

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087859.D
 Acq On : 16 Sep 2025 18:36
 Operator : JC\MD
 Sample : Q3021-01 200X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 821-B

Quant Time: Sep 17 01:27:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

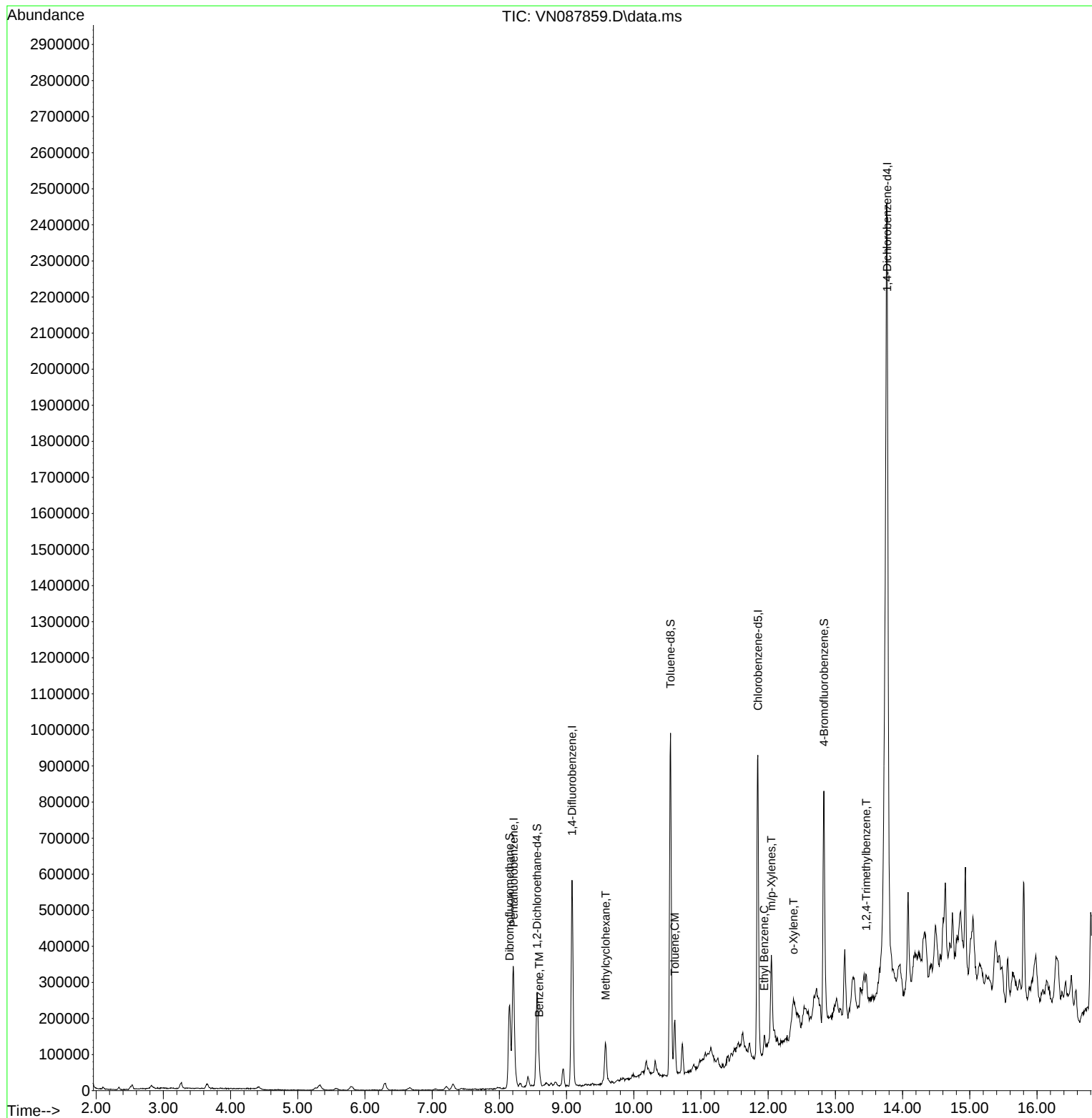
Internal Standards						
1) Pentafluorobenzene	8.212	168	217847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	485158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256678	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	206618	46.291	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.580%
35) Dibromofluoromethane	8.153	113	164104	47.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.640%
50) Toluene-d8	10.547	98	625142	48.166	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.829	95	249786	54.116	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.240%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.582	83	45600	7.786	ug/l	96
40) Benzene	8.594	78	44510	2.728	ug/l	94
52) Toluene	10.612	92	61968	6.126	ug/l	100
67) Ethyl Benzene	11.941	91	35116	1.680	ug/l	# 80
68) m/p-Xylenes	12.047	106	45831	5.980	ug/l	89
69) o-Xylene	12.376	106	15546	2.070	ug/l	67
84) 1,2,4-Trimethylbenzene	13.459	105	42552	2.416	ug/l	90

