

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087374.D
 Acq On : 21 Jul 2025 13:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 22 03:06:46 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)

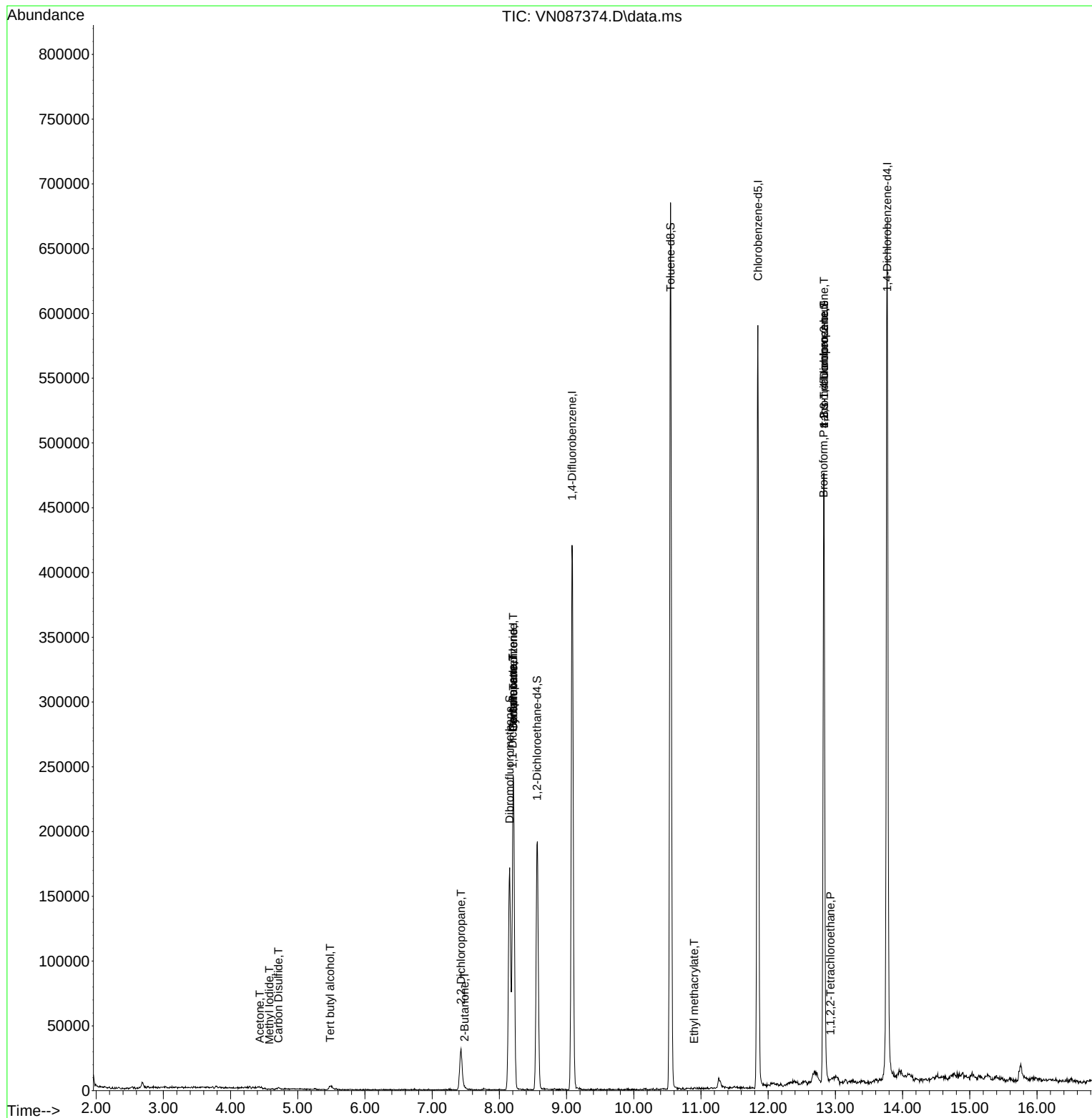
Internal Standards						
1) Pentafluorobenzene	8.206	168	176390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	351521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	331105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	166365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	161730	54.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.080%			
35) Dibromofluoromethane	8.153	113	121727	50.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.400%			
50) Toluene-d8	10.547	98	448956	51.905	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.829	95	162391	50.817	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.640%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.577	142	55	5.658	ug/l #	40
11) Tert butyl alcohol	5.483	59	1577	2.775	ug/l #	72
16) Acetone	4.436	43	1281	0.913	ug/l #	66
17) Carbon Disulfide	4.712	76	3165	0.530	ug/l #	71
20) Methylene Chloride	5.242	84	238	Below Cal	#	51
25) 2-Butanone	7.483	43	459	0.212	ug/l #	51
26) 2,2-Dichloropropane	7.430	77	2306	0.672	ug/l #	54
31) Cyclohexane	8.206	56	4304	1.170	ug/l #	28
36) 1,1-Dichloropropene	8.200	75	15386	4.803	ug/l #	50
38) Carbon Tetrachloride	8.206	117	18493	5.240	ug/l #	15
56) Ethyl methacrylate	10.900	69	77	0.653	ug/l #	1
71) Bromoform	12.823	173	679	0.333	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.929	83	1054	0.268	ug/l #	38
76) 1,2,3-Trichloropropane	12.829	75	90022	24.131	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	90022	66.025	ug/l #	8

