

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088211.D
 Acq On : 06 Nov 2025 16:54
 Operator : JC\MD
 Sample : Q3536-04
 Misc : 1.50g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2052

Quant Time: Nov 07 02:22:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

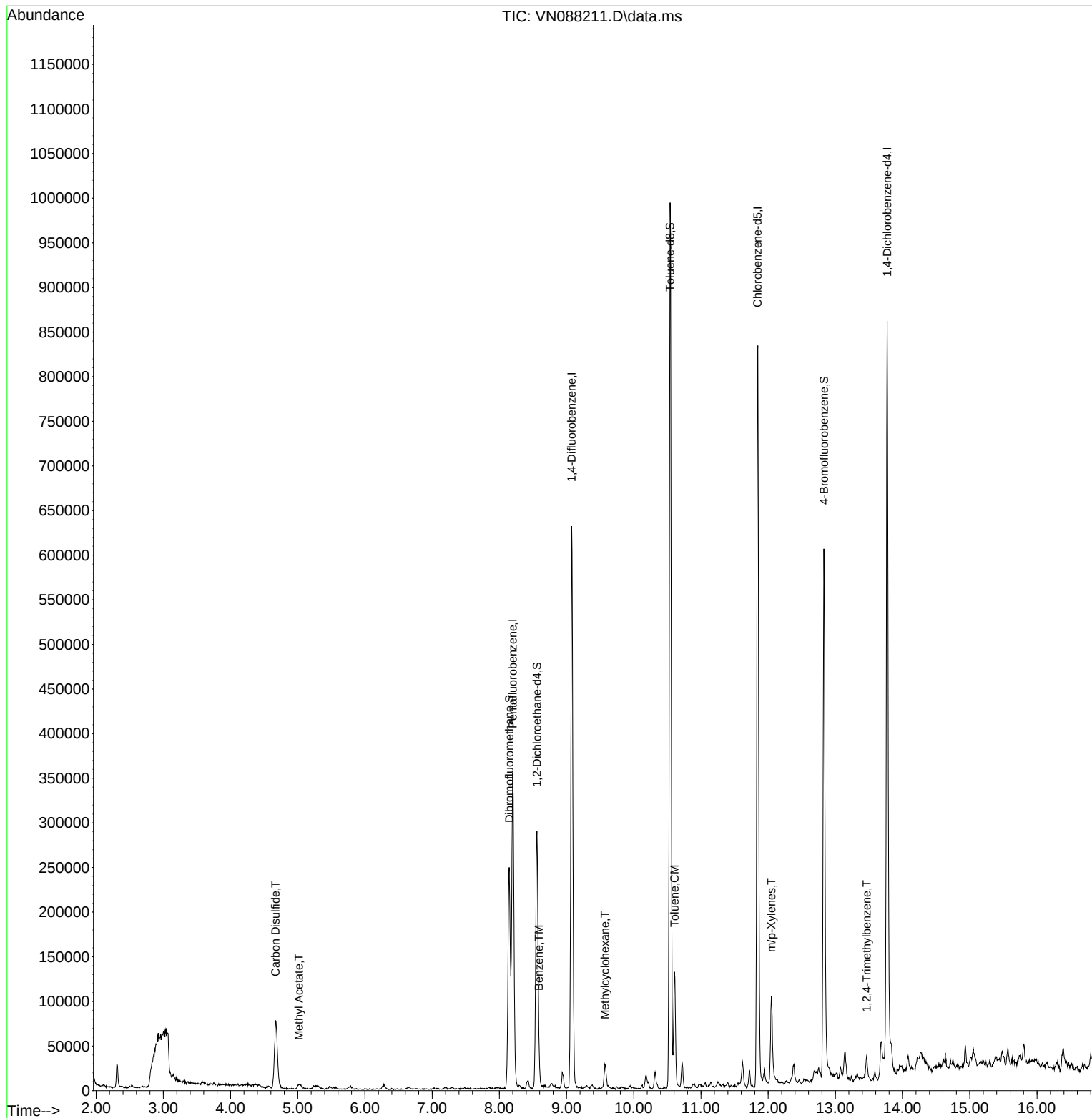
Internal Standards						
1) Pentafluorobenzene	8.200	168	232632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	522856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	462937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	214096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	240126	59.693	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.380%	
35) Dibromofluoromethane	8.147	113	178083	50.699	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	10.541	98	665050	49.137	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.829	95	231615	48.456	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.920%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.671	76	177586	19.980	ug/l	100
18) Methyl Acetate	5.018	43	13449	3.251	ug/l	94
39) Methylcyclohexane	9.570	83	10498	1.592	ug/l	97
40) Benzene	8.588	78	23131	1.481	ug/l	99
52) Toluene	10.606	92	51737	5.372	ug/l	95
68) m/p-Xylenes	12.047	106	23986	3.469	ug/l	97
84) 1,2,4-Trimethylbenzene	13.464	105	17617	1.284	ug/l	96

