

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087586.D
 Acq On : 15 Aug 2025 16:46
 Operator : JC\MD
 Sample : Q2840-02
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0804-D

Quant Time: Aug 18 05:47:21 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	8.206	168	245230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	534465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	200497	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222906	53.570	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.140%
35) Dibromofluoromethane	8.147	113	167781	45.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.020%
50) Toluene-d8	10.547	98	610622	46.432	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.860%
62) 4-Bromofluorobenzene	12.829	95	194379	40.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	80.020%

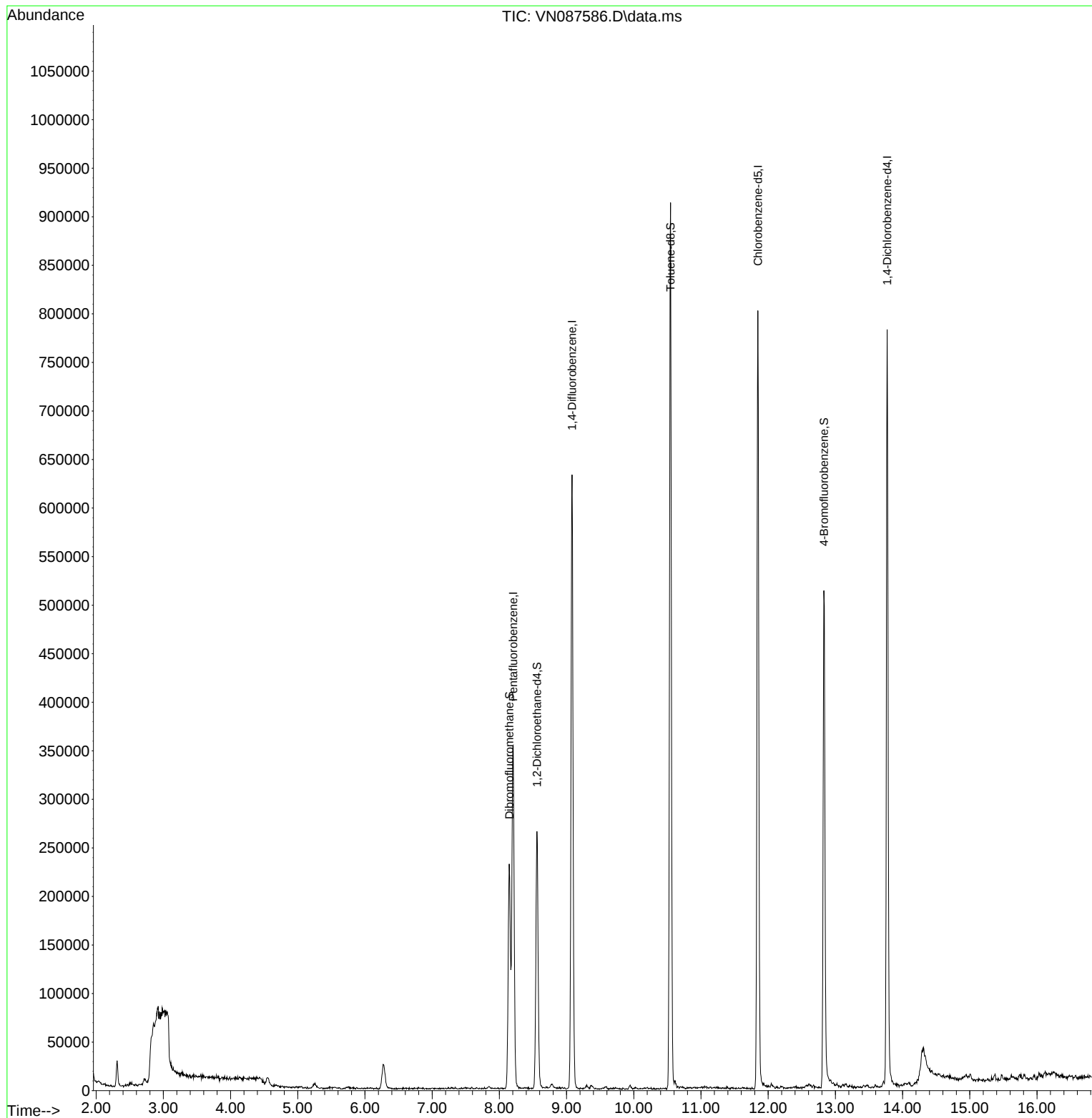
Target Compounds	Qvalue

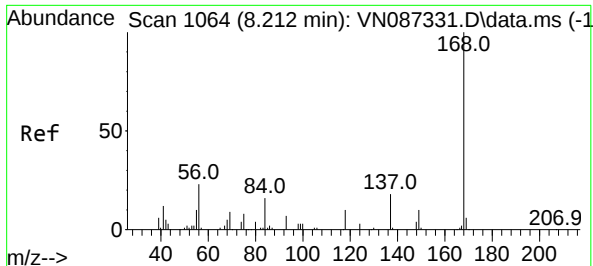
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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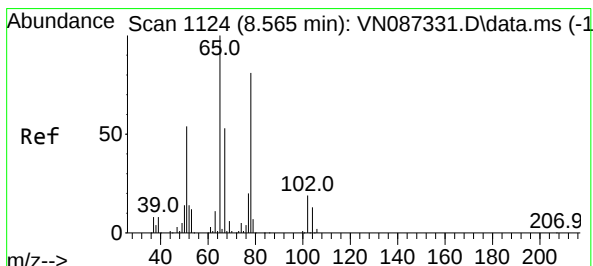
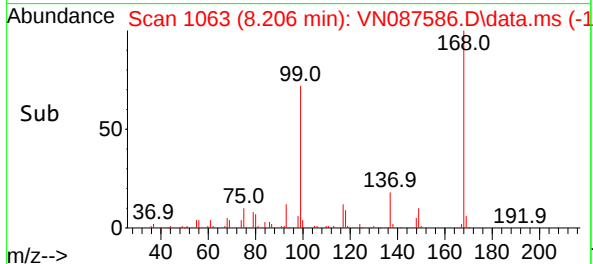
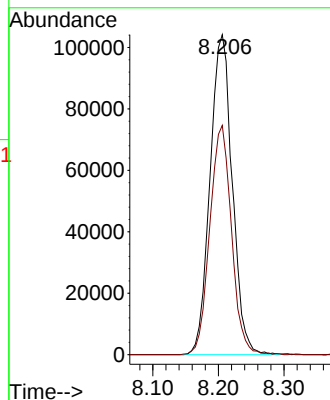
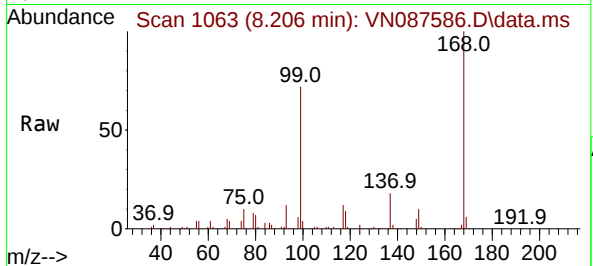




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087586.D
Acq: 15 Aug 2025 16:46

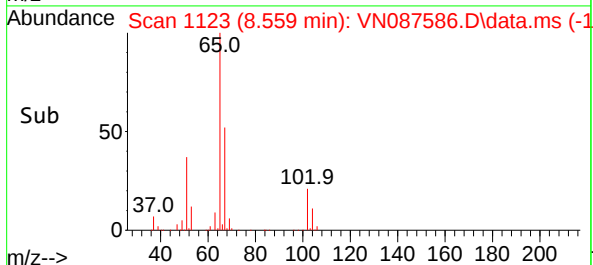
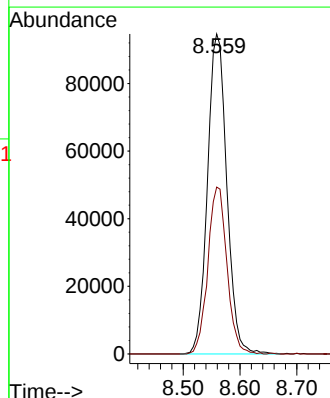
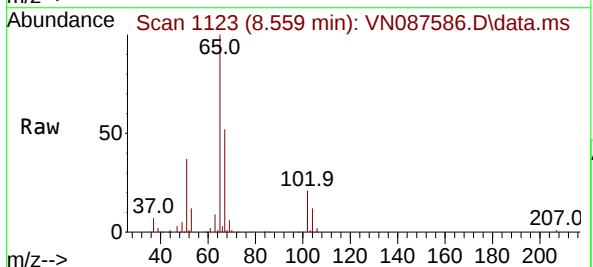
Instrument :
MSVOA_N
ClientSampleId :
0804-D

