

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087954.D
 Acq On : 25 Sep 2025 15:03
 Operator : JC\MD
 Sample : Q3177-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EME-TS13-01

Quant Time: Sep 26 07:32:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

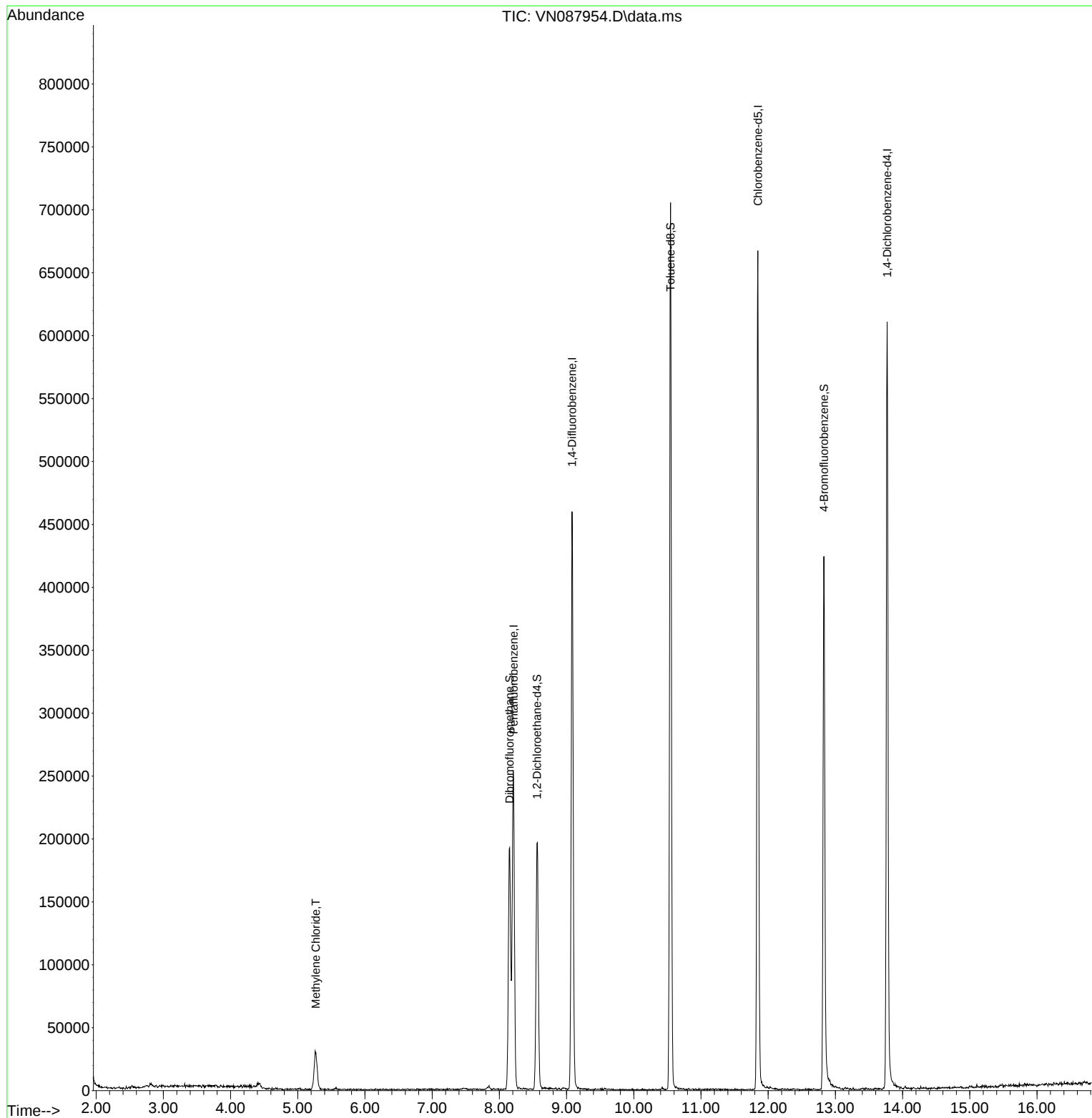
Internal Standards						
1) Pentafluorobenzene	8.212	168	177781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	381295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	377486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	173273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	165791	55.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.820%
35) Dibromofluoromethane	8.153	113	141959	51.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.560%
50) Toluene-d8	10.547	98	466810	47.950	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.900%
62) 4-Bromofluorobenzene	12.829	95	156245	44.899	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.800%
Target Compounds						
20) Methylene Chloride	5.271	84	23169	9.298	ug/l	Qvalue # 93