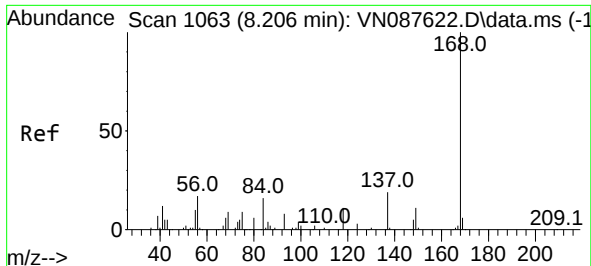
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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821-B

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

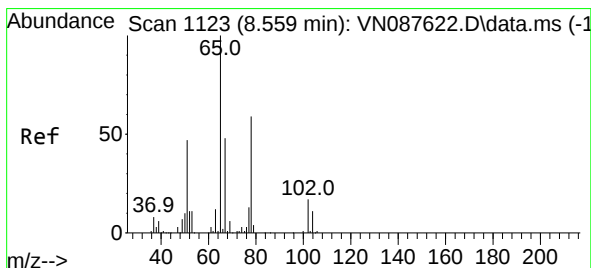
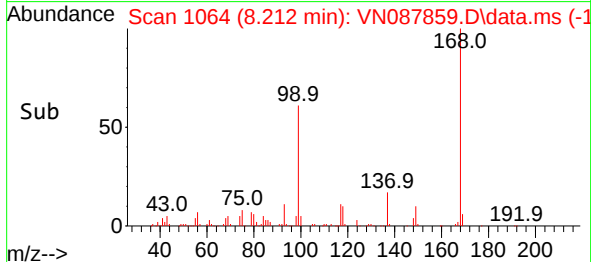
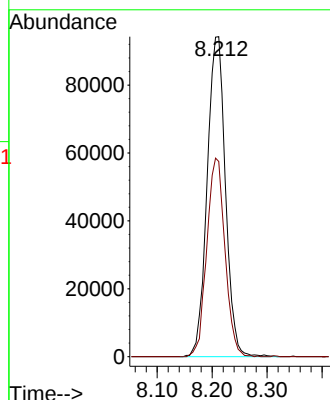
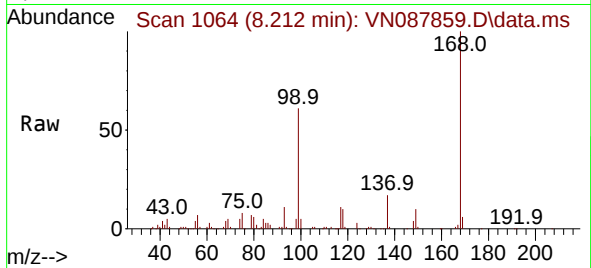




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

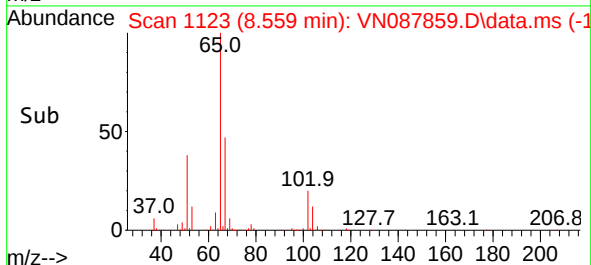
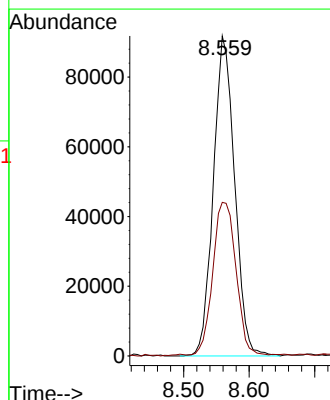
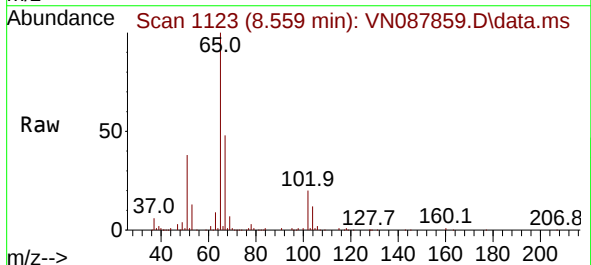
Instrument :
MSVOA_N
ClientSampleId :
821-B

