

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087656.D
 Acq On : 25 Aug 2025 14:40
 Operator : JC\MD
 Sample : Q2936-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125

Quant Time: Aug 26 01:35:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

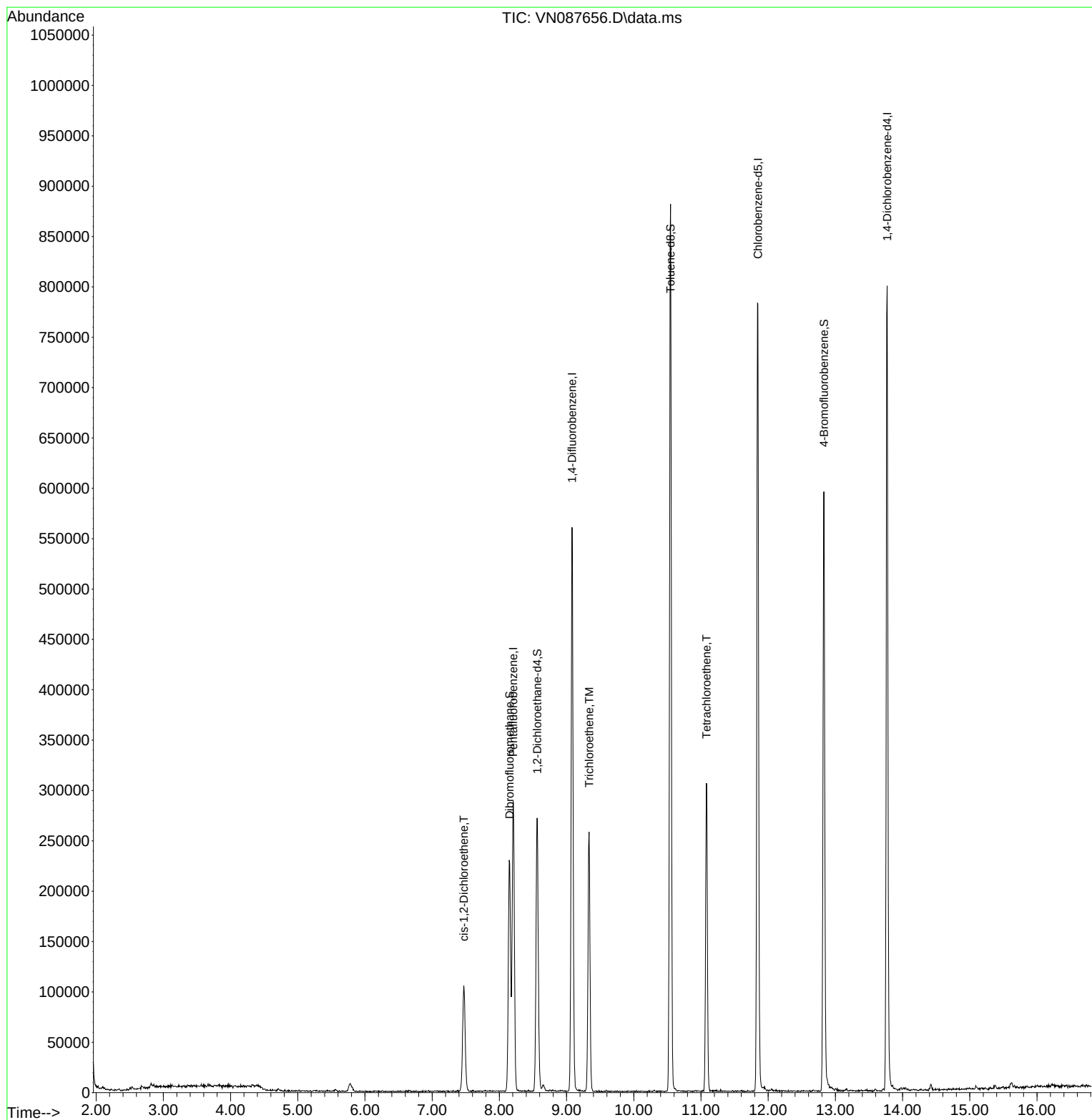
Internal Standards						
1) Pentafluorobenzene	8.206	168	194994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	447255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	431712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	205053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	225694	56.491	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.980%
35) Dibromofluoromethane	8.153	113	161652	50.060	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.120%
50) Toluene-d8	10.547	98	584621	48.371	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.829	95	208972	48.618	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.240%
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.471	96	61049	16.760	ug/l	88
44) Trichloroethene	9.335	130	86002	24.791	ug/l	89
64) Tetrachloroethene	11.082	164	65998	22.035	ug/l	89