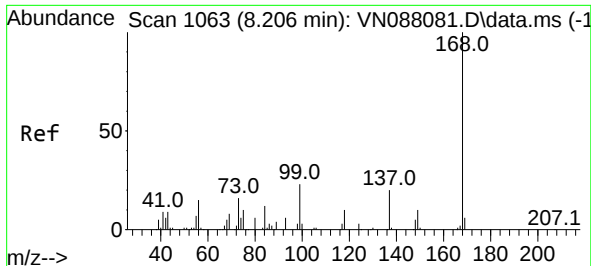
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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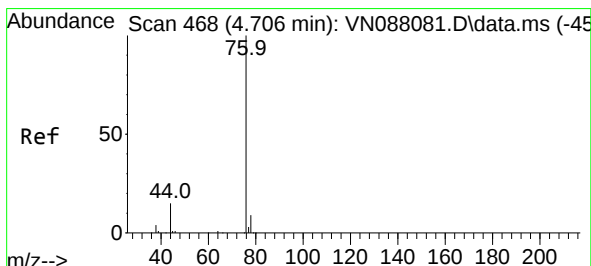
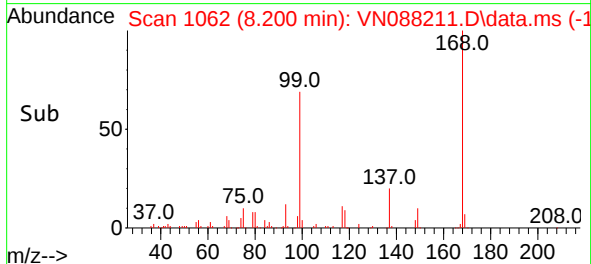
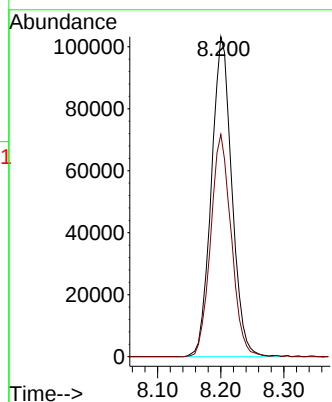
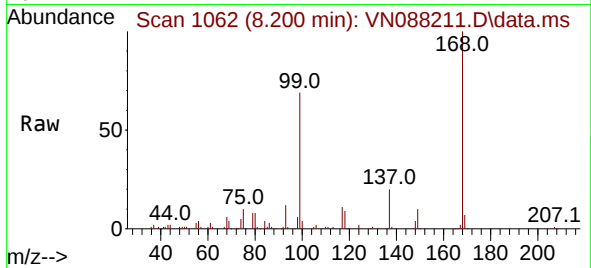




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

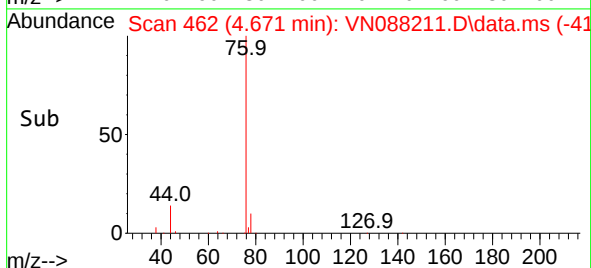
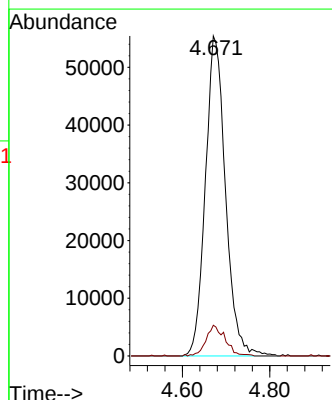
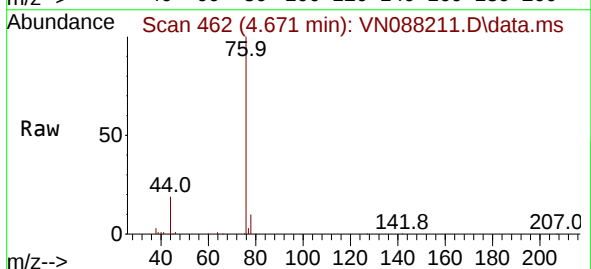
Instrument :
MSVOA_N
ClientSampleId :
2052