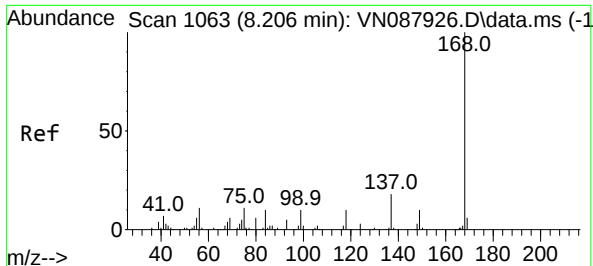
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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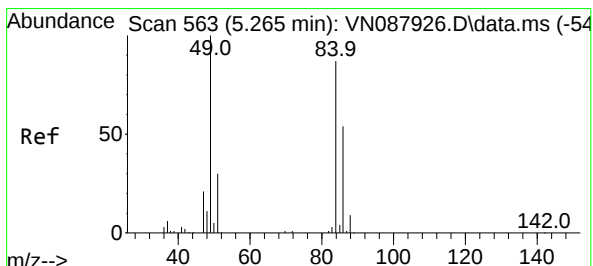
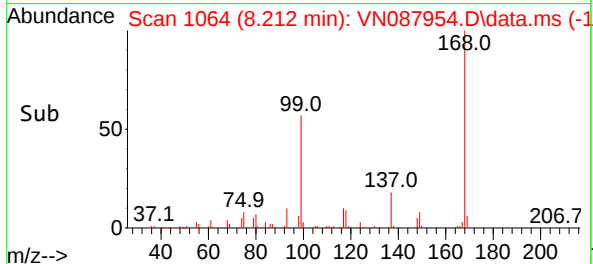
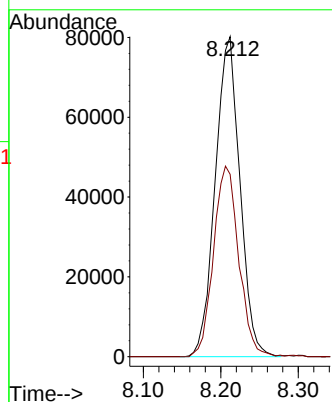
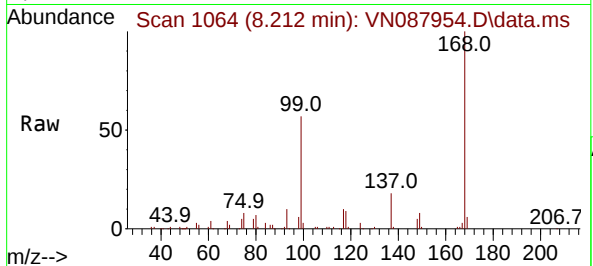




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

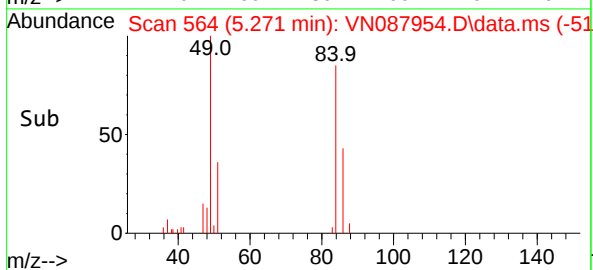
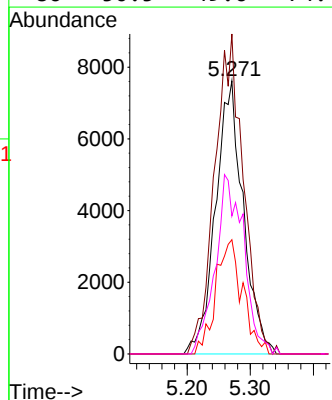
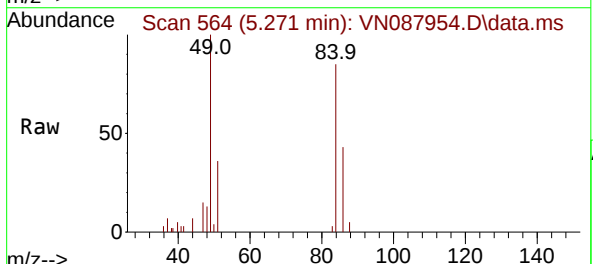
Instrument :
MSVOA_N
ClientSampleId :
EME-TS13-01

