

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087561.D
 Acq On : 14 Aug 2025 13:30
 Operator : JC\MD
 Sample : Q2836-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 15:24:50 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	230973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	508871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	471064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211812	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	213171	54.393	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.780%
35) Dibromofluoromethane	8.153	113	145808	41.538	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.080%
50) Toluene-d8	10.547	98	566852	45.271	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.829	95	200634	43.371	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.740%

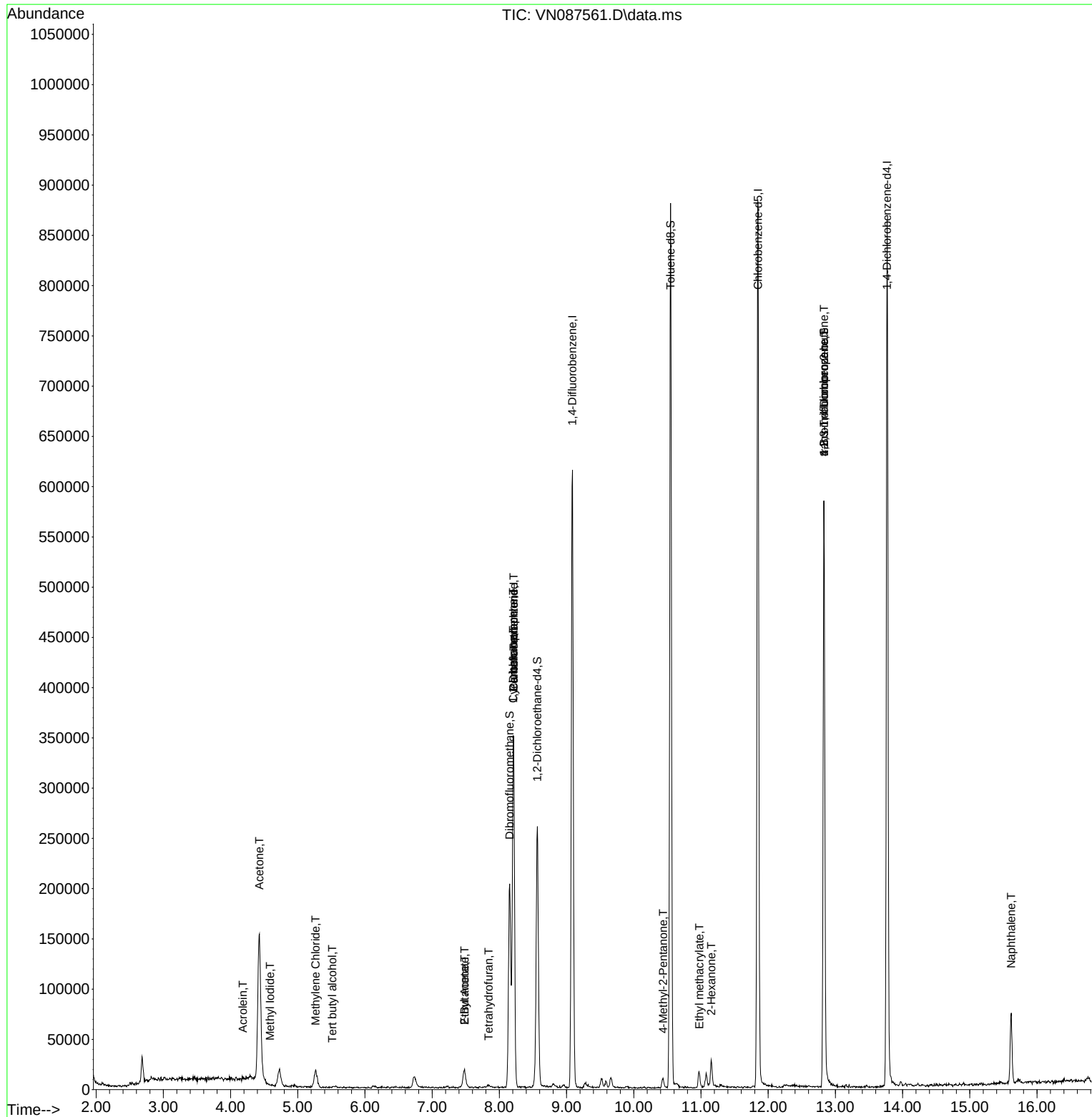
Target Compounds					Qvalue	
10) Methyl Iodide	4.589	142	55	5.652	ug/l #	40
11) Tert butyl alcohol	5.512	59	352	0.473	ug/l #	72
13) Acrolein	4.183	56	528	0.884	ug/l #	72
16) Acetone	4.430	43	292163	158.995	ug/l	99
20) Methylene Chloride	5.265	84	12540	3.441	ug/l	94
25) 2-Butanone	7.483	43	31177	10.981	ug/l #	88
29) Tetrahydrofuran	7.841	42	2003	1.086	ug/l #	68
31) Cyclohexane	8.206	56	7632	1.584	ug/l #	54
36) 1,1-Dichloropropene	8.206	75	23313	5.027	ug/l #	49
37) Ethyl Acetate	7.483	43	31177	4.655	ug/l #	70
38) Carbon Tetrachloride	8.212	117	27880	5.457	ug/l #	14
51) 4-Methyl-2-Pentanone	10.435	43	8165	1.242	ug/l	91
56) Ethyl methacrylate	10.976	69	247	0.675	ug/l #	1
59) 2-Hexanone	11.153	43	19841	4.548	ug/l #	25
76) 1,2,3-Trichloropropane	12.829	75	120625	25.396	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	120625	69.488	ug/l #	8
95) Naphthalene	15.617	128	61373	4.588	ug/l	97

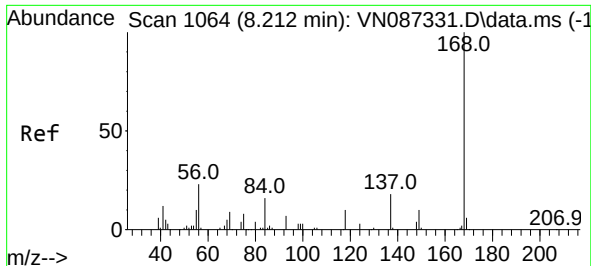
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087561.D
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Sample : Q2836-09RE
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
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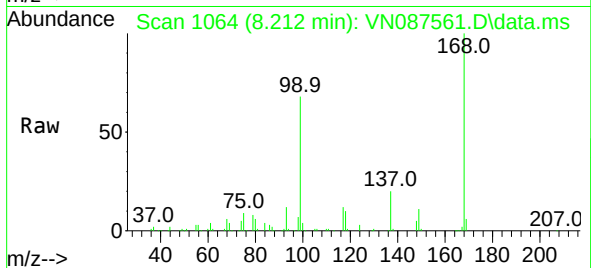
Quant Time: Aug 14 15:24:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



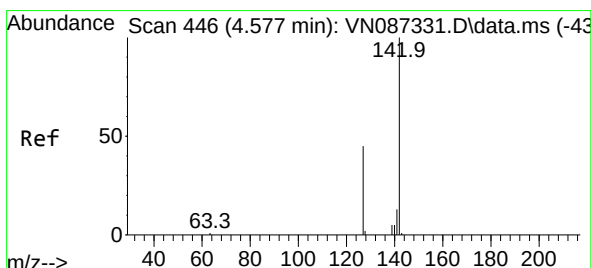
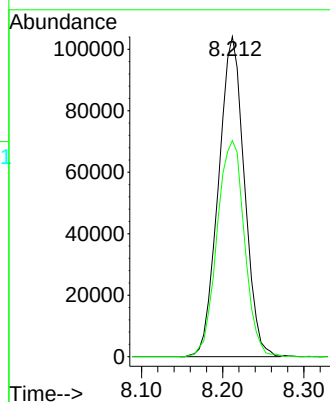
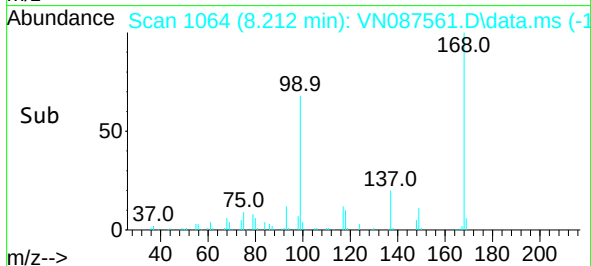


