

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087559.D
 Acq On : 14 Aug 2025 12:46
 Operator : JC\MD
 Sample : Q2836-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 15:24:32 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)

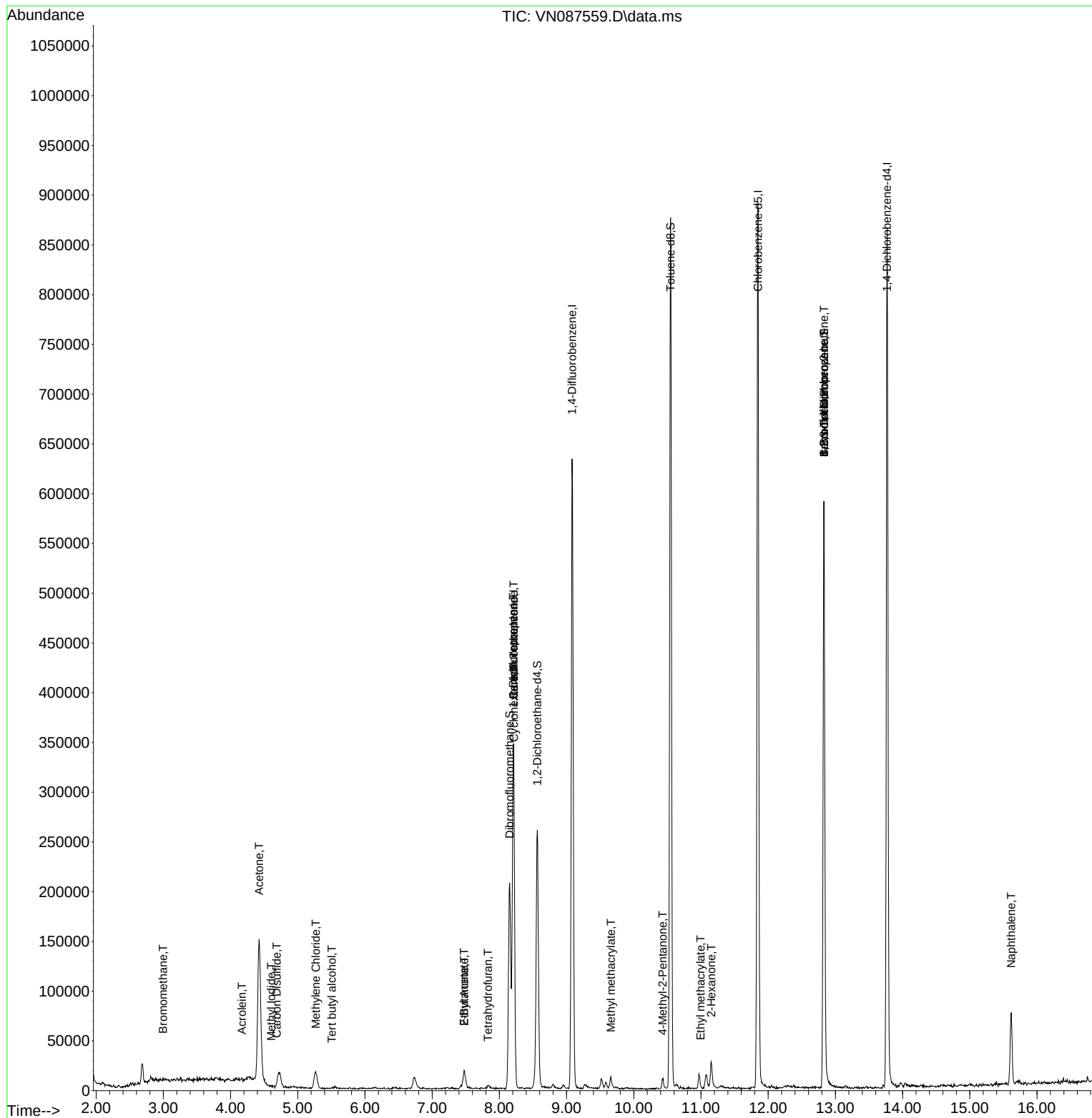
Internal Standards						
1) Pentafluorobenzene	8.212	168	226661	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.082	114	511347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	472747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	218306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	218331	56.769	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.540%
35) Dibromofluoromethane	8.153	113	148290	42.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.080%
50) Toluene-d8	10.547	98	578308	45.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.920%
62) 4-Bromofluorobenzene	12.829	95	205019	44.104	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.200%
Target Compounds						
					Qvalue	
5) Bromomethane	2.995	94	1050	0.674	ug/l	# 54
10) Methyl Iodide	4.606	142	98	5.668	ug/l	# 40
11) Tert butyl alcohol	5.506	59	466	0.638	ug/l	# 72
13) Acrolein	4.171	56	950	1.621	ug/l	# 61
16) Acetone	4.424	43	283576	157.258	ug/l	98
17) Carbon Disulfide	4.689	76	2558	0.333	ug/l	# 81
20) Methylene Chloride	5.271	84	11888	3.302	ug/l	# 84
25) 2-Butanone	7.477	43	28655	10.285	ug/l	99
29) Tetrahydrofuran	7.830	42	2393	1.322	ug/l	# 61
31) Cyclohexane	8.218	56	8170	1.728	ug/l	# 20
36) 1,1-Dichloropropene	8.206	75	23828	5.113	ug/l	# 51
37) Ethyl Acetate	7.477	43	28655	4.258	ug/l	# 70
38) Carbon Tetrachloride	8.212	117	29358	5.719	ug/l	# 14
48) Methyl methacrylate	9.659	41	2662	0.566	ug/l	# 48
51) 4-Methyl-2-Pentanone	10.429	43	7852	1.188	ug/l	99
56) Ethyl methacrylate	10.994	69	131	0.656	ug/l	# 24
59) 2-Hexanone	11.153	43	25376	5.788	ug/l	# 25
71) Bromoform	12.829	173	1266	0.434	ug/l	# 1
76) 1,2,3-Trichloropropane	12.829	75	121101	24.738	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.829	75	121101	67.687	ug/l	# 8
95) Naphthalene	15.617	128	66277	4.807	ug/l	100

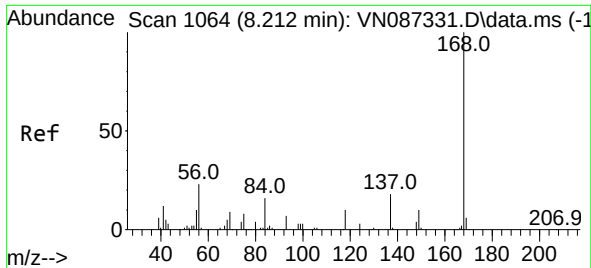
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087559.D
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Sample : Q2836-01RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

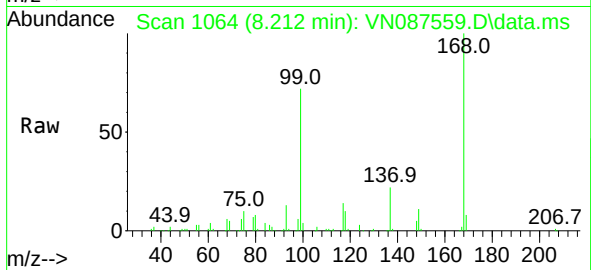
Quant Time: Aug 14 15:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



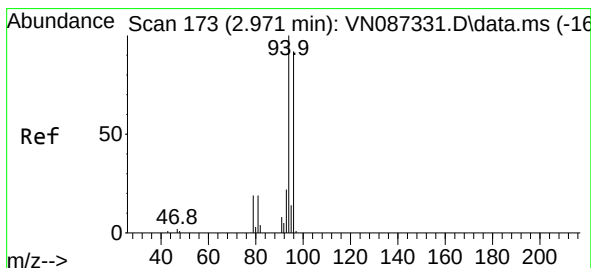
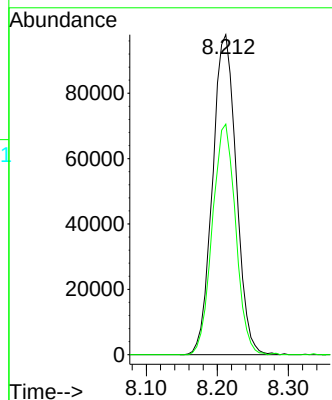
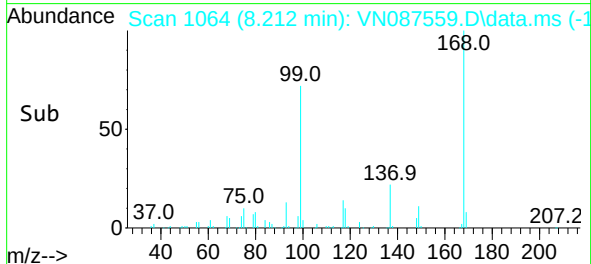


