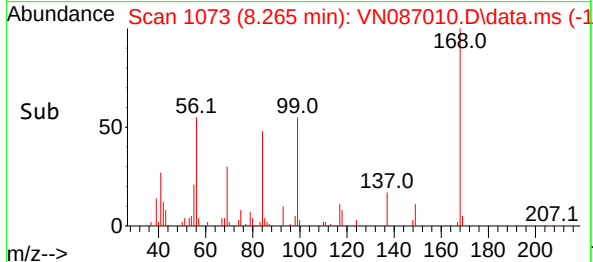
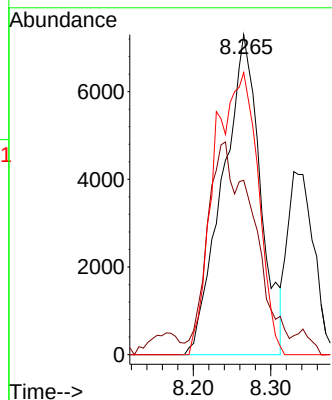
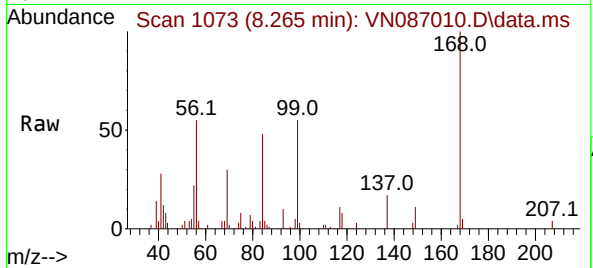




#31
Cyclohexane
Concen: 4.215 ug/l
RT: 8.265 min Scan# 1074
Delta R.T. -0.006 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

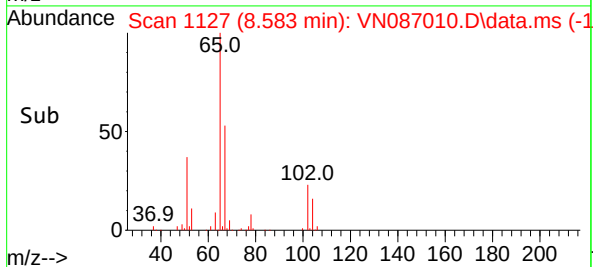
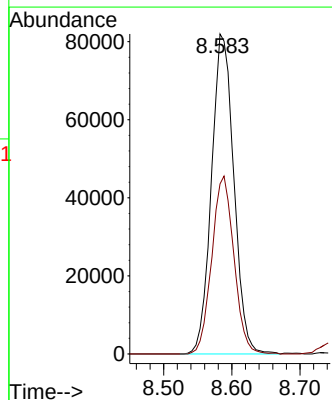
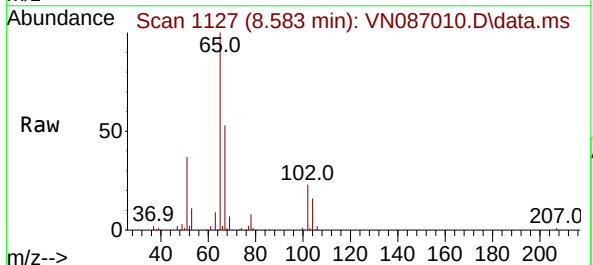
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

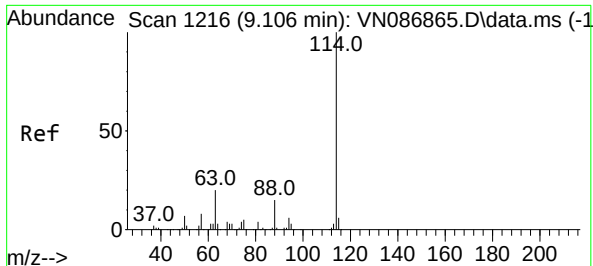
Tgt Ion: 56 Resp: 24719
Ion Ratio Lower Upper
56 100
69 50.7 25.4 38.0#
84 88.1 68.8 103.2



#33
1,2-Dichloroethane-d4
Concen: 51.707 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion: 65 Resp: 186946
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087010.D