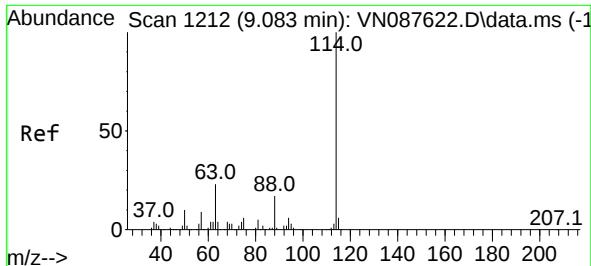
Tgt Ion:168 Resp: 217847
Ion Ratio Lower Upper
168 100
99 61.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 46.291 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

Tgt Ion: 65 Resp: 206618
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.0

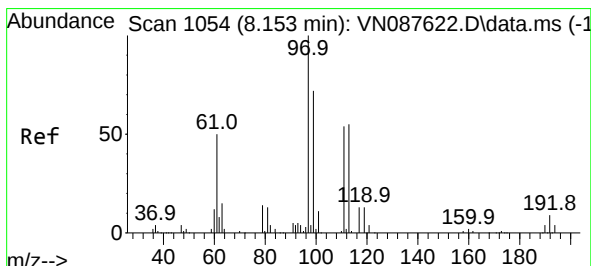
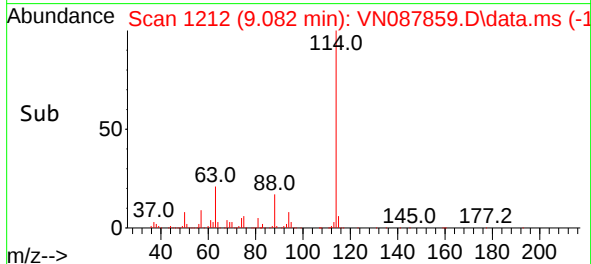
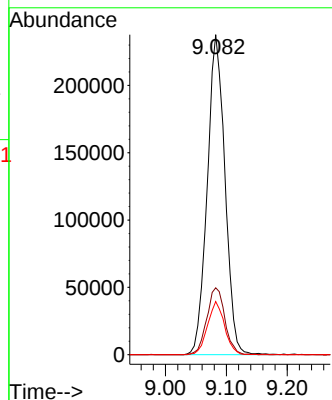
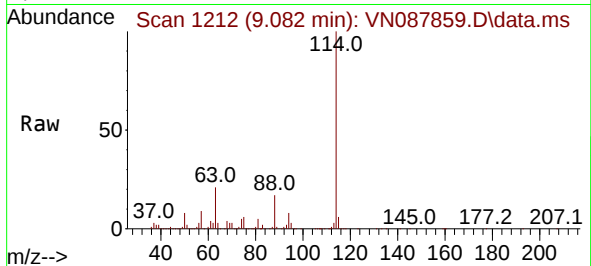




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

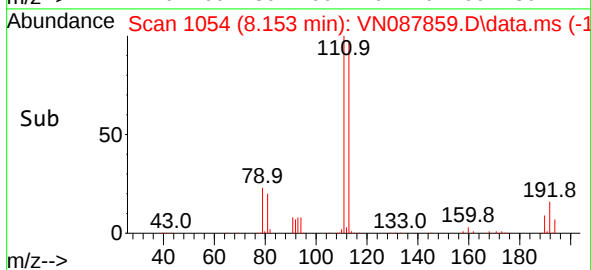
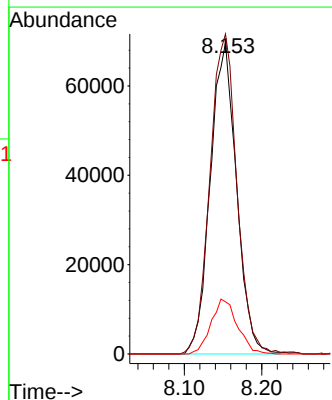
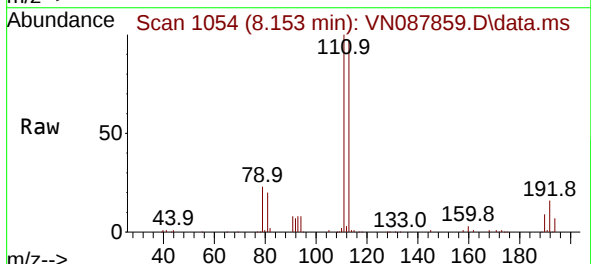
Instrument :
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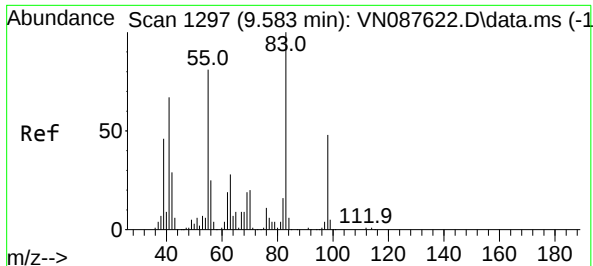
Tgt Ion:114 Resp: 480291
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.2
88 16.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.324 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

