

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087565.D
 Acq On : 14 Aug 2025 14:58
 Operator : JC\MD
 Sample : Q2842-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 15:25:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

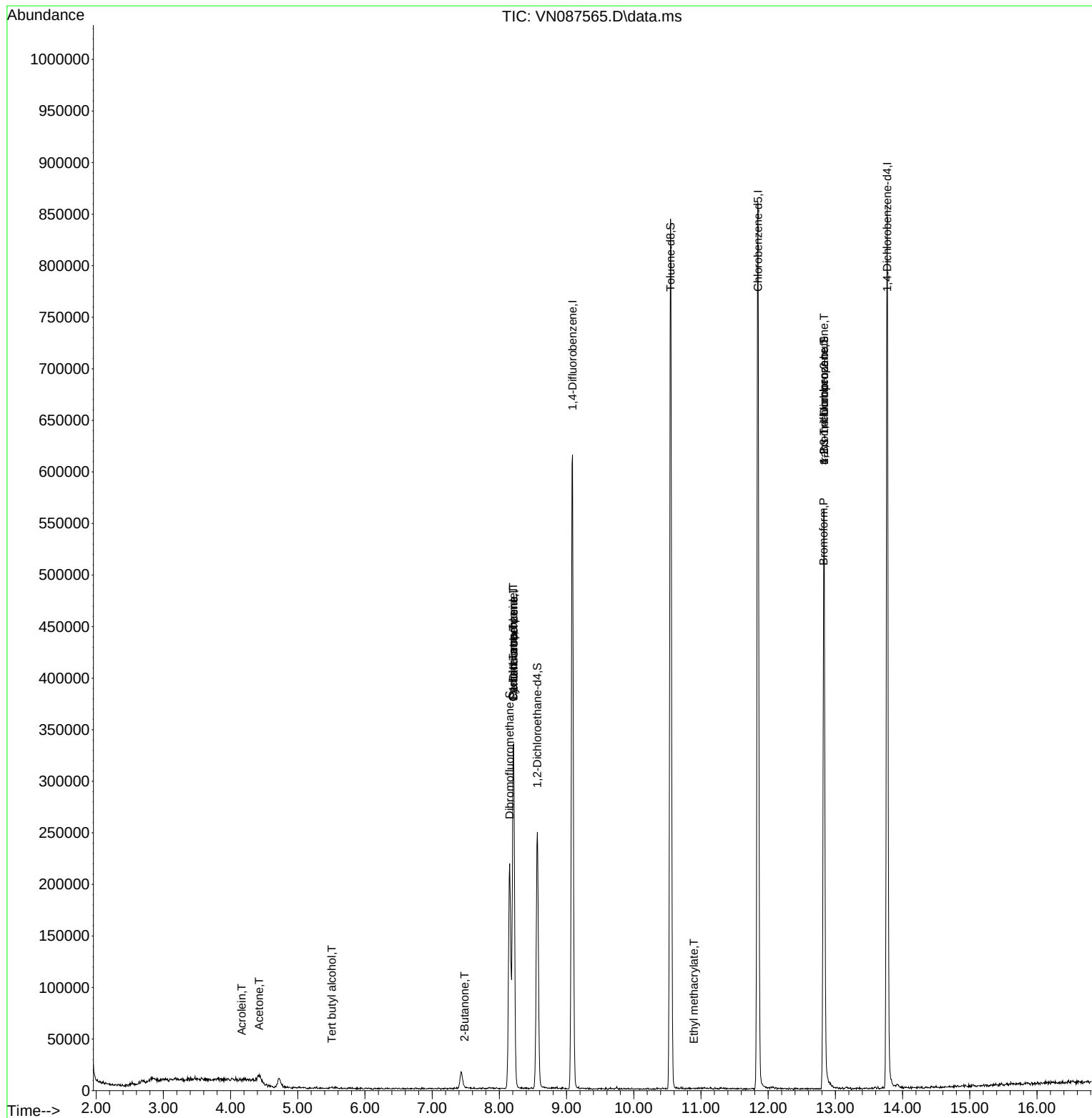
Internal Standards						
1) Pentafluorobenzene	8.212	168	224412	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.088	114	498664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	458661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	214662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	209873	55.117	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	110.240%	
35) Dibromofluoromethane	8.153	113	154326	44.865	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.740%	
50) Toluene-d8	10.547	98	559384	45.589	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	91.180%	
62) 4-Bromofluorobenzene	12.829	95	200248	44.173	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	88.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	610	0.844	ug/l #	72
13) Acrolein	4.165	56	177	0.305	ug/l #	1
16) Acetone	4.424	43	8905	4.988	ug/l #	88
20) Methylene Chloride	5.253	84	219	Below Cal	#	67
25) 2-Butanone	7.483	43	793	0.287	ug/l #	51
31) Cyclohexane	8.206	56	7165	1.531	ug/l #	40
36) 1,1-Dichloropropene	8.206	75	23982	5.277	ug/l #	50
38) Carbon Tetrachloride	8.206	117	26681	5.330	ug/l #	13
56) Ethyl methacrylate	10.894	69	72	0.647	ug/l #	11
71) Bromoform	12.823	173	1091	0.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	114191	23.722	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	114191	64.908	ug/l #	8

