

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088144.D
 Acq On : 28 Oct 2025 16:45
 Operator : JC\MD
 Sample : Q3468-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Quant Time: Oct 29 02:28:43 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)

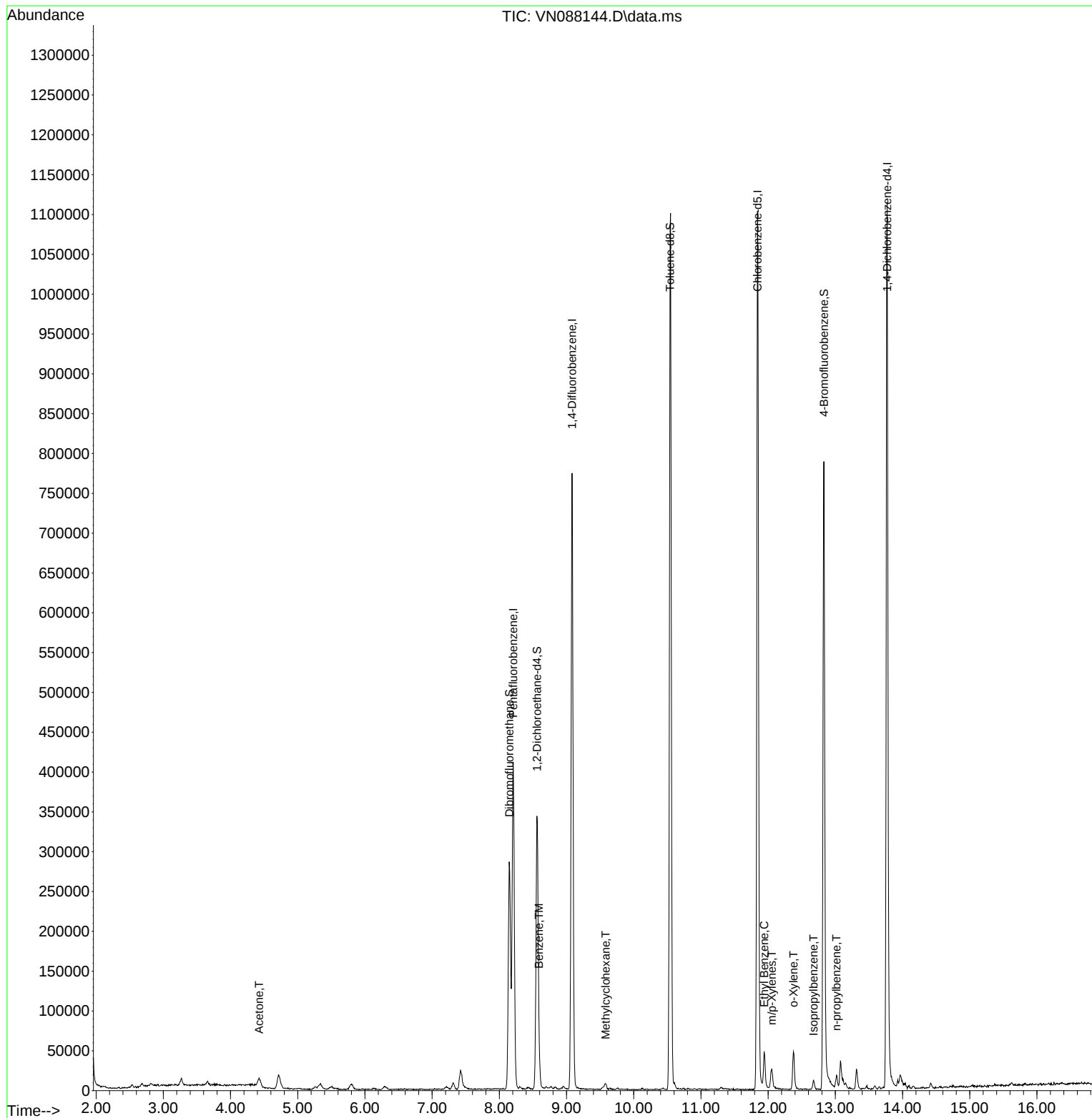
Internal Standards						
1) Pentafluorobenzene	8.206	168	272421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	624999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	602609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	297174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	285178	60.538	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.080%	
35) Dibromofluoromethane	8.147	113	201956	48.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.200%	
50) Toluene-d8	10.541	98	740114	45.746	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.500%	
62) 4-Bromofluorobenzene	12.829	95	297264	52.027	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.060%	
Target Compounds						Qvalue
16) Acetone	4.424	43	19760	8.350	ug/l	99
39) Methylcyclohexane	9.583	83	3157	0.401	ug/l	92
40) Benzene	8.588	78	24537	1.314	ug/l	94
67) Ethyl Benzene	11.941	91	32622	1.358	ug/l	92
68) m/p-Xylenes	12.053	106	8934	0.993	ug/l	93
69) o-Xylene	12.376	106	15597	1.828	ug/l	95
73) Isopropylbenzene	12.676	105	8402	0.367	ug/l	95
78) n-propylbenzene	13.018	91	14020	0.501	ug/l	95

