

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087563.D
 Acq On : 14 Aug 2025 14:14
 Operator : JC\MD
 Sample : Q2838-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

Quant Time: Aug 14 15:25:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

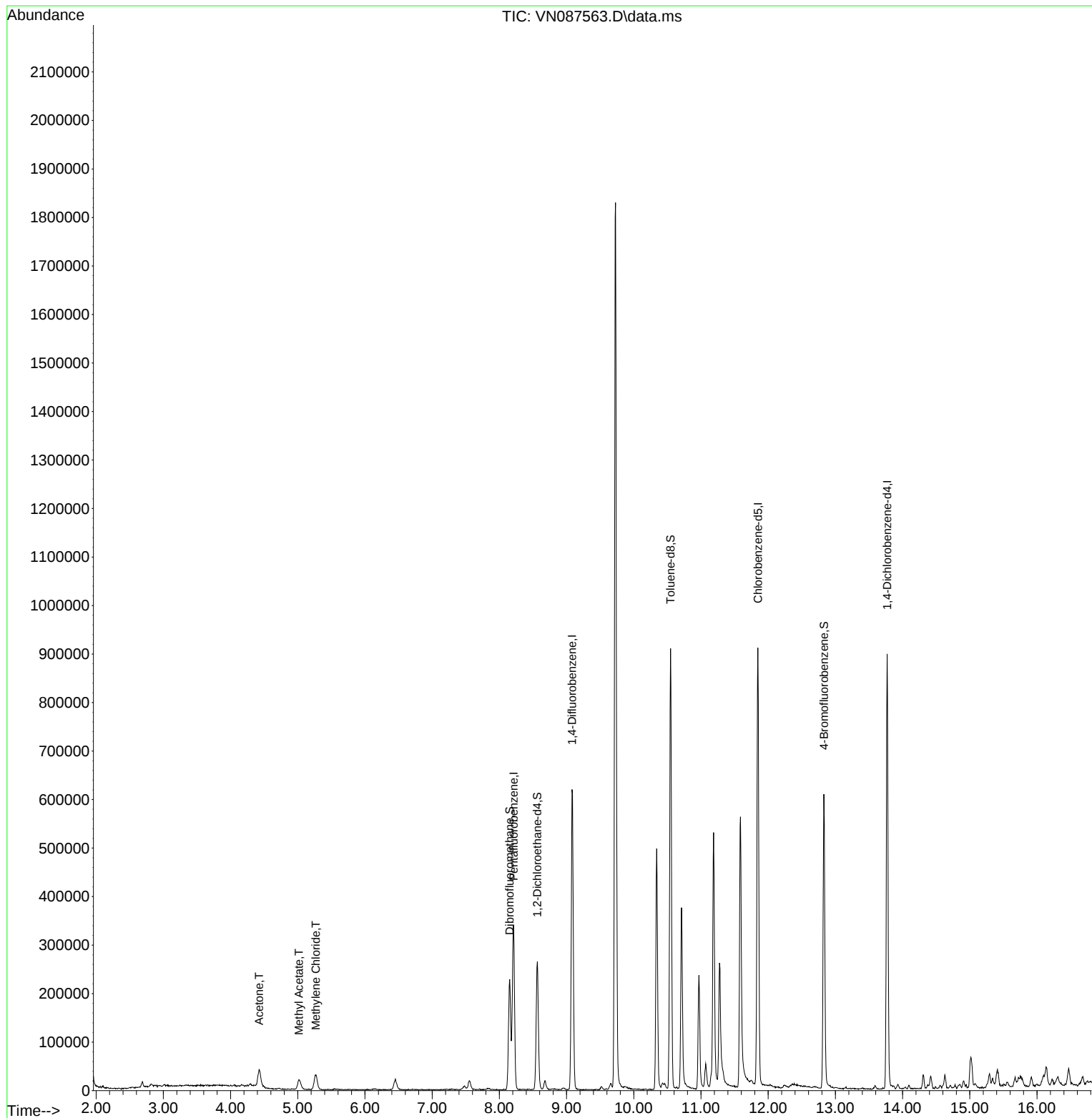
Internal Standards						
1) Pentafluorobenzene	8.212	168	224842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	507918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	489215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	218641	57.310	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	114.620%	
35) Dibromofluoromethane	8.153	113	160097	45.695	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	91.380%	
50) Toluene-d8	10.547	98	587894	47.040	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	94.080%	
62) 4-Bromofluorobenzene	12.829	95	209709	45.418	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	90.840%	
Target Compounds						
						Qvalue
16) Acetone	4.424	43	65693	36.725	ug/l	95
18) Methyl Acetate	5.018	43	46294	10.301	ug/l	98
20) Methylene Chloride	5.271	84	23296	7.155	ug/l #	94

