

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087655.D
 Acq On : 25 Aug 2025 14:19
 Operator : JC\MD
 Sample : Q2920-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 26 01:35:21 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)

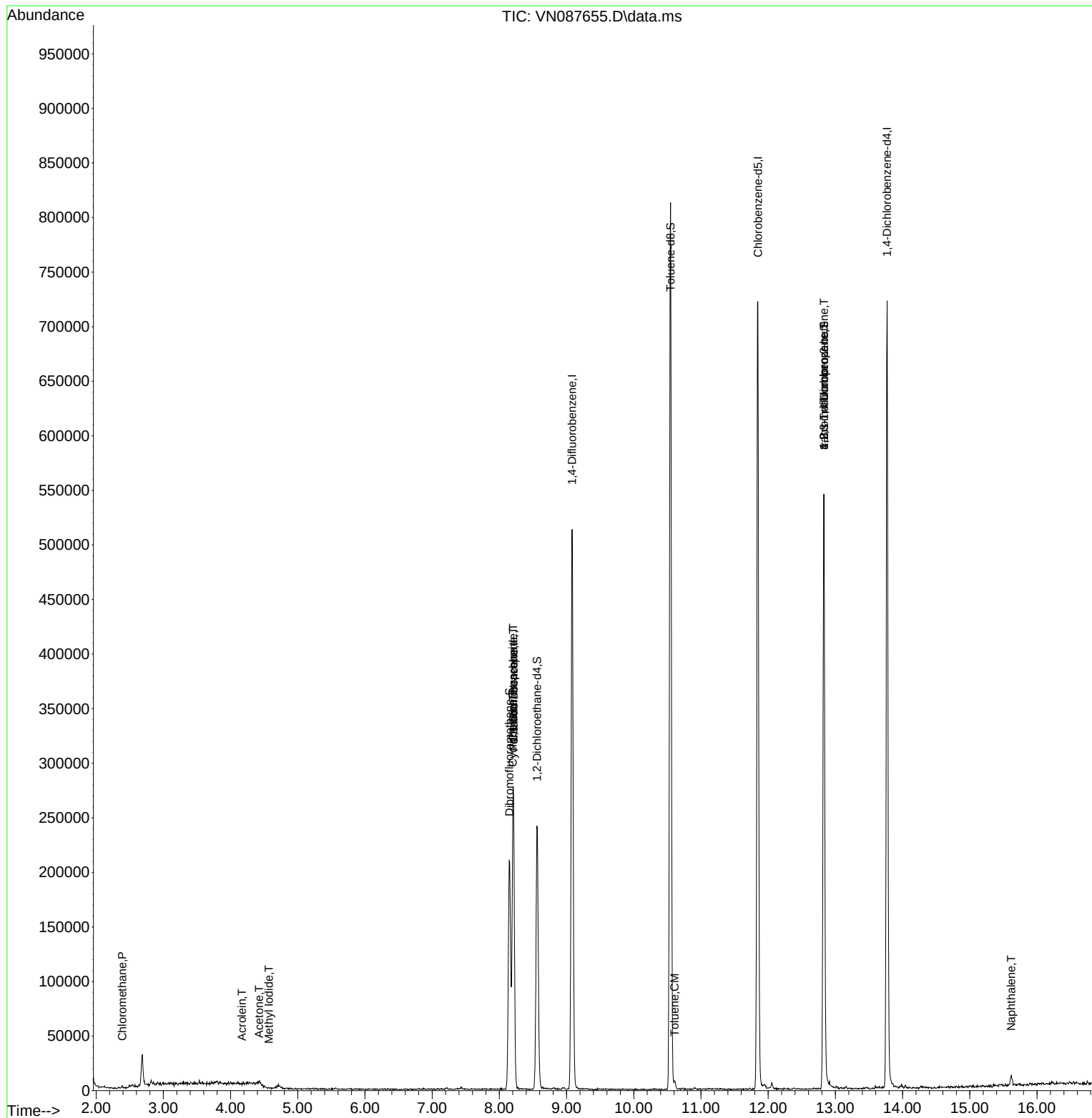
Internal Standards						
1) Pentafluorobenzene	8.212	168	184539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	427250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	403211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	183679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202103	53.452	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.900%		
35) Dibromofluoromethane	8.147	113	150945	48.933	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.860%		
50) Toluene-d8	10.547	98	552034	47.813	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.620%		
62) 4-Bromofluorobenzene	12.829	95	192118	46.790	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.580%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	1444	0.536	ug/l #	64
10) Methyl Iodide	4.571	142	54	6.835	ug/l #	38
13) Acrolein	4.171	56	267	0.331	ug/l #	1
16) Acetone	4.424	43	5807	2.821	ug/l	91
20) Methylene Chloride	5.265	84	315	Below Cal	#	5
31) Cyclohexane	8.200	56	5776	1.215	ug/l #	48
36) 1,1-Dichloropropene	8.206	75	18505	3.910	ug/l #	51
38) Carbon Tetrachloride	8.206	117	21707	4.646	ug/l #	13
52) Toluene	10.606	92	2762	0.307	ug/l	99
76) 1,2,3-Trichloropropane	12.829	75	110871	25.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	110871	68.143	ug/l #	1
95) Naphthalene	15.617	128	8536	0.614	ug/l	97

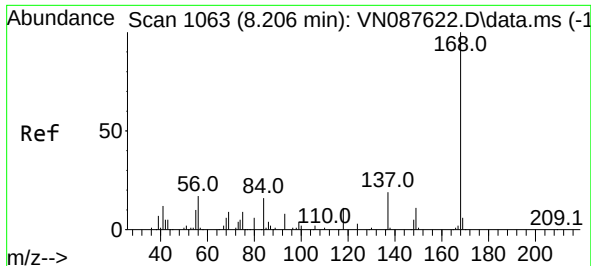
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

