

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088118.D
 Acq On : 27 Oct 2025 16:37
 Operator : JC\MD
 Sample : Q3426-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP3

Quant Time: Oct 28 01:29:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

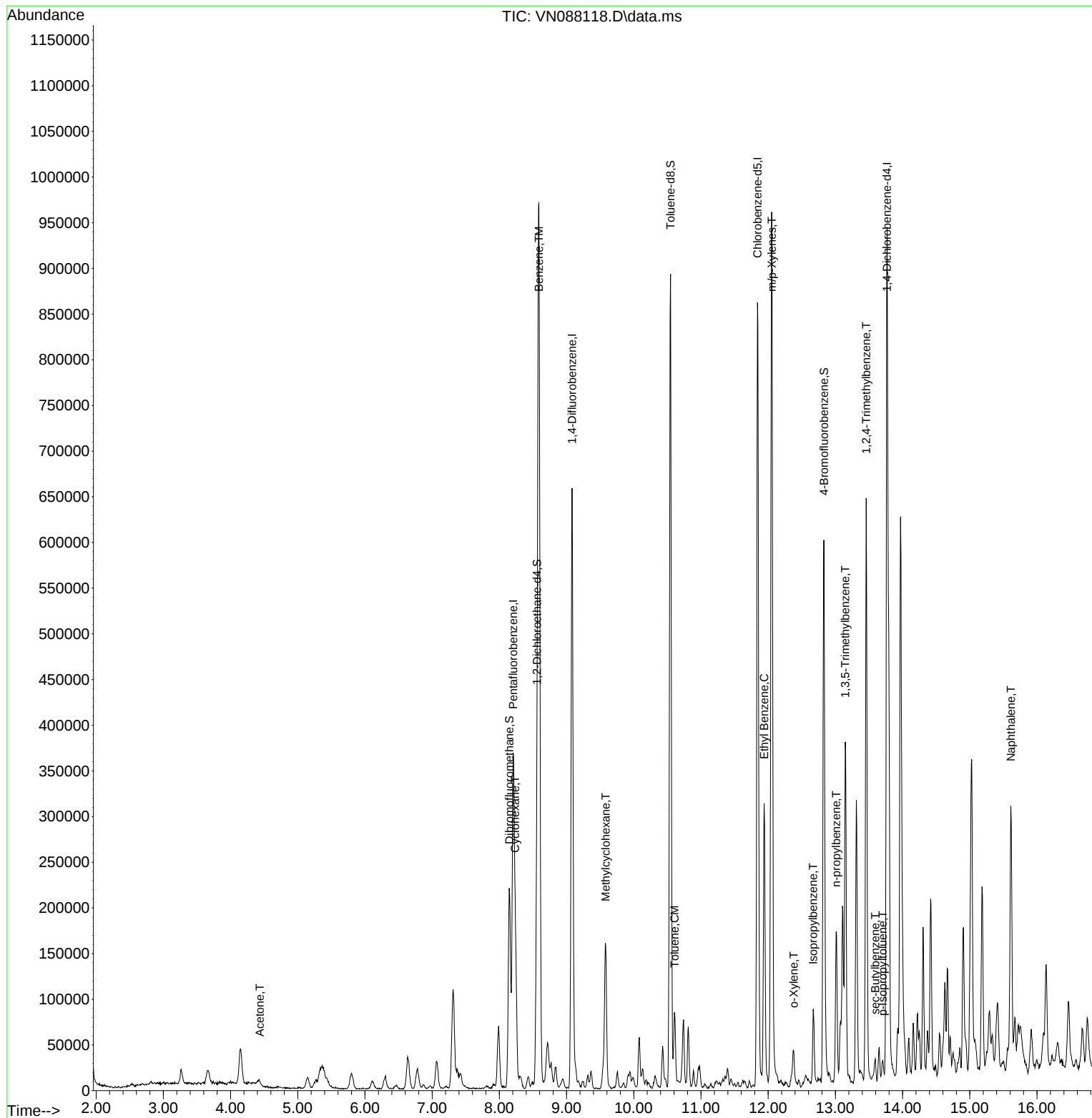
Internal Standards						
1) Pentafluorobenzene	8.206	168	224334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	500872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	474497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	239267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210281	54.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.420%			
35) Dibromofluoromethane	8.147	113	156831	46.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.220%			
50) Toluene-d8	10.547	98	575060	44.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.829	95	223758	48.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.740%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	9660	4.957	ug/l	98
31) Cyclohexane	8.236	56	89978	16.570	ug/l	98
39) Methylcyclohexane	9.582	83	62812	9.946	ug/l	91
40) Benzene	8.588	78	912139	60.961	ug/l	98
52) Toluene	10.606	92	31494	3.414	ug/l	95
67) Ethyl Benzene	11.941	91	223201	11.802	ug/l	98
68) m/p-Xylenes	12.053	106	287334	40.549	ug/l	100
69) o-Xylene	12.382	106	11867	1.767	ug/l	87
73) Isopropylbenzene	12.671	105	53797	2.915	ug/l	99
78) n-propylbenzene	13.012	91	141707	6.292	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	195431	12.751	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	353818	23.074	ug/l	99
85) sec-Butylbenzene	13.594	105	14978	0.745	ug/l #	79
86) p-Isopropyltoluene	13.706	119	10319	0.639	ug/l	90
95) Naphthalene	15.611	128	268146	16.878	ug/l	99

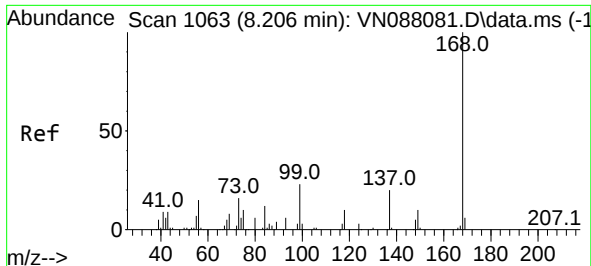
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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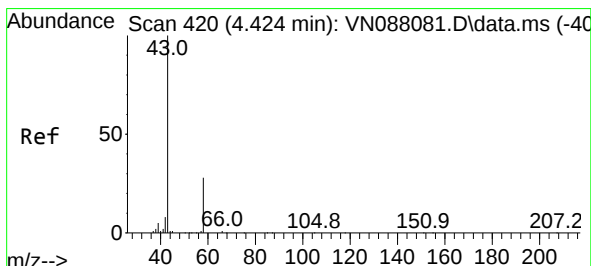
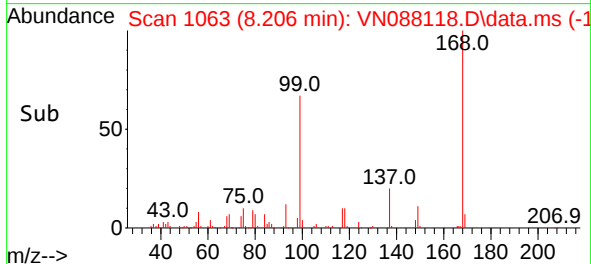
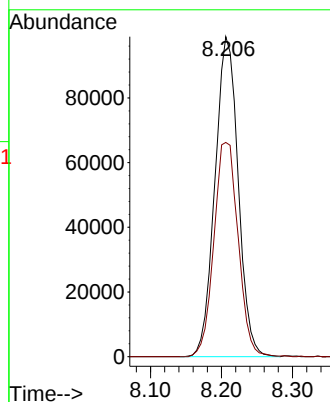
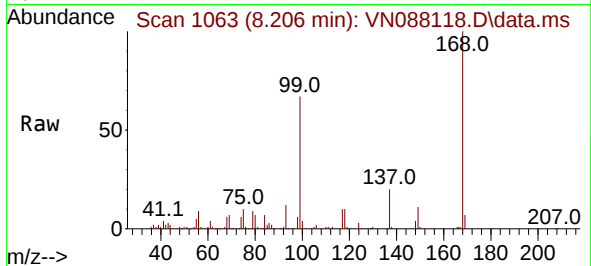