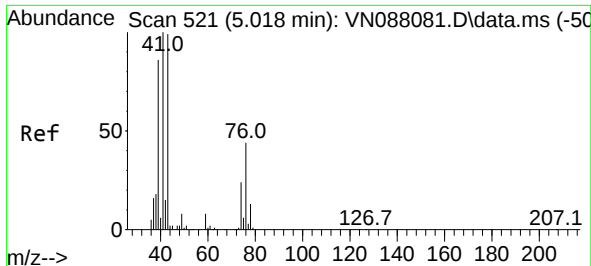
Tgt Ion:168 Resp: 232632
Ion Ratio Lower Upper
168 100
99 69.5 57.2 85.8



#17
Carbon Disulfide
Concen: 19.980 ug/l
RT: 4.671 min Scan# 462
Delta R.T. -0.030 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 76 Resp: 177586
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4

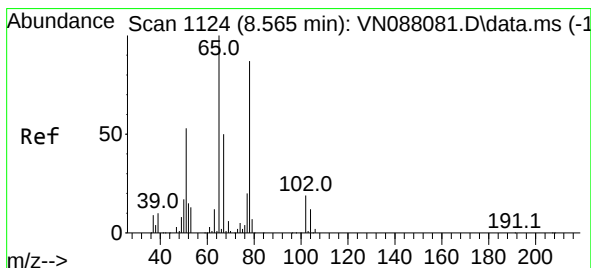
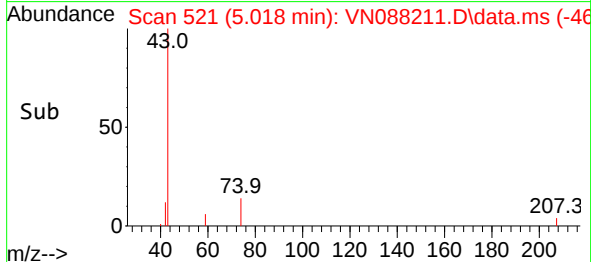
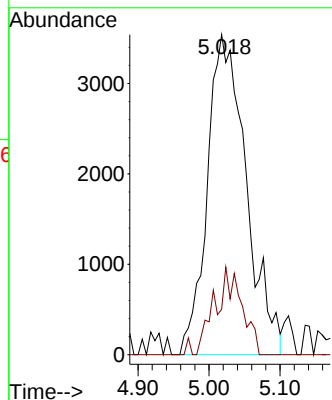
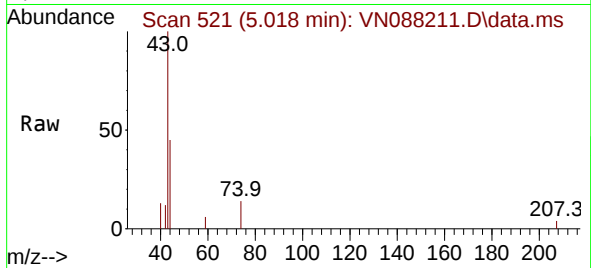




#18
Methyl Acetate
Concen: 3.251 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

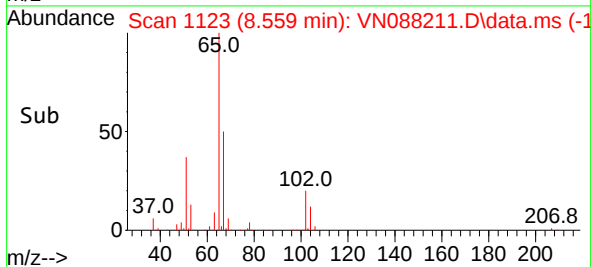
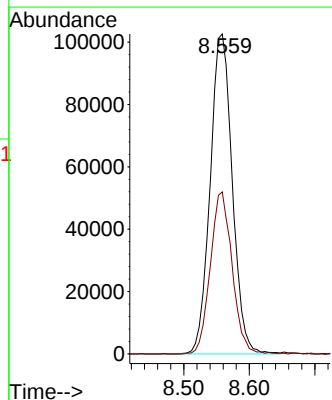
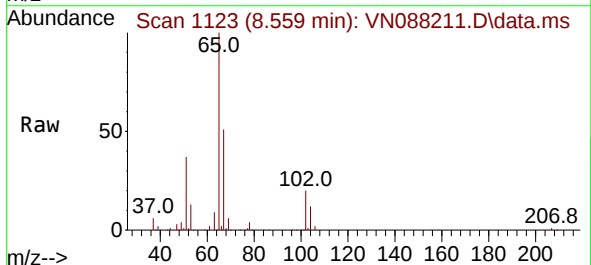
Instrument :
MSVOA_N
ClientSampleId :
2052

