

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091925\
 Data File : VN087908.D
 Acq On : 19 Sep 2025 13:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 03:06:48 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)

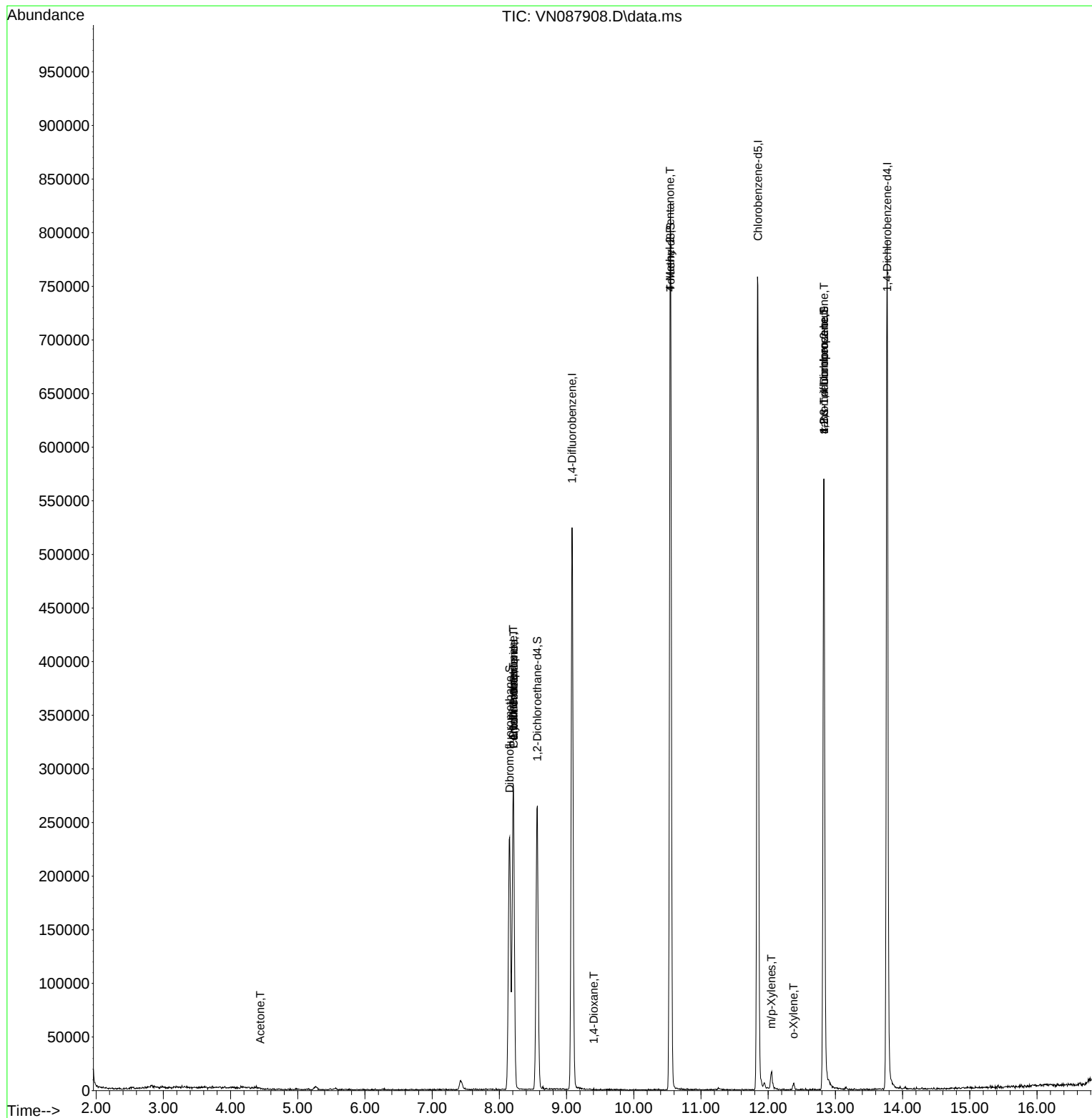
Internal Standards						
1) Pentafluorobenzene	8.212	168	195337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	444273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	438354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	213359	53.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.620%			
35) Dibromofluoromethane	8.153	113	168169	52.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.860%			
50) Toluene-d8	10.547	98	570476	47.517	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.040%			
62) 4-Bromofluorobenzene	12.829	95	199550	46.738	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.480%			
Target Compounds						
					Qvalue	
16) Acetone	4.441	43	451	0.207	ug/l #	47
20) Methylene Chloride	5.283	84	1404	Below Cal	#	57
31) Cyclohexane	8.206	56	5184	1.030	ug/l #	24
36) 1,1-Dichloropropene	8.206	75	18162	3.691	ug/l #	52
38) Carbon Tetrachloride	8.212	117	22600	4.652	ug/l #	14
49) 1,4-Dioxane	9.406	88	80	1.243	ug/l #	13
51) 4-Methyl-2-Pentanone	10.541	43	2418	0.382	ug/l #	1
68) m/p-Xylenes	12.047	106	4711	0.680	ug/l	83
69) o-Xylene	12.376	106	1686	0.248	ug/l	68
76) 1,2,3-Trichloropropane	12.829	75	113332	22.824	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	113332	60.423	ug/l #	1

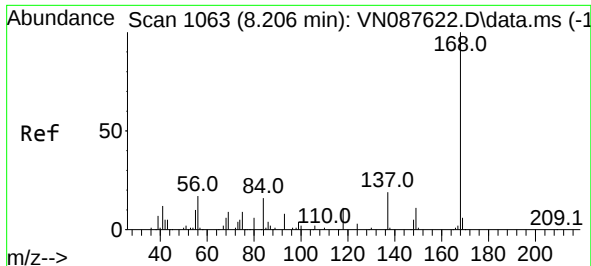
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 03:06:48 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