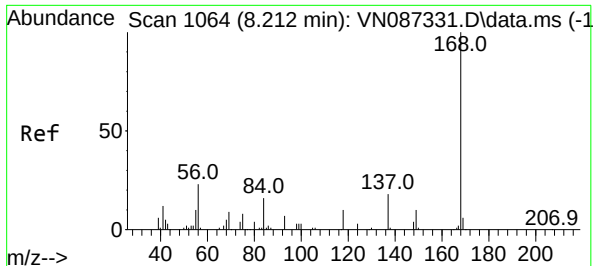
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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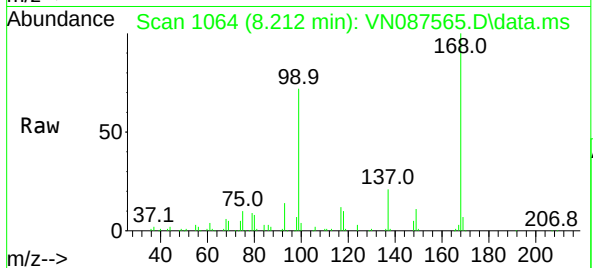
Quant Time: Aug 14 15:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
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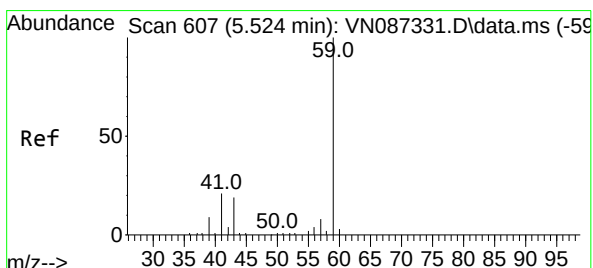
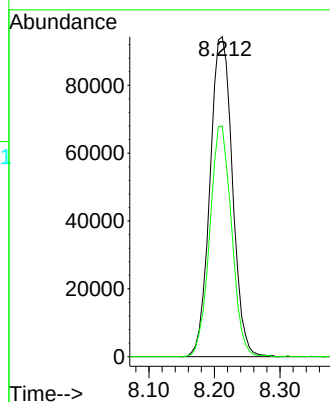
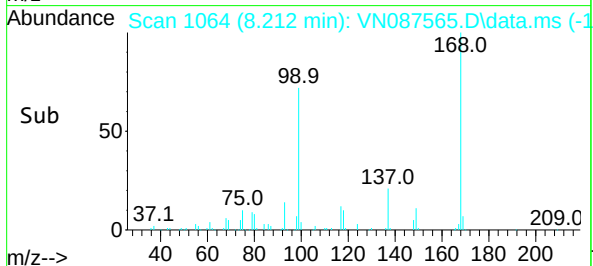


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :

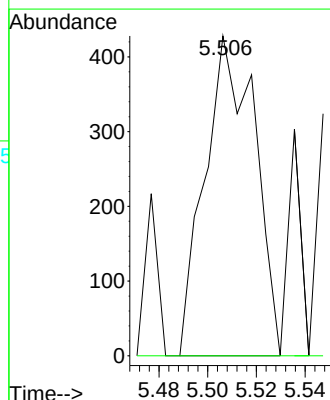
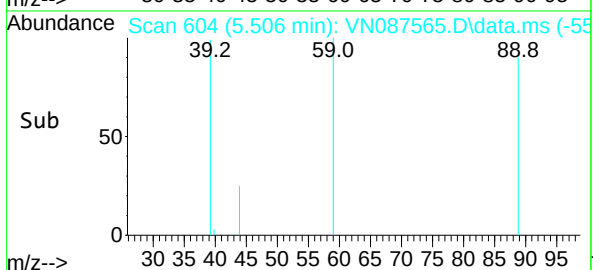
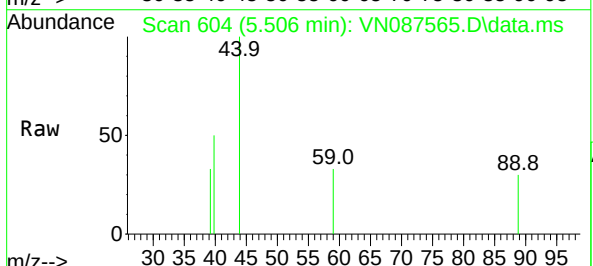


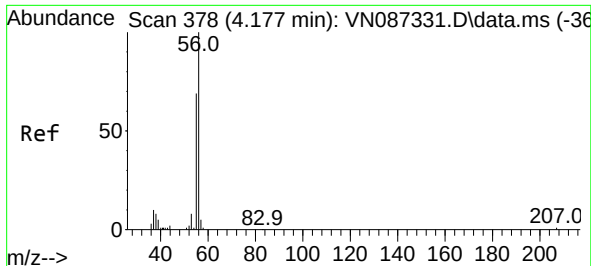
Tgt Ion:168 Resp: 224412
Ion Ratio Lower Upper
168 100
99 72.0 47.9 71.9#



#11
Tert butyl alcohol
Concen: 0.844 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

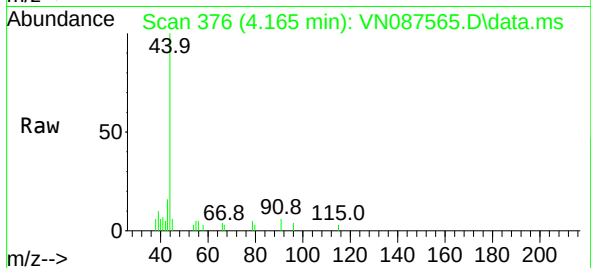
Tgt Ion: 59 Resp: 610
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



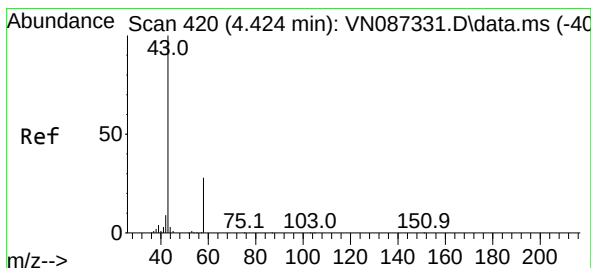
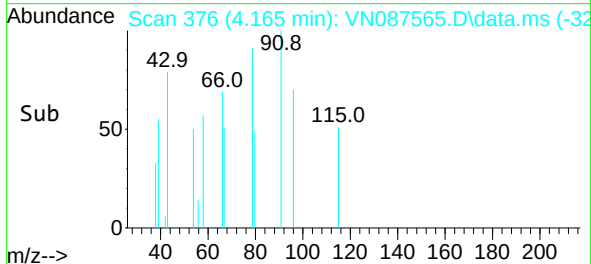
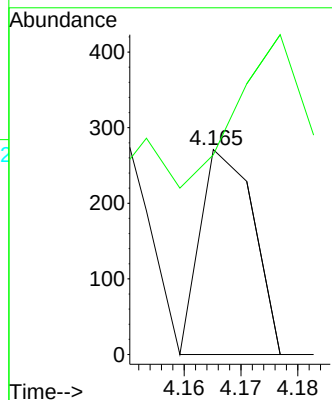