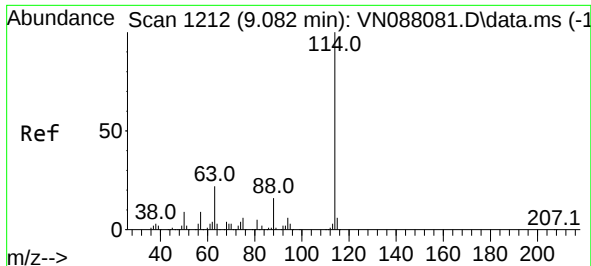
Tgt Ion: 43 Resp: 13449
Ion Ratio Lower Upper
43 100
74 18.9 17.6 26.4



#33
1,2-Dichloroethane-d4
Concen: 59.693 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 65 Resp: 240126
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.076 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088211.D

Acq: 06 Nov 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

2052

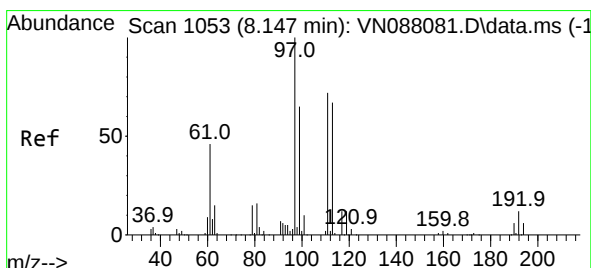
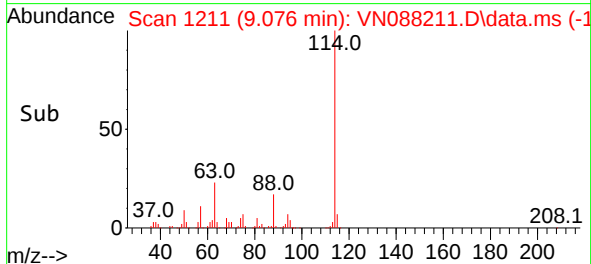
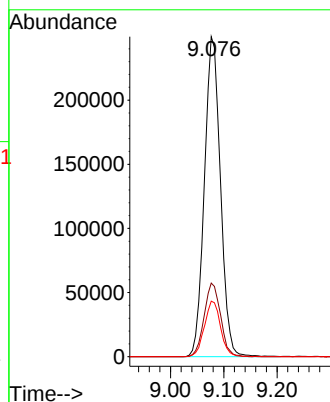
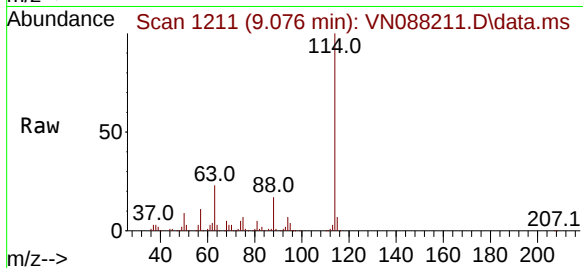
Tgt Ion:114 Resp: 522856

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 17.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.699 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088211.D

Acq: 06 Nov 2025 16:54

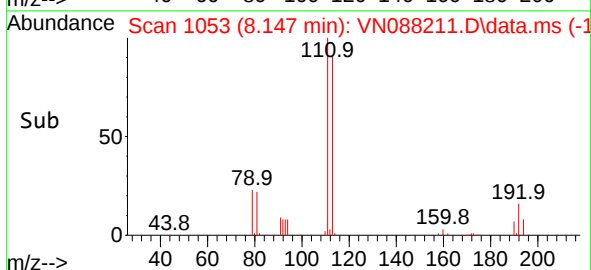
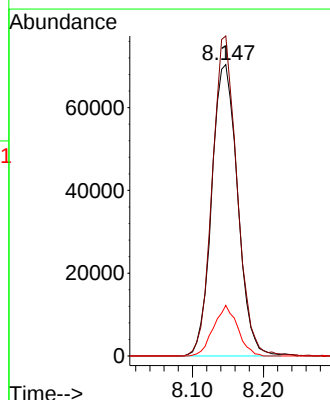
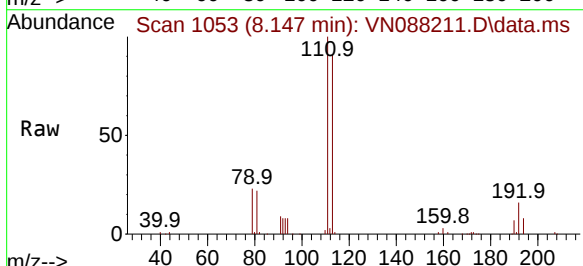
Tgt Ion:113 Resp: 178083