Acq: 13 Jun 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

MW-2-20250605DL

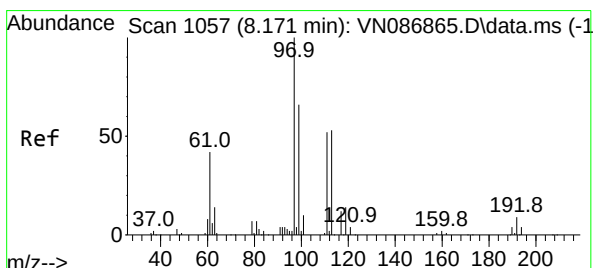
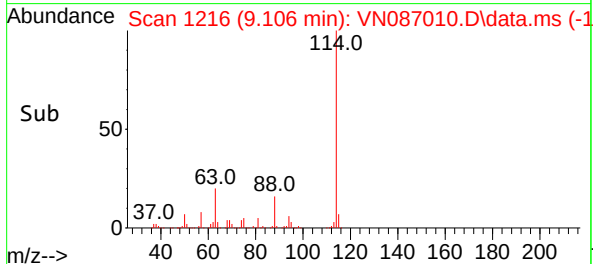
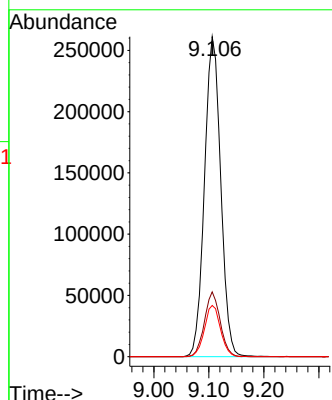
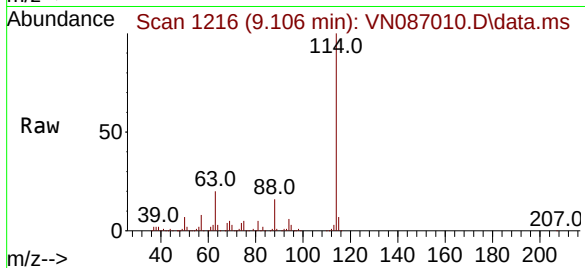
Tgt Ion:114 Resp: 535823

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.356 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087010.D

Acq: 13 Jun 2025 18:24

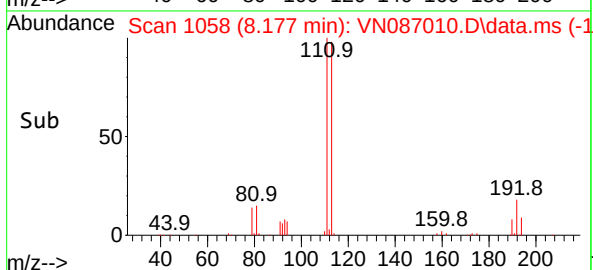
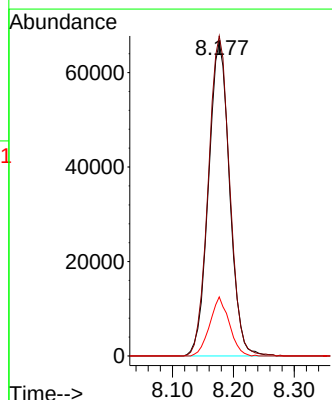
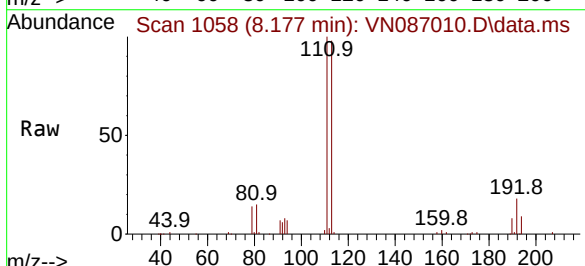
Tgt Ion:113 Resp: 159901

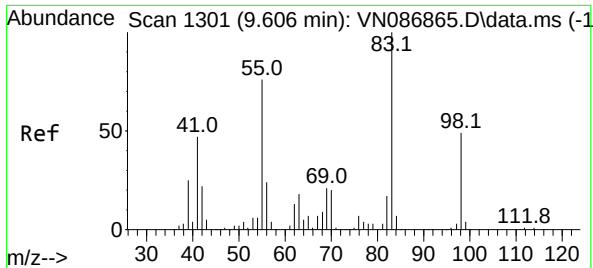
Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 17.4 14.2 21.4





#39

Methylcyclohexane

Concen: 3.212 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN087010.D

Acq: 13 Jun 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

MW-2-20250605DL

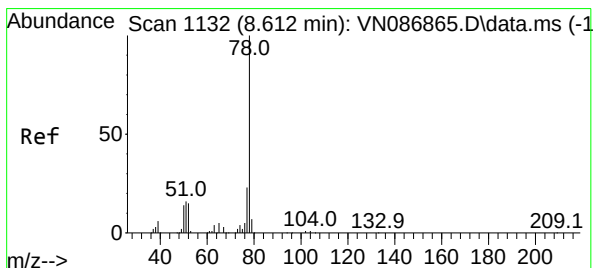
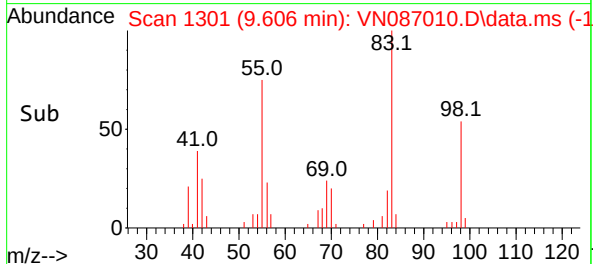
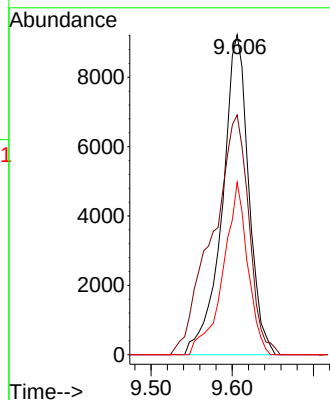
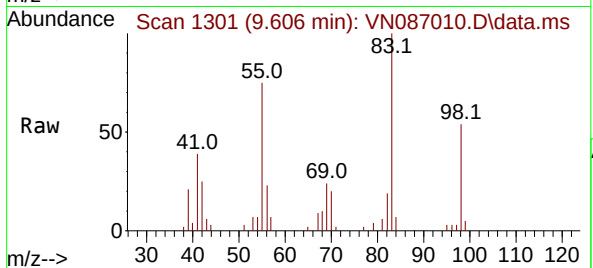
Tgt Ion: 83 Resp: 20825

