

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088380.D
 Acq On : 01 Dec 2025 14:13
 Operator : JC\MD
 Sample : Q3715-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2

Quant Time: Dec 02 00:14:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

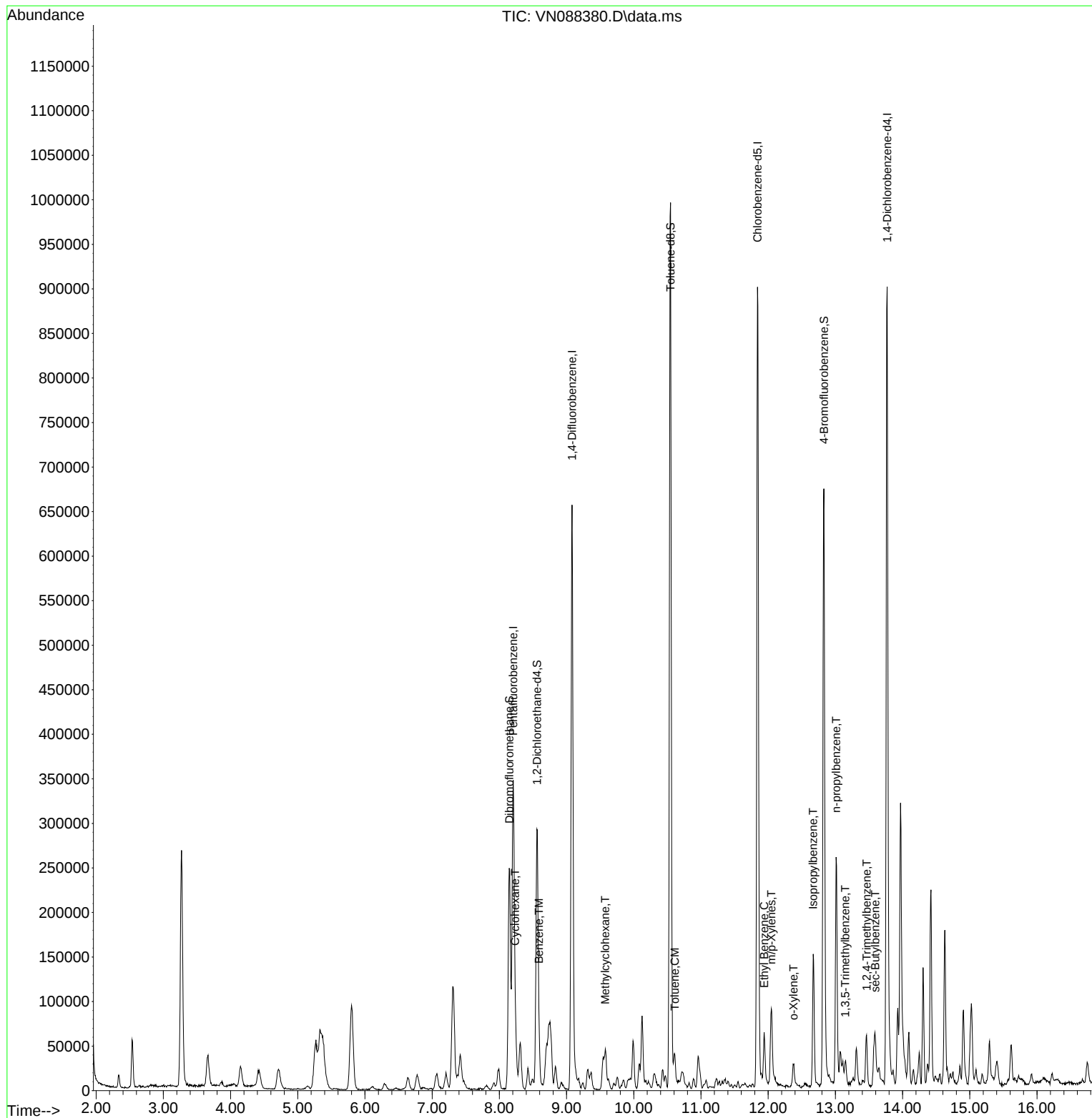
Internal Standards						
1) Pentafluorobenzene	8.206	168	220027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	508612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	500256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	238931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	240580	58.043	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.080%	
35) Dibromofluoromethane	8.147	113	177800	50.445	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.880%	
50) Toluene-d8	10.547	98	660362	50.354	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.829	95	256527	57.008	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 114.020%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.235	56	41116	7.543	ug/l	91
39) Methylcyclohexane	9.576	83	16988	2.920	ug/l	93
40) Benzene	8.588	78	32186	2.016	ug/l	96
52) Toluene	10.612	92	14693	1.594	ug/l	89
67) Ethyl Benzene	11.941	91	36714	1.869	ug/l	94
68) m/p-Xylenes	12.047	106	28539	3.919	ug/l	98
69) o-Xylene	12.376	106	7656	1.103	ug/l	92
73) Isopropylbenzene	12.670	105	101528	5.747	ug/l	98
78) n-propylbenzene	13.012	91	228078	10.553	ug/l	96
80) 1,3,5-Trimethylbenzene	13.147	105	13572	0.927	ug/l	95
84) 1,2,4-Trimethylbenzene	13.464	105	38649	2.656	ug/l	100
85) sec-Butylbenzene	13.594	105	28024	1.568	ug/l #	57

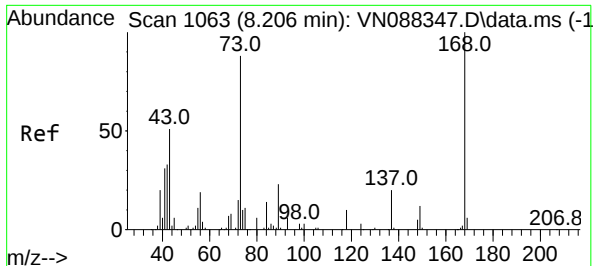
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088380.D
Acq On : 01 Dec 2025 14:13
Operator : JC\MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Quant Time: Dec 02 00:14:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