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Instrument :
MSVOA_N
ClientSampleId :

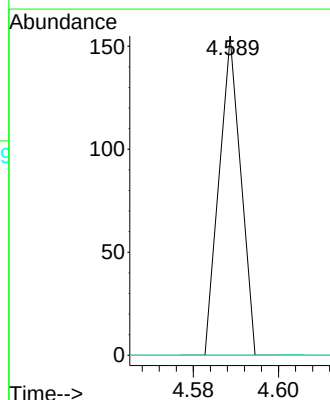
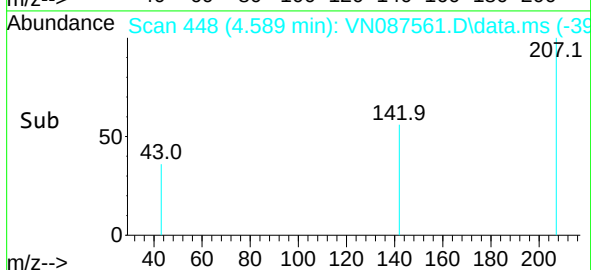
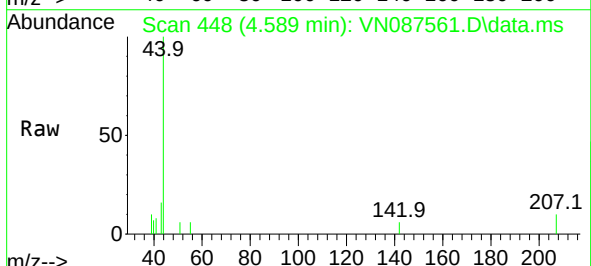


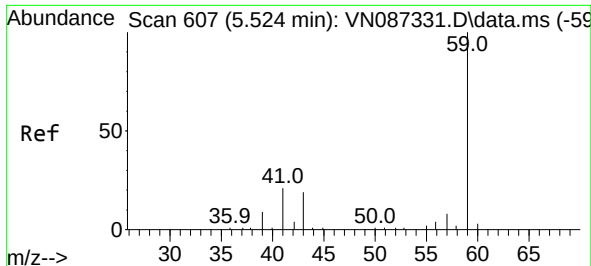
Tgt Ion:168 Resp: 230973
Ion Ratio Lower Upper
168 100
99 67.5 47.9 71.9



#10
Methyl Iodide
Concen: 5.652 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.012 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

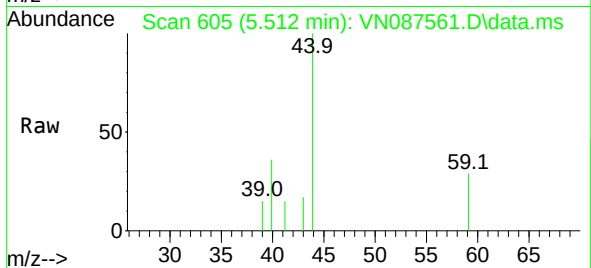
Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



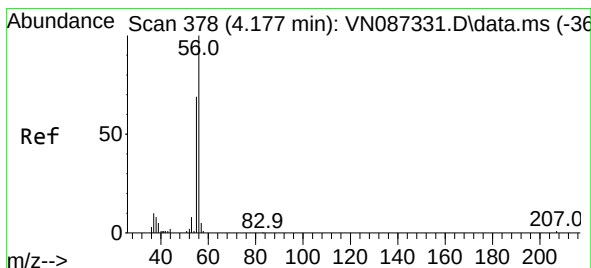
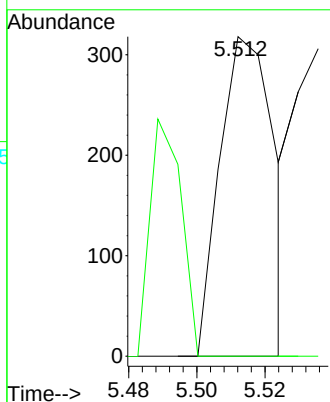
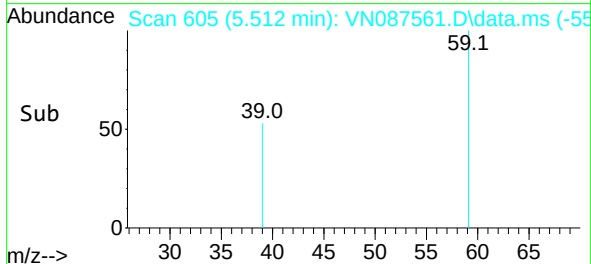


#11
Tert butyl alcohol
Concen: 0.473 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Instrument :
MSVOA_N
ClientSampleId :

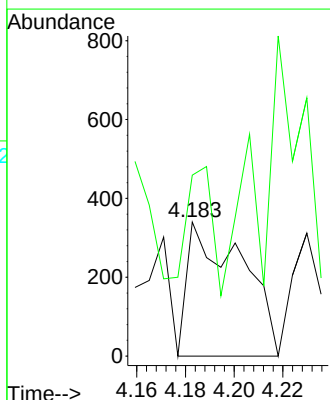
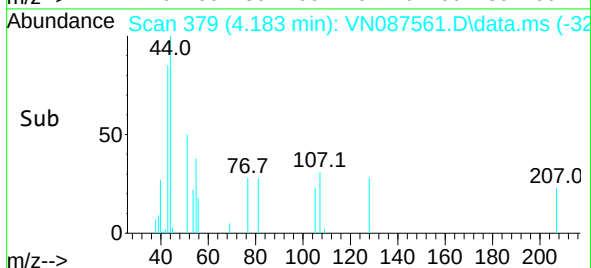
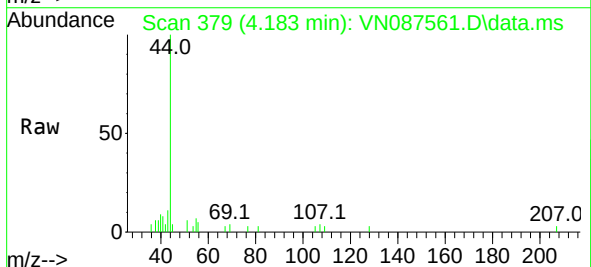


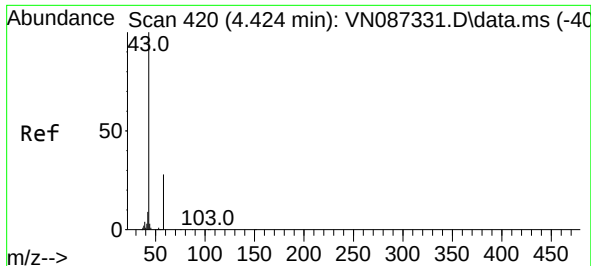
Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.884 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 56 Resp: 528
Ion Ratio Lower Upper
56 100
55 47.0 56.2 84.4#