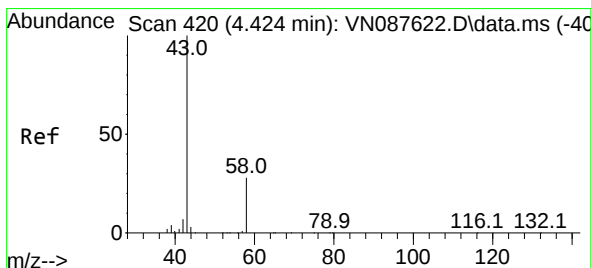
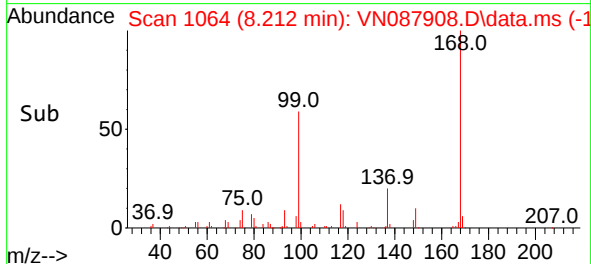
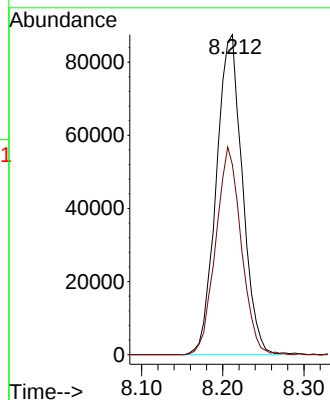
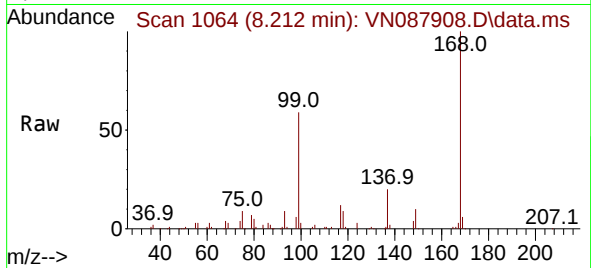




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

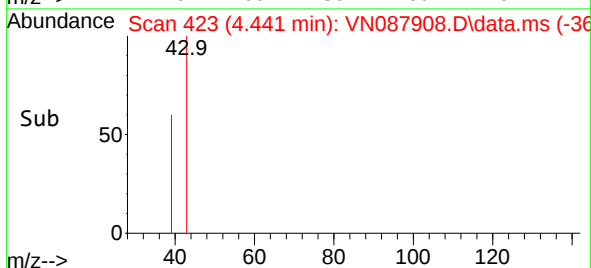
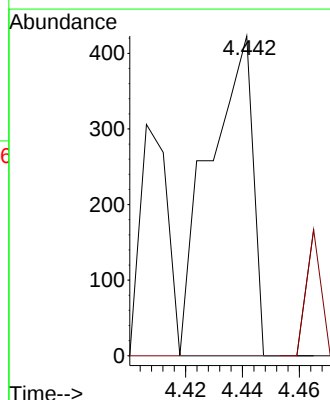
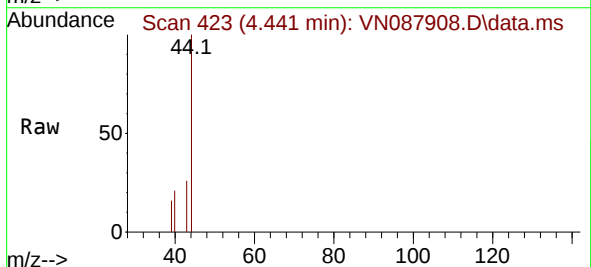
Instrument :
MSVOA_N
ClientSampleId :

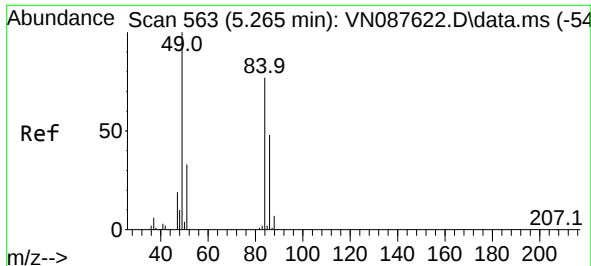
Tgt Ion:168 Resp: 195337
Ion Ratio Lower Upper
168 100
99 59.4 57.2 85.8



#16
Acetone
Concen: 0.207 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 51

Delta R.T. 0.018 min

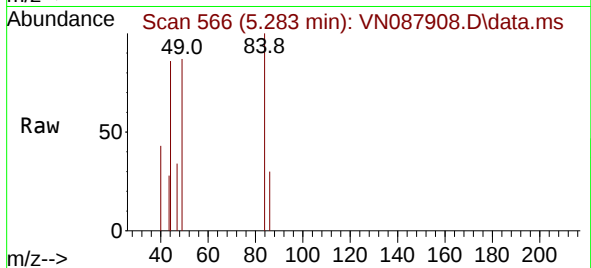
Lab File: VN087908.D

Acq: 19 Sep 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 1404

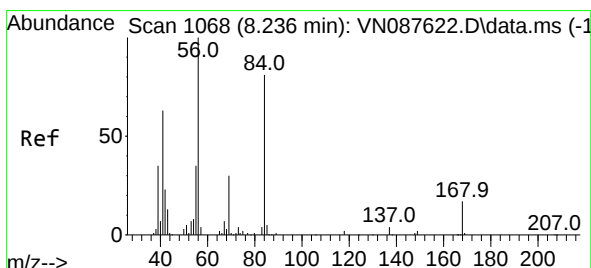
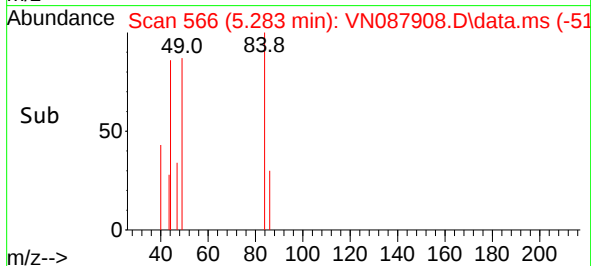
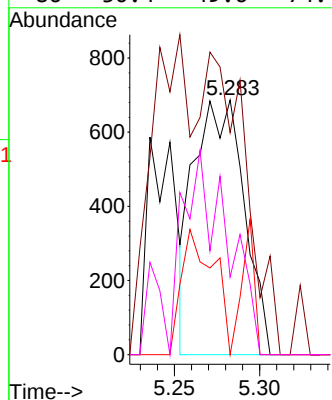
Ion Ratio Lower Upper

