

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087583.D
 Acq On : 15 Aug 2025 15:40
 Operator : JC\MD
 Sample : Q2864-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-25-113-121

Quant Time: Aug 18 05:45:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

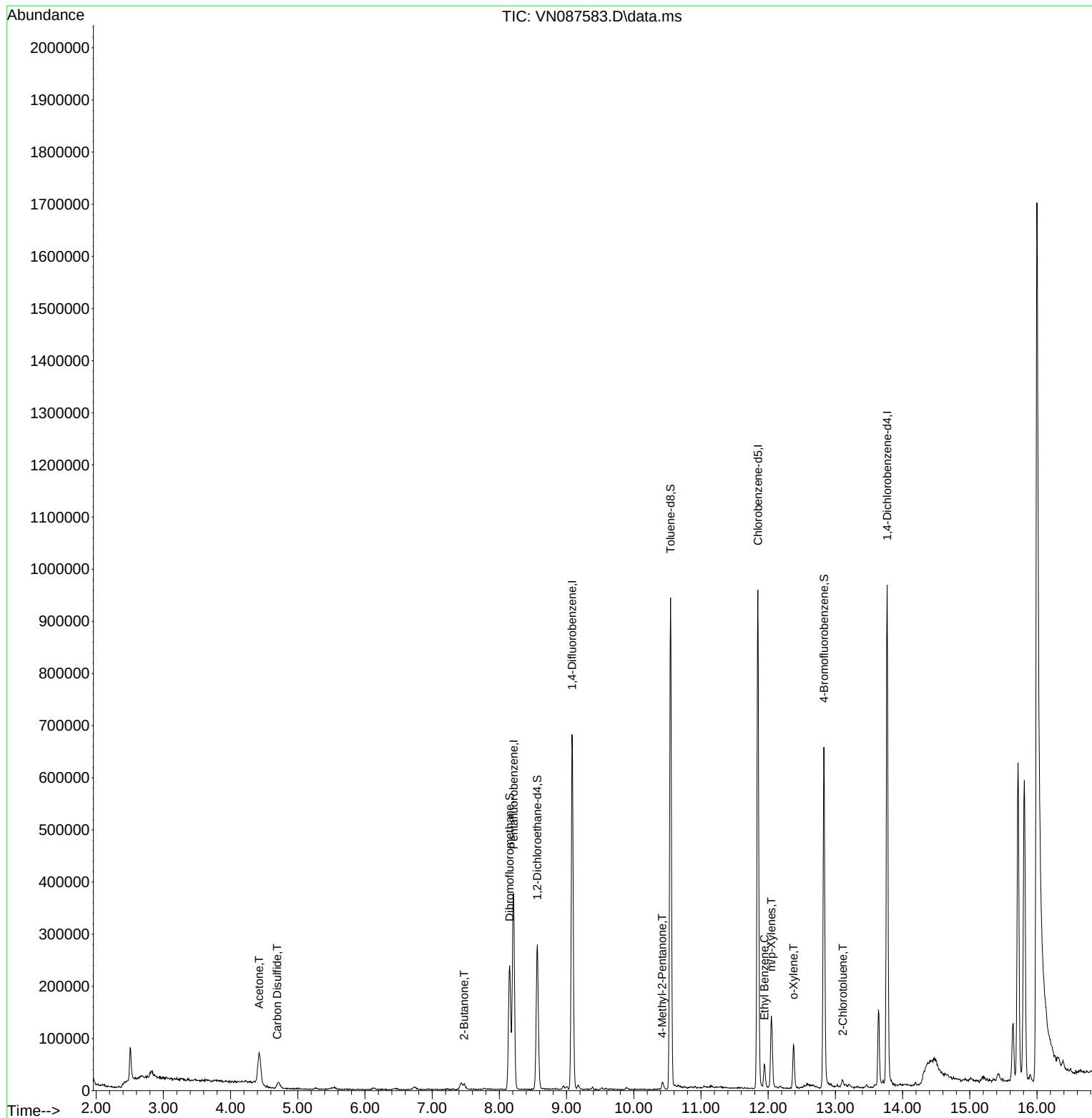
Internal Standards						
1) Pentafluorobenzene	8.212	168	251774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	555327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	503335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233138	54.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.140%	
35) Dibromofluoromethane	8.153	113	168368	43.953	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.900%	
50) Toluene-d8	10.547	98	622791	45.578	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.160%	
62) 4-Bromofluorobenzene	12.829	95	229931	45.546	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.100%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	115765	57.794	ug/l	98
17) Carbon Disulfide	4.695	76	17111	2.008	ug/l	98
25) 2-Butanone	7.477	43	15452	4.993	ug/l #	81
51) 4-Methyl-2-Pentanone	10.424	43	13035	1.816	ug/l	88
67) Ethyl Benzene	11.947	91	33655	1.809	ug/l	97
68) m/p-Xylenes	12.047	106	41902	6.015	ug/l	90
69) o-Xylene	12.376	106	24100	3.622	ug/l	97
79) 2-Chlorotoluene	13.112	91	4671	0.398	ug/l	85