Tgt Ion:113 Resp: 164104
Ion Ratio Lower Upper
113 100
111 105.6 82.8 124.2
192 17.7 12.8 19.2





#39

Methylcyclohexane

Concen: 7.786 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN087859.D

Acq: 16 Sep 2025 18:36

Instrument :

MSVOA_N

ClientSampleId :

821-B

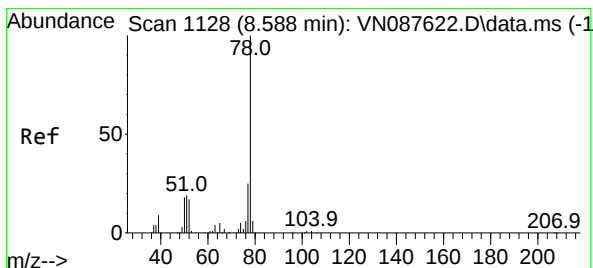
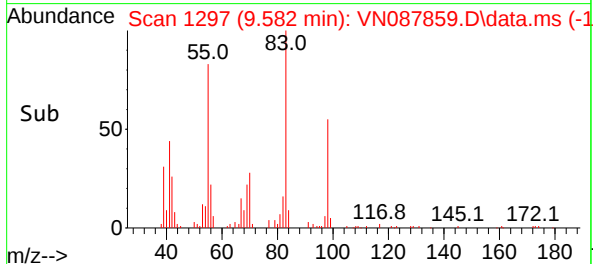
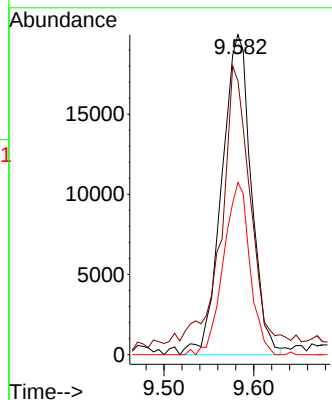
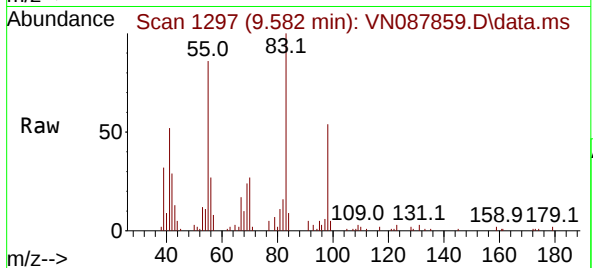
Tgt Ion: 83 Resp: 45600

Ion Ratio Lower Upper

83 100

55 81.2 64.6 96.8

98 53.8 38.4 57.6



#40

Benzene

Concen: 2.728 ug/l

RT: 8.594 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN087859.D

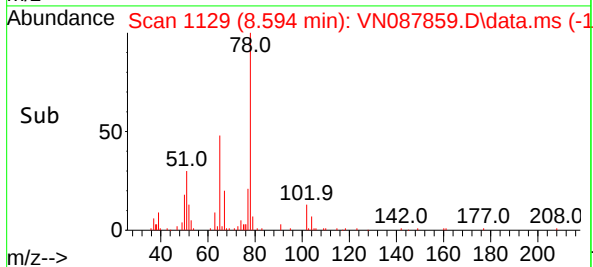
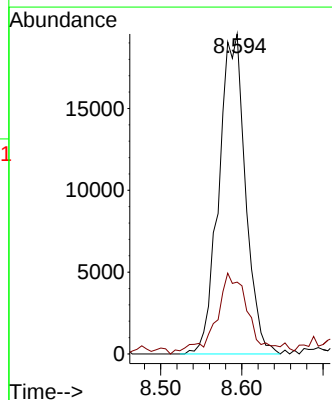
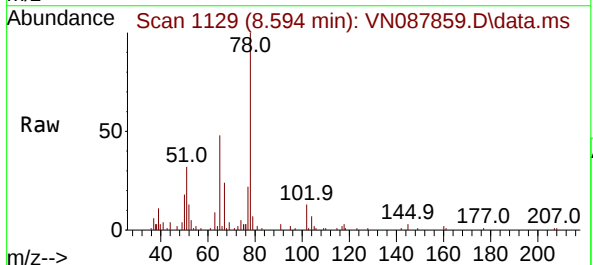
Acq: 16 Sep 2025 18:36