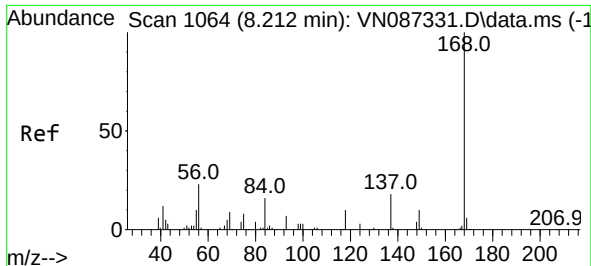
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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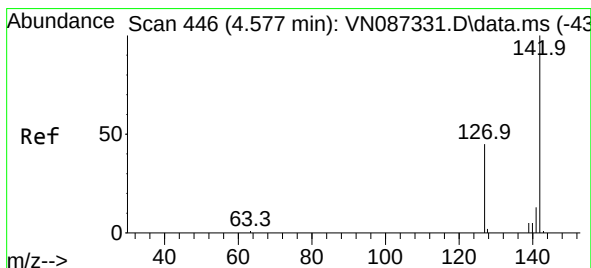
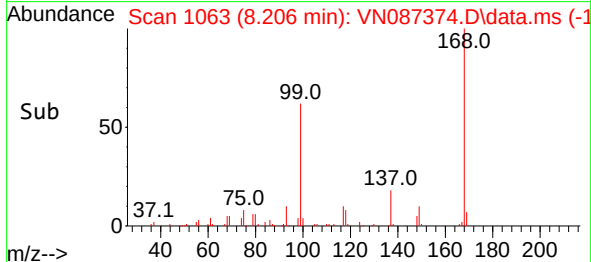
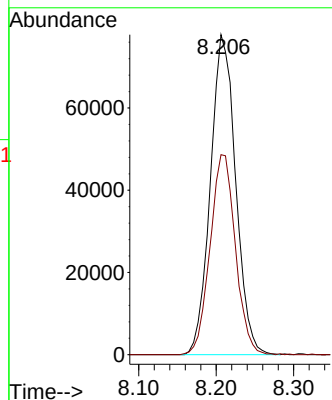
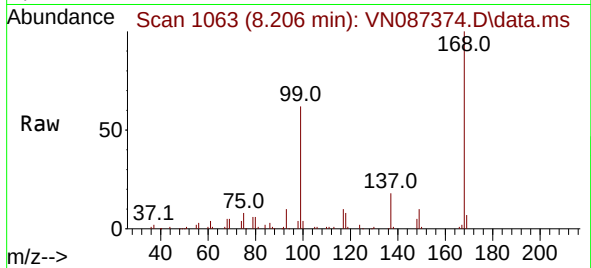




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

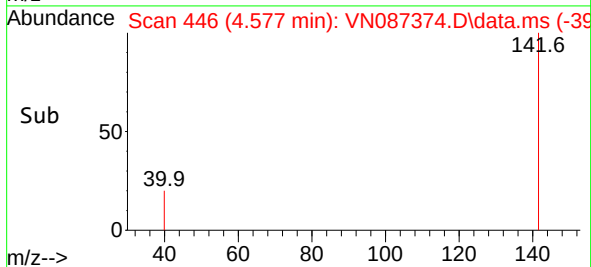
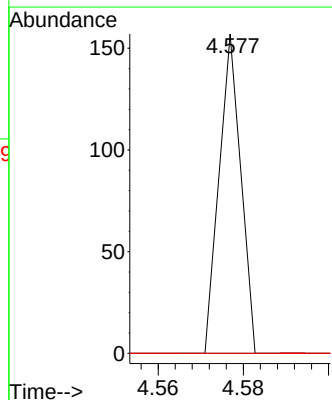
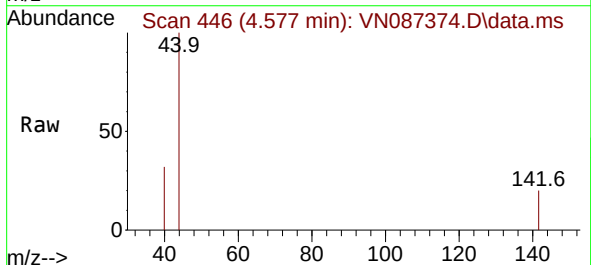
Instrument :
MSVOA_N
ClientSampleId :
IBLK

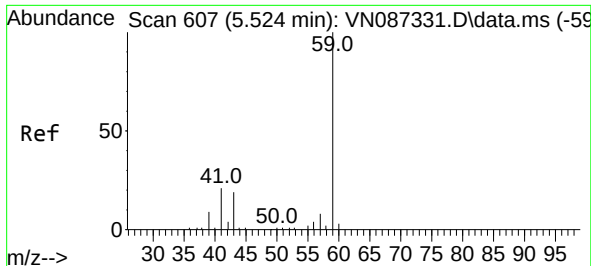
Tgt Ion:168 Resp: 176390
Ion Ratio Lower Upper
168 100
99 62.5 47.9 71.9



#10
Methyl Iodide
Concen: 5.658 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

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#

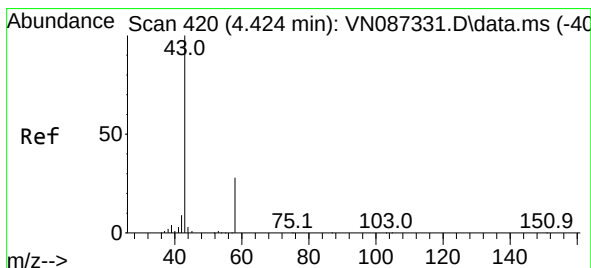
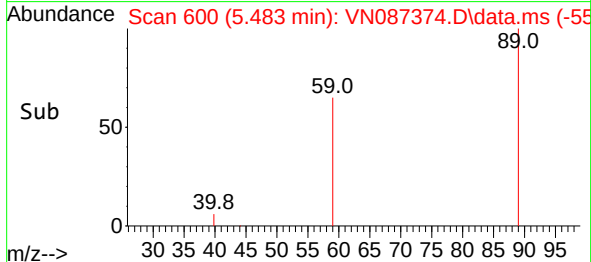
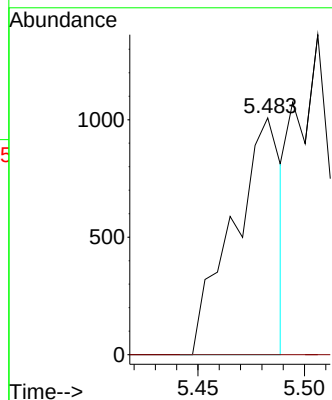
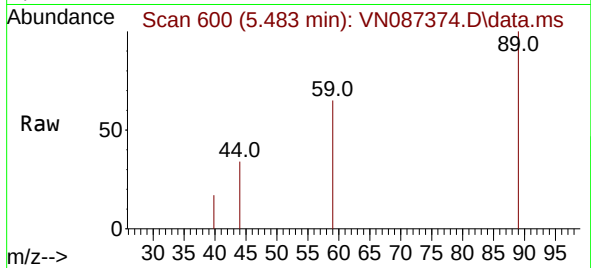