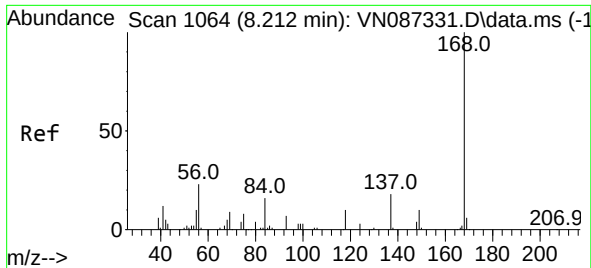
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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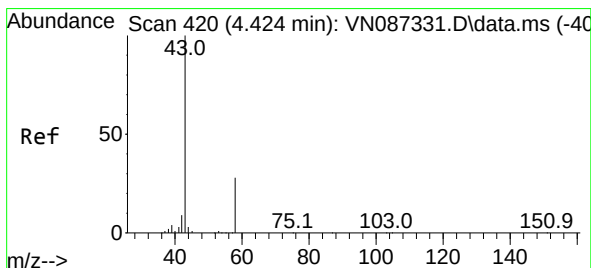
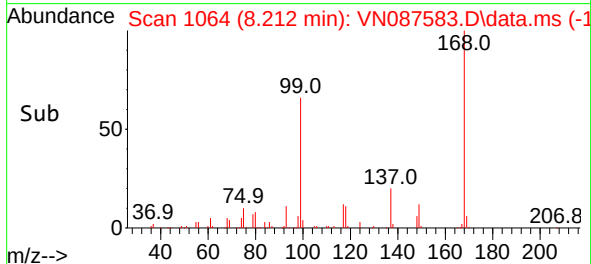
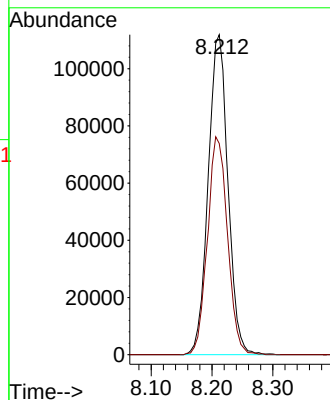
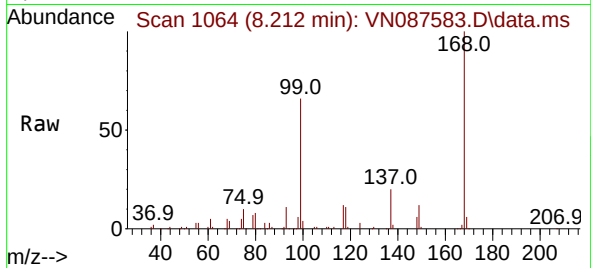




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

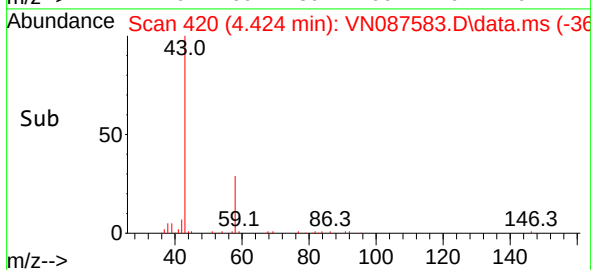
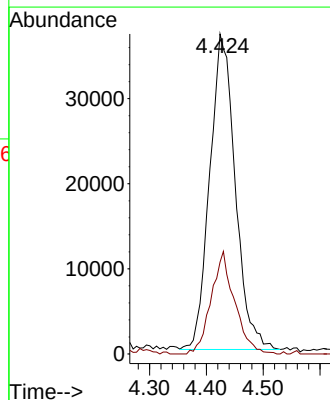
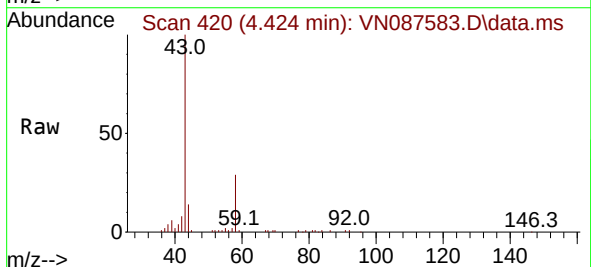
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-113-121

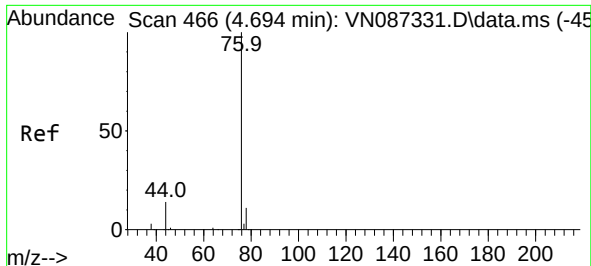
Tgt Ion:168 Resp: 251774
Ion Ratio Lower Upper
168 100
99 66.0 47.9 71.9



