

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087642.D
 Acq On : 22 Aug 2025 15:26
 Operator : JC\MD
 Sample : Q2936-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125

Quant Time: Aug 25 01:21:52 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)

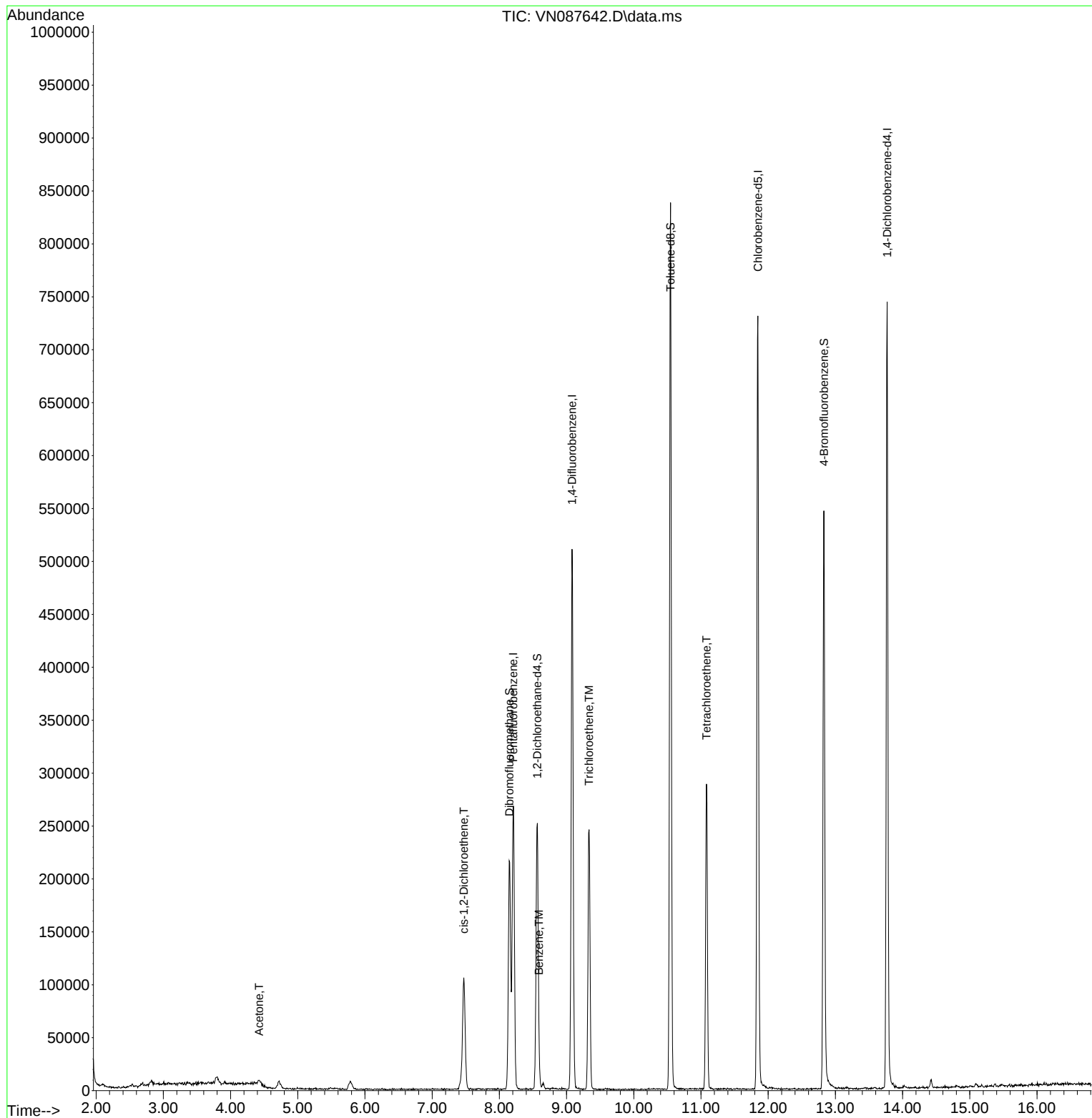
Internal Standards						
1) Pentafluorobenzene	8.206	168	178938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	421488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	403205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	189324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	210412	57.392	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.780%		
35) Dibromofluoromethane	8.147	113	151482	49.778	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.560%		
50) Toluene-d8	10.547	98	545197	47.867	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.740%		
62) 4-Bromofluorobenzene	12.829	95	194723	48.073	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 96.140%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	9885	4.953	ug/l	95
27) cis-1,2-Dichloroethene	7.471	96	58449	17.486	ug/l	94
40) Benzene	8.588	78	6354	0.444	ug/l	95
44) Trichloroethene	9.335	130	85049	26.015	ug/l	100
64) Tetrachloroethene	11.082	164	61116	21.847	ug/l	89