84 100

49 87.2 103.4 155.2#

51 0.0 33.8 50.8#

86 30.4 49.6 74.4#



#31

Cyclohexane

Concen: 1.030 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.030 min

Lab File: VN087908.D

Acq: 19 Sep 2025 13:45

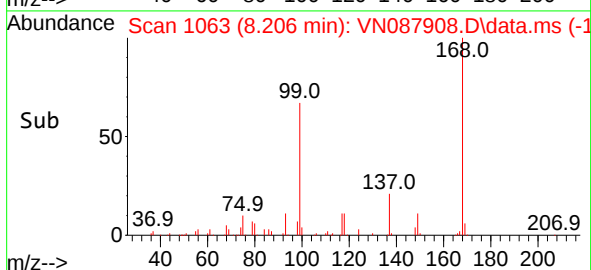
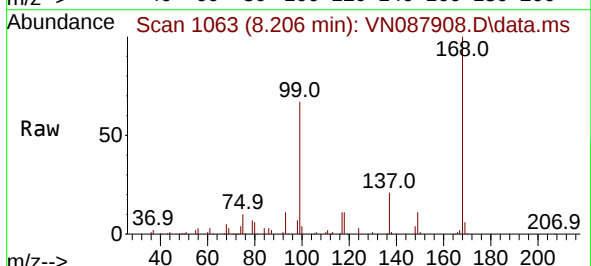
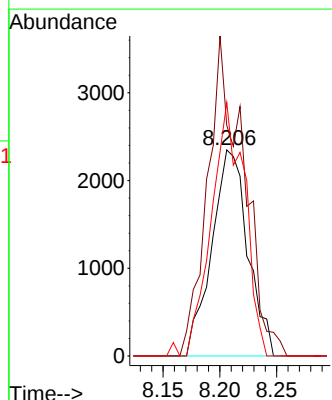
Tgt Ion: 56 Resp: 5184

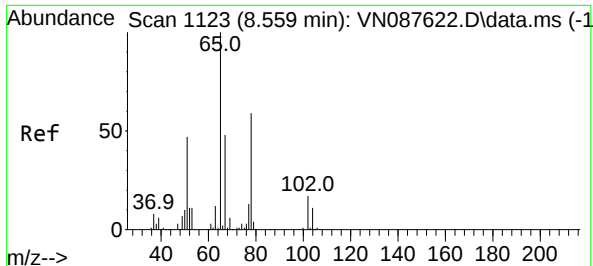
Ion Ratio Lower Upper

56 100

69 111.9 23.7 35.5#

84 123.0 64.7 97.1#

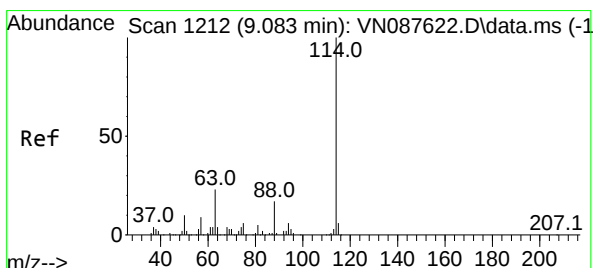
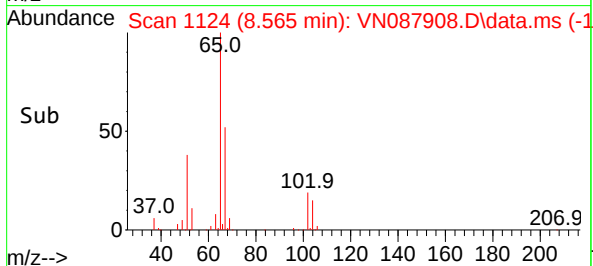
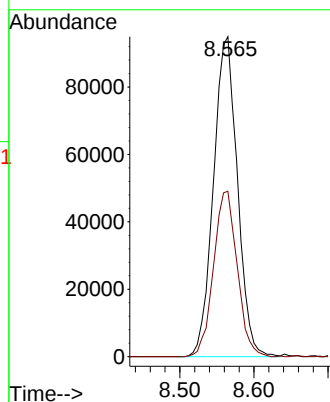
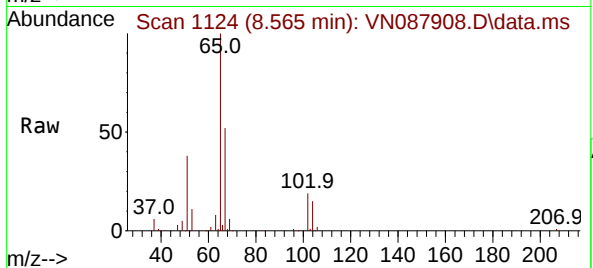




#33
 1,2-Dichloroethane-d4
 Concen: 53.310 ug/l
 RT: 8.565 min Scan# 1123
 Delta R.T. 0.006 min
 Lab File: VN087908.D
 Acq: 19 Sep 2025 13:45