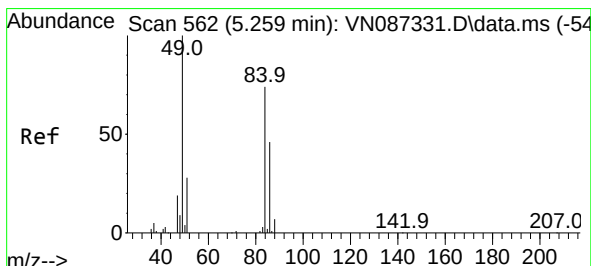
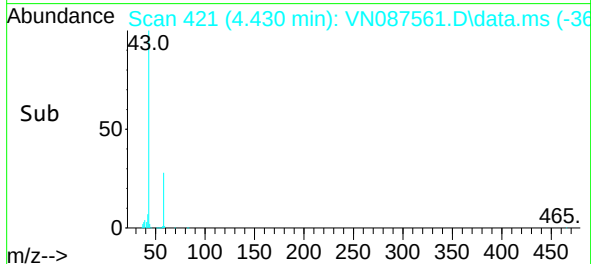
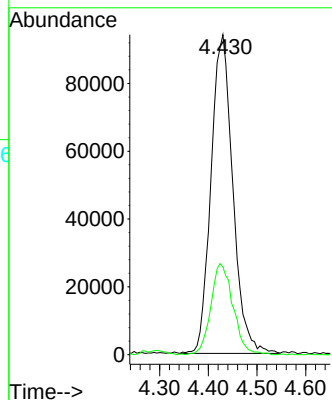
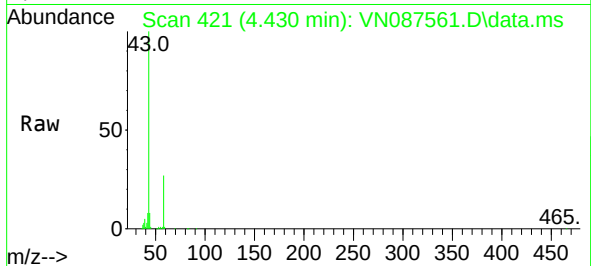




#16
Acetone
Concen: 158.995 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

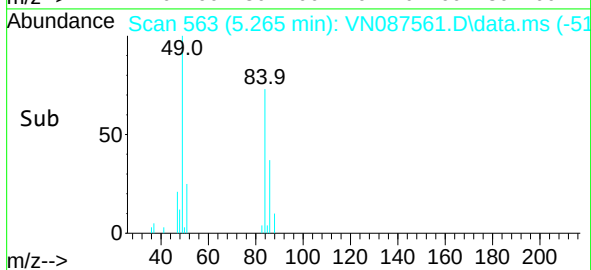
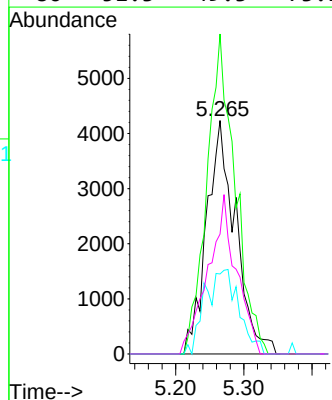
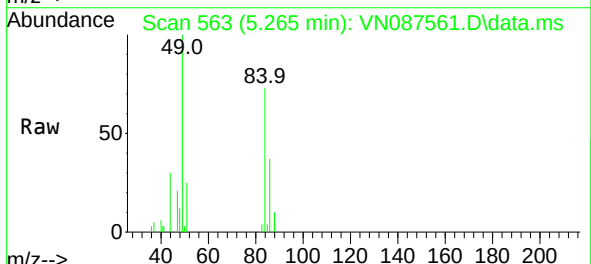
Instrument :
MSVOA_N
ClientSampleId :

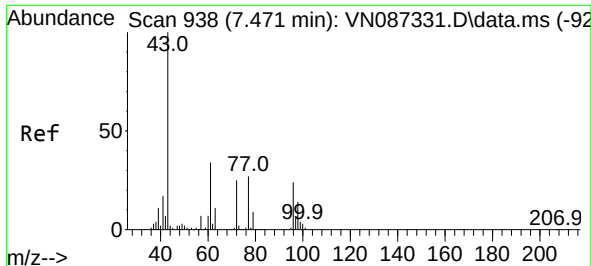
Tgt Ion: 43 Resp: 292163
Ion Ratio Lower Upper
43 100
58 27.3 22.3 33.5



#20
Methylene Chloride
Concen: 3.441 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

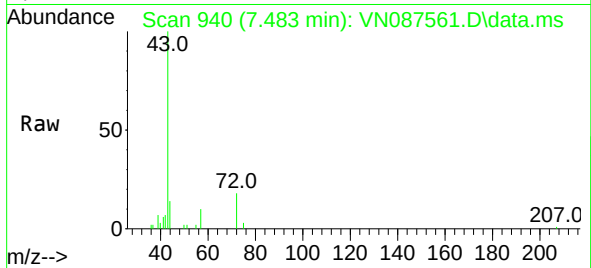
Tgt Ion: 84 Resp: 12540
Ion Ratio Lower Upper
84 100
49 137.1 107.5 161.3
51 34.3 30.2 45.2
86 51.3 49.3 73.9



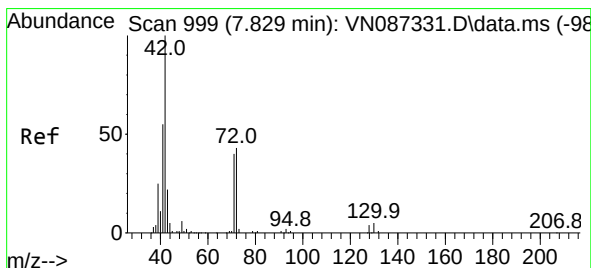
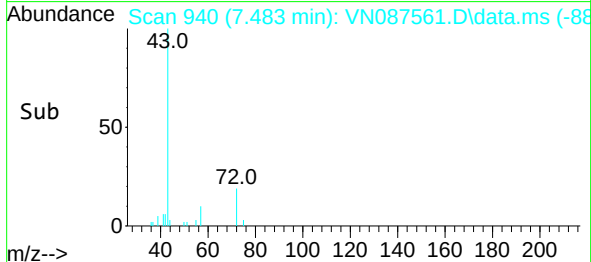
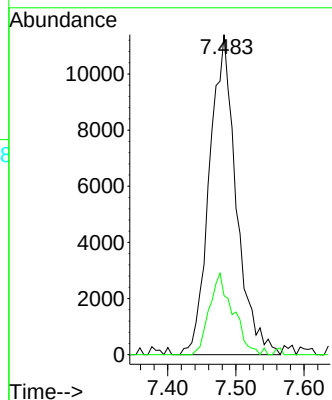


#25
2-Butanone
Concen: 10.981 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Instrument :
MSVOA_N
ClientSampleId :

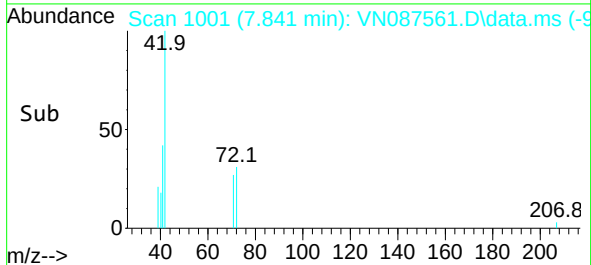
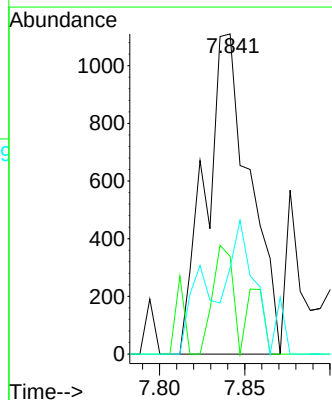
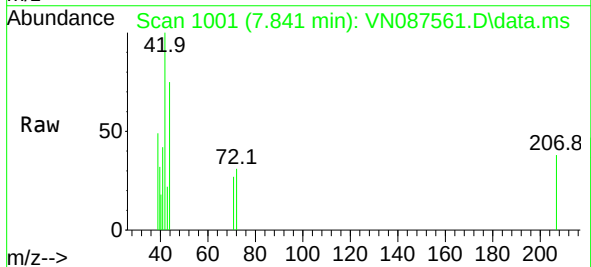