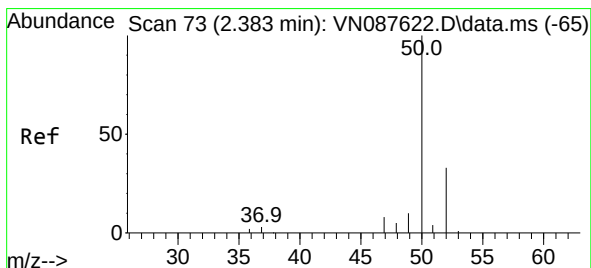
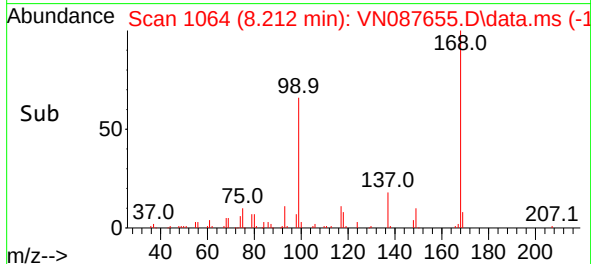
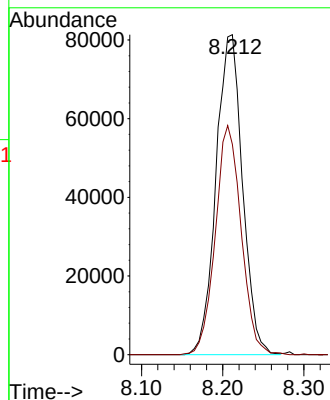
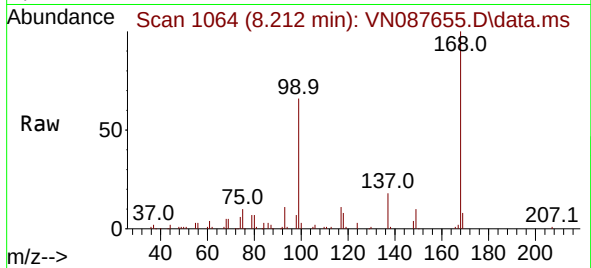




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

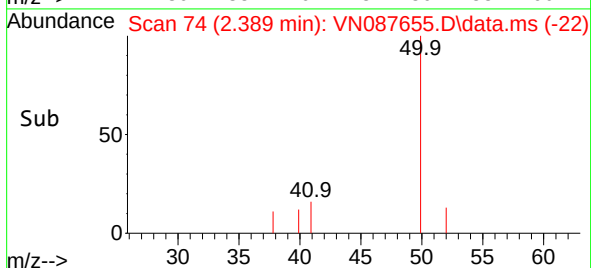
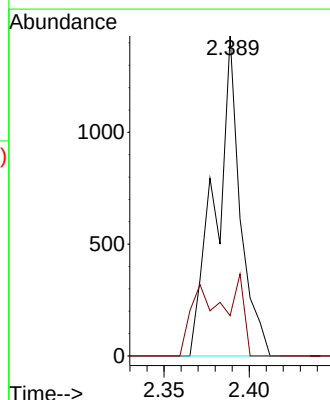
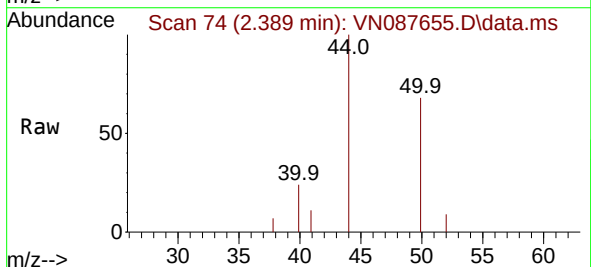
Instrument :
MSVOA_N
ClientSampleId :

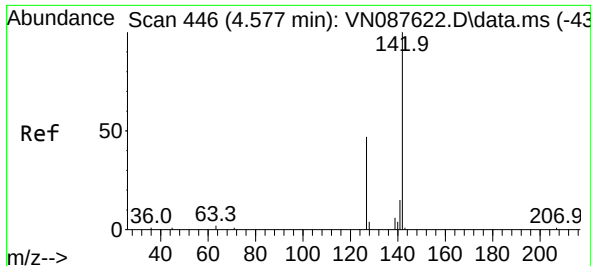
Tgt Ion:168 Resp: 184539
Ion Ratio Lower Upper
168 100
99 65.8 57.2 85.8



#3
Chloromethane
Concen: 0.536 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

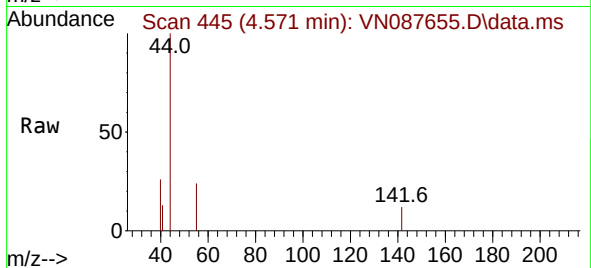
Tgt Ion: 50 Resp: 1444
Ion Ratio Lower Upper
50 100
52 12.6 26.2 39.4#



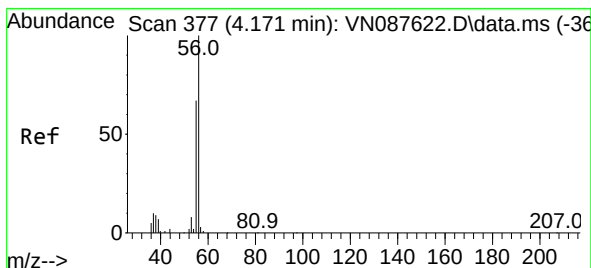
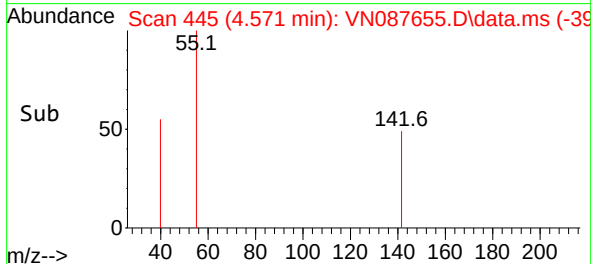
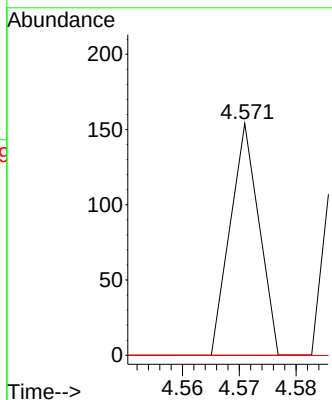