#13
Acrolein
Concen: 0.305 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :

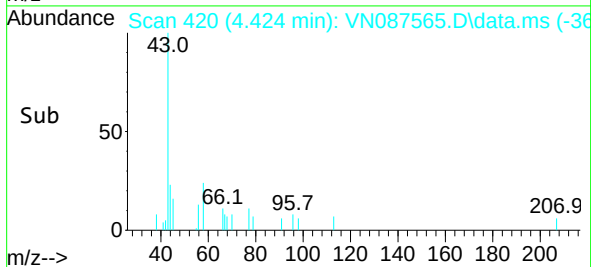
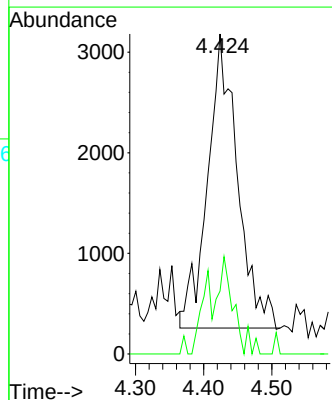
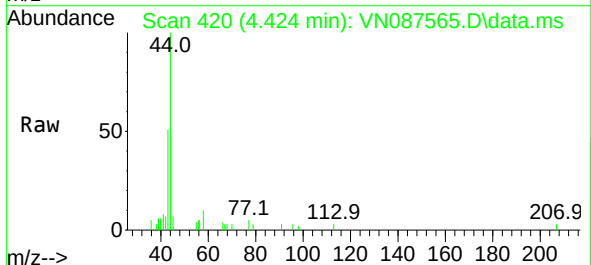


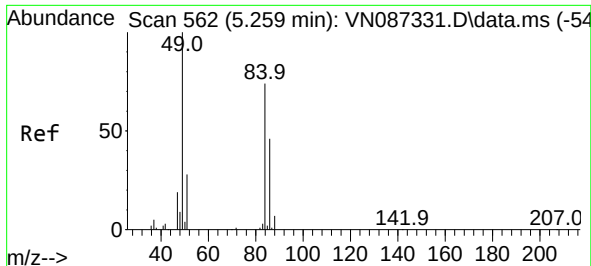
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 232.8 56.2 84.4#



#16
Acetone
Concen: 4.988 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

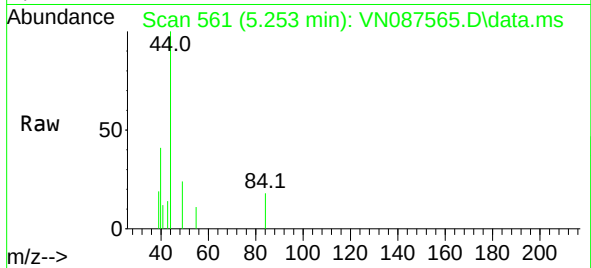
Tgt Ion: 43 Resp: 8905
Ion Ratio Lower Upper
43 100
58 21.4 22.3 33.5#



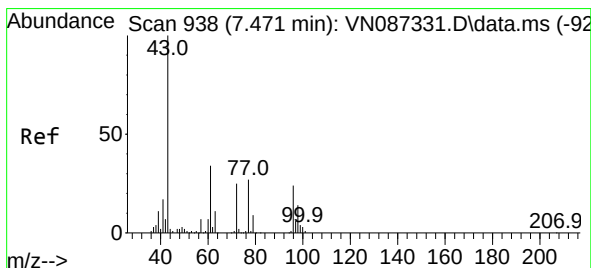
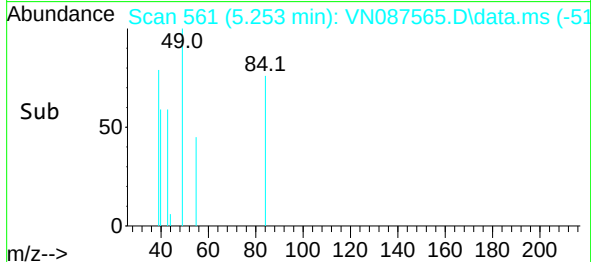
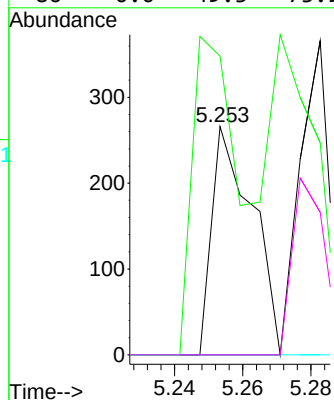


#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :

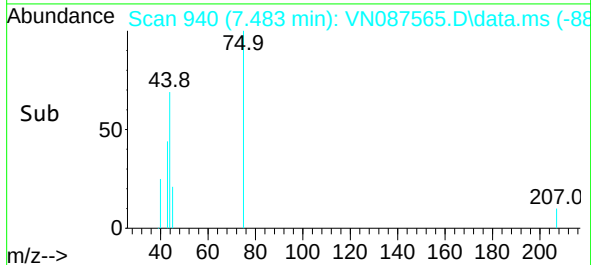
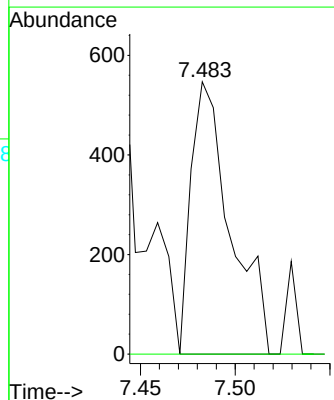
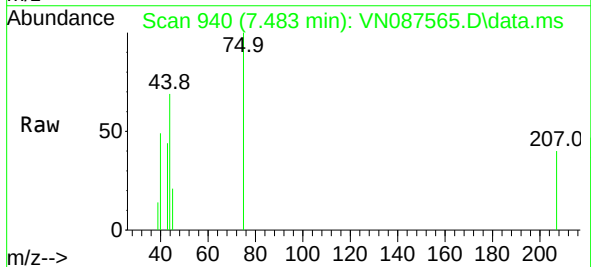