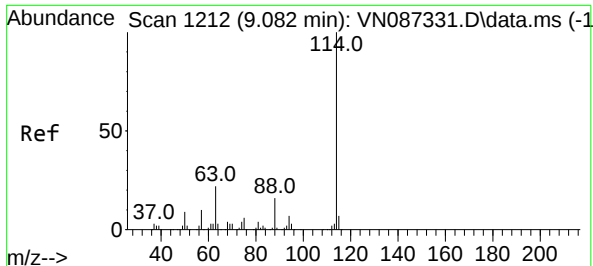
Tgt Ion:168 Resp: 245230
Ion Ratio Lower Upper
168 100
99 71.6 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 53.570 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087586.D
Acq: 15 Aug 2025 16:46

Tgt Ion: 65 Resp: 222906
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN087586.D

Acq: 15 Aug 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

0804-D

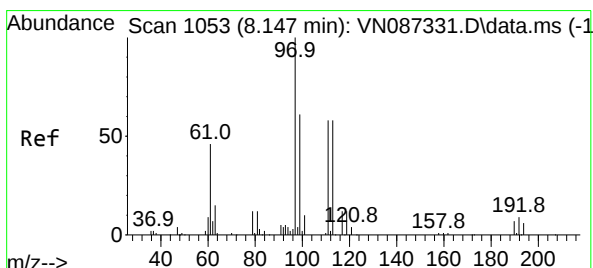
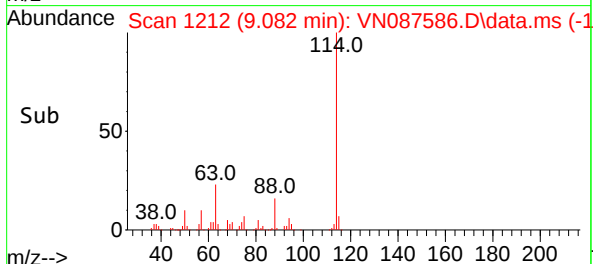
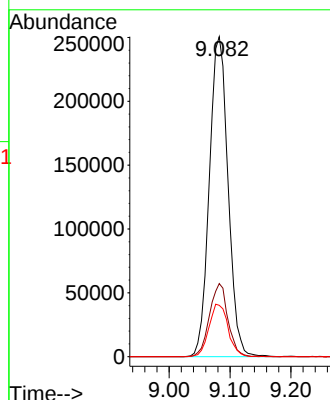
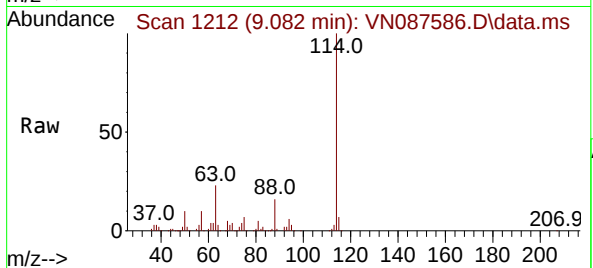
Tgt Ion:114 Resp: 534465

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.509 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN087586.D

Acq: 15 Aug 2025 16:46

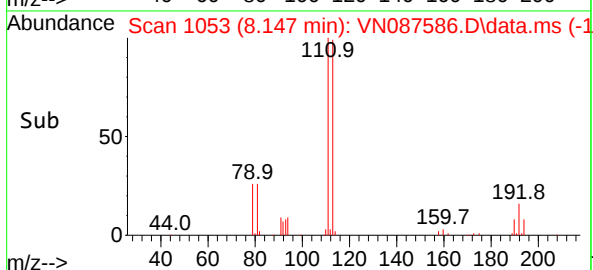
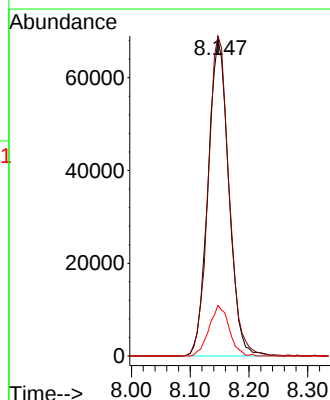
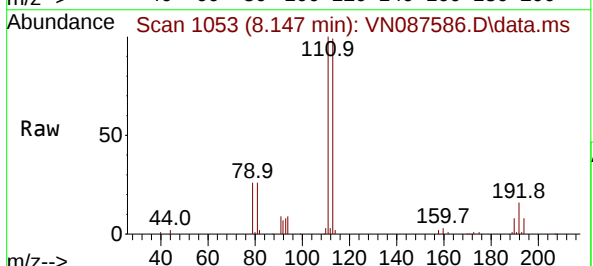
Tgt Ion:113 Resp: 167781