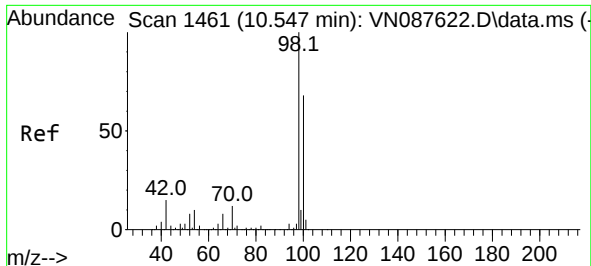
Tgt Ion: 78 Resp: 44510

Ion Ratio Lower Upper

78 100

77 21.5 19.7 29.5

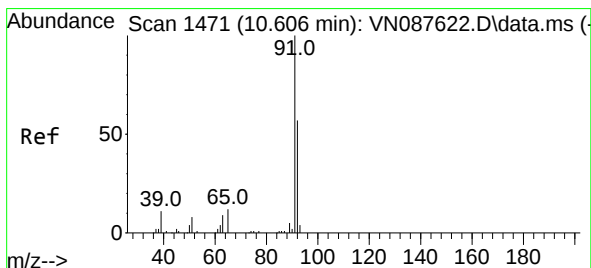
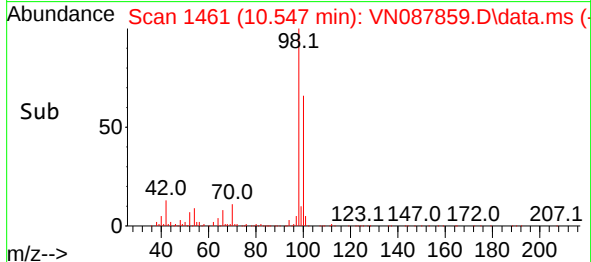
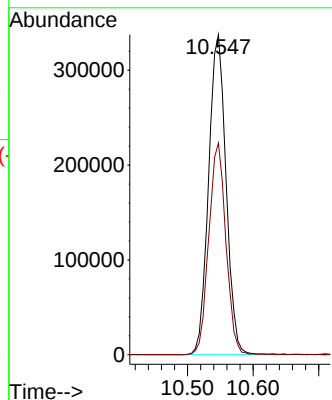
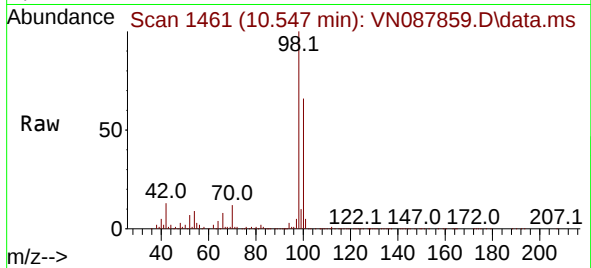




#50
Toluene-d8
Concen: 48.166 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

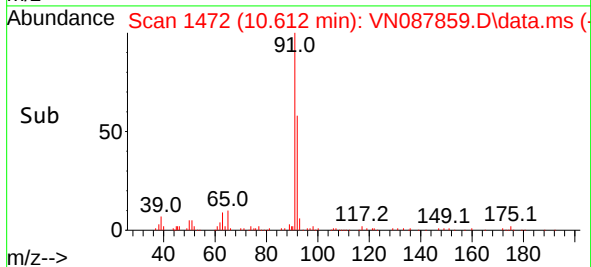
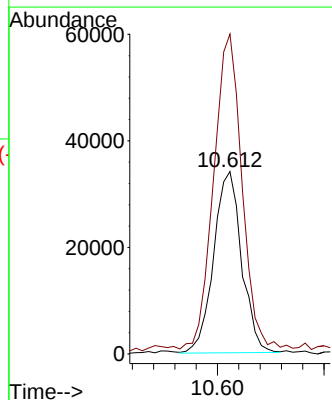
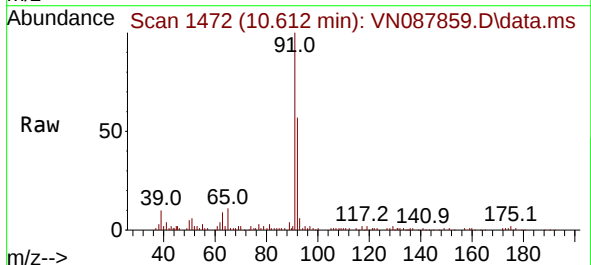
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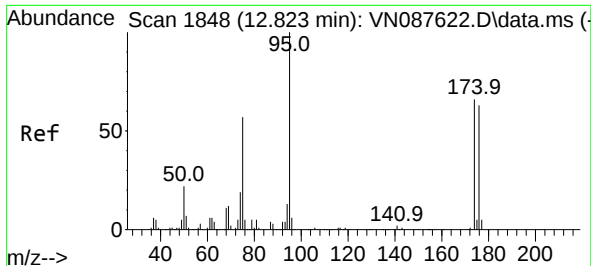
Tgt Ion: 98 Resp: 625142
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#52
Toluene
Concen: 6.126 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