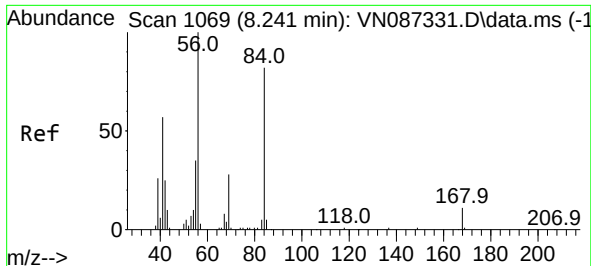
Tgt Ion: 84 Resp: 219
Ion Ratio Lower Upper
84 100
49 130.8 107.5 161.3
51 0.0 30.2 45.2#
86 0.0 49.3 73.9#



#25
2-Butanone
Concen: 0.287 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

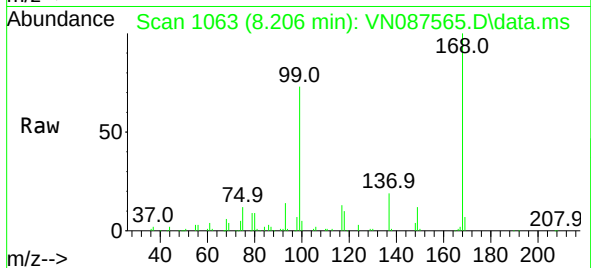
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



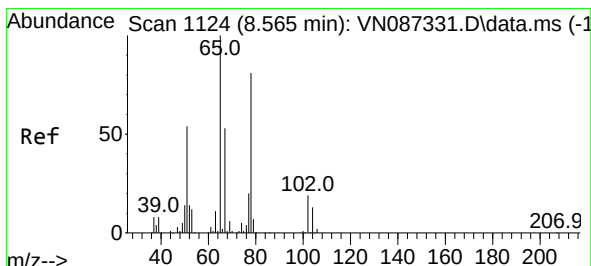
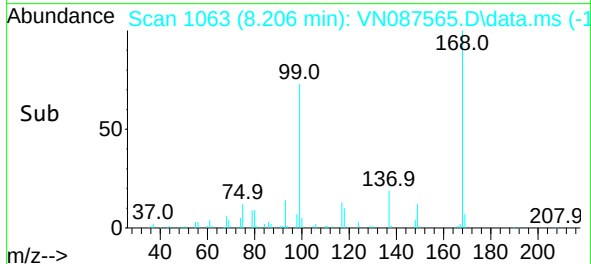
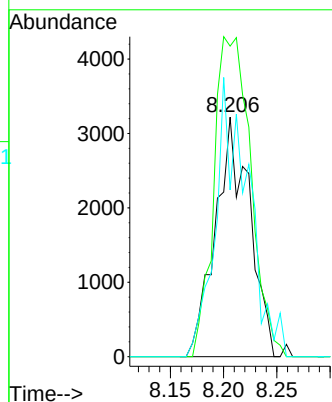


#31
Cyclohexane
Concen: 1.531 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :

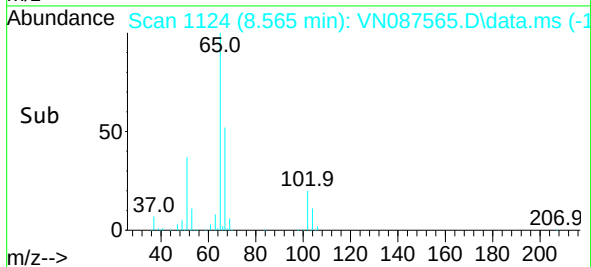
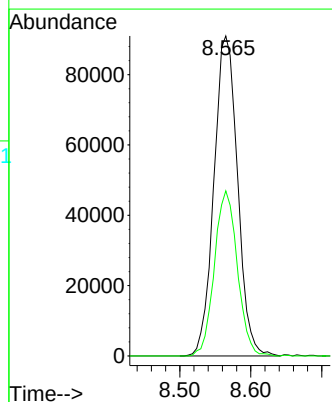
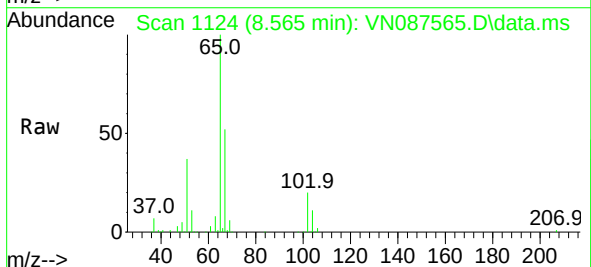


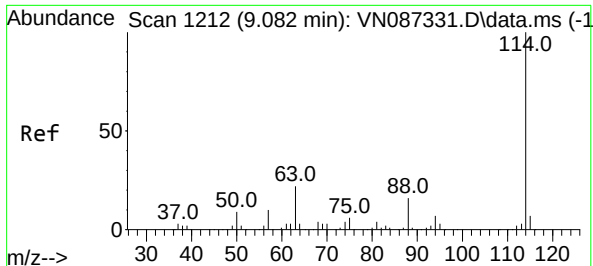
Tgt Ion: 56 Resp: 7165
Ion Ratio Lower Upper
56 100
69 129.7 22.7 34.1#
84 69.6 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 55.117 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 65 Resp: 209873
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087565.D

