

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087689.D
 Acq On : 28 Aug 2025 16:32
 Operator : JC\MD
 Sample : Q2964-04 20X
 Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RPXY1R

Quant Time: Aug 29 03:21:21 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)

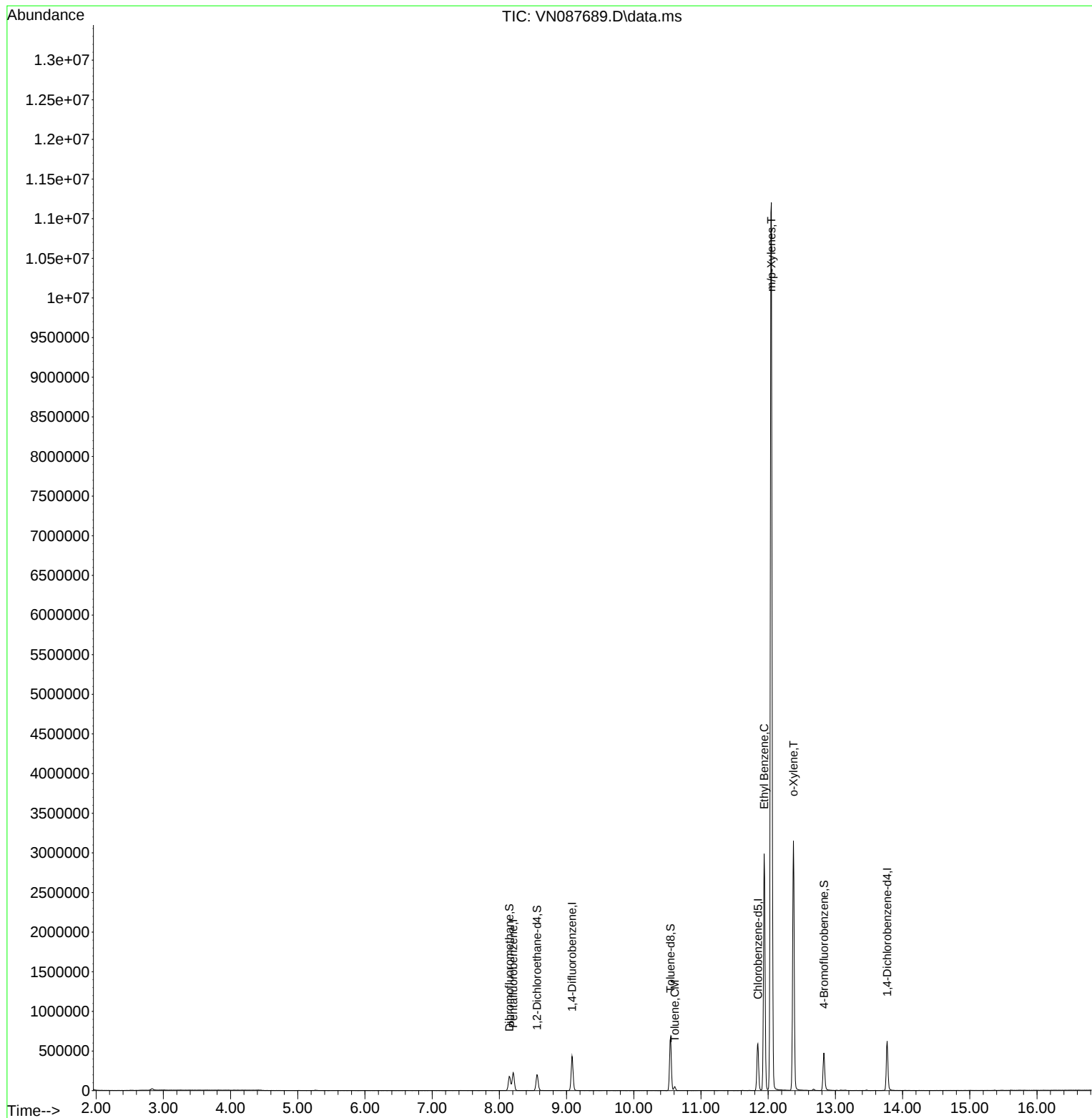
Internal Standards						
1) Pentafluorobenzene	8.206	168	148628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	339597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	324921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	157594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	168607	55.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.740%			
35) Dibromofluoromethane	8.147	113	127888	52.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.547	98	450991	49.144	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.280%			
62) 4-Bromofluorobenzene	12.829	95	169038	51.795	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
52) Toluene	10.612	92	19345	2.705	ug/l	99
67) Ethyl Benzene	11.941	91	2125249	151.847	ug/l	99
68) m/p-Xylenes	12.047	106	3268630	636.793	ug/l	100
69) o-Xylene	12.376	106	828002	164.604	ug/l	99

