

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087582.D
 Acq On : 15 Aug 2025 15:19
 Operator : JC\MD
 Sample : Q2864-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-25-122-126

Quant Time: Aug 18 05:44:59 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)

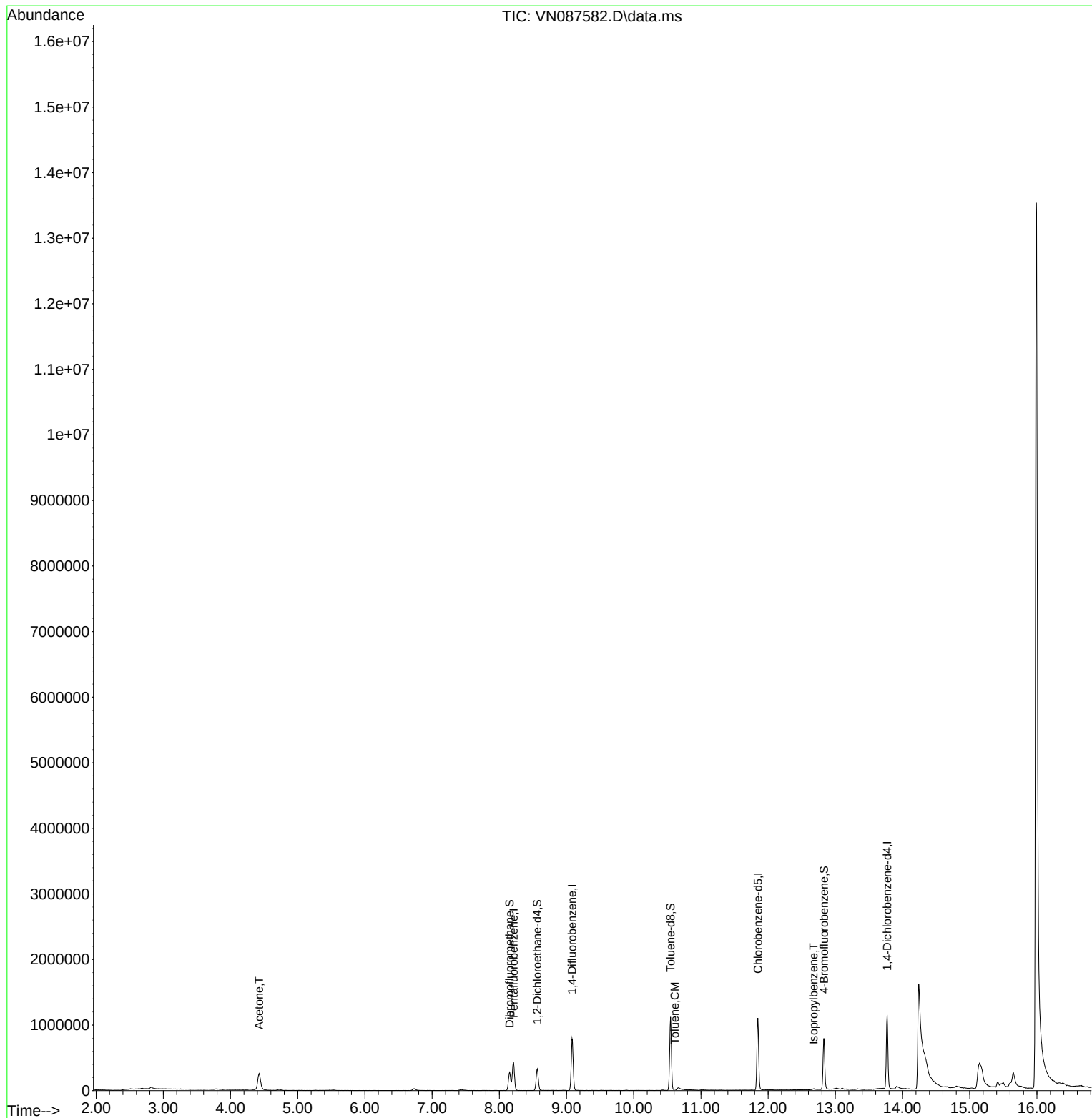
Internal Standards						
1) Pentafluorobenzene	8.212	168	283272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	641823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	589000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	285041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	272912	56.780	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.560%
35) Dibromofluoromethane	8.153	113	196879	44.469	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.940%
50) Toluene-d8	10.547	98	725706	45.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.900%
62) 4-Bromofluorobenzene	12.829	95	277581	47.575	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.140%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	475520	211.001	ug/l	96
52) Toluene	10.612	92	5950	0.518	ug/l	78
73) Isopropylbenzene	12.676	105	7584	0.423	ug/l	93