#16
Acetone
Concen: 57.794 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

Tgt Ion: 43 Resp: 115765
Ion Ratio Lower Upper
43 100
58 29.1 22.3 33.5

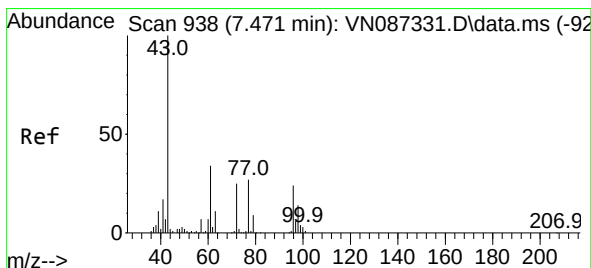
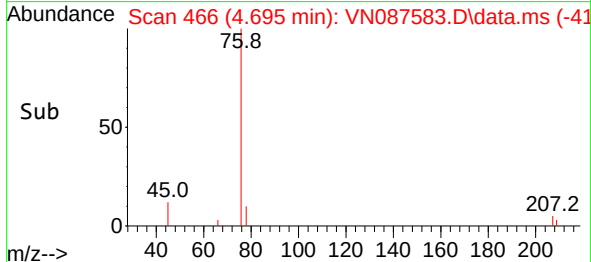
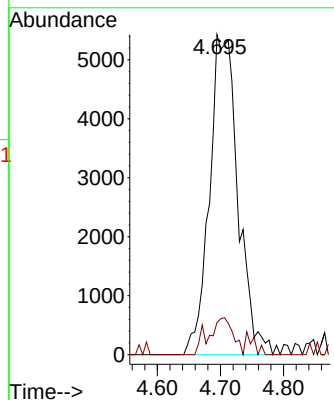
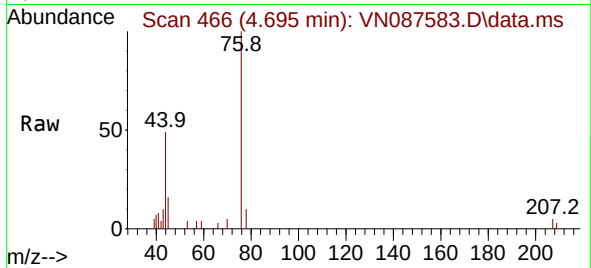




#17
Carbon Disulfide
Concen: 2.008 ug/l
RT: 4.695 min Scan# 41
Delta R.T. 0.001 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

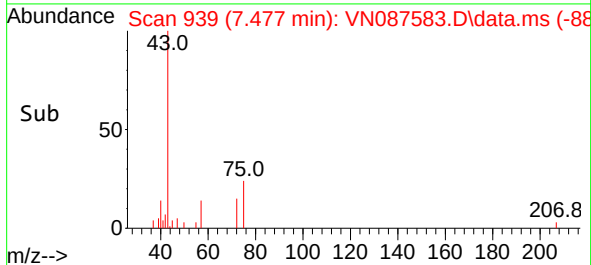
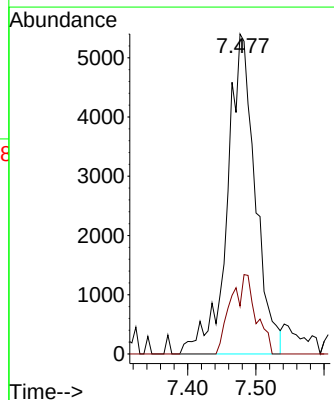
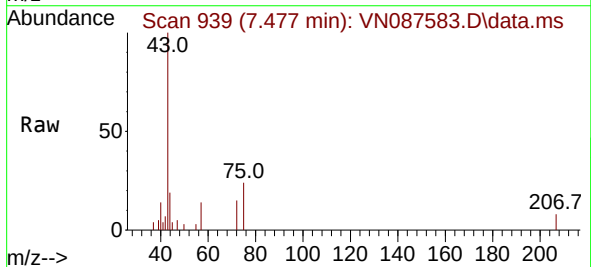
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-113-121

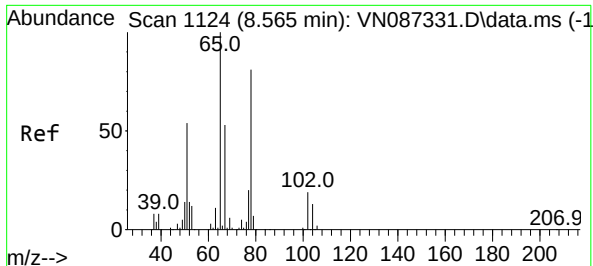
Tgt Ion: 76 Resp: 17111
Ion Ratio Lower Upper
76 100
78 10.1 8.6 13.0



#25
2-Butanone
Concen: 4.993 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