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

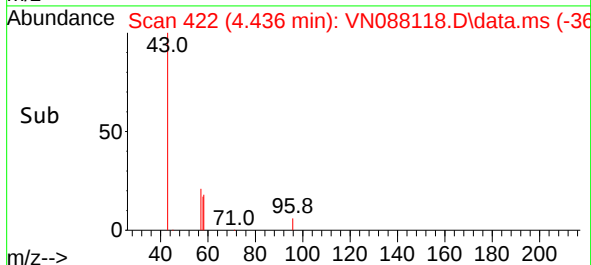
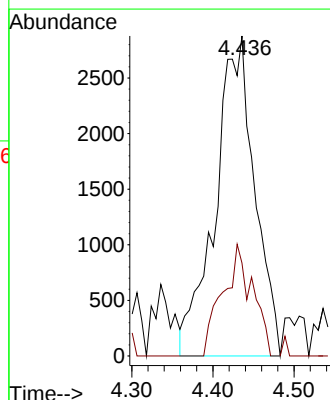
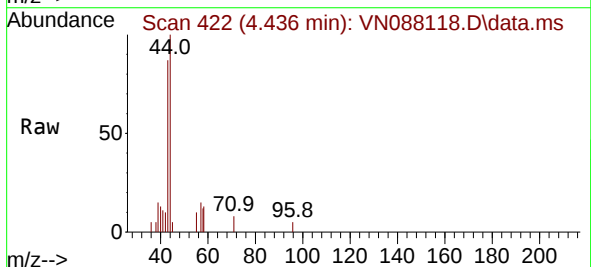
Instrument :
MSVOA_N
ClientSampleId :
TWP3

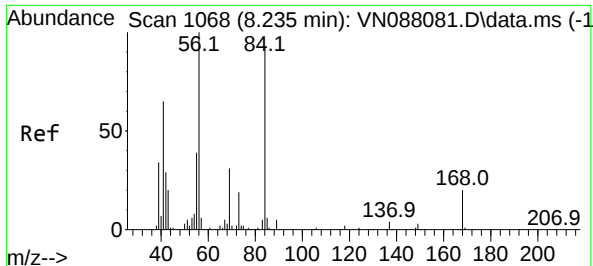
Tgt Ion:168 Resp: 224334
Ion Ratio Lower Upper
168 100
99 67.0 57.2 85.8



#16
Acetone
Concen: 4.957 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 43 Resp: 9660
Ion Ratio Lower Upper
43 100
58 29.0 22.6 33.8

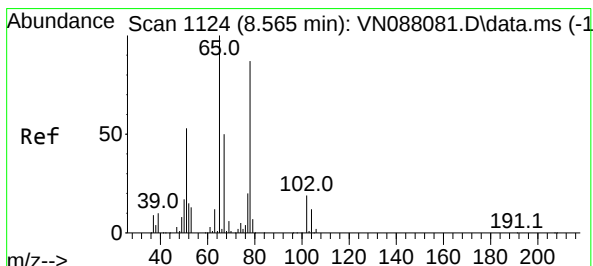
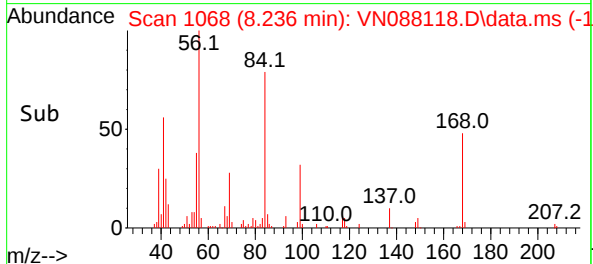
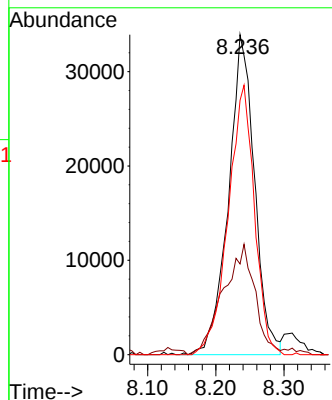
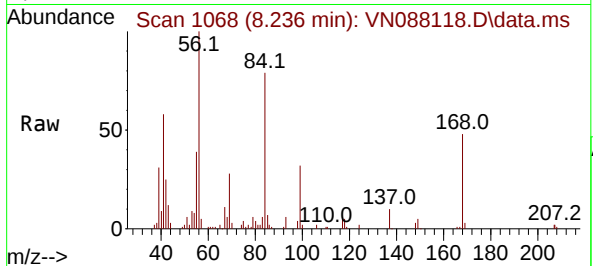




#31
Cyclohexane
Concen: 16.570 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

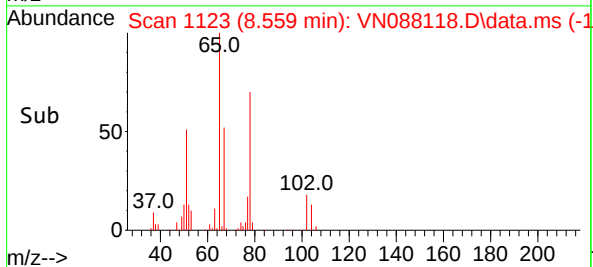
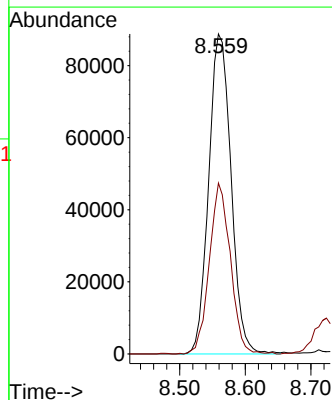
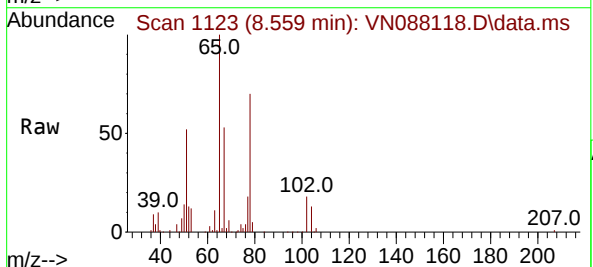
Instrument :
MSVOA_N
ClientSampleId :
TWP3