#10
Methyl Iodide
Concen: 6.835 ug/l
RT: 4.571 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :

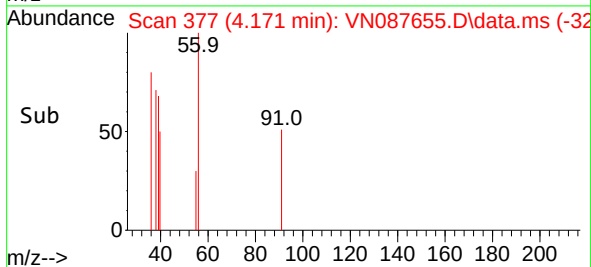
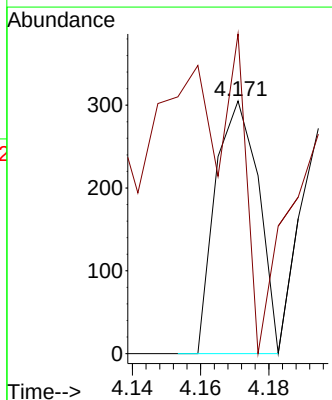
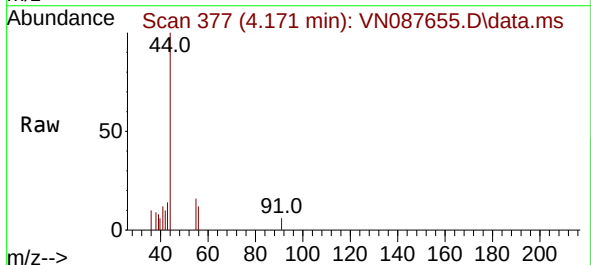


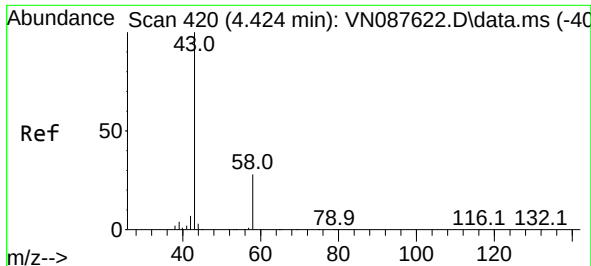
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.331 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.000 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 369.3 57.3 85.9#

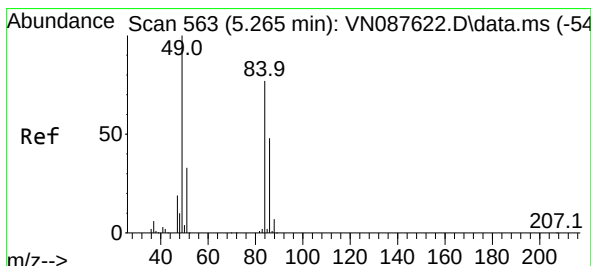
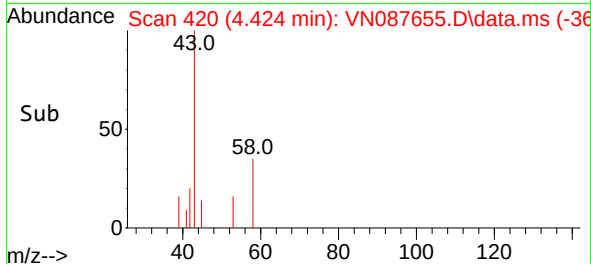
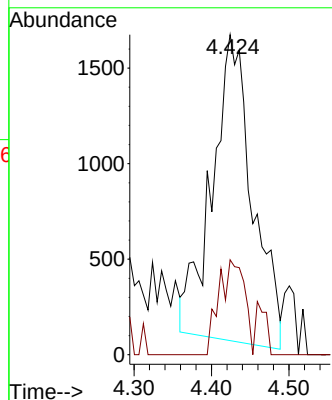
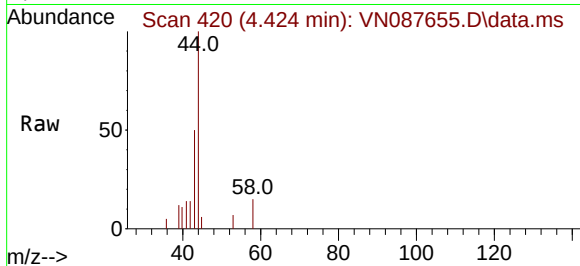




#16
Acetone
Concen: 2.821 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

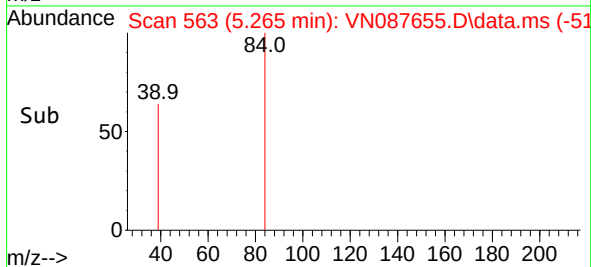
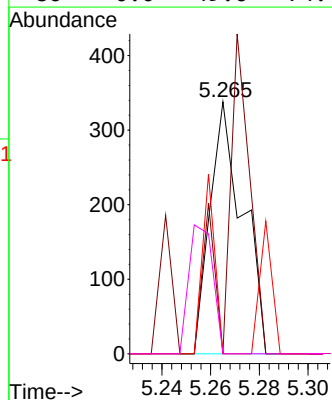
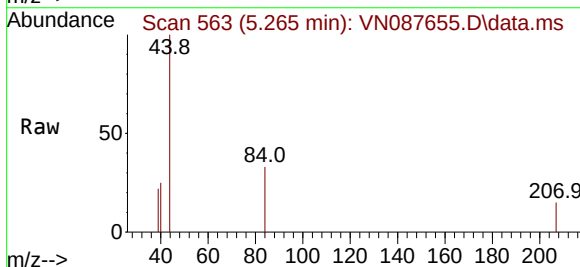
Instrument :
MSVOA_N
ClientSampleId :