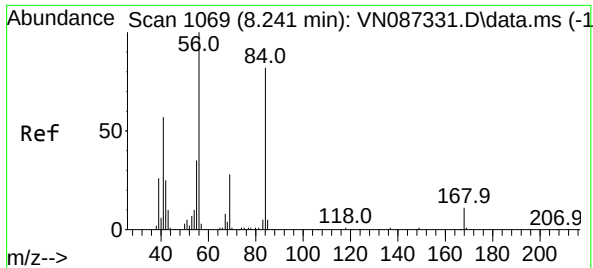
Tgt Ion: 43 Resp: 31177
Ion Ratio Lower Upper
43 100
72 18.5 19.6 29.4#



#29
Tetrahydrofuran
Concen: 1.086 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.012 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

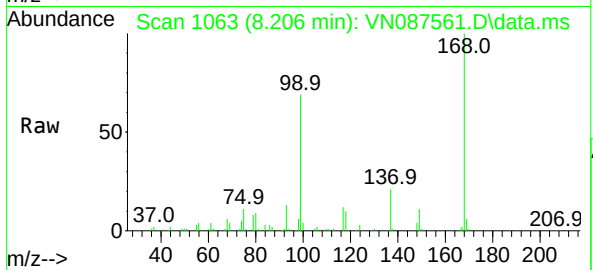
Tgt Ion: 42 Resp: 2003
Ion Ratio Lower Upper
42 100
72 15.3 33.4 50.0#
71 25.8 31.2 46.8#



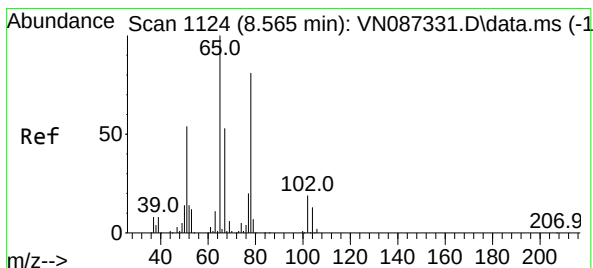
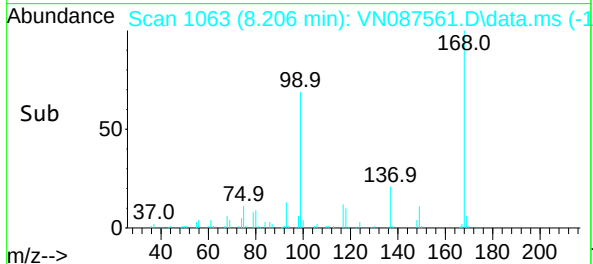
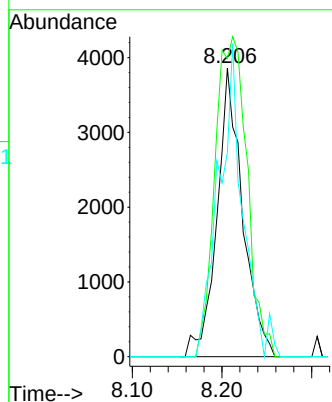


#31
Cyclohexane
Concen: 1.584 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Instrument :
MSVOA_N
ClientSampleId :

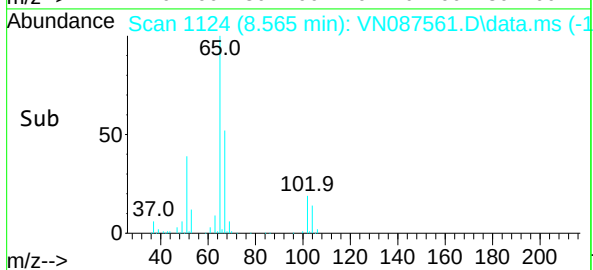
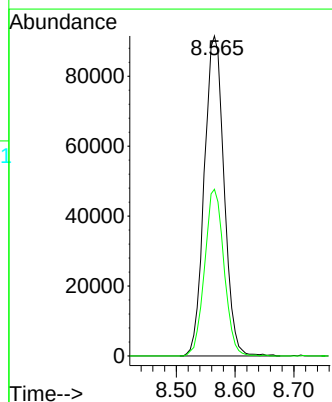
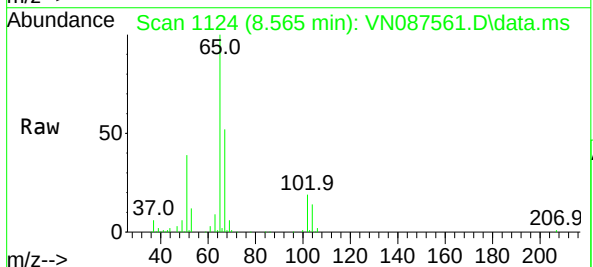


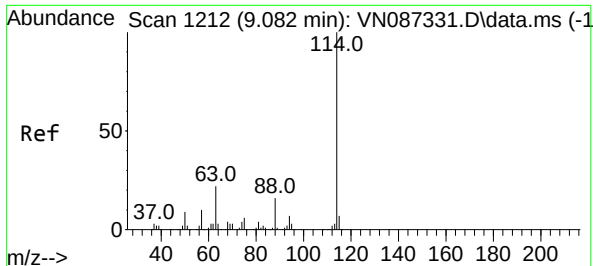
Tgt Ion: 56 Resp: 7632
Ion Ratio Lower Upper
56 100
69 103.4 22.7 34.1#
84 70.9 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 54.393 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 65 Resp: 213171
Ion Ratio Lower Upper
65 100
67 51.1 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: VN087561.D

Acq: 14 Aug 2025 13:30

Instrument :

MSVOA_N

ClientSampleId :

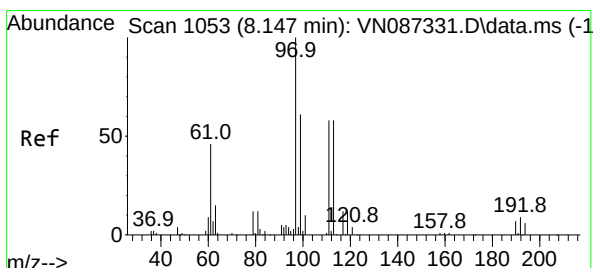
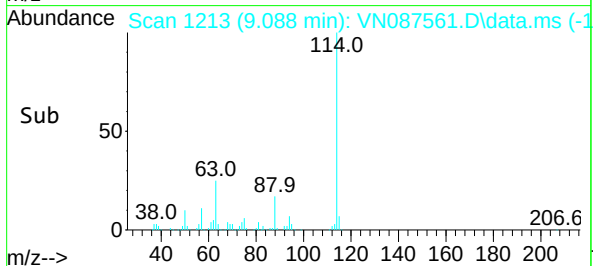
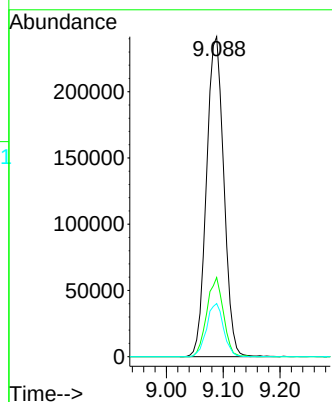
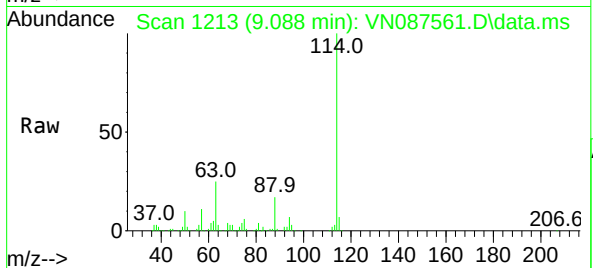
Tgt Ion:114 Resp: 508871