Tgt Ion: 43 Resp: 15452
Ion Ratio Lower Upper
43 100
72 15.0 19.6 29.4#





#33

1,2-Dichloroethane-d4

Concen: 54.573 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087583.D

Acq: 15 Aug 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

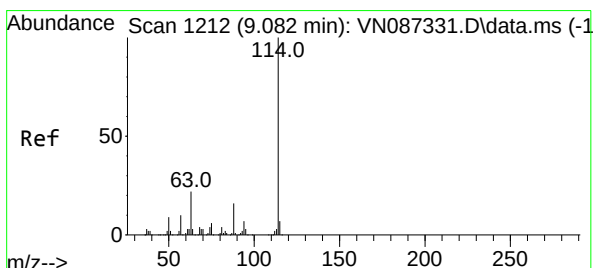
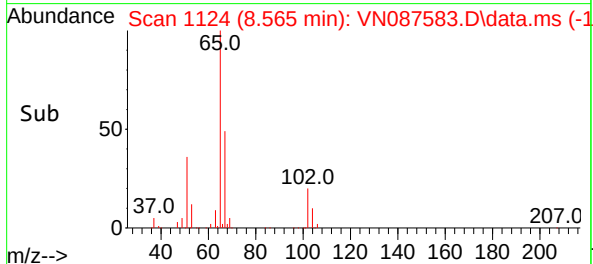
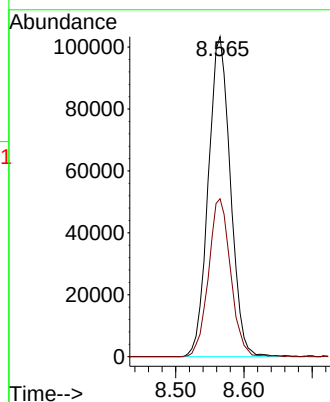
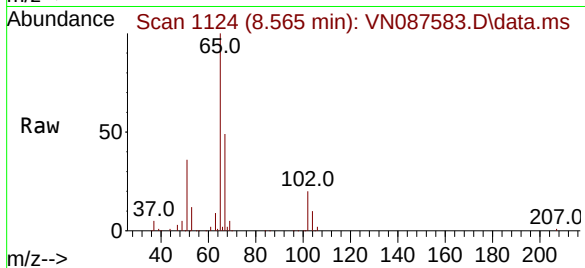
LAW-25-113-121

Tgt Ion: 65 Resp: 233138

Ion Ratio Lower Upper

65 100

67 49.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087583.D

Acq: 15 Aug 2025 15:40

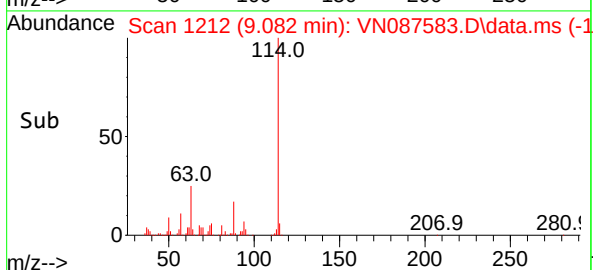
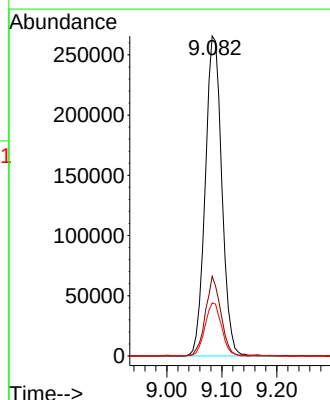
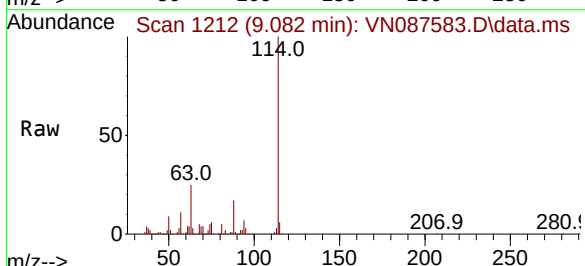
Tgt Ion: 114 Resp: 555327

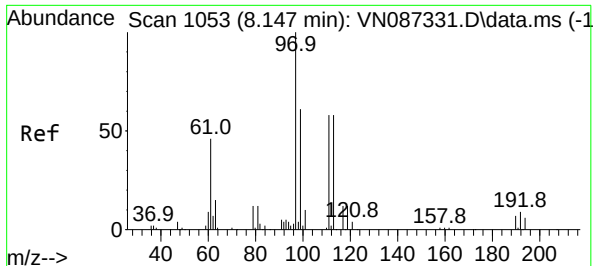
Ion Ratio Lower Upper

114 100

63 24.9 0.0 44.6

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 43.953 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087583.D