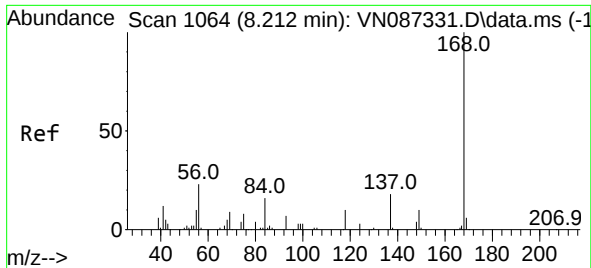
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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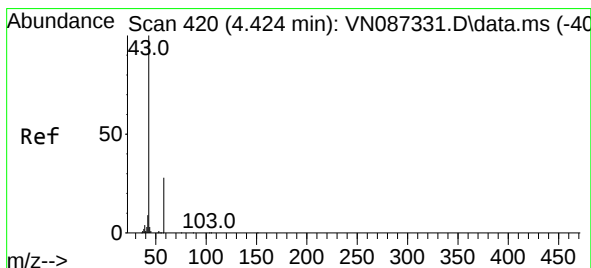
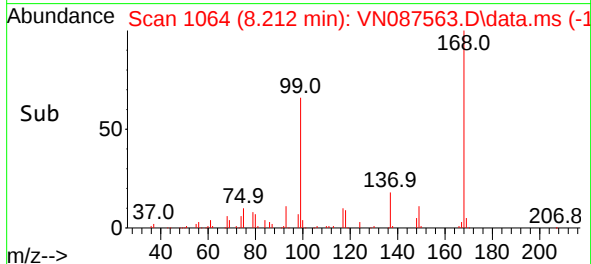
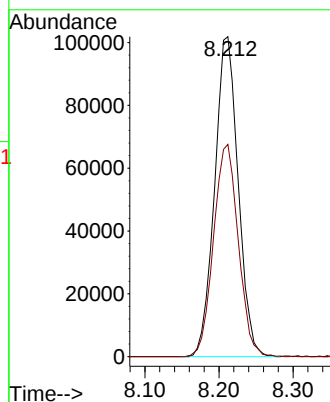
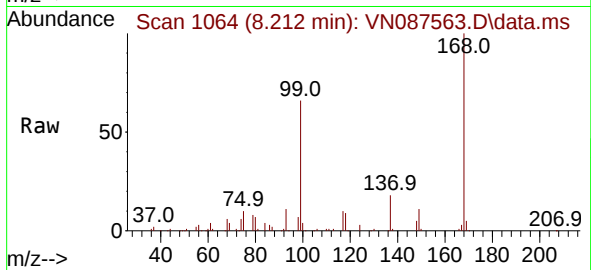




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

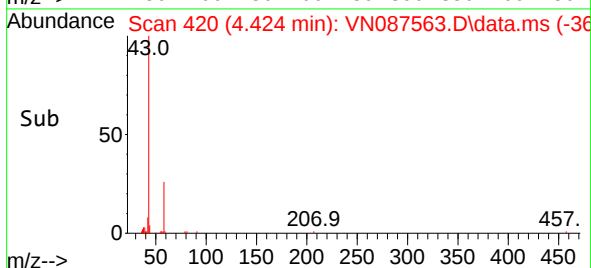
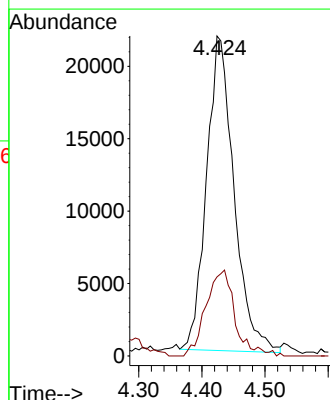
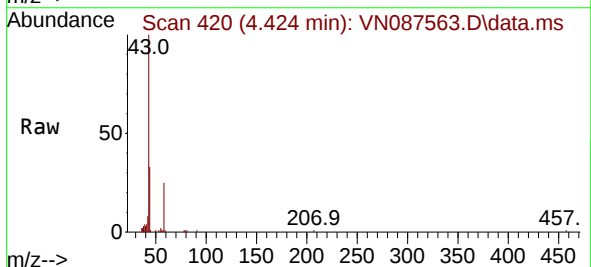
Instrument :
MSVOA_N
ClientSampleId :
TP-11