Acq: 14 Aug 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

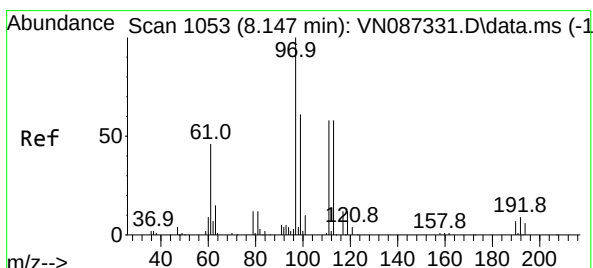
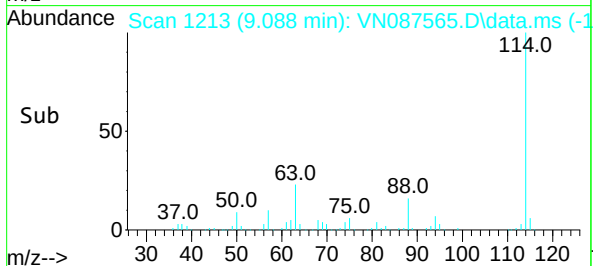
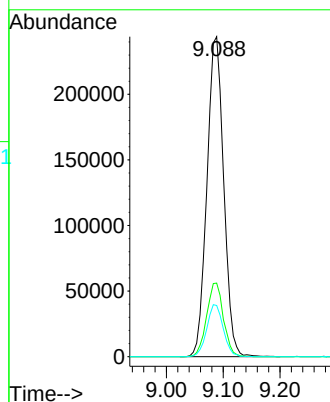
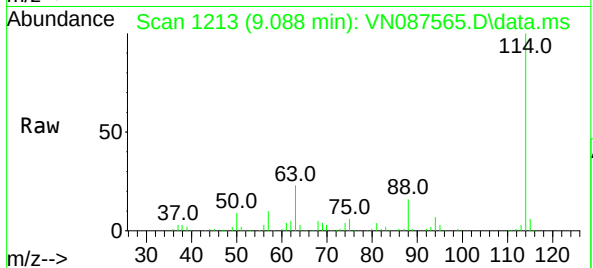
Tgt Ion:114 Resp: 498664

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.865 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087565.D

Acq: 14 Aug 2025 14:58

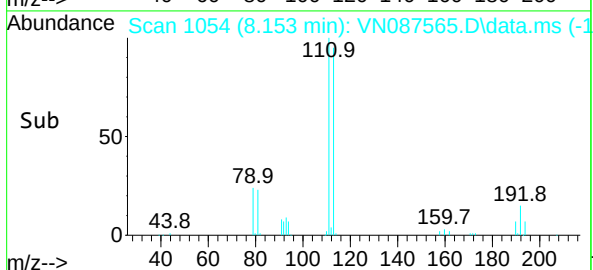
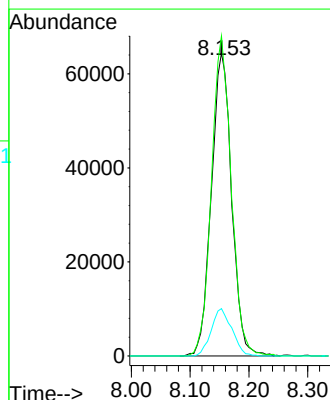
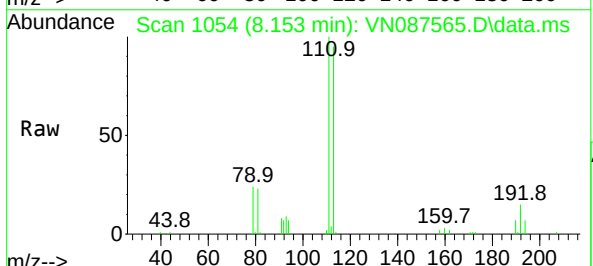
Tgt Ion:113 Resp: 154326

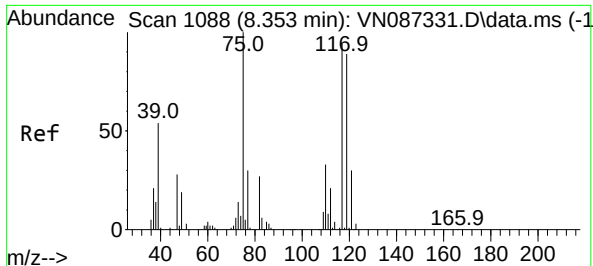
Ion Ratio Lower Upper

113 100

111 103.2 82.5 123.7

192 15.9 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.277 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087565.D

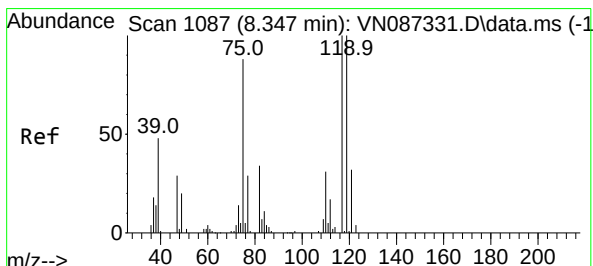
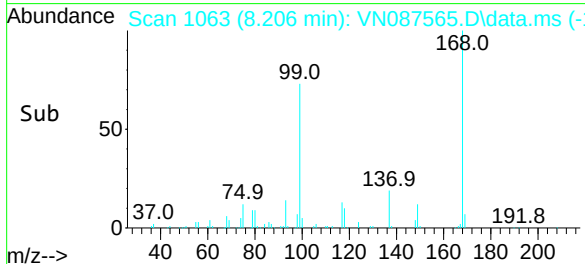
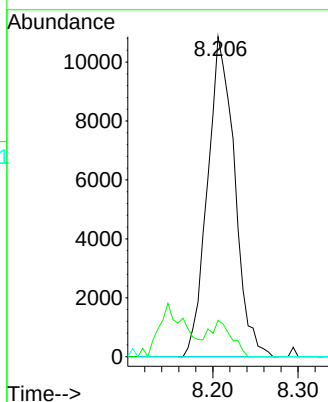
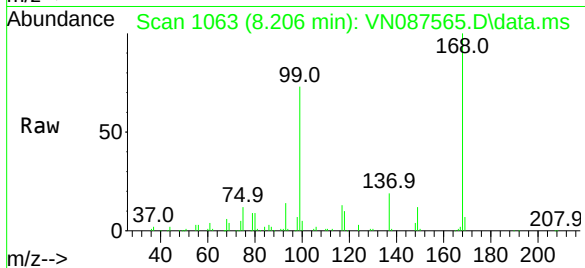
Acq: 14 Aug 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	23982
Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.330 ug/l