Ion Ratio Lower Upper

83 100

55 74.9 61.0 91.6

98 53.9 38.9 58.3



#40

Benzene

Concen: 8.071 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN087010.D

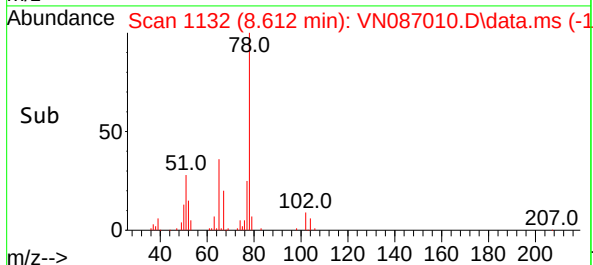
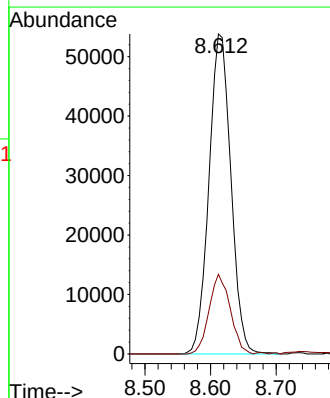
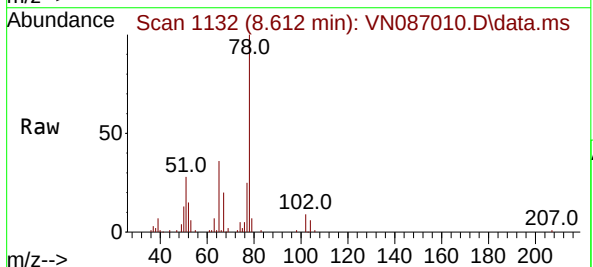
Acq: 13 Jun 2025 18:24

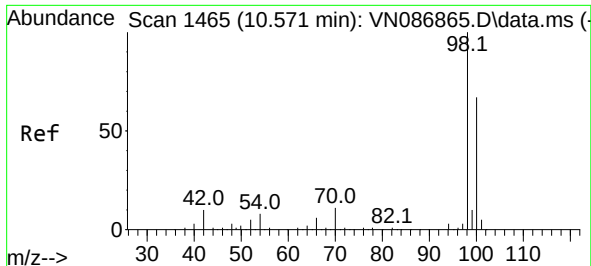
Tgt Ion: 78 Resp: 124882

Ion Ratio Lower Upper

78 100

77 24.9 18.7 28.1

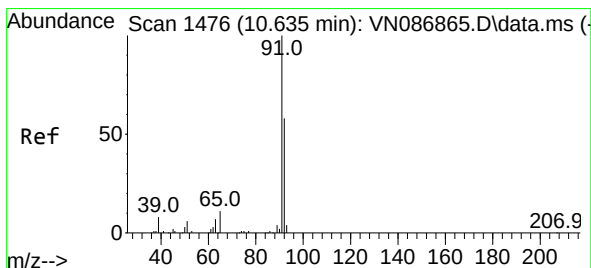
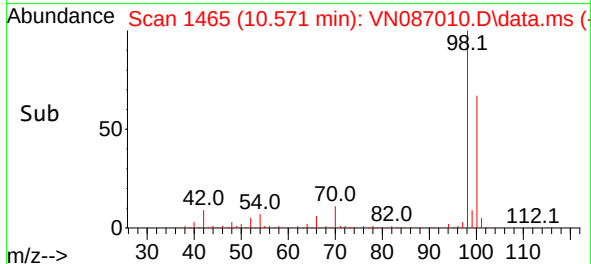
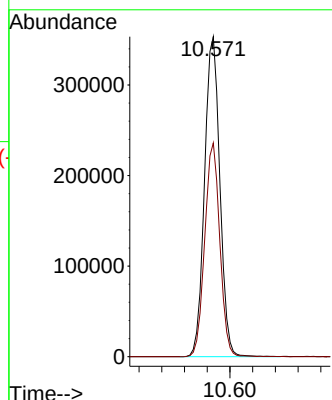
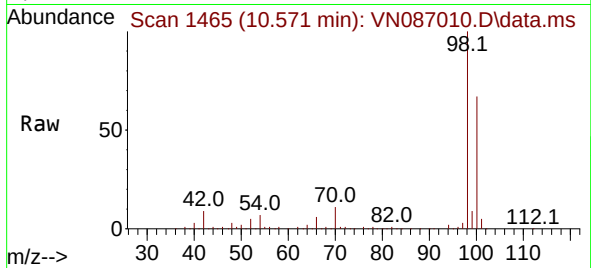