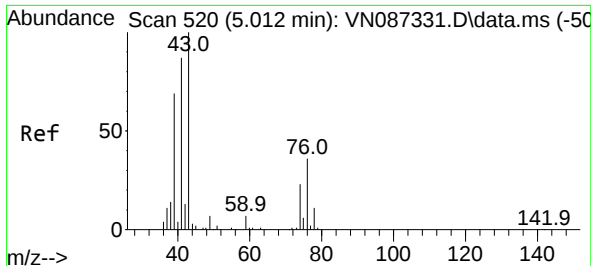
Tgt Ion:168 Resp: 224842
Ion Ratio Lower Upper
168 100
99 66.4 47.9 71.9



#16
Acetone
Concen: 36.725 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

Tgt Ion: 43 Resp: 65693
Ion Ratio Lower Upper
43 100
58 25.2 22.3 33.5

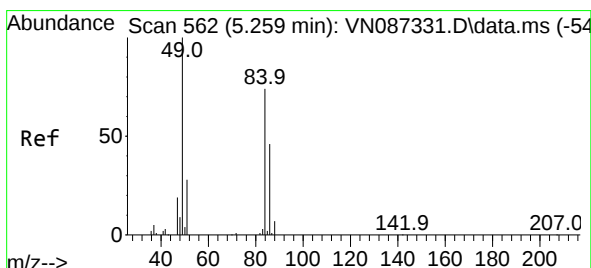
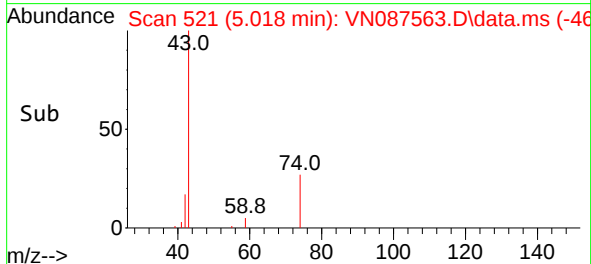
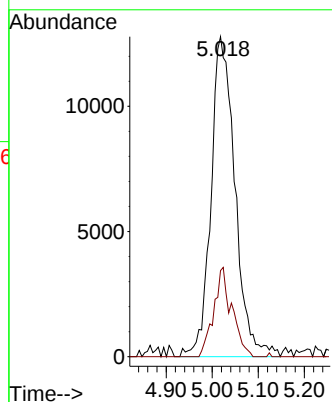
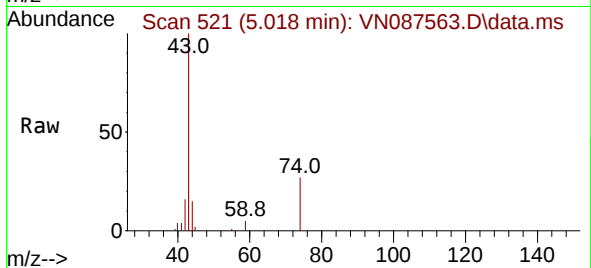




#18
Methyl Acetate
Concen: 10.301 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