#11
Tert butyl alcohol
Concen: 2.775 ug/l
RT: 5.483 min Scan# 607
Delta R.T. -0.041 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

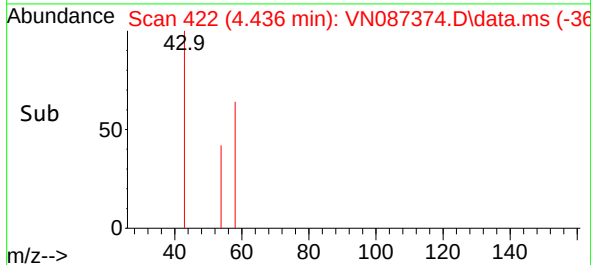
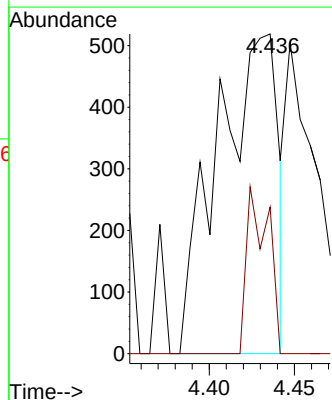
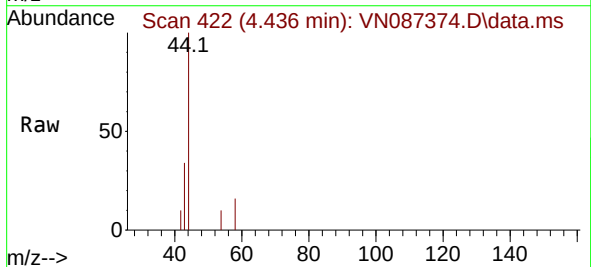
Instrument :
MSVOA_N
ClientSampleId :
IBLK

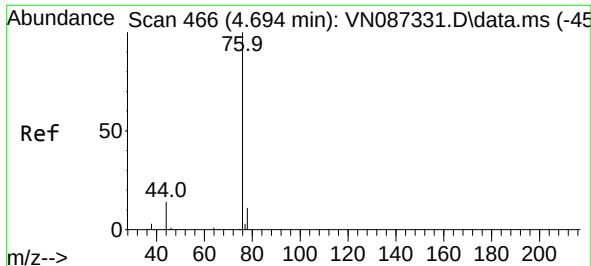
Tgt Ion: 59 Resp: 1577
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.913 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 45.9 22.3 33.5#

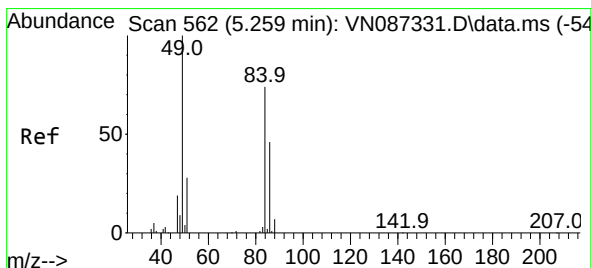
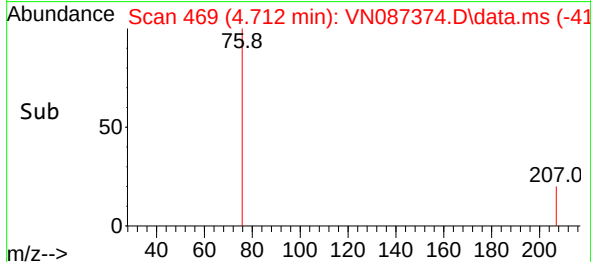
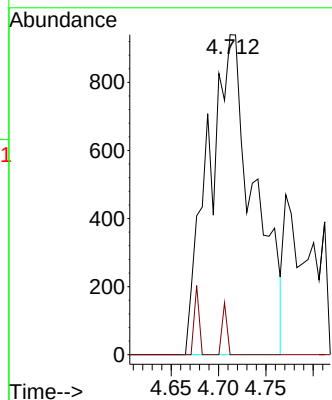
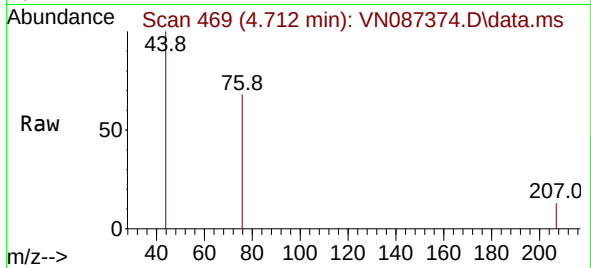




#17
Carbon Disulfide
Concen: 0.530 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