Tgt Ion: 92 Resp: 61968
Ion Ratio Lower Upper
92 100
91 175.1 140.4 210.6

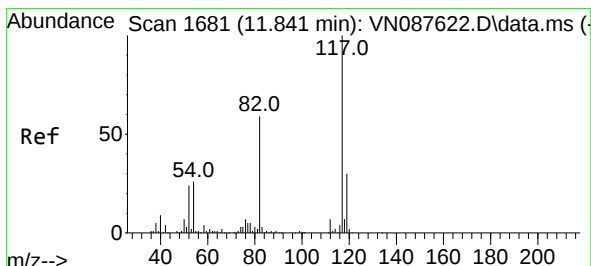
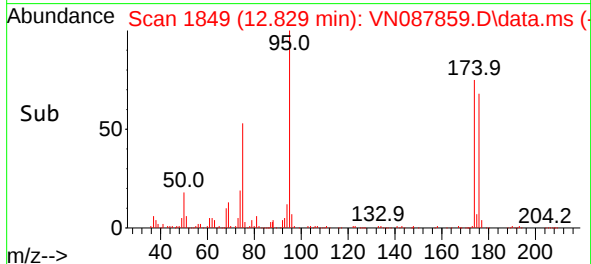
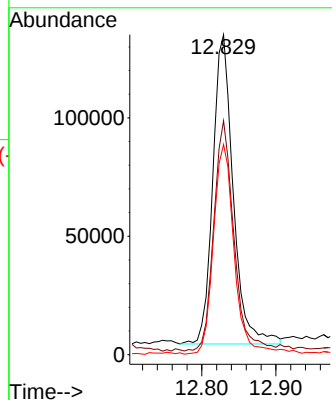
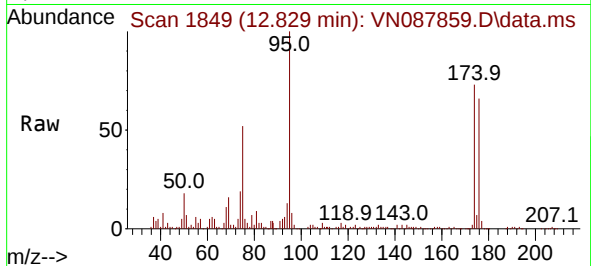




#62
4-Bromofluorobenzene
Concen: 54.116 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

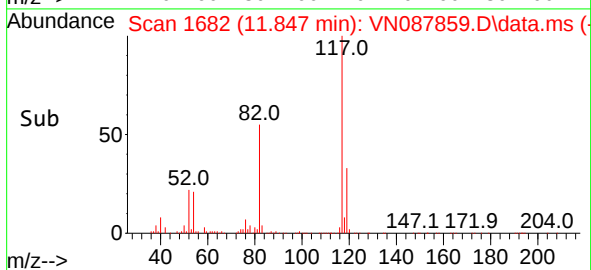
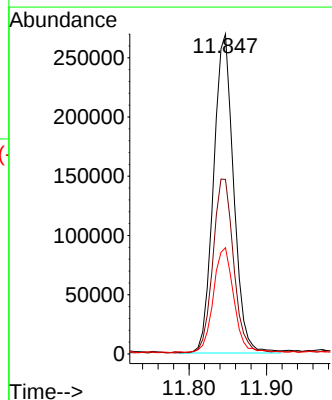
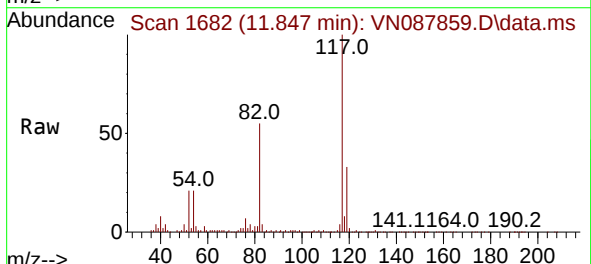
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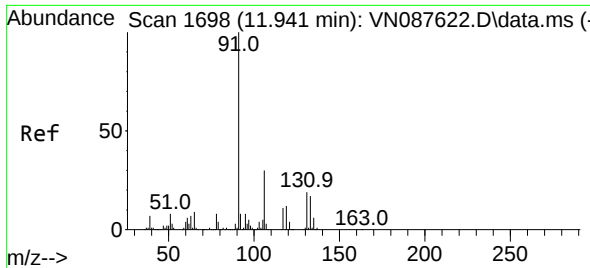
Tgt Ion: 95 Resp: 249786
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.4
176 69.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

Tgt Ion: 117 Resp: 485158
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 32.6 24.3 36.5

