

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088219.D
 Acq On : 06 Nov 2025 19:39
 Operator : JC\MD
 Sample : Q3536-01
 Misc : 3.15g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-COMP

Quant Time: Nov 07 02:27:03 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)

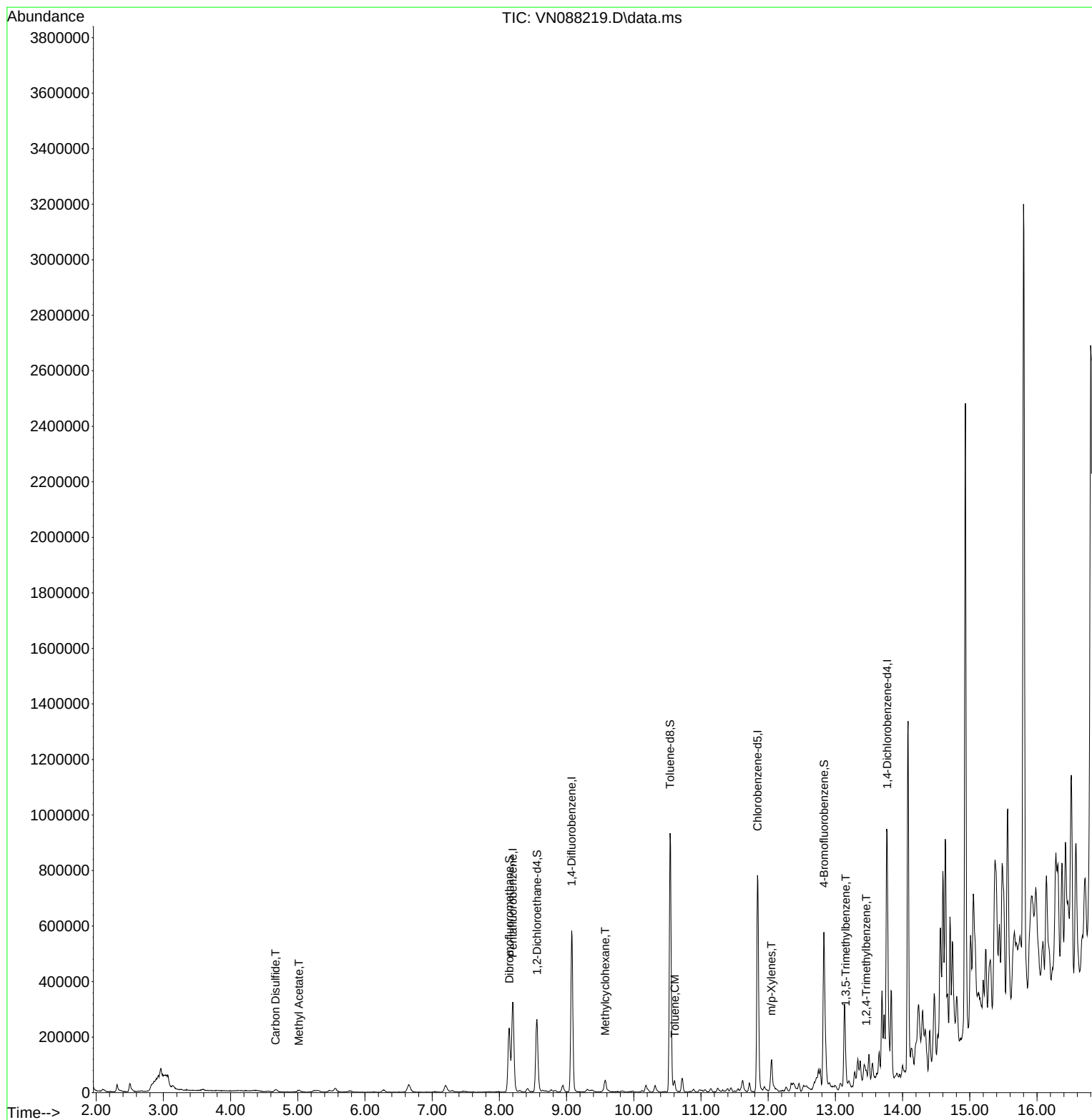
Internal Standards						
1) Pentafluorobenzene	8.200	168	216562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	479417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	438122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	203885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	217780	58.155	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.320%	
35) Dibromofluoromethane	8.147	113	163001	50.610	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.220%	
50) Toluene-d8	10.541	98	612301	49.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.829	95	212806	48.555	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.120%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.671	76	18953	2.291	ug/l	95
18) Methyl Acetate	5.018	43	14875	3.862	ug/l	99
39) Methylcyclohexane	9.576	83	15751	2.606	ug/l	96
52) Toluene	10.612	92	13898	1.574	ug/l	99
68) m/p-Xylenes	12.047	106	15457	2.362	ug/l	94
80) 1,3,5-Trimethylbenzene	13.153	105	19687	1.507	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	35852	2.744	ug/l	97

