

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087562.D
 Acq On : 14 Aug 2025 13:52
 Operator : JC\MD
 Sample : Q2836-13RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 15:24:59 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

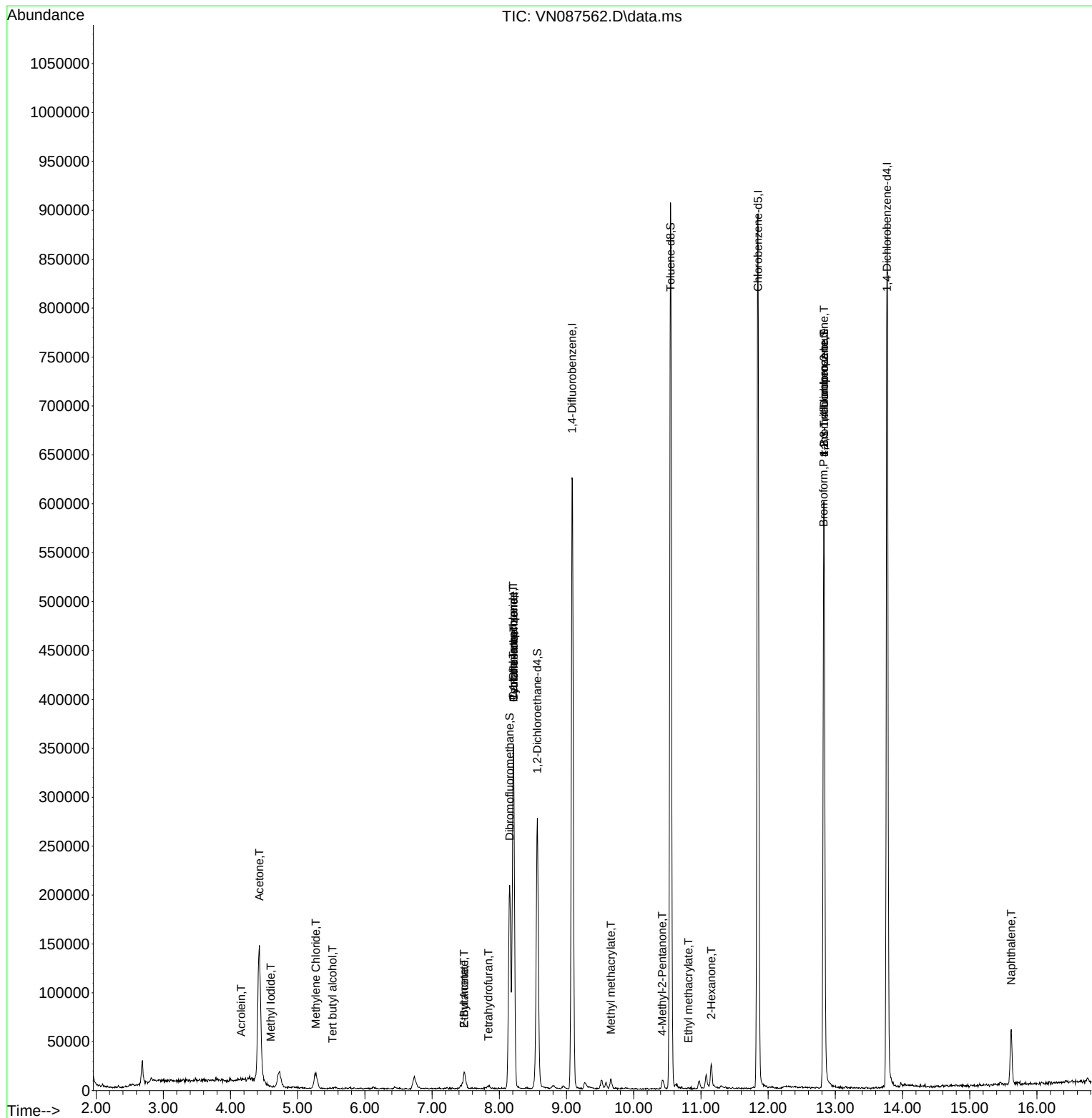
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	231781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	518724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	481565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	226043	57.476	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	114.960%	
35) Dibromofluoromethane	8.153	113	147073	41.103	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	82.200%	
50) Toluene-d8	10.547	98	593014	46.461	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.920%	
62) 4-Bromofluorobenzene	12.829	95	213976	45.376	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	90.760%	
Target Compounds						Qvalue
10) Methyl Iodide	4.601	142	90	5.665	ug/l #	40
11) Tert butyl alcohol	5.518	59	371	0.497	ug/l #	72
13) Acrolein	4.159	56	616	1.028	ug/l #	15
16) Acetone	4.430	43	272163	147.595	ug/l	97
20) Methylene Chloride	5.271	84	11836	3.198	ug/l	84
25) 2-Butanone	7.477	43	26989	9.473	ug/l	94
29) Tetrahydrofuran	7.836	42	2434	1.315	ug/l #	72
31) Cyclohexane	8.212	56	7320	1.514	ug/l #	4
36) 1,1-Dichloropropene	8.206	75	24764	5.238	ug/l #	51
37) Ethyl Acetate	7.477	43	26989	3.953	ug/l #	70
38) Carbon Tetrachloride	8.206	117	29092	5.586	ug/l #	14
48) Methyl methacrylate	9.659	41	2811	0.589	ug/l #	39
51) 4-Methyl-2-Pentanone	10.424	43	8421	1.256	ug/l #	83
56) Ethyl methacrylate	10.812	69	53	0.643	ug/l #	1
59) 2-Hexanone	11.153	43	18683	4.201	ug/l #	25
71) Bromoform	12.823	173	843	0.284	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	122525	24.228	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	122525	66.292	ug/l #	8
95) Naphthalene	15.617	128	49320	3.463	ug/l	99

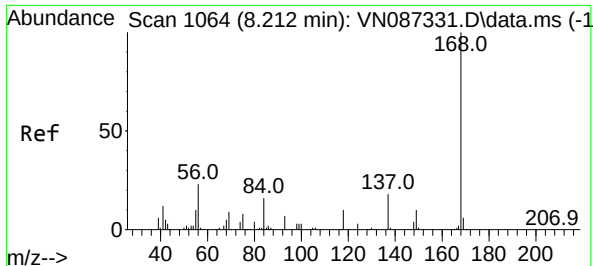
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN087562.D
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Sample : Q2836-13RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

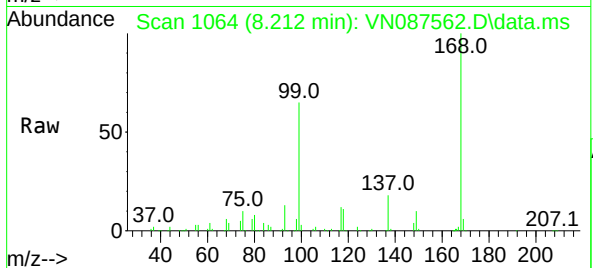
Quant Time: Aug 14 15:24:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



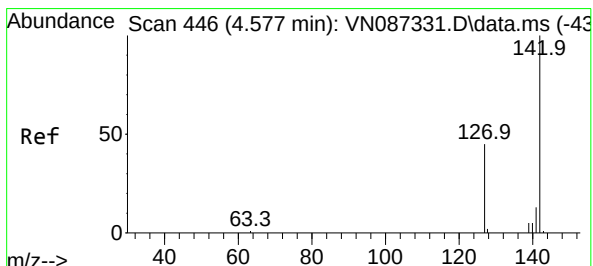
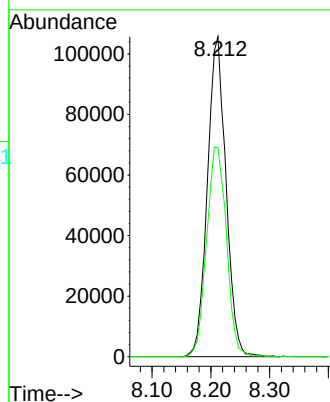
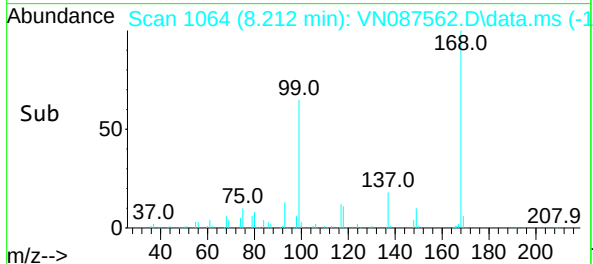