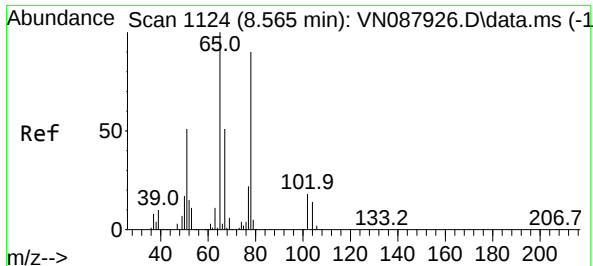
Tgt Ion:168 Resp: 177781
Ion Ratio Lower Upper
168 100
99 57.0 52.2 78.2



#20
Methylene Chloride
Concen: 9.298 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

Tgt Ion: 84 Resp: 23169
Ion Ratio Lower Upper
84 100
49 117.1 92.1 138.1
51 41.8 27.7 41.5#
86 50.5 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 55.413 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

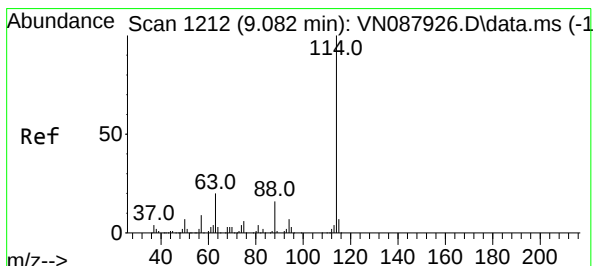
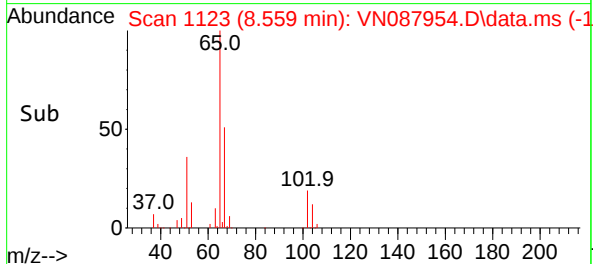
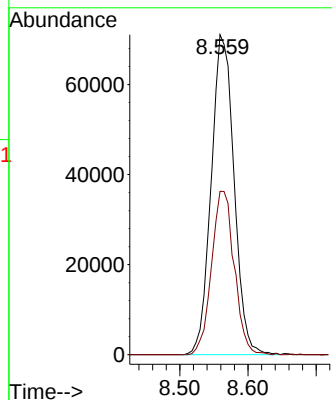
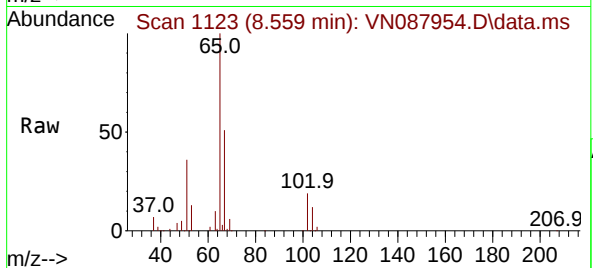
EME-TS13-01