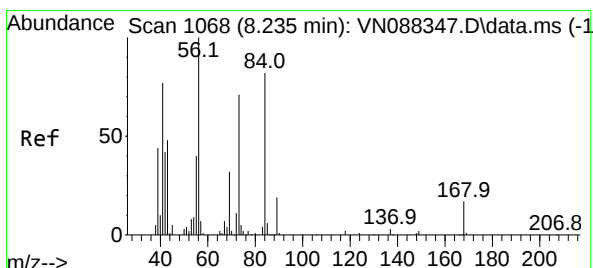
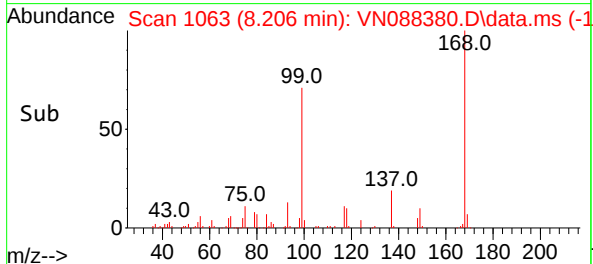
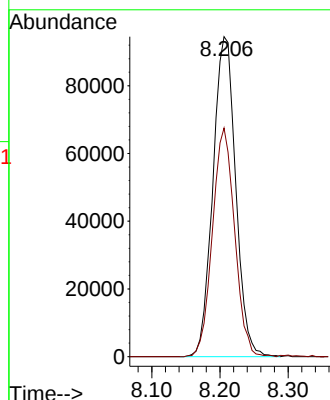
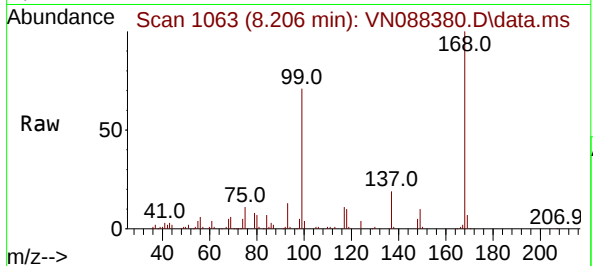




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

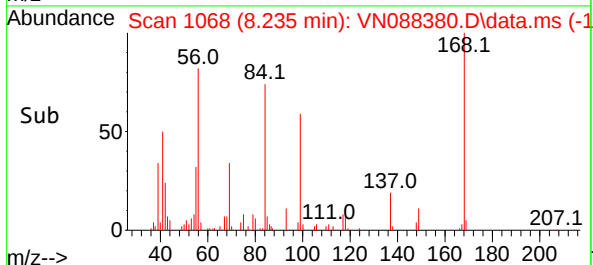
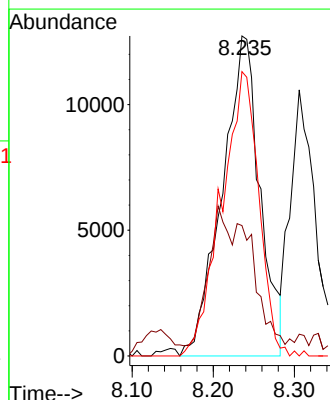
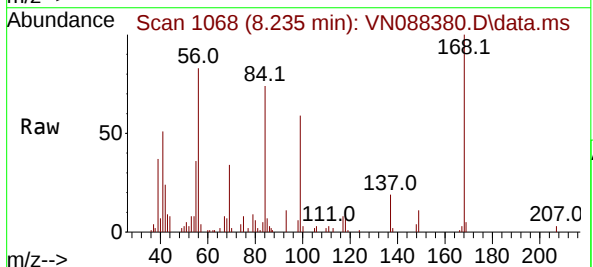
Instrument :
MSVOA_N
ClientSampleId :
MW2

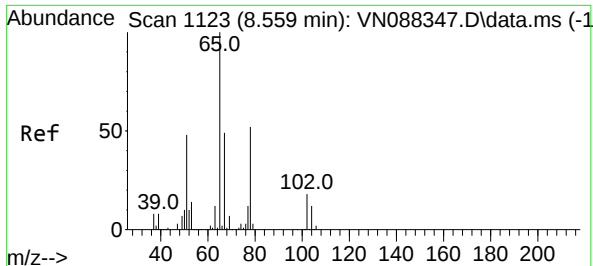
Tgt Ion:168 Resp: 220027
Ion Ratio Lower Upper
168 100
99 71.4 57.1 85.7



#31
Cyclohexane
Concen: 7.543 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion: 56 Resp: 41116
Ion Ratio Lower Upper
56 100
69 37.3 25.3 37.9
84 88.8 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 58.043 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088380.D

Acq: 01 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

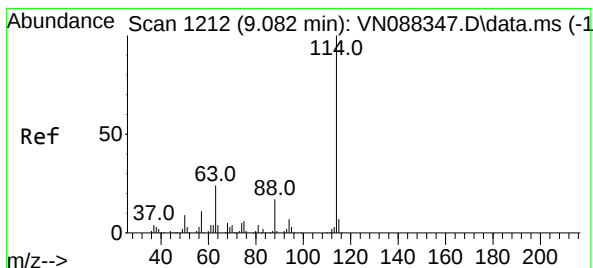
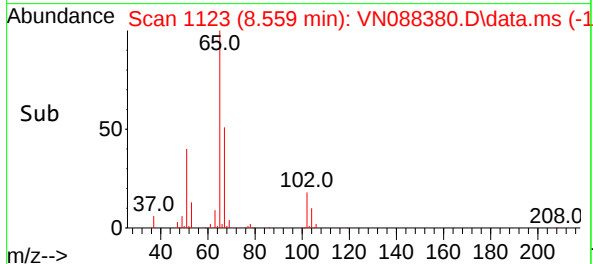
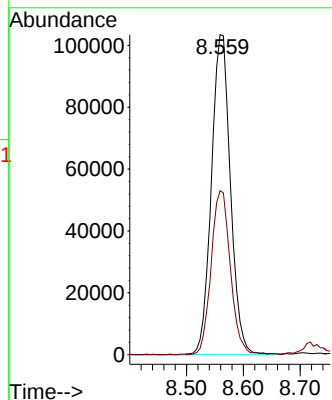
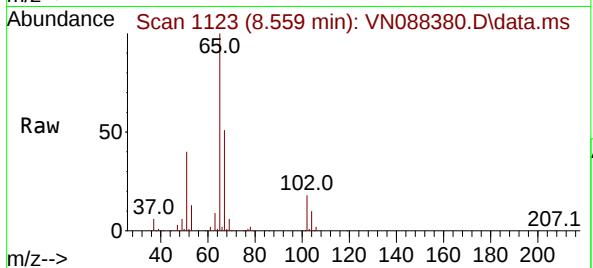
MW2