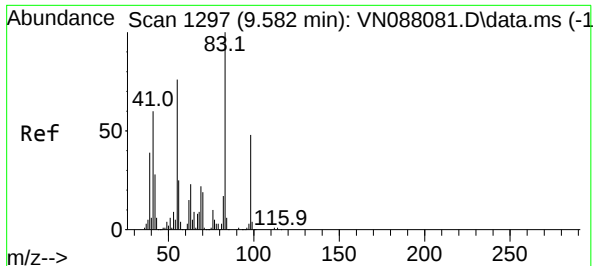
Ion Ratio Lower Upper

113 100

111 105.1 82.8 124.2

192 16.1 12.8 19.2





#39

Methylcyclohexane

Concen: 1.592 ug/l

RT: 9.570 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN088211.D

Acq: 06 Nov 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

2052

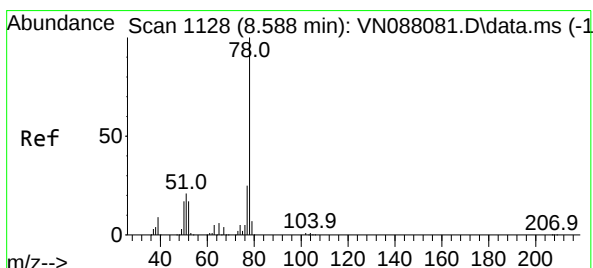
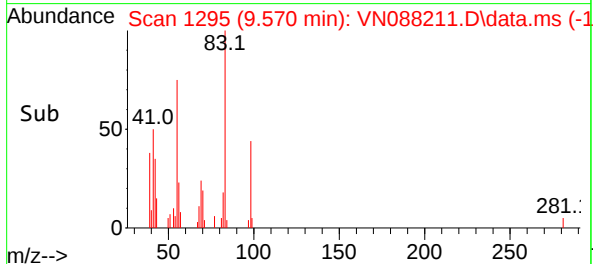
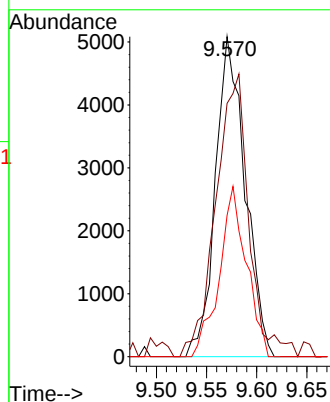
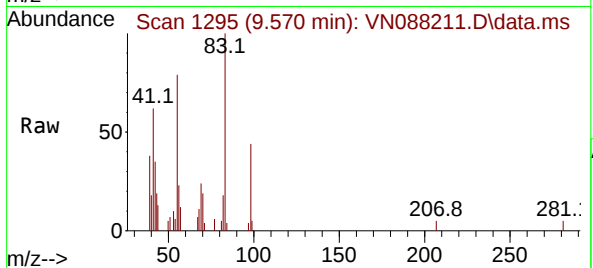
Tgt Ion: 83 Resp: 10498

Ion Ratio Lower Upper

83 100

55 79.1 64.6 96.8

98 44.2 38.4 57.6



#40

Benzene

Concen: 1.481 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN088211.D

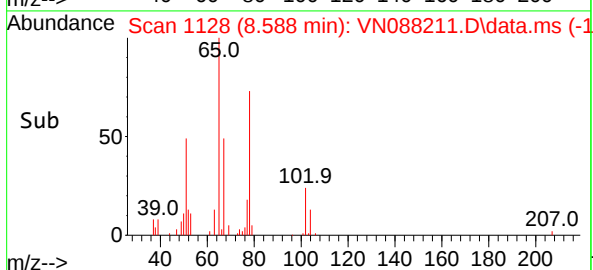
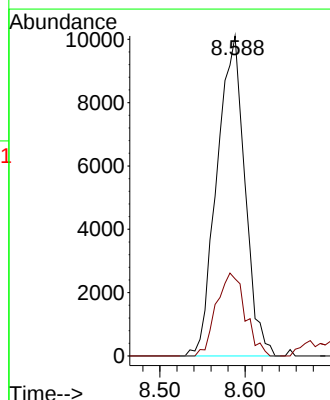
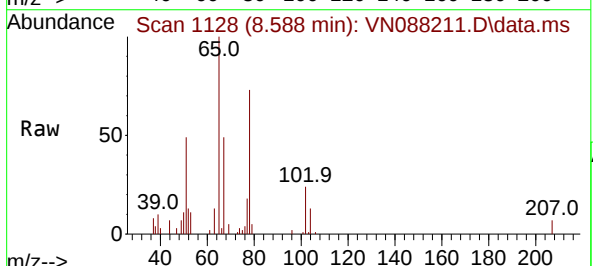
Acq: 06 Nov 2025 16:54