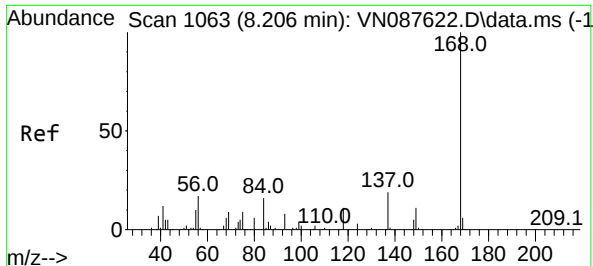
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

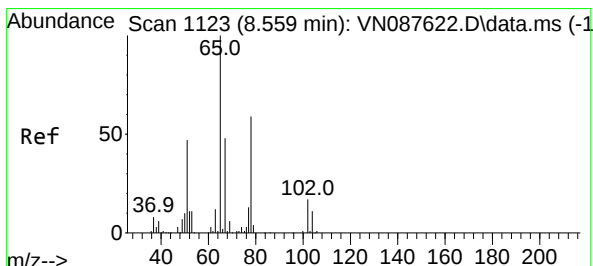
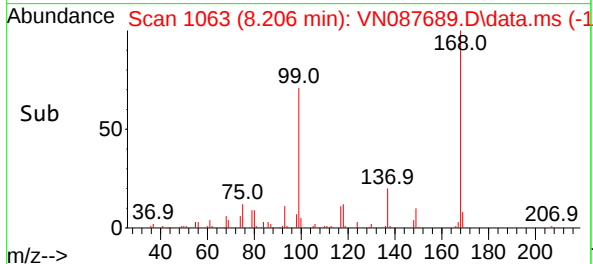
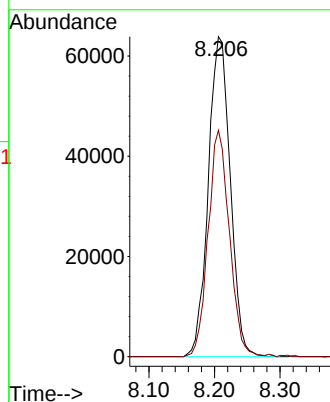
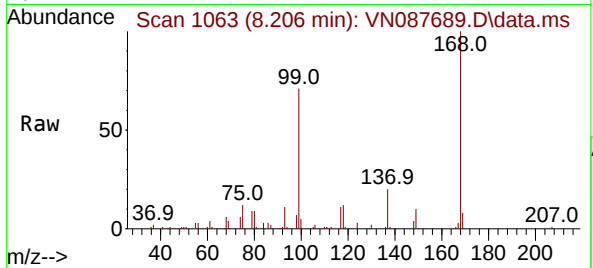




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

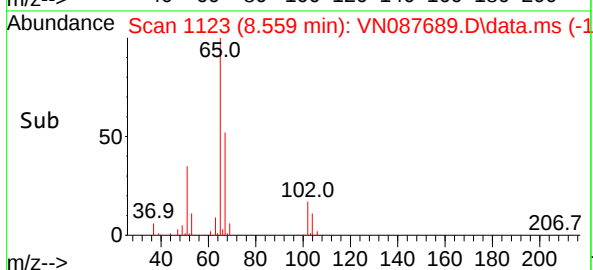
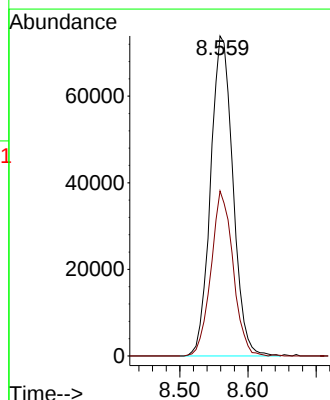
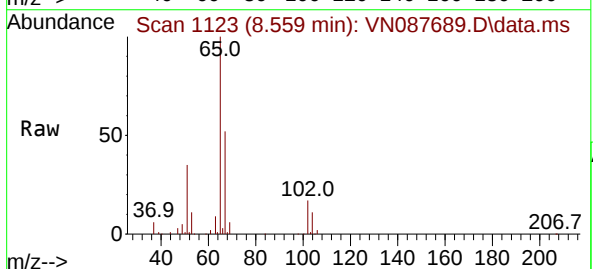
Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