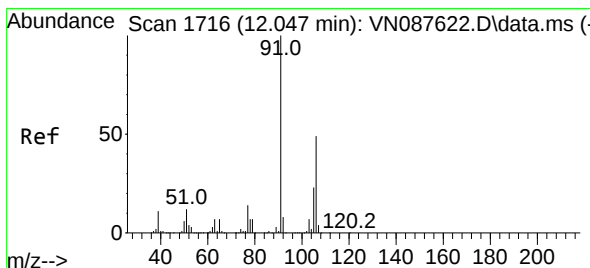
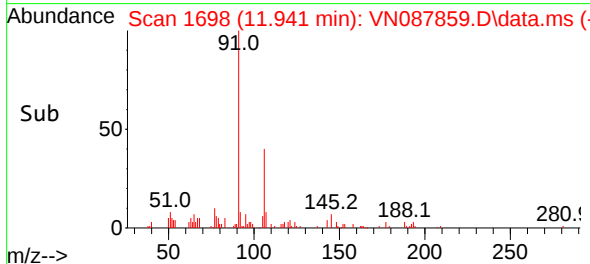
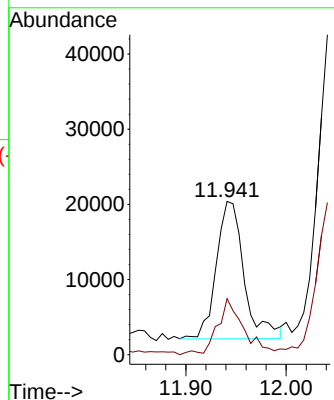
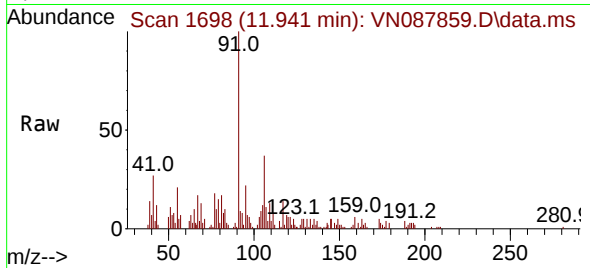




#67
Ethyl Benzene
Concen: 1.680 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

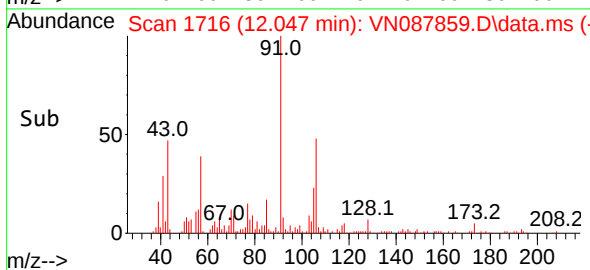
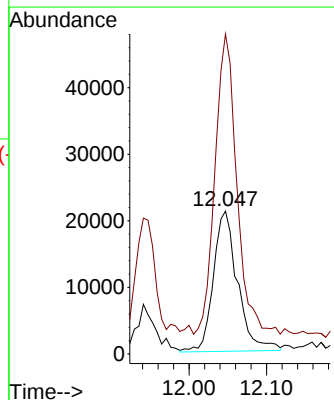
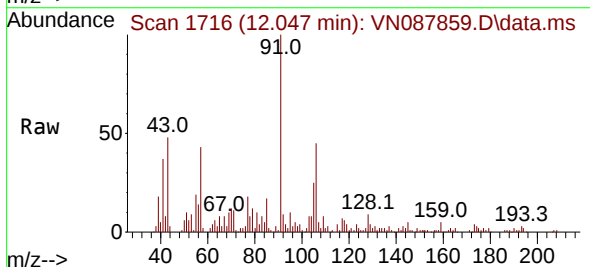
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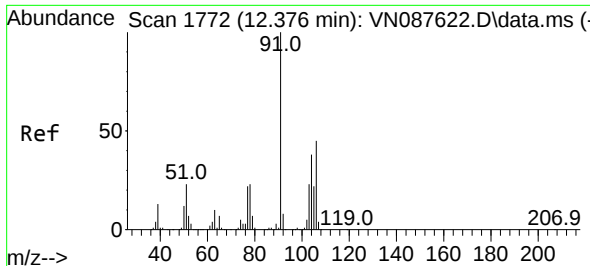
Tgt Ion: 91 Resp: 35116
Ion Ratio Lower Upper
91 100
106 40.8 24.1 36.1#



#68
m/p-Xylenes
Concen: 5.980 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