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

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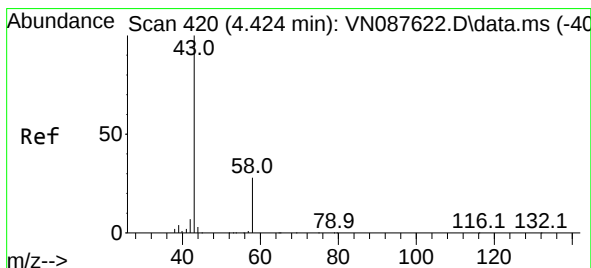
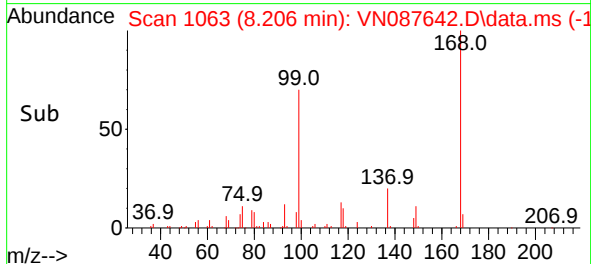
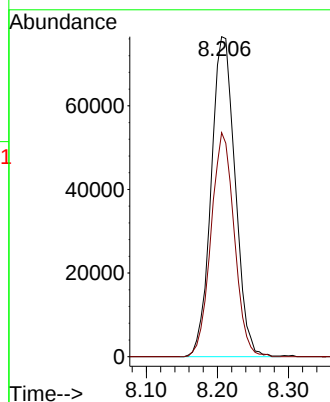
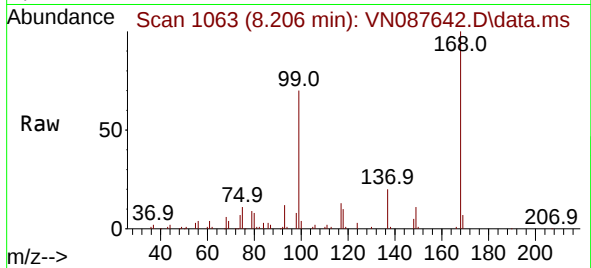




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

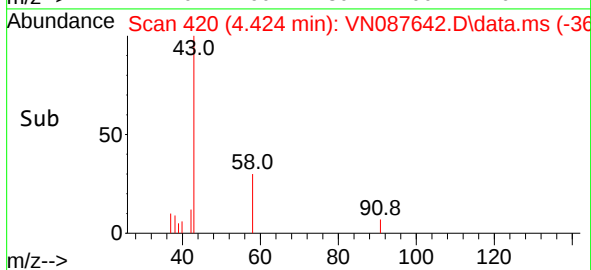
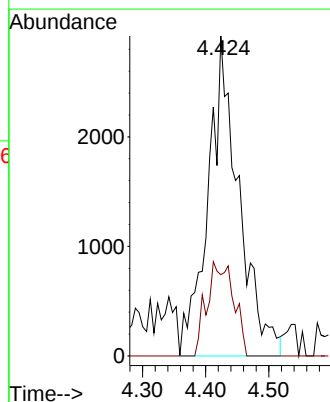
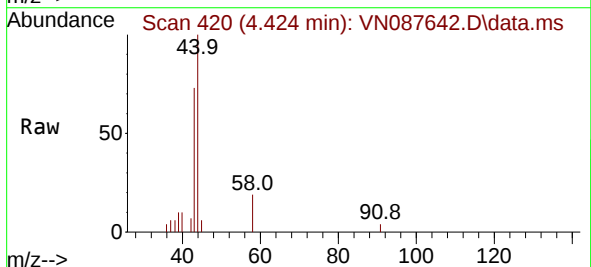
Instrument :
MSVOA_N
ClientSampleId :
MW-19C-082125