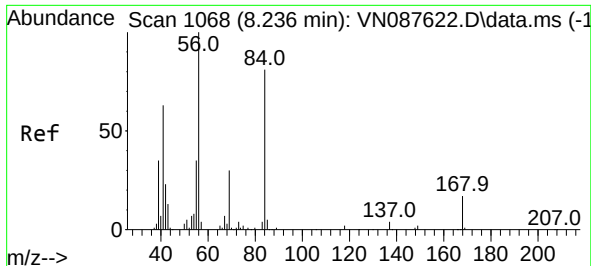
Tgt Ion: 43 Resp: 5807
Ion Ratio Lower Upper
43 100
58 33.2 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

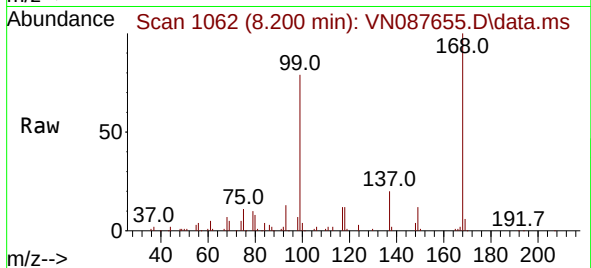
Tgt Ion: 84 Resp: 315
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



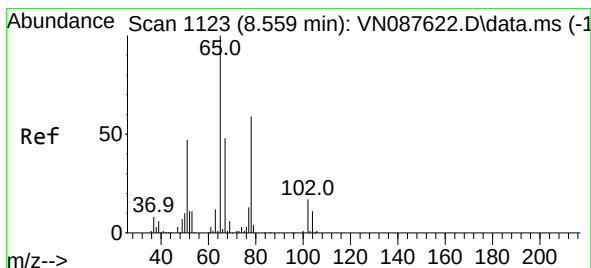
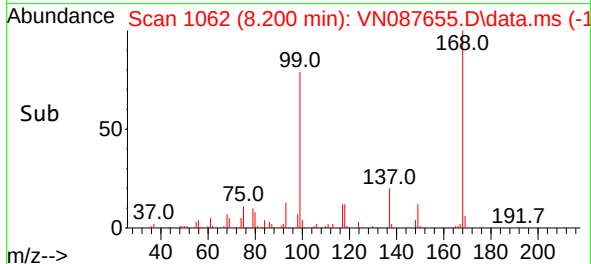
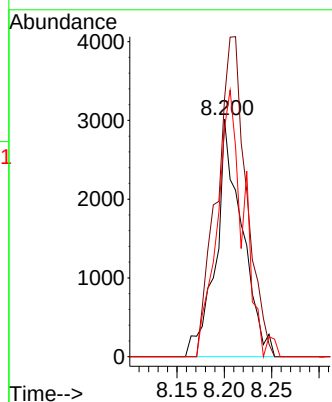


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :

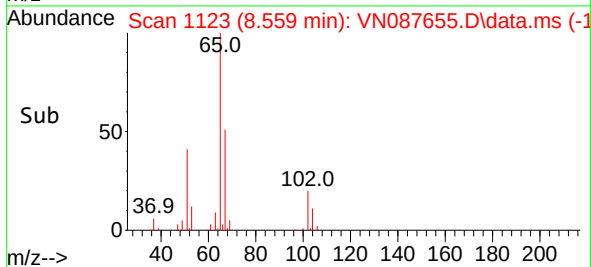
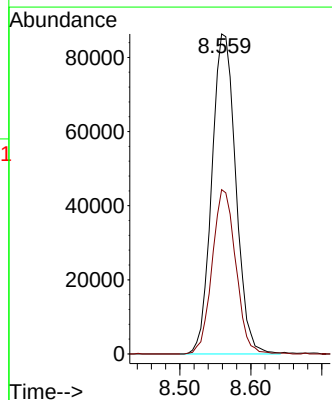
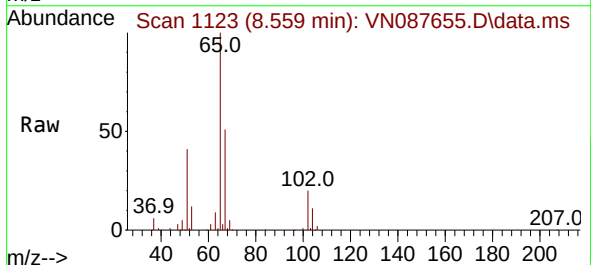


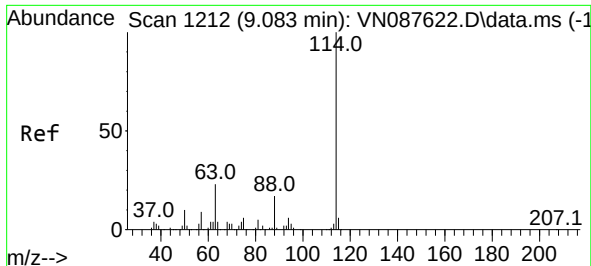
Tgt Ion	Ratio	Lower	Upper
56	100		
69	108.6	23.7	35.5#
84	96.5	64.7	97.1



#33
1,2-Dichloroethane-d4
Concen: 53.452 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087655.D