Tgt Ion: 65 Resp: 240580

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088380.D

Acq: 01 Dec 2025 14:13

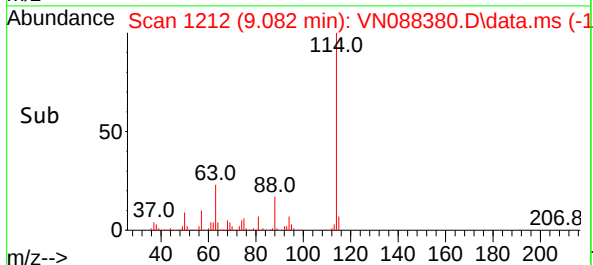
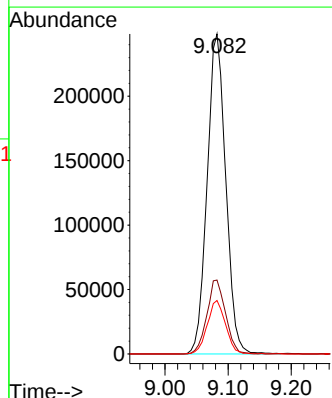
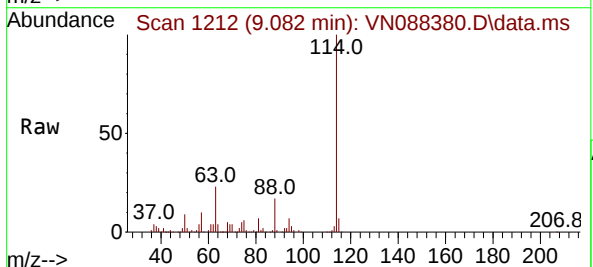
Tgt Ion: 114 Resp: 508612

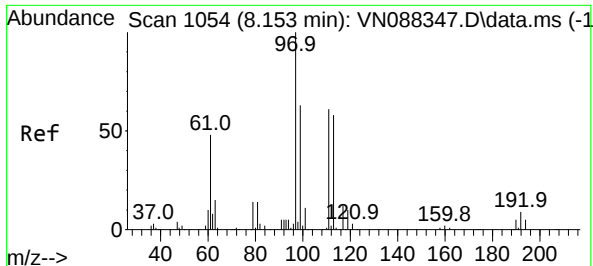
Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.0

88 16.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.445 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088380.D

Acq: 01 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

MW2

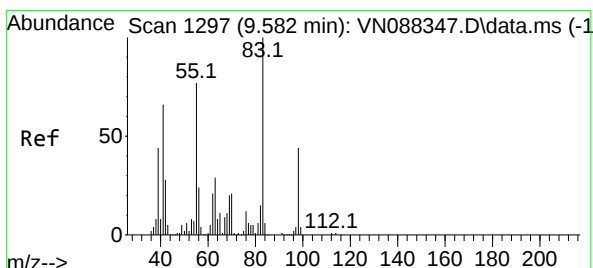
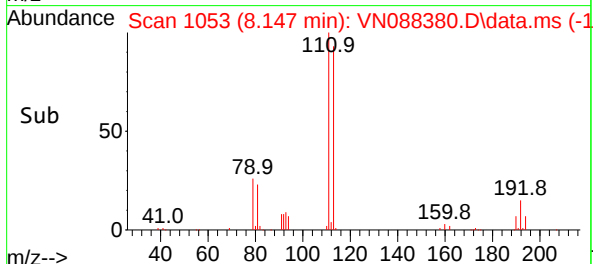
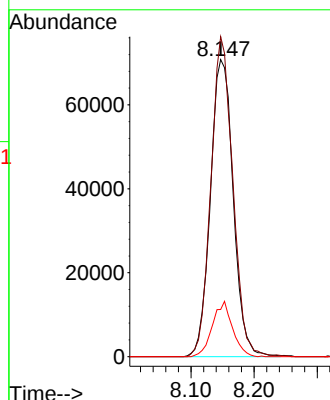
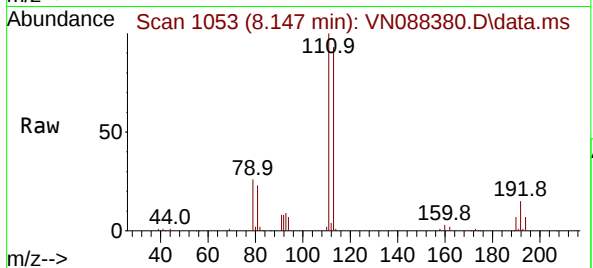
Tgt Ion:113 Resp: 177800

Ion Ratio Lower Upper

113 100

111 103.3 82.5 123.7

192 16.4 12.8 19.2



#39

Methylcyclohexane

Concen: 2.920 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088380.D

Acq: 01 Dec 2025 14:13

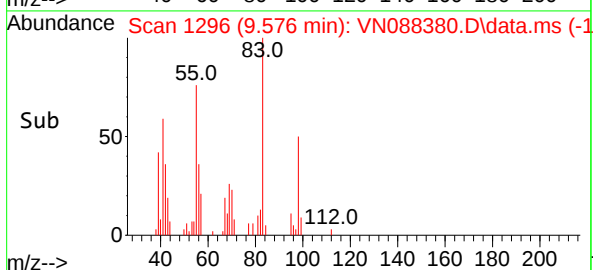
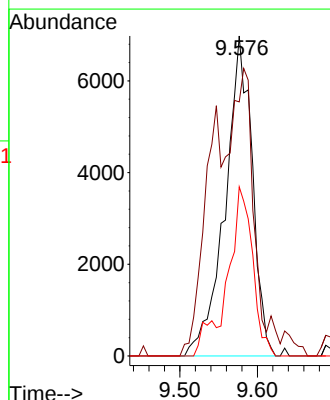
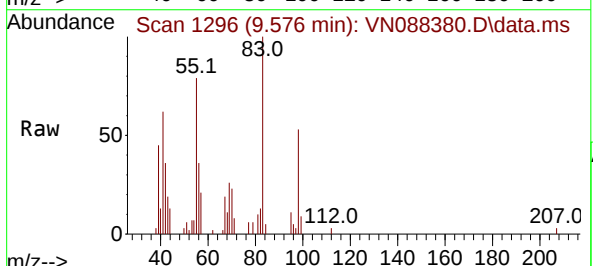
Tgt Ion: 83 Resp: 16988