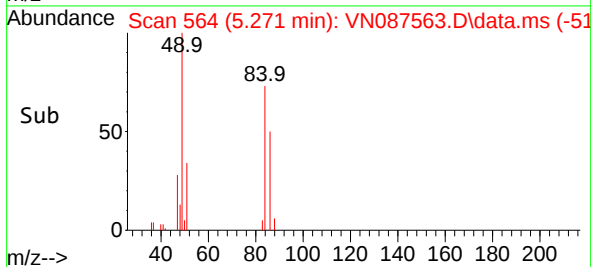
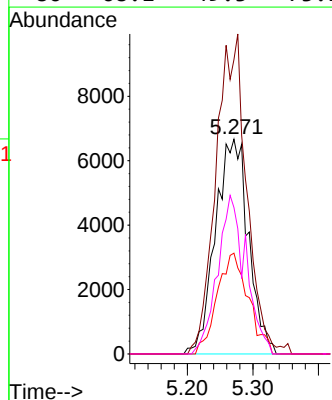
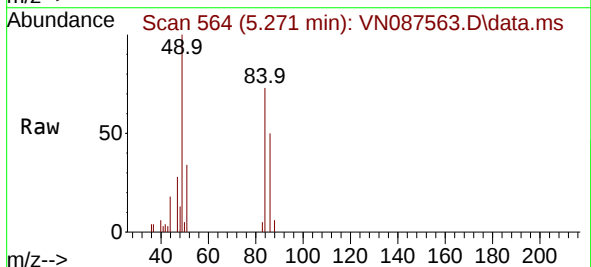
Instrument :
MSVOA_N
ClientSampleId :
TP-11

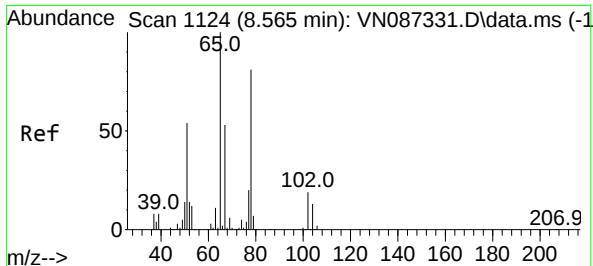
Tgt Ion: 43 Resp: 46294
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.6



#20
Methylene Chloride
Concen: 7.155 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.012 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

Tgt Ion: 84 Resp: 23296
Ion Ratio Lower Upper
84 100
49 137.1 107.5 161.3
51 47.0 30.2 45.2#
86 68.1 49.3 73.9

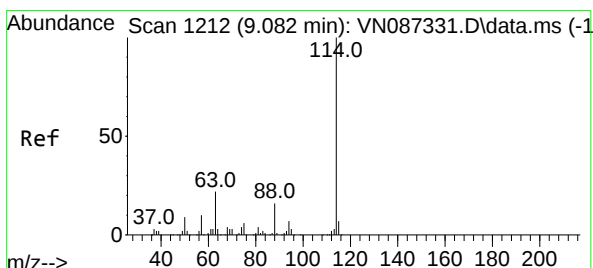
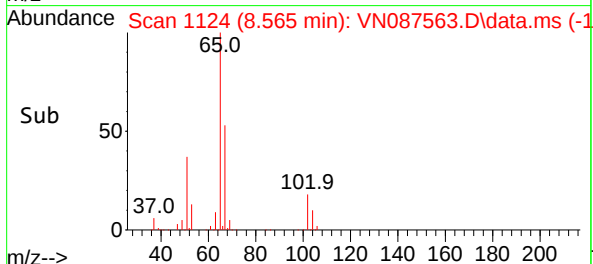
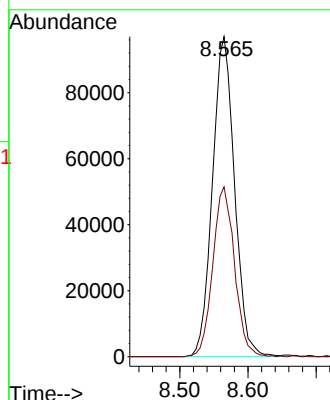
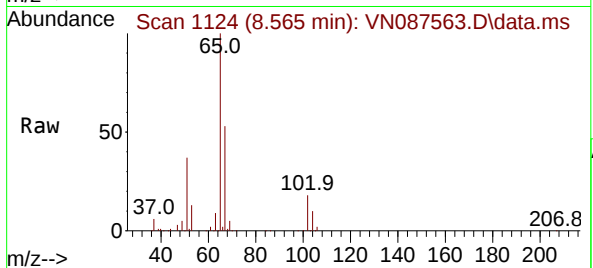