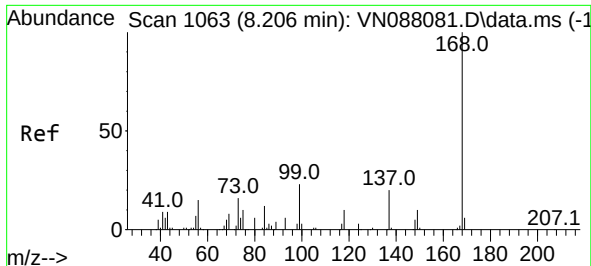
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

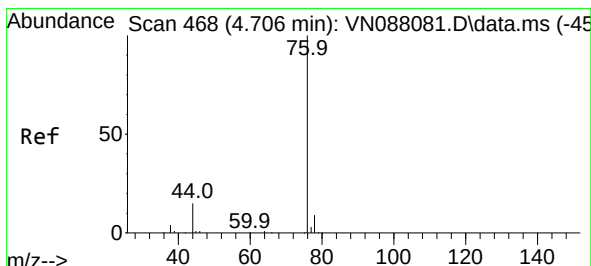
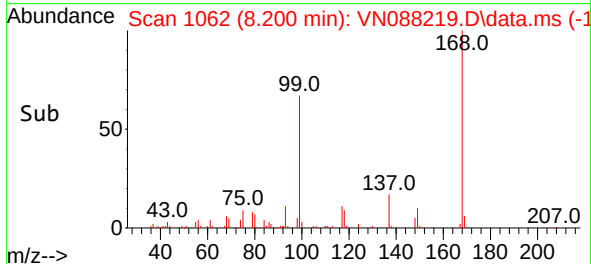
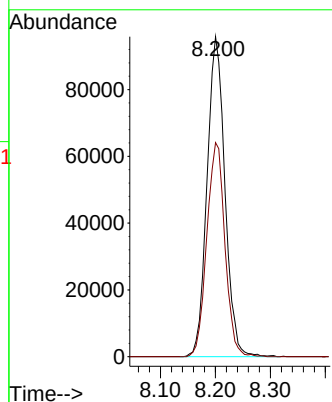
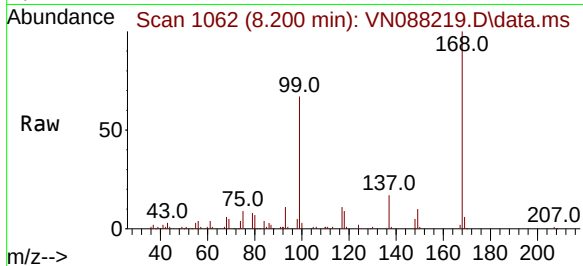




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088219.D
Acq: 06 Nov 2025 19:39

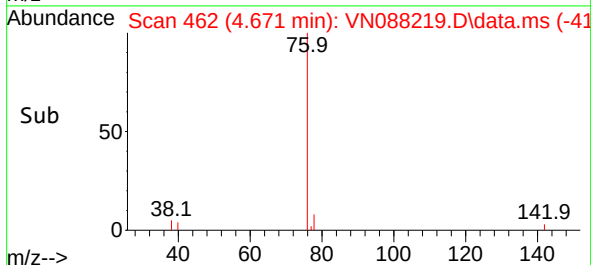
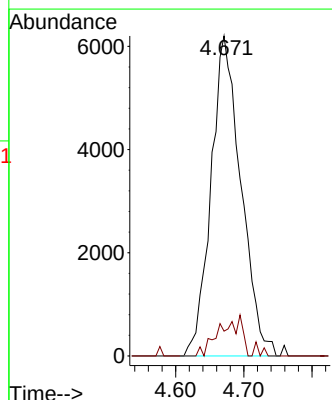
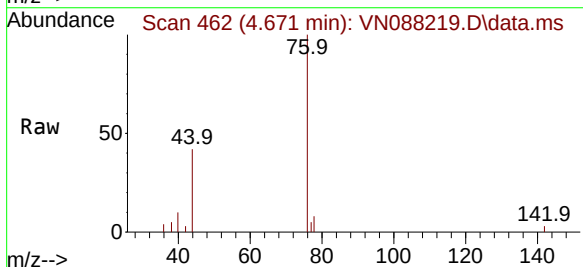
Instrument :
MSVOA_N
ClientSampleId :
FILTER-COMP

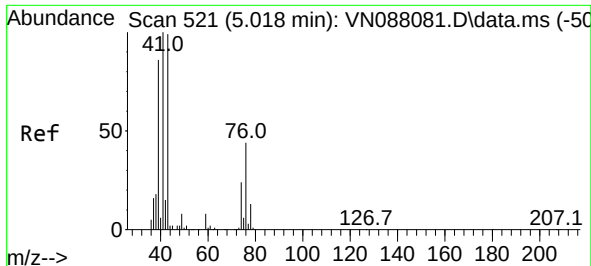
Tgt Ion:168 Resp: 216562
Ion Ratio Lower Upper
168 100
99 66.9 57.2 85.8