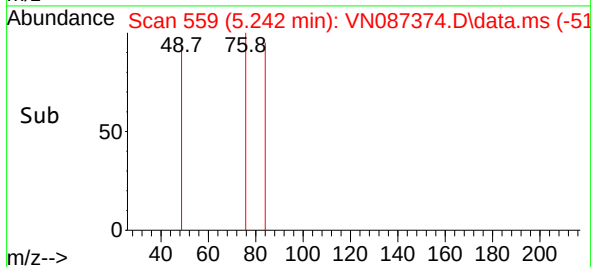
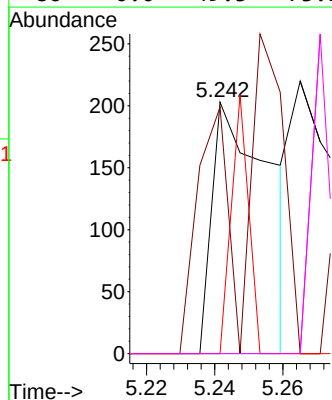
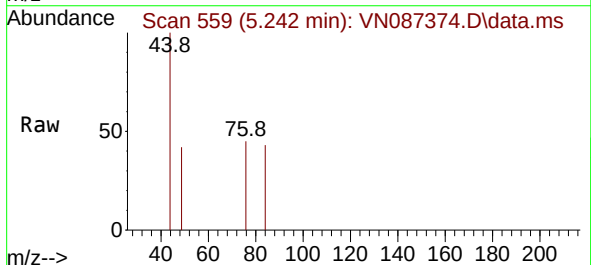
Instrument :
MSVOA_N
ClientSampleId :
IBLK

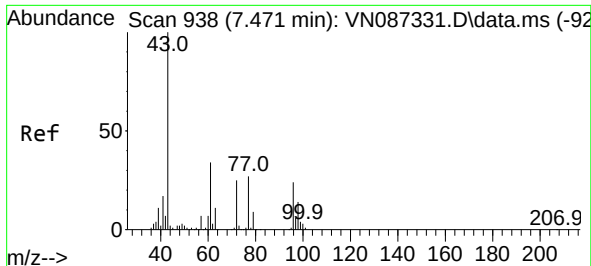
Tgt Ion: 76 Resp: 3165
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.242 min Scan# 559
Delta R.T. -0.017 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 84 Resp: 238
Ion Ratio Lower Upper
84 100
49 98.0 107.5 161.3#
51 0.0 30.2 45.2#
86 0.0 49.3 73.9#

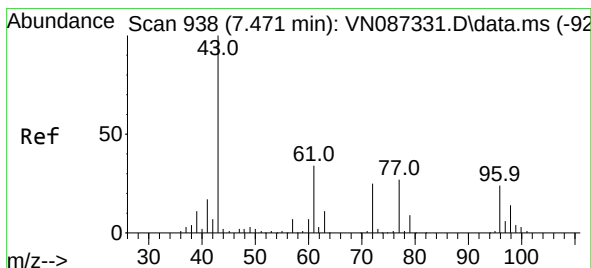
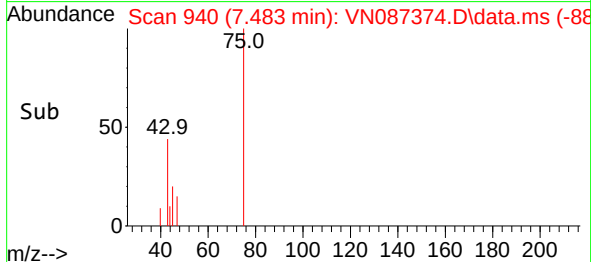
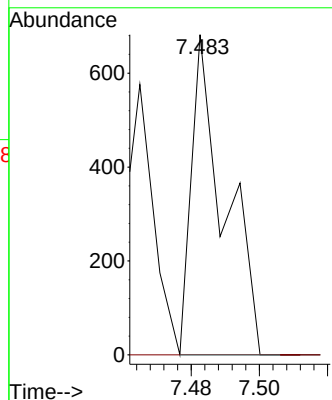
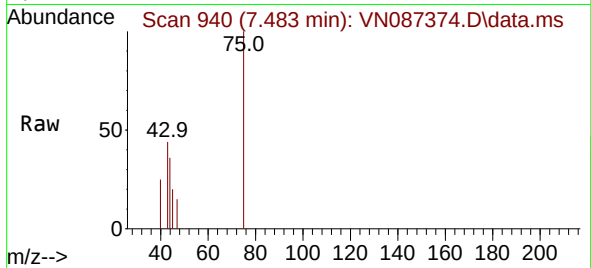




#25
2-Butanone
Concen: 0.212 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

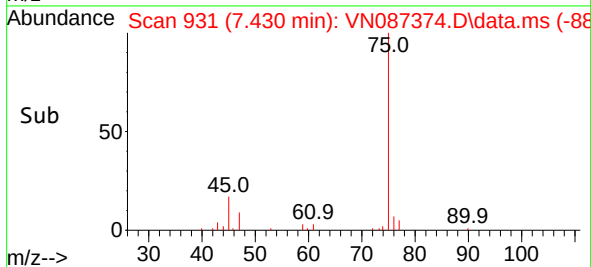
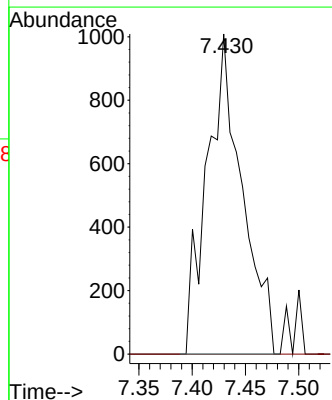
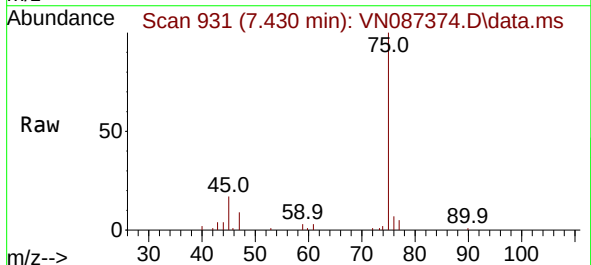
Instrument :
MSVOA_N
ClientSampleId :
IBLK