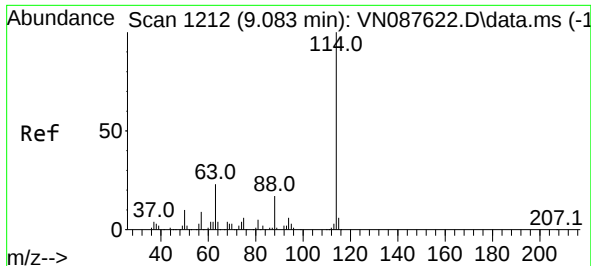
Tgt Ion:168 Resp: 148628
Ion Ratio Lower Upper
168 100
99 70.8 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.368 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 65 Resp: 168607
Ion Ratio Lower Upper
65 100
67 50.7 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: VN087689.D

Acq: 28 Aug 2025 16:32

Instrument :

MSVOA_N

ClientSampleId :

RPXY1R

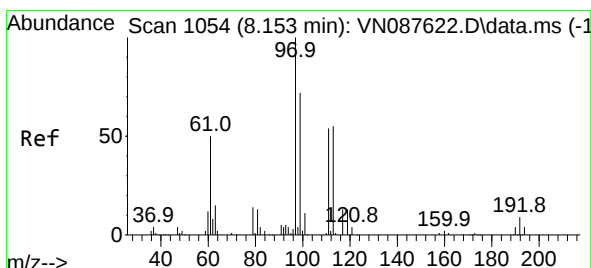
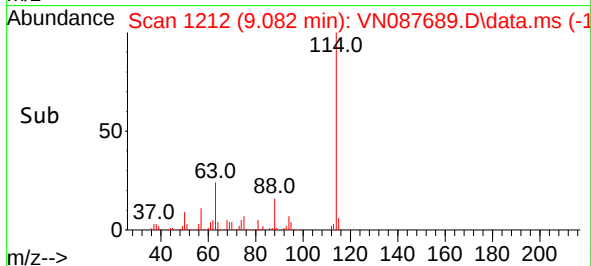
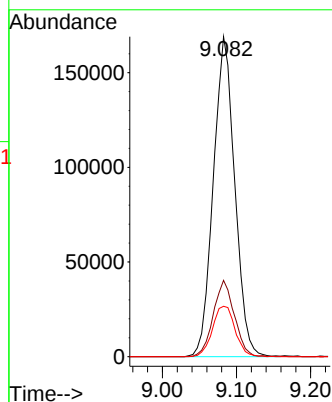
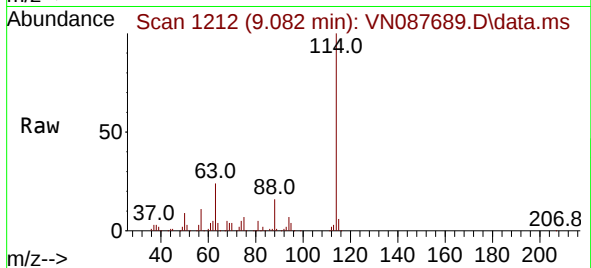
Tgt Ion:114 Resp: 339597

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.2

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.159 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087689.D

Acq: 28 Aug 2025 16:32

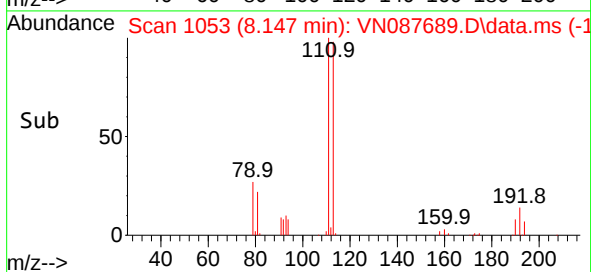
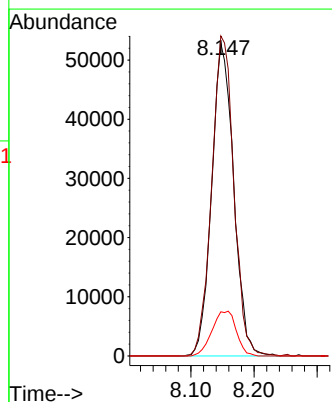
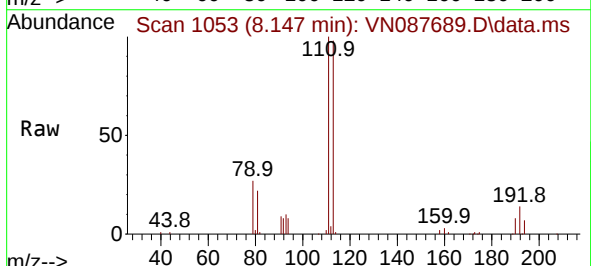
Tgt Ion:113 Resp: 127888