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

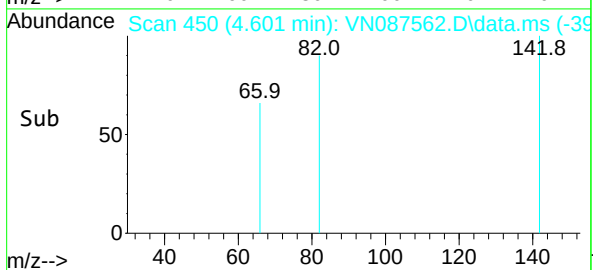
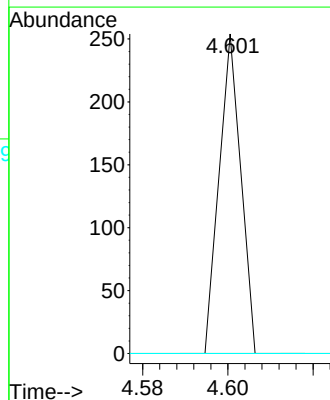
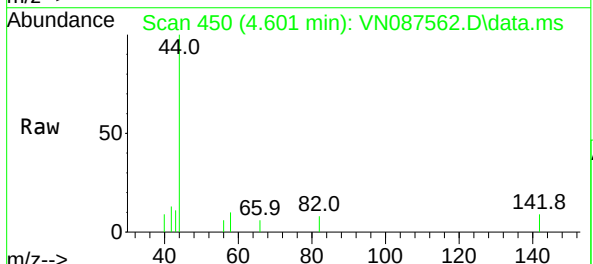


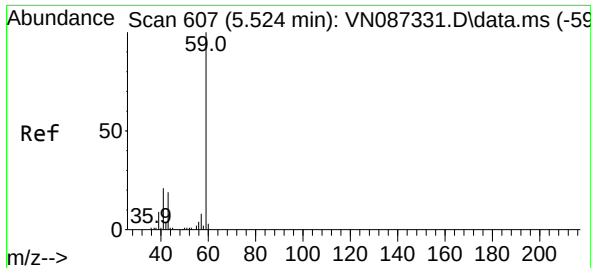
Tgt Ion:168 Resp: 231781
Ion Ratio Lower Upper
168 100
99 65.3 47.9 71.9



#10
Methyl Iodide
Concen: 5.665 ug/l
RT: 4.601 min Scan# 450
Delta R.T. 0.024 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

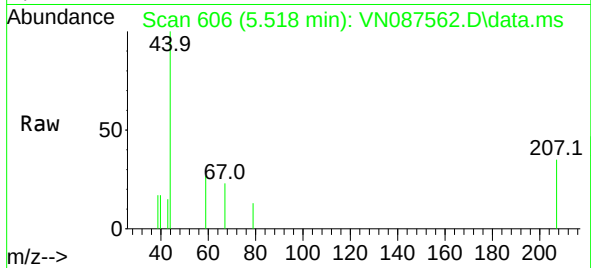
Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



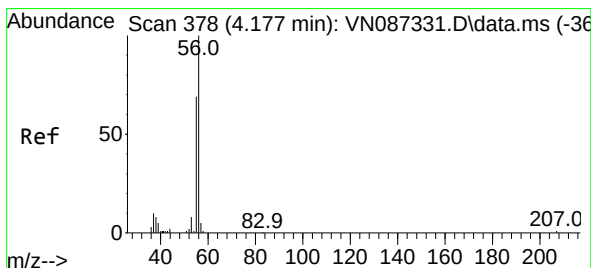
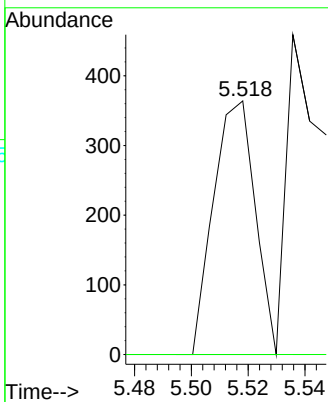
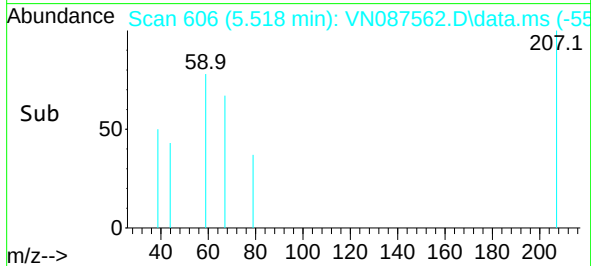


#11
Tert butyl alcohol
Concen: 0.497 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

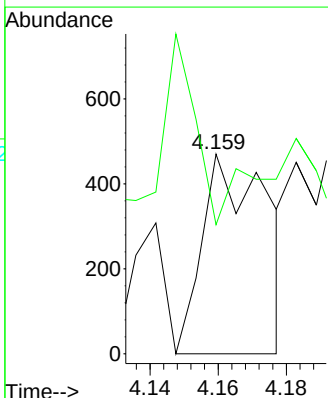
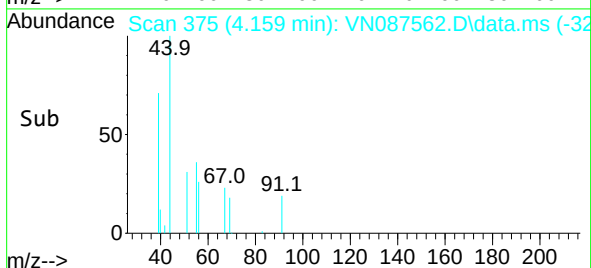
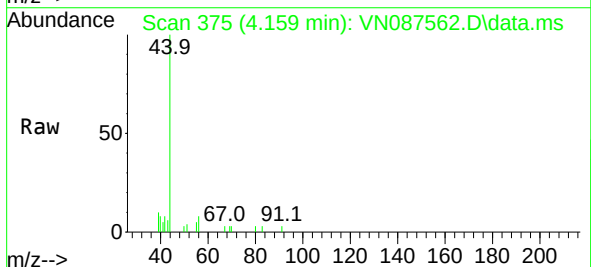


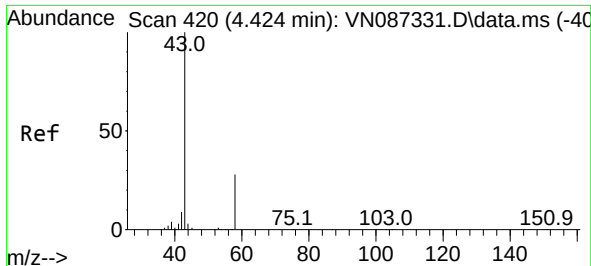
Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 1.028 ug/l
RT: 4.159 min Scan# 375
Delta R.T. -0.017 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 56 Resp: 616
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

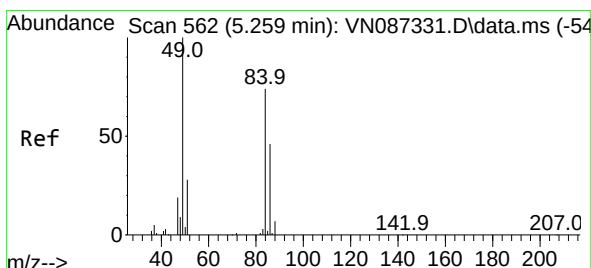
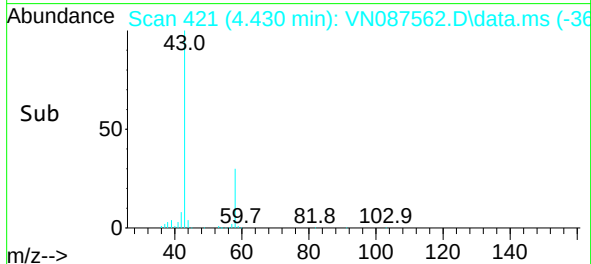
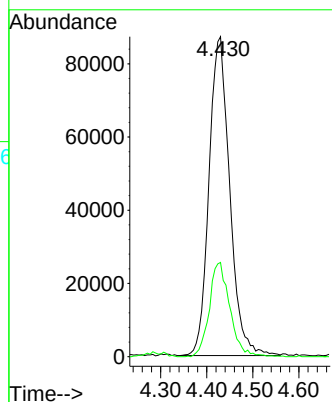
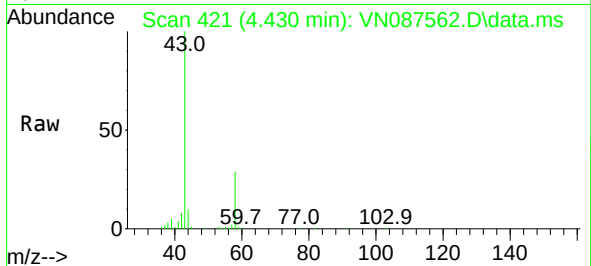