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

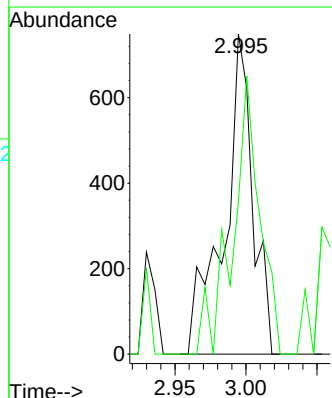
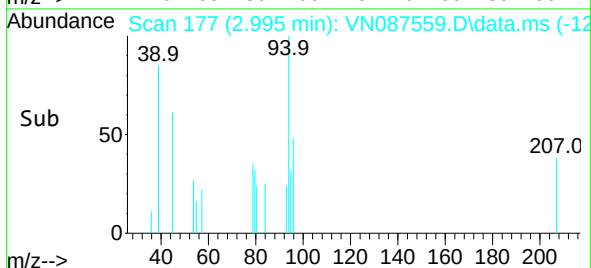
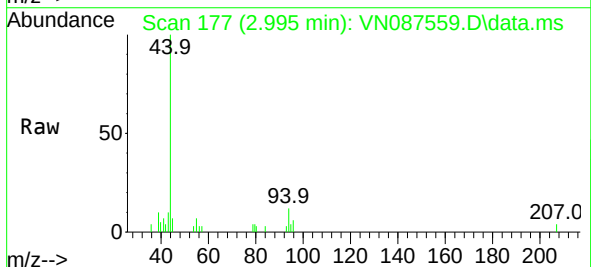


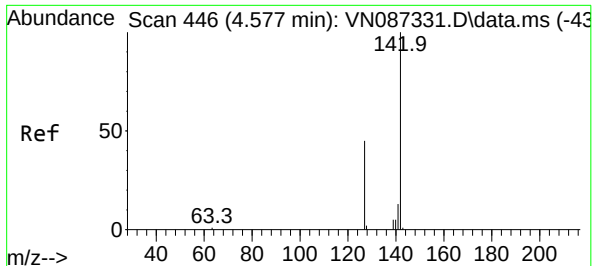
Tgt Ion:168 Resp: 226661
Ion Ratio Lower Upper
168 100
99 72.0 47.9 71.9#



#5
Bromomethane
Concen: 0.674 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.024 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

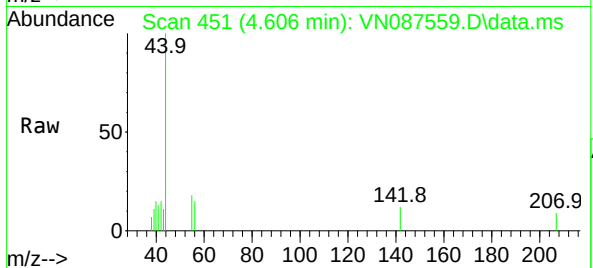
Tgt Ion: 94 Resp: 1050
Ion Ratio Lower Upper
94 100
96 47.5 73.4 110.2#



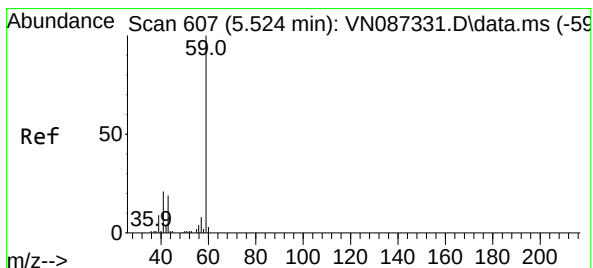
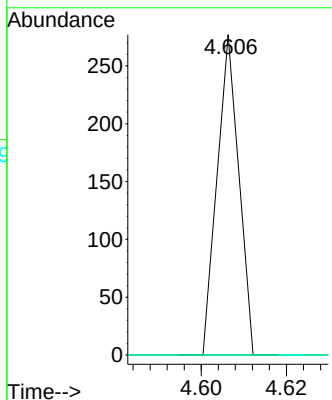
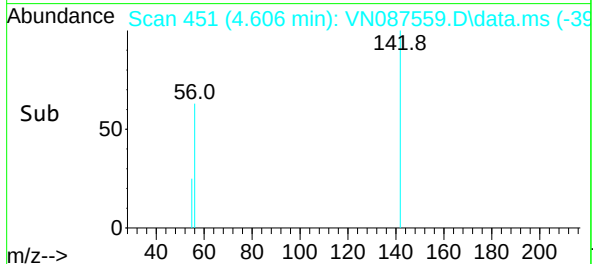


#10
Methyl Iodide
Concen: 5.668 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

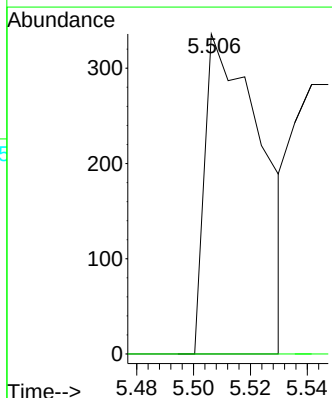
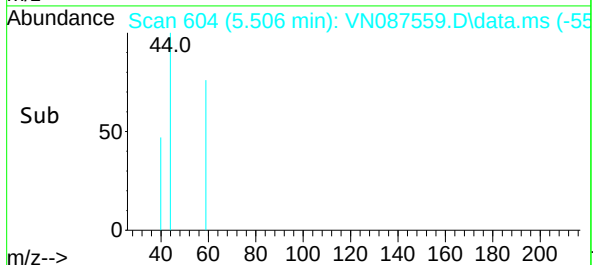
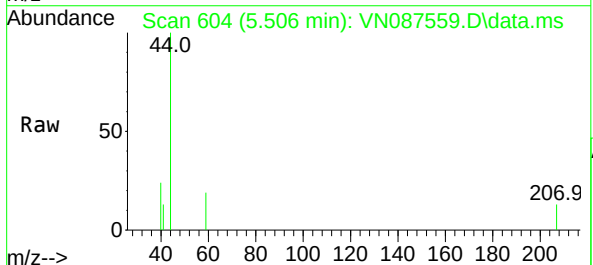


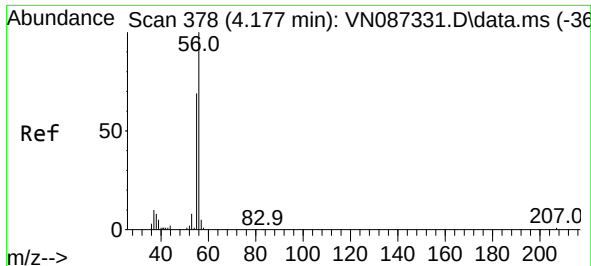
Tgt Ion:142 Resp: 98
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



#11
Tert butyl alcohol
Concen: 0.638 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

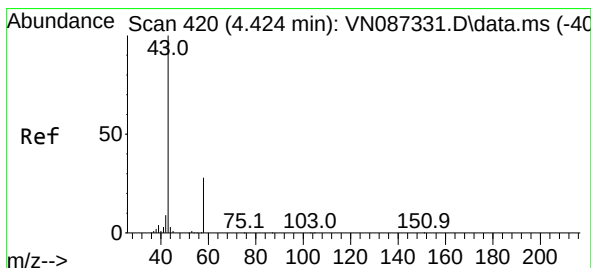
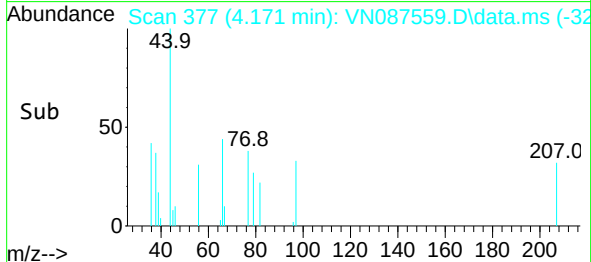
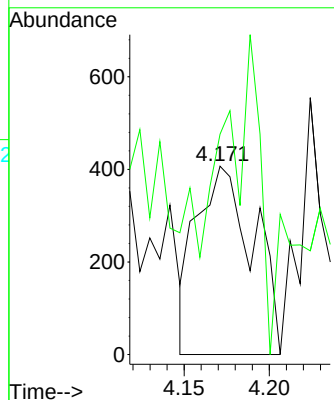
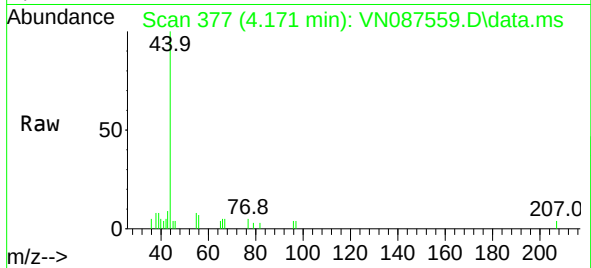