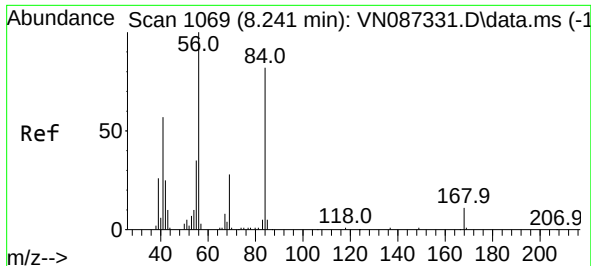
Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#26
2,2-Dichloropropane
Concen: 0.672 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.041 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 77 Resp: 2306
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#

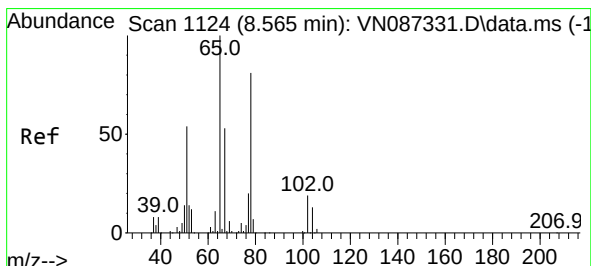
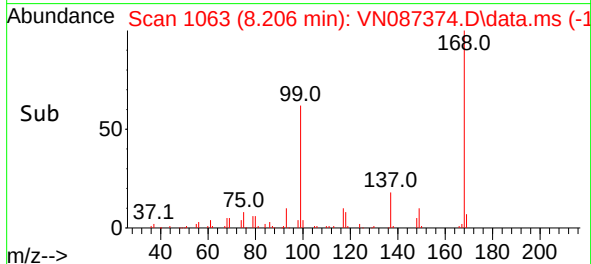
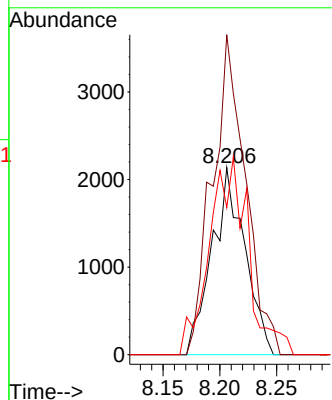
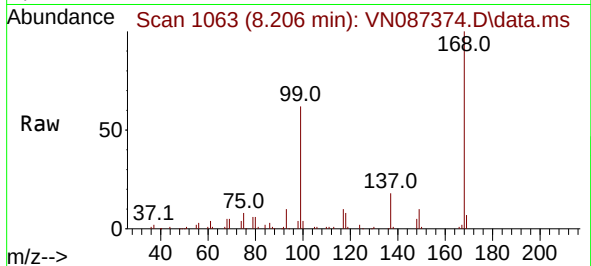




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

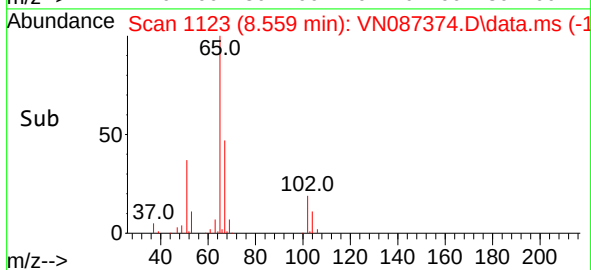
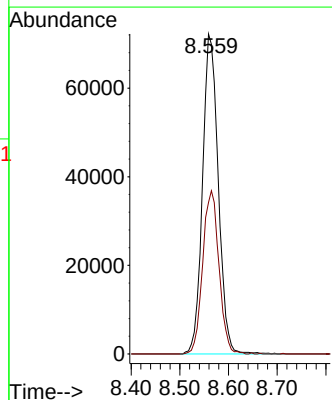
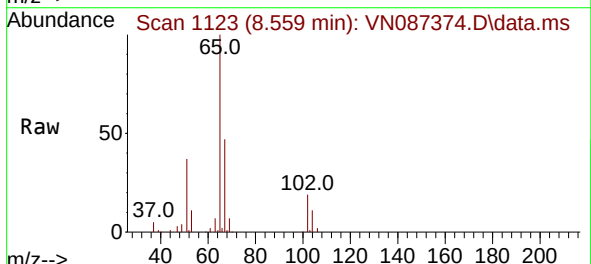
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MSVOA_N
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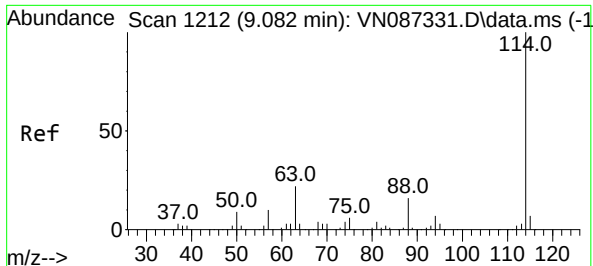
Tgt Ion: 56 Resp: 4304
Ion Ratio Lower Upper
56 100
69 171.1 22.7 34.1#
84 78.6 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 54.037 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 65 Resp: 161730
Ion Ratio Lower Upper
65 100
67 52.7 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: VN087374.D