Acq: 25 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

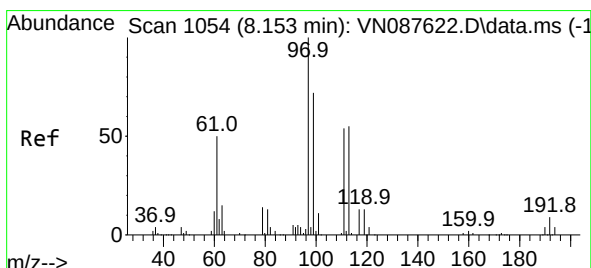
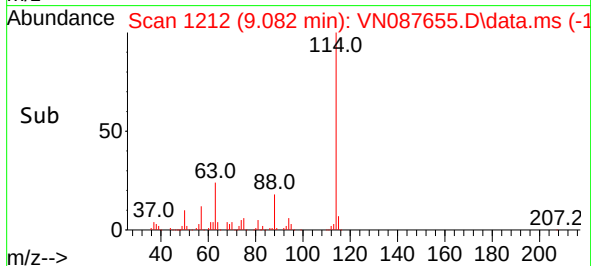
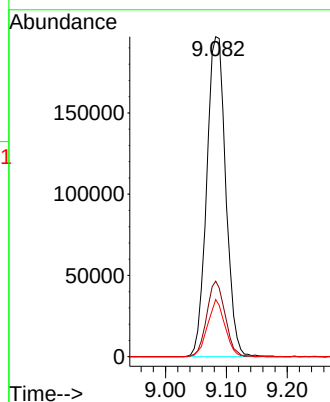
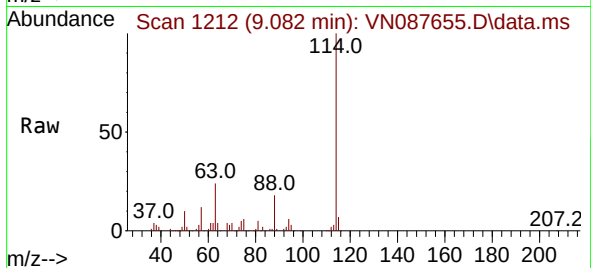
Tgt Ion:114 Resp: 427250

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 17.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.933 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087655.D

Acq: 25 Aug 2025 14:19

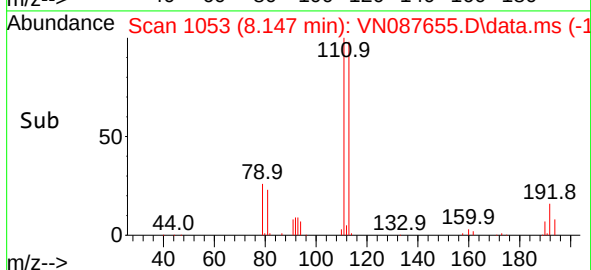
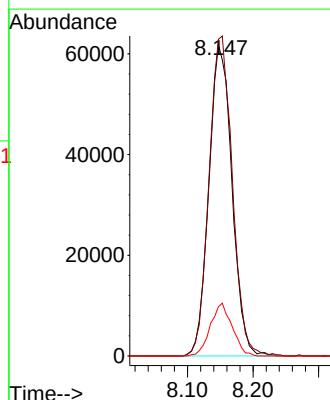
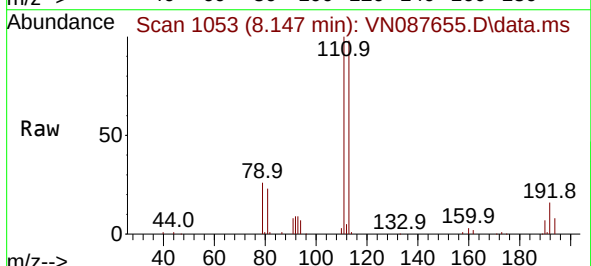
Tgt Ion:113 Resp: 150945

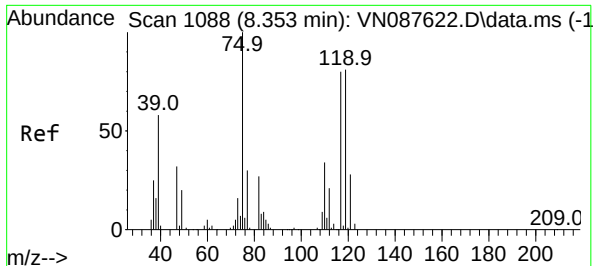
Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 16.0 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.910 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087655.D

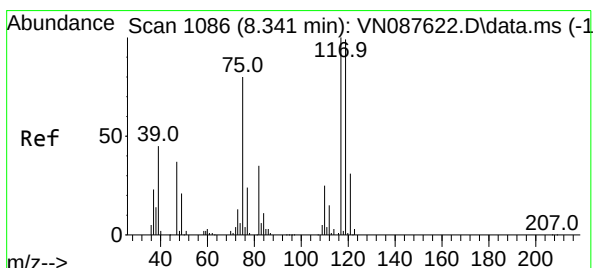
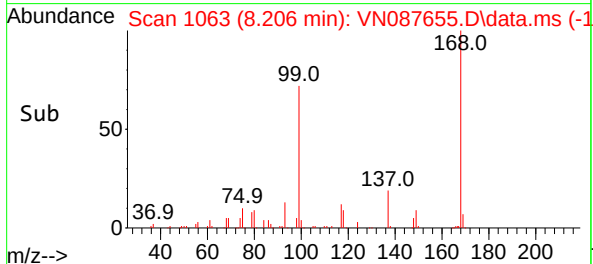
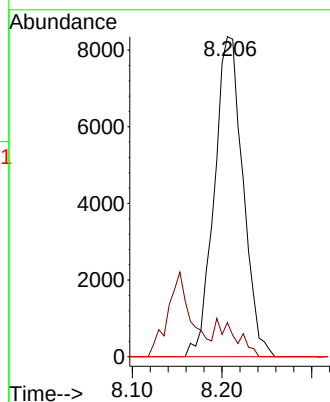
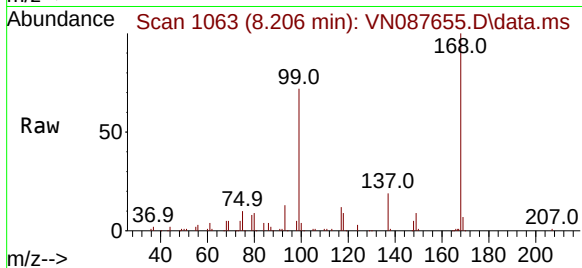
Acq: 25 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18505
Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.9	47.6#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.646 ug/l