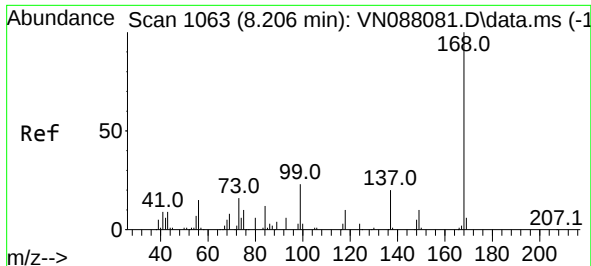
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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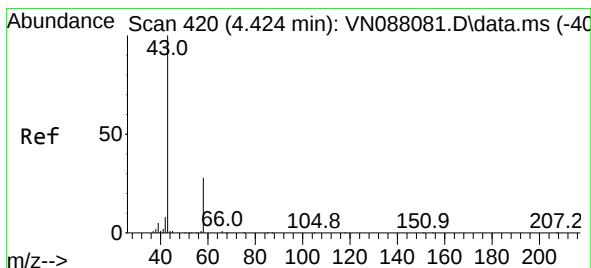
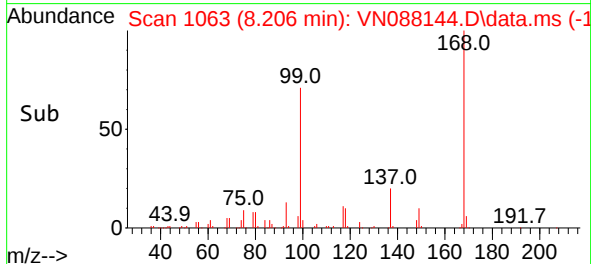
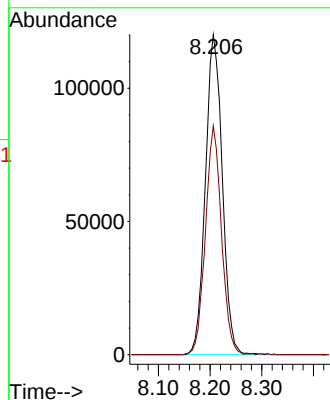
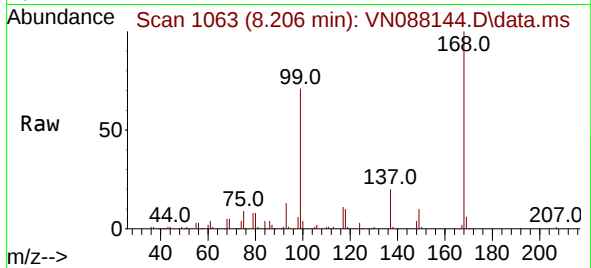




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

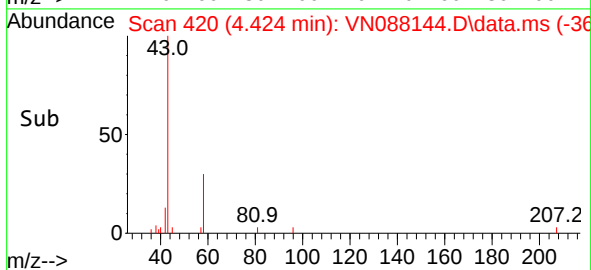
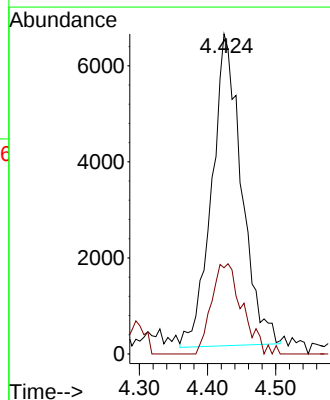
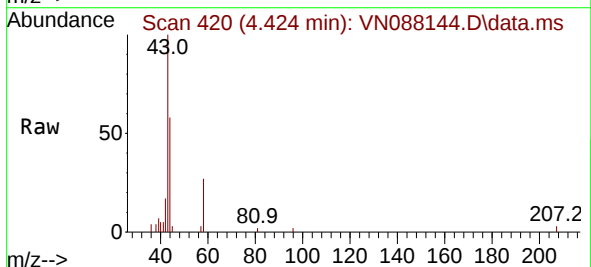
Instrument :
MSVOA_N
ClientSampleId :
MW-13

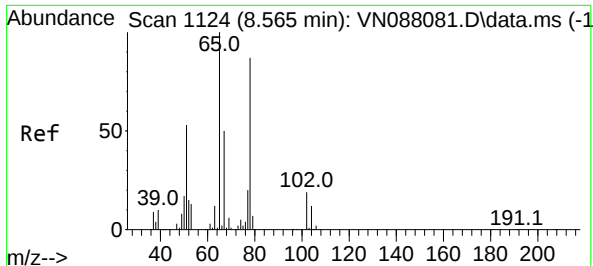
Tgt Ion:168 Resp: 272421
Ion Ratio Lower Upper
168 100
99 71.5 57.2 85.8