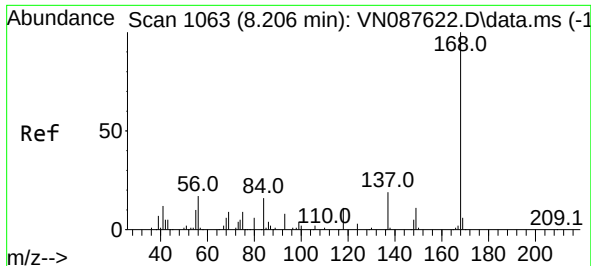
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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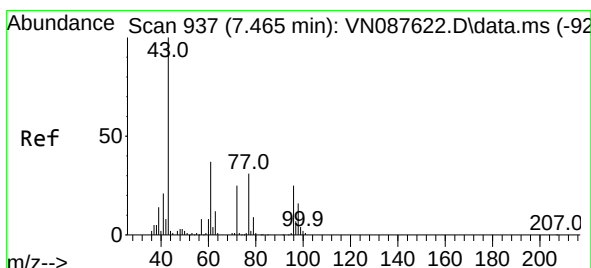
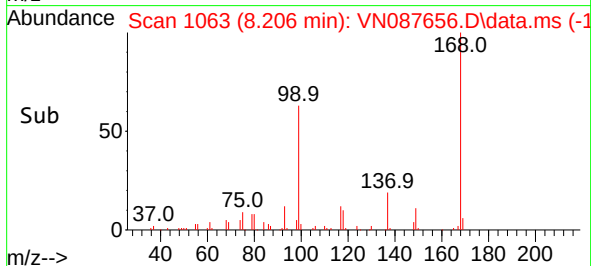
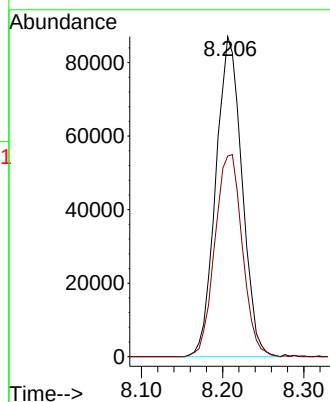
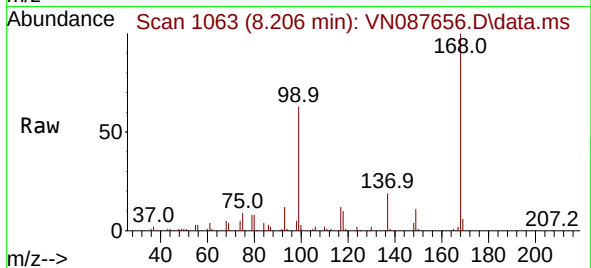




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087656.D
Acq: 25 Aug 2025 14:40

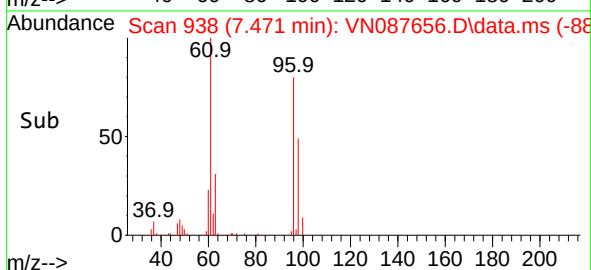
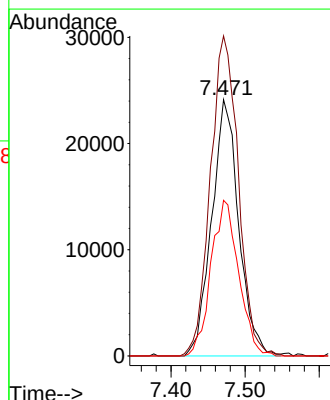
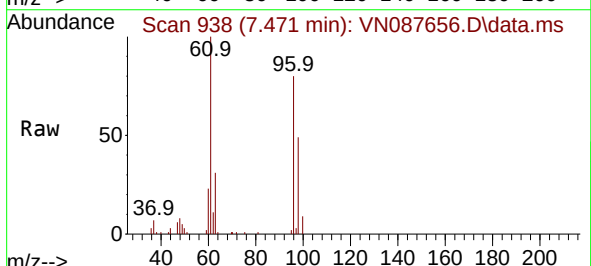
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