#16
Acetone
Concen: 147.595 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

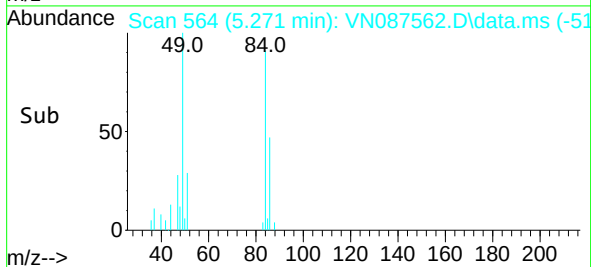
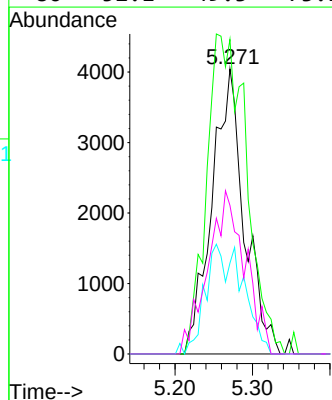
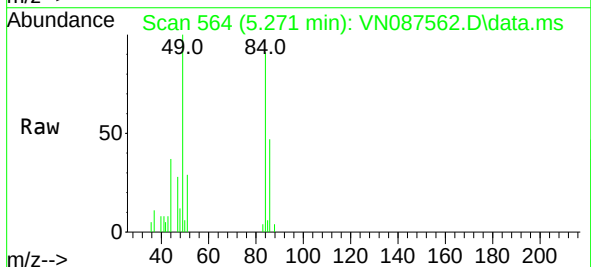
Instrument :
MSVOA_N
ClientSampleId :

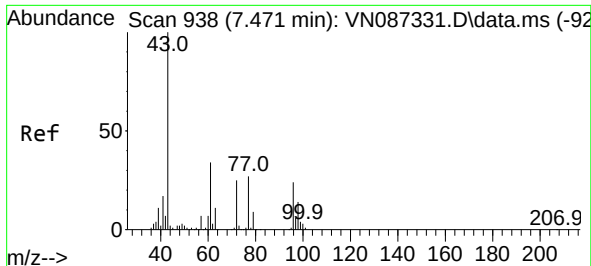
Tgt Ion: 43 Resp: 272163
Ion Ratio Lower Upper
43 100
58 29.6 22.3 33.5



#20
Methylene Chloride
Concen: 3.198 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.012 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

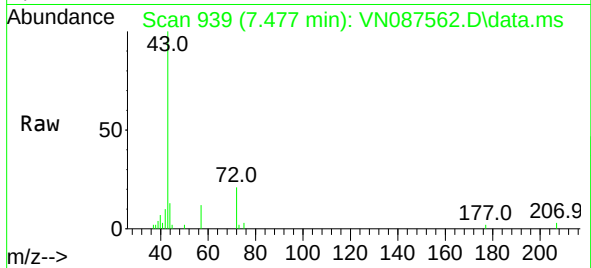
Tgt Ion: 84 Resp: 11836
Ion Ratio Lower Upper
84 100
49 110.3 107.5 161.3
51 31.9 30.2 45.2
86 52.1 49.3 73.9



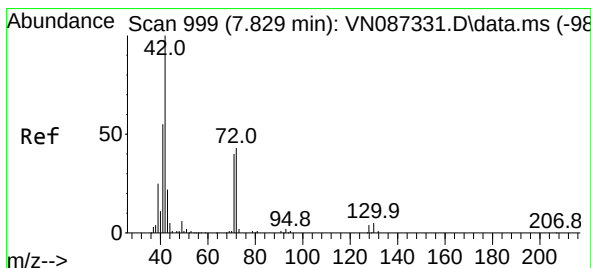
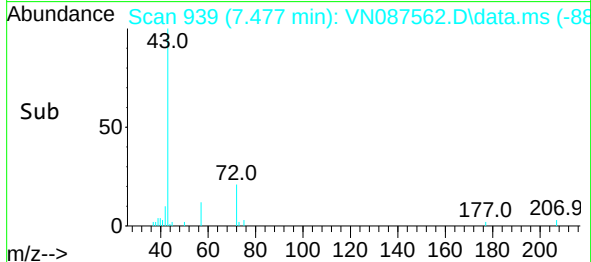
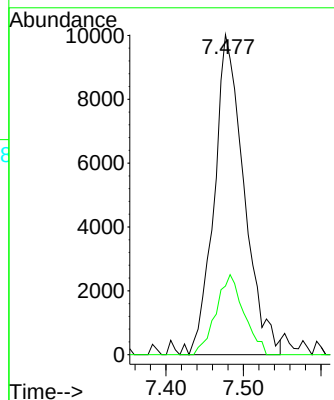


#25
2-Butanone
Concen: 9.473 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

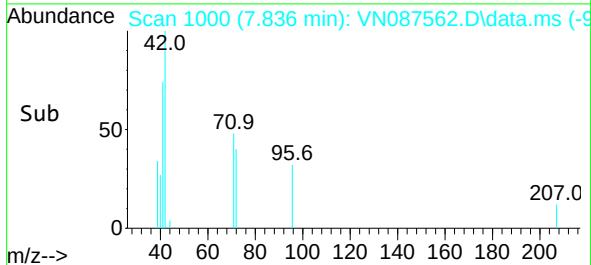
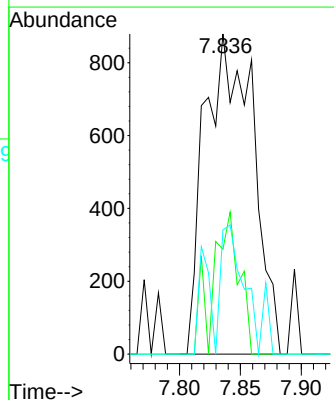
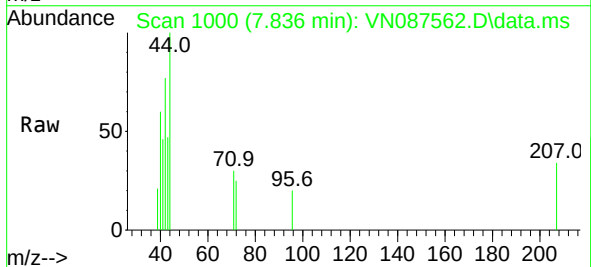


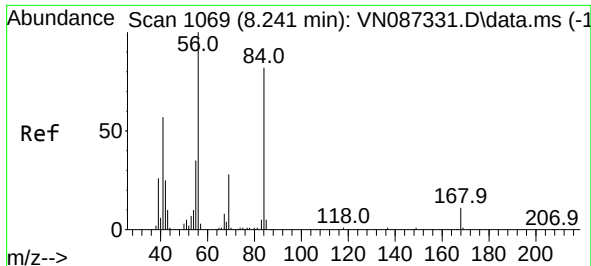
Tgt Ion: 43 Resp: 26989
Ion Ratio Lower Upper
43 100
72 21.4 19.6 29.4



#29
Tetrahydrofuran
Concen: 1.315 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