#16
Acetone
Concen: 8.350 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion: 43 Resp: 19760
Ion Ratio Lower Upper
43 100
58 27.9 22.6 33.8





#33

1,2-Dichloroethane-d4

Concen: 60.538 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088144.D

Acq: 28 Oct 2025 16:45

Instrument :

MSVOA_N

ClientSampleId :

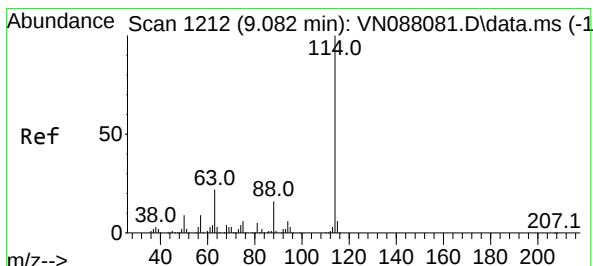
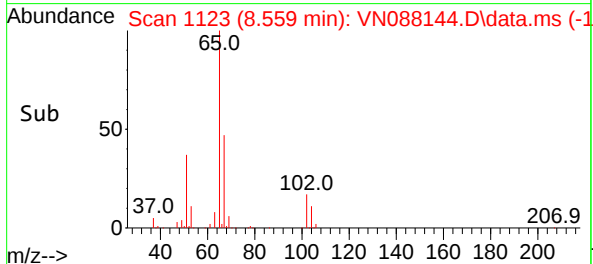
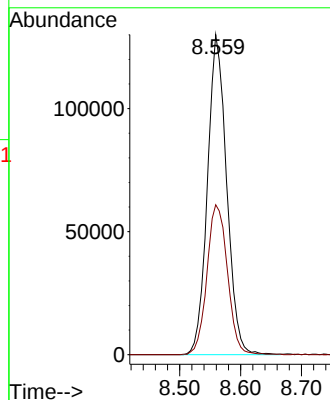
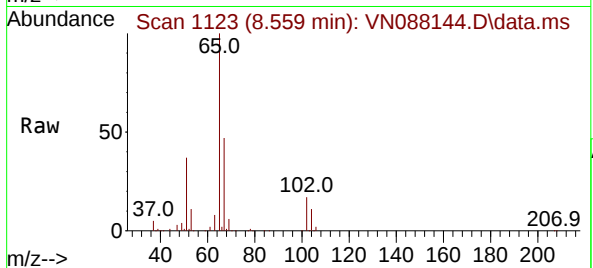
MW-13

Tgt Ion: 65 Resp: 285178

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088144.D

Acq: 28 Oct 2025 16:45

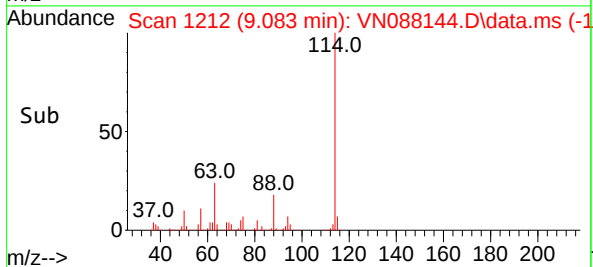
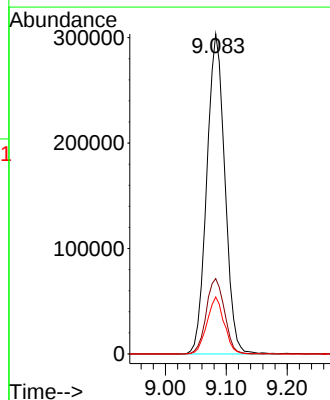
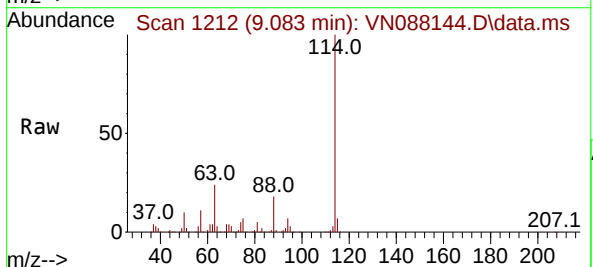
Tgt Ion: 114 Resp: 624999

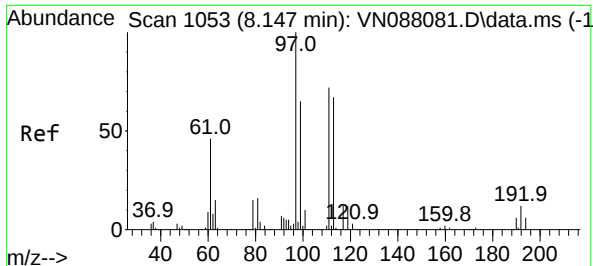
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 17.8 0.0 33.4