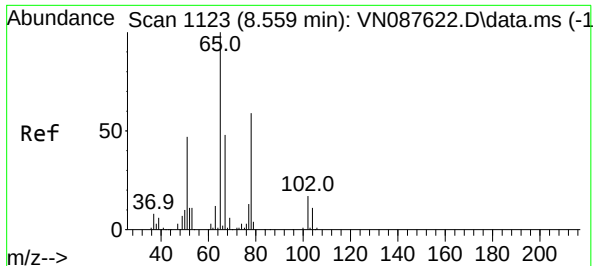
Tgt Ion:168 Resp: 194994
Ion Ratio Lower Upper
168 100
99 62.7 57.2 85.8



#27
cis-1,2-Dichloroethene
Concen: 16.760 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087656.D
Acq: 25 Aug 2025 14:40

Tgt Ion: 96 Resp: 61049
Ion Ratio Lower Upper
96 100
61 129.5 0.0 301.8
98 62.2 0.0 126.2





#33

1,2-Dichloroethane-d4

Concen: 56.491 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087656.D

Acq: 25 Aug 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

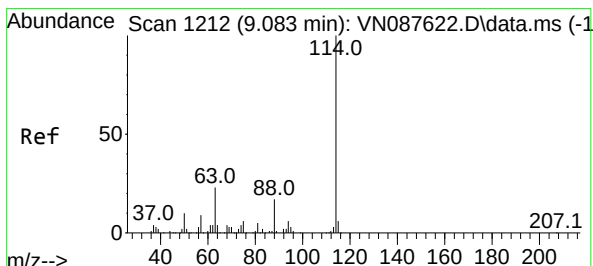
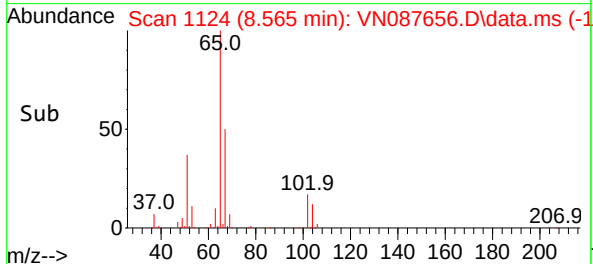
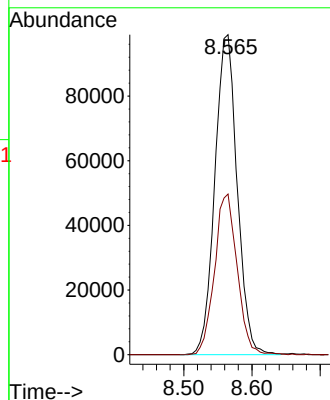
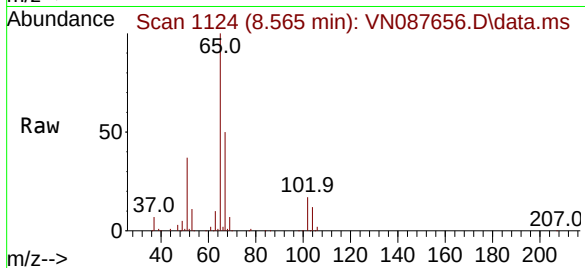
MW-19C-082125