Ion Ratio Lower Upper

114 100

63 24.7 0.0 44.6

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 41.538 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

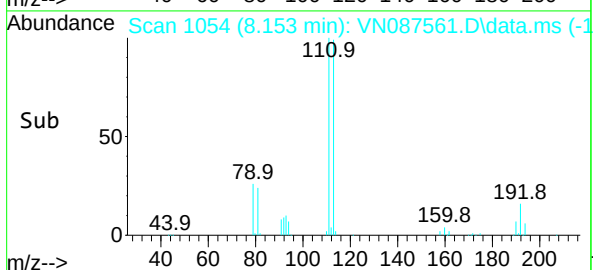
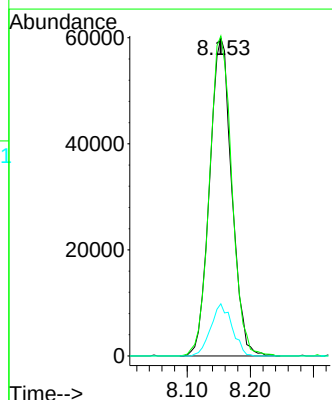
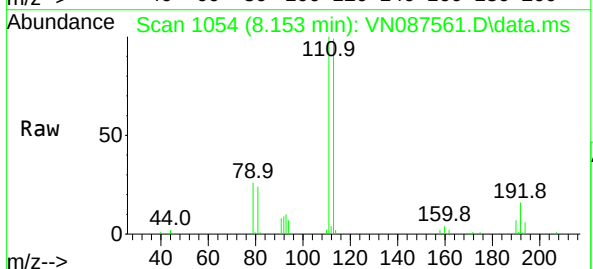
Tgt Ion:113 Resp: 145808

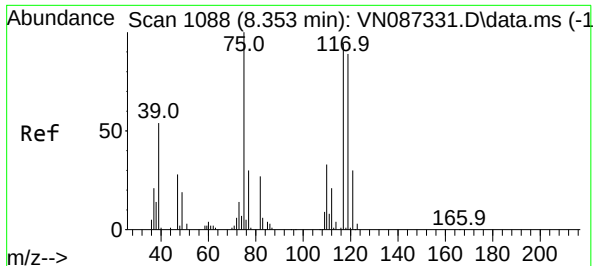
Ion Ratio Lower Upper

113 100

111 101.8 82.5 123.7

192 15.8 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

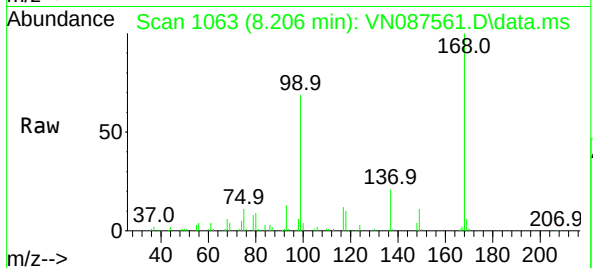
Lab File: VN087561.D

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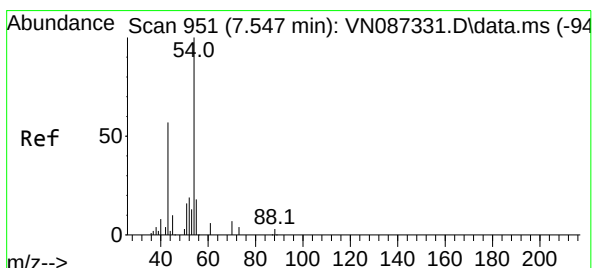
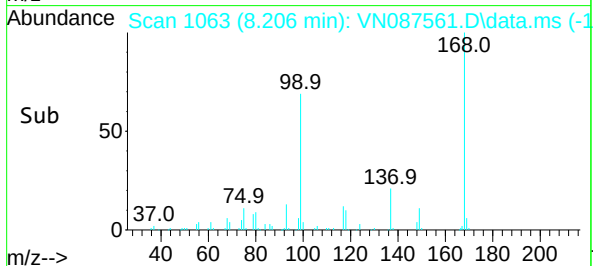
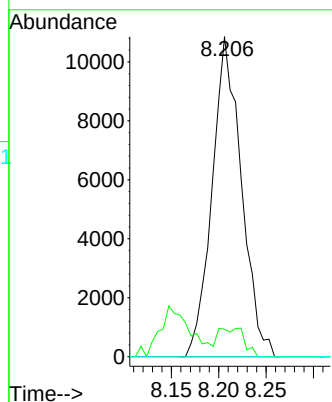
Tgt Ion: 75 Resp: 23313

Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 4.655 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.065 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

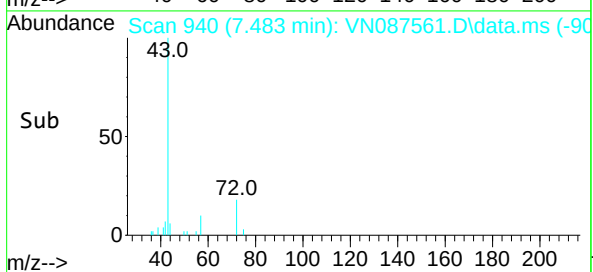
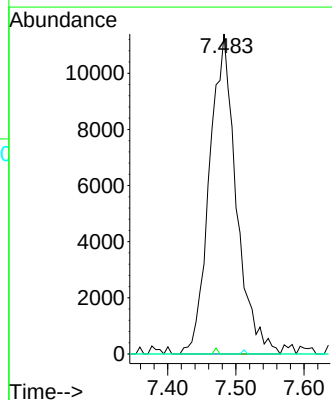
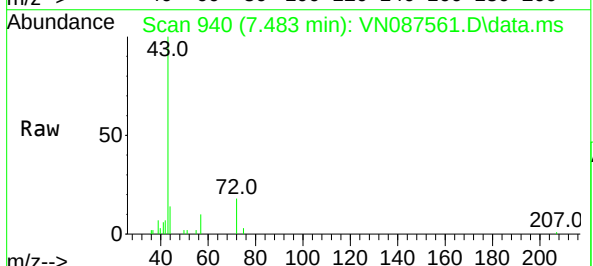
Tgt Ion: 43 Resp: 31177