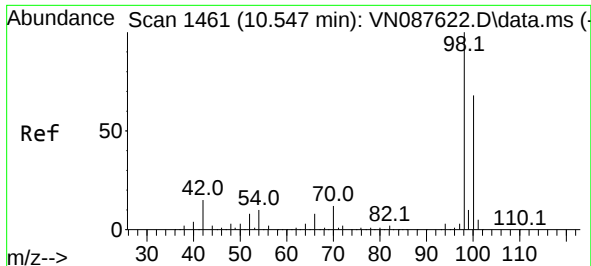
Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 15.8 12.8 19.2

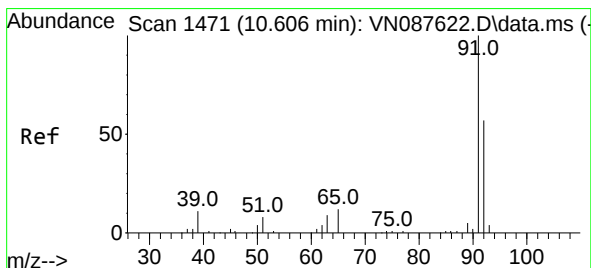
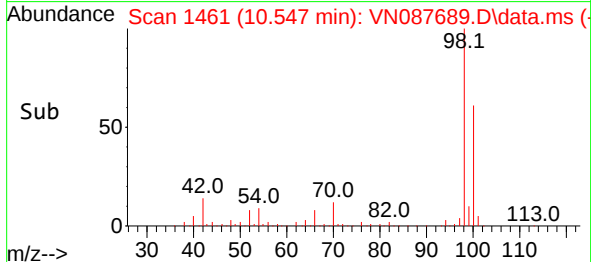
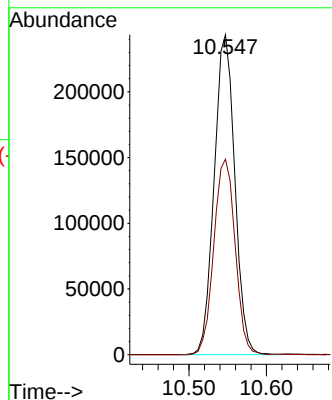
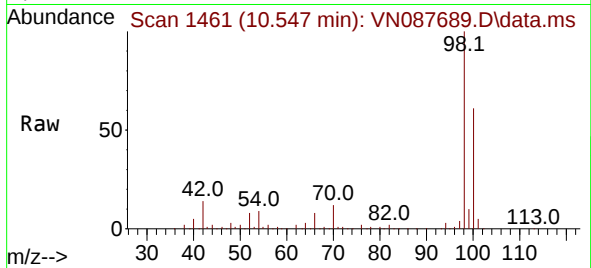




#50
Toluene-d8
Concen: 49.144 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

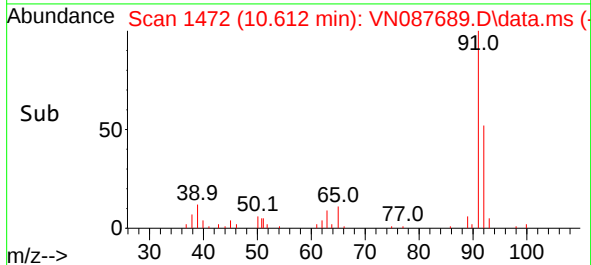
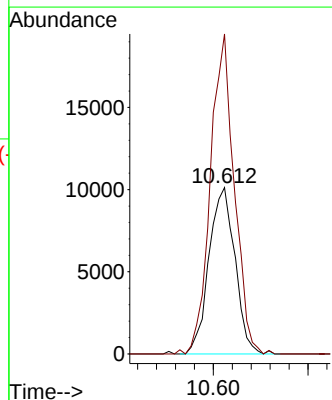
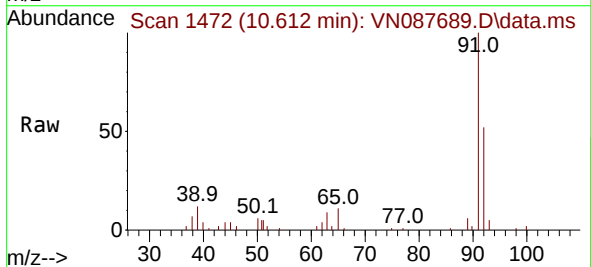
Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