Tgt Ion: 65 Resp: 165791

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

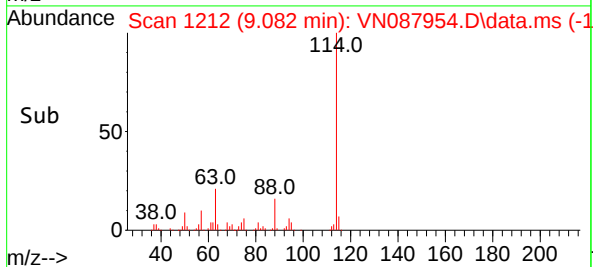
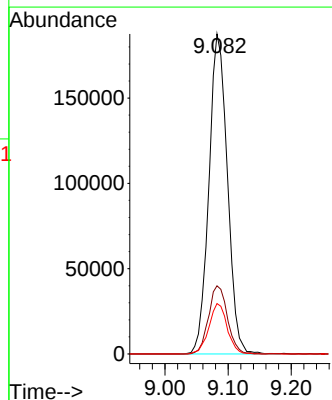
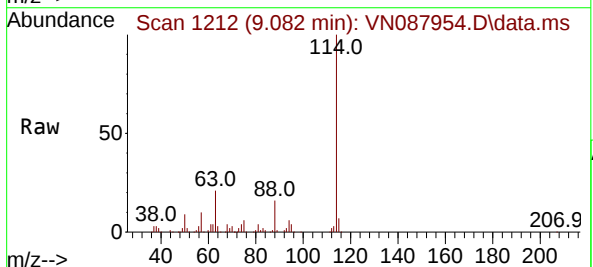
Tgt Ion: 114 Resp: 381295

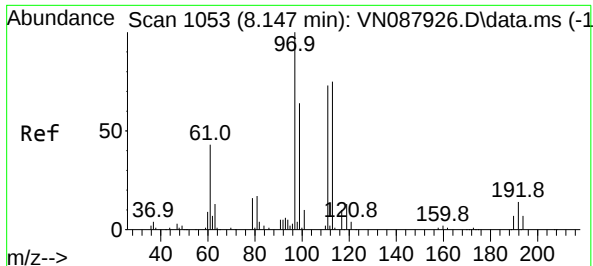
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.278 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

EME-TS13-01

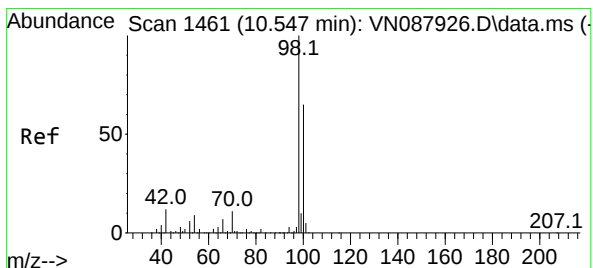
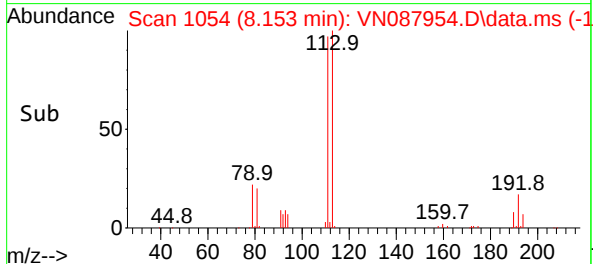
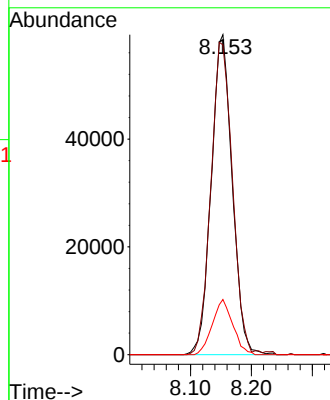
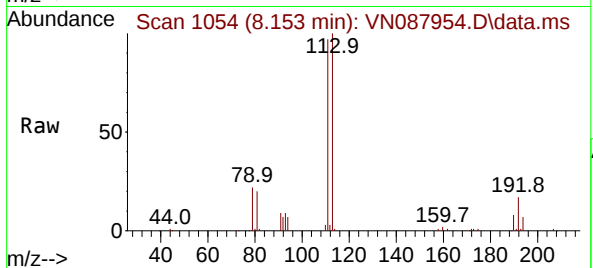
Tgt Ion:113 Resp: 141959