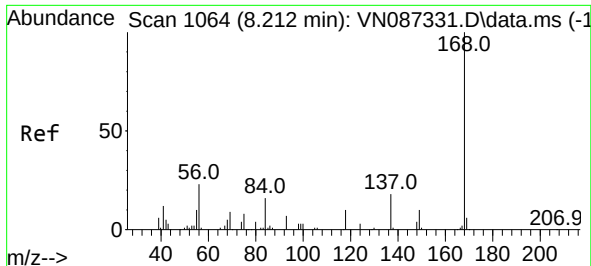
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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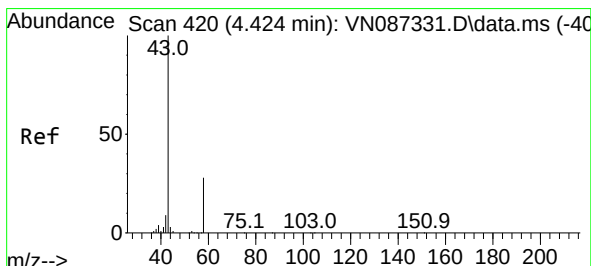
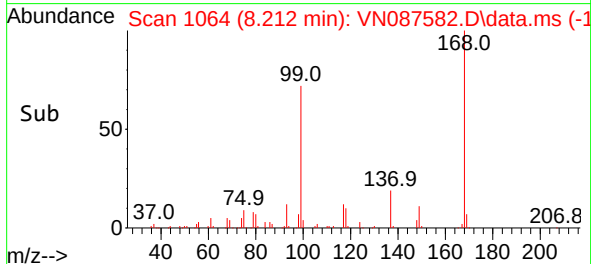
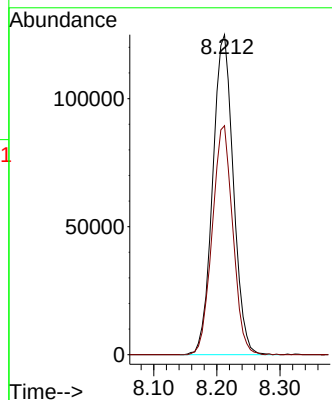
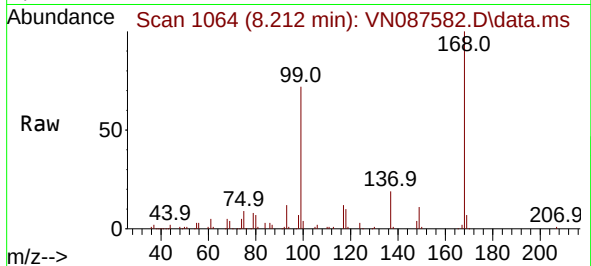




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

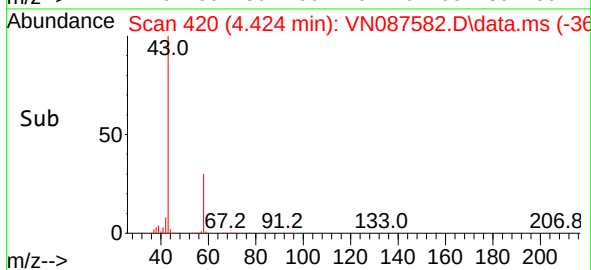
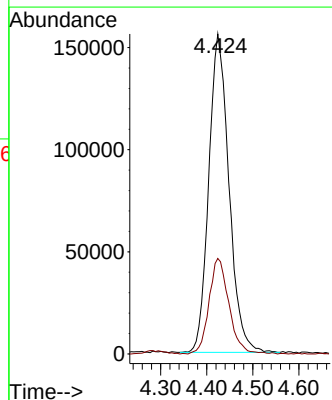
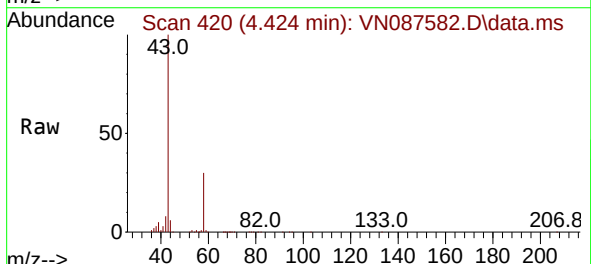
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-122-126