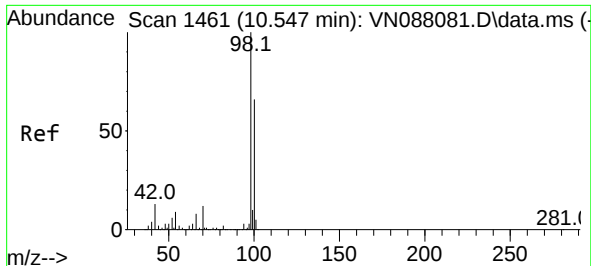
Tgt Ion: 78 Resp: 23131

Ion Ratio Lower Upper

78 100

77 24.1 19.7 29.5

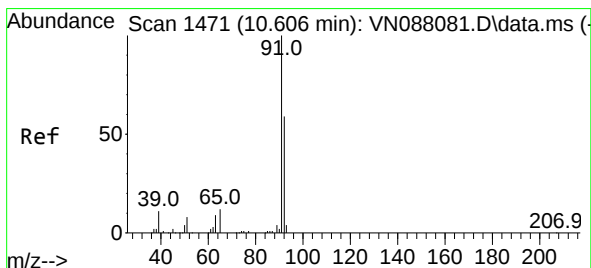
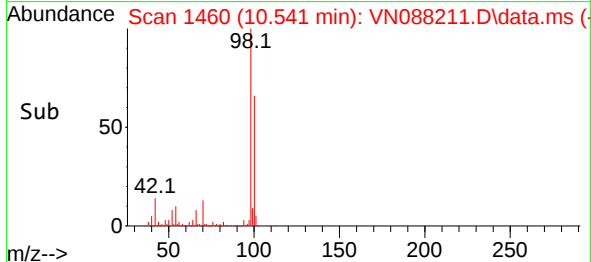
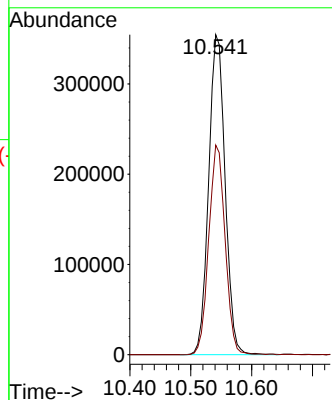
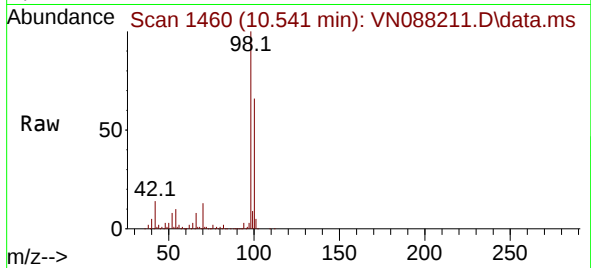




#50
Toluene-d8
Concen: 49.137 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

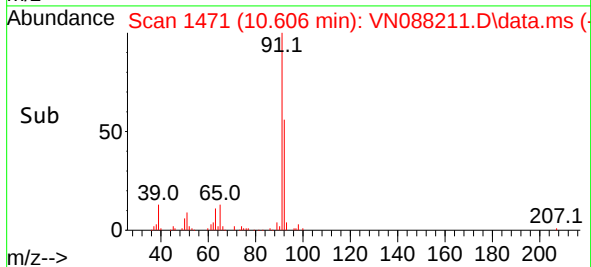
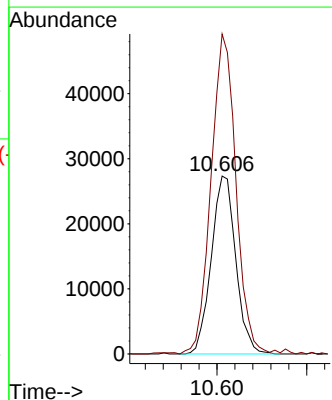
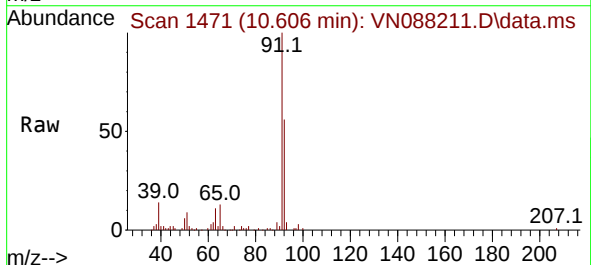
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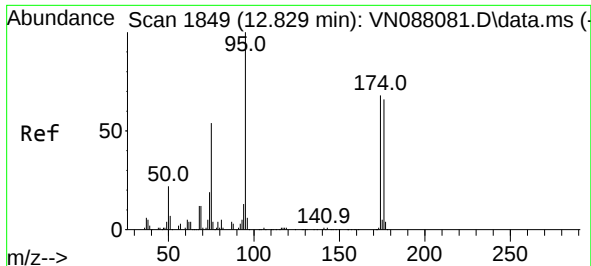
Tgt Ion: 98 Resp: 665050
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#52
Toluene
Concen: 5.372 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 92 Resp: 51737
Ion Ratio Lower Upper
92 100
91 182.2 140.4 210.6