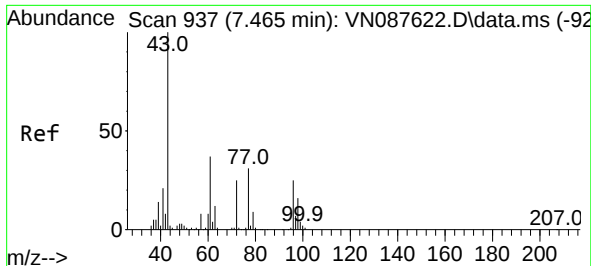
Tgt Ion:168 Resp: 178938
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#16
Acetone
Concen: 4.953 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 43 Resp: 9885
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8

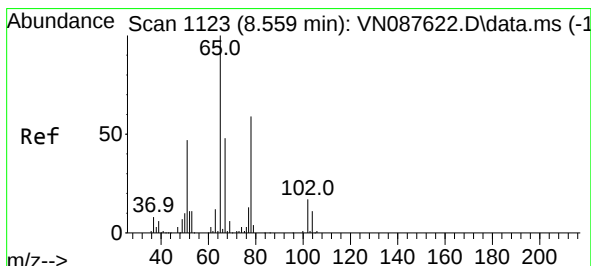
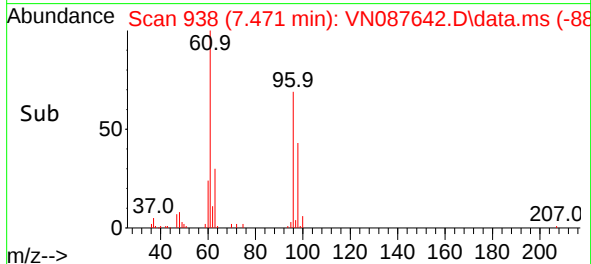
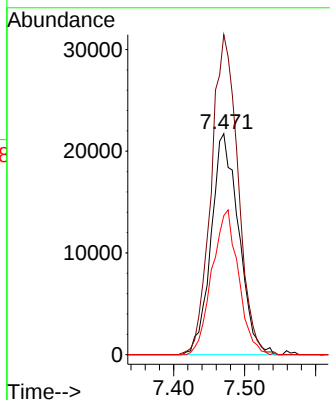
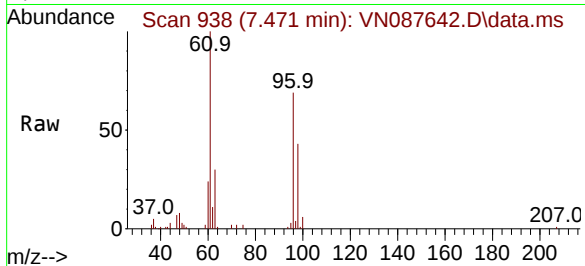




#27
 cis-1,2-Dichloroethene
 Concen: 17.486 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087642.D
 Acq: 22 Aug 2025 15:26

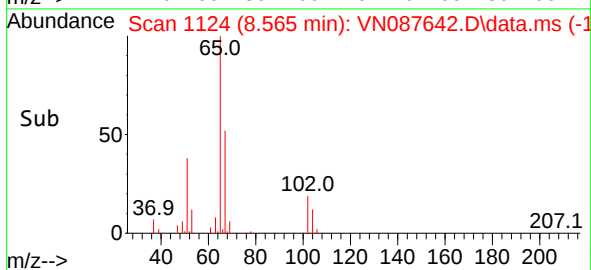
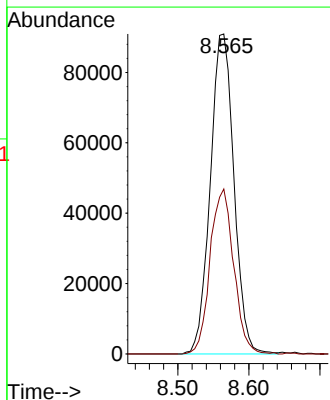
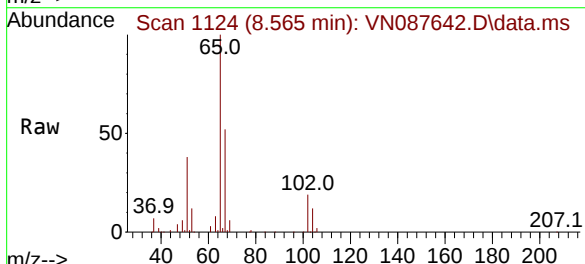
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125