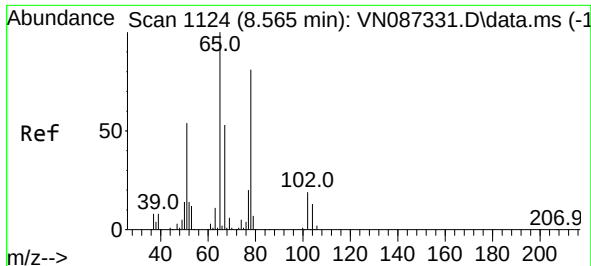
Tgt Ion:168 Resp: 283272
Ion Ratio Lower Upper
168 100
99 71.5 47.9 71.9



#16
Acetone
Concen: 211.001 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

Tgt Ion: 43 Resp: 475520
Ion Ratio Lower Upper
43 100
58 30.0 22.3 33.5





#33

1,2-Dichloroethane-d4

Concen: 56.780 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087582.D

Acq: 15 Aug 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

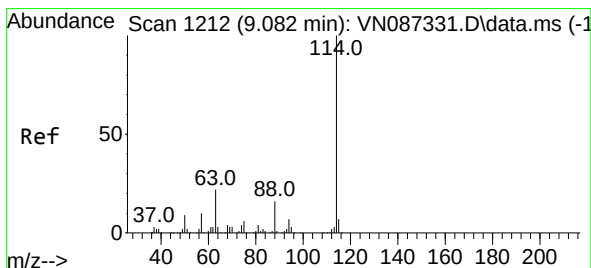
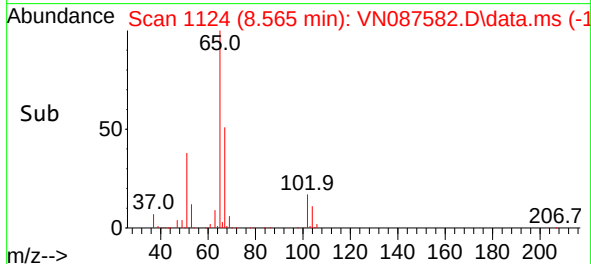
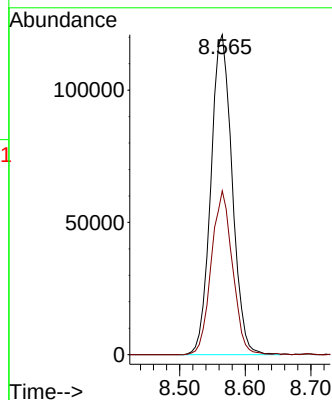
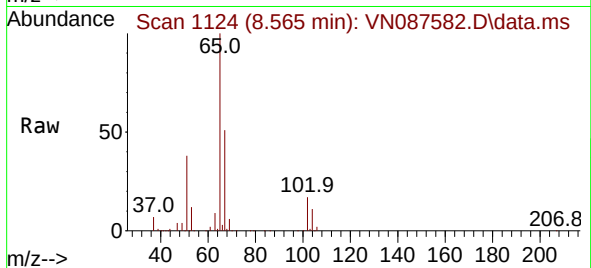
LAW-25-122-126