#13
Acrolein
Concen: 1.621 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

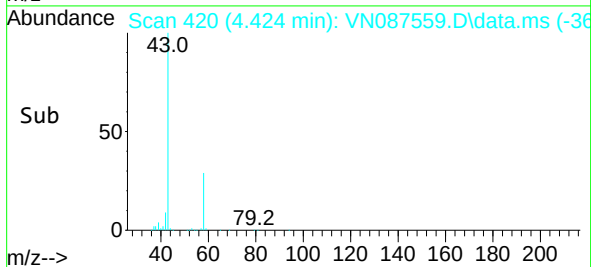
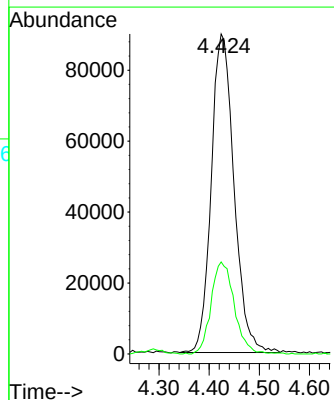
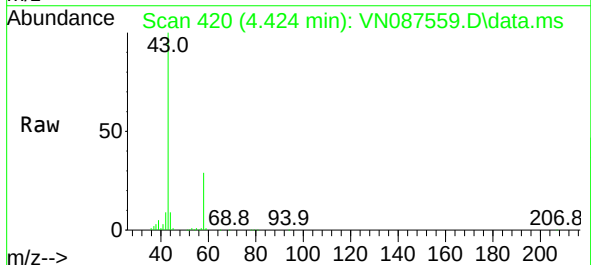
Instrument :
MSVOA_N
ClientSampleId :

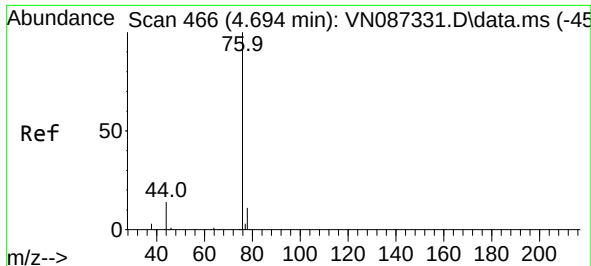
Tgt Ion: 56 Resp: 950
Ion Ratio Lower Upper
56 100
55 38.4 56.2 84.4#



#16
Acetone
Concen: 157.258 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

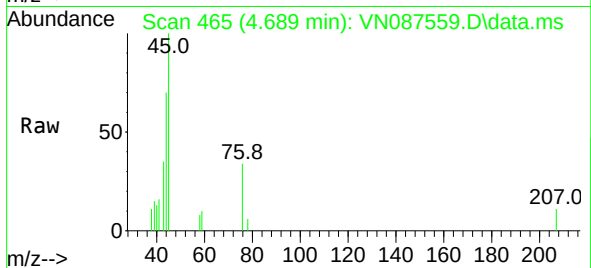
Tgt Ion: 43 Resp: 283576
Ion Ratio Lower Upper
43 100
58 28.9 22.3 33.5



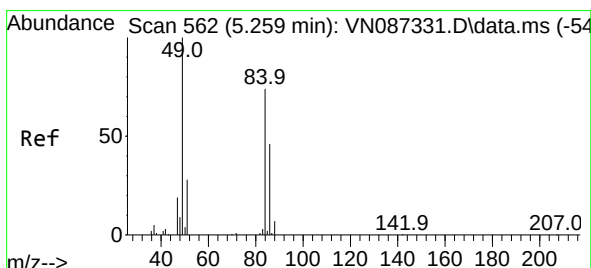
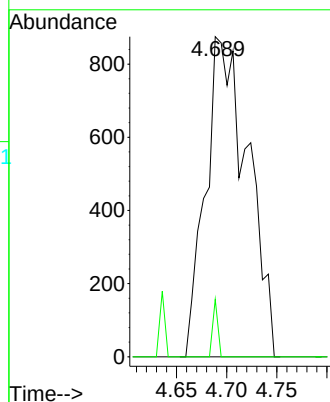
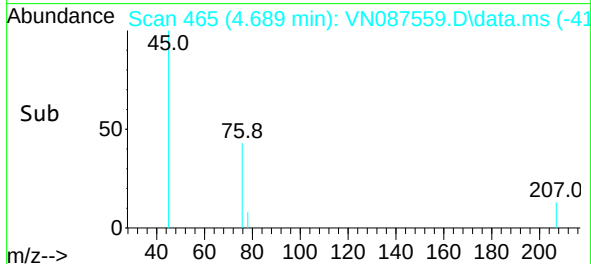


#17
Carbon Disulfide
Concen: 0.333 ug/l
RT: 4.689 min Scan# 41
Delta R.T. -0.005 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

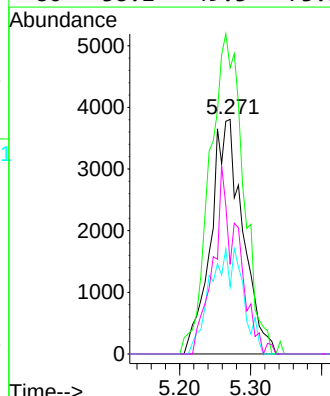
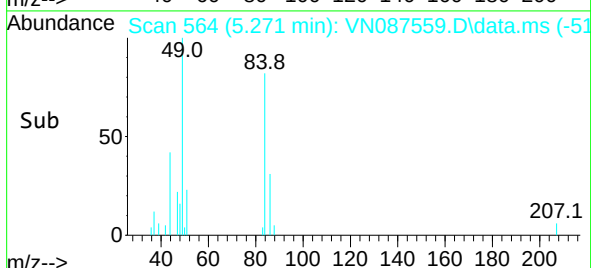
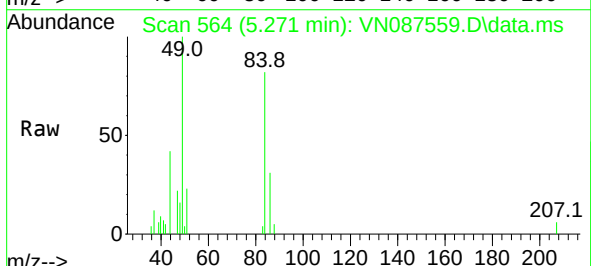


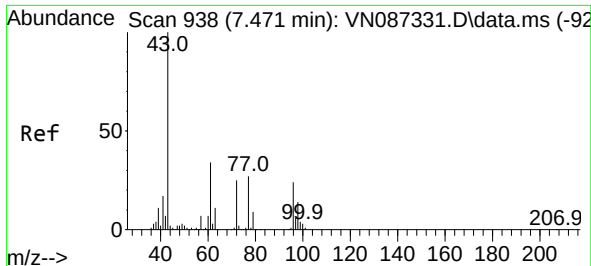
Tgt Ion: 76 Resp: 2558
Ion Ratio Lower Upper
76 100
78 17.9 8.6 13.0#



#20
Methylene Chloride
Concen: 3.302 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.012 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

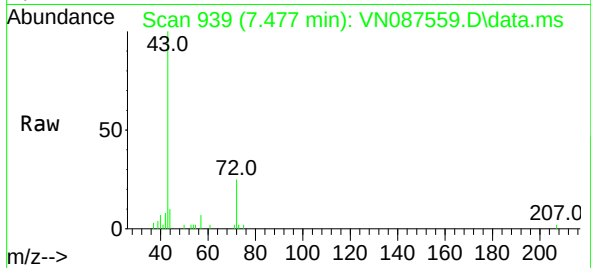
Tgt Ion: 84 Resp: 11888
Ion Ratio Lower Upper
84 100
49 122.0 107.5 161.3
51 28.7 30.2 45.2#
86 38.2 49.3 73.9#



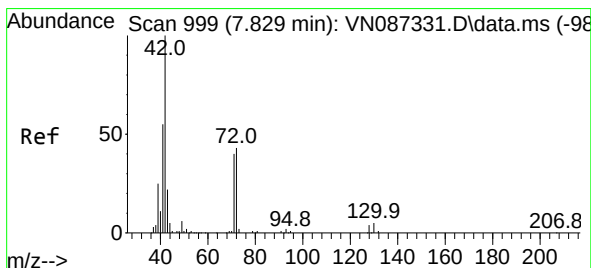
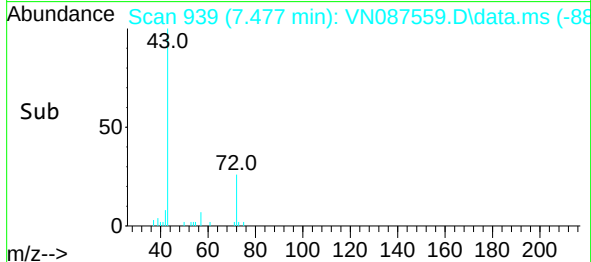
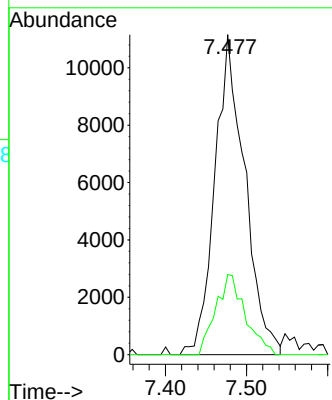