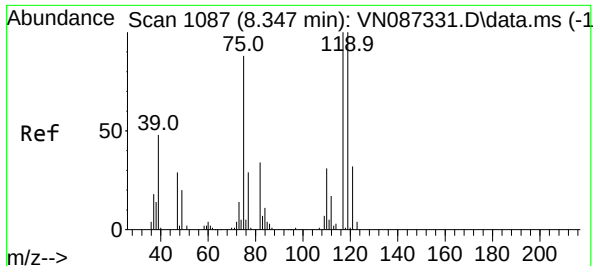
Ion Ratio Lower Upper

43 100

61 0.2 10.9 16.3#

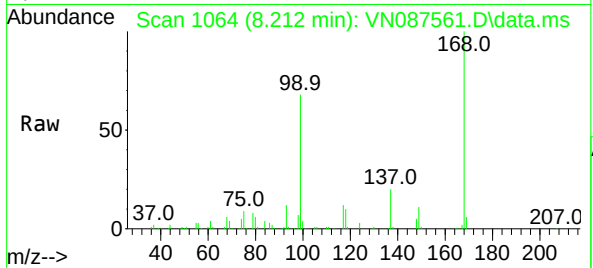
70 0.0 7.4 11.0#



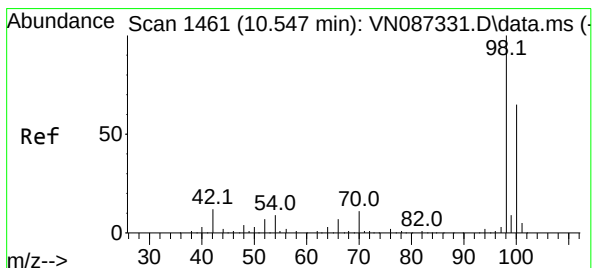
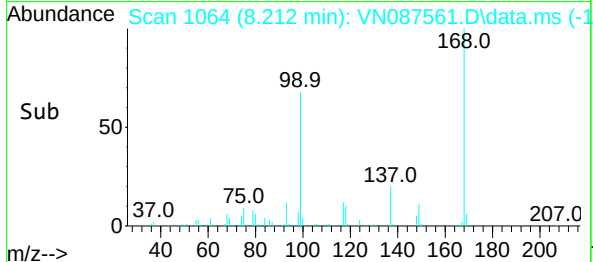
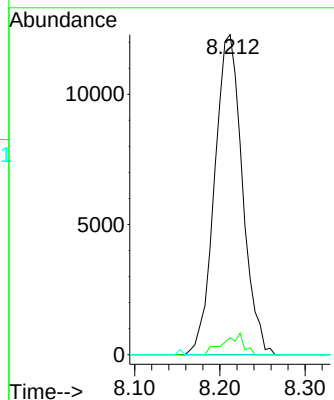


#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Instrument :
MSVOA_N
ClientSampleId :

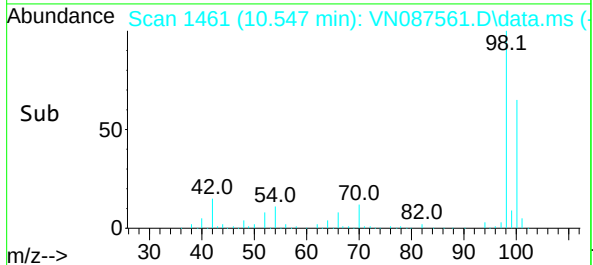
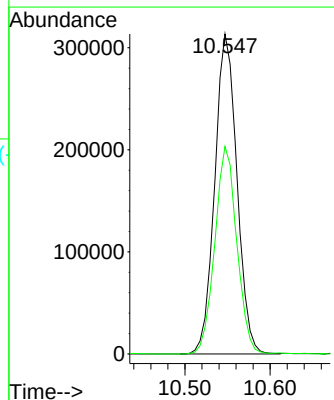
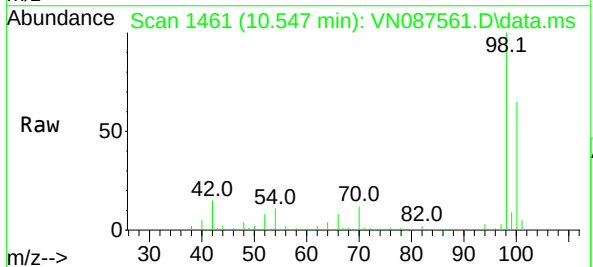


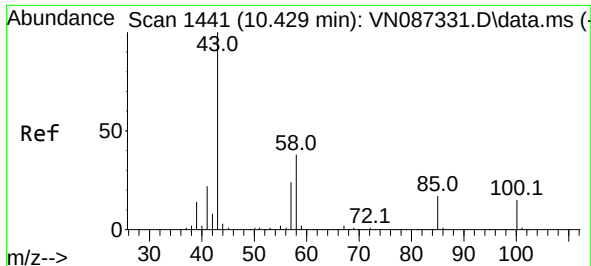
Tgt Ion:117 Resp: 27880
Ion Ratio Lower Upper
117 100
119 5.3 80.2 120.2#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 45.271 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 98 Resp: 566852
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.242 ug/l

RT: 10.435 min Scan# 1441

Delta R.T. 0.006 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

Instrument :

MSVOA_N

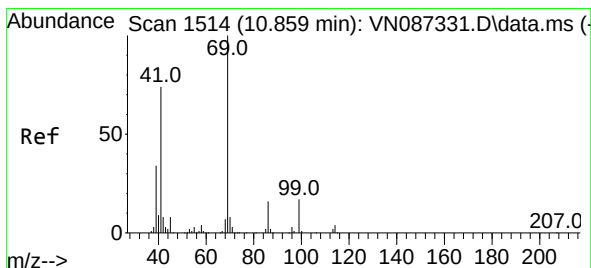
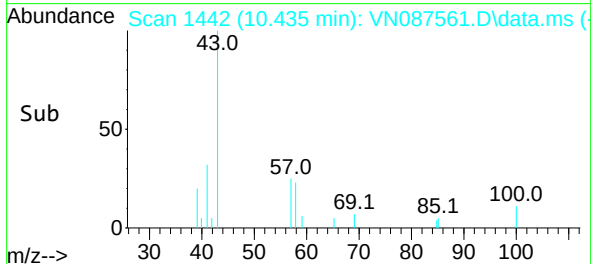
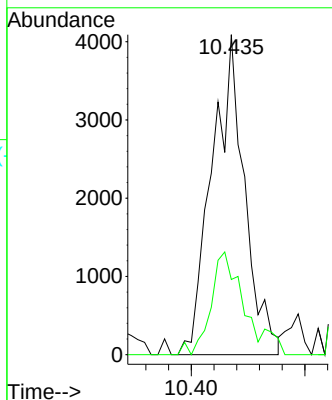
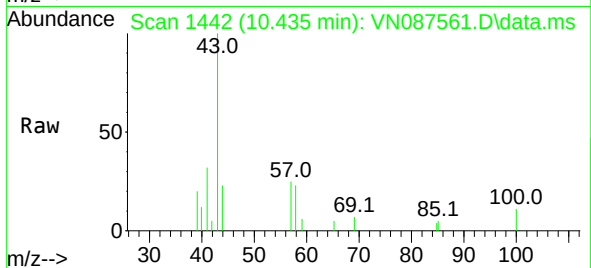
ClientSampleId :

Tgt Ion: 43 Resp: 8165

Ion Ratio Lower Upper

43 100

58 33.3 30.8 46.2



#56

Ethyl methacrylate

Concen: 0.675 ug/l

RT: 10.976 min Scan# 1534

Delta R.T. 0.117 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

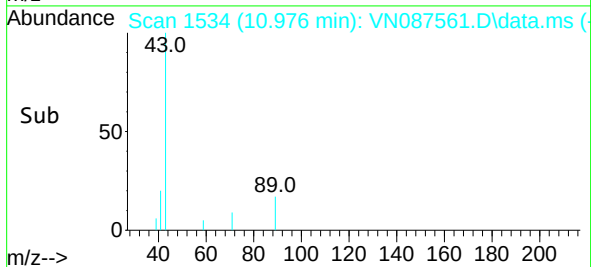
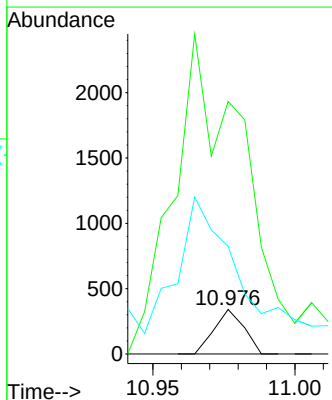
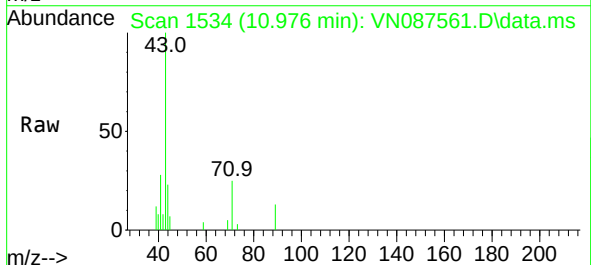
Tgt Ion: 69 Resp: 247