Ion Ratio Lower Upper

113 100

111 100.2 82.2 123.2

192 16.9 14.2 21.2



#50

Toluene-d8

Concen: 47.950 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087954.D

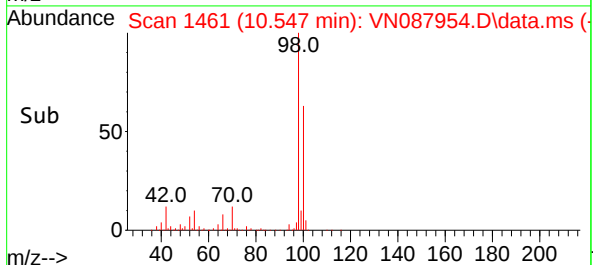
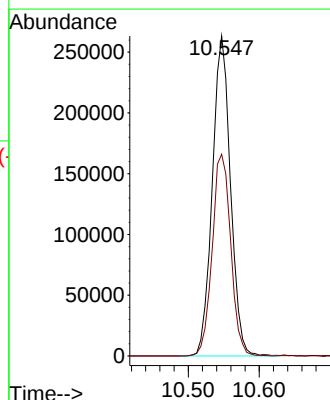
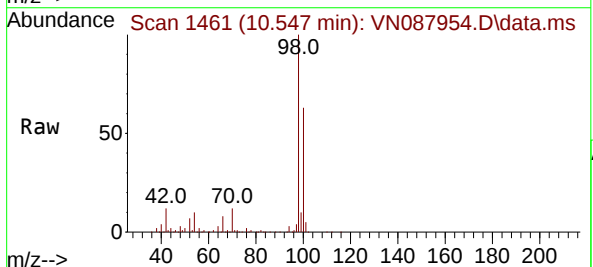
Acq: 25 Sep 2025 15:03

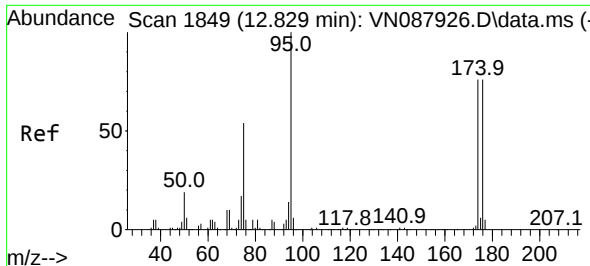
Tgt Ion: 98 Resp: 466810

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5

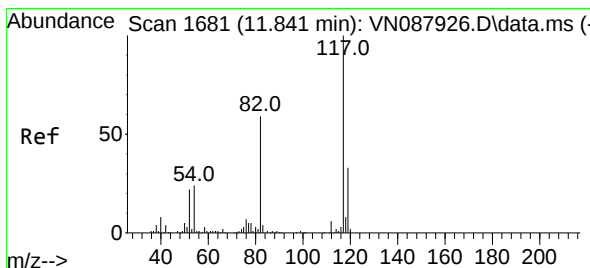
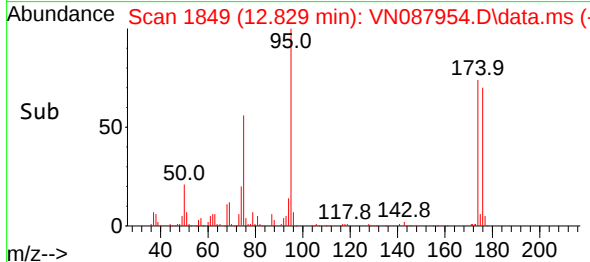
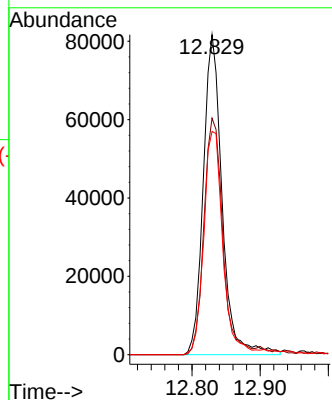
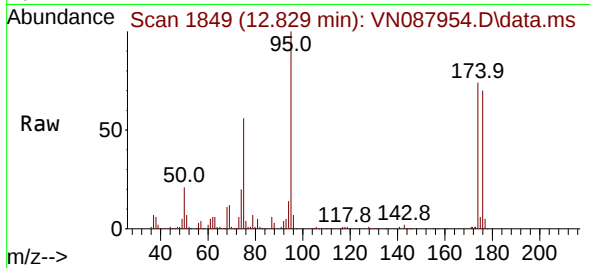