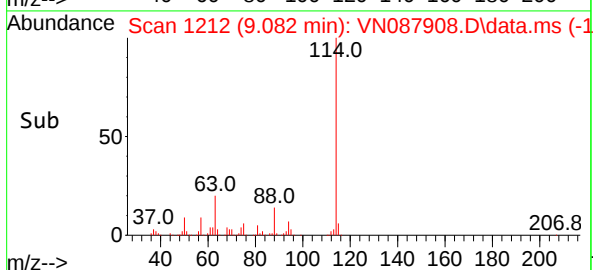
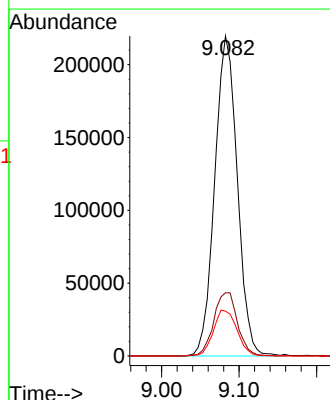
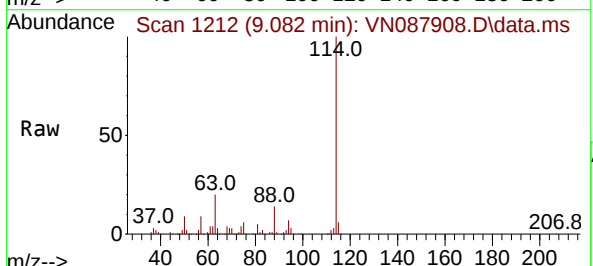
Instrument :
 MSVOA_N
 ClientSampleId :

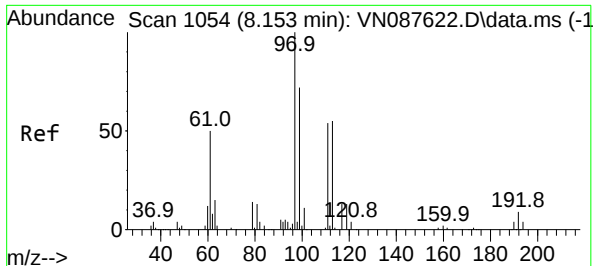
Tgt Ion: 65 Resp: 213359
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 100.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: VN087908.D
 Acq: 19 Sep 2025 13:45

Tgt Ion: 114 Resp: 444273
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 45.2
 88 14.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.428 ug/l

RT: 8.153 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VN087908.D

Acq: 19 Sep 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :

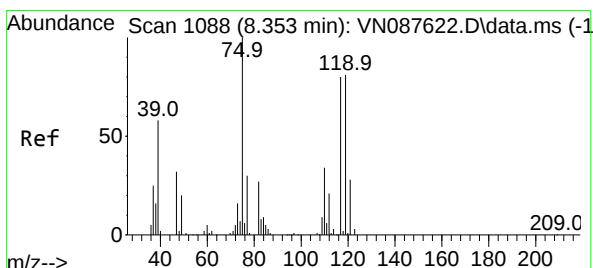
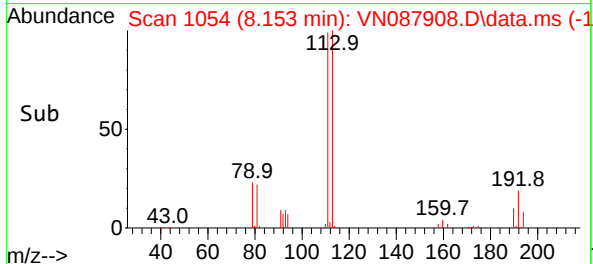
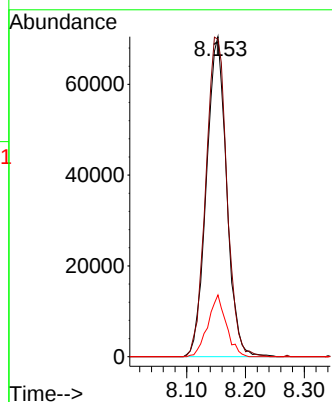
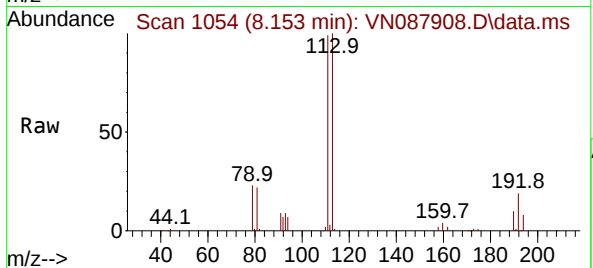
Tgt Ion:113 Resp: 168169

Ion Ratio Lower Upper

113 100

111 104.0 82.8 124.2

192 17.6 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.691 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087908.D

Acq: 19 Sep 2025 13:45

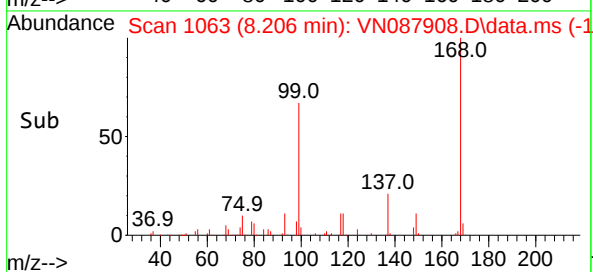
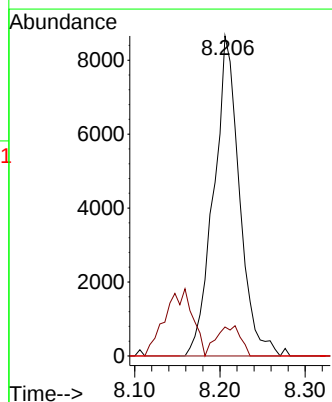
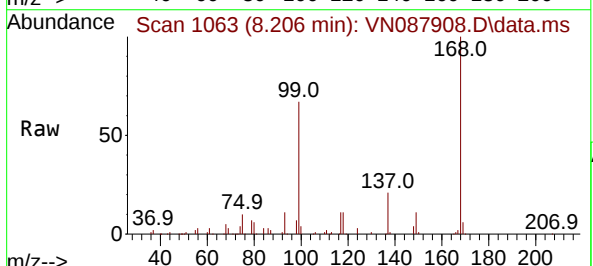
Tgt Ion: 75 Resp: 18162