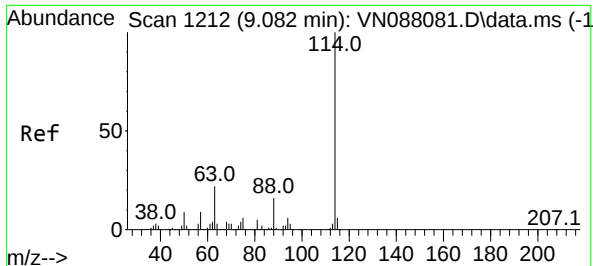
Tgt Ion: 56 Resp: 89978
Ion Ratio Lower Upper
56 100
69 27.1 23.7 35.5
84 79.5 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 54.207 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 65 Resp: 210281
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088118.D

Acq: 27 Oct 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :

TWP3

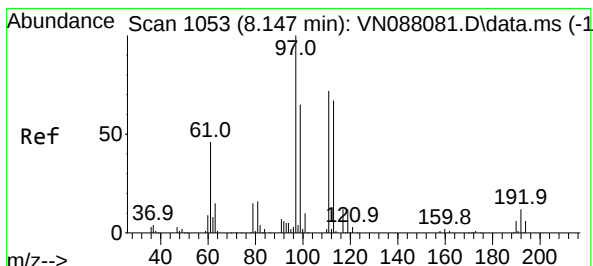
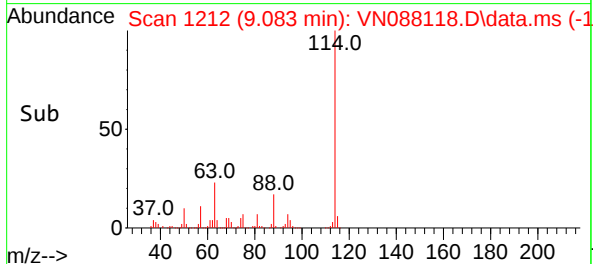
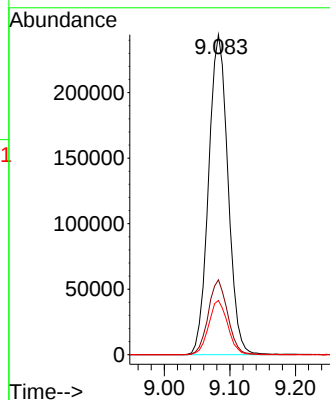
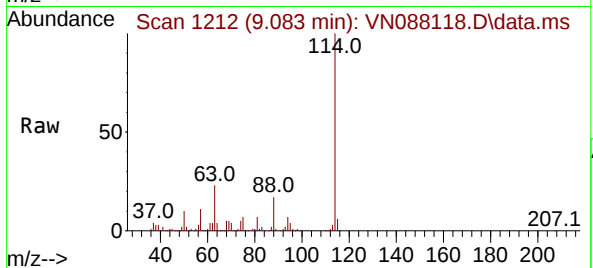
Tgt Ion:114 Resp: 500872

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 17.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 46.608 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088118.D

Acq: 27 Oct 2025 16:37

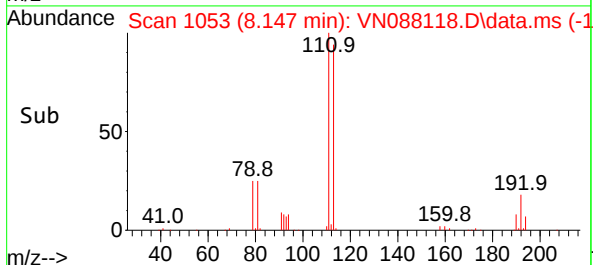
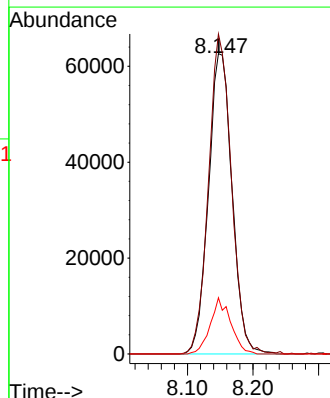
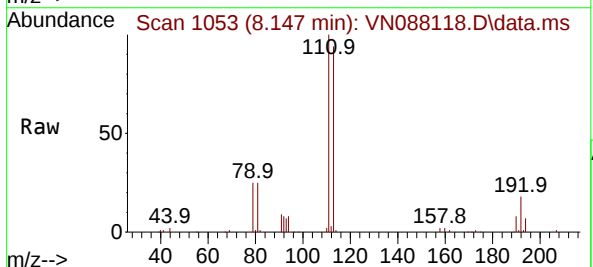
Tgt Ion:113 Resp: 156831

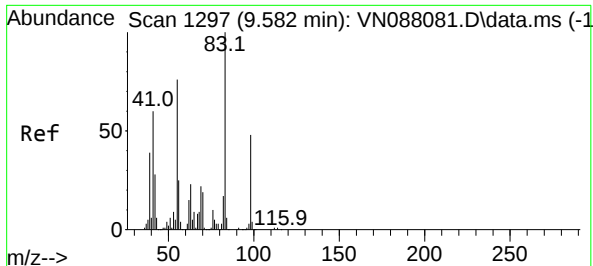
Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 16.2 12.8 19.2





#39

Methylcyclohexane

Concen: 9.946 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN088118.D

Acq: 27 Oct 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :

TWP3

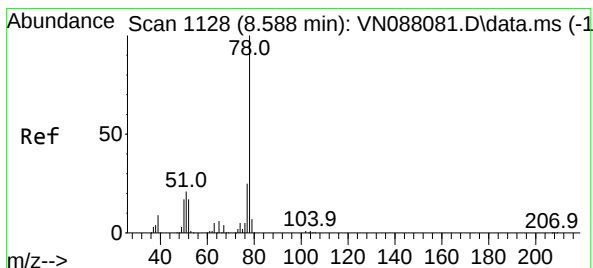
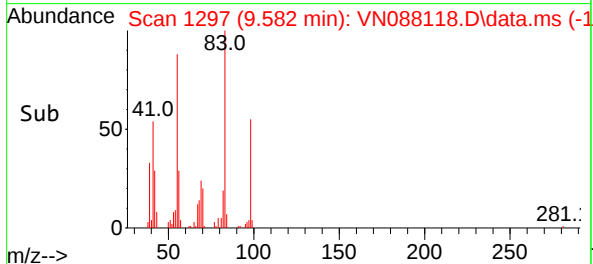
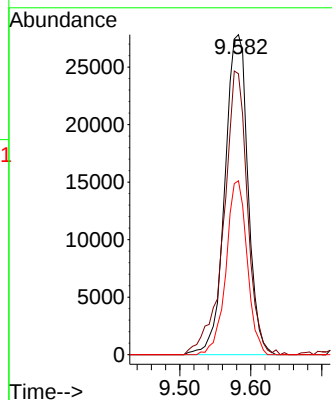
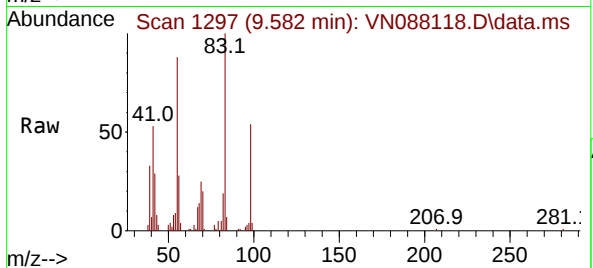
Tgt Ion: 83 Resp: 62812