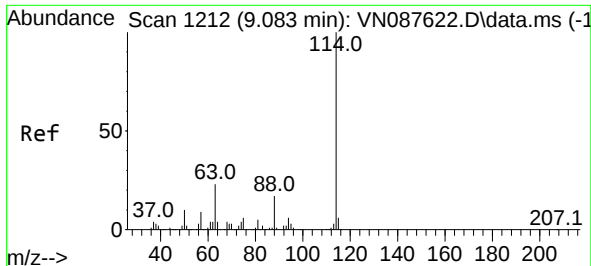
Tgt Ion: 96 Resp: 58449
 Ion Ratio Lower Upper
 96 100
 61 141.0 0.0 301.8
 98 63.0 0.0 126.2



#33
 1,2-Dichloroethane-d4
 Concen: 57.392 ug/l
 RT: 8.565 min Scan# 1124
 Delta R.T. 0.006 min
 Lab File: VN087642.D
 Acq: 22 Aug 2025 15:26

Tgt Ion: 65 Resp: 210412
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-19C-082125

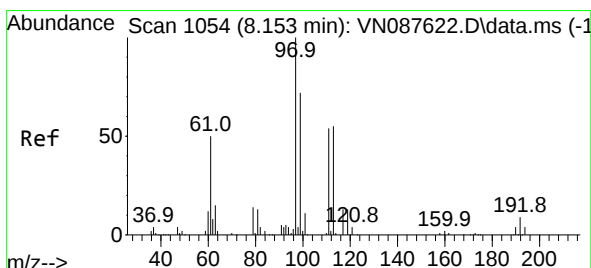
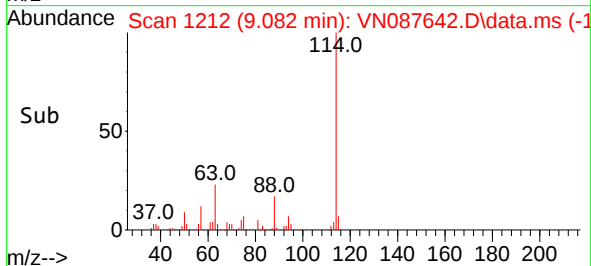
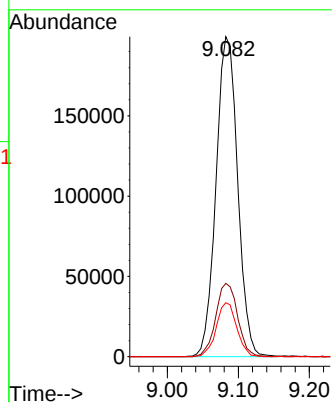
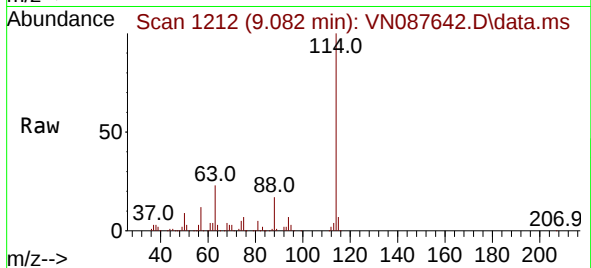
Tgt Ion:114 Resp: 421488

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 16.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.778 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