#62
4-Bromofluorobenzene
Concen: 44.899 ug/l
RT: 12.829 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

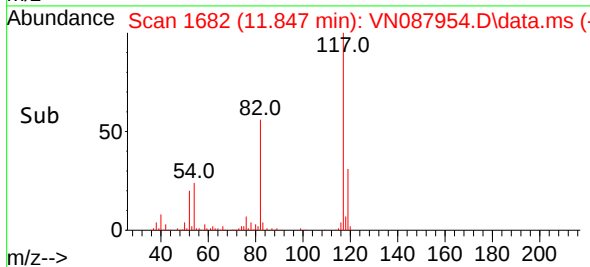
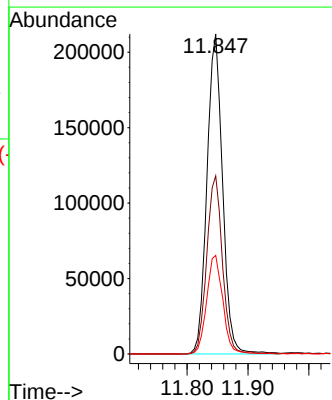
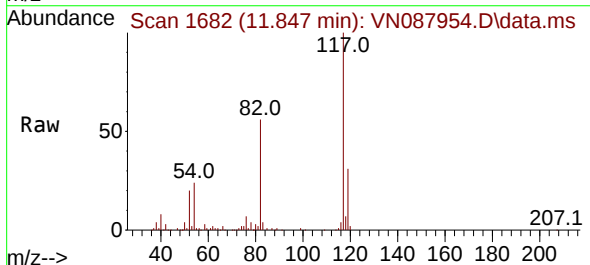
Instrument :
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ClientSampleId :
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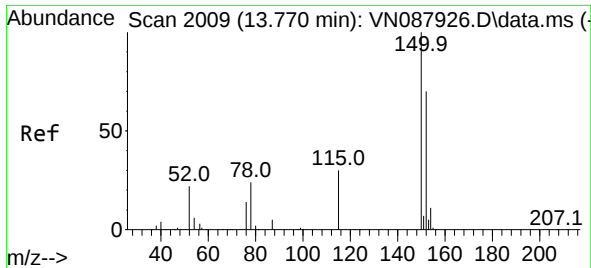
Tgt Ion: 95 Resp: 156245
Ion Ratio Lower Upper
95 100
174 74.0 0.0 159.2
176 72.1 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

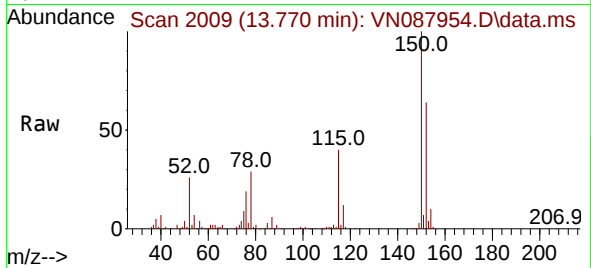
Tgt Ion:117 Resp: 377486
Ion Ratio Lower Upper
117 100
82 55.7 47.0 70.4
119 30.8 26.1 39.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087954.D
 Acq: 25 Sep 2025 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 EME-TS13-01



Tgt Ion:152 Resp: 173273
 Ion Ratio Lower Upper
 152 100
 115 61.7 29.9 89.7
 150 154.5 0.0 335.0