#25
2-Butanone
Concen: 10.285 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

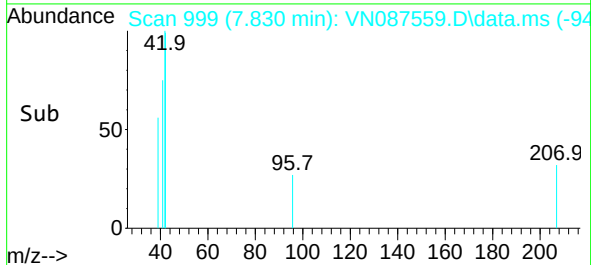
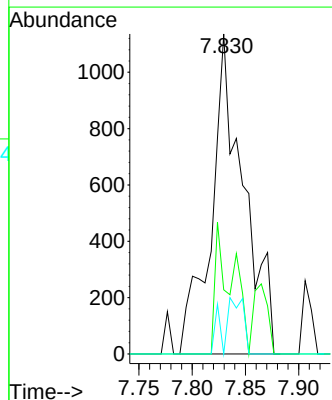
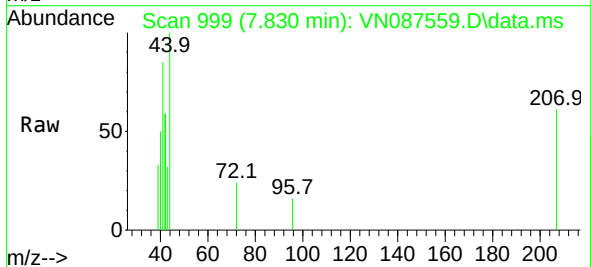


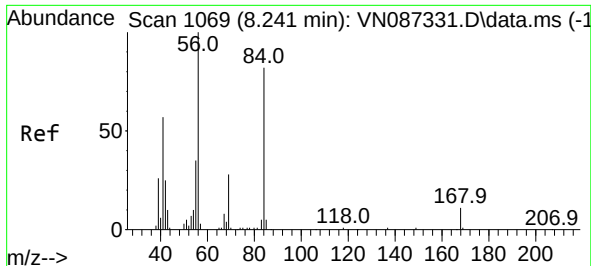
Tgt Ion: 43 Resp: 28655
Ion Ratio Lower Upper
43 100
72 25.0 19.6 29.4



#29
Tetrahydrofuran
Concen: 1.322 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

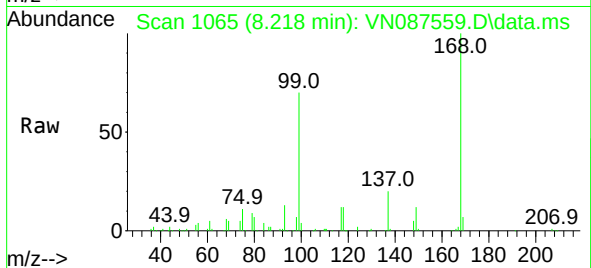
Tgt Ion: 42 Resp: 2393
Ion Ratio Lower Upper
42 100
72 21.8 33.4 50.0#
71 10.9 31.2 46.8#



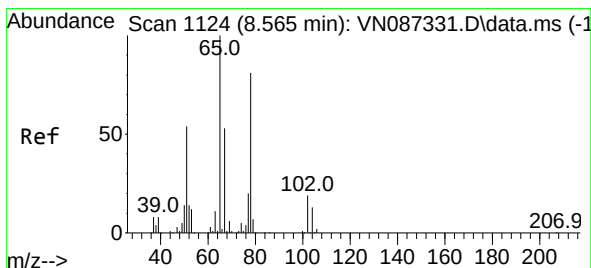
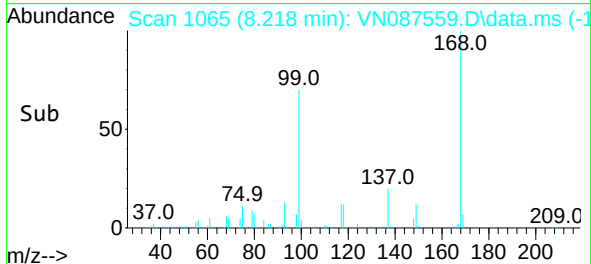
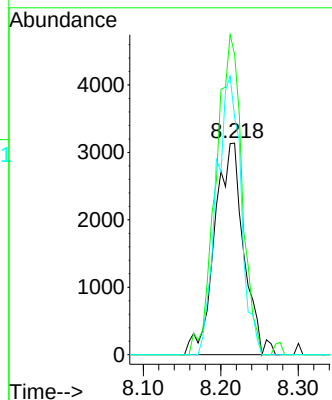


#31
Cyclohexane
Concen: 1.728 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.023 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

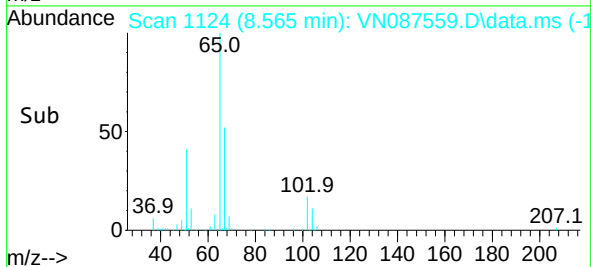
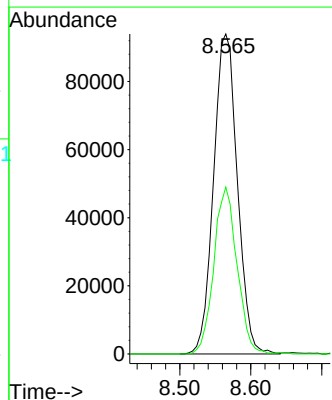
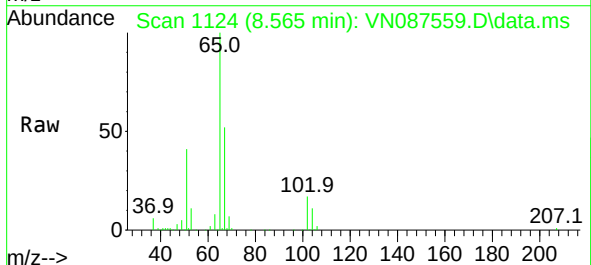


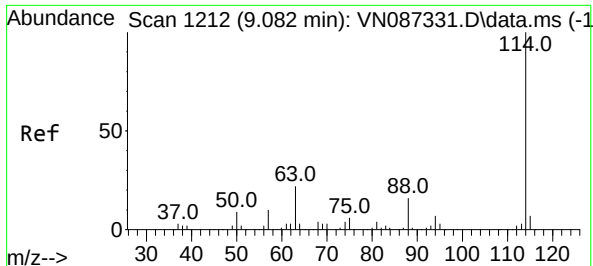
Tgt Ion: 56 Resp: 8170
Ion Ratio Lower Upper
56 100
69 141.9 22.7 34.1#
84 112.2 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 56.769 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 65 Resp: 218331
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