Tgt Ion: 65 Resp: 272912

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087582.D

Acq: 15 Aug 2025 15:19

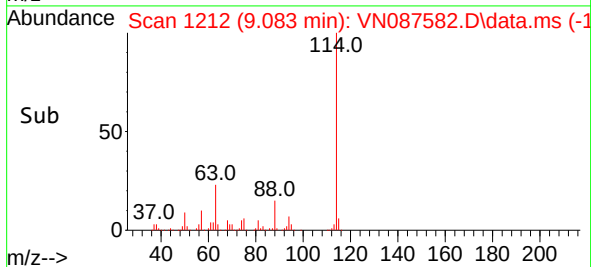
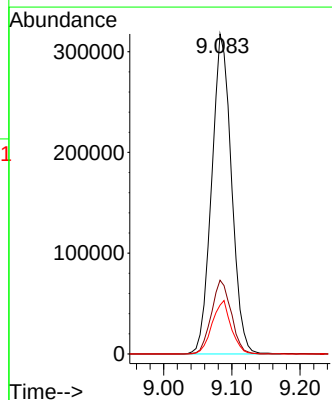
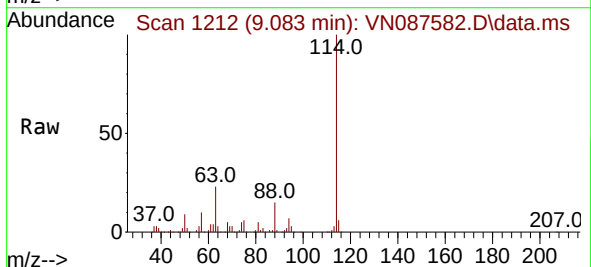
Tgt Ion: 114 Resp: 641823

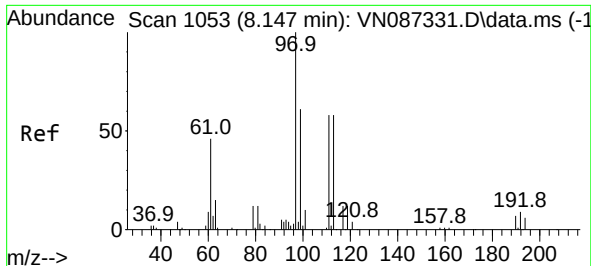
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.469 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087582.D

Acq: 15 Aug 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

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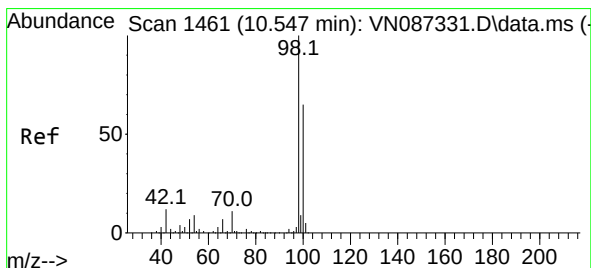
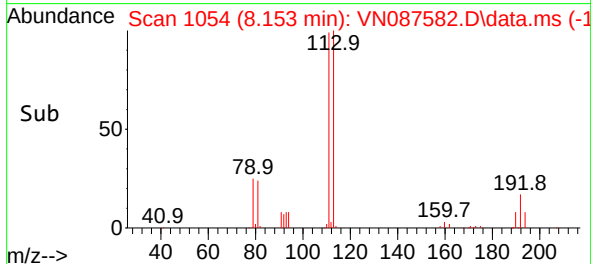
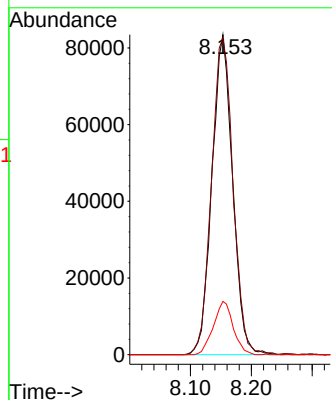
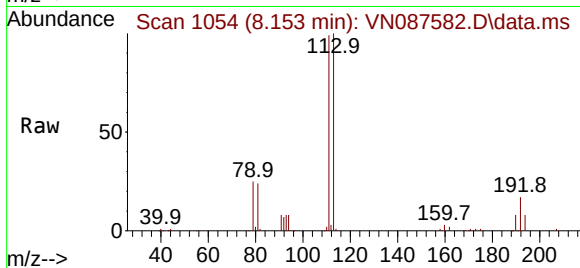
Tgt Ion:113 Resp: 196879

Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 15.9 13.7 20.5



#50

Toluene-d8

Concen: 45.952 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087582.D

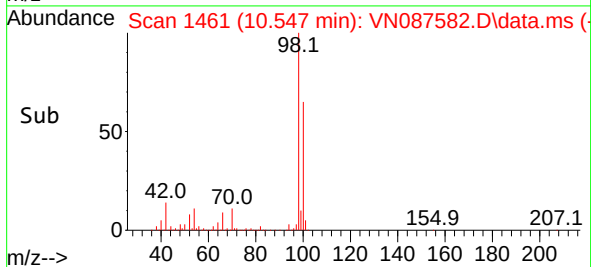
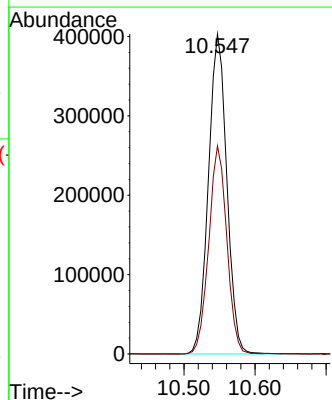
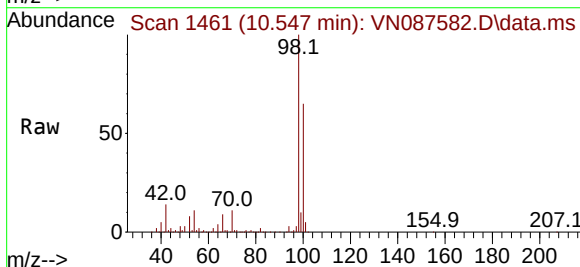
Acq: 15 Aug 2025 15:19

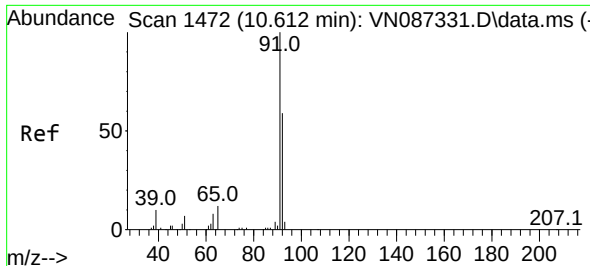
Tgt Ion: 98 Resp: 725706

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1

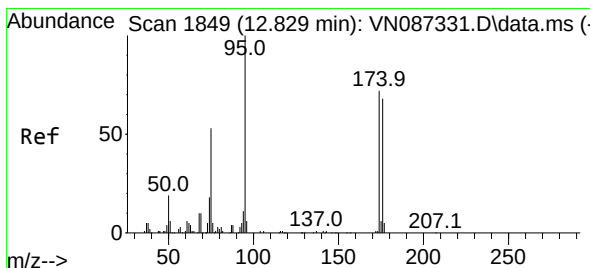
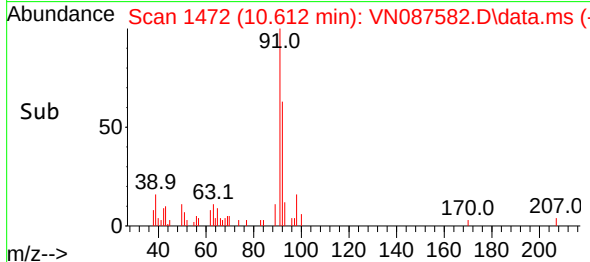
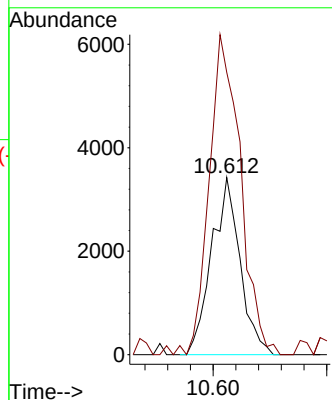
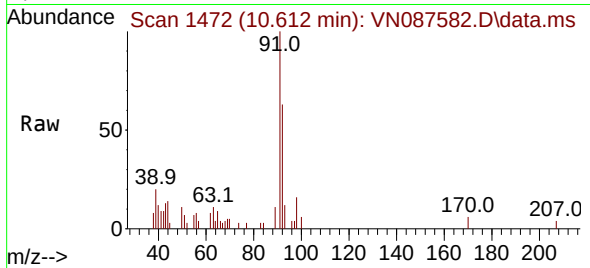