#17
Carbon Disulfide
Concen: 2.291 ug/l
RT: 4.671 min Scan# 462
Delta R.T. -0.030 min
Lab File: VN088219.D
Acq: 06 Nov 2025 19:39

Tgt Ion: 76 Resp: 18953
Ion Ratio Lower Upper
76 100
78 7.8 7.6 11.4

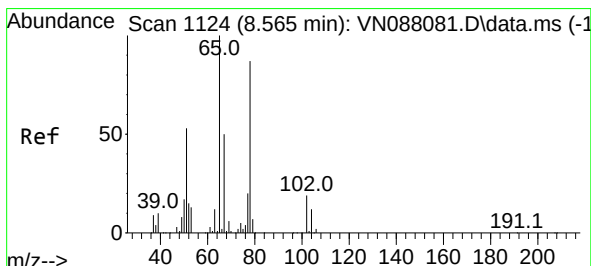
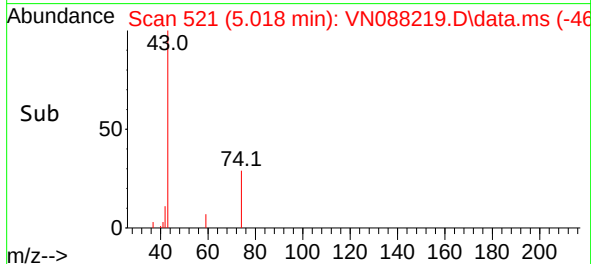
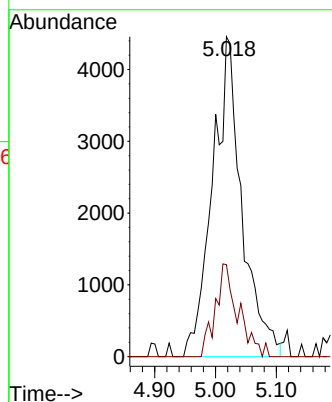
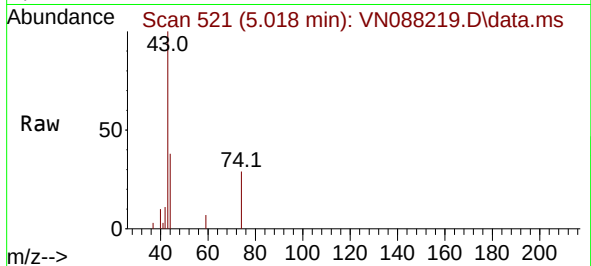




#18
Methyl Acetate
Concen: 3.862 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088219.D
Acq: 06 Nov 2025 19:39

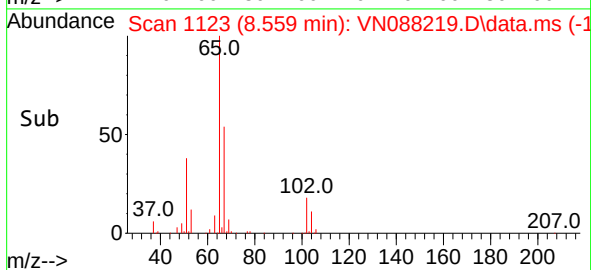
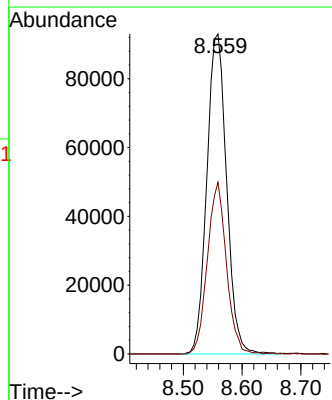
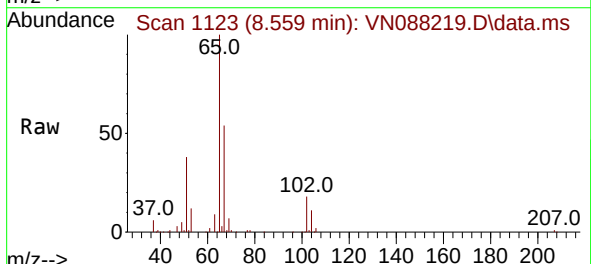
Instrument :
MSVOA_N
ClientSampleId :
FILTER-COMP

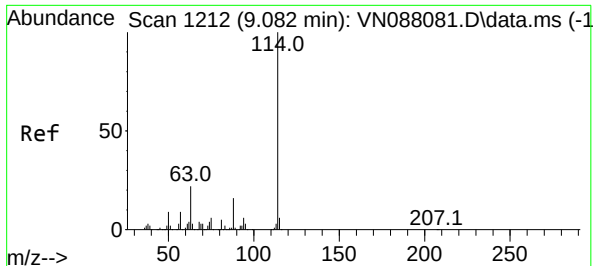
Tgt Ion: 43 Resp: 14875
Ion Ratio Lower Upper
43 100
74 22.7 17.6 26.4