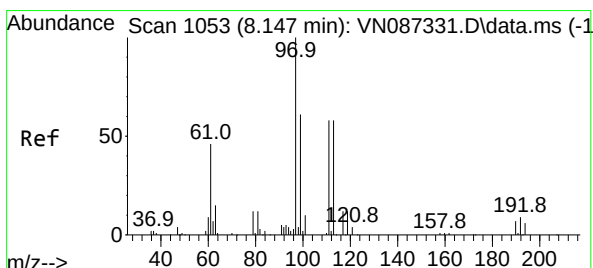
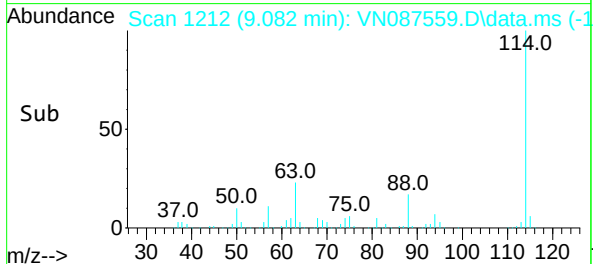
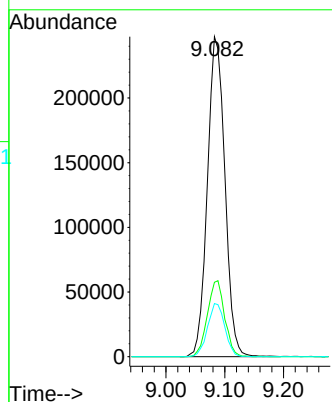
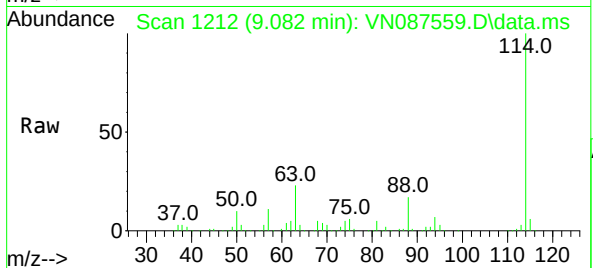
Tgt Ion:114 Resp: 511347

Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.6

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 42.041 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

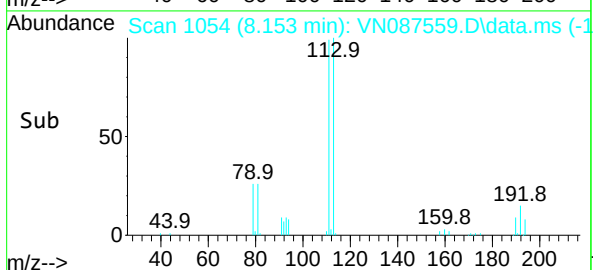
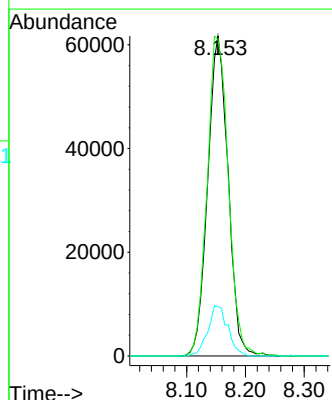
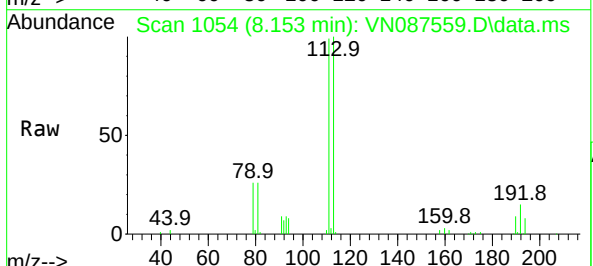
Tgt Ion:113 Resp: 148290

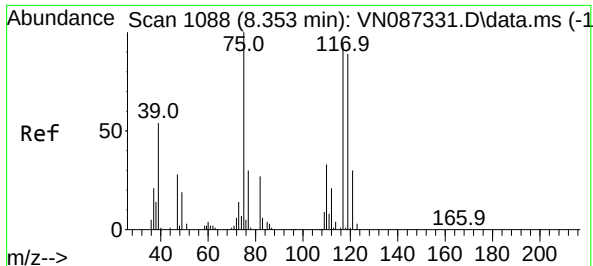
Ion Ratio Lower Upper

113 100

111 104.8 82.5 123.7

192 15.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.113 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087559.D

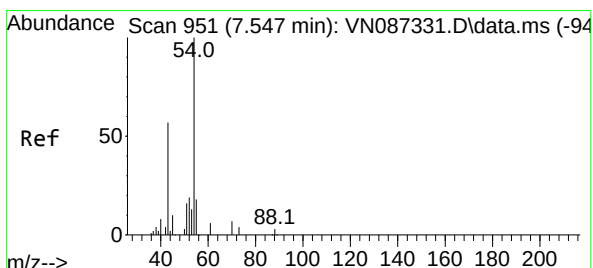
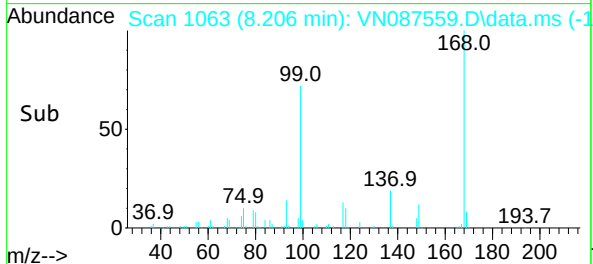
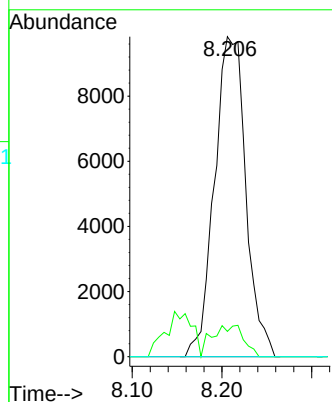
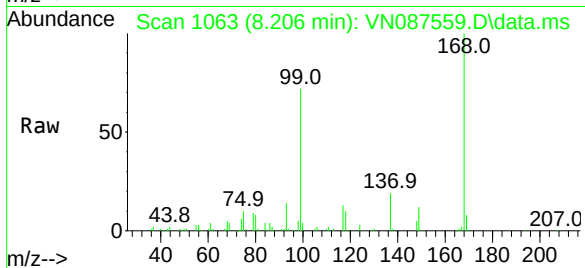
Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	23828
Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 4.258 ug/l

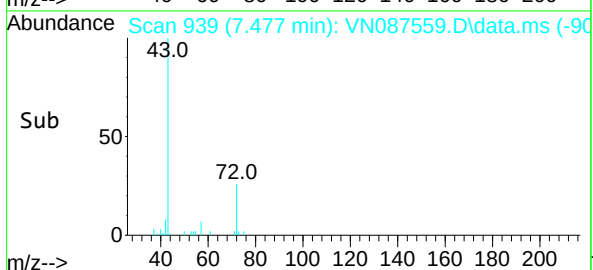
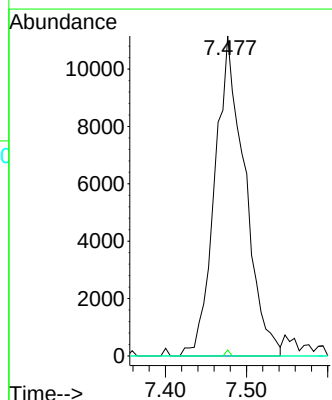
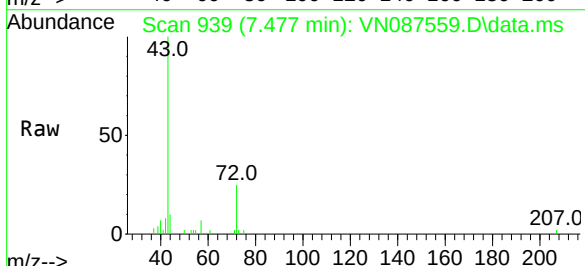
RT: 7.477 min Scan# 939

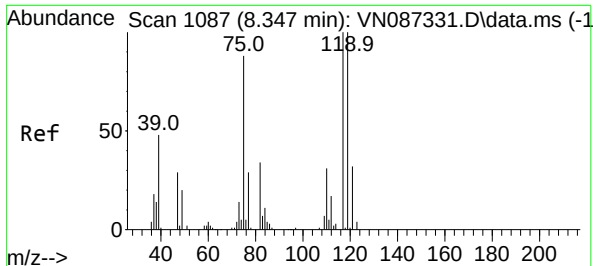
Delta R.T. -0.070 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

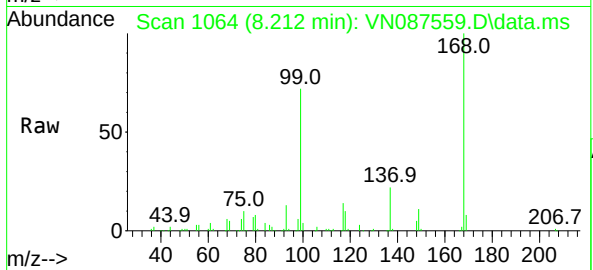
Tgt Ion:	43	Resp:	28655
Ion	Ratio	Lower	Upper
43	100		
61	0.3	10.9	16.3#
70	0.0	7.4	11.0#