#52
Toluene
Concen: 0.518 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

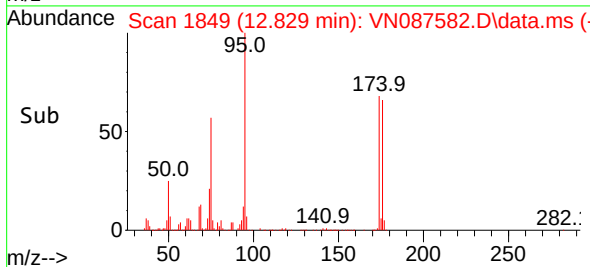
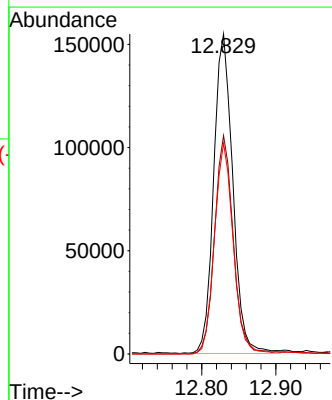
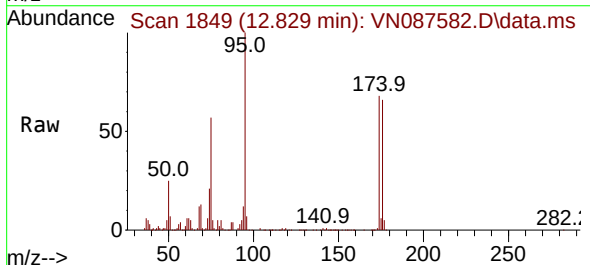
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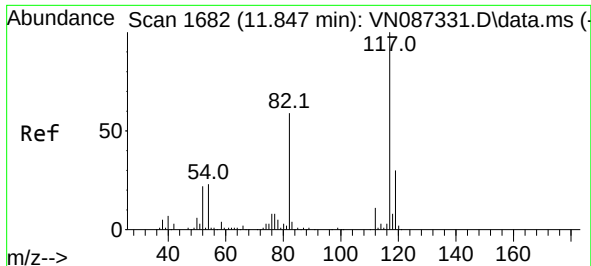
Tgt Ion: 92 Resp: 5950
Ion Ratio Lower Upper
92 100
91 198.5 135.1 202.7



#62
4-Bromofluorobenzene
Concen: 47.575 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

Tgt Ion: 95 Resp: 277581
Ion Ratio Lower Upper
95 100
174 67.0 0.0 149.4
176 65.4 0.0 141.2

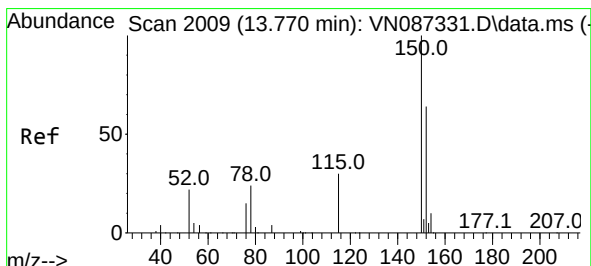
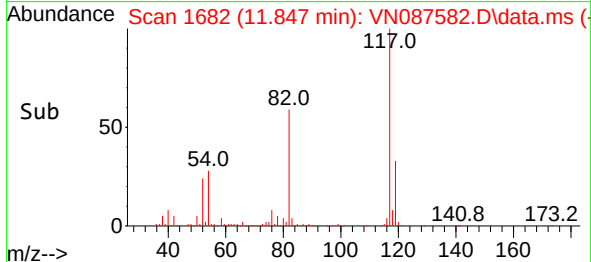
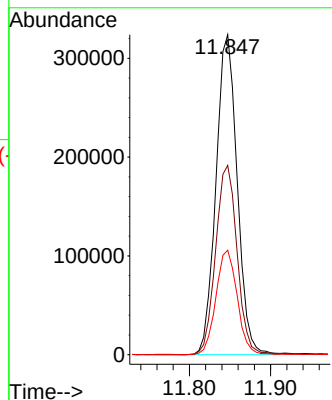
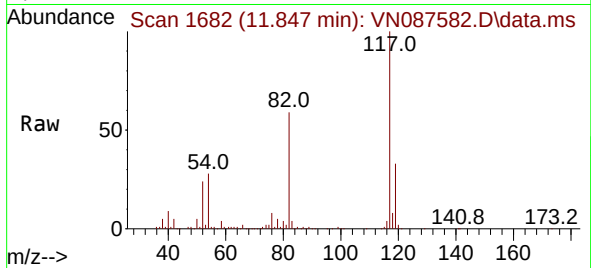