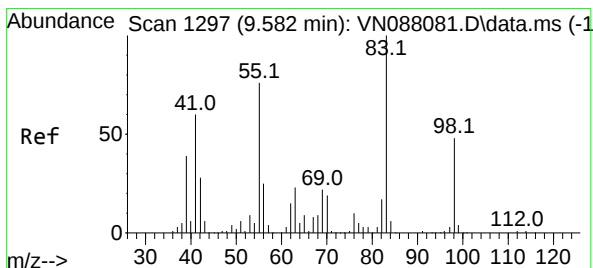
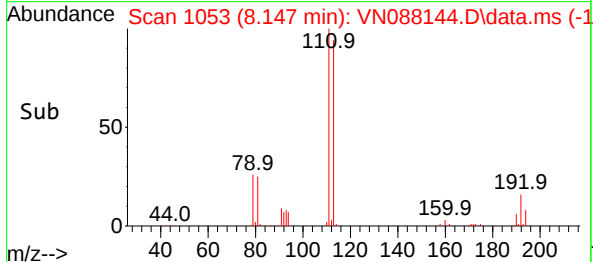
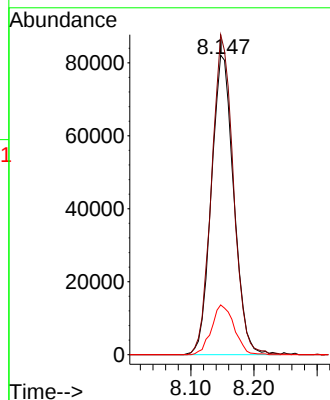
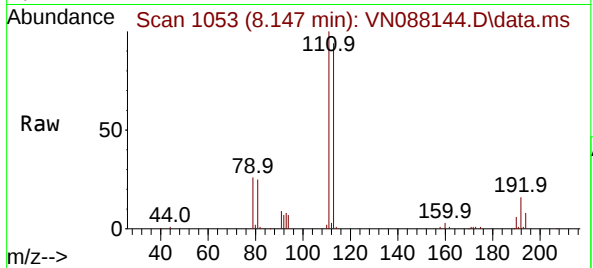




#35
Dibromofluoromethane
Concen: 48.099 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

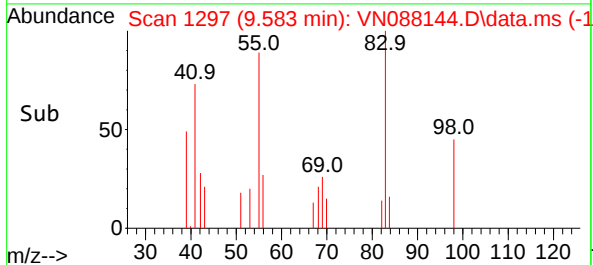
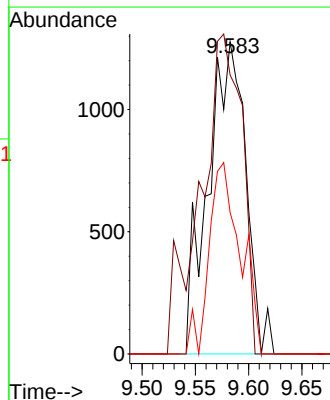
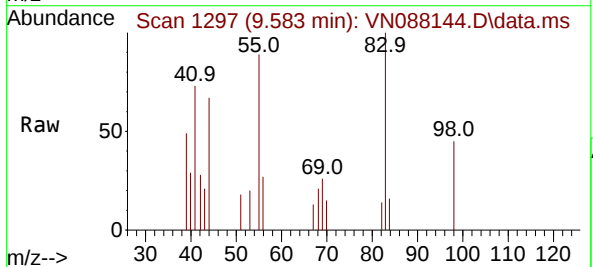
Instrument :
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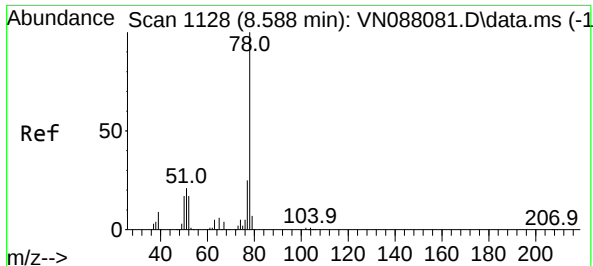
Tgt Ion:113 Resp: 201956
Ion Ratio Lower Upper
113 100
111 104.2 82.8 124.2
192 16.8 12.8 19.2



#39
Methylcyclohexane
Concen: 0.401 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion: 83 Resp: 3157
Ion Ratio Lower Upper
83 100
55 89.4 64.6 96.8
98 45.3 38.4 57.6