Acq: 15 Aug 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

LAW-25-113-121

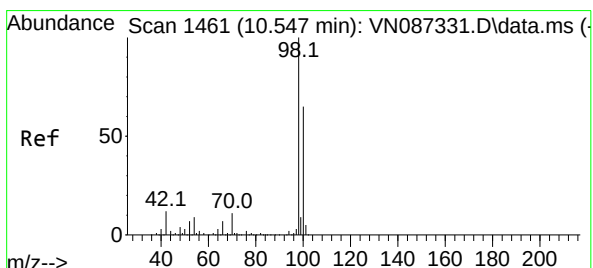
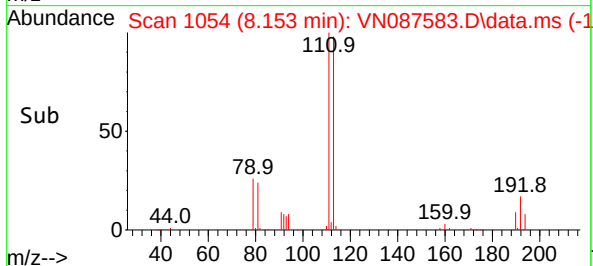
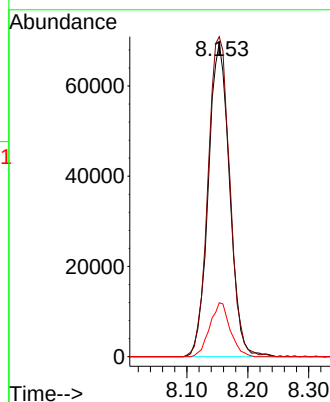
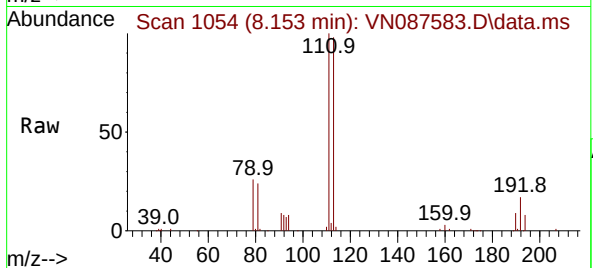
Tgt Ion:113 Resp: 168368

Ion Ratio Lower Upper

113 100

111 104.7 82.5 123.7

192 16.4 13.7 20.5



#50

Toluene-d8

Concen: 45.578 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087583.D

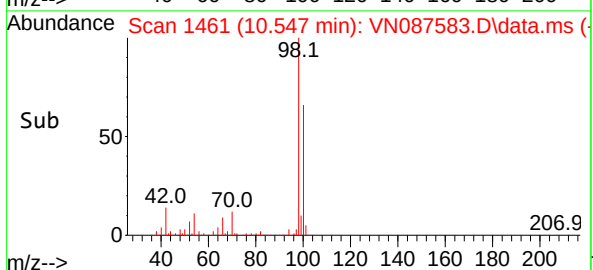
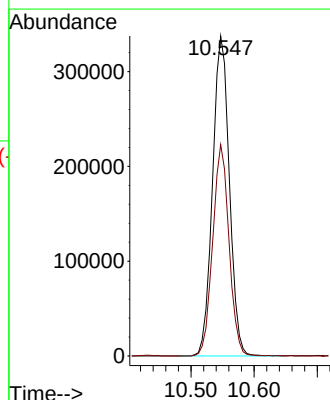
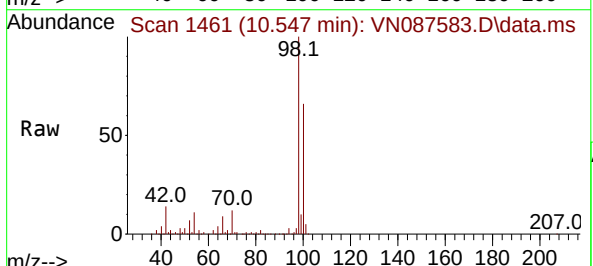
Acq: 15 Aug 2025 15:40

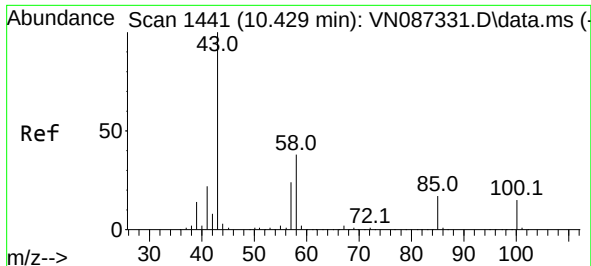
Tgt Ion: 98 Resp: 622791

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1

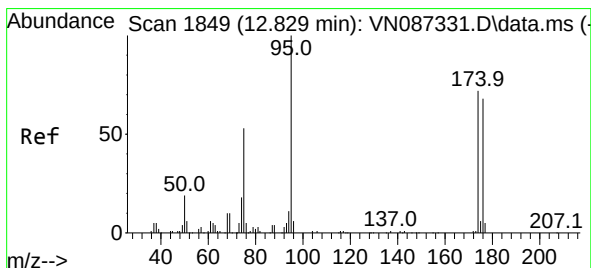
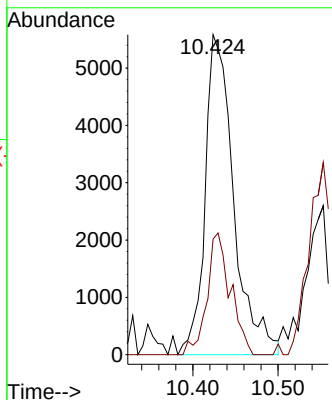
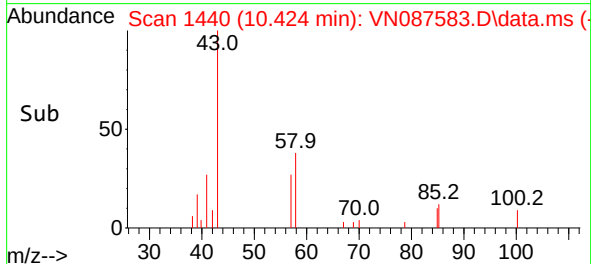
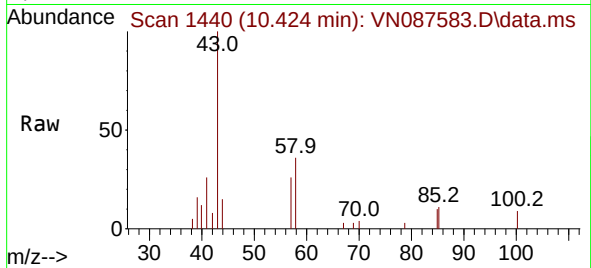