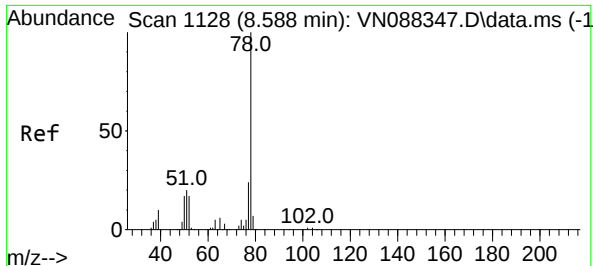
Ion Ratio Lower Upper

83 100

55 79.4 61.6 92.4

98 52.9 35.3 52.9

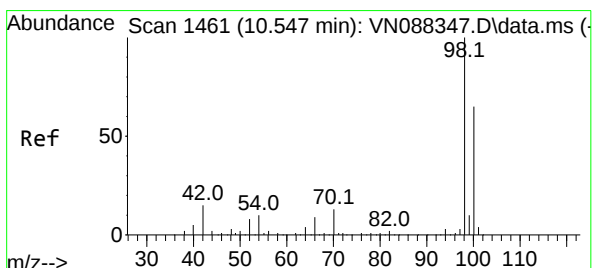
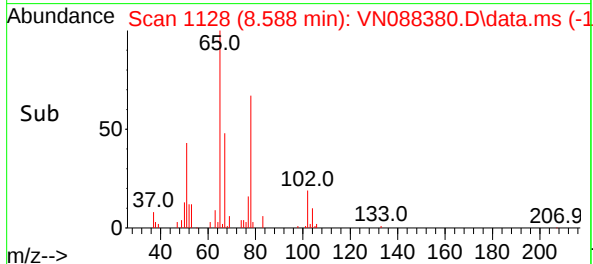
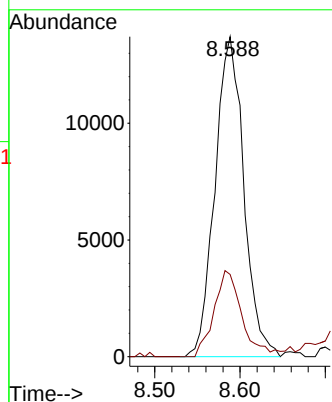
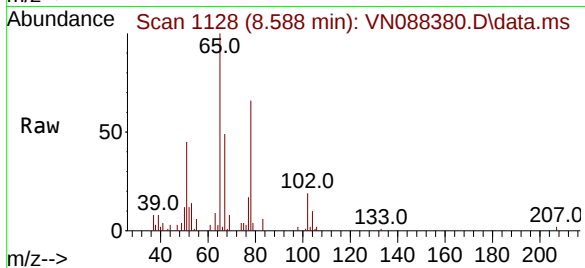




#40
Benzene
Concen: 2.016 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

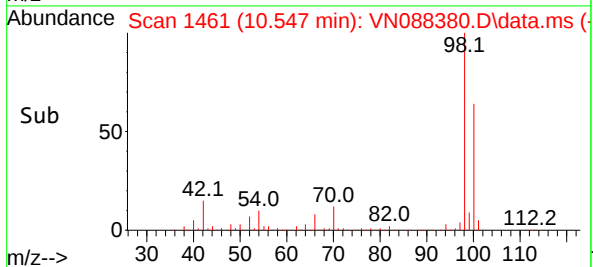
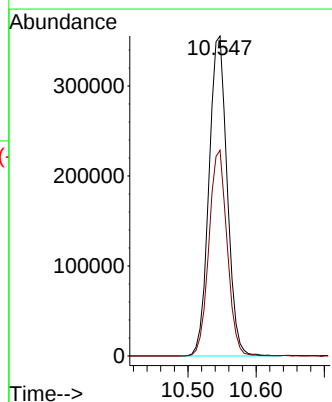
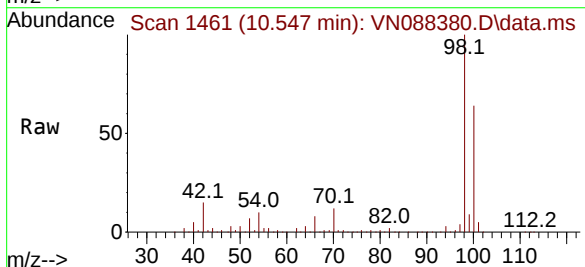
Instrument :
MSVOA_N
ClientSampleId :
MW2

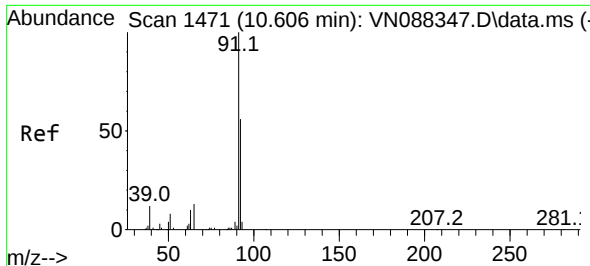
Tgt Ion: 78 Resp: 32186
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.4



#50
Toluene-d8
Concen: 50.354 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion: 98 Resp: 660362
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