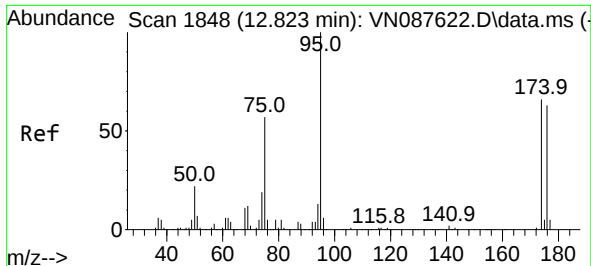
Tgt Ion: 98 Resp: 450991
Ion Ratio Lower Upper
98 100
100 63.1 52.8 79.2



#52
Toluene
Concen: 2.705 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 92 Resp: 19345
Ion Ratio Lower Upper
92 100
91 176.5 140.4 210.6

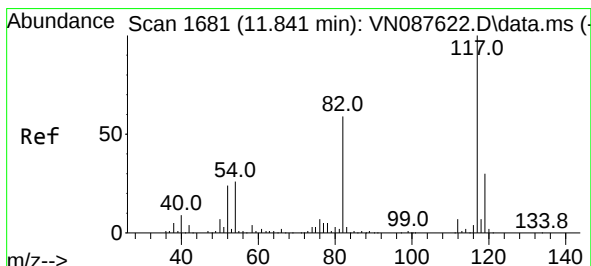
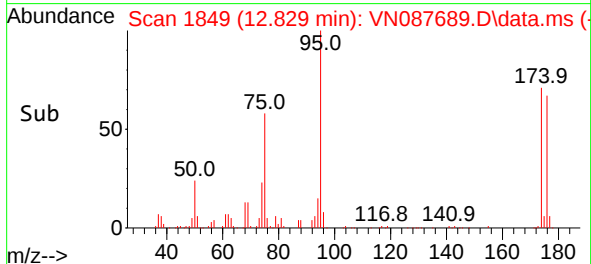
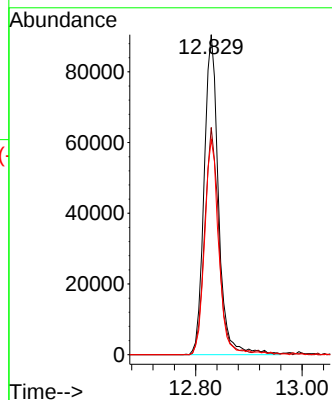
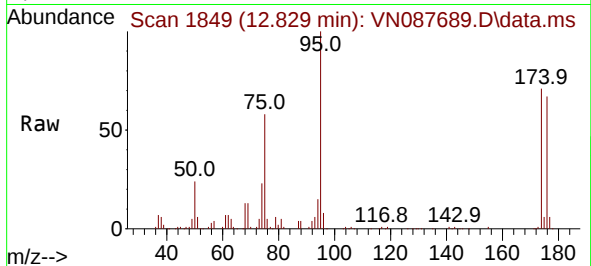




#62
4-Bromofluorobenzene
Concen: 51.795 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