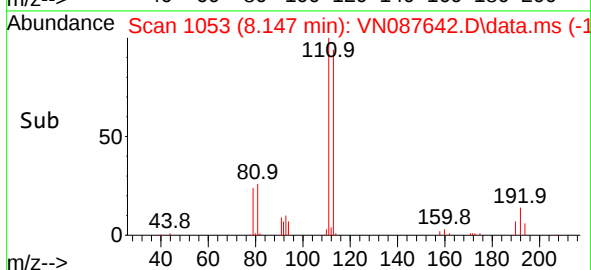
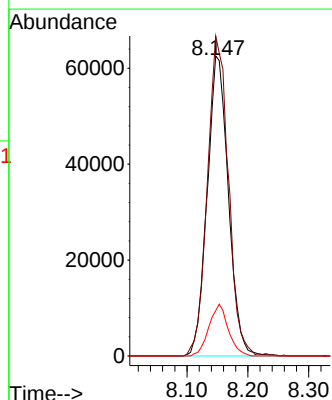
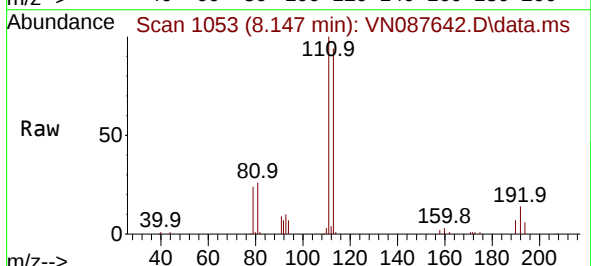
Tgt Ion:113 Resp: 151482

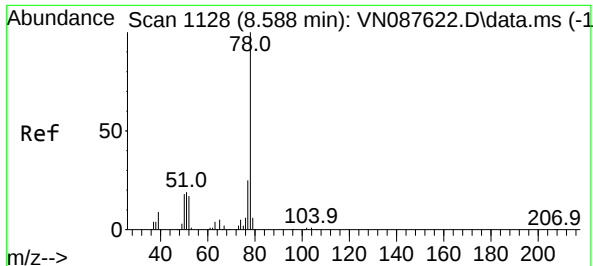
Ion Ratio Lower Upper

113 100

111 105.5 82.8 124.2

192 15.8 12.8 19.2





#40

Benzene

Concen: 0.444 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087642.D

Acq: 22 Aug 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

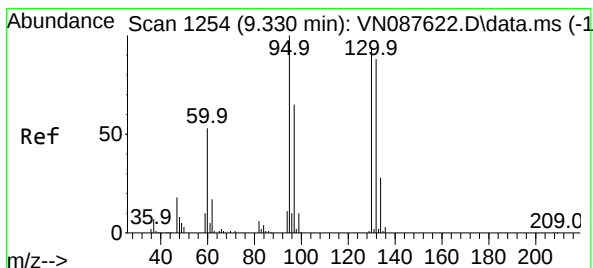
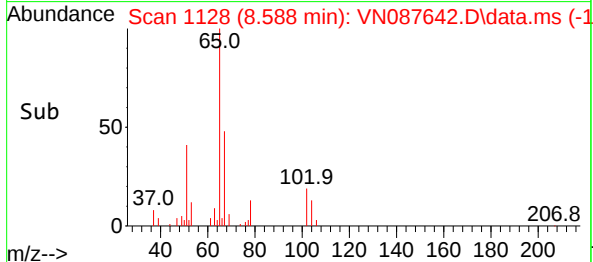
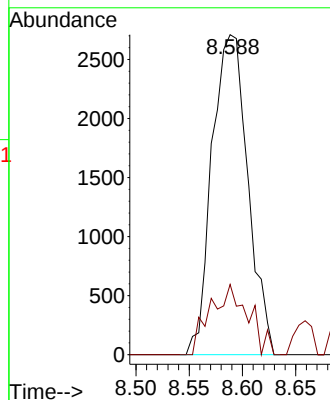
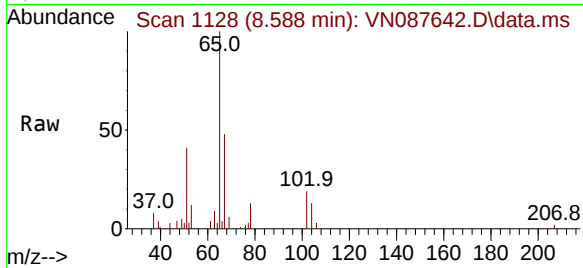
MW-19C-082125