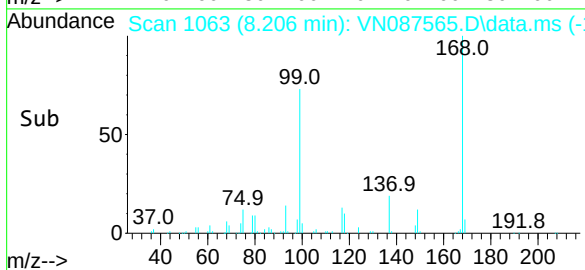
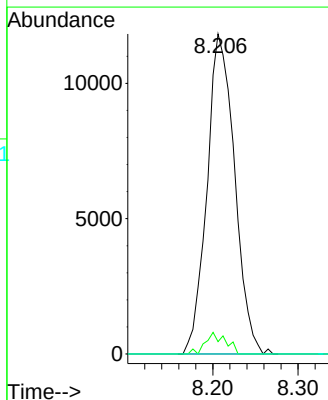
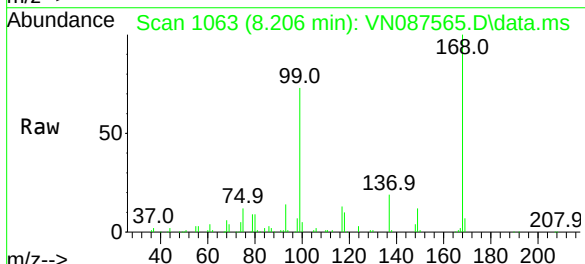
RT: 8.206 min Scan# 1063

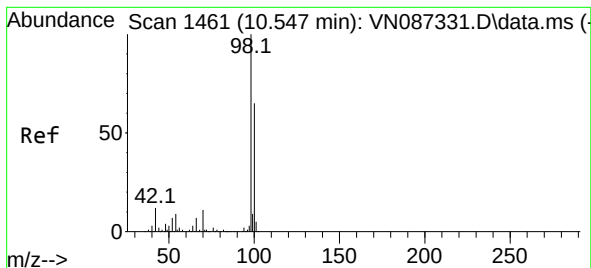
Delta R.T. -0.141 min

Lab File: VN087565.D

Acq: 14 Aug 2025 14:58

Tgt Ion:	117	Resp:	26681
Ion	Ratio	Lower	Upper
117	100		
119	3.9	80.2	120.2#
121	0.0	25.4	38.2#

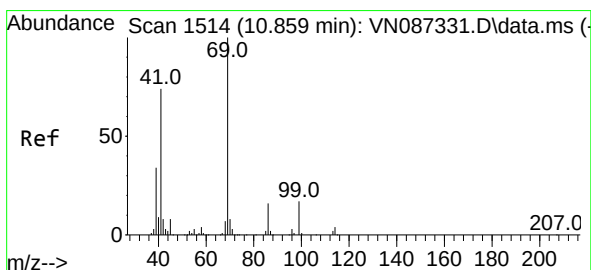
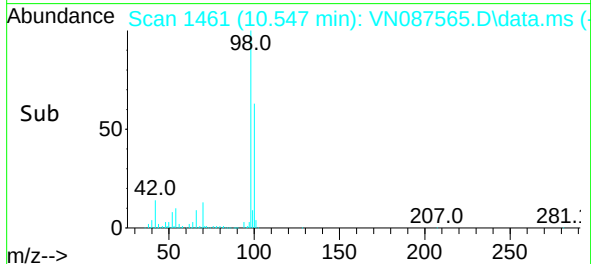
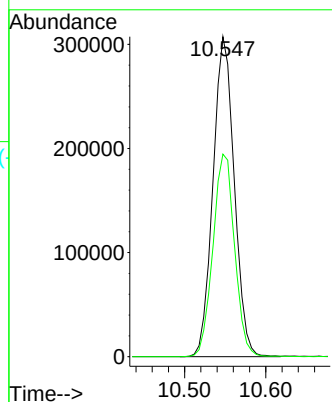
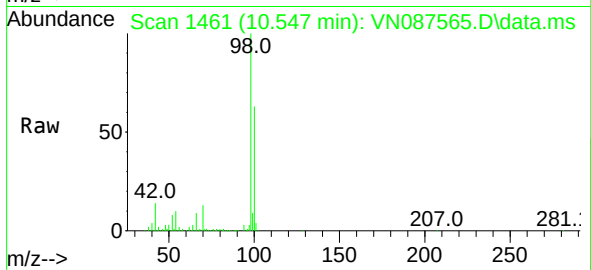




#50
Toluene-d8
Concen: 45.589 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

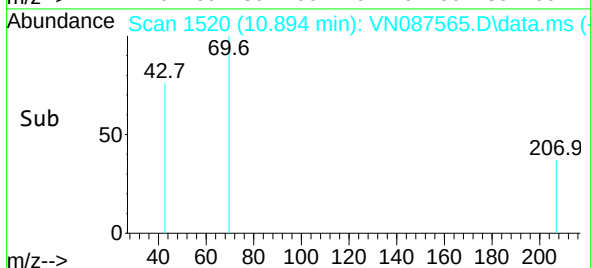
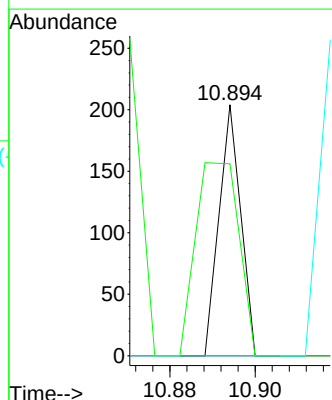
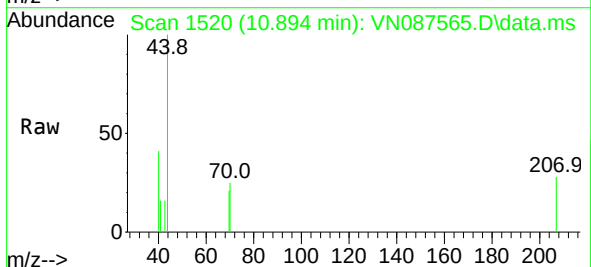
Instrument :
MSVOA_N
ClientSampleId :