#51
4-Methyl-2-Pentanone
Concen: 1.816 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.005 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

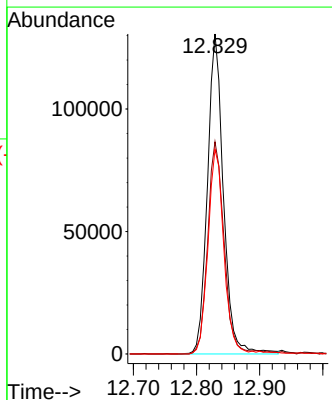
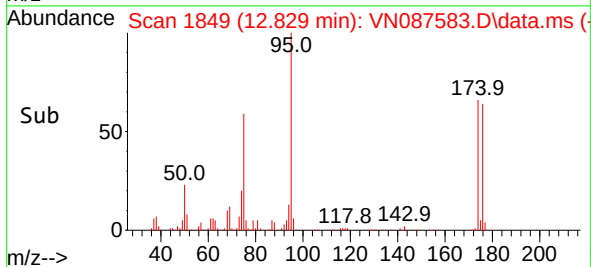
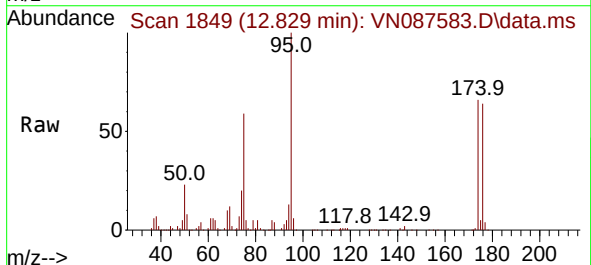
Instrument :
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LAW-25-113-121

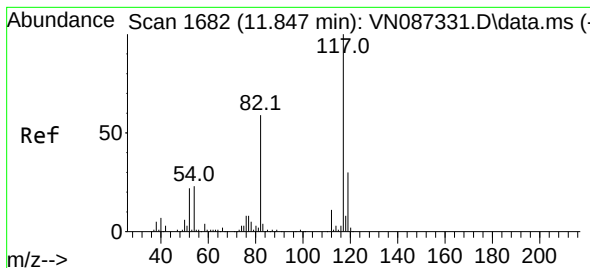
Tgt Ion: 43 Resp: 13035
Ion Ratio Lower Upper
43 100
58 31.3 30.8 46.2



#62
4-Bromofluorobenzene
Concen: 45.546 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

Tgt Ion: 95 Resp: 229931
Ion Ratio Lower Upper
95 100
174 68.3 0.0 149.4
176 64.3 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087583.D

Acq: 15 Aug 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

LAW-25-113-121

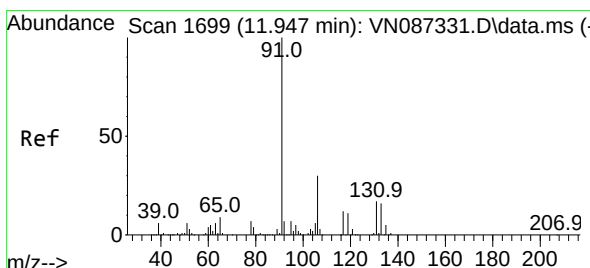
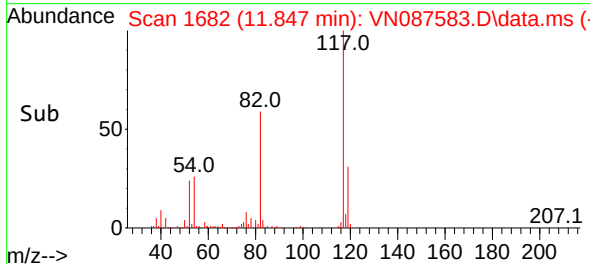
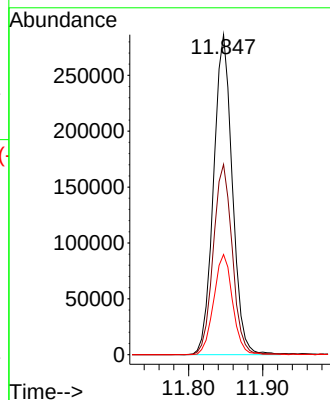
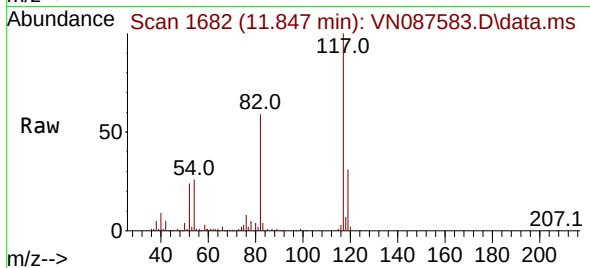
Tgt Ion:117 Resp: 503335