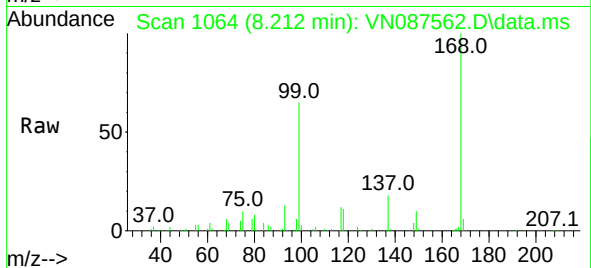
Tgt Ion: 42 Resp: 2434
Ion Ratio Lower Upper
42 100
72 24.3 33.4 50.0#
71 21.5 31.2 46.8#



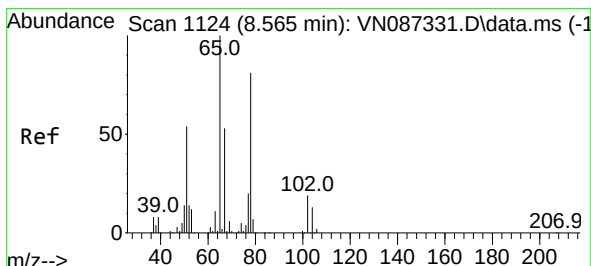
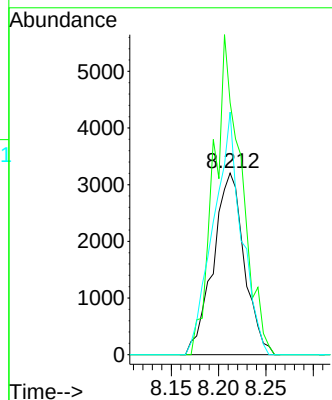
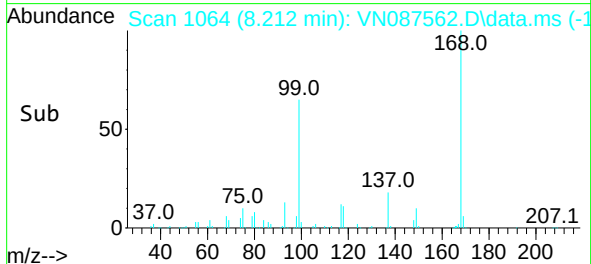


#31
Cyclohexane
Concen: 1.514 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.029 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

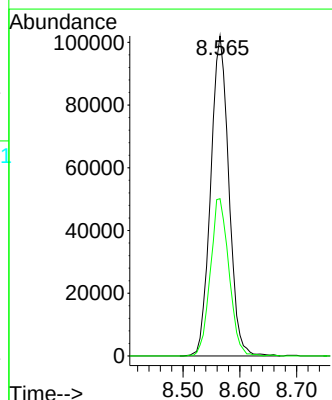
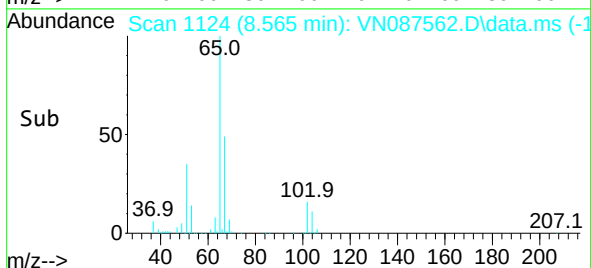
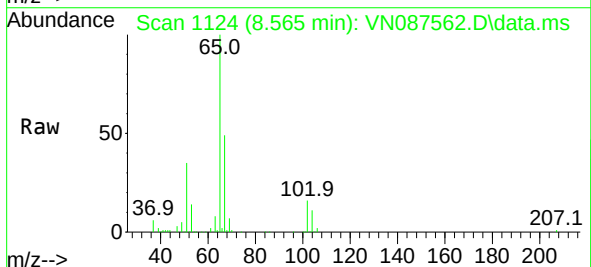


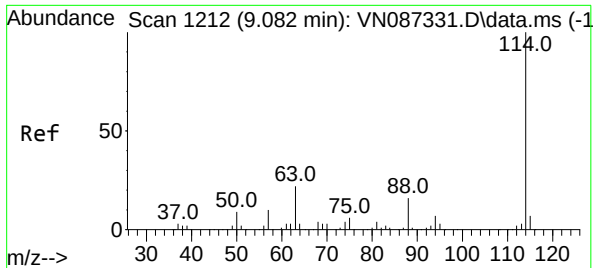
Tgt Ion: 56 Resp: 7320
Ion Ratio Lower Upper
56 100
69 138.8 22.7 34.1#
84 133.6 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 57.476 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 65 Resp: 226043
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.0

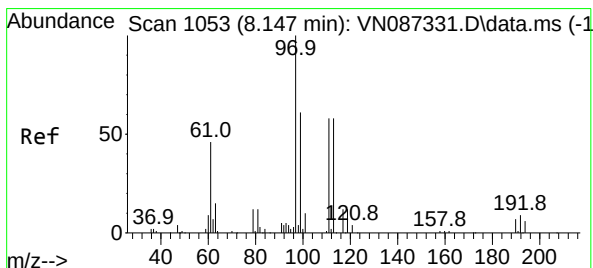
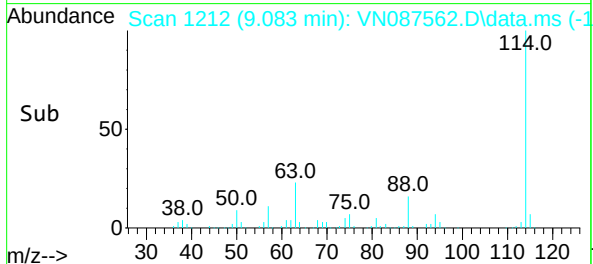
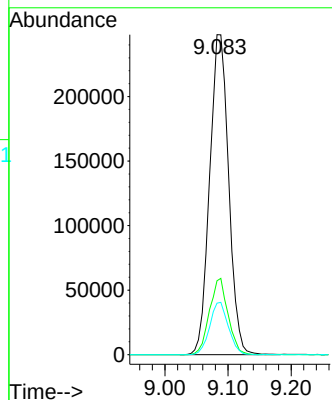
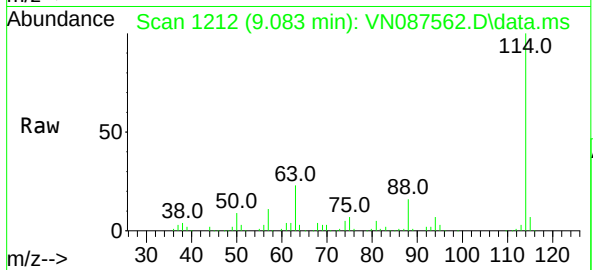




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

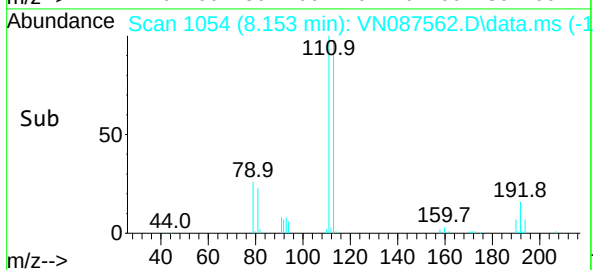
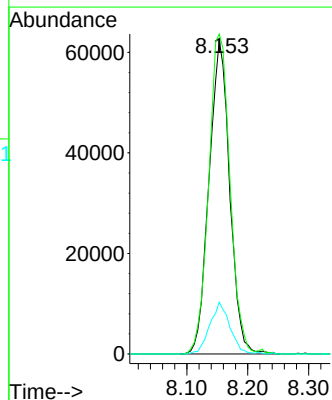
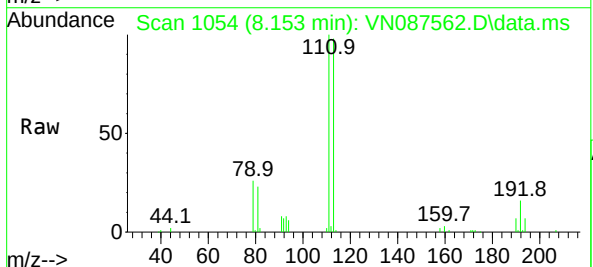
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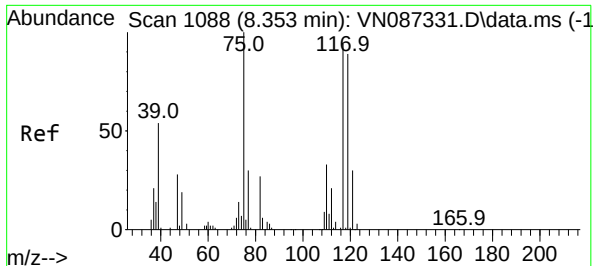
Tgt Ion:114 Resp: 518724
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 41.103 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion:113 Resp: 147073
Ion Ratio Lower Upper
113 100
111 105.2 82.5 123.7
192 16.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.238 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087562.D