Tgt Ion:106 Resp: 45831
Ion Ratio Lower Upper
106 100
91 195.0 169.3 253.9

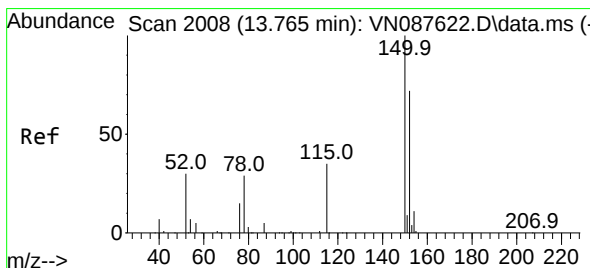
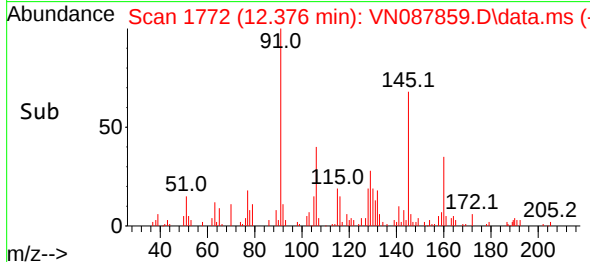
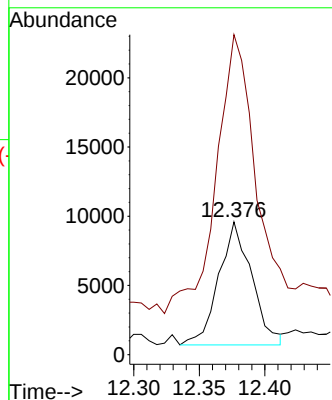
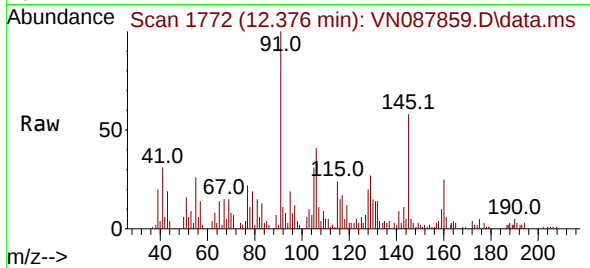




#69
o-Xylene
Concen: 2.070 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

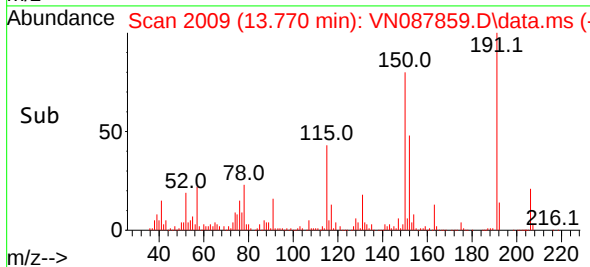
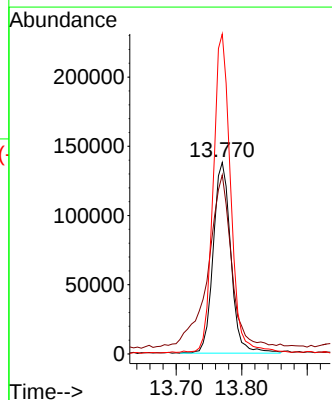
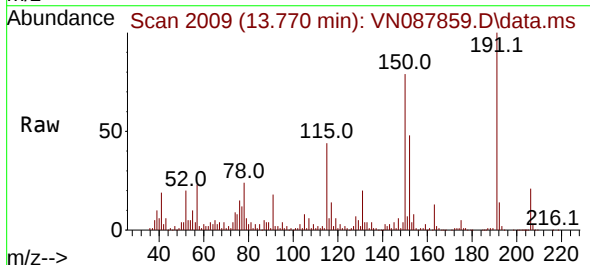
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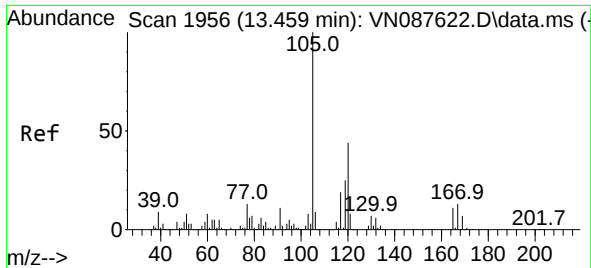
Tgt Ion:106 Resp: 15546
Ion Ratio Lower Upper
106 100
91 275.8 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087859.D
Acq: 16 Sep 2025 18:36

Tgt Ion:152 Resp: 256678
Ion Ratio Lower Upper
152 100
115 118.6 32.3 96.8#
150 165.9 0.0 351.0





#84
 1,2,4-Trimethylbenzene
 Concen: 2.416 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087859.D
 Acq: 16 Sep 2025 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 821-B

Tgt Ion:105 Resp: 42552
 Ion Ratio Lower Upper
 105 100
 120 50.3 22.0 66.0