Tgt Ion: 65 Resp: 225694

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087656.D

Acq: 25 Aug 2025 14:40

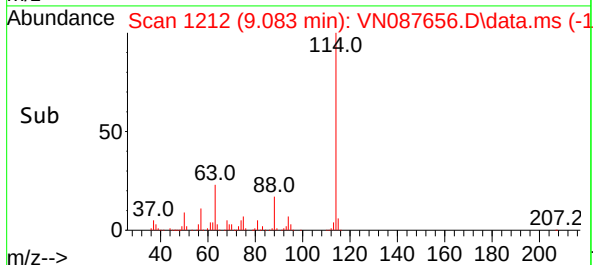
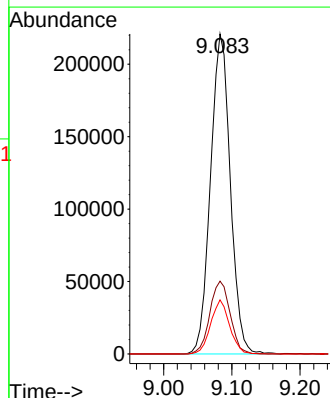
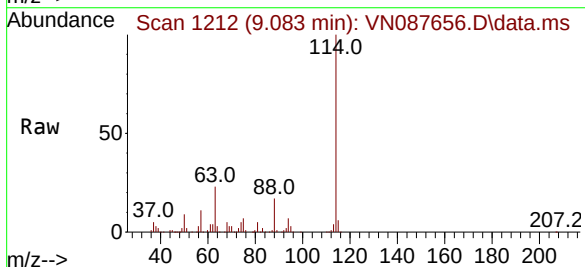
Tgt Ion: 114 Resp: 447255

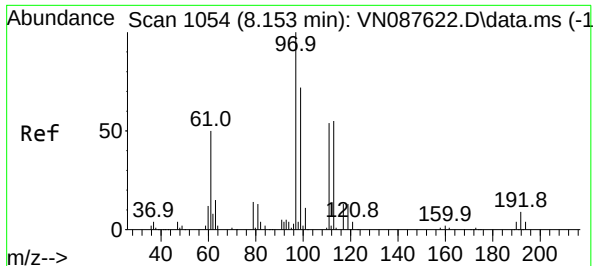
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.060 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087656.D

Acq: 25 Aug 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

MW-19C-082125

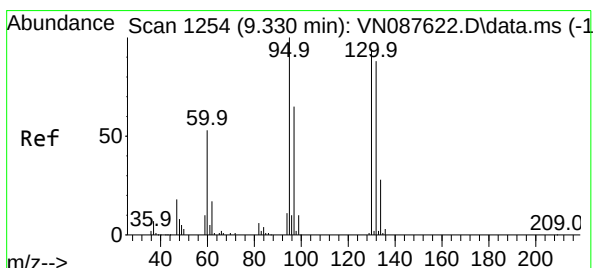
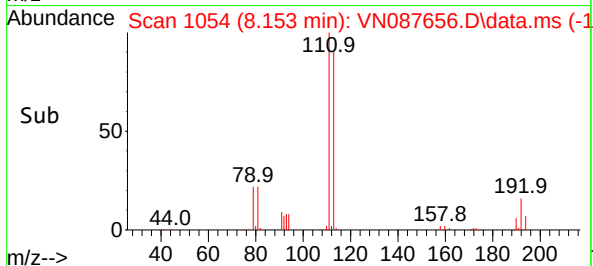
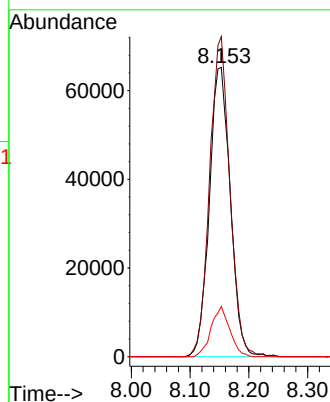
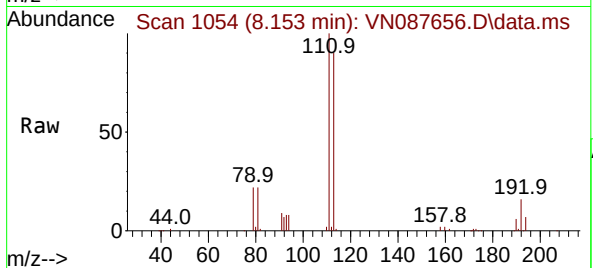
Tgt Ion:113 Resp: 161652