Acq: 21 Jul 2025 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

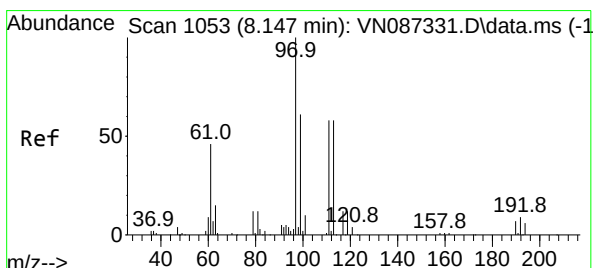
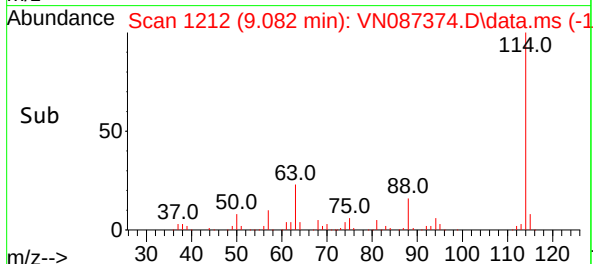
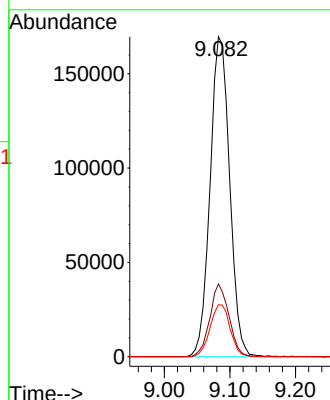
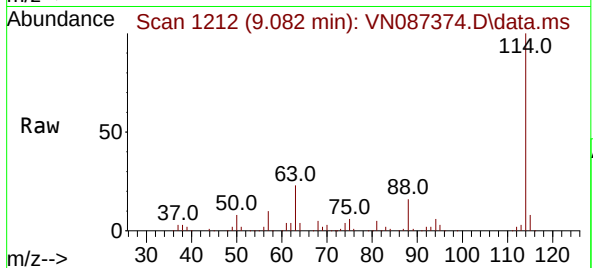
Tgt Ion:114 Resp: 351521

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.201 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

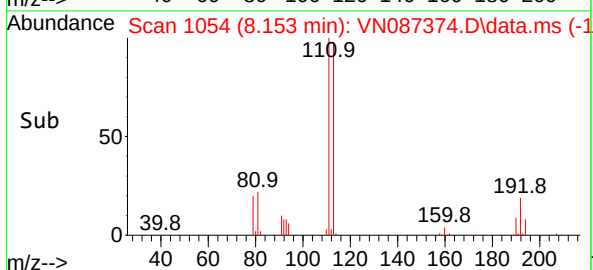
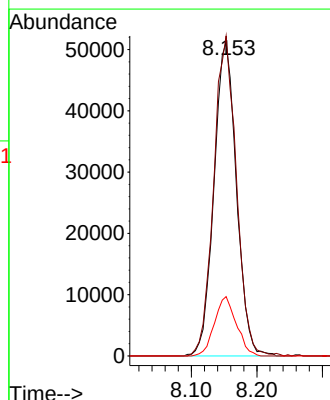
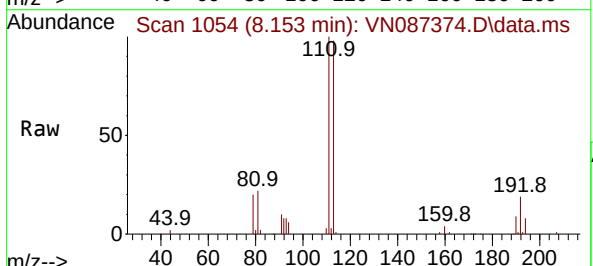
Tgt Ion:113 Resp: 121727

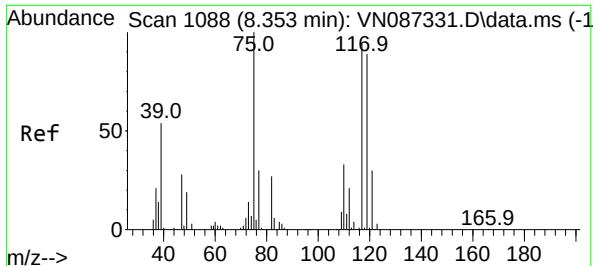
Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

192 18.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.803 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

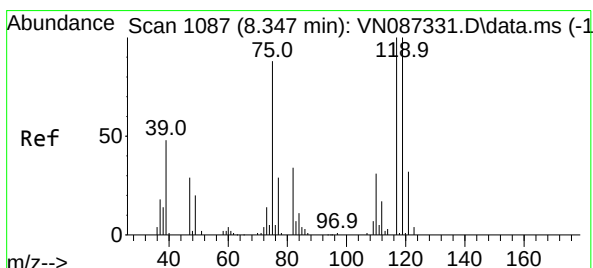
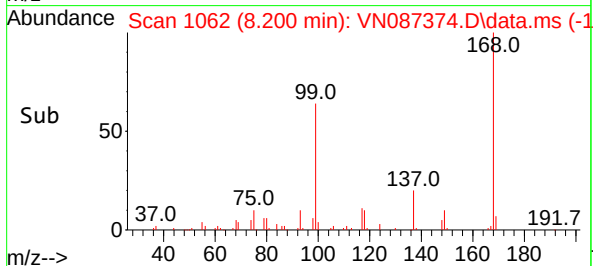
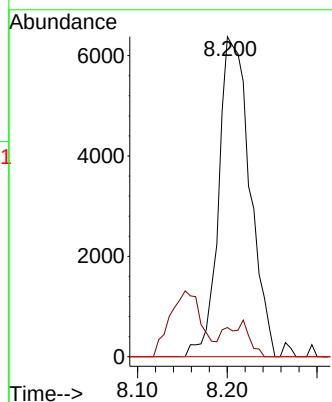
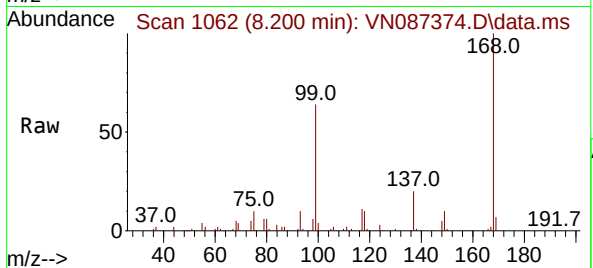
Tgt Ion: 75 Resp: 15386