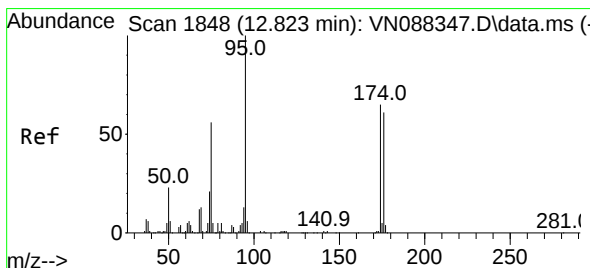
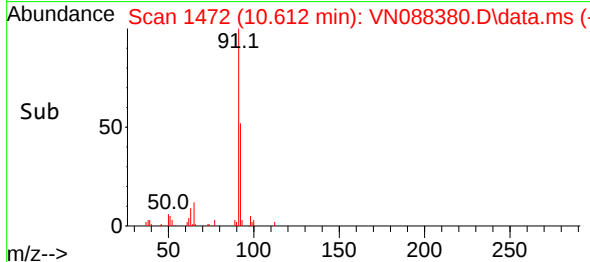
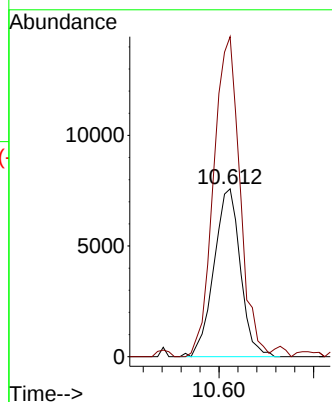
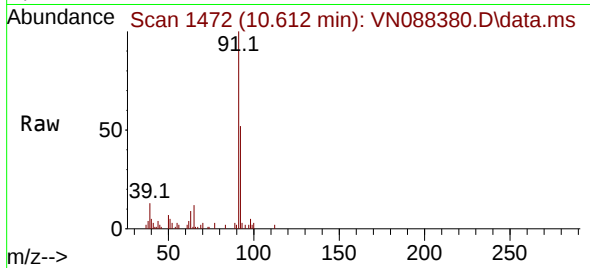




#52
Toluene
Concen: 1.594 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

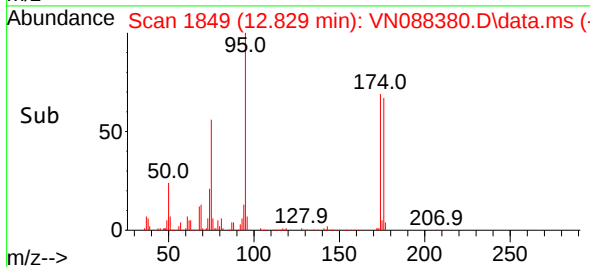
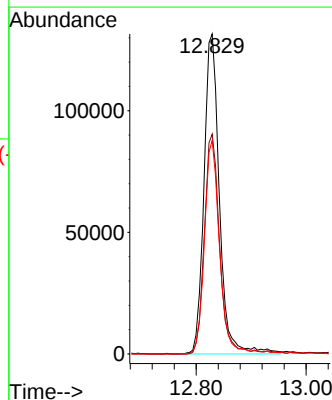
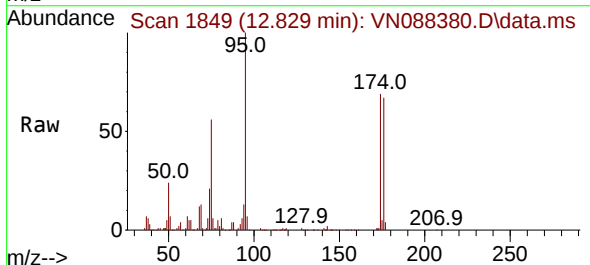
Instrument :
MSVOA_N
ClientSampleId :
MW2

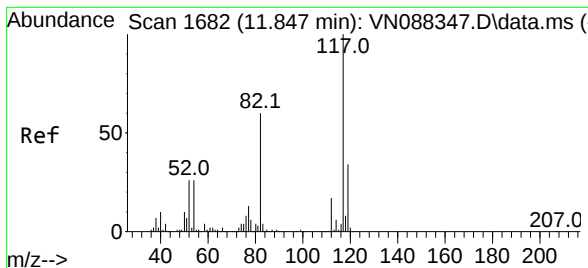
Tgt Ion: 92 Resp: 14693
Ion Ratio Lower Upper
92 100
91 190.1 140.2 210.2



#62
4-Bromofluorobenzene
Concen: 57.008 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion: 95 Resp: 256527
Ion Ratio Lower Upper
95 100
174 67.8 0.0 139.0
176 65.8 0.0 132.4

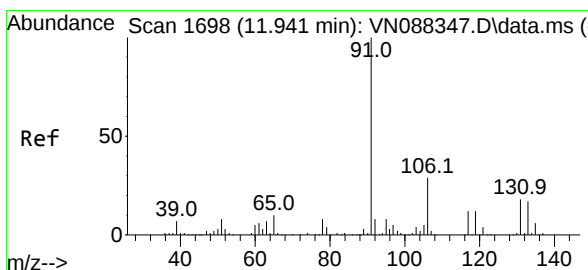
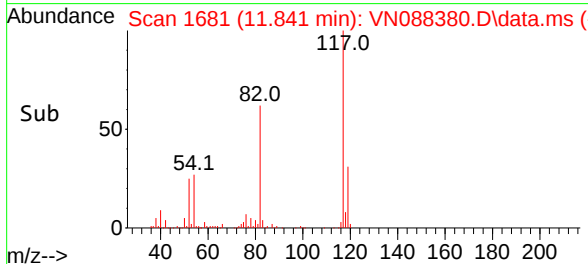
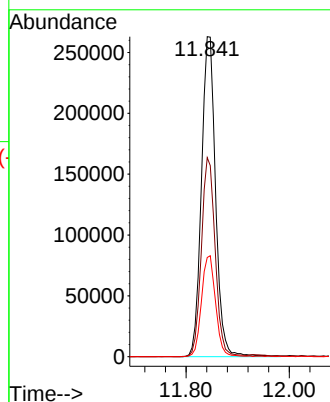
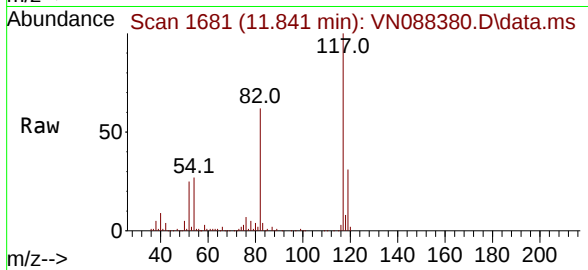