#50
Toluene-d8
Concen: 52.507 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

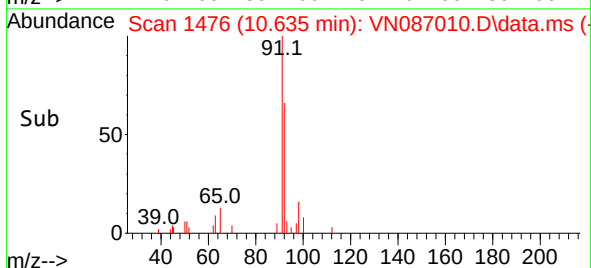
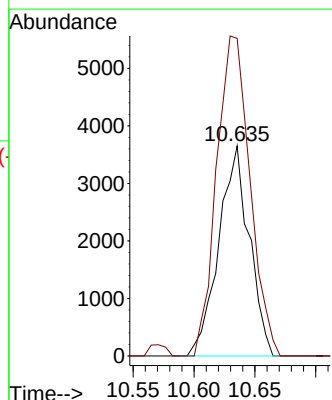
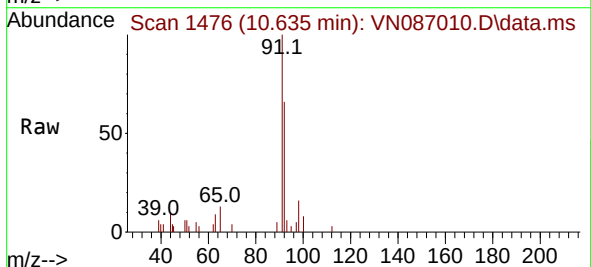
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

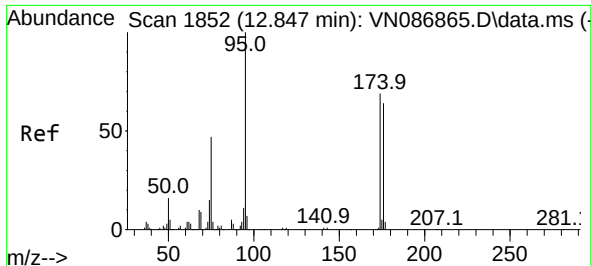
Tgt Ion: 98 Resp: 660051
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0



#52
Toluene
Concen: 0.674 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion: 92 Resp: 6373
Ion Ratio Lower Upper
92 100
91 166.5 136.5 204.7

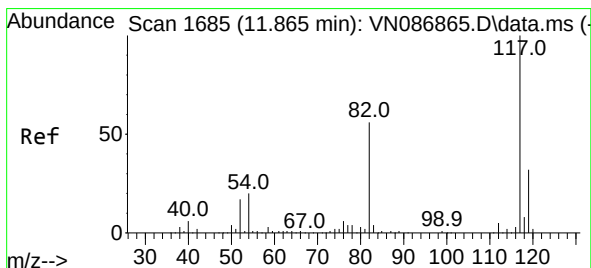
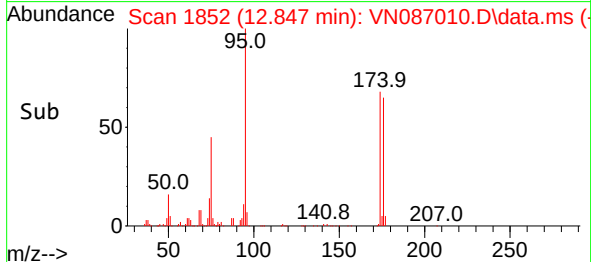
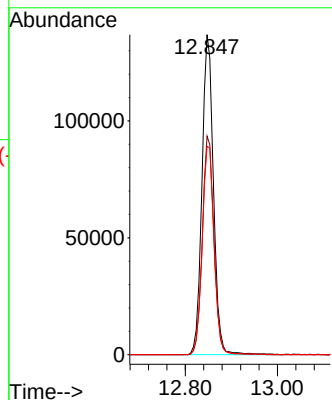
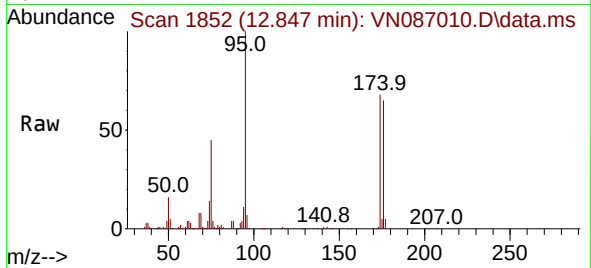




#62
4-Bromofluorobenzene
Concen: 50.888 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