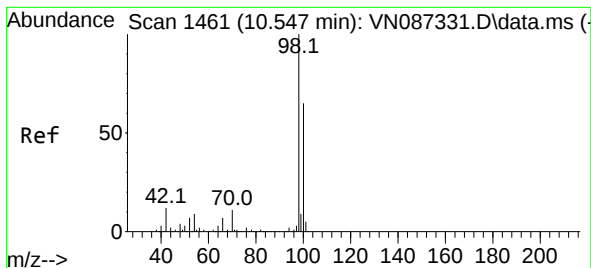
Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 15.4 13.7 20.5





#50

Toluene-d8

Concen: 46.432 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087586.D

Acq: 15 Aug 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

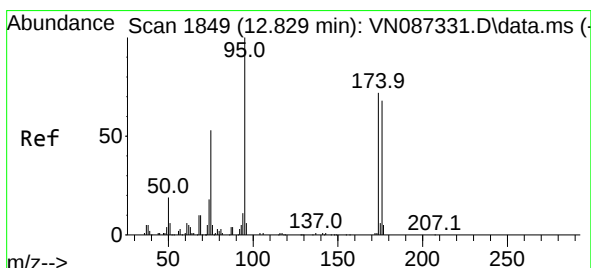
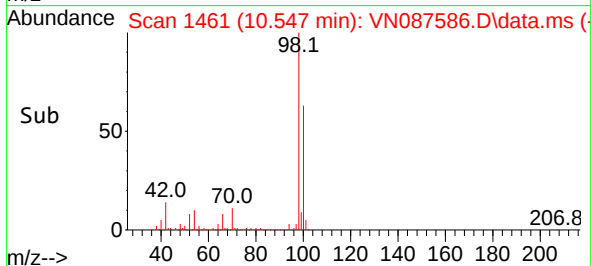
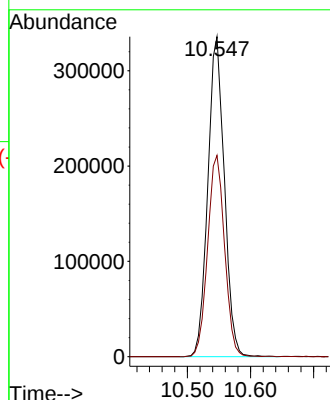
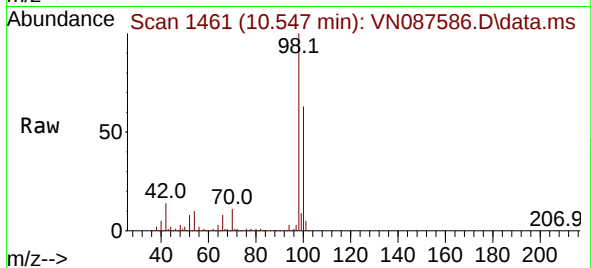
0804-D

Tgt Ion: 98 Resp: 610622

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 40.007 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VN087586.D