Ion Ratio Lower Upper

113 100

111 106.7 82.8 124.2

192 15.5 12.8 19.2



#44

Trichloroethene

Concen: 24.791 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.006 min

Lab File: VN087656.D

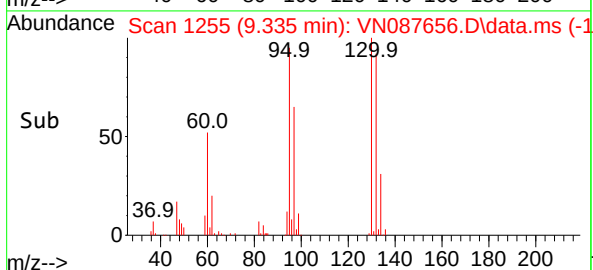
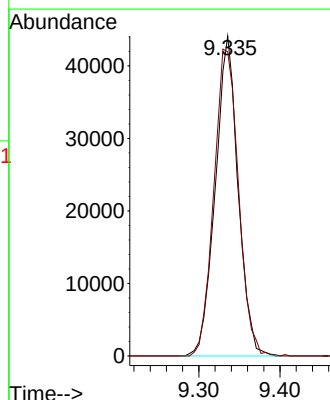
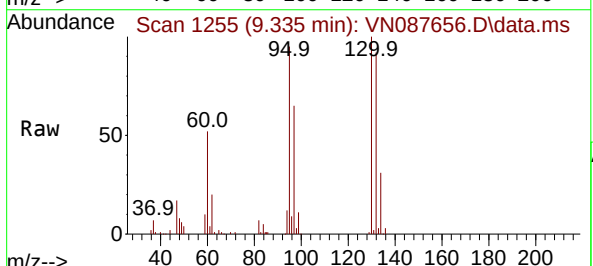
Acq: 25 Aug 2025 14:40

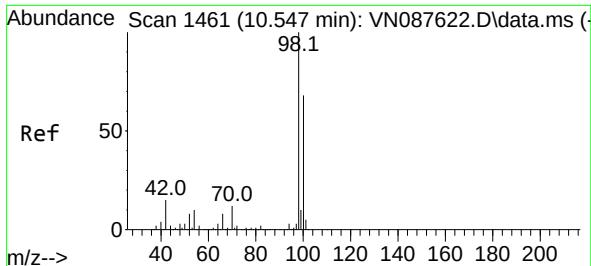
Tgt Ion:130 Resp: 86002

Ion Ratio Lower Upper

130 100

95 95.0 0.0 212.0

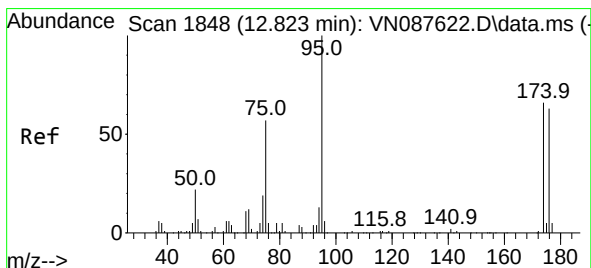
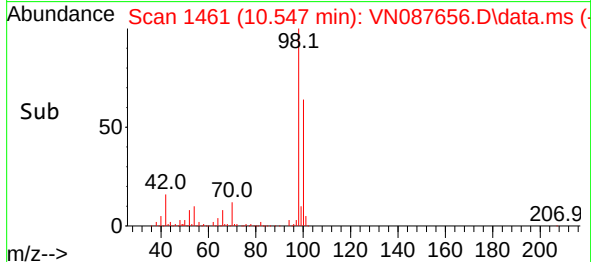
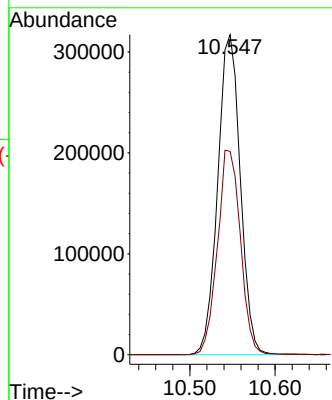
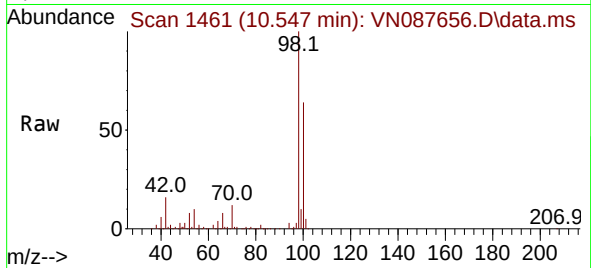