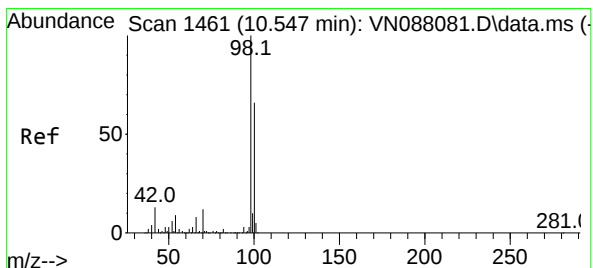
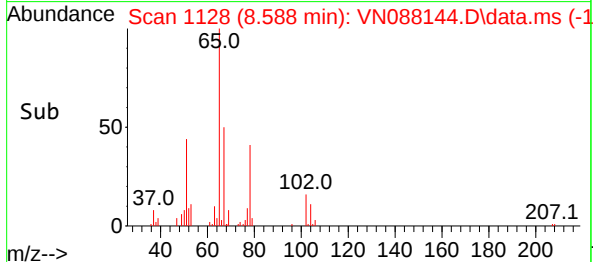
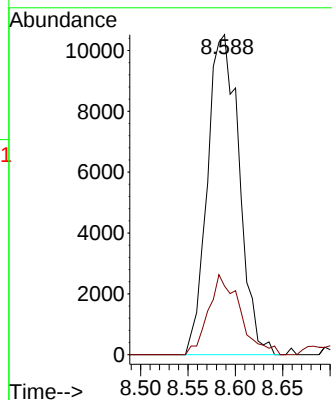
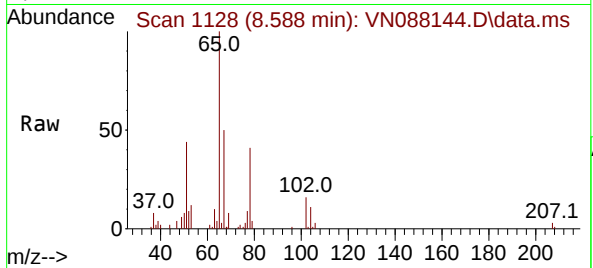




#40
Benzene
Concen: 1.314 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

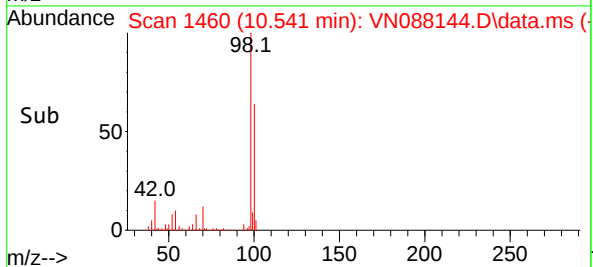
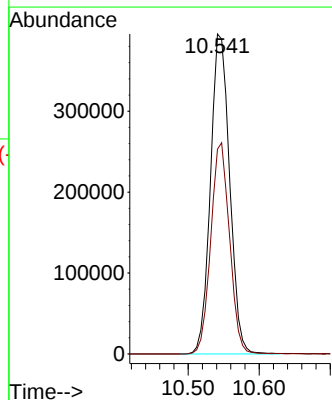
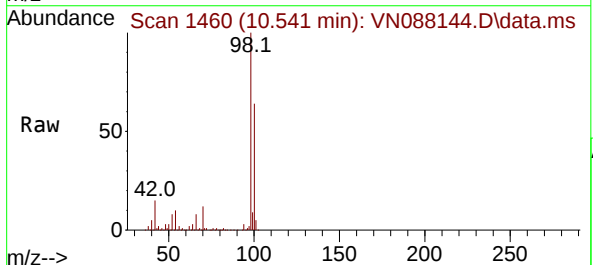
Instrument :
MSVOA_N
ClientSampleId :
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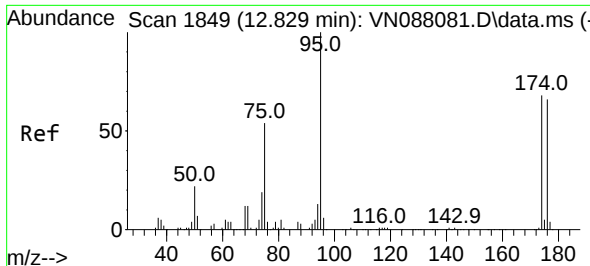
Tgt Ion: 78 Resp: 24537
Ion Ratio Lower Upper
78 100
77 21.4 19.7 29.5



#50
Toluene-d8
Concen: 45.746 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion: 98 Resp: 740114
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2

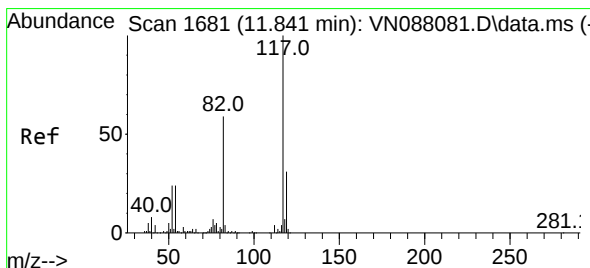
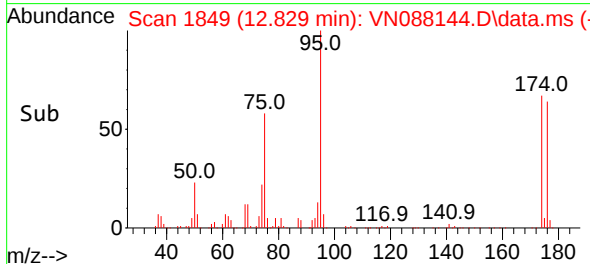
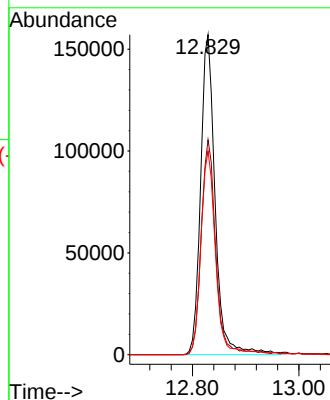
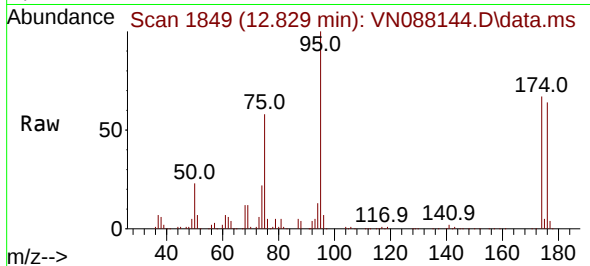