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

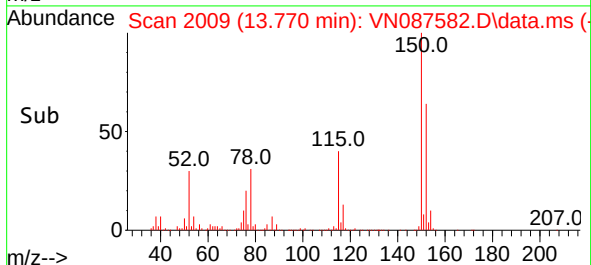
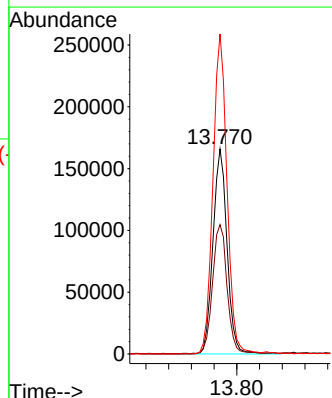
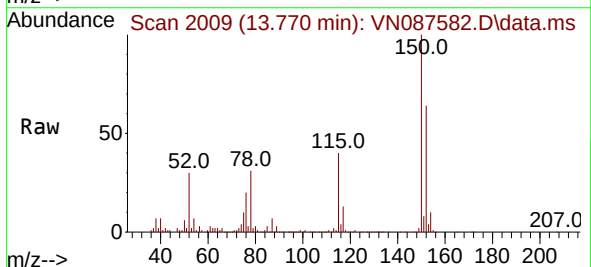
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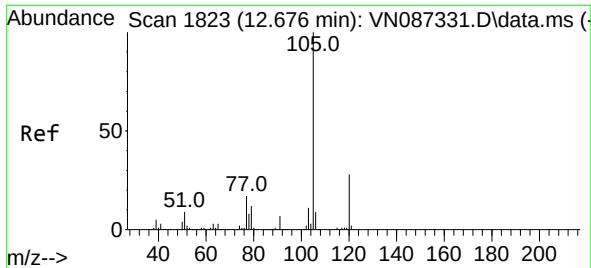
Tgt Ion:117 Resp: 589000
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.6 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

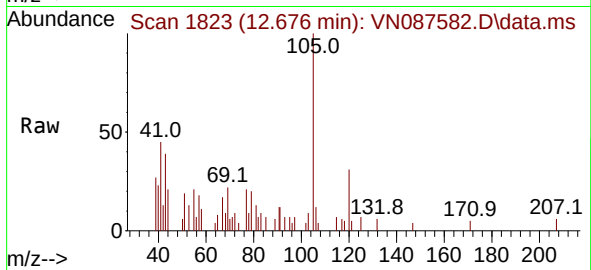
Tgt Ion:152 Resp: 285041
Ion Ratio Lower Upper
152 100
115 64.6 31.1 93.5
150 155.0 0.0 349.0





#73
Isopropylbenzene
Concen: 0.423 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087582.D
Acq: 15 Aug 2025 15:19

Instrument :
MSVOA_N
ClientSampleId :
LAW-25-122-126



Tgt Ion:105 Resp: 7584
Ion Ratio Lower Upper
105 100
120 30.6 13.4 40.1