#50
Toluene-d8
Concen: 48.371 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087656.D
Acq: 25 Aug 2025 14:40

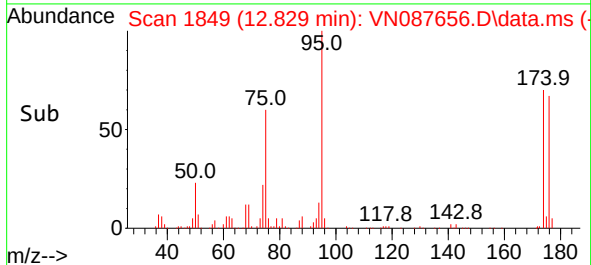
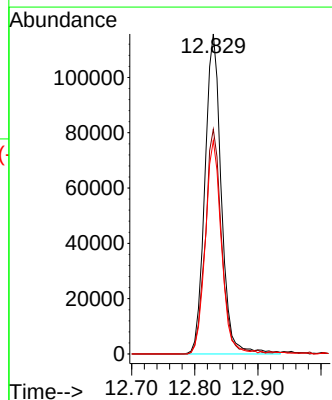
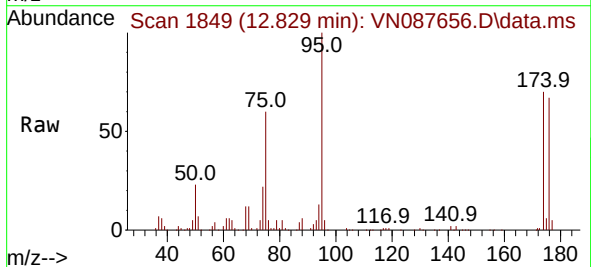
Instrument : MSVOA_N
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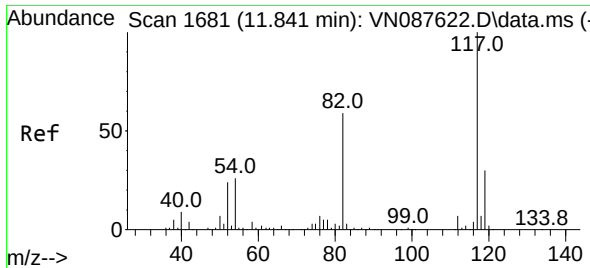
Tgt Ion: 98 Resp: 584621
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.618 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087656.D
Acq: 25 Aug 2025 14:40

Tgt Ion: 95 Resp: 208972
Ion Ratio Lower Upper
95 100
174 70.2 0.0 138.4
176 65.8 0.0 132.6

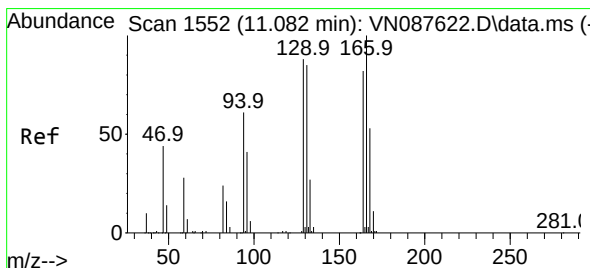
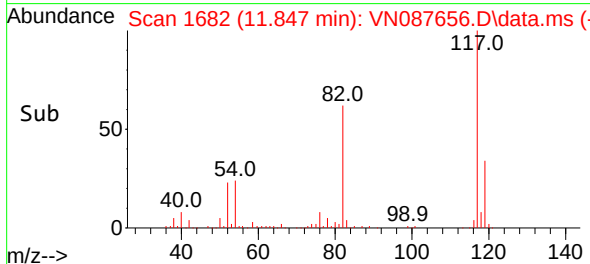
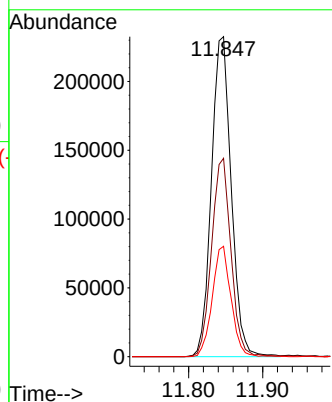
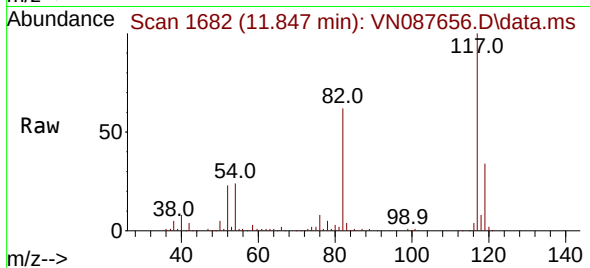