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

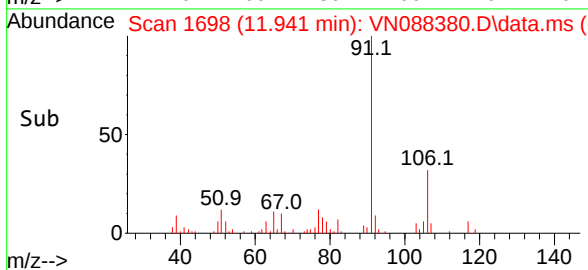
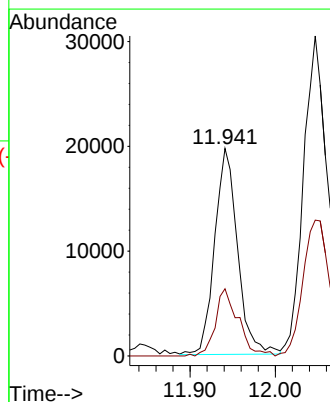
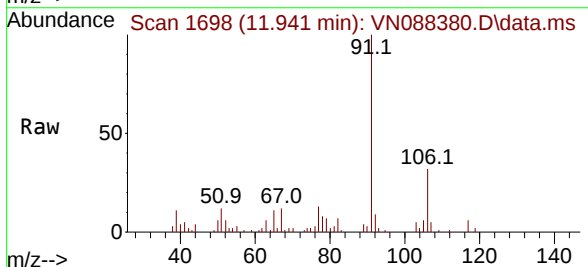
Instrument :
MSVOA_N
ClientSampleId :
MW2

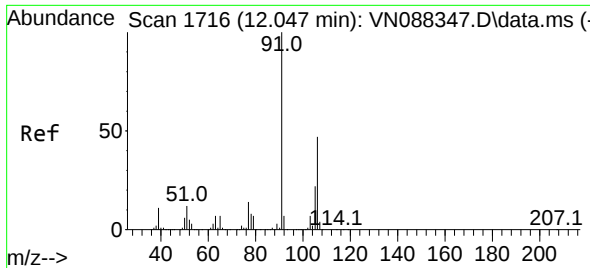
Tgt Ion:117 Resp: 500256
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 31.0 26.9 40.3



#67
Ethyl Benzene
Concen: 1.869 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion: 91 Resp: 36714
Ion Ratio Lower Upper
91 100
106 32.7 23.6 35.4

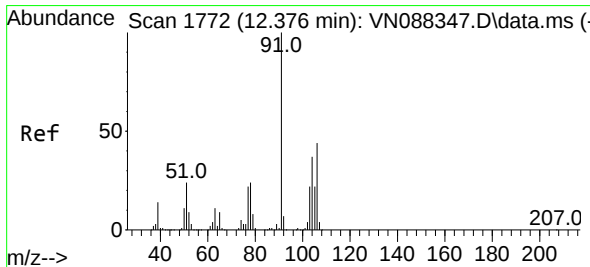
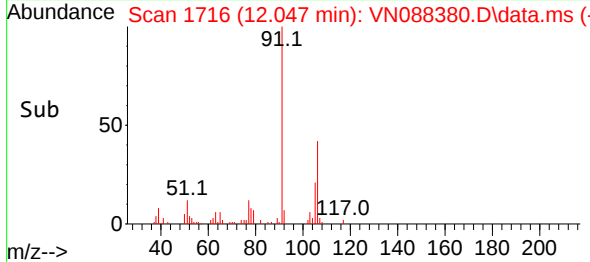
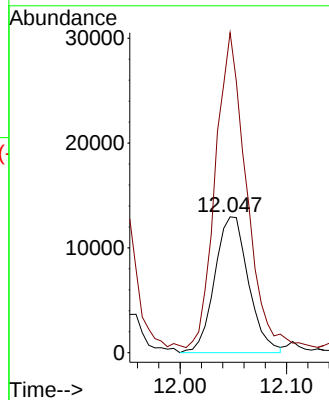
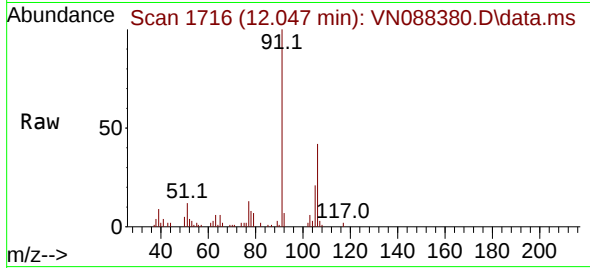




#68
m/p-Xylenes
Concen: 3.919 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

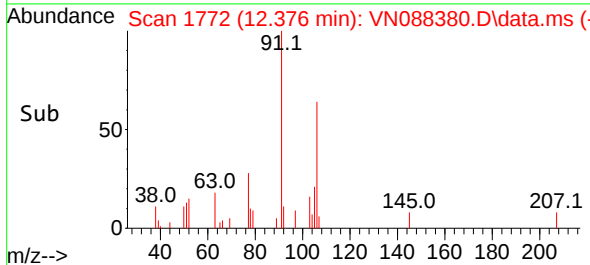
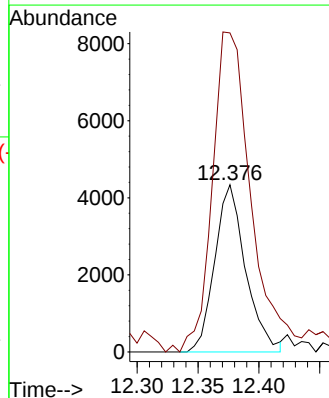
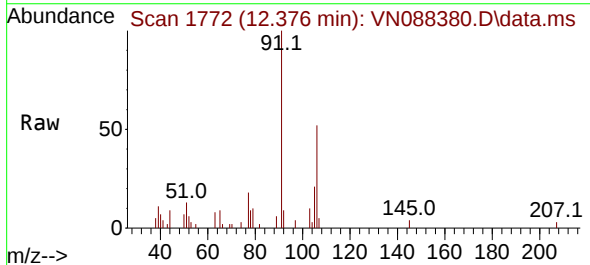
Instrument :
MSVOA_N
ClientSampleId :
MW2