#33
1,2-Dichloroethane-d4
Concen: 58.155 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088219.D
Acq: 06 Nov 2025 19:39

Tgt Ion: 65 Resp: 217780
Ion Ratio Lower Upper
65 100
67 51.6 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: VN088219.D

Acq: 06 Nov 2025 19:39

Instrument :

MSVOA_N

ClientSampleId :

FILTER-COMP

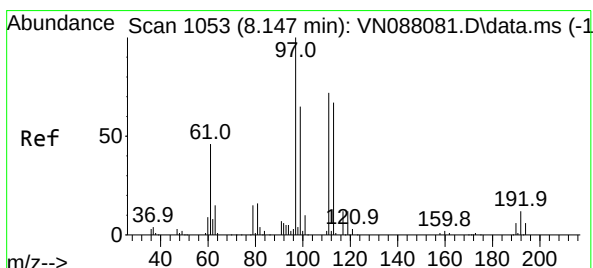
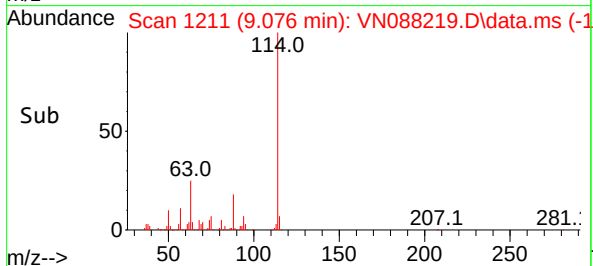
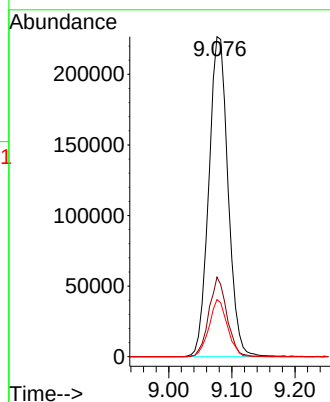
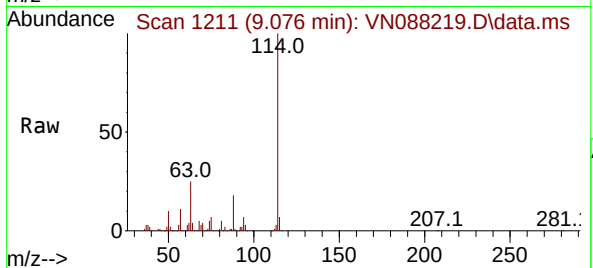
Tgt Ion:114 Resp: 479417

Ion Ratio Lower Upper

114 100

63 24.9 0.0 45.2

88 17.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.610 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088219.D

Acq: 06 Nov 2025 19:39

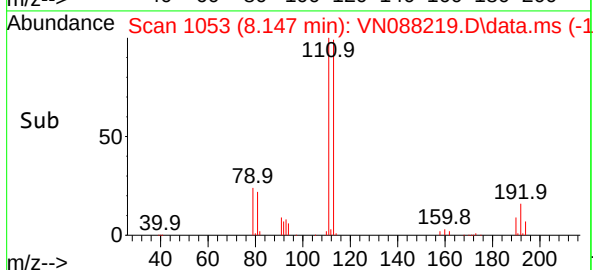
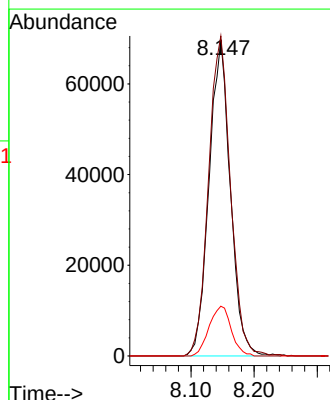
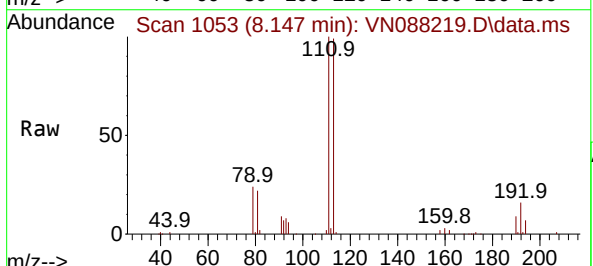
Tgt Ion:113 Resp: 163001

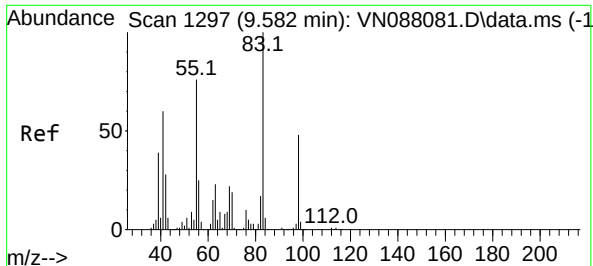
Ion Ratio Lower Upper

113 100

111 104.6 82.8 124.2

192 16.4 12.8 19.2





#39

Methylcyclohexane

Concen: 2.606 ug/l

RT: 9.576 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088219.D

Acq: 06 Nov 2025 19:39

Instrument :