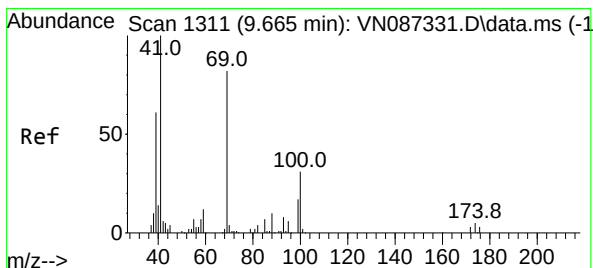
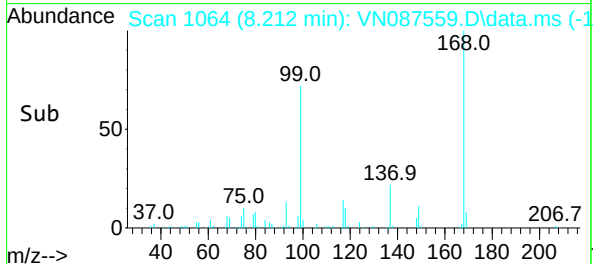
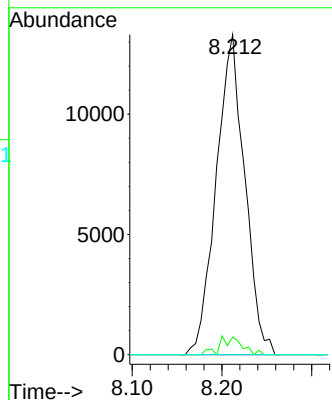


#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

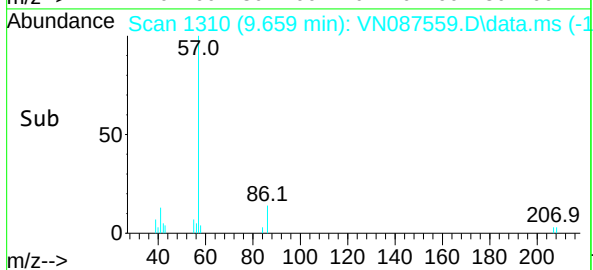
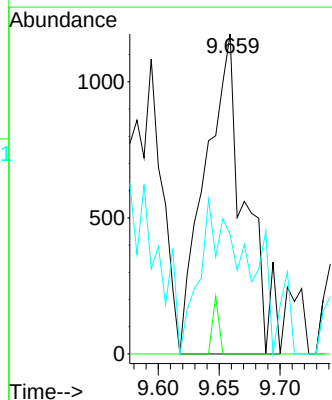
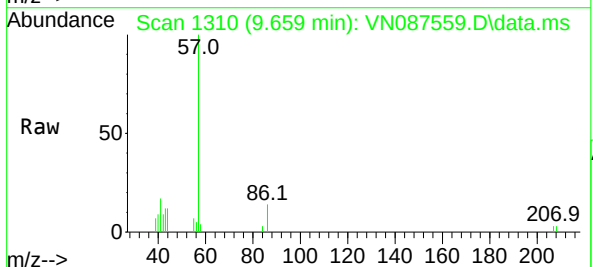


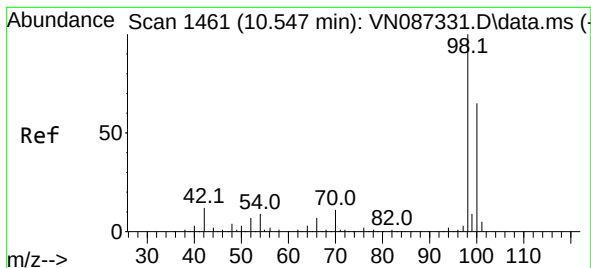
Tgt Ion:117 Resp: 29358
Ion Ratio Lower Upper
117 100
119 5.5 80.2 120.2#
121 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 0.566 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 41 Resp: 2662
Ion Ratio Lower Upper
41 100
69 2.8 64.1 96.1#
39 59.1 45.5 68.3

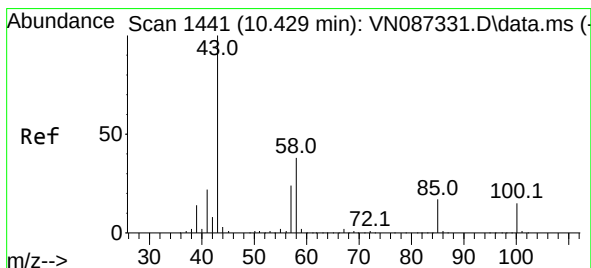
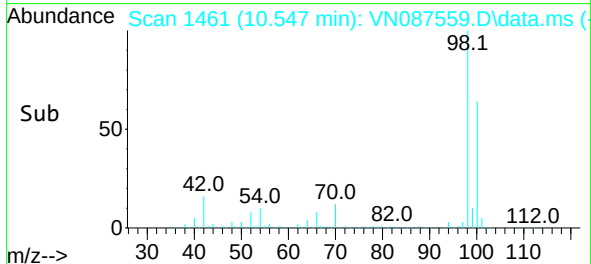
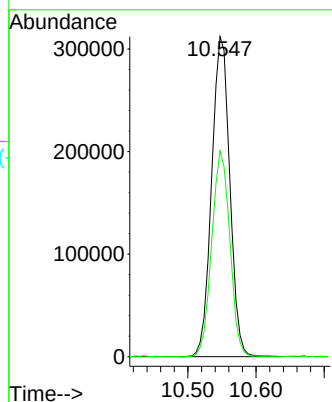
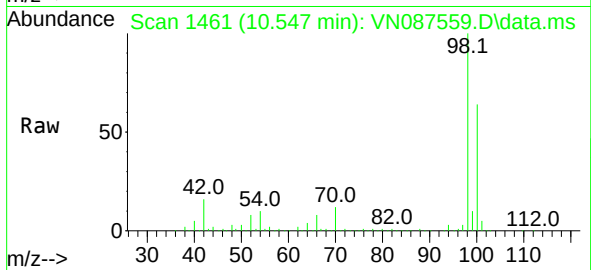




#50
Toluene-d8
Concen: 45.962 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

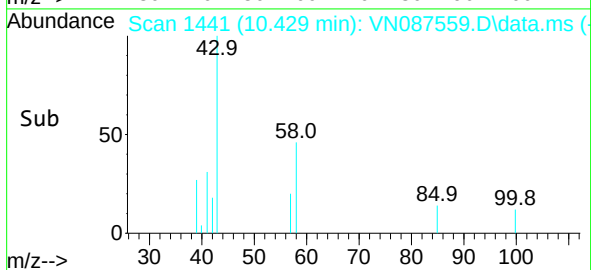
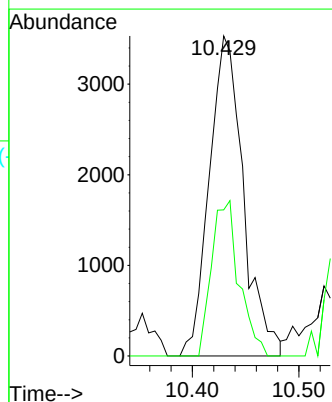
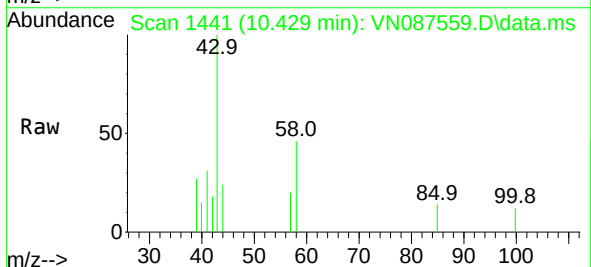
Instrument :
MSVOA_N
ClientSampleId :

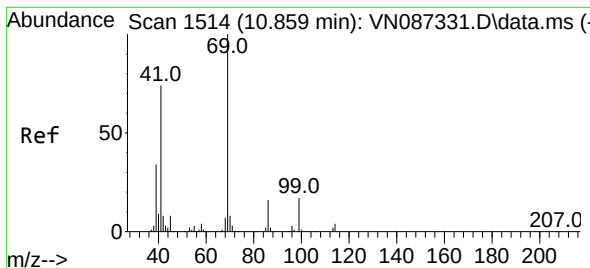
Tgt Ion: 98 Resp: 578308
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 43 Resp: 7852
Ion Ratio Lower Upper
43 100
58 39.2 30.8 46.2





#56

Ethyl methacrylate

Concen: 0.656 ug/l

RT: 10.994 min Scan# 1537

Delta R.T. 0.135 min

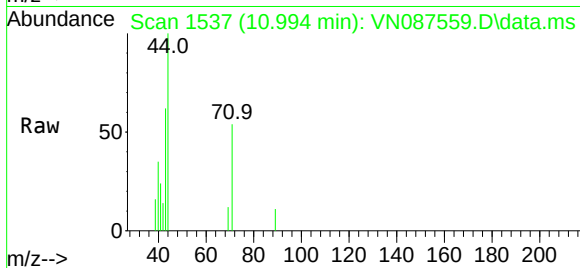
Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