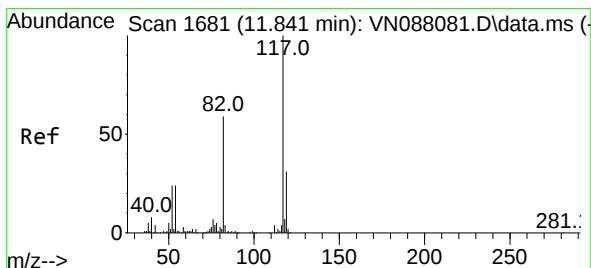
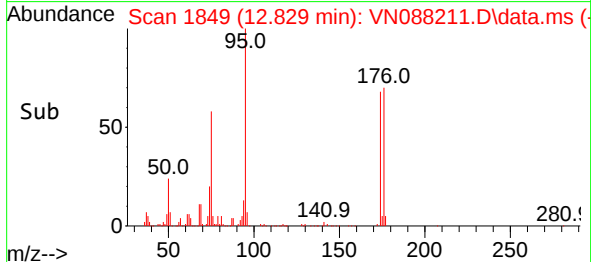
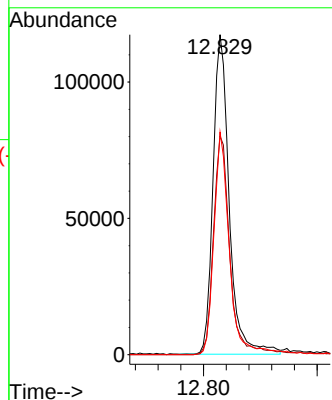
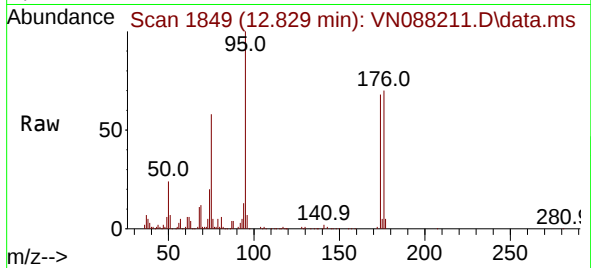




#62
4-Bromofluorobenzene
Concen: 48.456 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

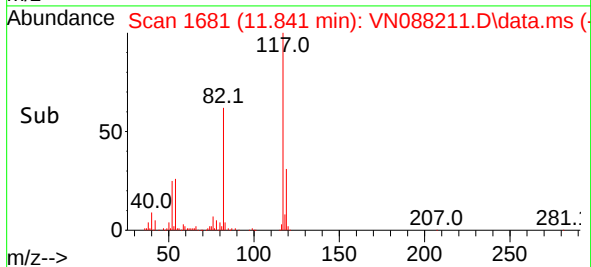
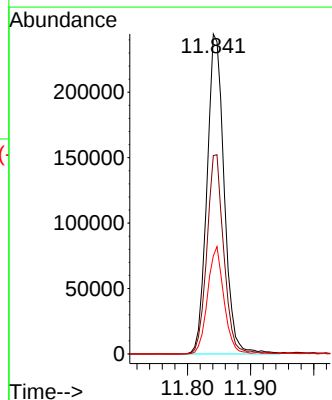
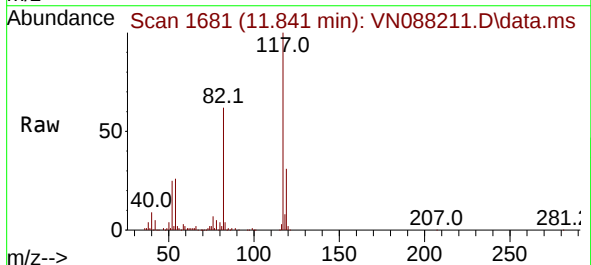
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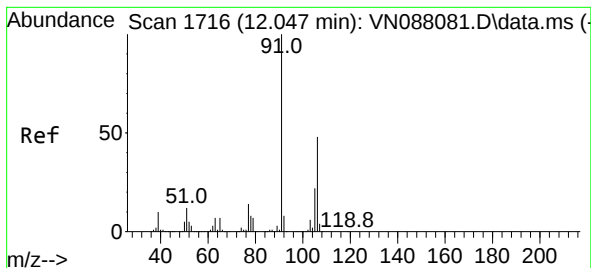
Tgt Ion: 95 Resp: 231615
Ion Ratio Lower Upper
95 100
174 69.2 0.0 138.4
176 67.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 117 Resp: 462937
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 30.7 24.3 36.5