#33
1,2-Dichloroethane-d4
Concen: 57.310 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

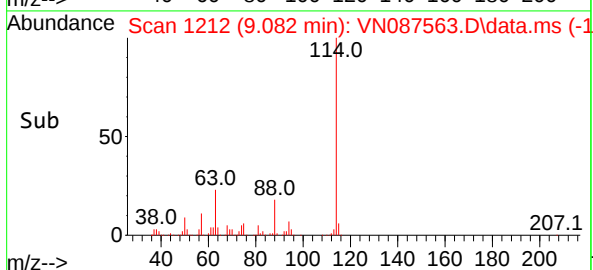
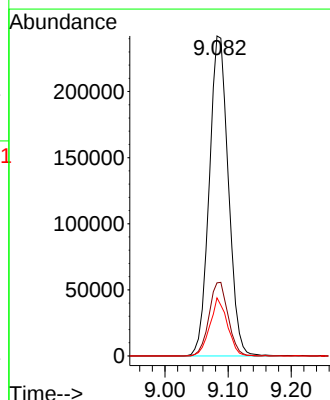
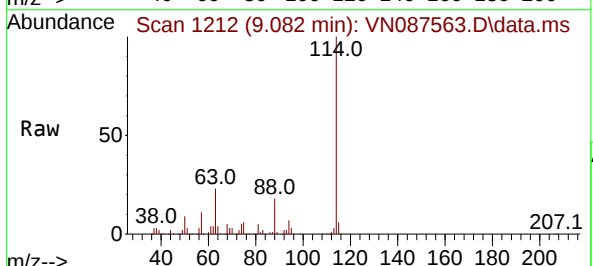
Instrument :
MSVOA_N
ClientSampleId :
TP-11

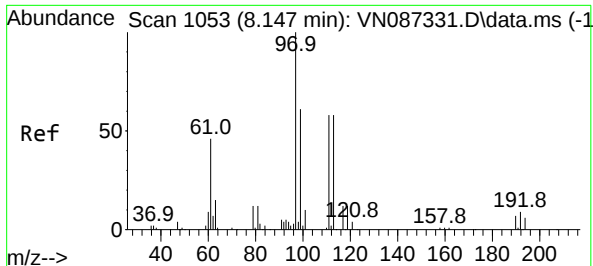
Tgt Ion: 65 Resp: 218641
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

Tgt Ion: 114 Resp: 507918
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.6
88 18.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.695 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087563.D

Acq: 14 Aug 2025 14:14

Instrument :

MSVOA_N

ClientSampleId :

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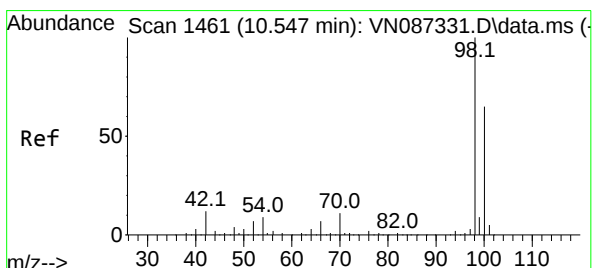
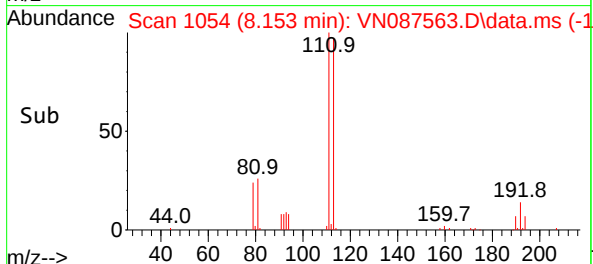
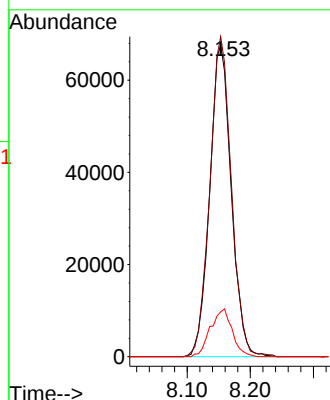
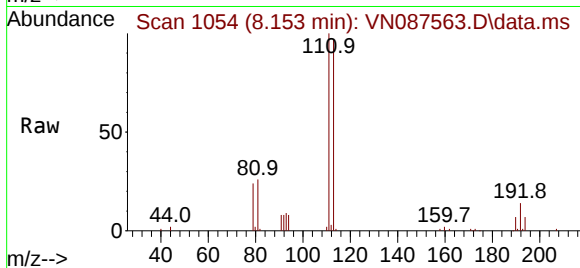
Tgt Ion:113 Resp: 160097