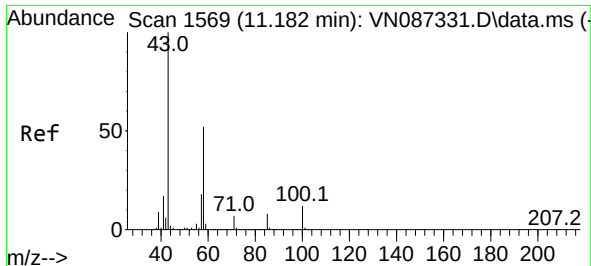
Ion Ratio Lower Upper

69 100

41 1793.9 55.1 82.7#

39 874.9 27.9 41.9#

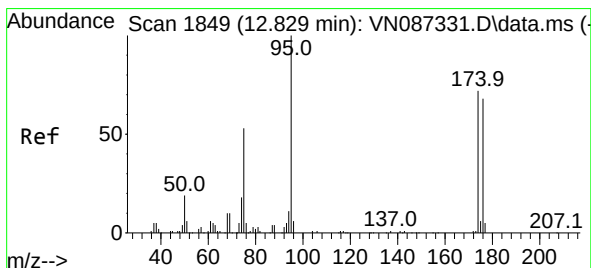
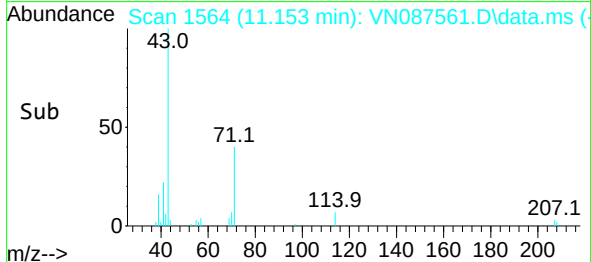
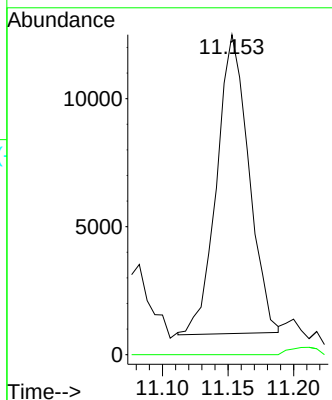
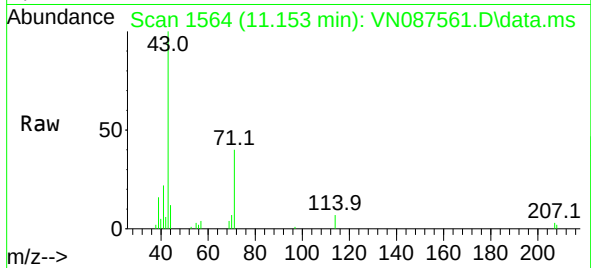




#59
2-Hexanone
Concen: 4.548 ug/l
RT: 11.153 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

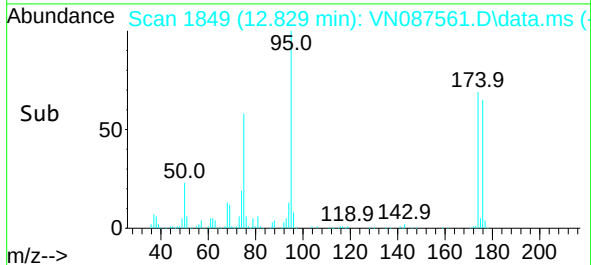
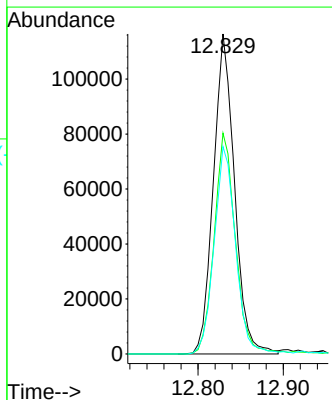
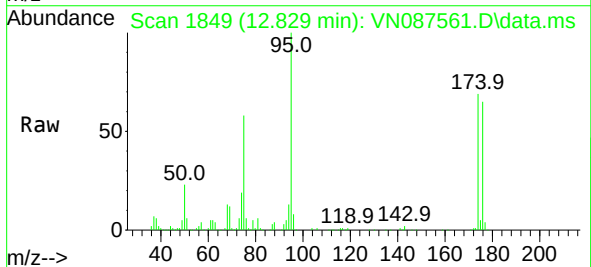
Instrument :
MSVOA_N
ClientSampleId :

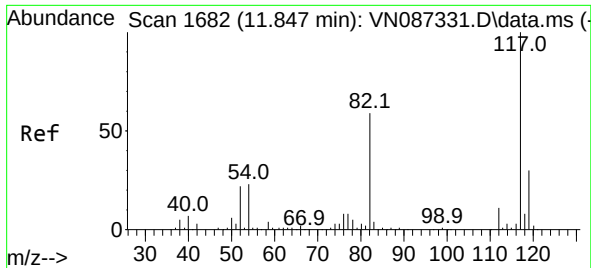
Tgt Ion: 43 Resp: 19841
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 43.371 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 95 Resp: 200634
Ion Ratio Lower Upper
95 100
174 69.4 0.0 149.4
176 66.0 0.0 141.2

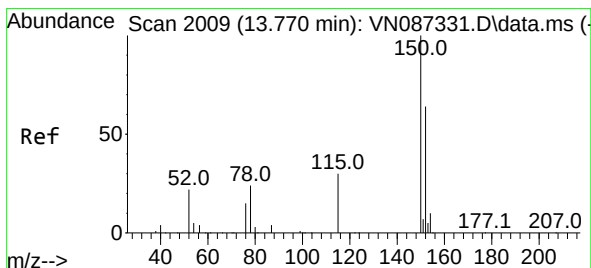
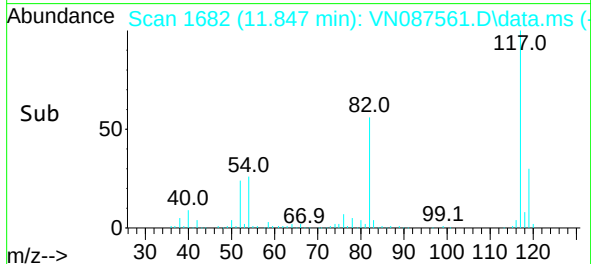
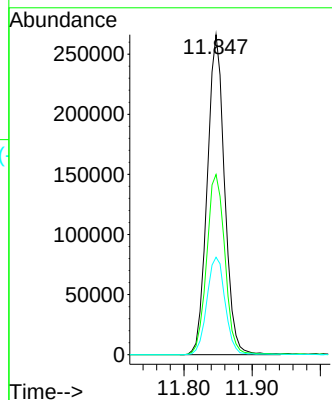
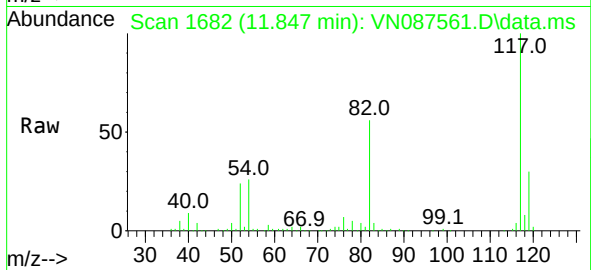