MSVOA_N

ClientSampleId :

FILTER-COMP

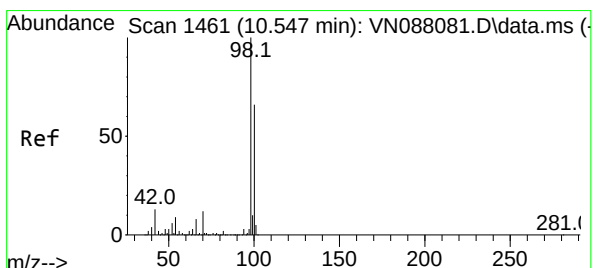
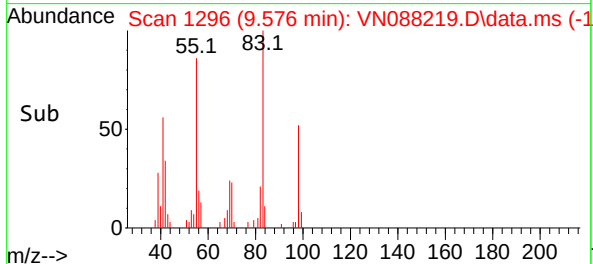
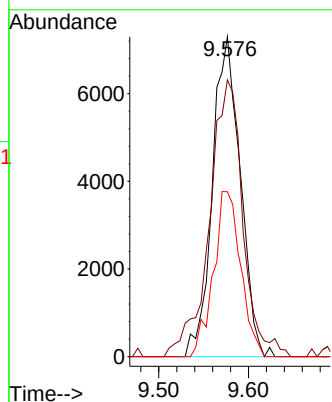
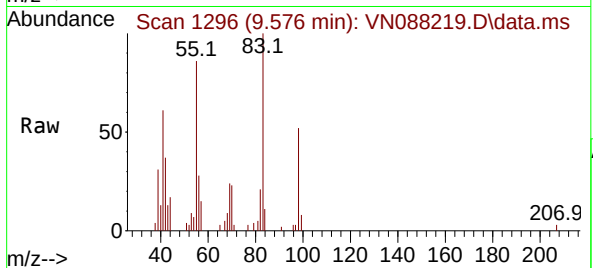
Tgt Ion: 83 Resp: 15751

Ion Ratio Lower Upper

83 100

55 84.2 64.6 96.8

98 51.6 38.4 57.6



#50

Toluene-d8

Concen: 49.339 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088219.D

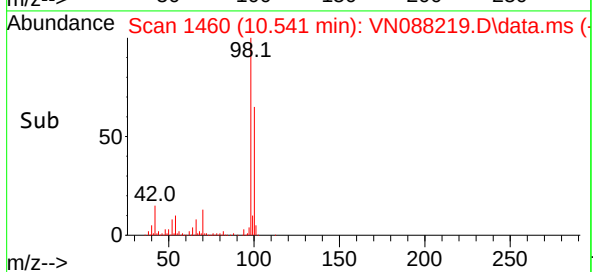
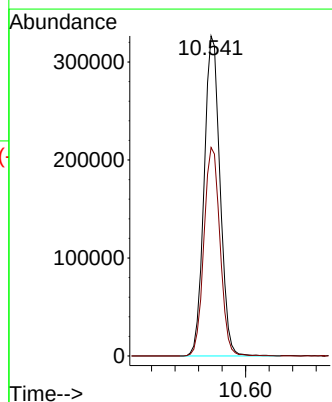
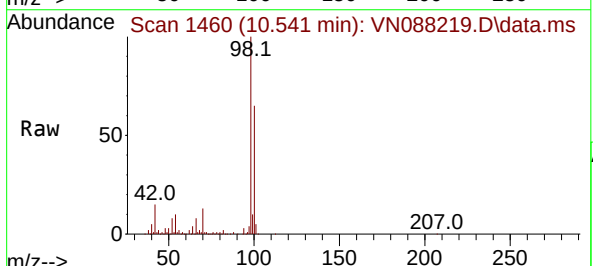
Acq: 06 Nov 2025 19:39

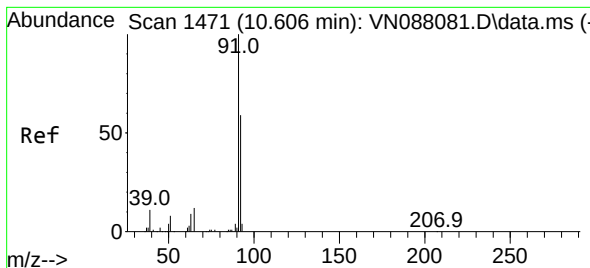
Tgt Ion: 98 Resp: 612301

Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2





#52

Toluene

Concen: 1.574 ug/l

RT: 10.612 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VN088219.D

Acq: 06 Nov 2025 19:39

Instrument :