#62
4-Bromofluorobenzene
Concen: 52.027 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

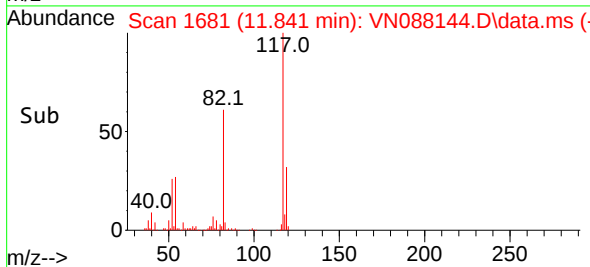
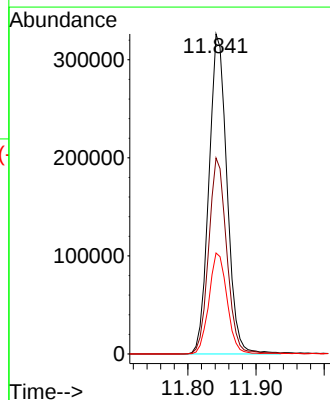
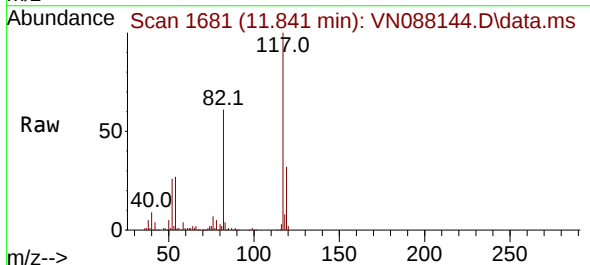
Instrument :
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ClientSampleId :
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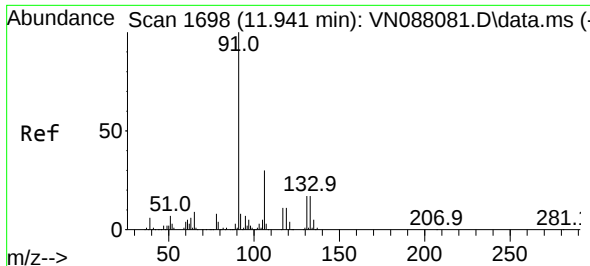
Tgt Ion: 95 Resp: 297264
Ion Ratio Lower Upper
95 100
174 67.4 0.0 138.4
176 64.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion: 117 Resp: 602609
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 31.6 24.3 36.5

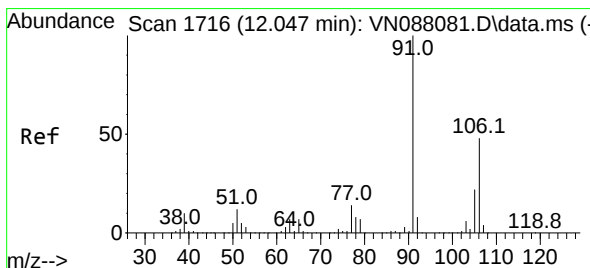
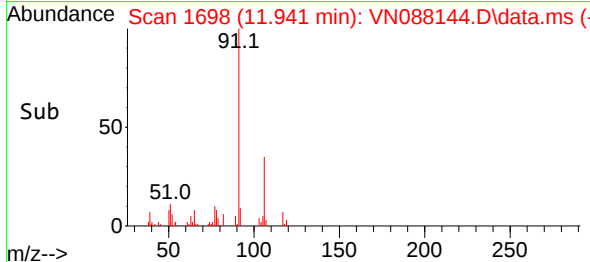
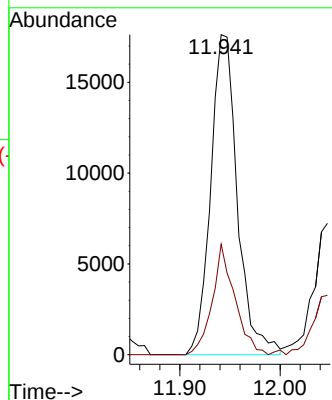
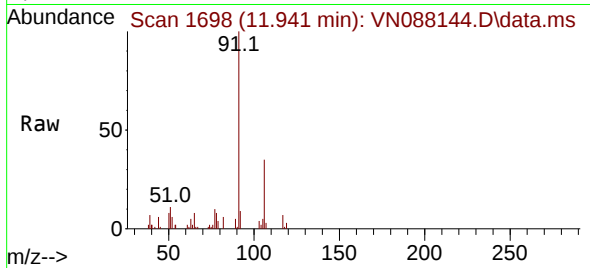