Ion Ratio Lower Upper

83 100

55 87.8 64.6 96.8

98 54.3 38.4 57.6



#40

Benzene

Concen: 60.961 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN088118.D

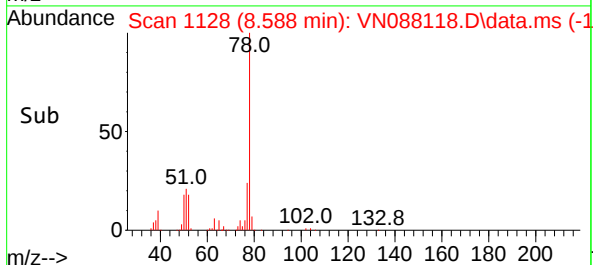
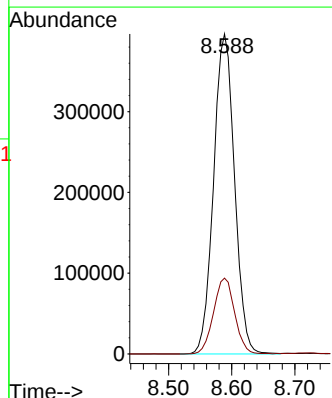
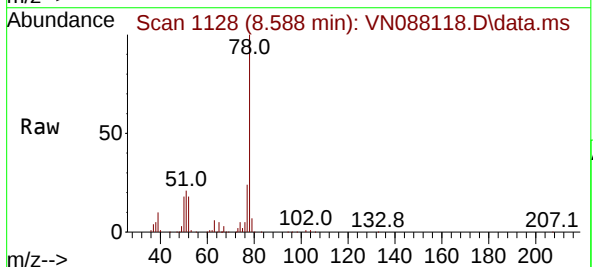
Acq: 27 Oct 2025 16:37

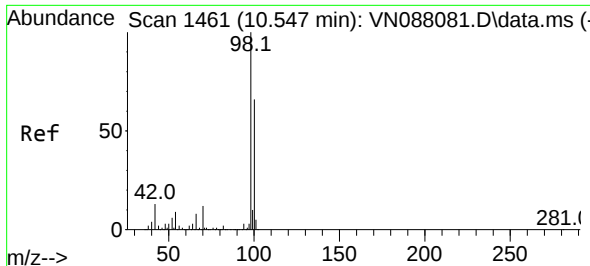
Tgt Ion: 78 Resp: 912139

Ion Ratio Lower Upper

78 100

77 23.7 19.7 29.5

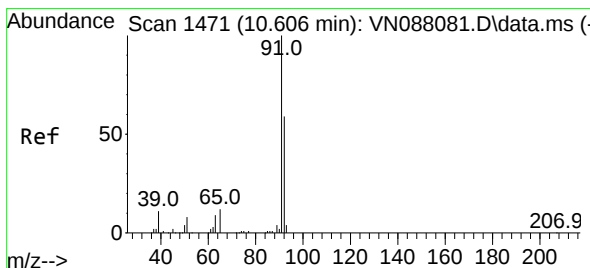
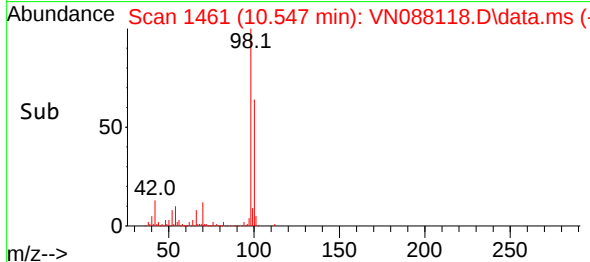
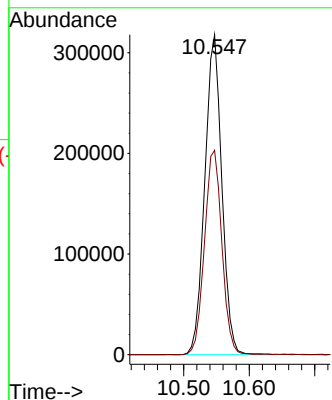
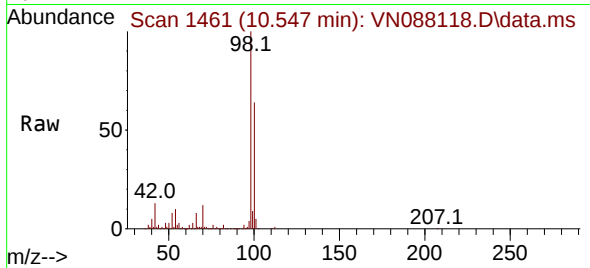




#50
Toluene-d8
Concen: 44.353 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

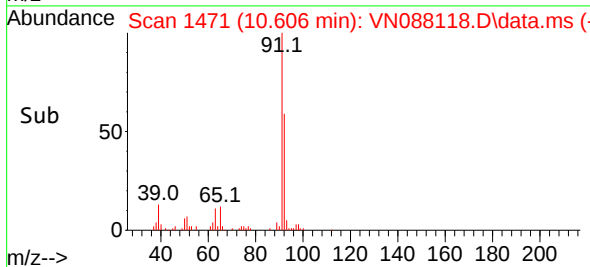
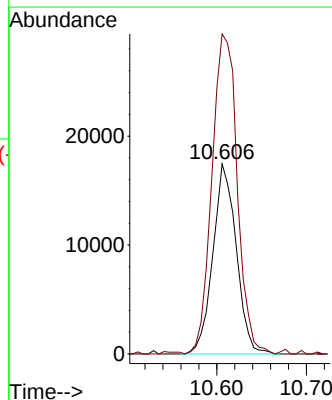
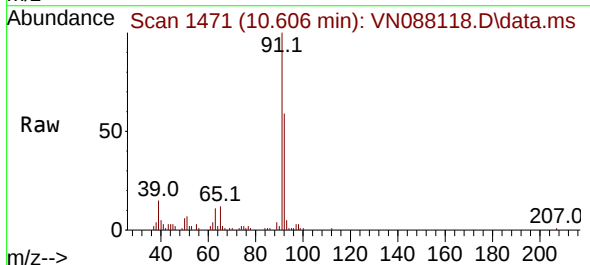
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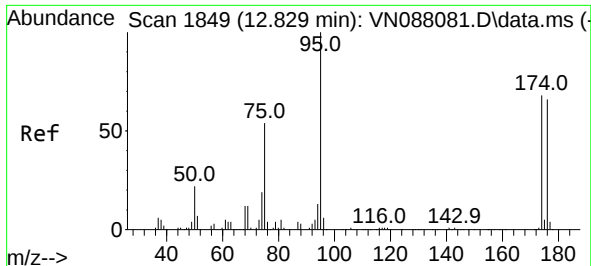
Tgt Ion: 98 Resp: 575060
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#52
Toluene
Concen: 3.414 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 92 Resp: 31494
Ion Ratio Lower Upper
92 100
91 182.6 140.4 210.6