MSVOA_N

ClientSampleId :

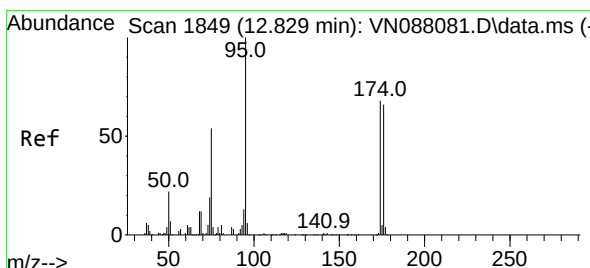
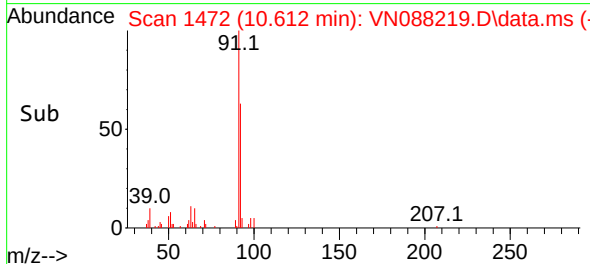
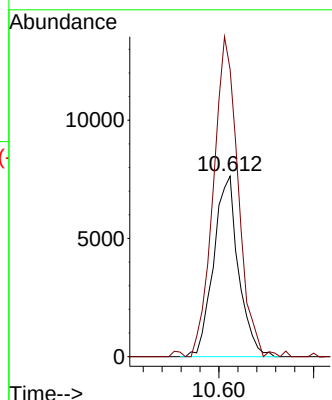
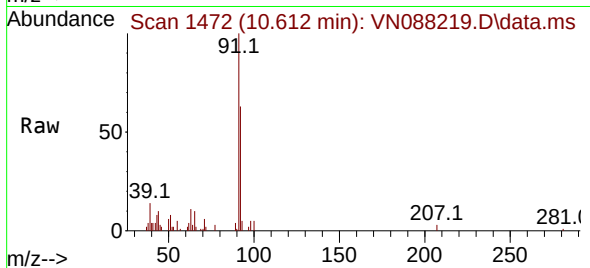
FILTER-COMP

Tgt Ion: 92 Resp: 13898

Ion Ratio Lower Upper

92 100

91 177.1 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 48.555 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088219.D

Acq: 06 Nov 2025 19:39

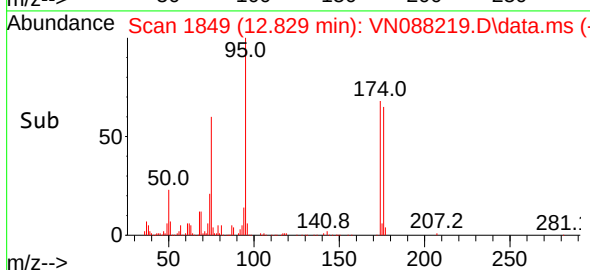
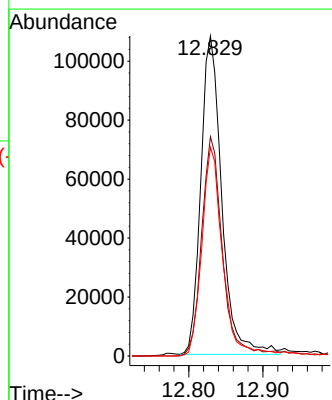
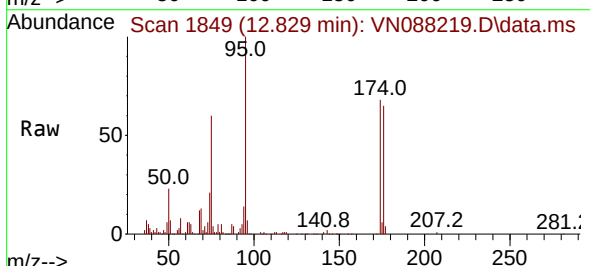
Tgt Ion: 95 Resp: 212806