Tgt Ion: 78 Resp: 6354

Ion Ratio Lower Upper

78 100

77 22.0 19.7 29.5



#44

Trichloroethene

Concen: 26.015 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.006 min

Lab File: VN087642.D

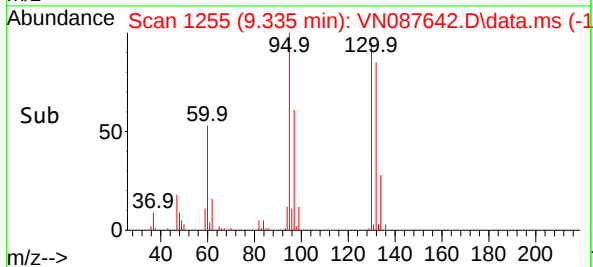
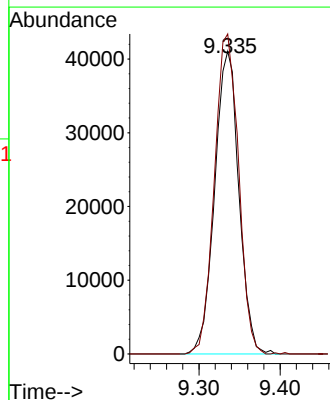
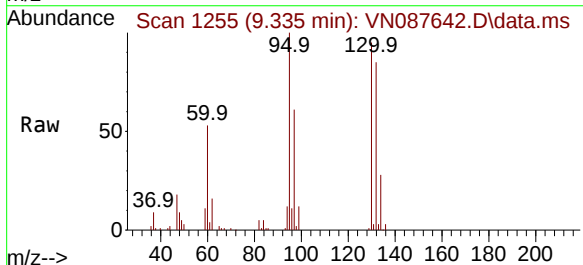
Acq: 22 Aug 2025 15:26

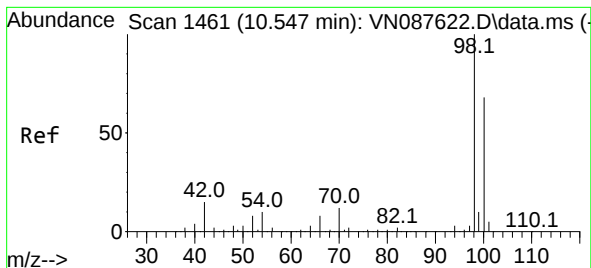
Tgt Ion:130 Resp: 85049

Ion Ratio Lower Upper

130 100

95 105.7 0.0 212.0

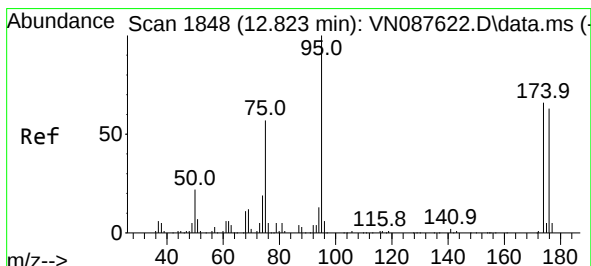
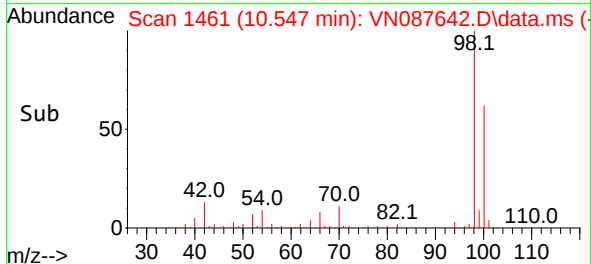
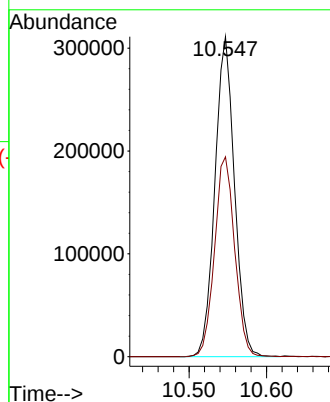
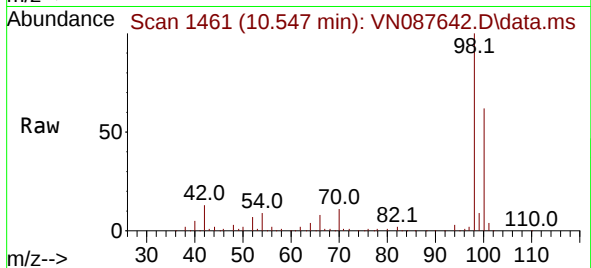