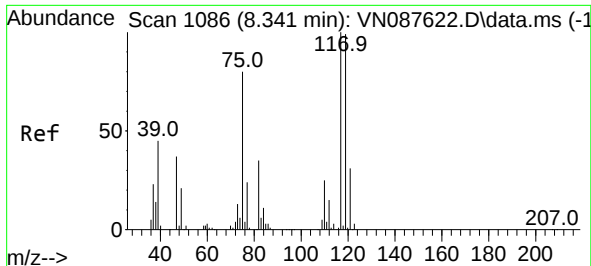
Ion Ratio Lower Upper

75 100

110 8.8 15.9 47.6#

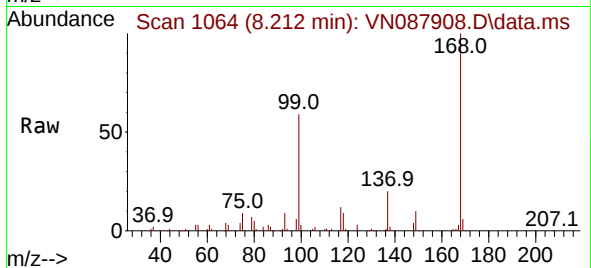
77 0.0 24.4 36.6#



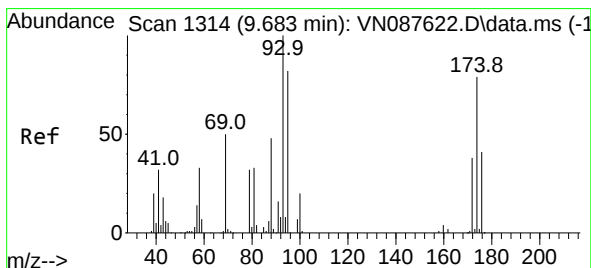
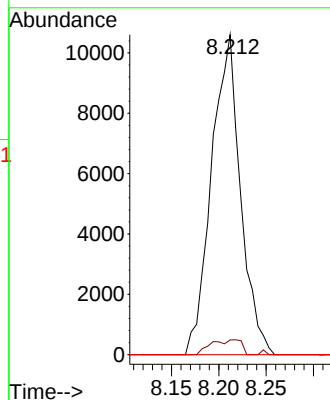
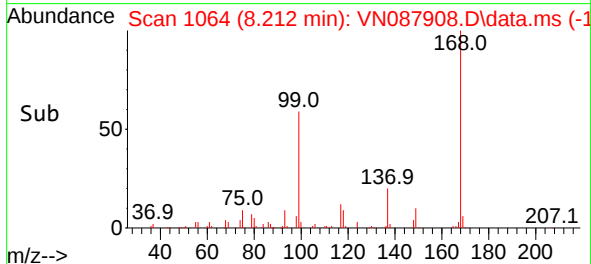


#38
Carbon Tetrachloride
Concen: 4.652 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

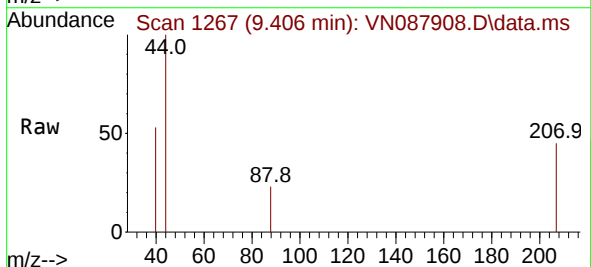
Instrument :
MSVOA_N
ClientSampleId :



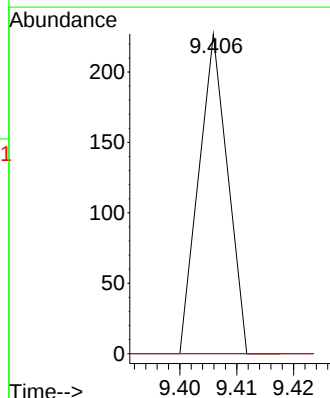
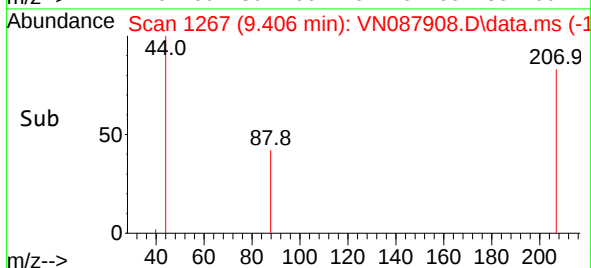
Tgt Ion:117 Resp: 22600
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 25.0 37.6#

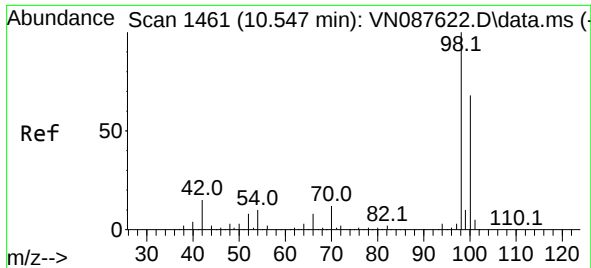


#49
1,4-Dioxane
Concen: 1.243 ug/l
RT: 9.406 min Scan# 1267
Delta R.T. -0.277 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45



Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 57.9 86.9#

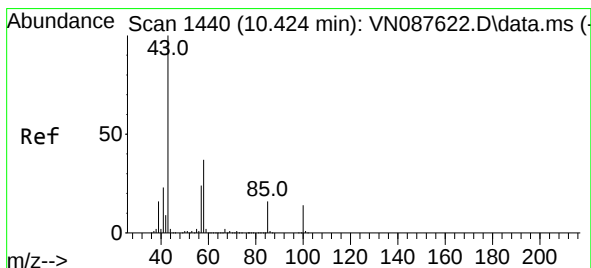
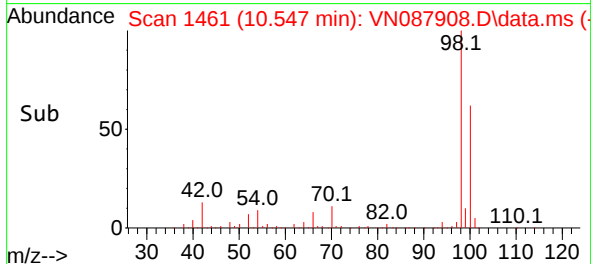
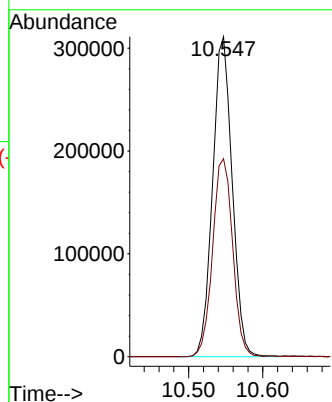
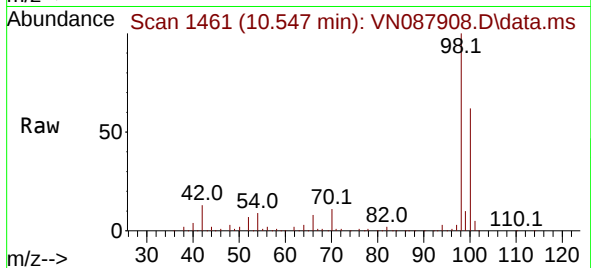