Ion Ratio Lower Upper

113 100

111 102.4 82.5 123.7

192 15.5 13.7 20.5



#50

Toluene-d8

Concen: 47.040 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087563.D

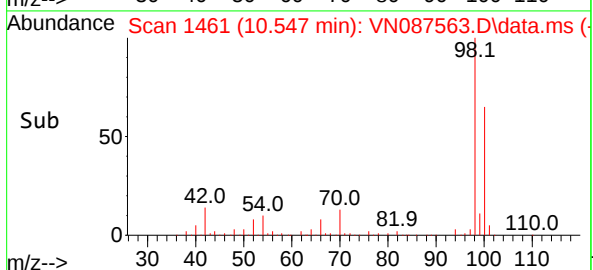
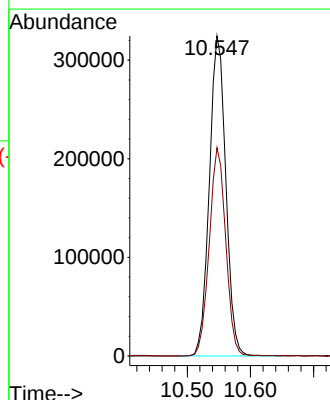
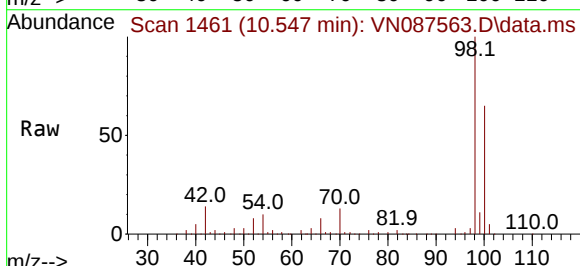
Acq: 14 Aug 2025 14:14

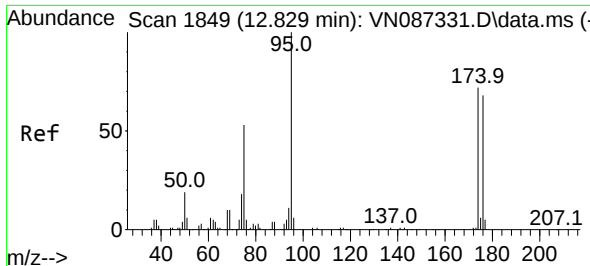
Tgt Ion: 98 Resp: 587894

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1

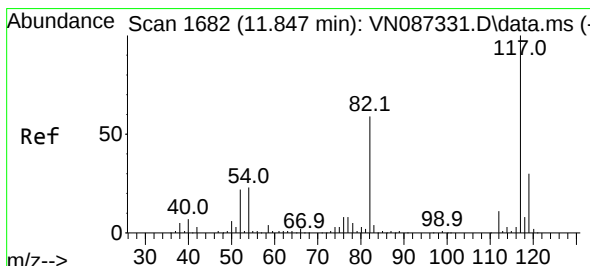
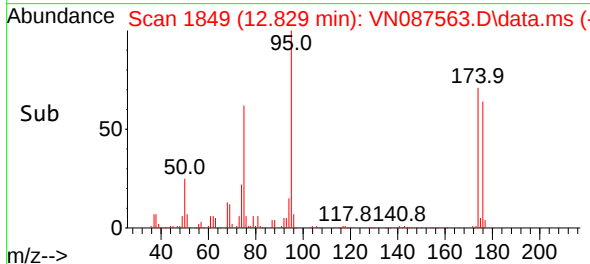
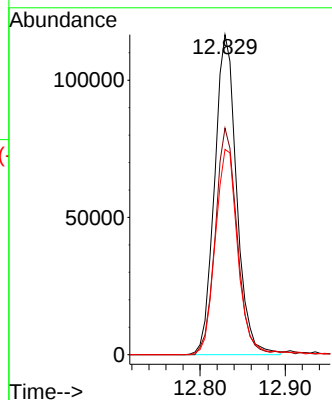
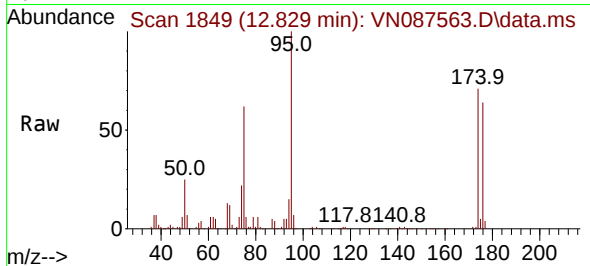