#50
Toluene-d8
Concen: 47.867 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

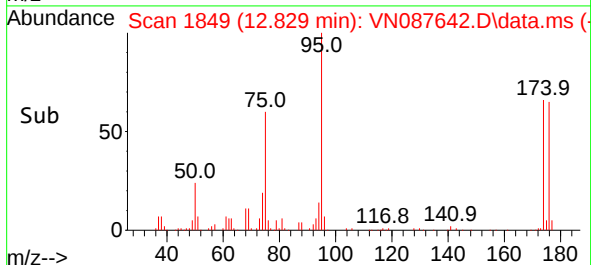
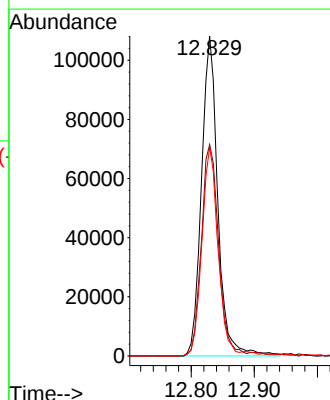
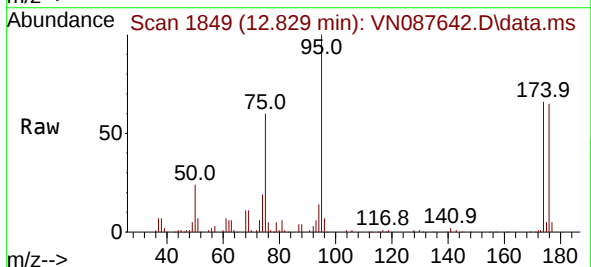
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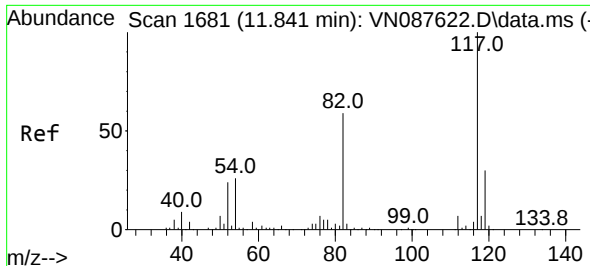
Tgt Ion: 98 Resp: 545197
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.073 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

Tgt Ion: 95 Resp: 194723
Ion Ratio Lower Upper
95 100
174 69.4 0.0 138.4
176 64.1 0.0 132.6

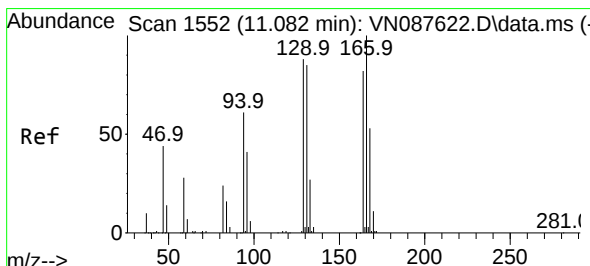
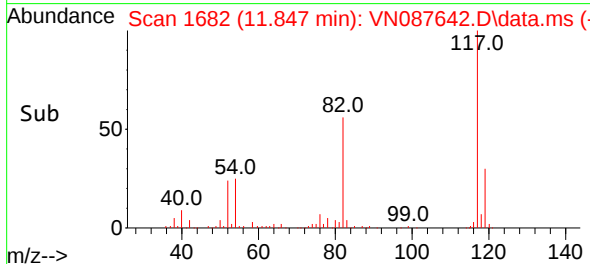
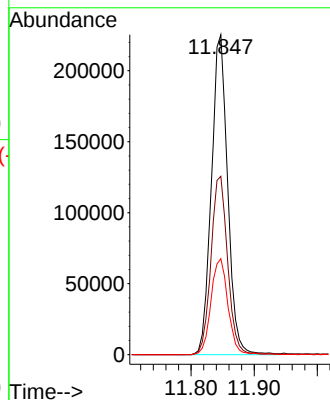
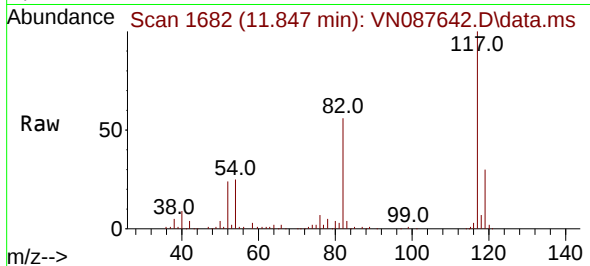