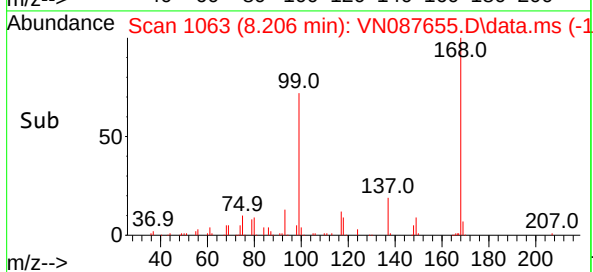
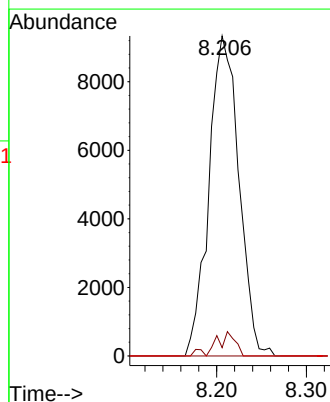
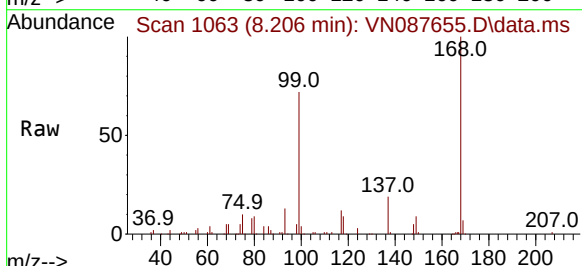
RT: 8.206 min Scan# 1063

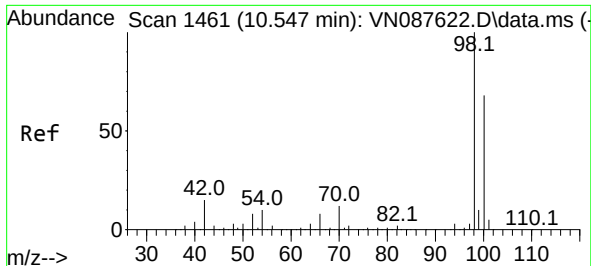
Delta R.T. -0.135 min

Lab File: VN087655.D

Acq: 25 Aug 2025 14:19

Tgt Ion:	117	Resp:	21707
Ion	Ratio	Lower	Upper
117	100		
119	2.6	79.0	118.6#
121	0.0	25.0	37.6#

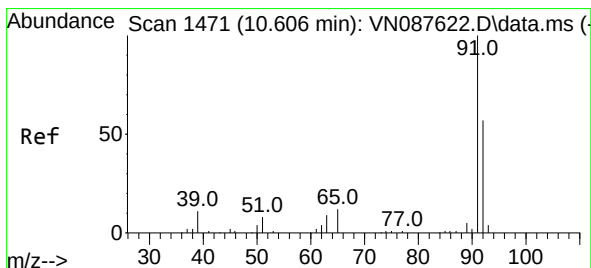
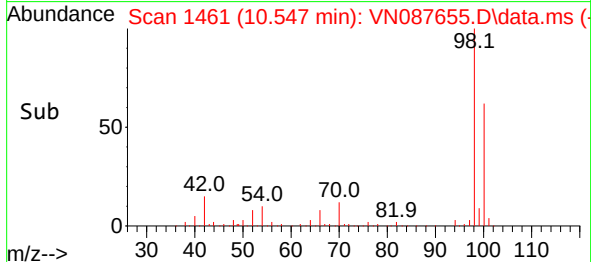
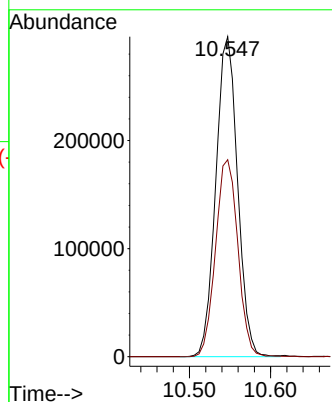
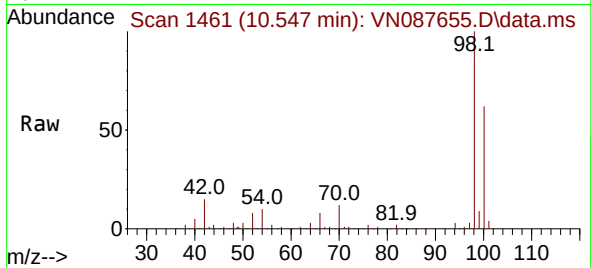




#50
Toluene-d8
Concen: 47.813 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

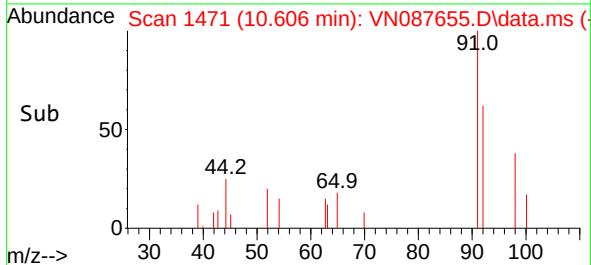
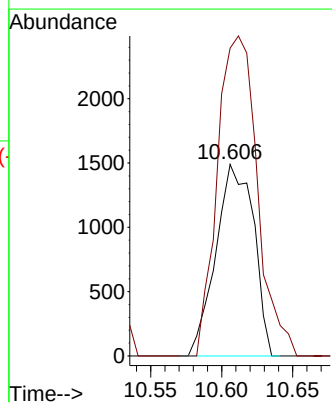
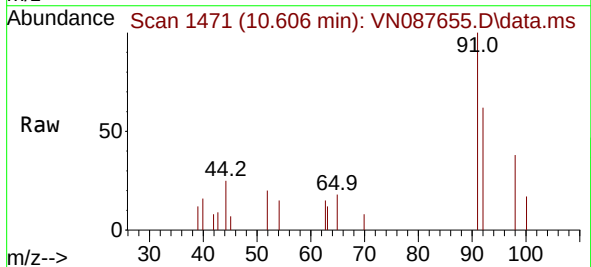
Instrument :
MSVOA_N
ClientSampleId :