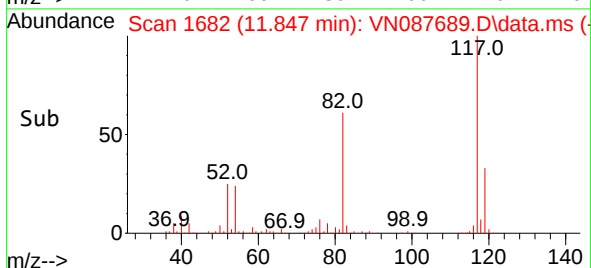
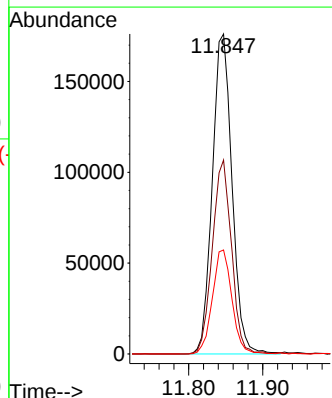
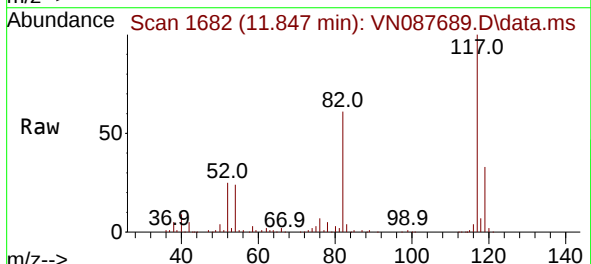
Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

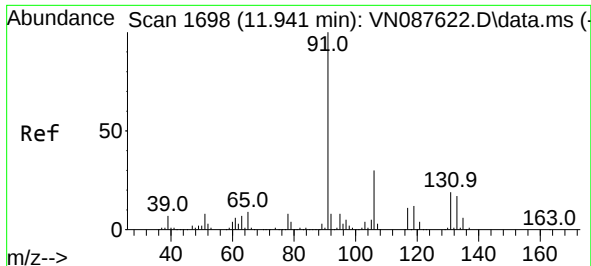
Tgt Ion: 95 Resp: 169038
Ion Ratio Lower Upper
95 100
174 70.2 0.0 138.4
176 67.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 117 Resp: 324921
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.5 24.3 36.5





#67

Ethyl Benzene

Concen: 151.847 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VN087689.D

Acq: 28 Aug 2025 16:32

Instrument :

MSVOA_N

ClientSampleId :

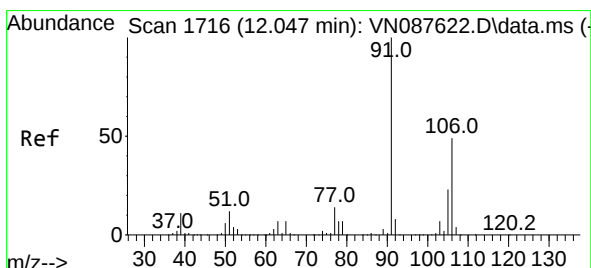
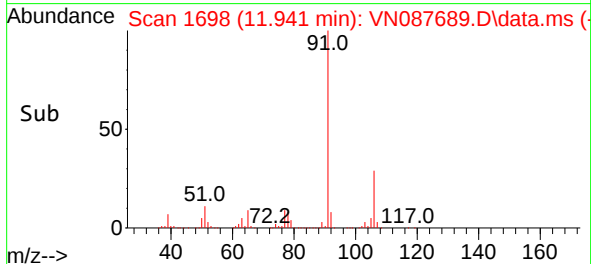
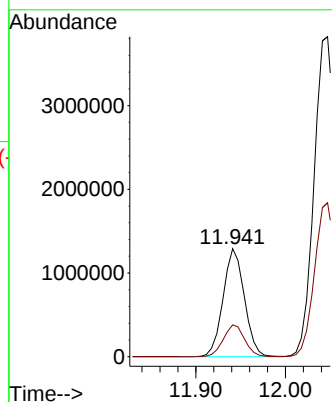
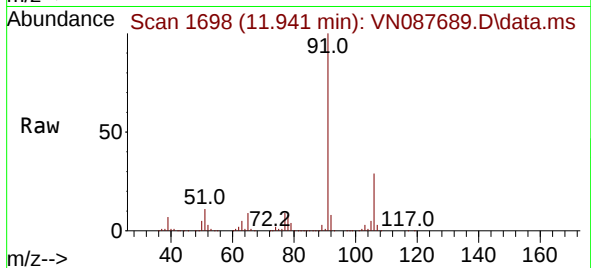
RPXY1R