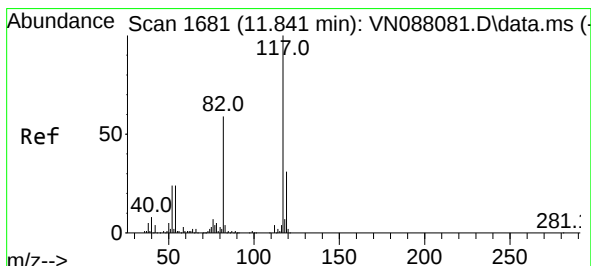
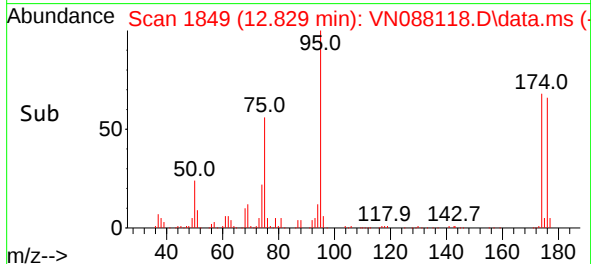
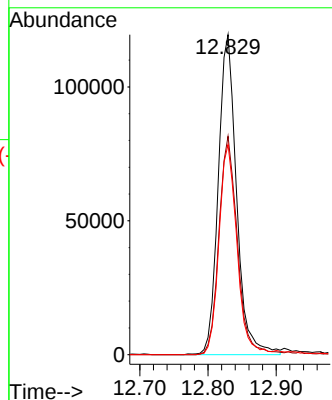
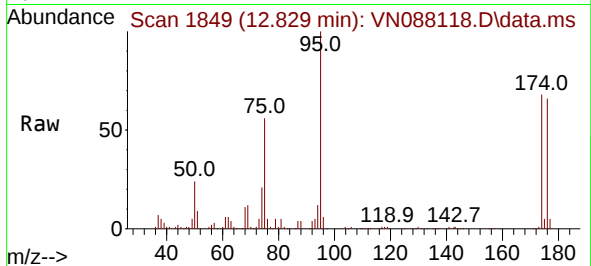




#62
4-Bromofluorobenzene
Concen: 48.867 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

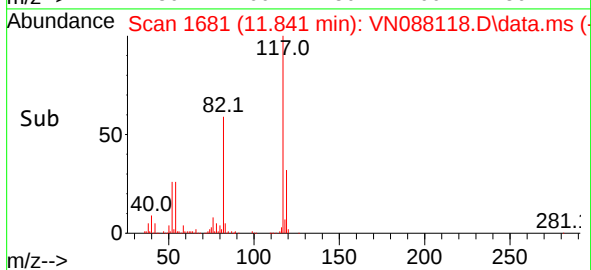
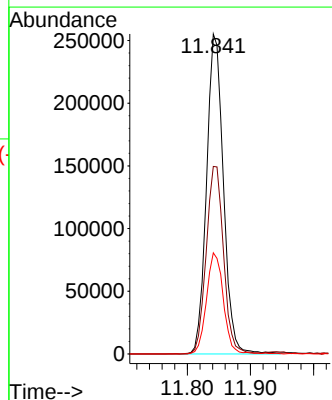
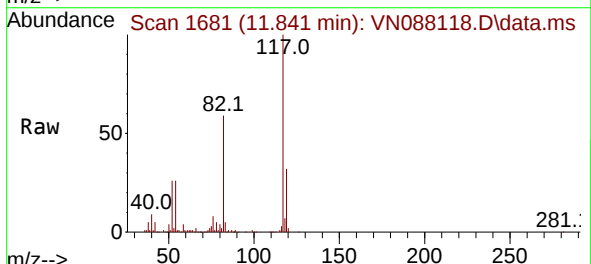
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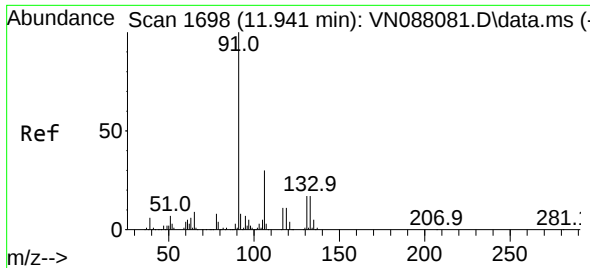
Tgt Ion: 95 Resp: 223758
Ion Ratio Lower Upper
95 100
174 68.5 0.0 138.4
176 64.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 117 Resp: 474497
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.6 24.3 36.5

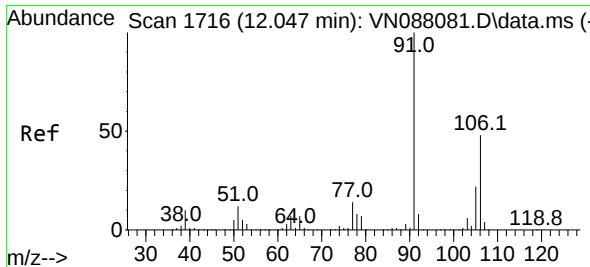
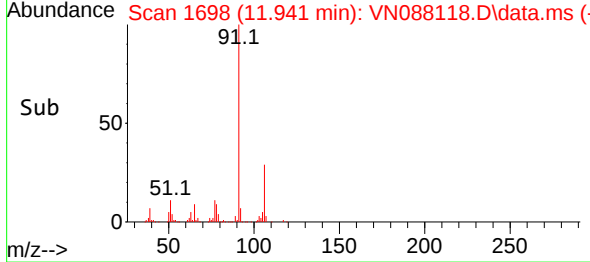
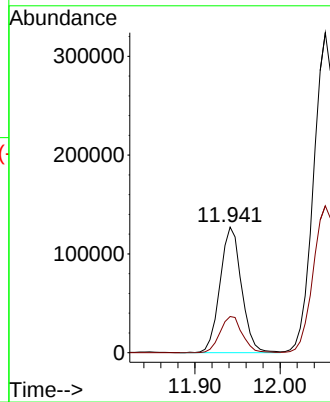
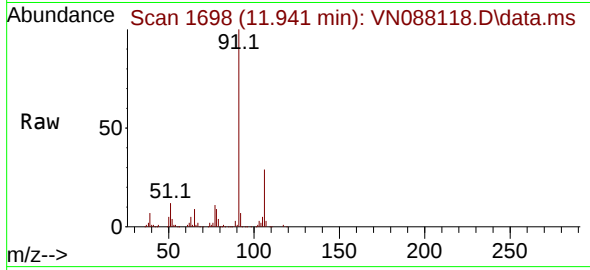




#67
Ethyl Benzene
Concen: 11.802 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