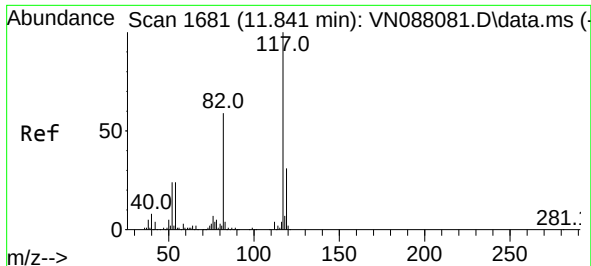
Ion Ratio Lower Upper

95 100

174 67.3 0.0 138.4

176 64.5 0.0 132.6

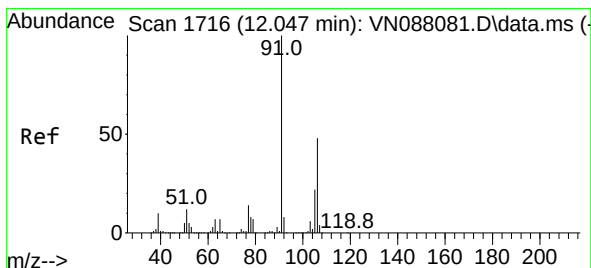
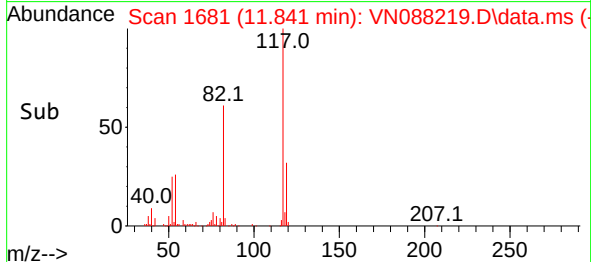
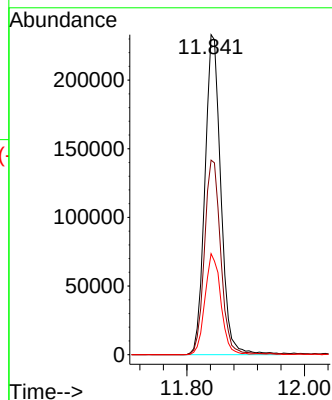
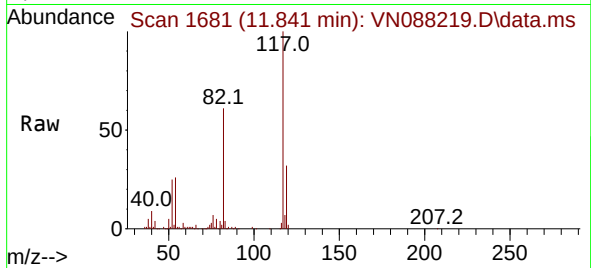




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088219.D
Acq: 06 Nov 2025 19:39

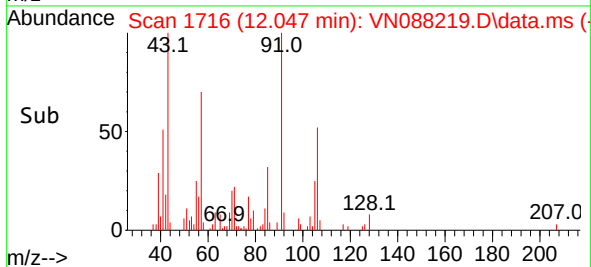
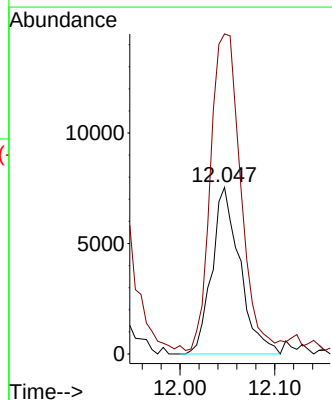
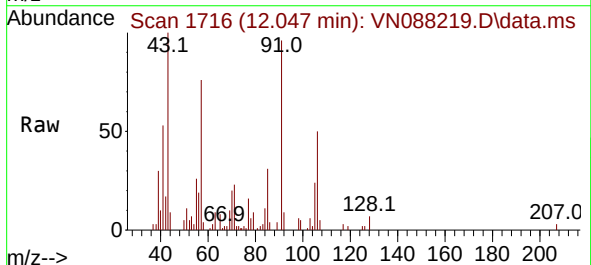
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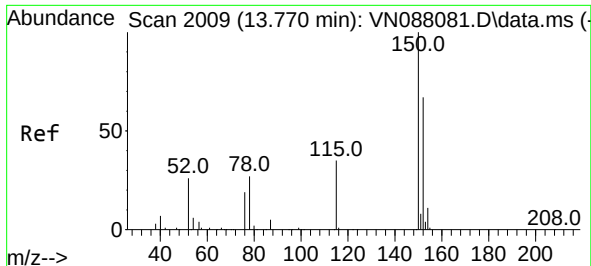
Tgt Ion:117 Resp: 438122
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.5 24.3 36.5



#68
m/p-Xylenes
Concen: 2.362 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088219.D
Acq: 06 Nov 2025 19:39