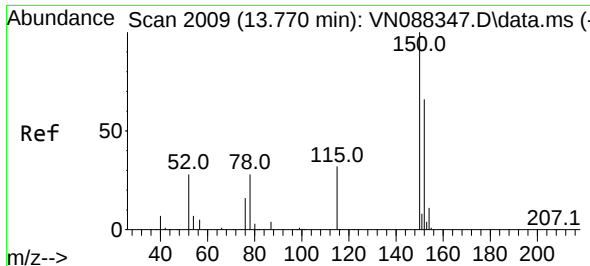
Tgt Ion:106 Resp: 28539
Ion Ratio Lower Upper
106 100
91 212.9 167.8 251.6



#69
o-Xylene
Concen: 1.103 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion:106 Resp: 7656
Ion Ratio Lower Upper
106 100
91 239.5 112.9 338.7

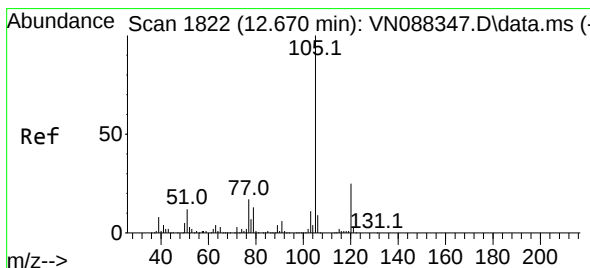
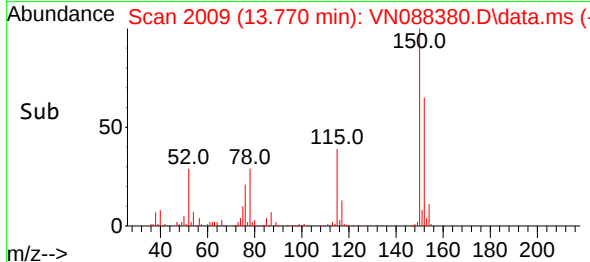
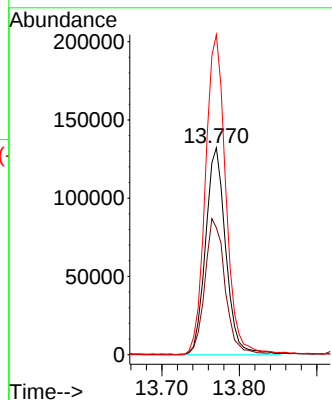
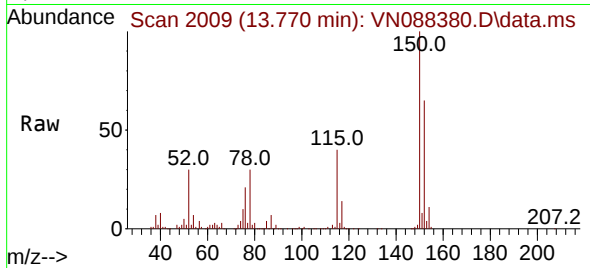




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

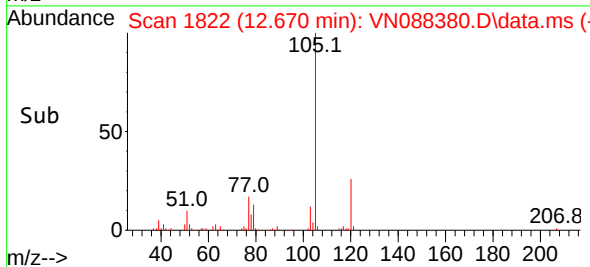
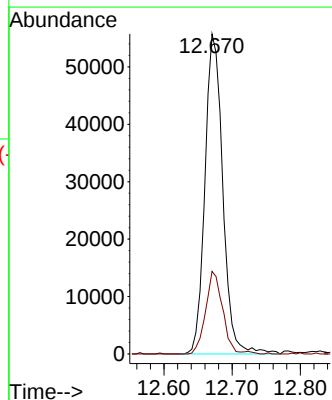
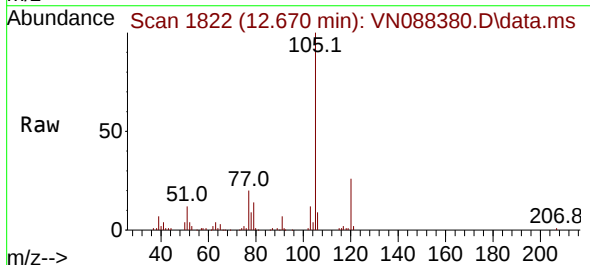
Instrument :
MSVOA_N
ClientSampleId :
MW2

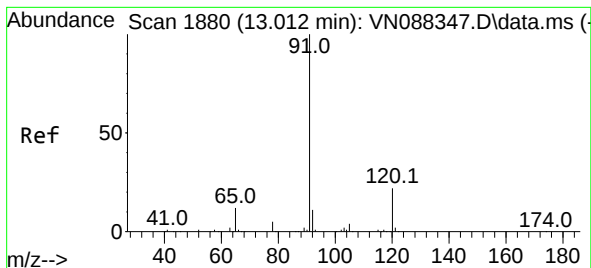
Tgt Ion:152 Resp: 238931
Ion Ratio Lower Upper
152 100
115 65.8 33.0 98.9
150 157.9 0.0 349.0



#73
Isopropylbenzene
Concen: 5.747 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion:105 Resp: 101528
Ion Ratio Lower Upper
105 100
120 24.3 12.8 38.3