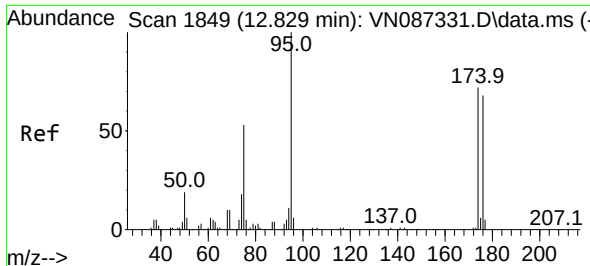
Tgt Ion: 98 Resp: 559384
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#56
Ethyl methacrylate
Concen: 0.647 ug/l
RT: 10.894 min Scan# 1520
Delta R.T. 0.035 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 152.8 55.1 82.7#
39 0.0 27.9 41.9#

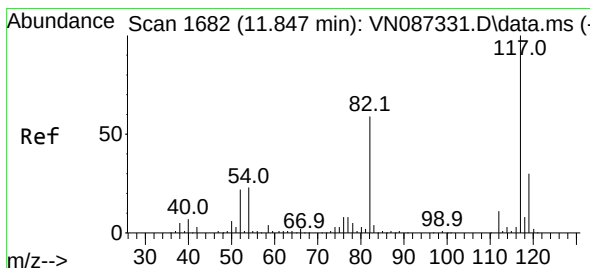
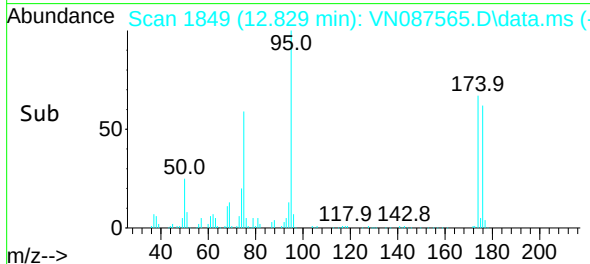
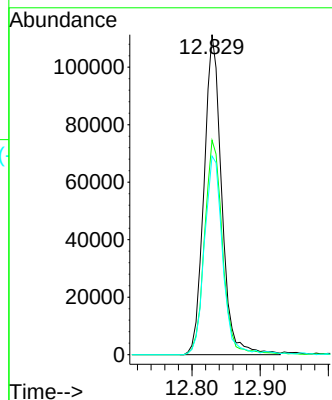
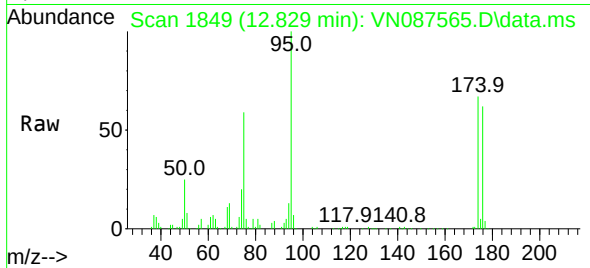




#62
4-Bromofluorobenzene
Concen: 44.173 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

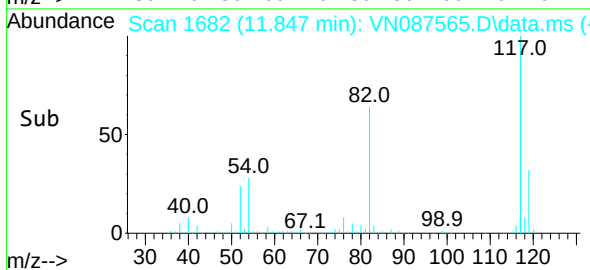
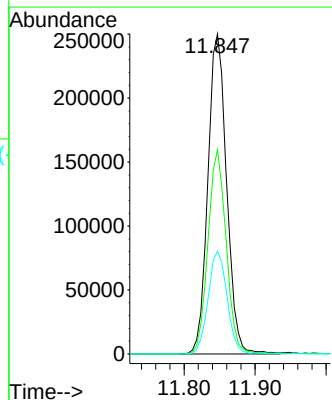
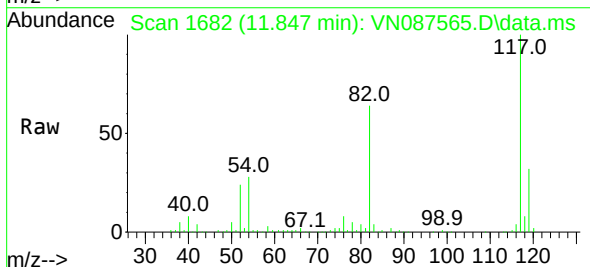
Instrument :
MSVOA_N
ClientSampleId :

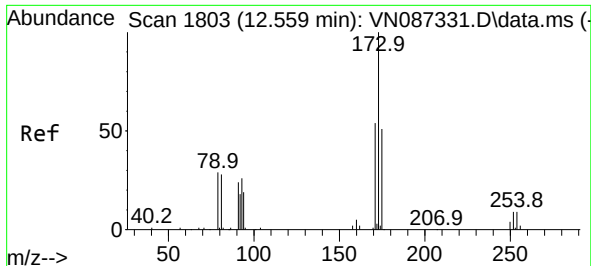
Tgt Ion: 95 Resp: 200248
Ion Ratio Lower Upper
95 100
174 68.6 0.0 149.4
176 63.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 117 Resp: 458661
Ion Ratio Lower Upper
117 100
82 63.8 47.4 71.2
119 32.1 23.8 35.8