Ion Ratio Lower Upper

75 100

110 8.3 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.240 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

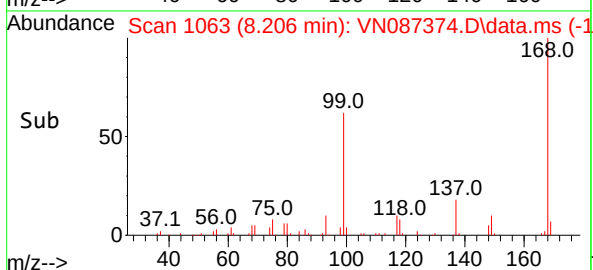
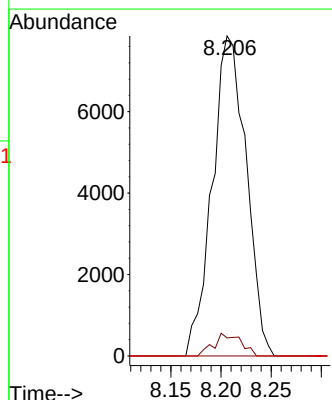
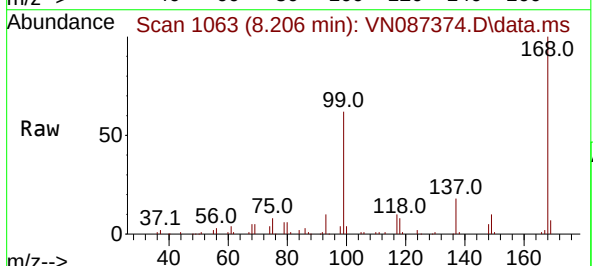
Tgt Ion: 117 Resp: 18493

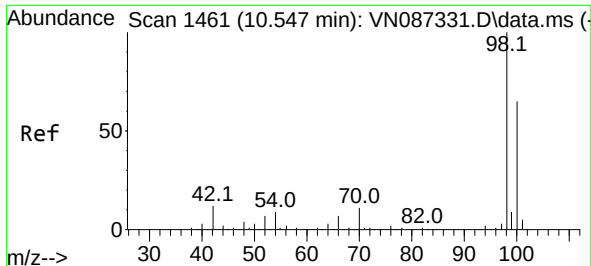
Ion Ratio Lower Upper

117 100

119 5.6 80.2 120.2#

121 0.0 25.4 38.2#

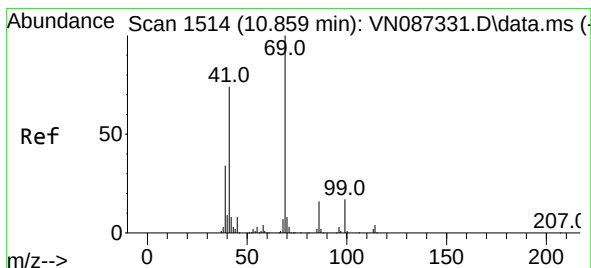
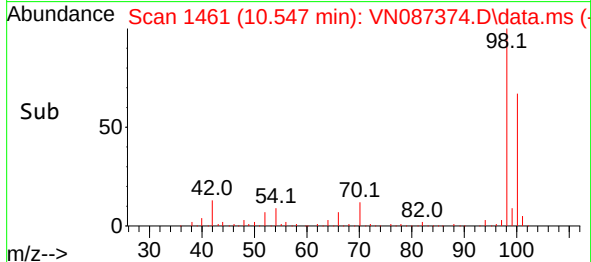
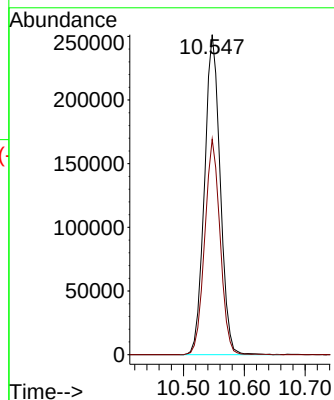
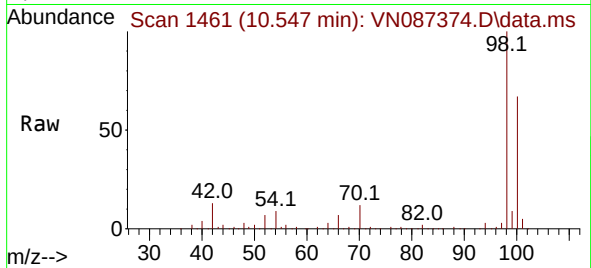




#50
Toluene-d8
Concen: 51.905 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

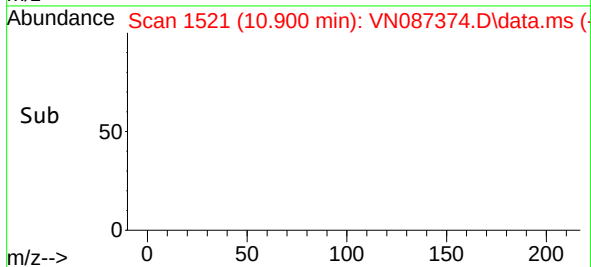
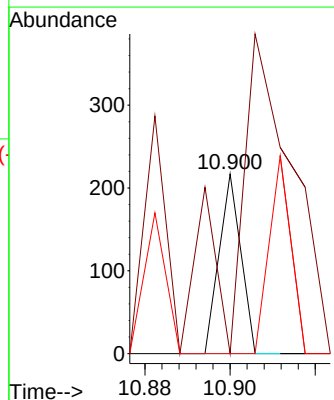
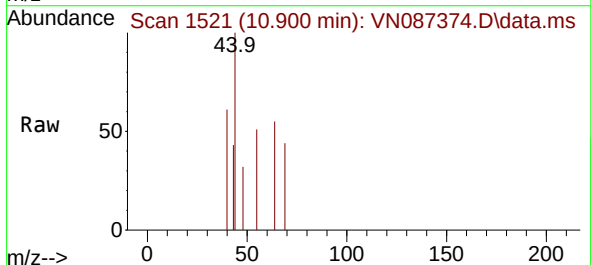
Instrument :
MSVOA_N
ClientSampleId :
IBLK