Tgt Ion:106 Resp: 15457
Ion Ratio Lower Upper
106 100
91 203.0 169.3 253.9

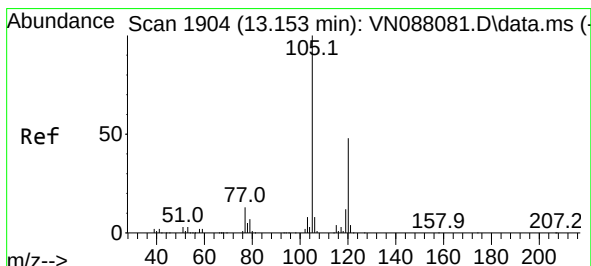
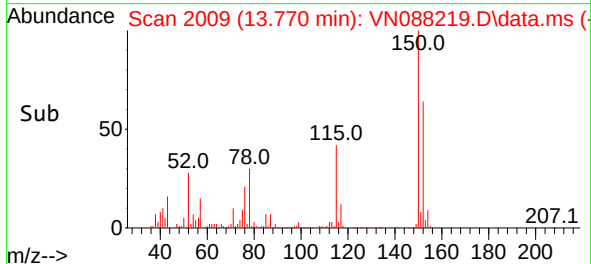
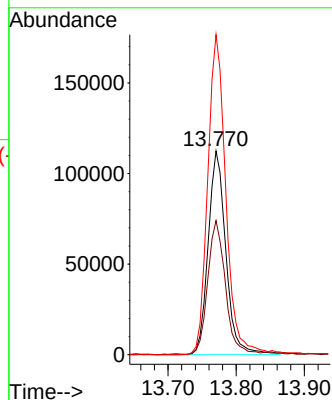
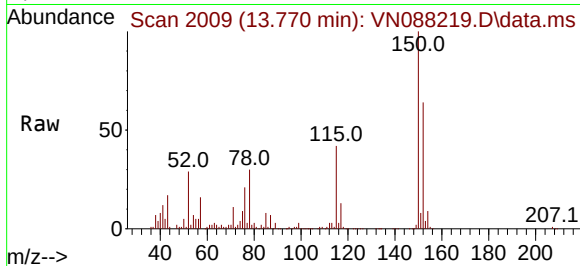




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088219.D
 Acq: 06 Nov 2025 19:39

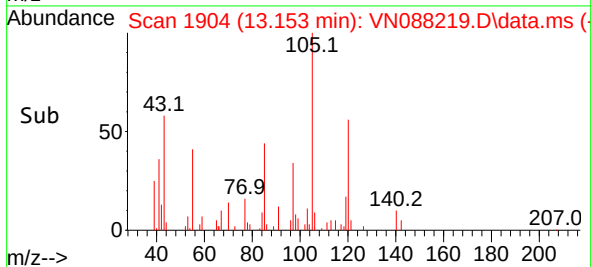
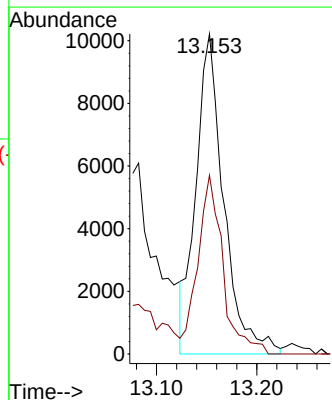
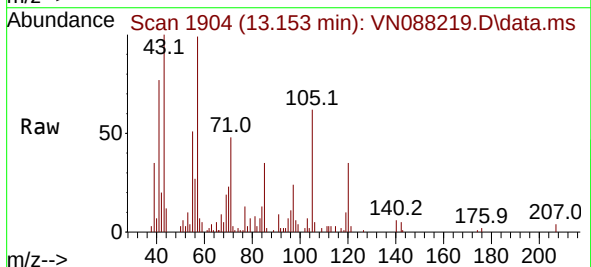
Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-COMP

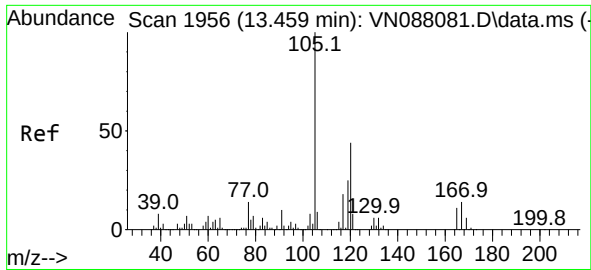
Tgt Ion:152 Resp: 203885
 Ion Ratio Lower Upper
 152 100
 115 65.9 32.3 96.8
 150 161.3 0.0 351.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.507 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VN088219.D
 Acq: 06 Nov 2025 19:39

Tgt Ion:105 Resp: 19687
 Ion Ratio Lower Upper
 105 100
 120 50.5 23.2 69.6





#84

1,2,4-Trimethylbenzene

Concen: 2.744 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088219.D

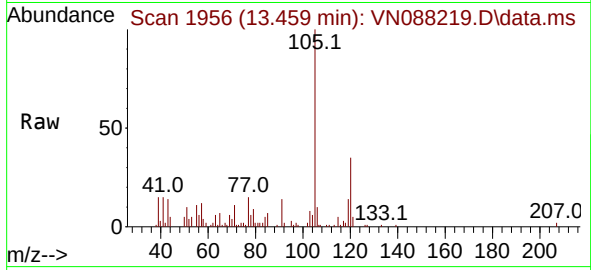
Acq: 06 Nov 2025 19:39

Instrument :

MSVOA_N

ClientSampleId :

FILTER-COMP



Tgt Ion:	105	Resp:	35852
Ion Ratio	Lower	Upper	
105	100		
120	42.2	22.0	66.0