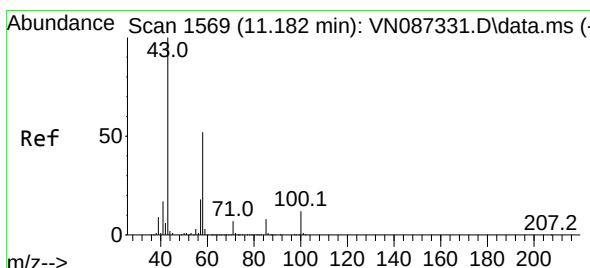
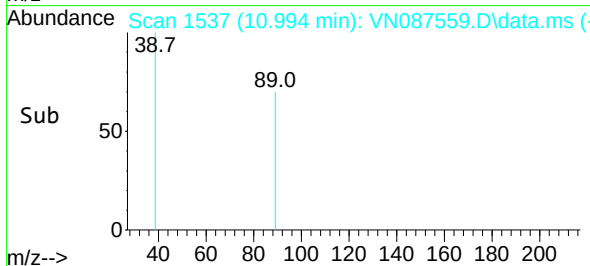
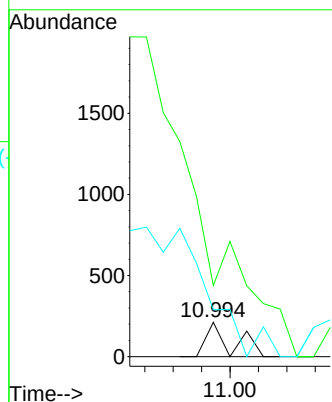
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 69	Resp: 131
Ion Ratio	Lower Upper
69	100
41	0.0 55.1 82.7#
39	0.0 27.9 41.9#



#59

2-Hexanone

Concen: 5.788 ug/l

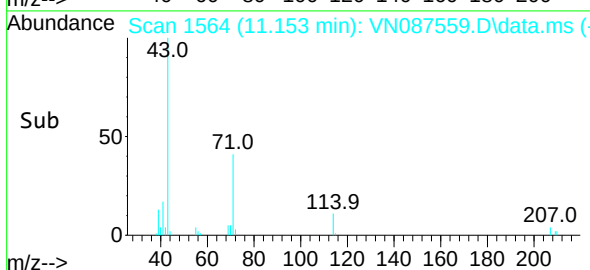
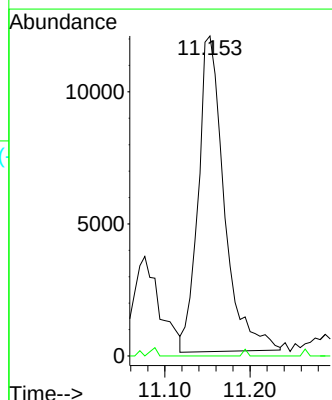
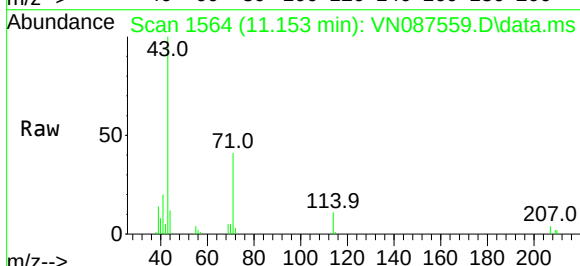
RT: 11.153 min Scan# 1564

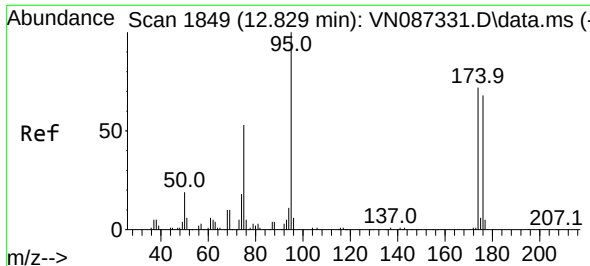
Delta R.T. -0.029 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

Tgt Ion: 43	Resp: 25376
Ion Ratio	Lower Upper
43	100
58	0.0 26.7 80.0#

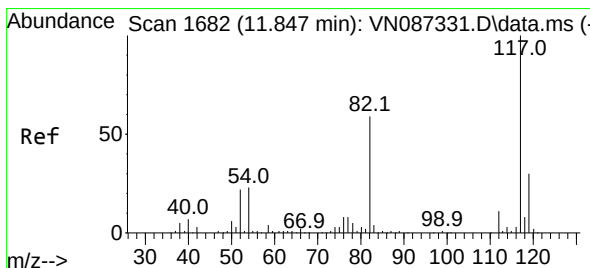
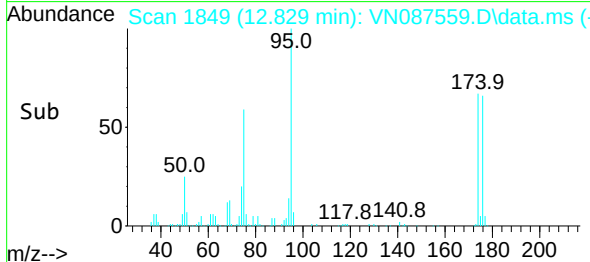
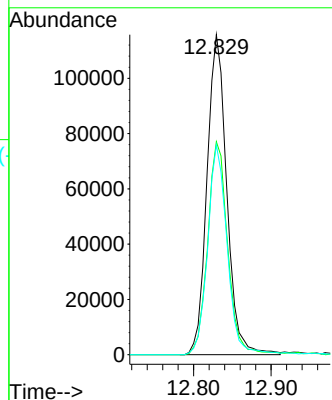
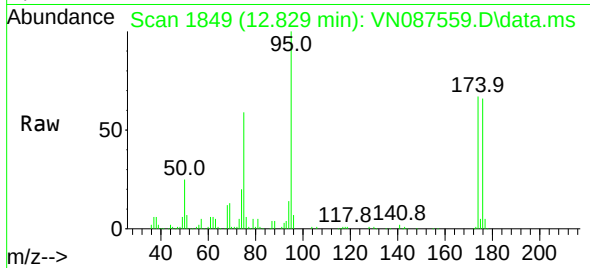




#62
4-Bromofluorobenzene
Concen: 44.104 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

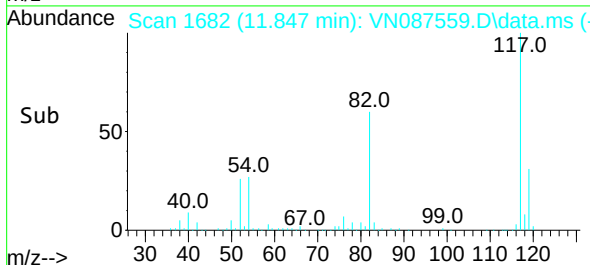
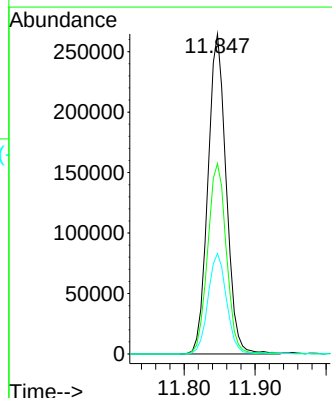
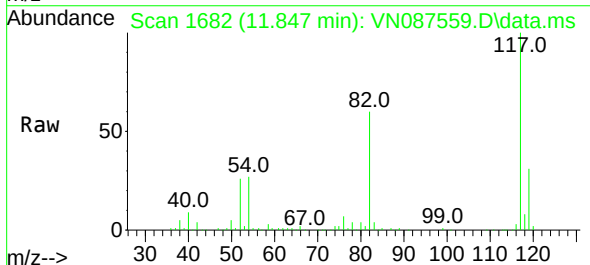
Instrument :
MSVOA_N
ClientSampleId :

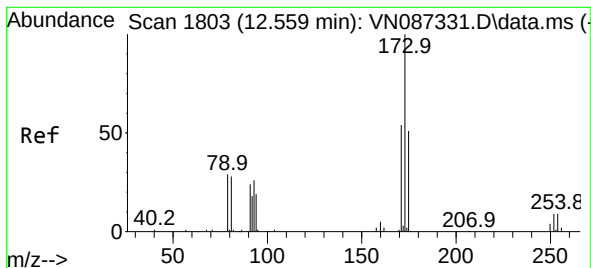
Tgt Ion: 95 Resp: 205019
Ion Ratio Lower Upper
95 100
174 67.5 0.0 149.4
176 64.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 117 Resp: 472747
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 31.4 23.8 35.8