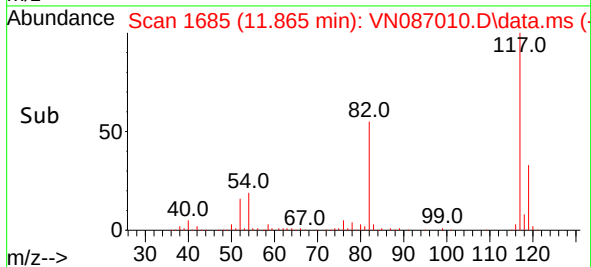
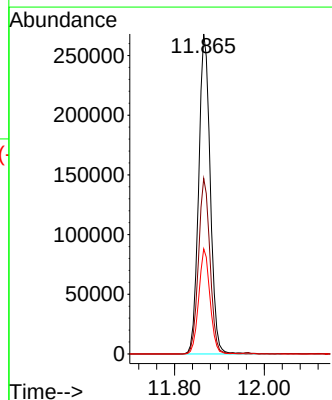
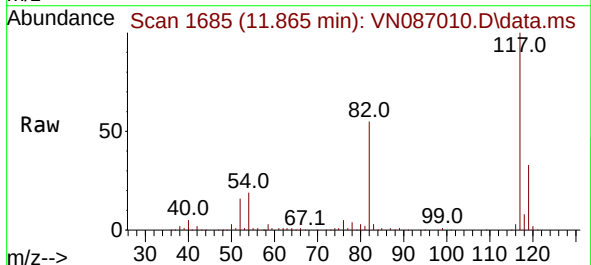
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

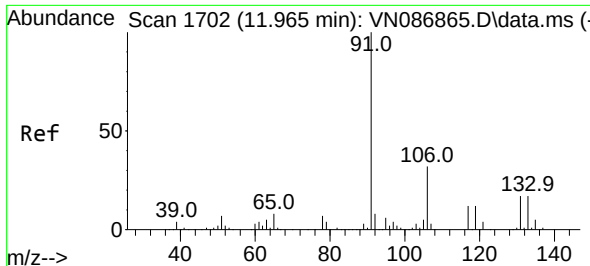
Tgt Ion: 95 Resp: 237664
Ion Ratio Lower Upper
95 100
174 69.3 0.0 141.8
176 67.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion: 117 Resp: 478755
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.9 25.5 38.3

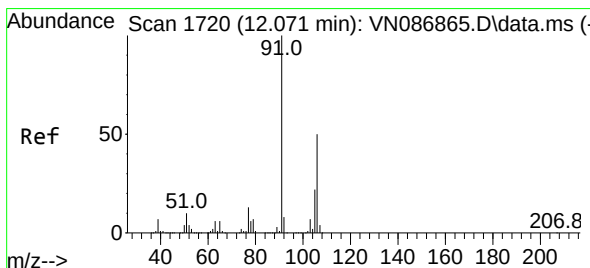
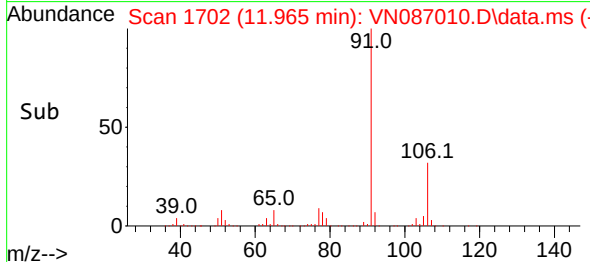
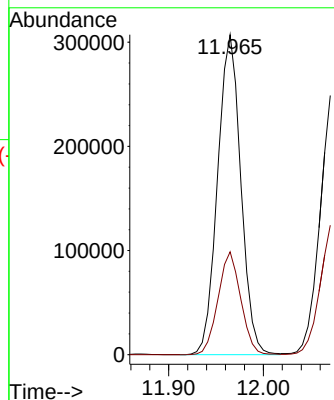
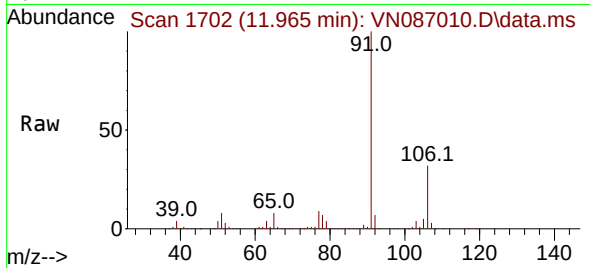




#67
Ethyl Benzene
Concen: 28.811 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

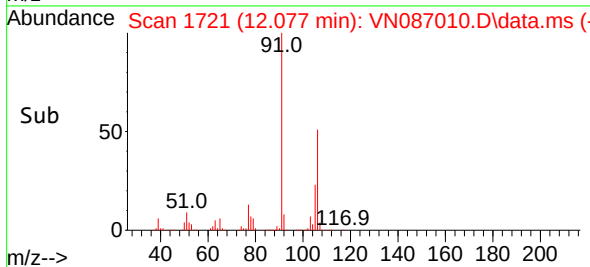
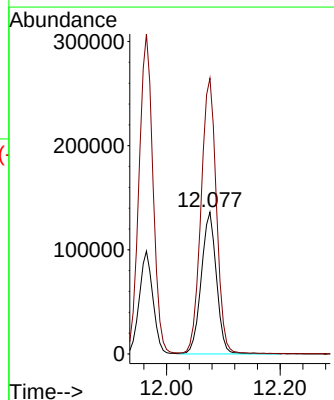
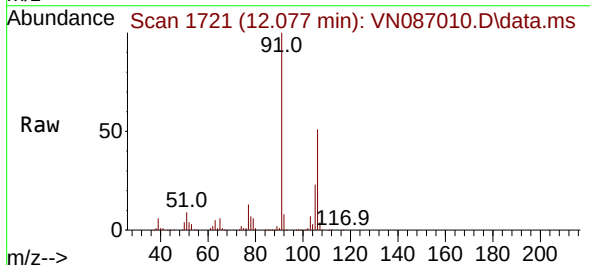
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