Tgt Ion: 91 Resp: 2125249

Ion Ratio Lower Upper

91 100

106 29.5 24.1 36.1



#68

m/p-Xylenes

Concen: 636.793 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN087689.D

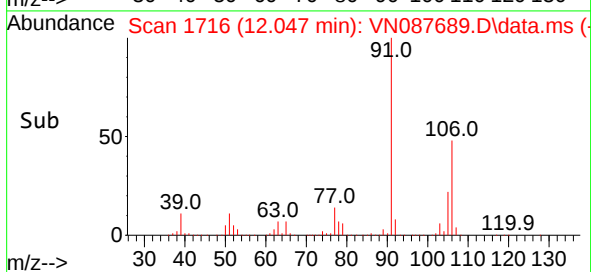
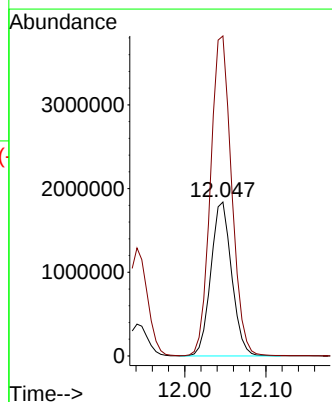
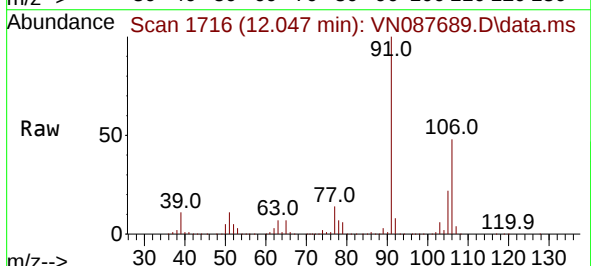
Acq: 28 Aug 2025 16:32

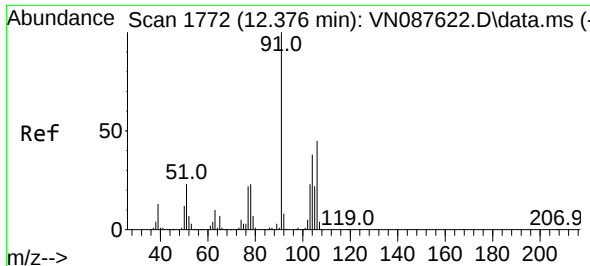
Tgt Ion: 106 Resp: 3268630

Ion Ratio Lower Upper

106 100

91 211.6 169.3 253.9

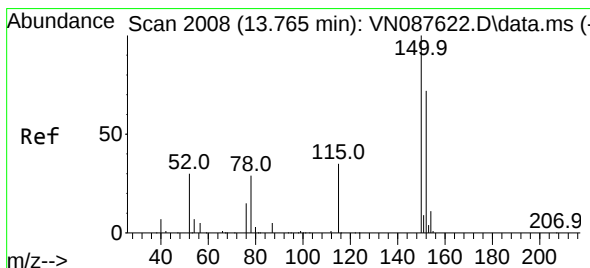
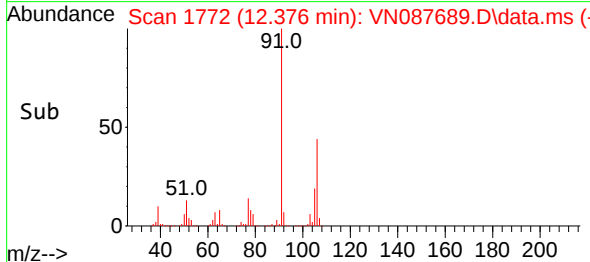
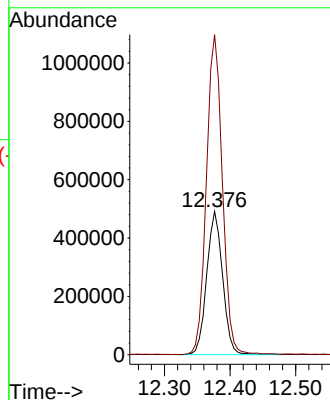
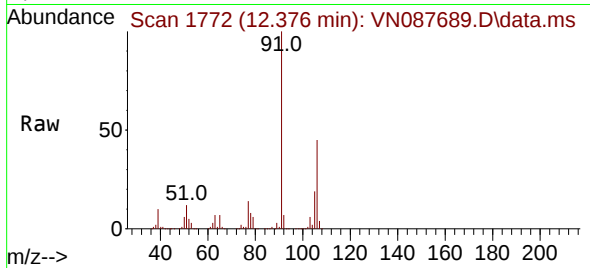




#69
o-Xylene
Concen: 164.604 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion:106 Resp: 828002
Ion Ratio Lower Upper
106 100
91 224.7 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion:152 Resp: 157594
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 160.5 0.0 351.0