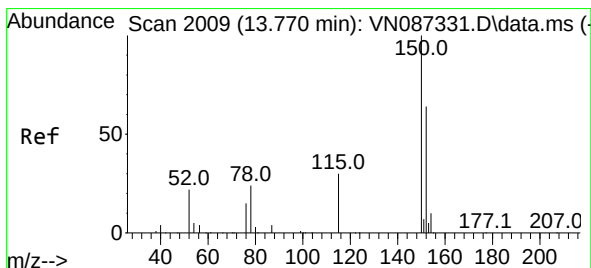
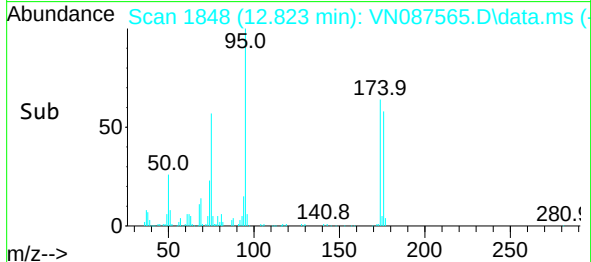
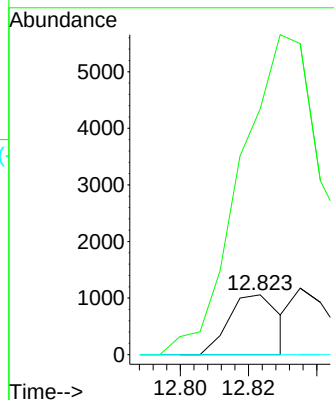
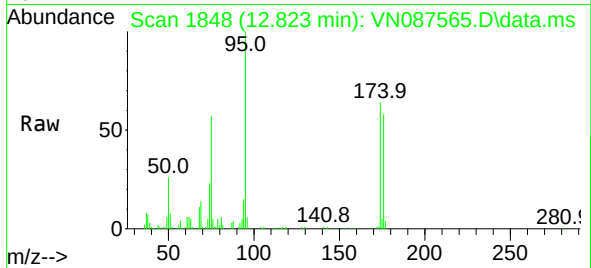




#71
Bromoform
Concen: 0.386 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

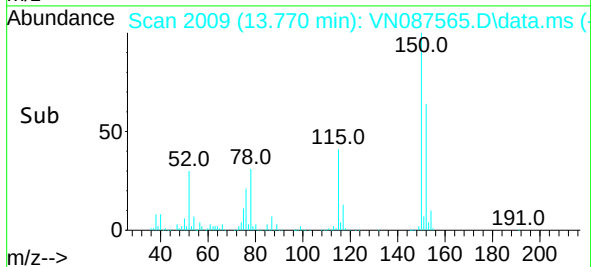
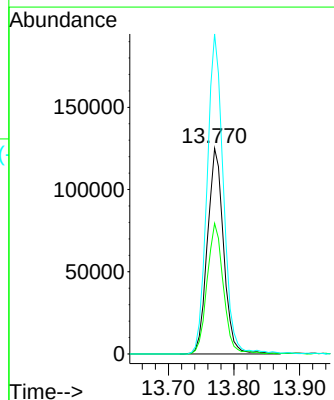
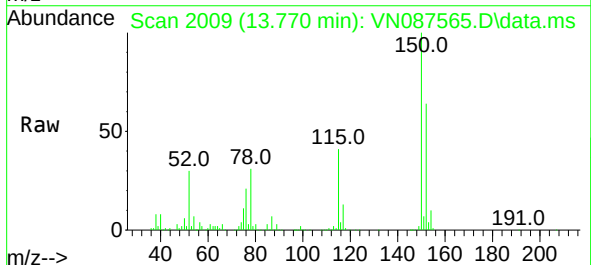
Instrument :
MSVOA_N
ClientSampleId :

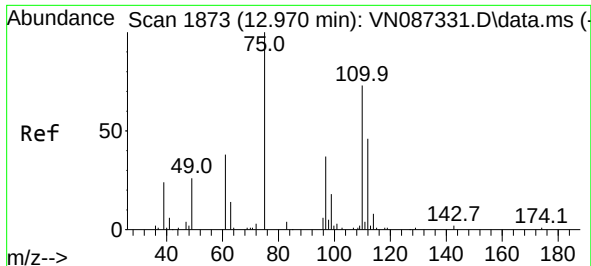
Tgt Ion:173 Resp: 1091
Ion Ratio Lower Upper
173 100
175 685.9 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion:152 Resp: 214662
Ion Ratio Lower Upper
152 100
115 64.0 31.1 93.5
150 156.9 0.0 349.0

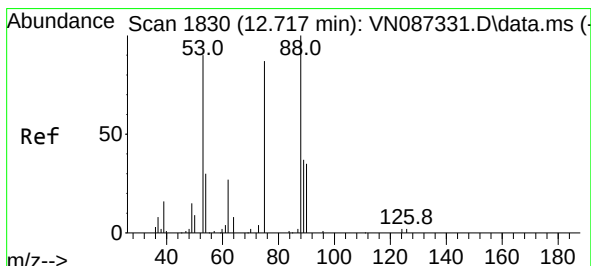
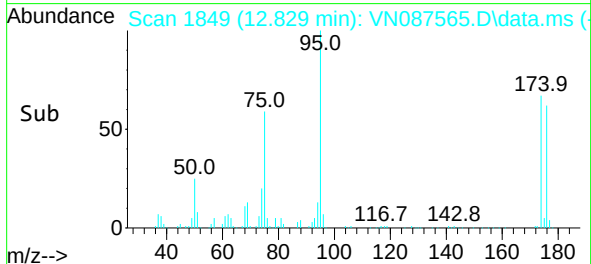
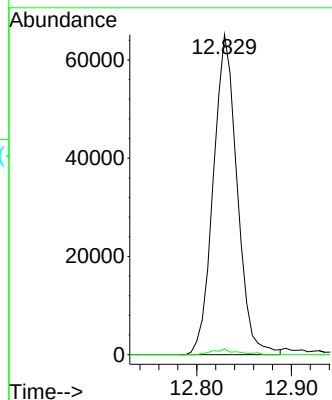
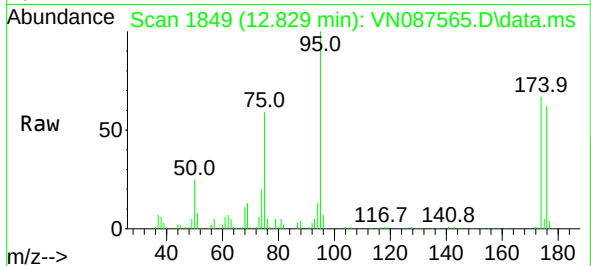




#76
1,2,3-Trichloropropane
Concen: 23.722 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 114191
Ion Ratio Lower Upper
75 100
77 1.8 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.908 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 75 Resp: 114191
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.1 38.4 57.6#