#67
Ethyl Benzene
Concen: 1.358 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

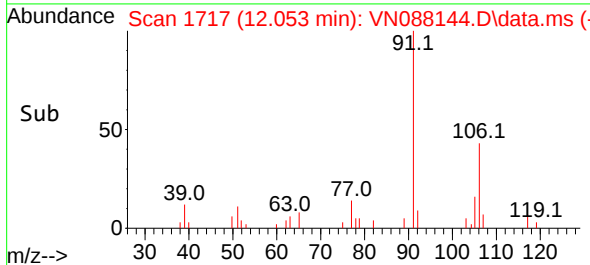
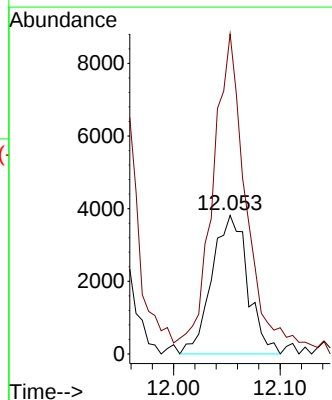
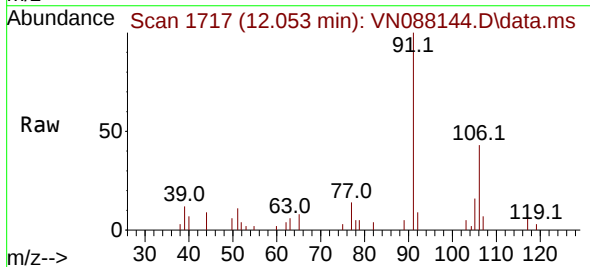
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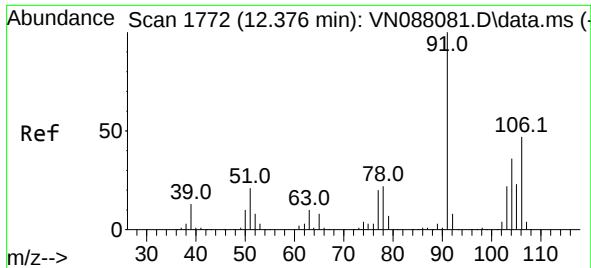
Tgt Ion: 91 Resp: 32622
Ion Ratio Lower Upper
91 100
106 34.6 24.1 36.1



#68
m/p-Xylenes
Concen: 0.993 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion: 106 Resp: 8934
Ion Ratio Lower Upper
106 100
91 221.8 169.3 253.9

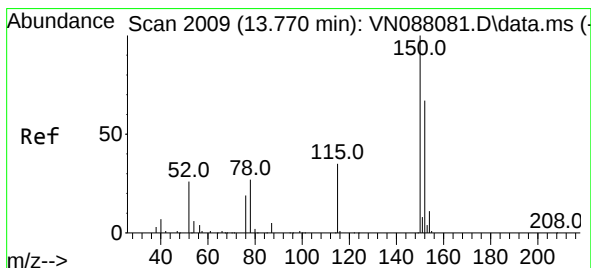
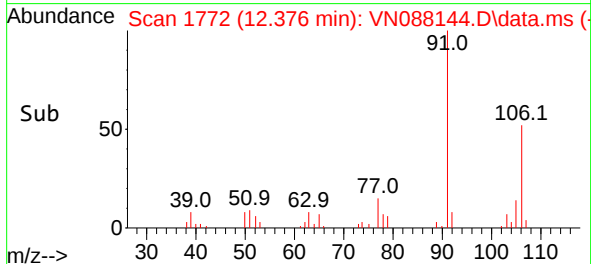
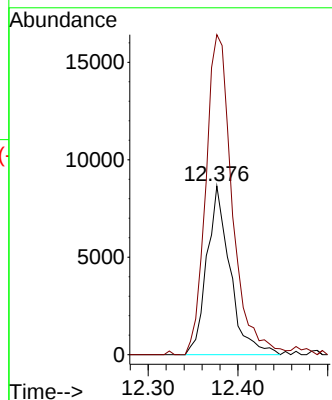
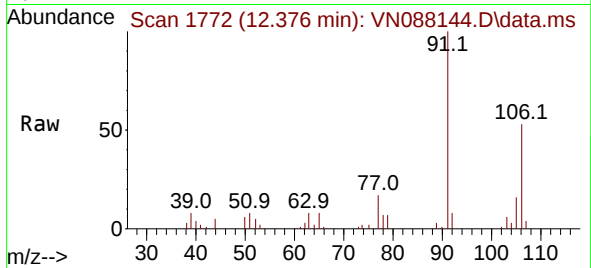