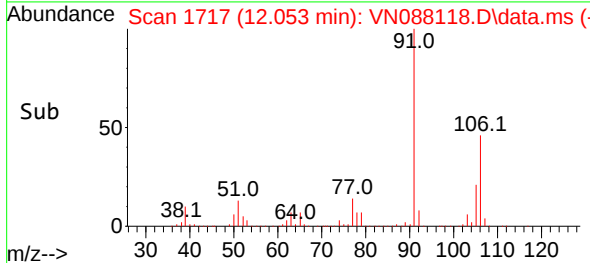
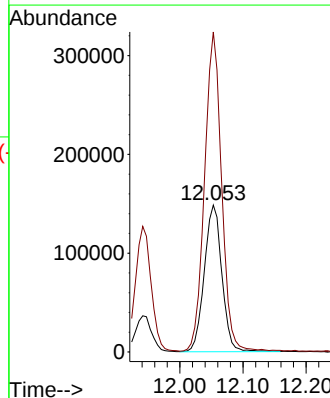
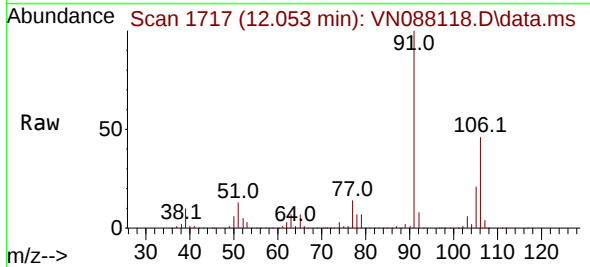
Instrument :
MSVOA_N
ClientSampleId :
TWP3

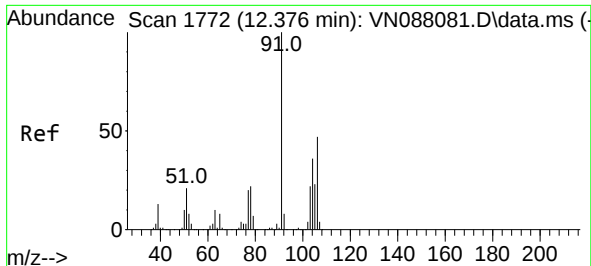
Tgt Ion: 91 Resp: 223201
Ion Ratio Lower Upper
91 100
106 28.8 24.1 36.1



#68
m/p-Xylenes
Concen: 40.549 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:106 Resp: 287334
Ion Ratio Lower Upper
106 100
91 211.5 169.3 253.9

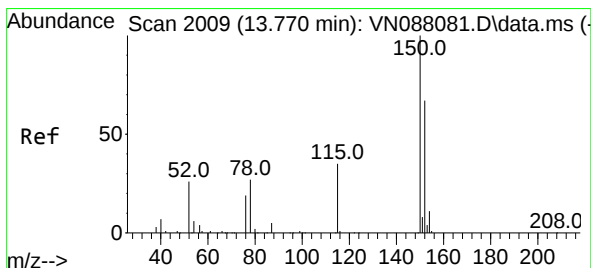
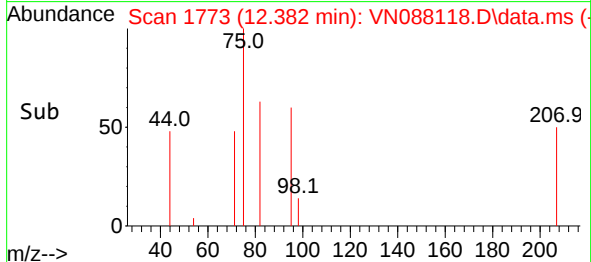
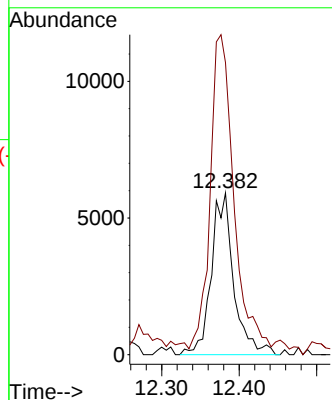
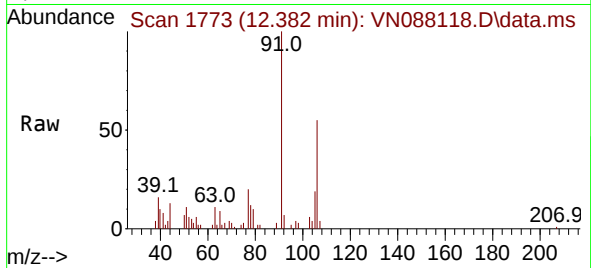




#69
o-Xylene
Concen: 1.767 ug/l
RT: 12.382 min Scan# 1772
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

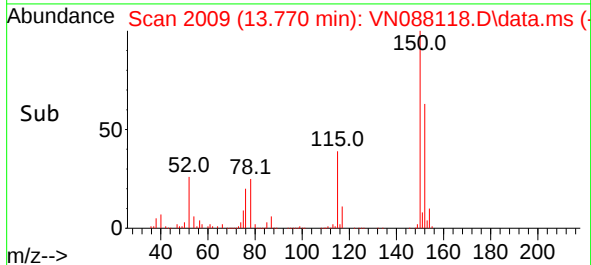
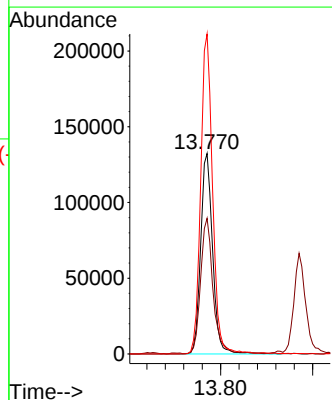
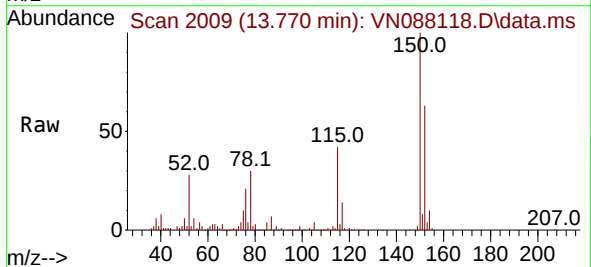
Instrument :
MSVOA_N
ClientSampleId :
TWP3

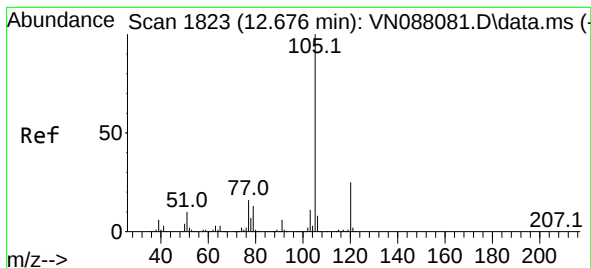
Tgt Ion:106 Resp: 11867
Ion Ratio Lower Upper
106 100
91 202.1 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:152 Resp: 239267
Ion Ratio Lower Upper
152 100
115 69.7 32.3 96.8
150 158.1 0.0 351.0





#73

Isopropylbenzene

Concen: 2.915 ug/l

RT: 12.671 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VN088118.D

Acq: 27 Oct 2025 16:37

Instrument :