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087656.D
Acq: 25 Aug 2025 14:40

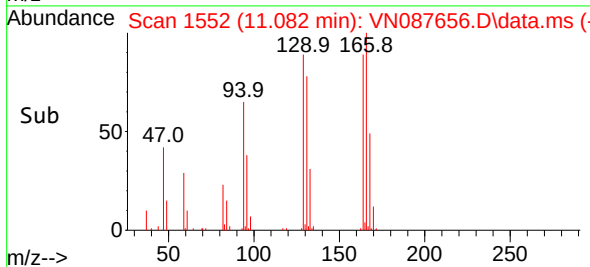
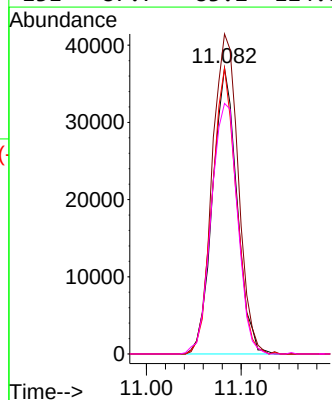
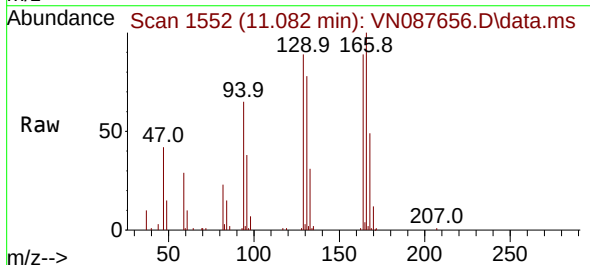
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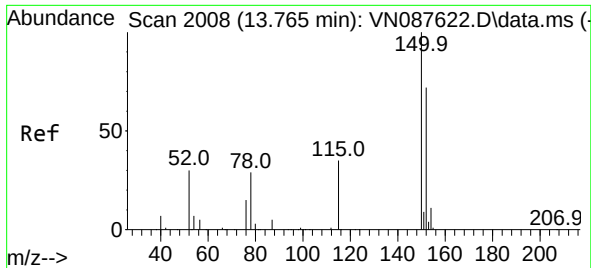
Tgt Ion:117 Resp: 431712
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 34.5 24.3 36.5



#64
Tetrachloroethene
Concen: 22.035 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087656.D
Acq: 25 Aug 2025 14:40

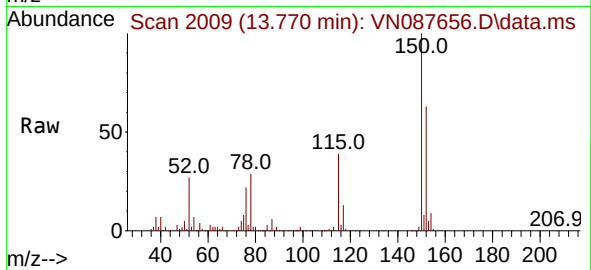
Tgt Ion:164 Resp: 65998
Ion Ratio Lower Upper
164 100
166 111.9 97.7 146.5
129 100.0 85.9 128.9
131 87.7 83.2 124.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087656.D
 Acq: 25 Aug 2025 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125



Tgt Ion:152 Resp: 205053
 Ion Ratio Lower Upper
 152 100
 115 62.7 32.3 96.8
 150 158.2 0.0 351.0