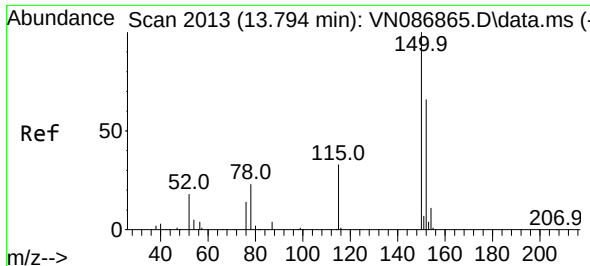
Tgt Ion: 91 Resp: 524008
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2



#68
m/p-Xylenes
Concen: 36.267 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion: 106 Resp: 252503
Ion Ratio Lower Upper
106 100
91 197.4 159.4 239.0

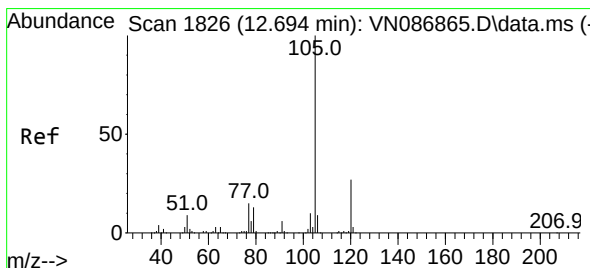
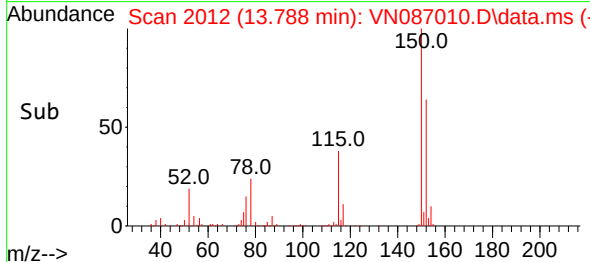
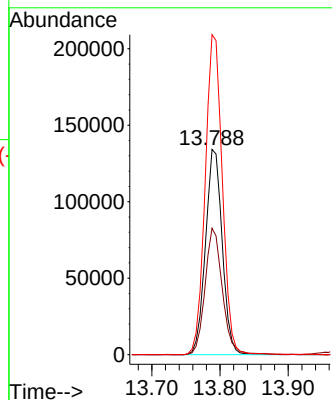
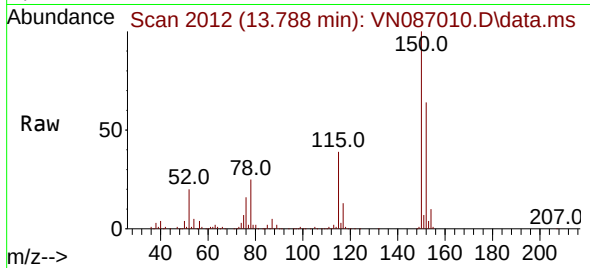




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

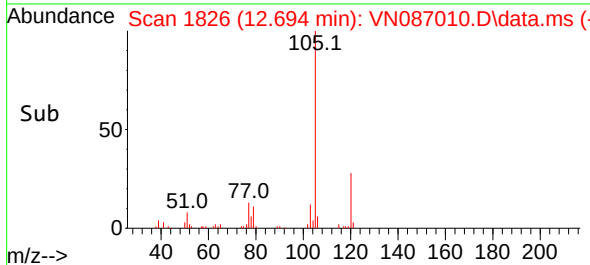
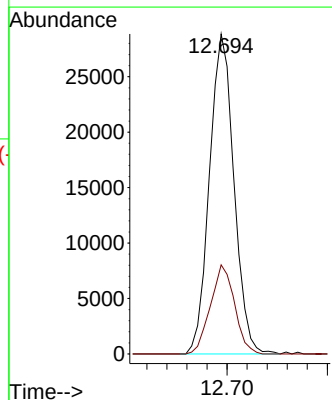
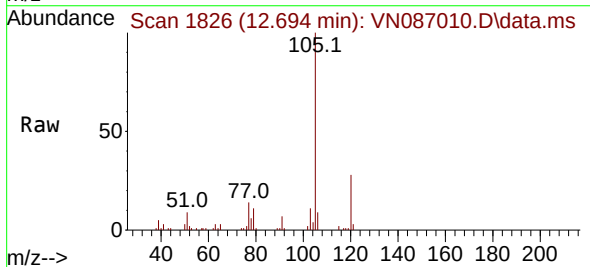
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