#50
Toluene-d8
Concen: 47.517 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

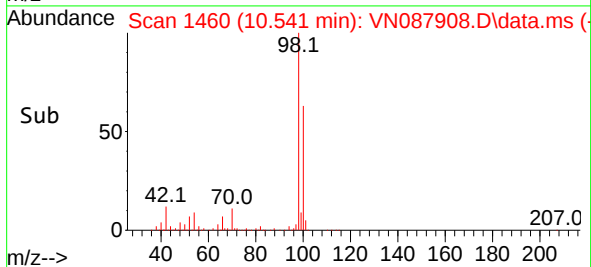
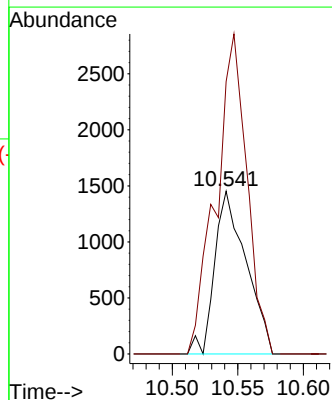
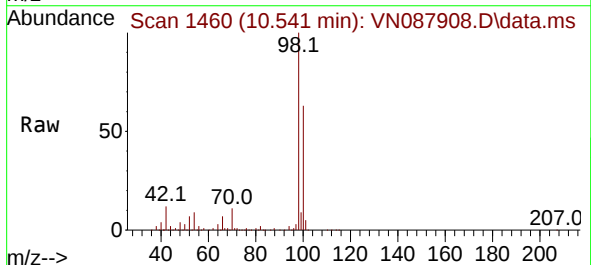
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MSVOA_N
ClientSampleId :

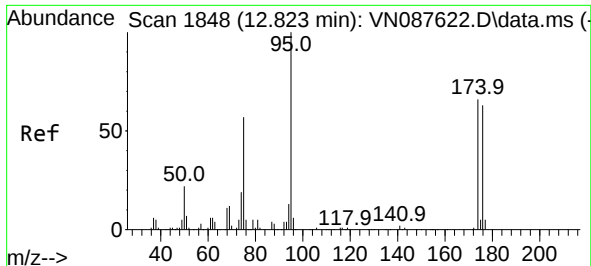
Tgt Ion: 98 Resp: 570476
Ion Ratio Lower Upper
98 100
100 63.4 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.382 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.117 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

Tgt Ion: 43 Resp: 2418
Ion Ratio Lower Upper
43 100
58 194.2 29.6 44.4#

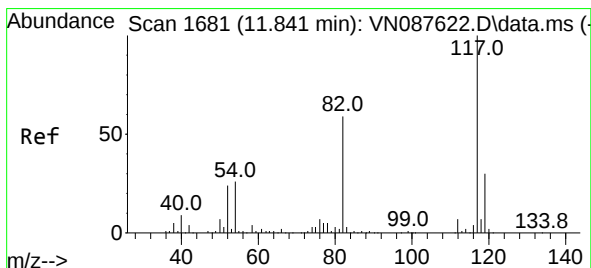
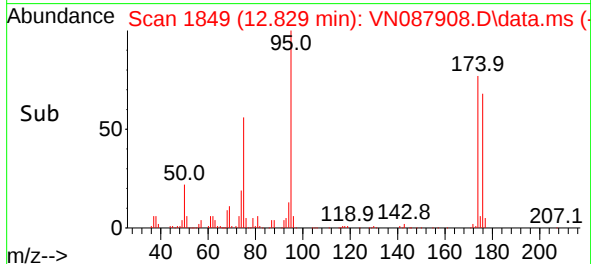
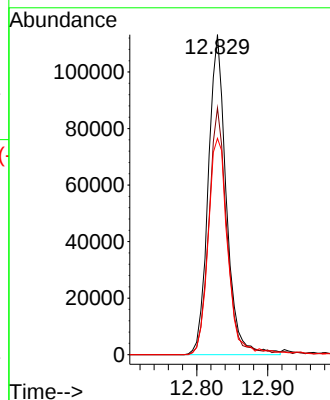
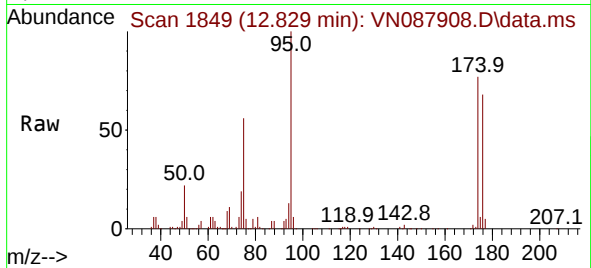




#62
4-Bromofluorobenzene
Concen: 46.738 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