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

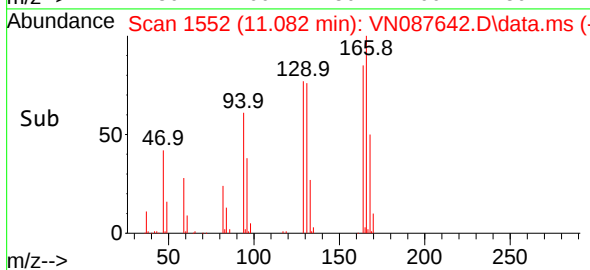
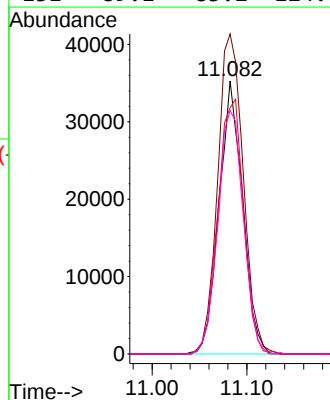
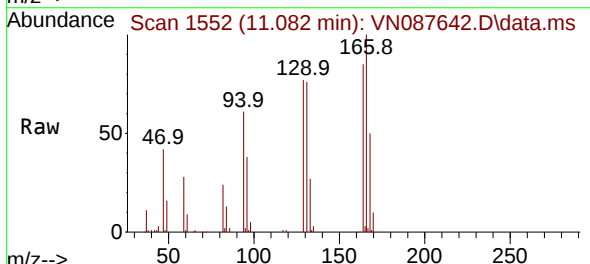
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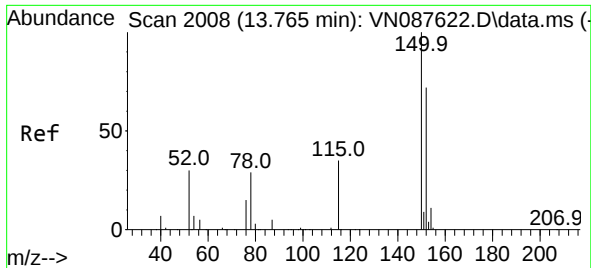
Tgt Ion:117 Resp: 403205
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 30.0 24.3 36.5



#64
Tetrachloroethene
Concen: 21.847 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087642.D
Acq: 22 Aug 2025 15:26

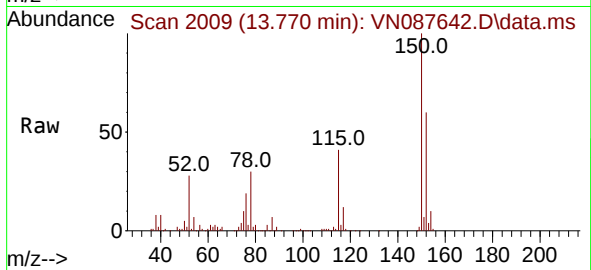
Tgt Ion:164 Resp: 61116
Ion Ratio Lower Upper
164 100
166 117.2 97.7 146.5
129 90.2 85.9 128.9
131 89.1 83.2 124.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087642.D
 Acq: 22 Aug 2025 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19C-082125



Tgt Ion:152 Resp: 189324
 Ion Ratio Lower Upper
 152 100
 115 63.3 32.3 96.8
 150 159.5 0.0 351.0