MSVOA_N

ClientSampleId :

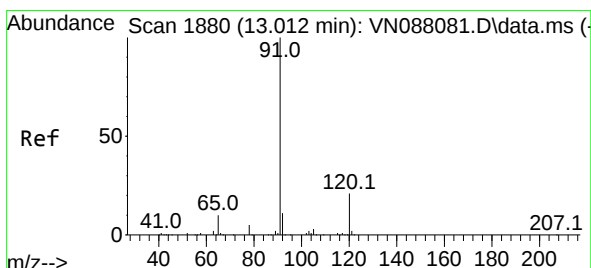
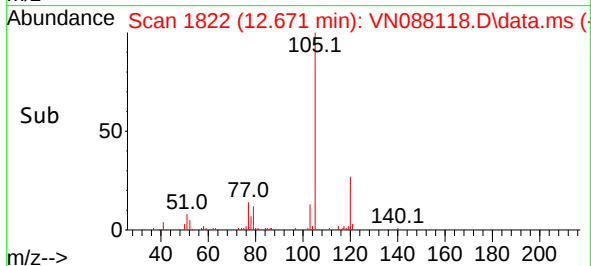
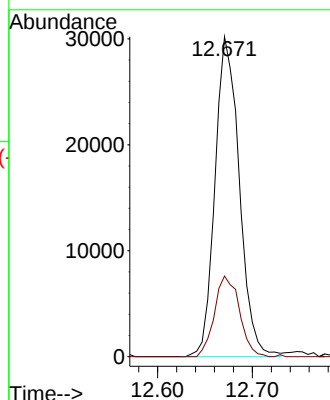
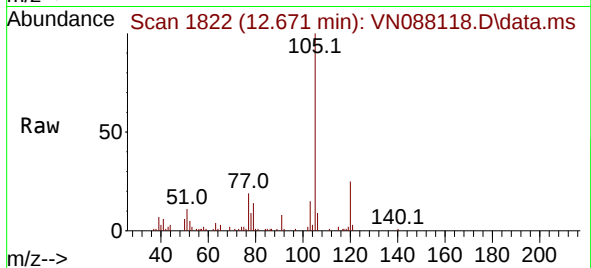
TWP3

Tgt Ion:105 Resp: 53797

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#78

n-propylbenzene

Concen: 6.292 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088118.D

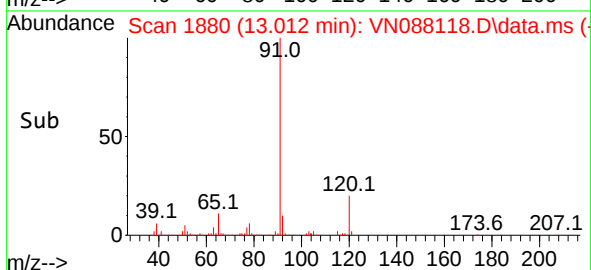
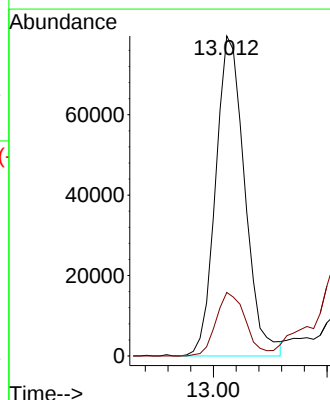
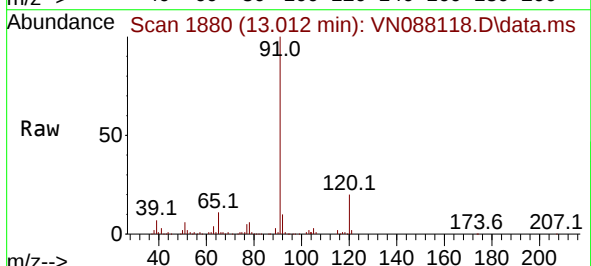
Acq: 27 Oct 2025 16:37

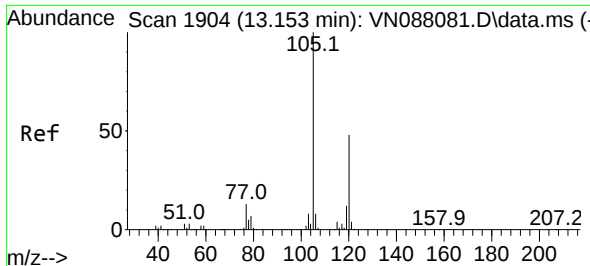
Tgt Ion: 91 Resp: 141707

Ion Ratio Lower Upper

91 100

120 20.0 10.7 32.1

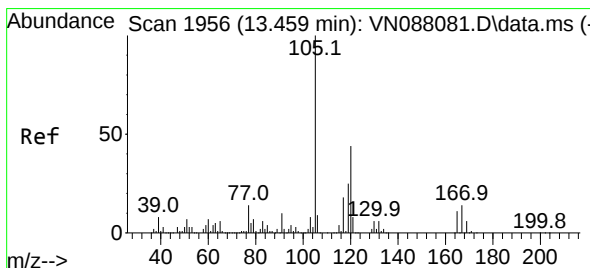
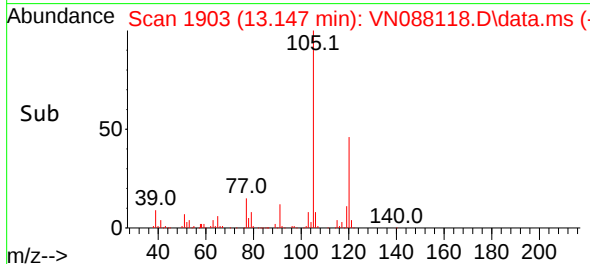
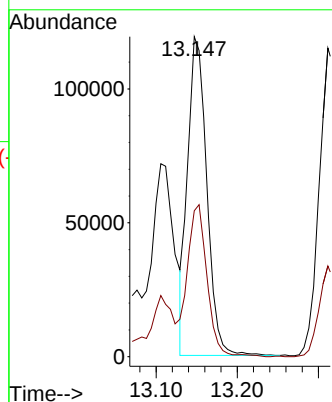
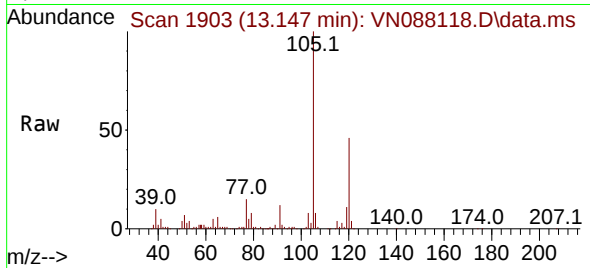




#80
1,3,5-Trimethylbenzene
Concen: 12.751 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