#78

n-propylbenzene

Concen: 10.553 ug/l

RT: 13.012 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088380.D

Acq: 01 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

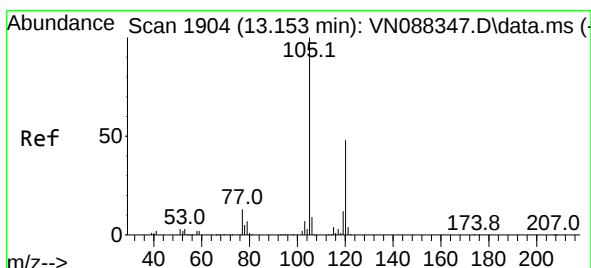
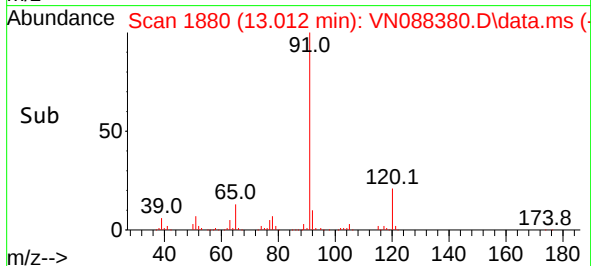
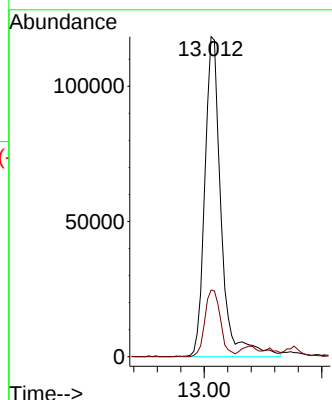
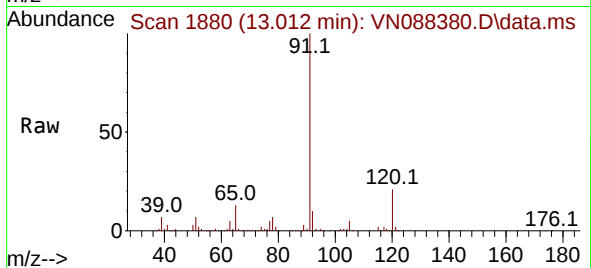
MW2

Tgt Ion: 91 Resp: 228078

Ion Ratio Lower Upper

91 100

120 20.0 10.9 32.6



#80

1,3,5-Trimethylbenzene

Concen: 0.927 ug/l

RT: 13.147 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VN088380.D

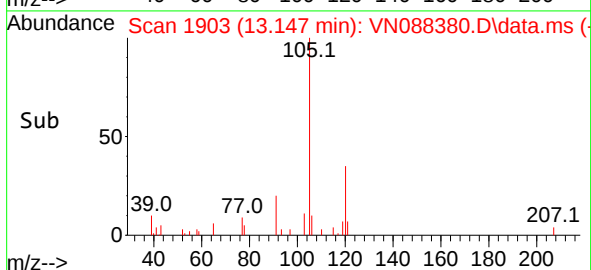
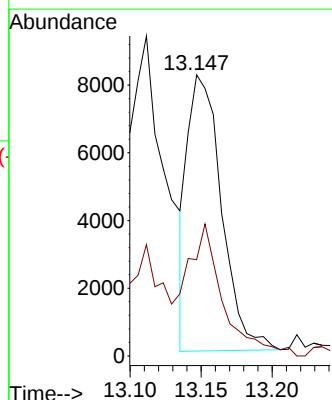
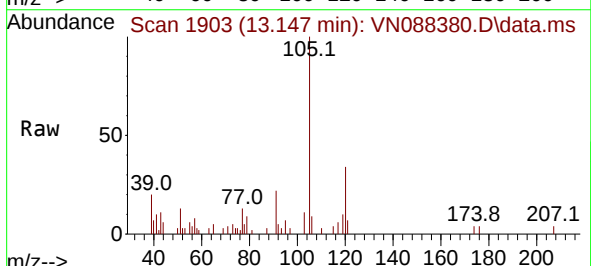
Acq: 01 Dec 2025 14:13

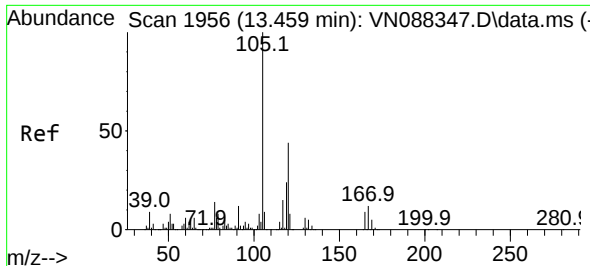
Tgt Ion:105 Resp: 13572

Ion Ratio Lower Upper

105 100

120 51.1 23.8 71.5

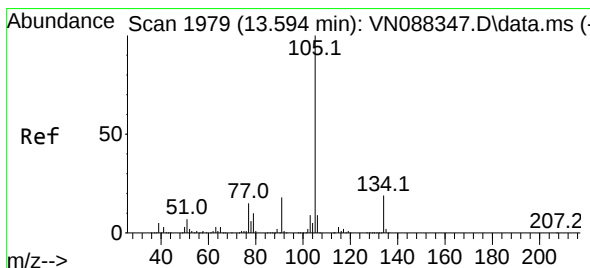
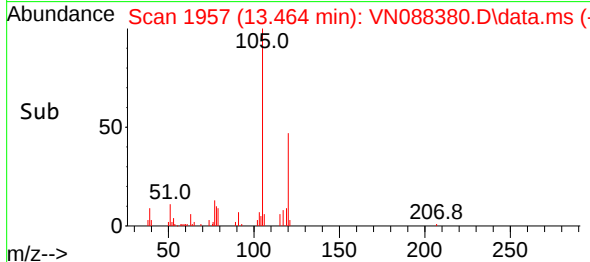
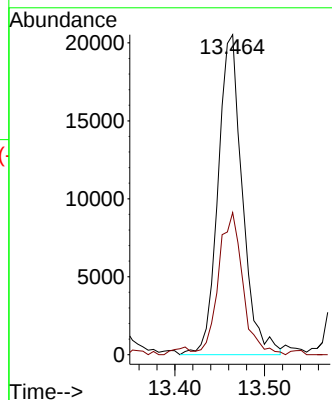
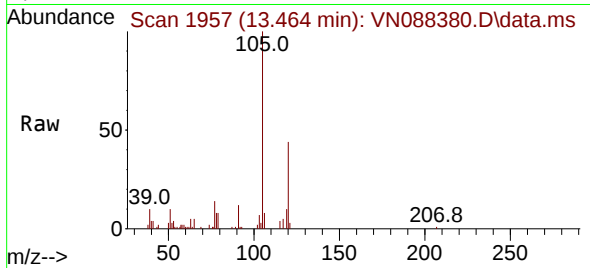




#84
1,2,4-Trimethylbenzene
Concen: 2.656 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:105 Resp: 38649
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1



#85
sec-Butylbenzene
Concen: 1.568 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088380.D
Acq: 01 Dec 2025 14:13

Tgt Ion:105 Resp: 28024
Ion Ratio Lower Upper
105 100
134 38.3 9.5 28.5#