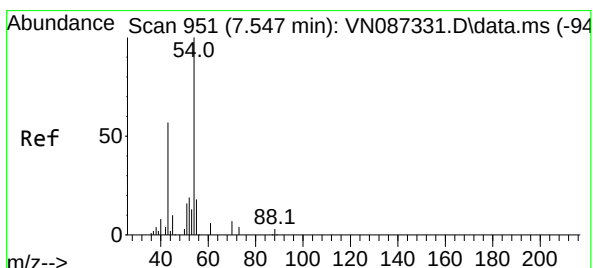
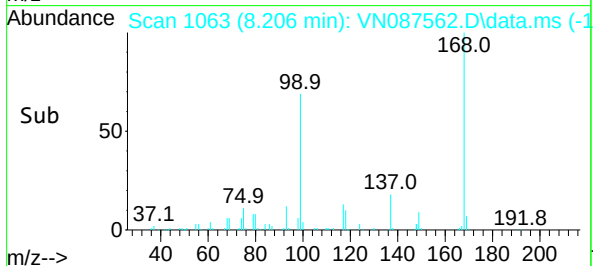
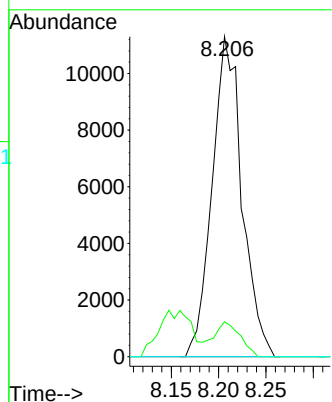
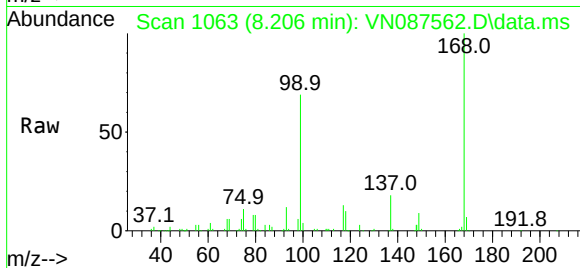
Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	24764
Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 3.953 ug/l

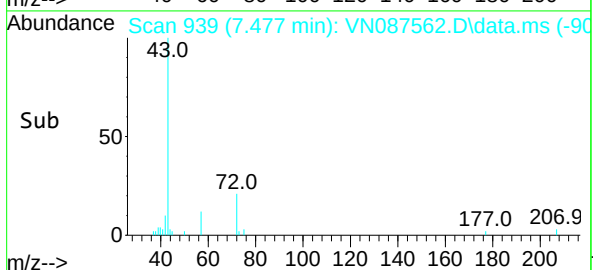
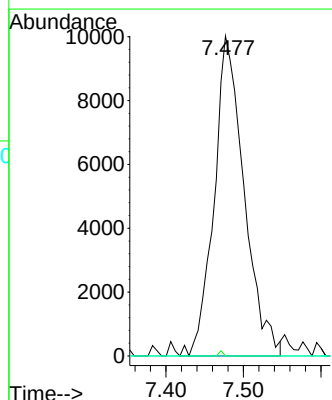
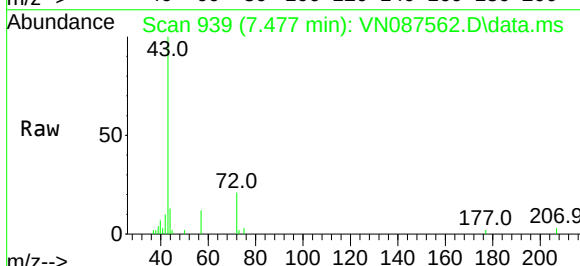
RT: 7.477 min Scan# 939

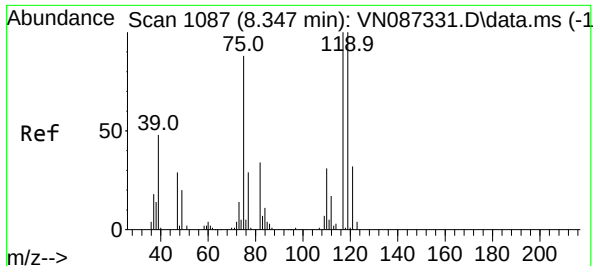
Delta R.T. -0.070 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

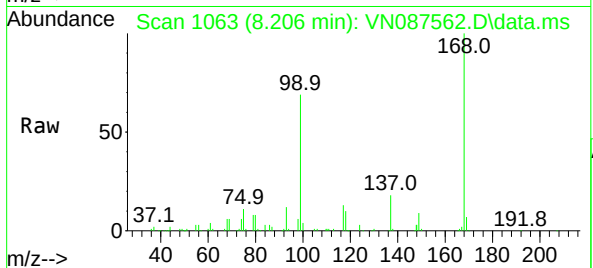
Tgt Ion:	43	Resp:	26989
Ion	Ratio	Lower	Upper
43	100		
61	0.2	10.9	16.3#
70	0.0	7.4	11.0#



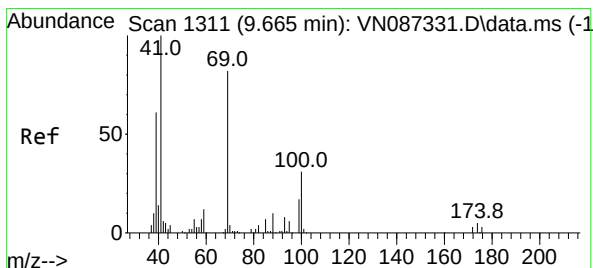
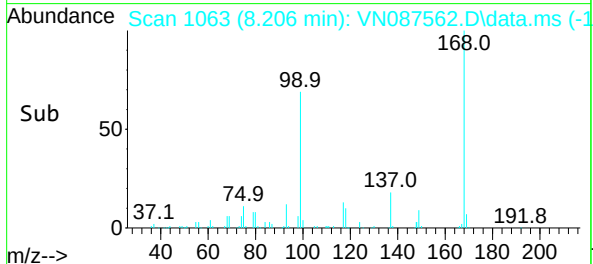
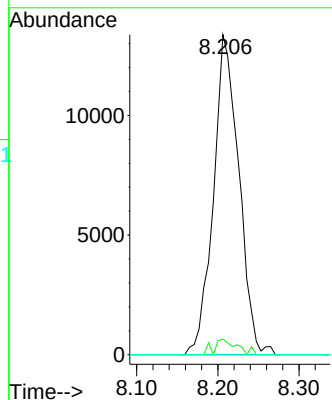


#38
Carbon Tetrachloride
Concen: 5.586 ug/l
RT: 8.206 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

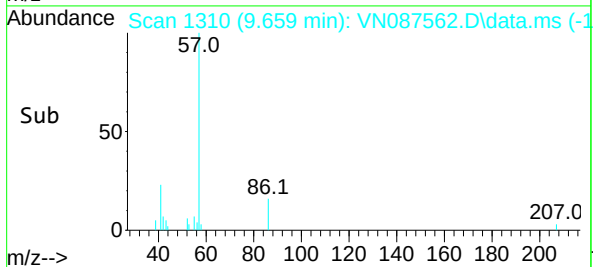
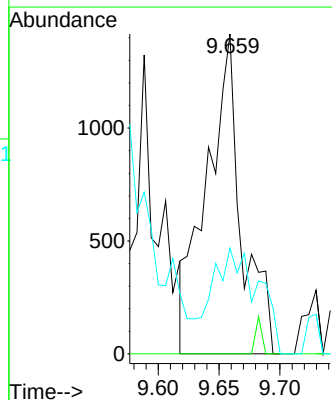
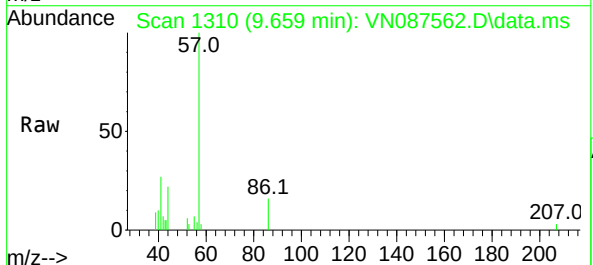