Acq: 15 Aug 2025 16:46

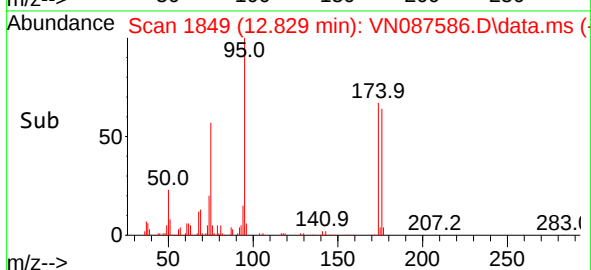
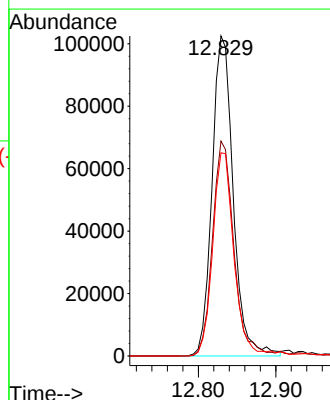
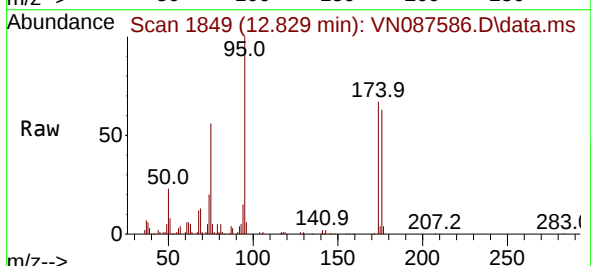
Tgt Ion: 95 Resp: 194379

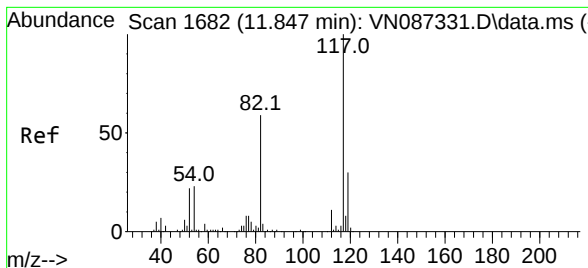
Ion Ratio Lower Upper

95 100

174 67.6 0.0 149.4

176 64.3 0.0 141.2

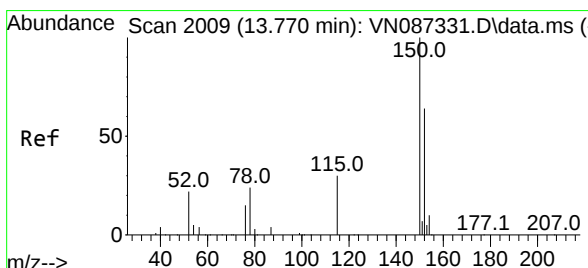
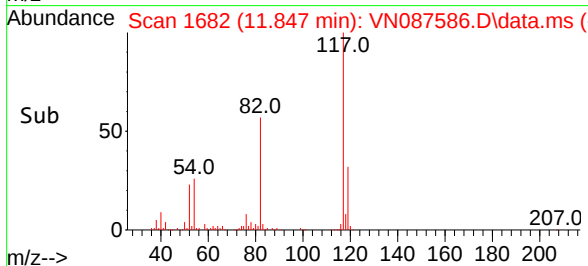
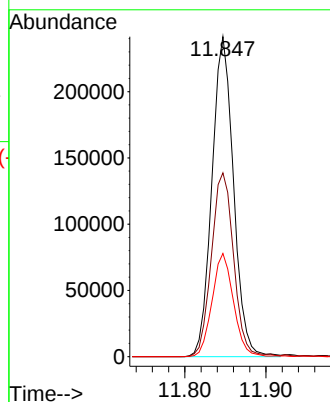
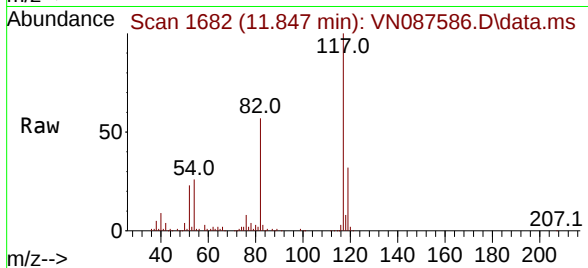




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087586.D
Acq: 15 Aug 2025 16:46

Instrument :
MSVOA_N
ClientSampleId :
0804-D

Tgt Ion:117 Resp: 446615
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.3 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: VN087586.D
Acq: 15 Aug 2025 16:46

Tgt Ion:152 Resp: 200497
Ion Ratio Lower Upper
152 100
115 65.0 31.1 93.5
150 157.5 0.0 349.0