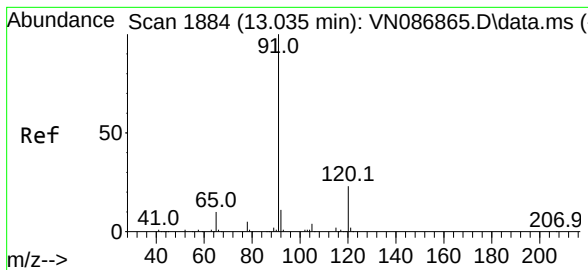
Tgt Ion:152 Resp: 229728
Ion Ratio Lower Upper
152 100
115 63.8 30.1 90.5
150 159.4 0.0 345.0



#73
Isopropylbenzene
Concen: 2.919 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion:105 Resp: 48850
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.4

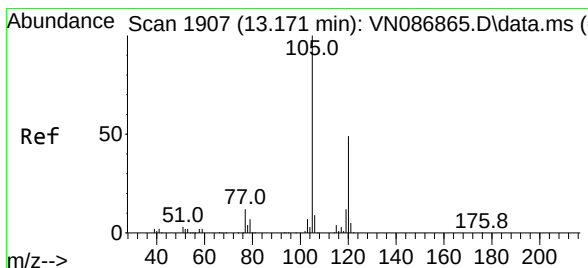
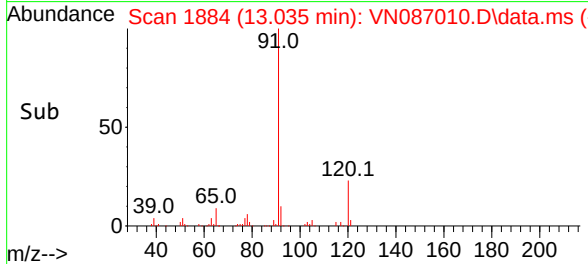
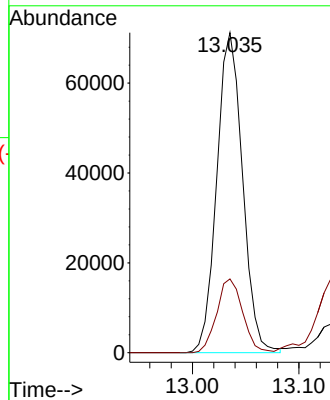
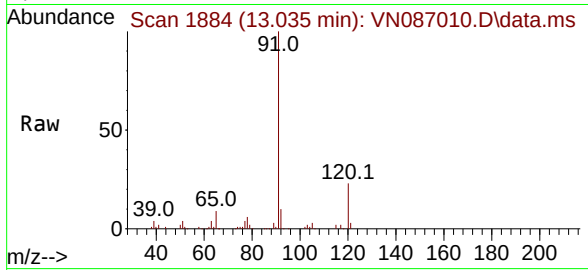




#78
n-propylbenzene
Concen: 5.874 ug/l
RT: 13.035 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

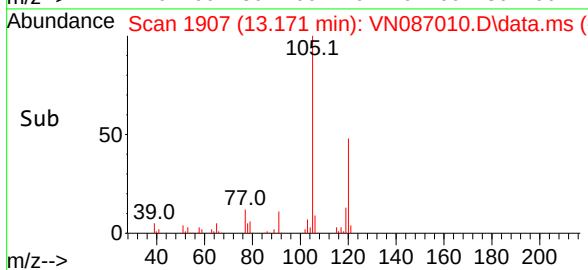
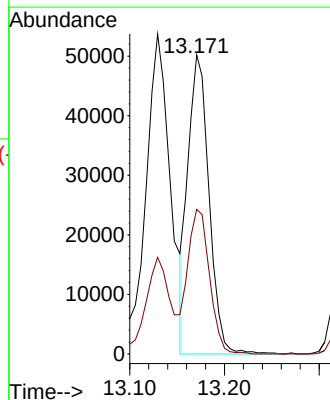
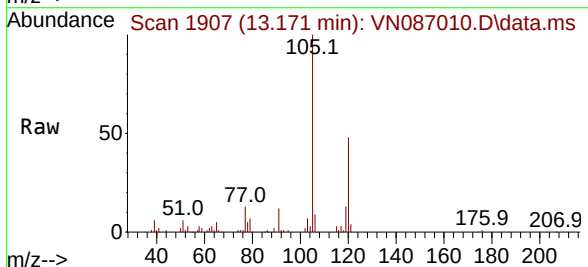
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

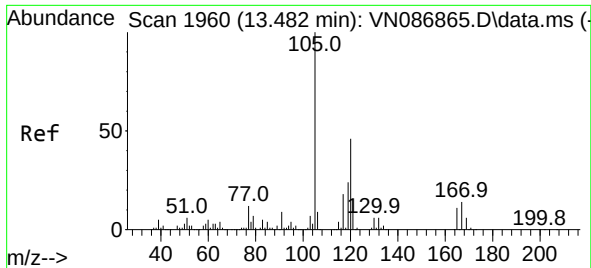
Tgt Ion: 91 Resp: 119469
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.2