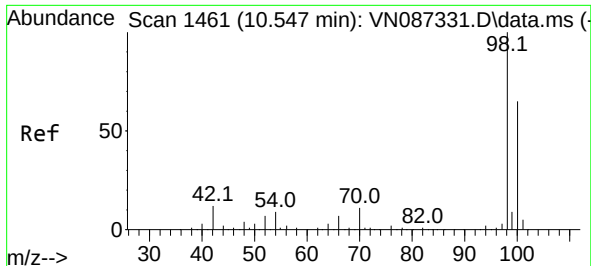
Tgt Ion:117 Resp: 29092
Ion Ratio Lower Upper
117 100
119 4.8 80.2 120.2#
121 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 0.589 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 41 Resp: 2811
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 43.6 45.5 68.3#

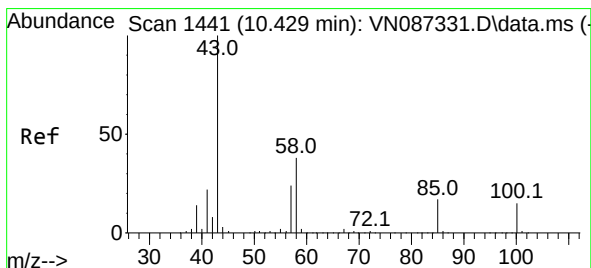
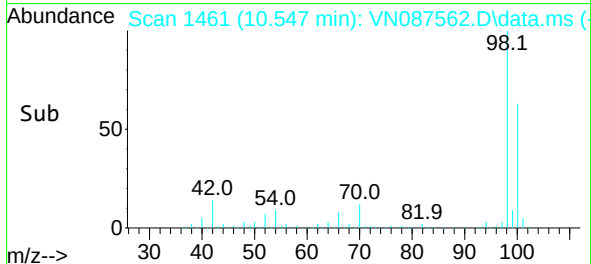
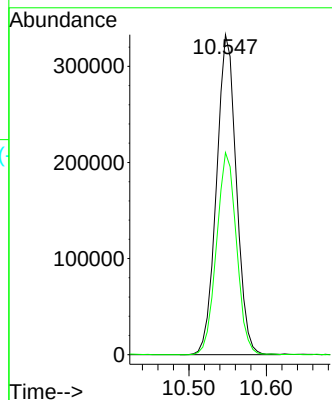
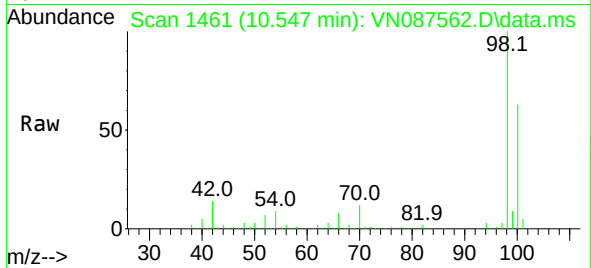




#50
Toluene-d8
Concen: 46.461 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

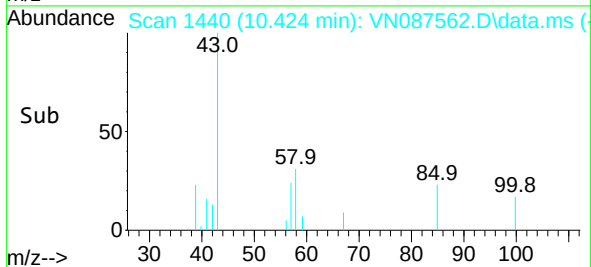
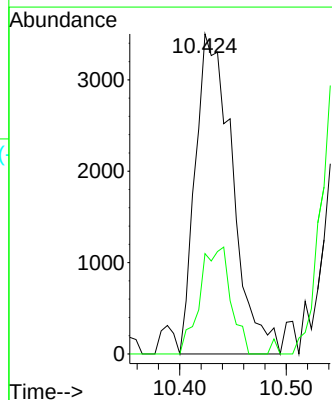
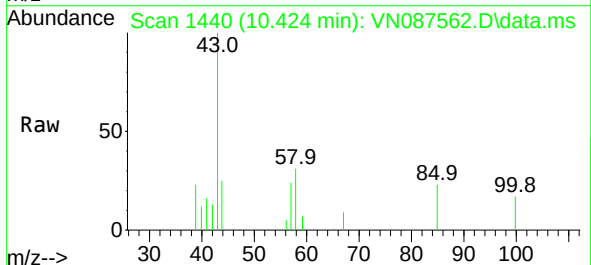
Instrument :
MSVOA_N
ClientSampleId :

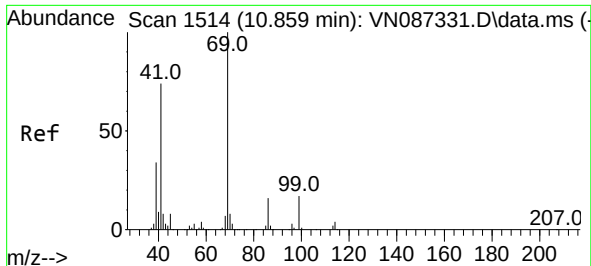
Tgt Ion: 98 Resp: 593014
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.005 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

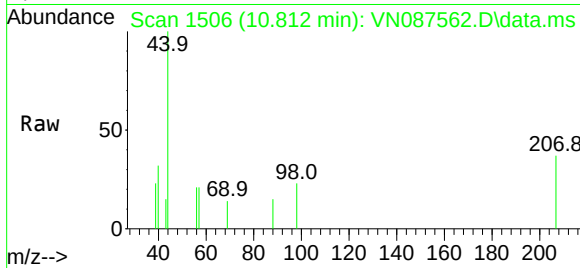
Tgt Ion: 43 Resp: 8421
Ion Ratio Lower Upper
43 100
58 27.9 30.8 46.2#



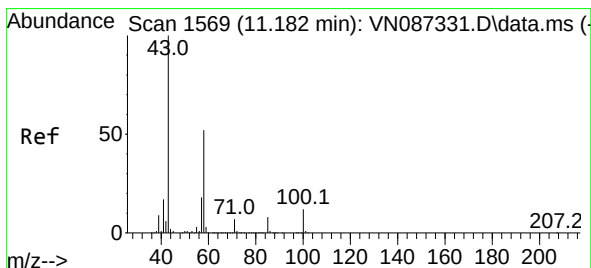
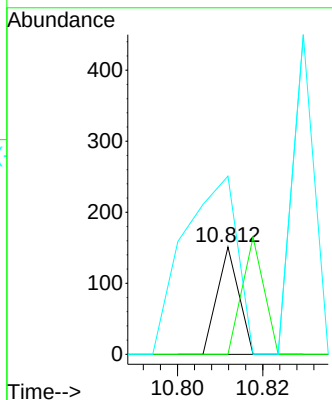
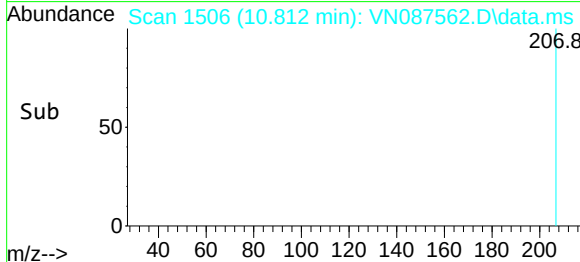


#56
Ethyl methacrylate
Concen: 0.643 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.047 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