Ion Ratio Lower Upper

117 100

82 59.4 47.4 71.2

119 31.3 23.8 35.8



#67

Ethyl Benzene

Concen: 1.809 ug/l

RT: 11.947 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VN087583.D

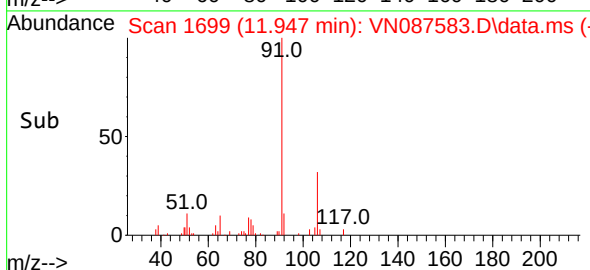
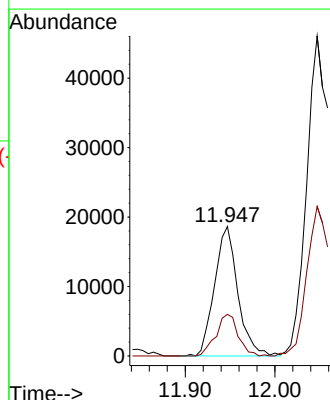
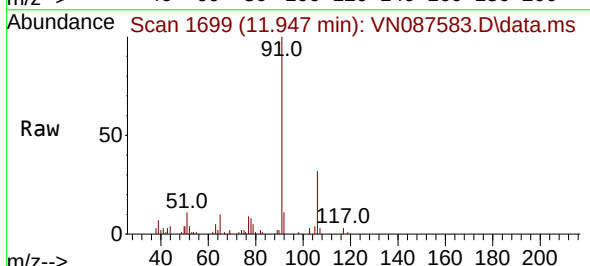
Acq: 15 Aug 2025 15:40

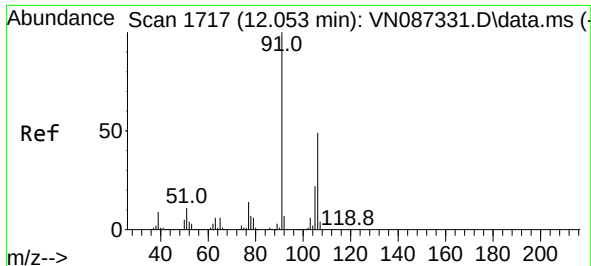
Tgt Ion: 91 Resp: 33655

Ion Ratio Lower Upper

91 100

106 32.1 24.3 36.5

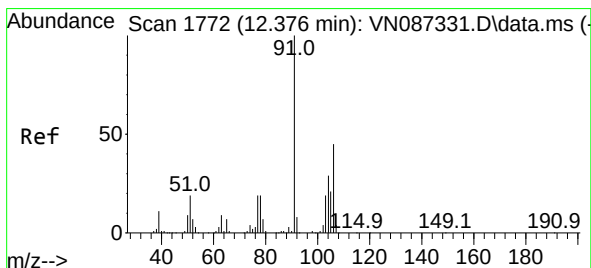
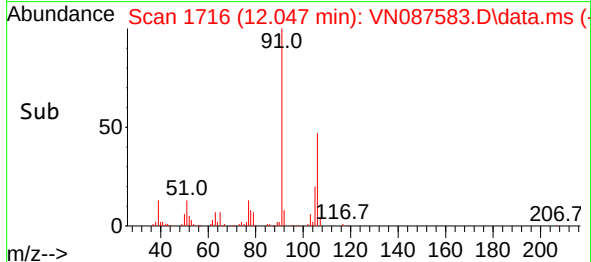
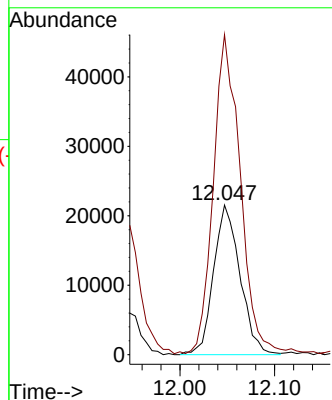
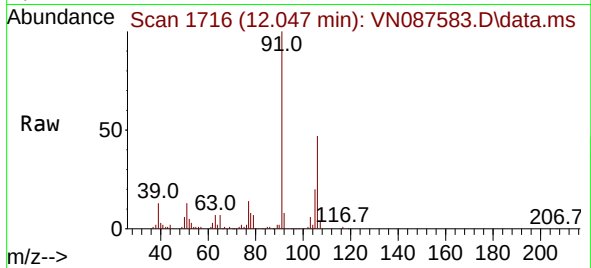




#68
m/p-Xylenes
Concen: 6.015 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