#80
1,3,5-Trimethylbenzene
Concen: 5.640 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion:105 Resp: 77932
Ion Ratio Lower Upper
105 100
120 52.2 24.9 74.6

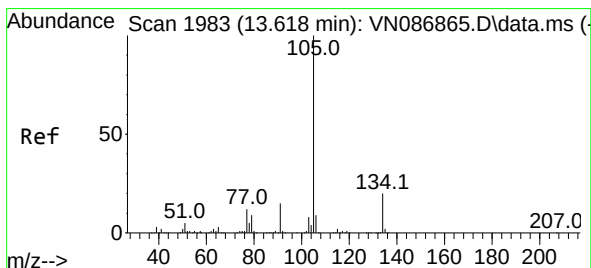
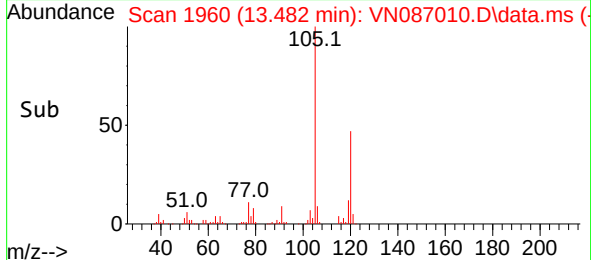
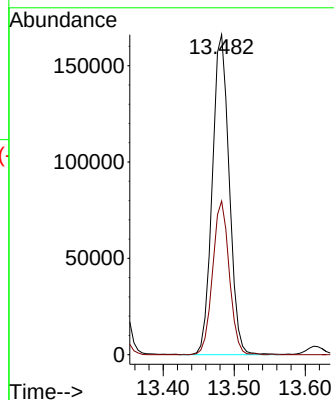
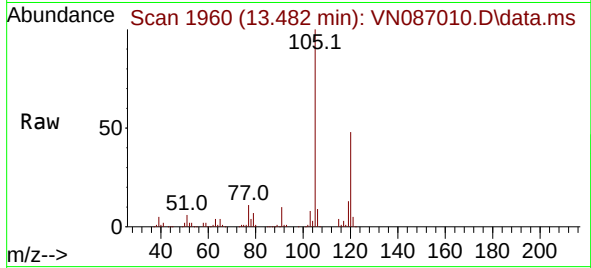




#84
1,2,4-Trimethylbenzene
Concen: 19.787 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

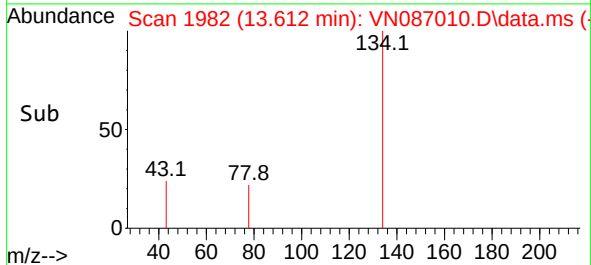
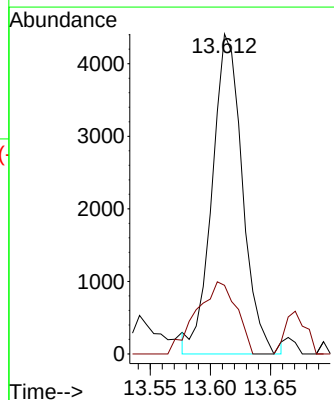
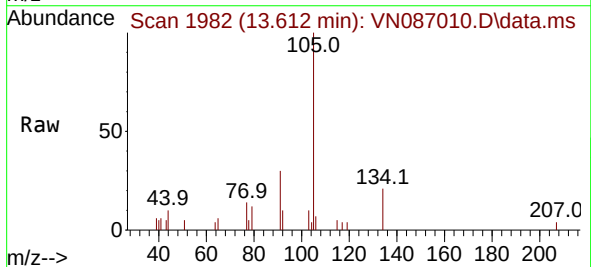
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605DL

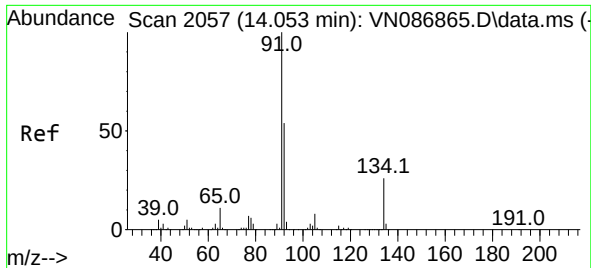
Tgt Ion:105 Resp: 274162
Ion Ratio Lower Upper
105 100
120 47.1 23.2 69.6



#85
sec-Butylbenzene
Concen: 0.420 ug/l m
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN087010.D
Acq: 13 Jun 2025 18:24

Tgt Ion:105 Resp: 7719
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#89
 n-Butylbenzene
 Concen: 0.457 ug/l m
 RT: 14.053 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VN087010.D
 Acq: 13 Jun 2025 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605DL

Tgt Ion:	91	Resp:	6726
Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.5	82.4#
134	0.0	13.0	39.0#