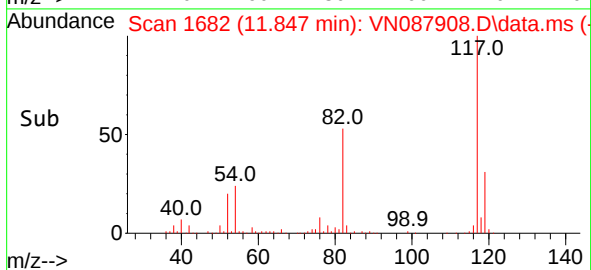
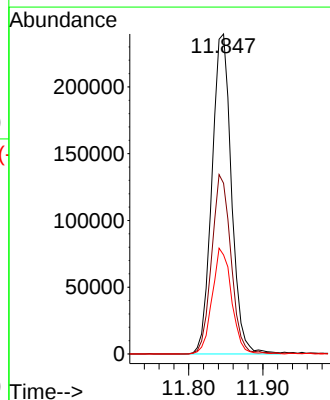
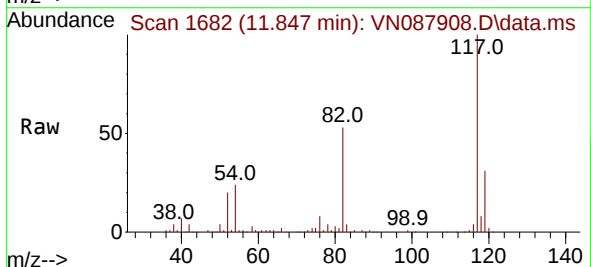
Instrument :
MSVOA_N
ClientSampleId :

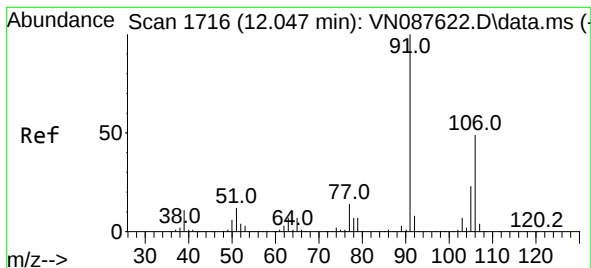
Tgt Ion: 95 Resp: 199550
Ion Ratio Lower Upper
95 100
174 77.5 0.0 138.4
176 73.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

Tgt Ion: 117 Resp: 438354
Ion Ratio Lower Upper
117 100
82 53.3 47.4 71.2
119 31.0 24.3 36.5

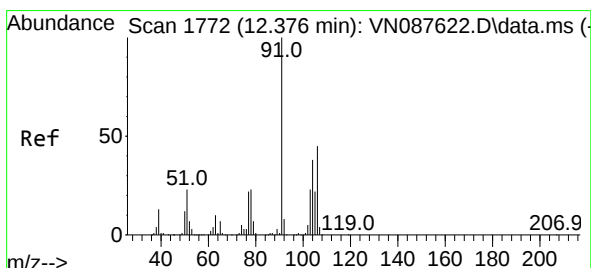
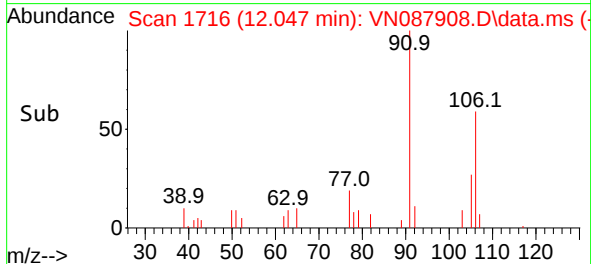
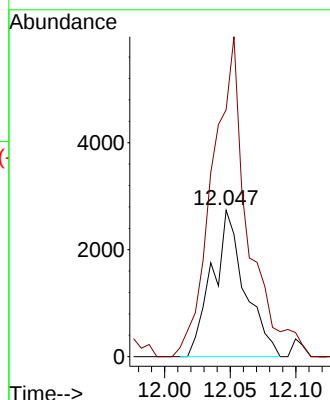
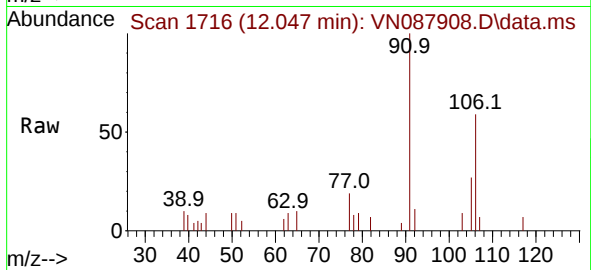




#68
m/p-Xylenes
Concen: 0.680 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

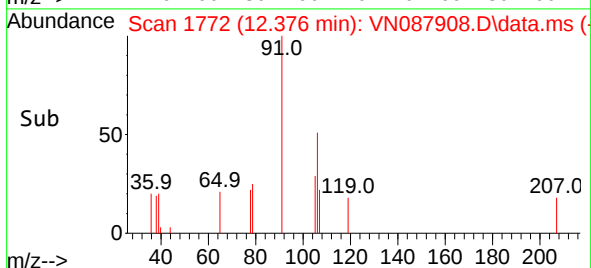
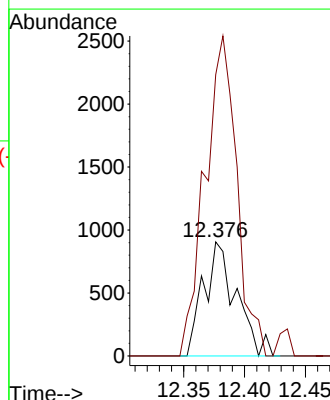
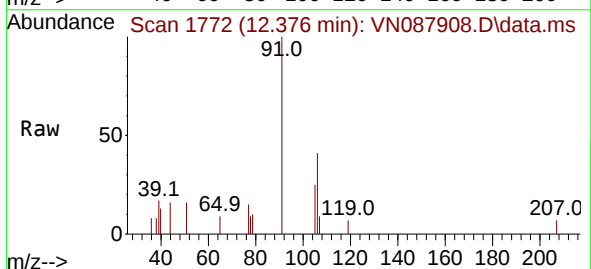
Instrument :
MSVOA_N
ClientSampleId :