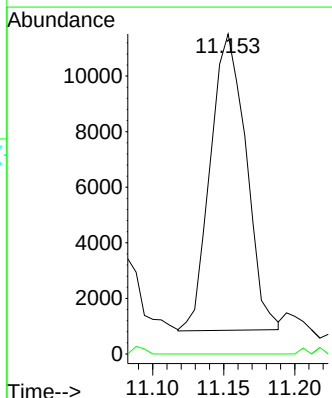
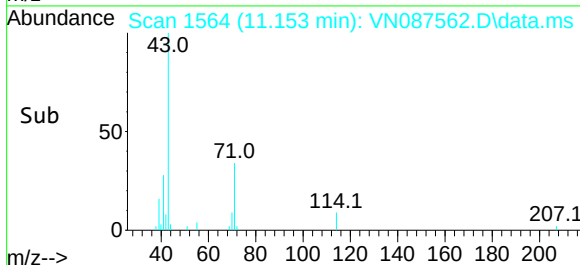
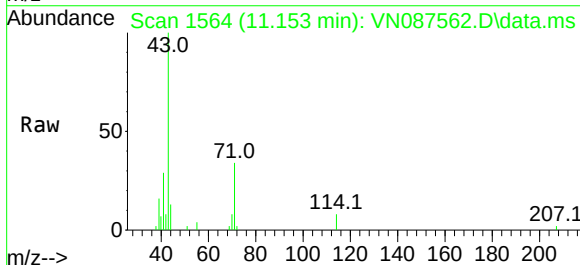


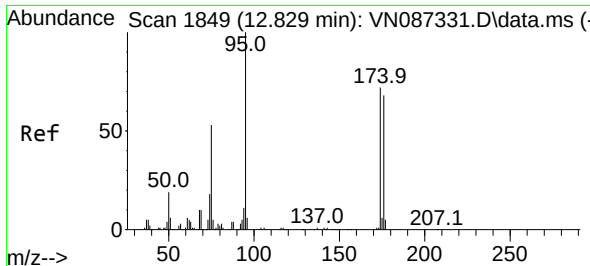
Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 0.0 55.1 82.7#
39 413.2 27.9 41.9#



#59
2-Hexanone
Concen: 4.201 ug/l
RT: 11.153 min Scan# 1564
Delta R.T. -0.029 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 43 Resp: 18683
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.0#

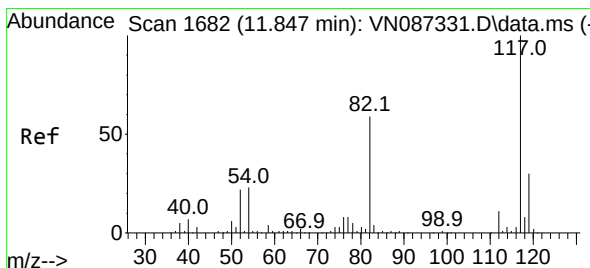
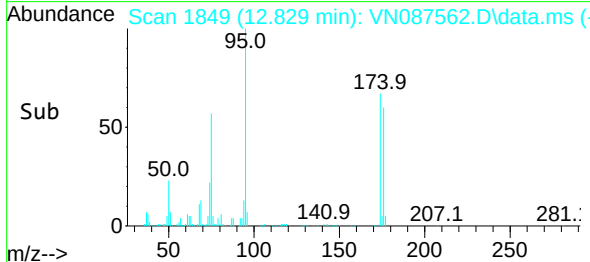
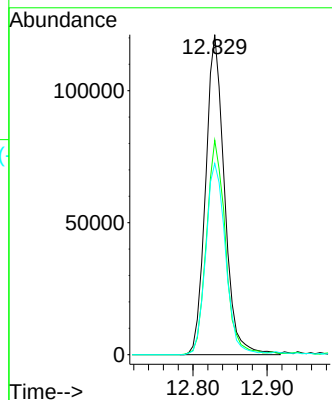
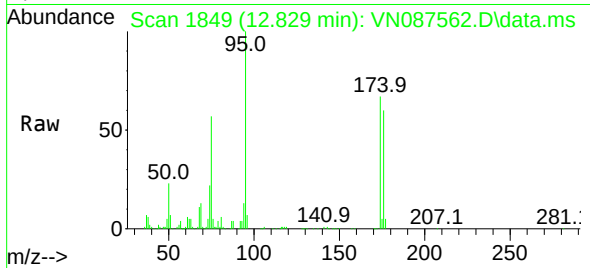




#62
4-Bromofluorobenzene
Concen: 45.376 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

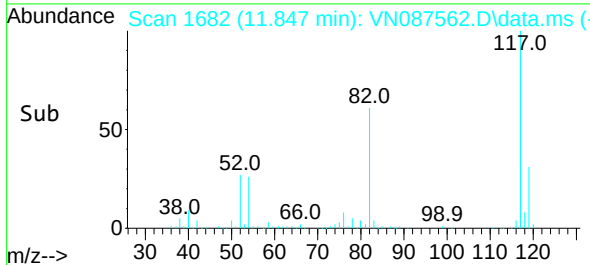
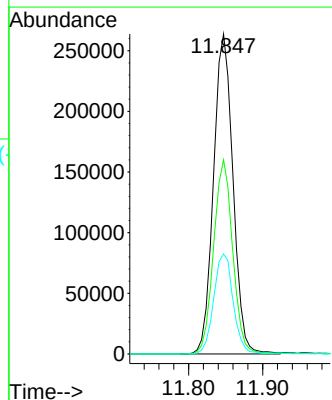
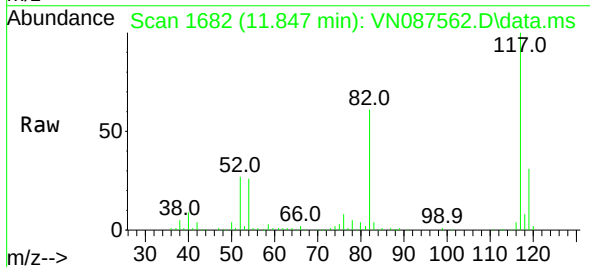
Instrument :
MSVOA_N
ClientSampleId :

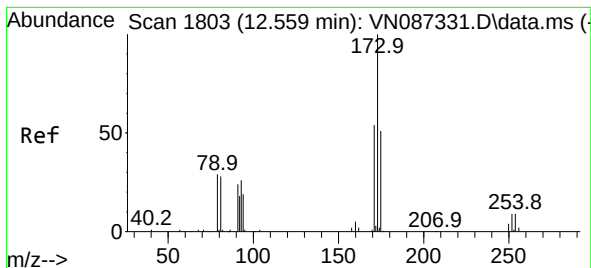
Tgt Ion: 95 Resp: 213976
Ion Ratio Lower Upper
95 100
174 67.2 0.0 149.4
176 62.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 117 Resp: 481565
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.3 23.8 35.8





#71

Bromoform

Concen: 0.284 ug/l

RT: 12.823 min Scan# 1803

Delta R.T. 0.265 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

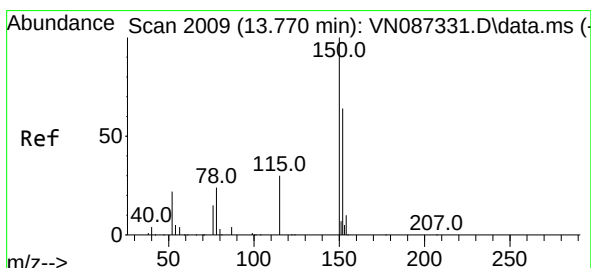
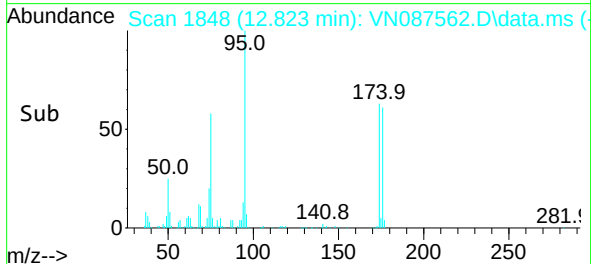
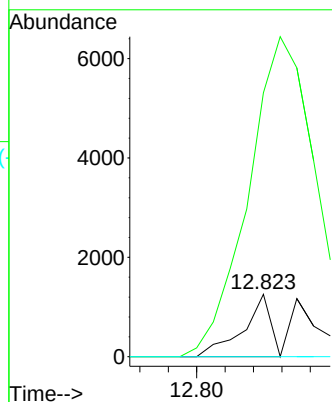
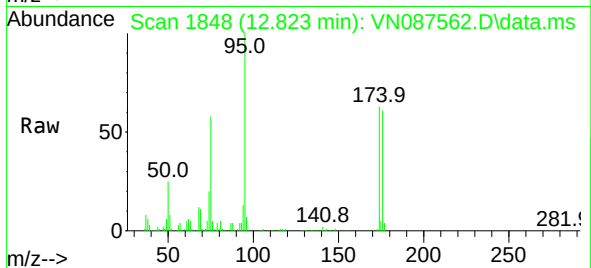
Tgt Ion:173 Resp: 843