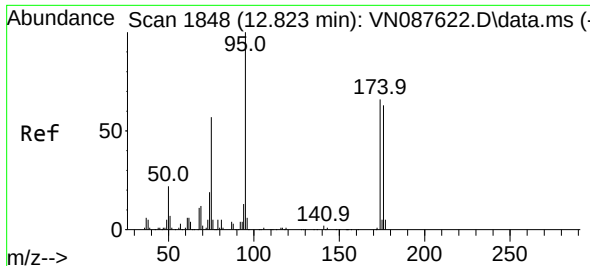
Tgt Ion: 98 Resp: 552034
Ion Ratio Lower Upper
98 100
100 63.2 52.8 79.2



#52
Toluene
Concen: 0.307 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Tgt Ion: 92 Resp: 2762
Ion Ratio Lower Upper
92 100
91 176.5 140.4 210.6

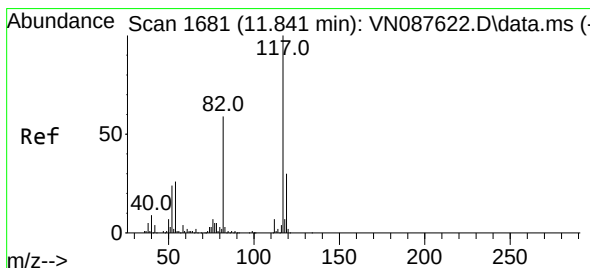
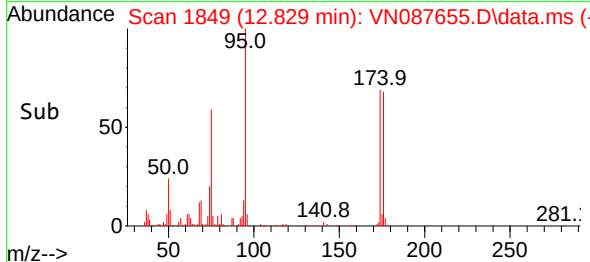
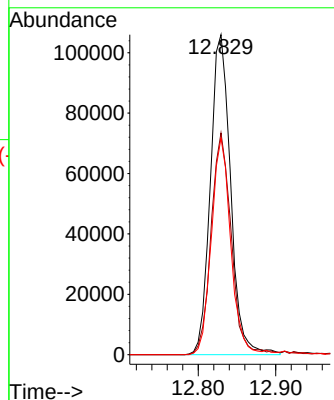
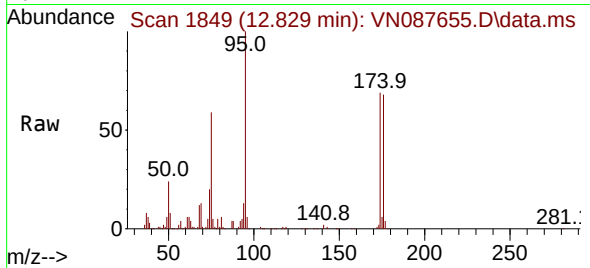




#62
4-Bromofluorobenzene
Concen: 46.790 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

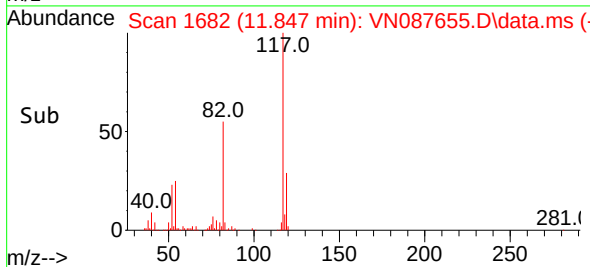
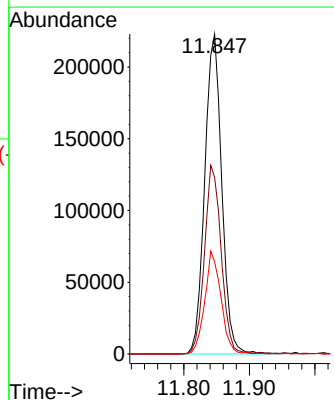
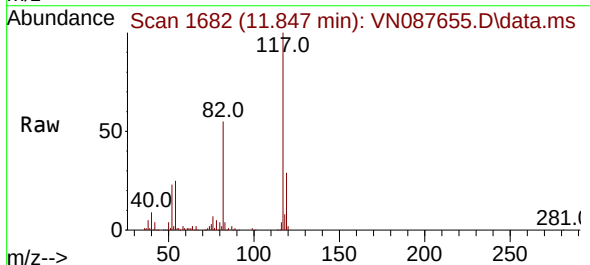
Instrument :
MSVOA_N
ClientSampleId :

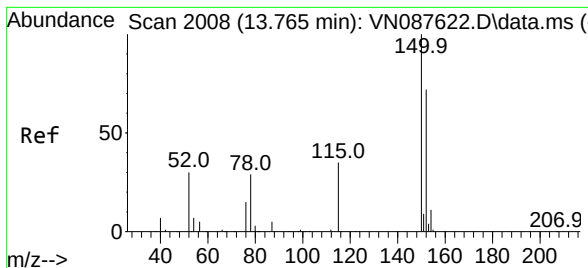
Tgt Ion: 95 Resp: 192118
Ion Ratio Lower Upper
95 100
174 69.2 0.0 138.4
176 65.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Tgt Ion: 117 Resp: 403211
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 28.8 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VN087655.D