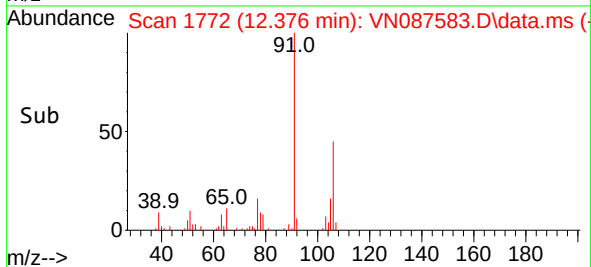
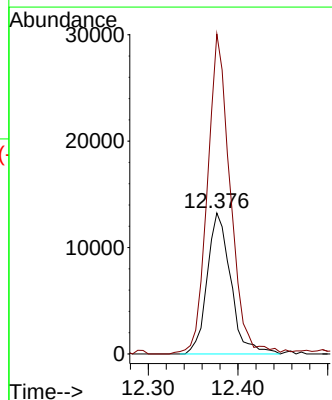
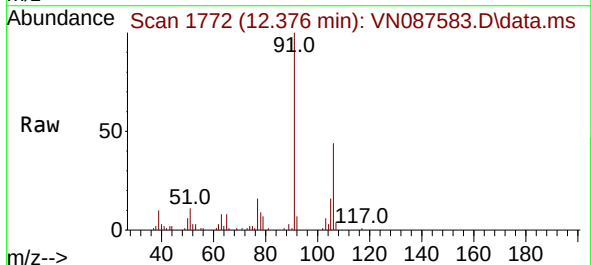
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-113-121

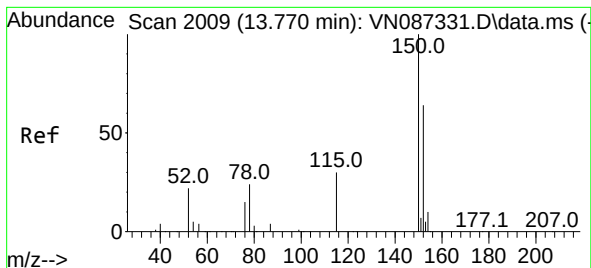
Tgt Ion:106 Resp: 41902
Ion Ratio Lower Upper
106 100
91 217.6 162.0 243.0



#69
o-Xylene
Concen: 3.622 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087583.D
Acq: 15 Aug 2025 15:40

Tgt Ion:106 Resp: 24100
Ion Ratio Lower Upper
106 100
91 221.1 107.7 323.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087583.D

Acq: 15 Aug 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

LAW-25-113-121

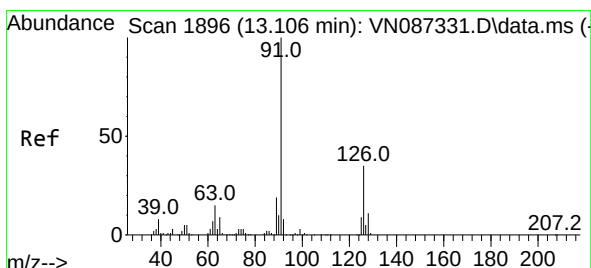
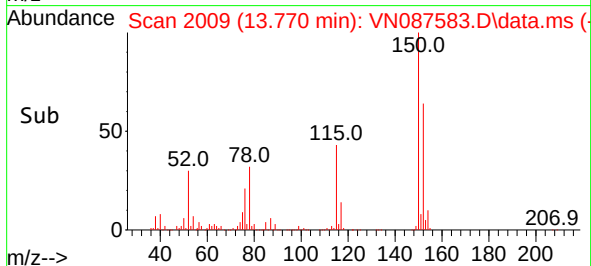
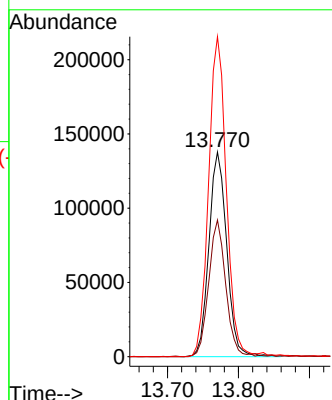
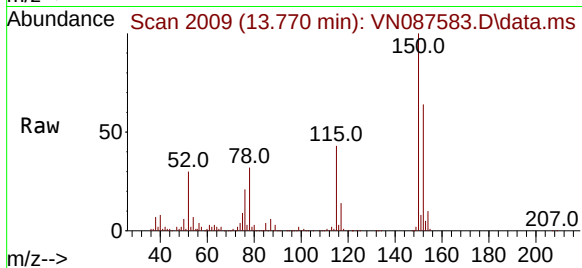
Tgt Ion:152 Resp: 241136

Ion Ratio Lower Upper

152 100

115 64.1 31.1 93.5

150 154.5 0.0 349.0



#79

2-Chlorotoluene

Concen: 0.398 ug/l

RT: 13.112 min Scan# 1897

Delta R.T. 0.006 min

Lab File: VN087583.D

Acq: 15 Aug 2025 15:40

Tgt Ion: 91 Resp: 4671

Ion Ratio Lower Upper

91 100

126 25.2 16.9 50.6