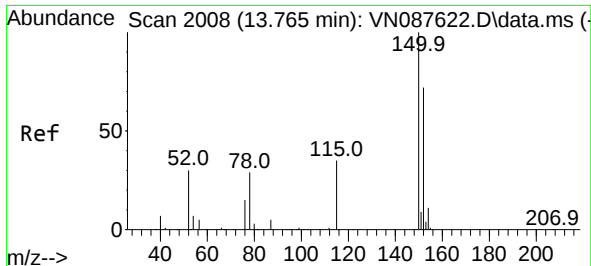
Tgt Ion:106 Resp: 4711
Ion Ratio Lower Upper
106 100
91 239.0 169.3 253.9



#69
o-Xylene
Concen: 0.248 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087908.D
Acq: 19 Sep 2025 13:45

Tgt Ion:106 Resp: 1686
Ion Ratio Lower Upper
106 100
91 274.0 111.4 334.2

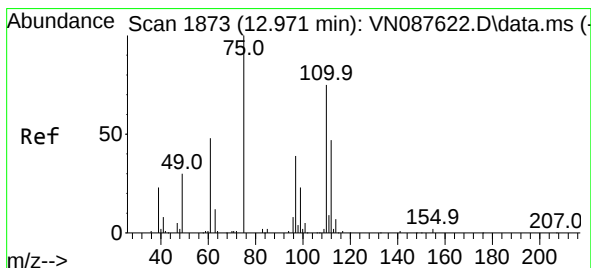
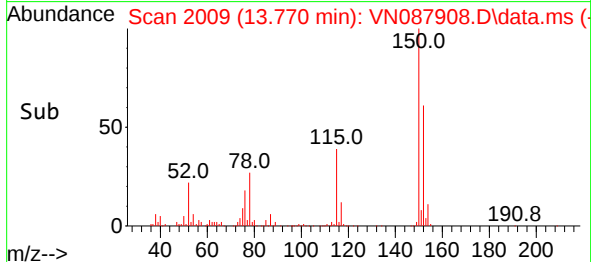
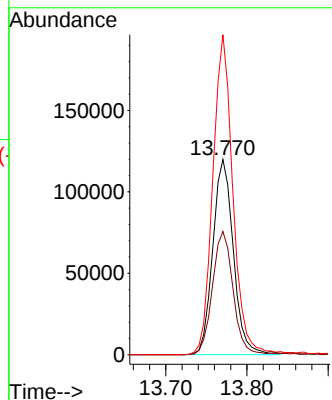
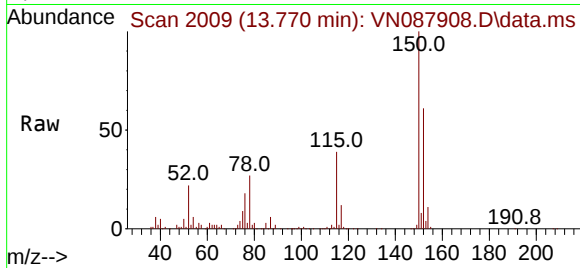




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087908.D
 Acq: 19 Sep 2025 13:45

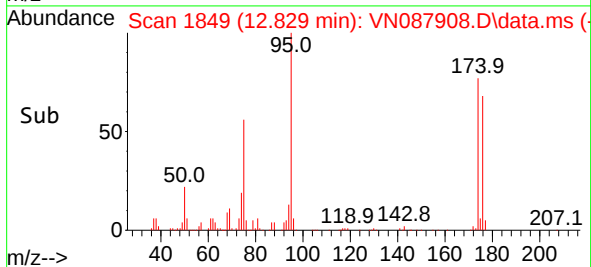
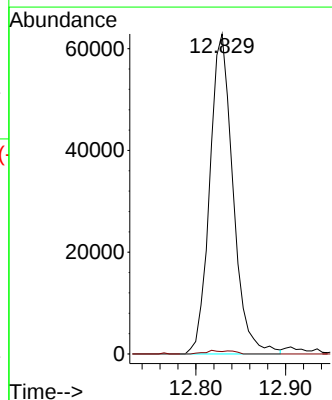
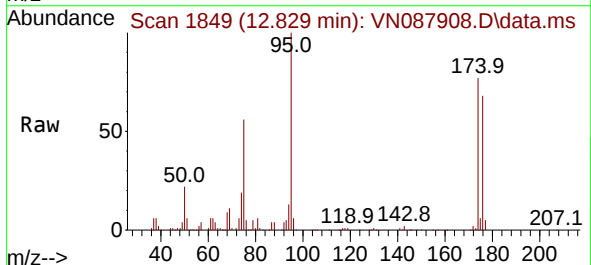
Instrument :
 MSVOA_N
 ClientSampleId :

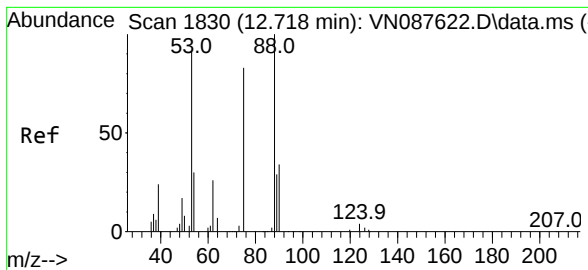
Tgt Ion:152 Resp: 211746
 Ion Ratio Lower Upper
 152 100
 115 63.7 32.3 96.8
 150 159.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.824 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087908.D
 Acq: 19 Sep 2025 13:45

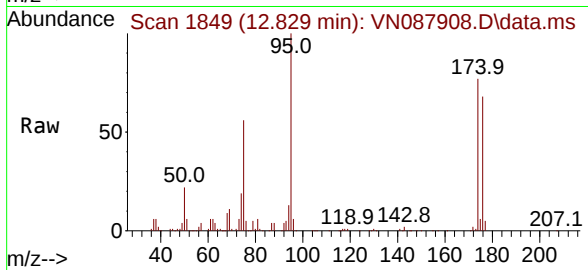
Tgt Ion: 75 Resp: 113332
 Ion Ratio Lower Upper
 75 100
 77 0.8 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.423 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087908.D
 Acq: 19 Sep 2025 13:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 113332
 Ion Ratio Lower Upper
 75 100
 53 0.3 101.8 152.6#
 89 0.0 35.6 53.4#