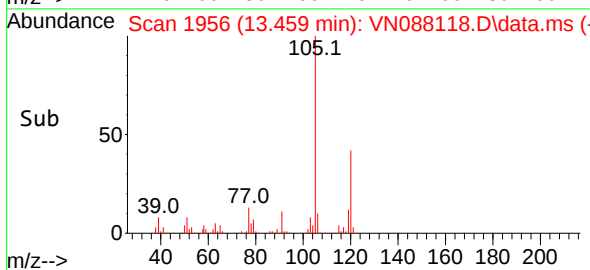
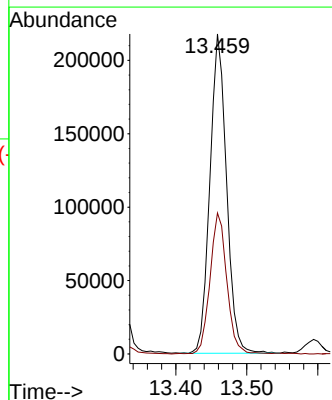
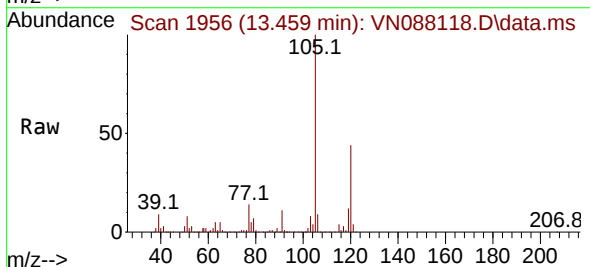
Instrument :
MSVOA_N
ClientSampleId :
TWP3

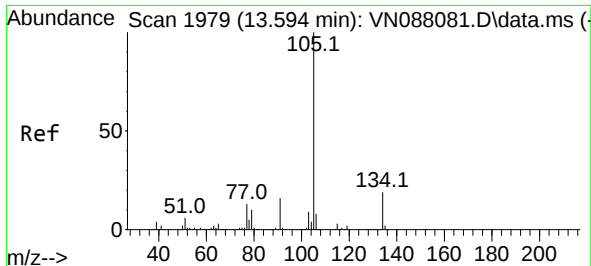
Tgt Ion:105 Resp: 195431
Ion Ratio Lower Upper
105 100
120 50.4 23.2 69.6



#84
1,2,4-Trimethylbenzene
Concen: 23.074 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:105 Resp: 353818
Ion Ratio Lower Upper
105 100
120 44.6 22.0 66.0

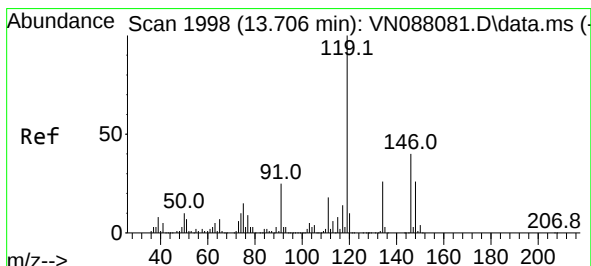
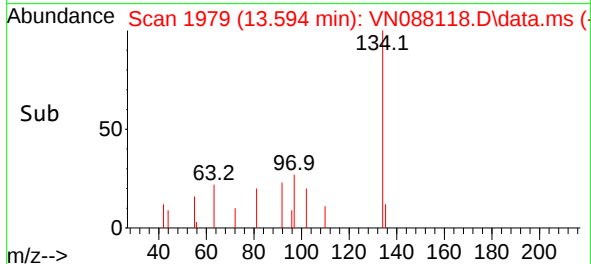
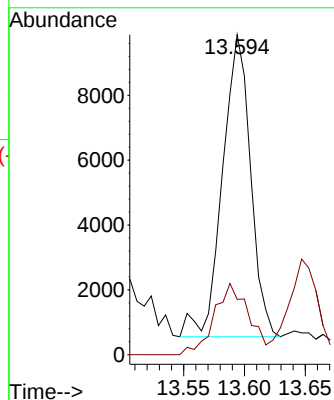
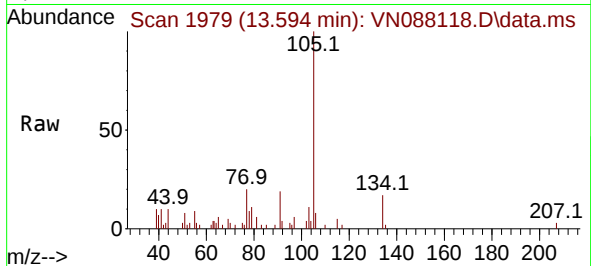




#85
 sec-Butylbenzene
 Concen: 0.745 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088118.D
 Acq: 27 Oct 2025 16:37

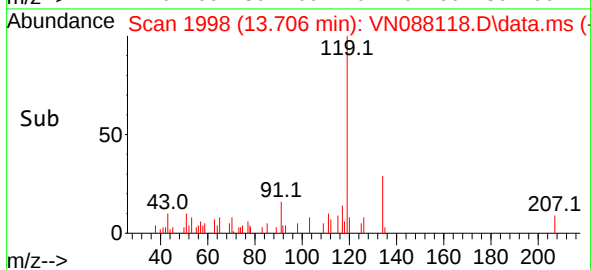
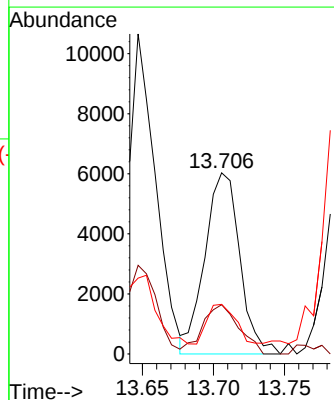
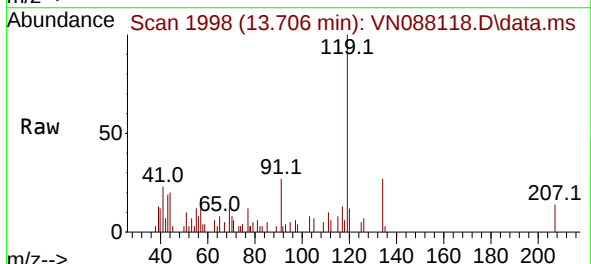
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP3

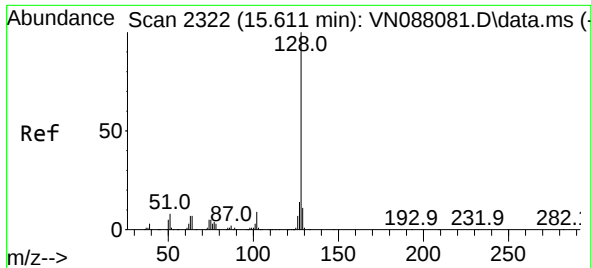
Tgt Ion:105 Resp: 14978
 Ion Ratio Lower Upper
 105 100
 134 28.8 9.6 28.6#



#86
 p-Isopropyltoluene
 Concen: 0.639 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088118.D
 Acq: 27 Oct 2025 16:37

Tgt Ion:119 Resp: 10319
 Ion Ratio Lower Upper
 119 100
 134 28.3 12.7 38.0
 91 17.6 12.5 37.5





#95
Naphthalene
Concen: 16.878 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:128 Resp: 268146
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.0 8.6 12.8