Ion Ratio Lower Upper

173 100

175 970.6 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: VN087562.D

Acq: 14 Aug 2025 13:52

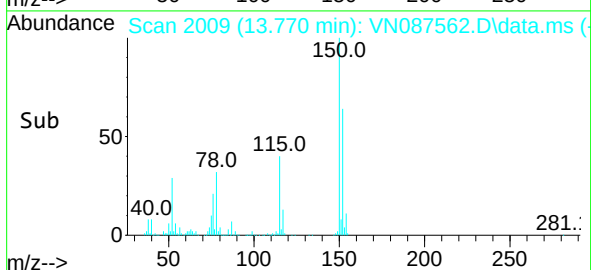
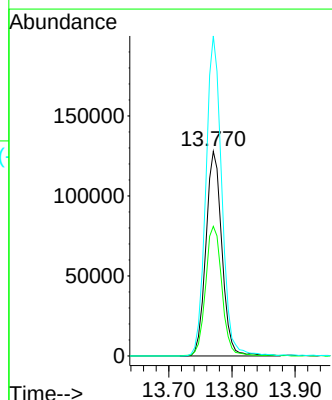
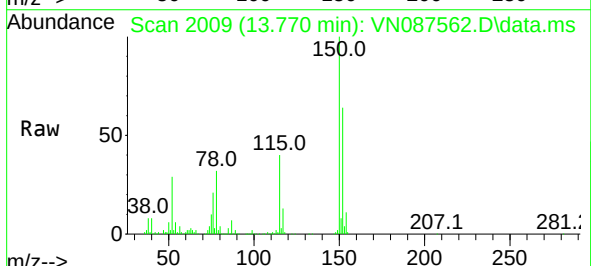
Tgt Ion:152 Resp: 225522

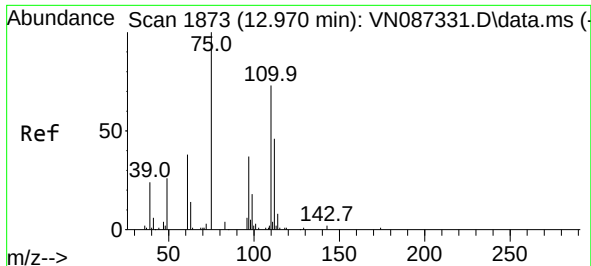
Ion Ratio Lower Upper

152 100

115 64.6 31.1 93.5

150 155.5 0.0 349.0

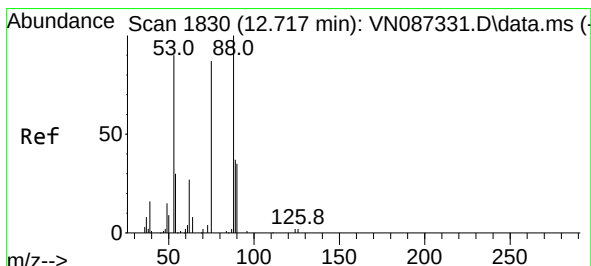
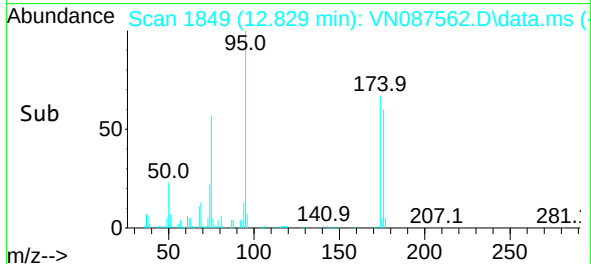
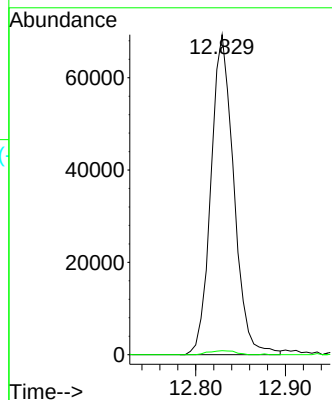
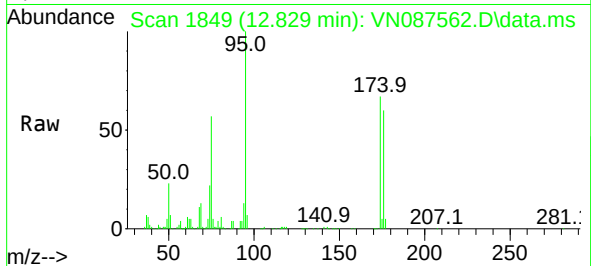




#76
1,2,3-Trichloropropane
Concen: 24.228 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

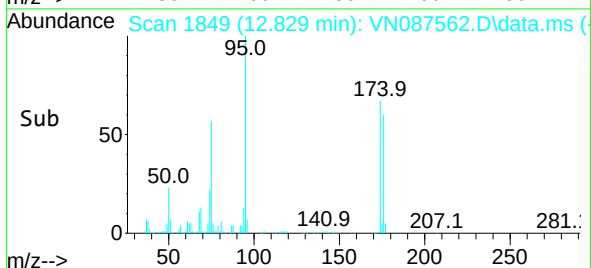
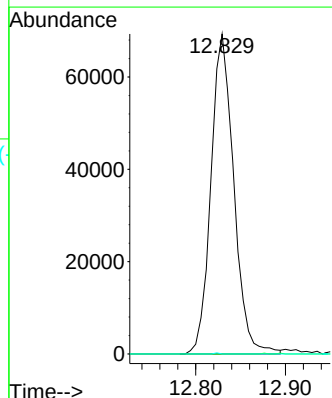
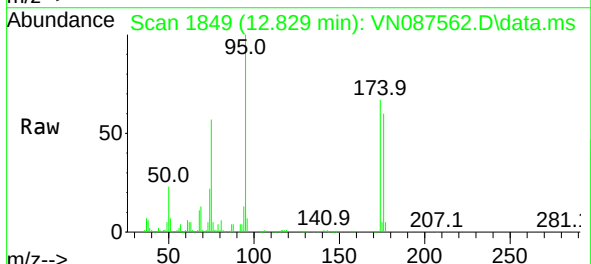
Instrument :
MSVOA_N
ClientSampleId :

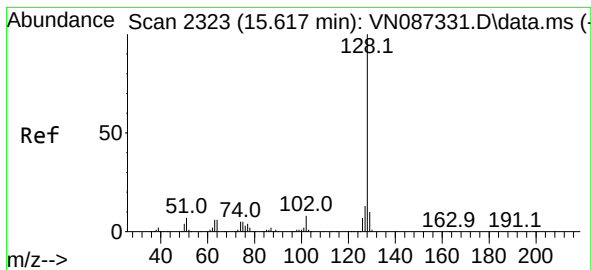
Tgt Ion: 75 Resp: 122525
Ion Ratio Lower Upper
75 100
77 1.5 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.292 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

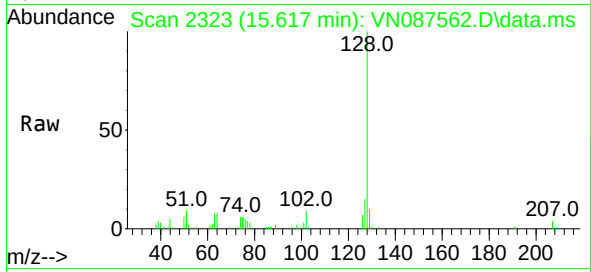
Tgt Ion: 75 Resp: 122525
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.1 38.4 57.6#





#95
 Naphthalene
 Concen: 3.463 ug/l
 RT: 15.617 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087562.D
 Acq: 14 Aug 2025 13:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	49320
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.5	15.7
129	10.9	8.4	12.6