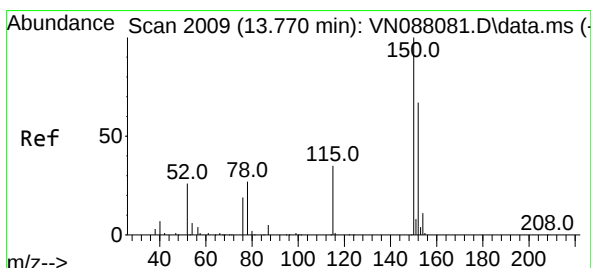
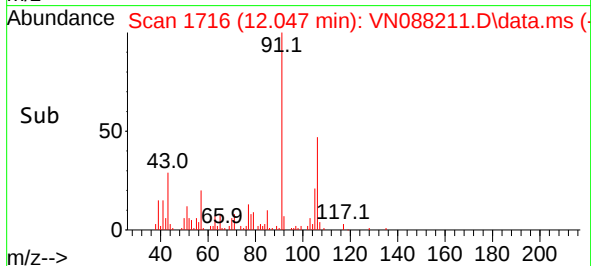
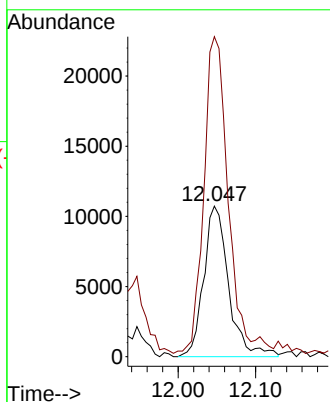
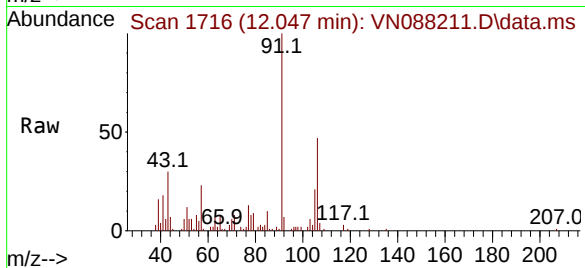




#68
m/p-Xylenes
Concen: 3.469 ug/l
RT: 12.047 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

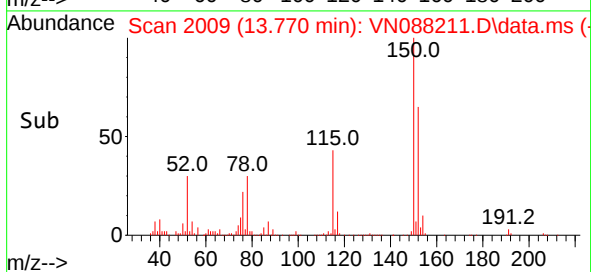
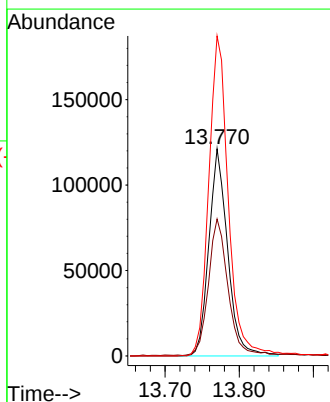
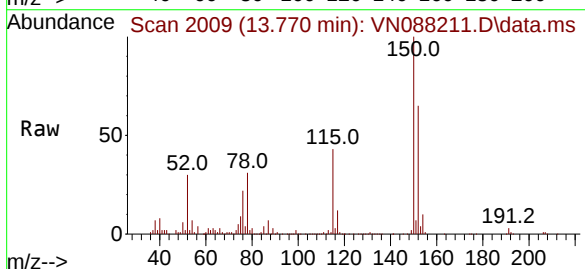
Instrument :
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ClientSampleId :
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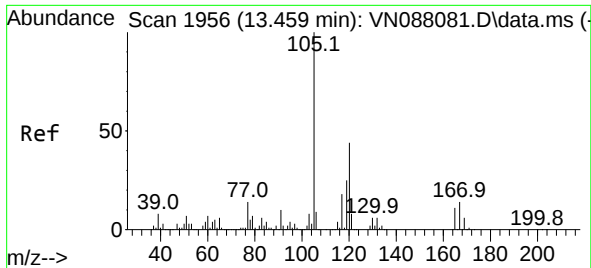
Tgt Ion:106 Resp: 23986
Ion Ratio Lower Upper
106 100
91 207.5 169.3 253.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

Tgt Ion:152 Resp: 214096
Ion Ratio Lower Upper
152 100
115 68.8 32.3 96.8
150 161.2 0.0 351.0





#84
1,2,4-Trimethylbenzene
Concen: 1.284 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN088211.D
Acq: 06 Nov 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :
2052

Tgt Ion:105 Resp: 17617
Ion Ratio Lower Upper
105 100
120 41.5 22.0 66.0