#71

Bromoform

Concen: 0.434 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

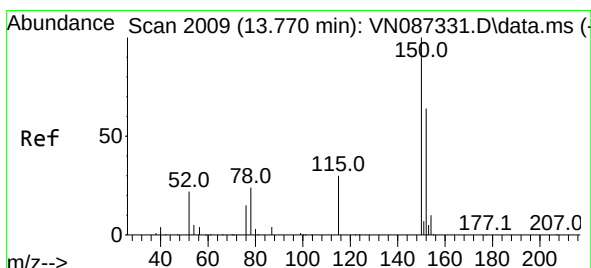
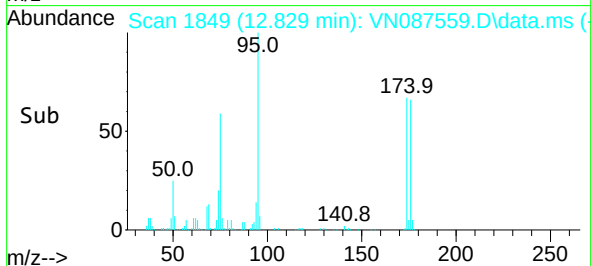
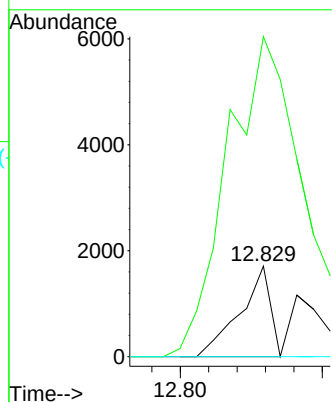
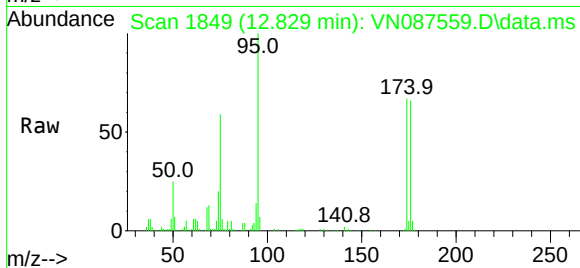
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1266

Ion	Ratio	Lower	Upper
173	100		
175	646.8	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

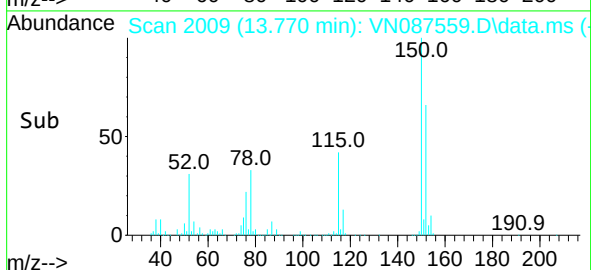
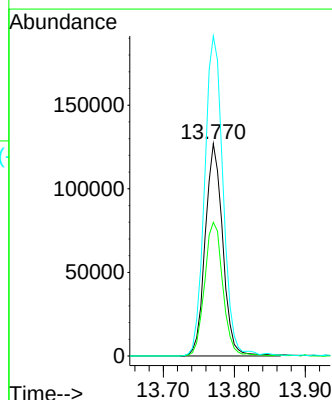
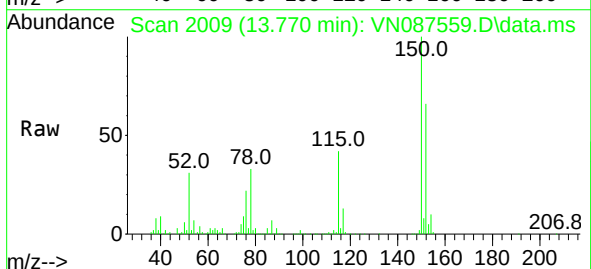
Delta R.T. 0.000 min

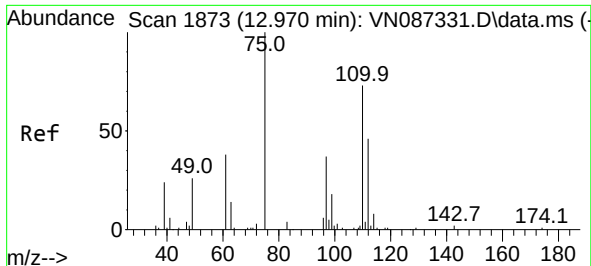
Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

Tgt Ion:152 Resp: 218306

Ion	Ratio	Lower	Upper
152	100		
115	65.5	31.1	93.5
150	157.9	0.0	349.0

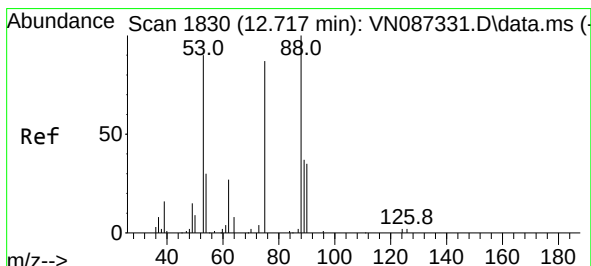
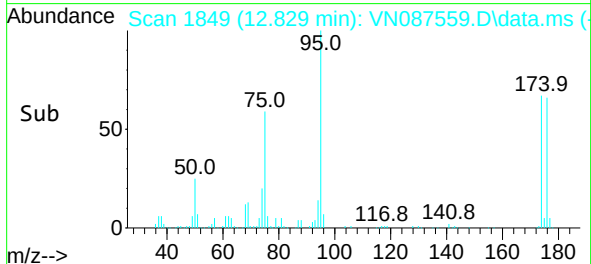
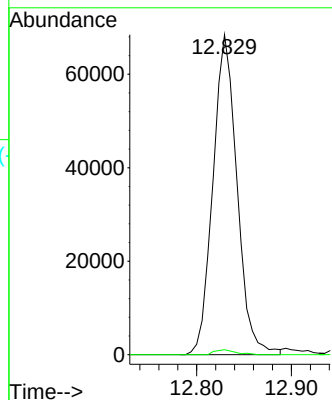
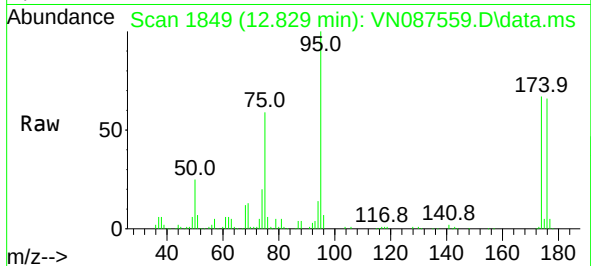




#76
1,2,3-Trichloropropane
Concen: 24.738 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

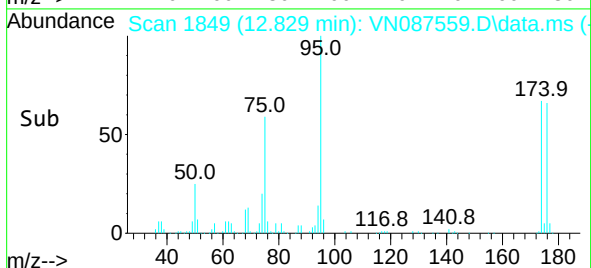
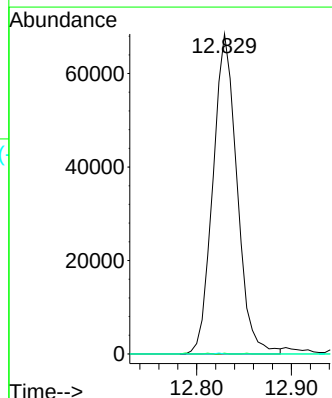
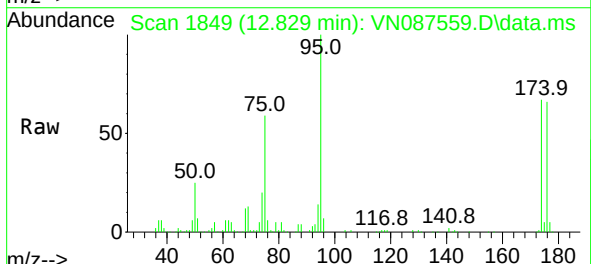
Instrument :
MSVOA_N
ClientSampleId :

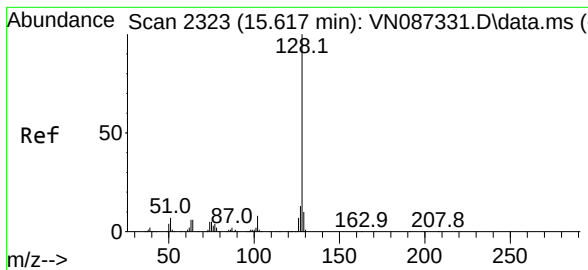
Tgt Ion: 75 Resp: 121101
Ion Ratio Lower Upper
75 100
77 1.4 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.687 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 75 Resp: 121101
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.1 38.4 57.6#





#95
Naphthalene
Concen: 4.807 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	66277
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.4	12.6