#69
o-Xylene
Concen: 1.828 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

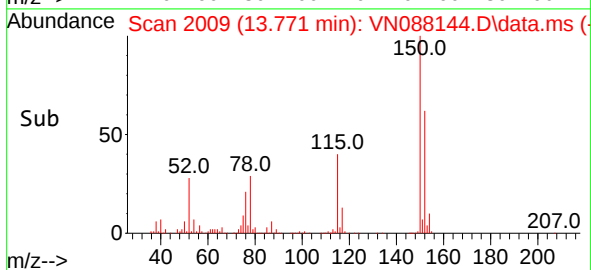
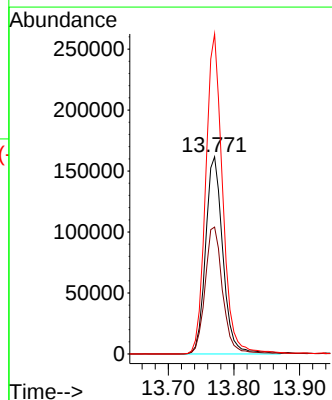
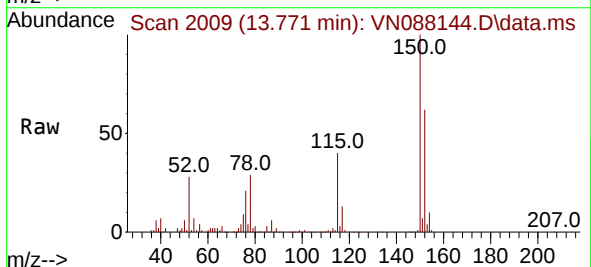
Instrument :
MSVOA_N
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MW-13

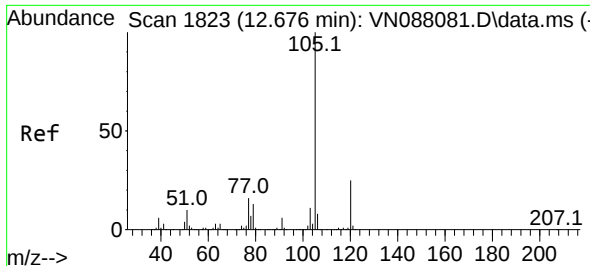
Tgt Ion:106 Resp: 15597
Ion Ratio Lower Upper
106 100
91 215.0 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion:152 Resp: 297174
Ion Ratio Lower Upper
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115 65.9 32.3 96.8
150 158.8 0.0 351.0

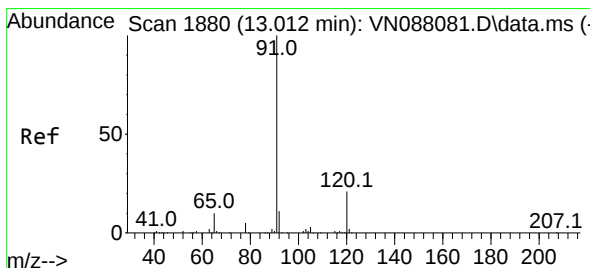
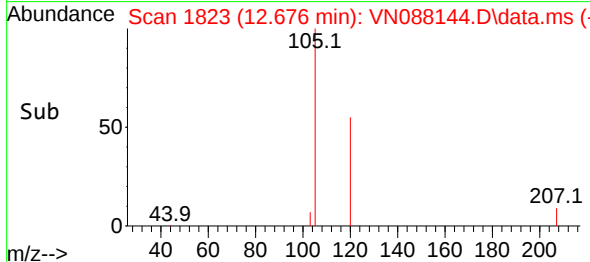
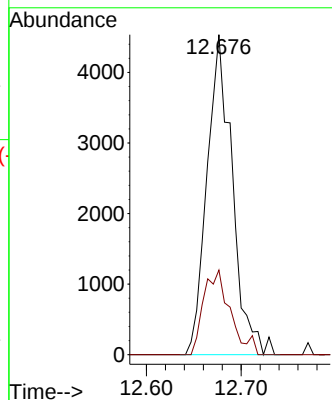
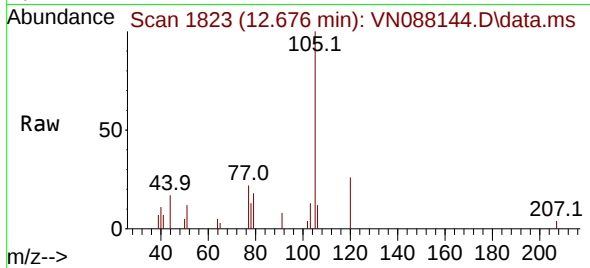




#73
Isopropylbenzene
Concen: 0.367 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW-13

Tgt Ion:105 Resp: 8402
Ion Ratio Lower Upper
105 100
120 27.8 12.8 38.3



#78
n-propylbenzene
Concen: 0.501 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088144.D
Acq: 28 Oct 2025 16:45

Tgt Ion: 91 Resp: 14020
Ion Ratio Lower Upper
91 100
120 19.3 10.7 32.1