#62
4-Bromofluorobenzene
Concen: 45.418 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

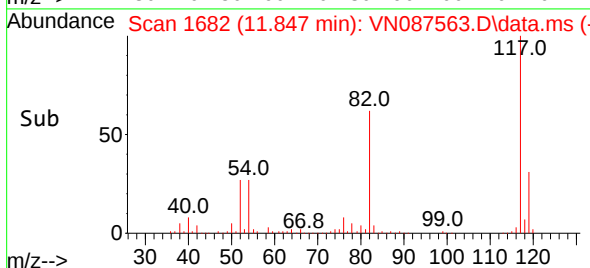
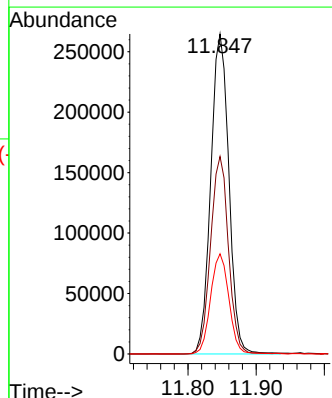
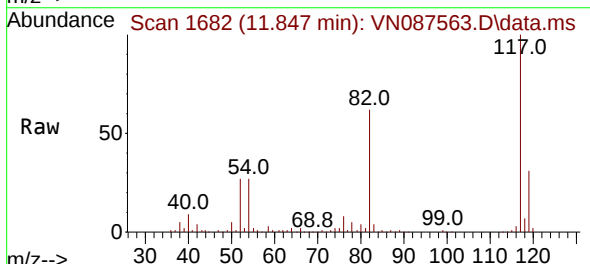
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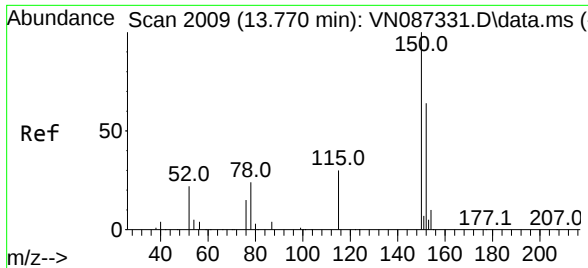
Tgt Ion: 95 Resp: 209709
Ion Ratio Lower Upper
95 100
174 70.4 0.0 149.4
176 66.8 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087563.D
Acq: 14 Aug 2025 14:14

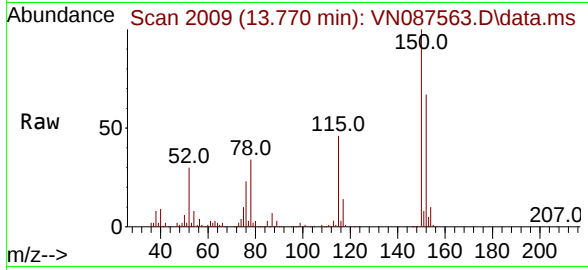
Tgt Ion: 117 Resp: 489215
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 31.3 23.8 35.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087563.D
 Acq: 14 Aug 2025 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11



Tgt Ion:152 Resp: 221171
 Ion Ratio Lower Upper
 152 100
 115 66.1 31.1 93.5
 150 158.2 0.0 349.0