Acq: 25 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

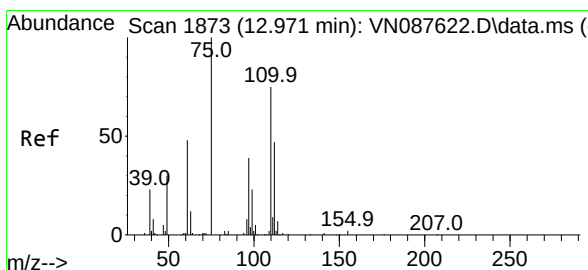
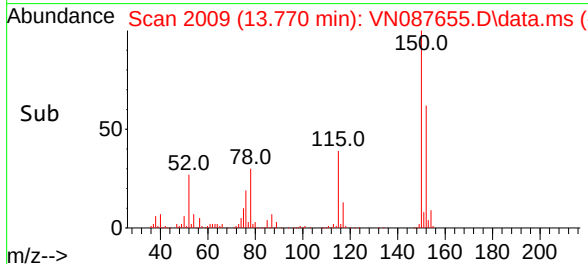
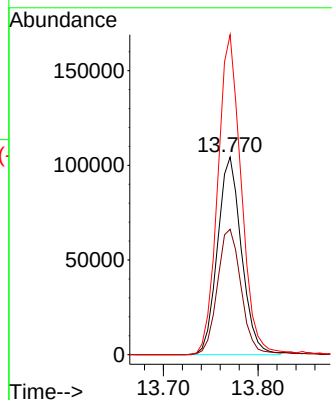
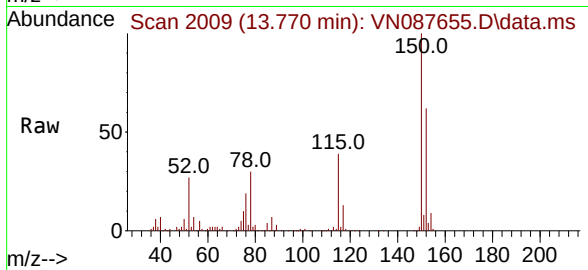
Tgt Ion:152 Resp: 183679

Ion Ratio Lower Upper

152 100

115 63.8 32.3 96.8

150 158.8 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 25.740 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087655.D

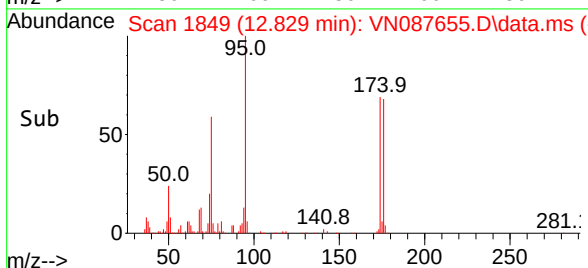
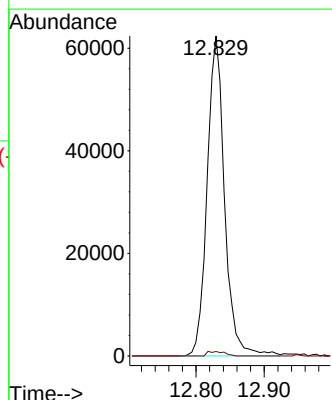
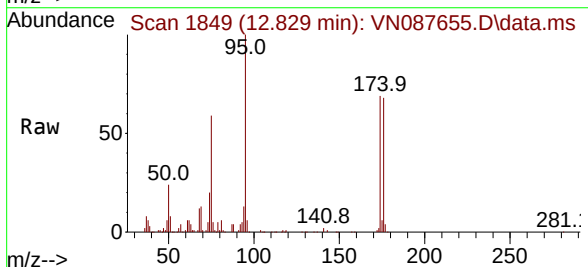
Acq: 25 Aug 2025 14:19

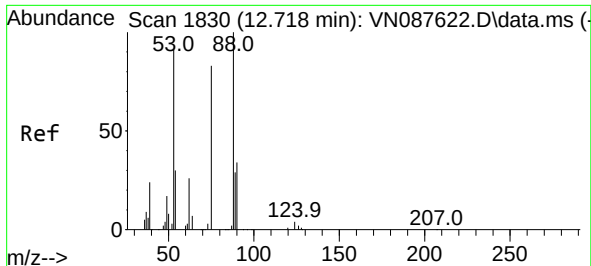
Tgt Ion: 75 Resp: 110871

Ion Ratio Lower Upper

75 100

77 1.4 89.1 267.4#

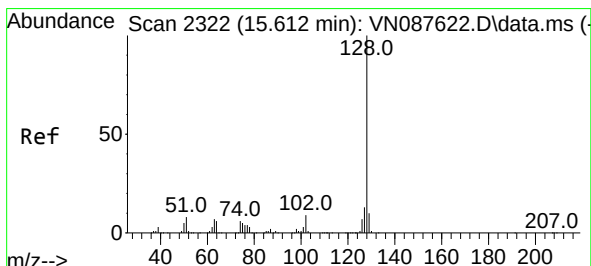
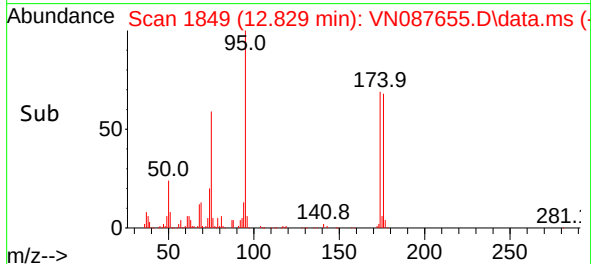
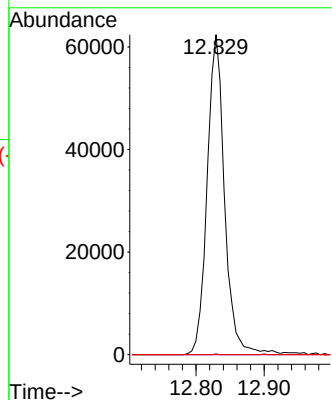
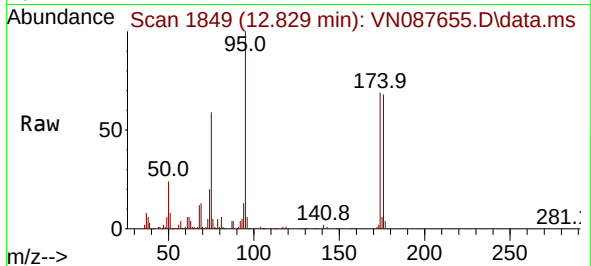




#81
trans-1,4-Dichloro-2-butene
Concen: 68.143 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 110871
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 0.614 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087655.D
Acq: 25 Aug 2025 14:19

Tgt Ion:128 Resp: 8536
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 10.0 8.6 12.8