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

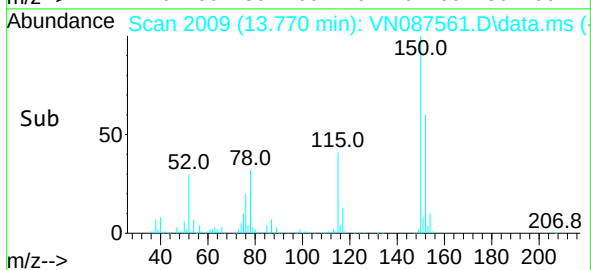
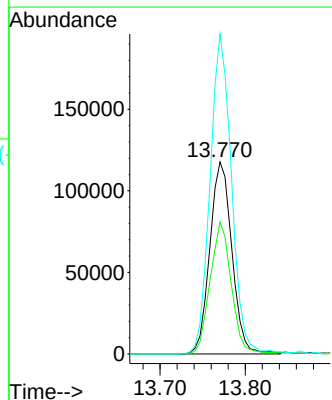
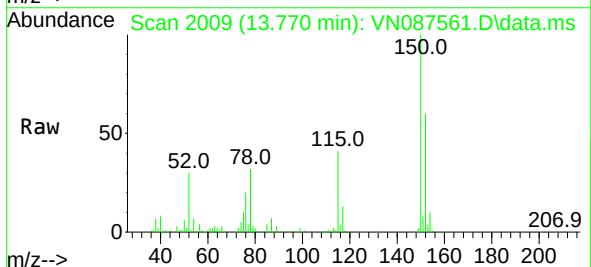
Instrument :
MSVOA_N
ClientSampleId :

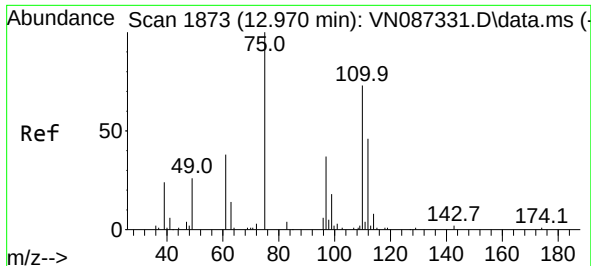
Tgt Ion:117 Resp: 471064
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 30.5 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion:152 Resp: 211812
Ion Ratio Lower Upper
152 100
115 66.5 31.1 93.5
150 162.0 0.0 349.0

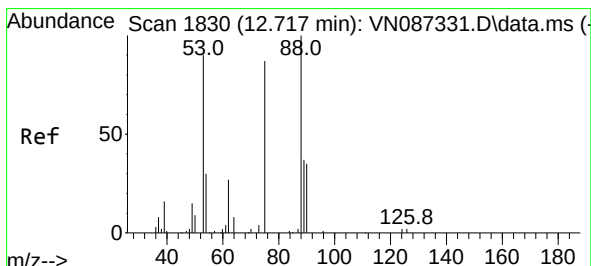
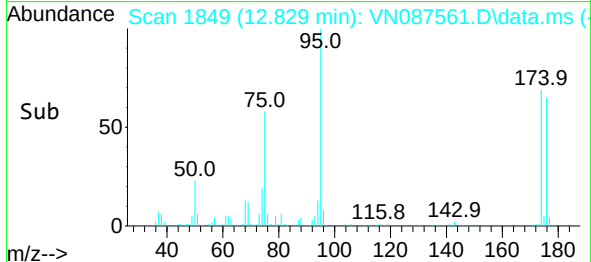
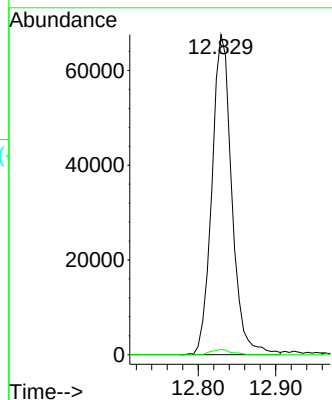
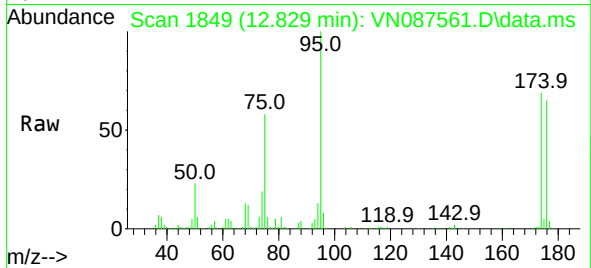




#76
1,2,3-Trichloropropane
Concen: 25.396 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

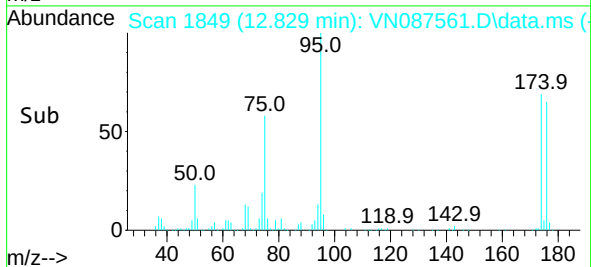
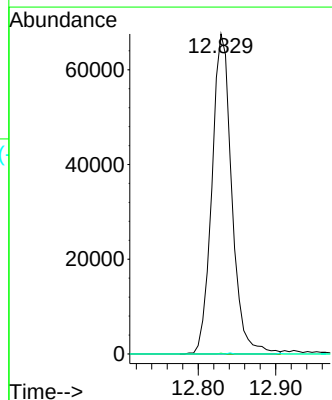
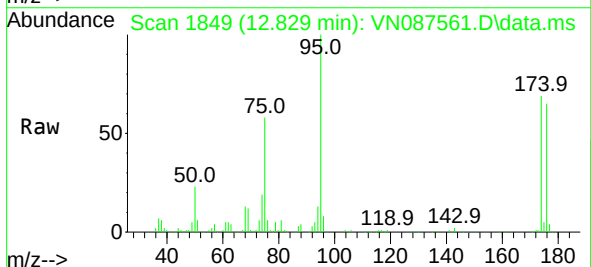
Instrument :
MSVOA_N
ClientSampleId :

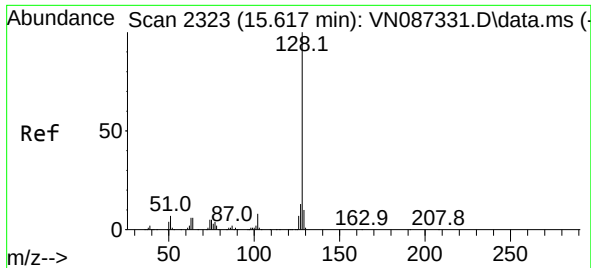
Tgt Ion: 75 Resp: 120625
Ion Ratio Lower Upper
75 100
77 1.7 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.488 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 75 Resp: 120625
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.1 38.4 57.6#





#95

Naphthalene

Concen: 4.588 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.000 min

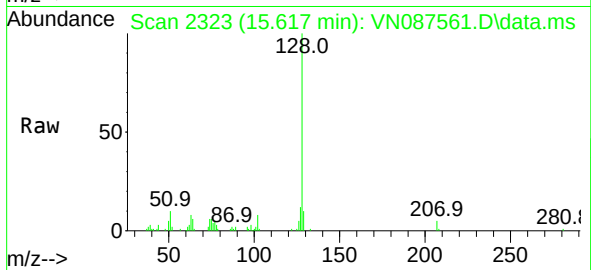
Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 61373

Ion Ratio Lower Upper

128 100

127 14.4 10.5 15.7

129 11.3 8.4 12.6