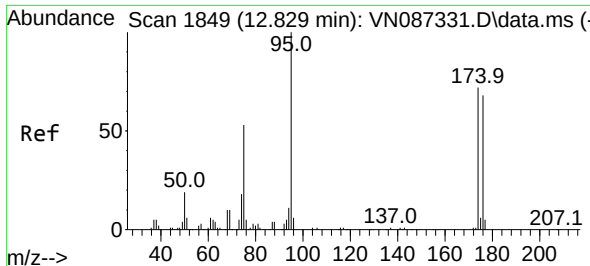
Tgt Ion: 98 Resp: 448956
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#56
Ethyl methacrylate
Concen: 0.653 ug/l
RT: 10.900 min Scan# 1521
Delta R.T. 0.041 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 69 Resp: 77
Ion Ratio Lower Upper
69 100
41 475.3 55.1 82.7#
39 109.1 27.9 41.9#

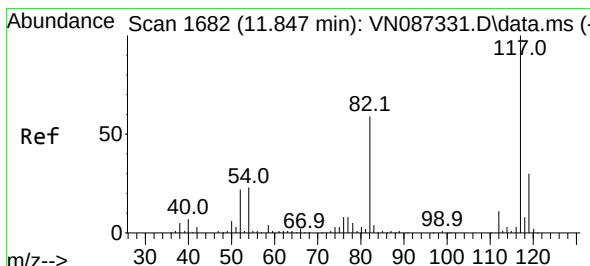
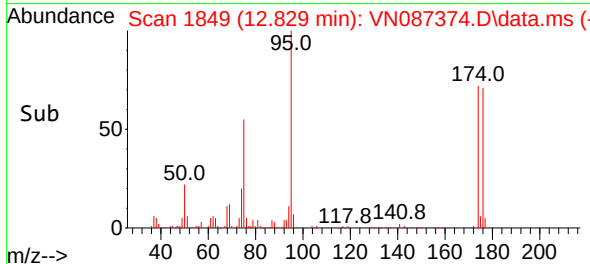
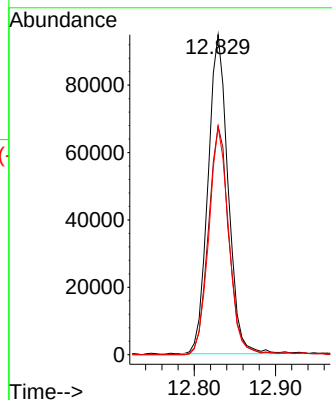
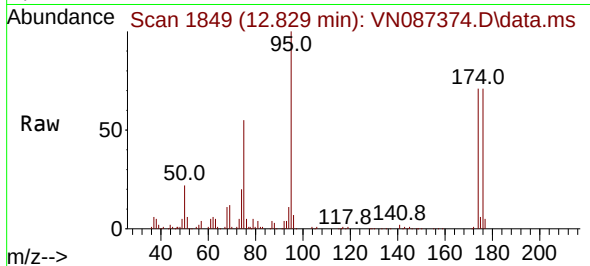




#62
4-Bromofluorobenzene
Concen: 50.817 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

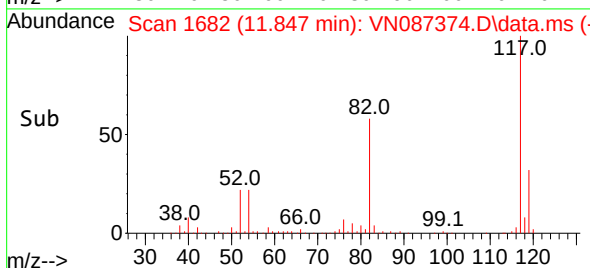
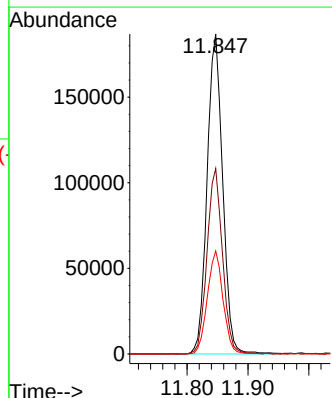
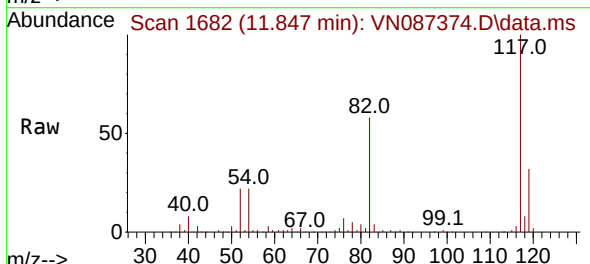
Instrument :
MSVOA_N
ClientSampleId :
IBLK

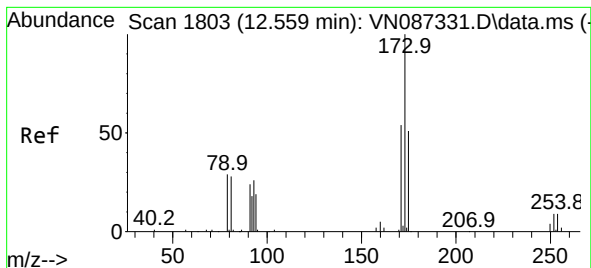
Tgt Ion: 95 Resp: 162391
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.4
176 71.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 117 Resp: 331105
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.2 23.8 35.8





#71

Bromoform

Concen: 0.333 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. 0.265 min

Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

Instrument :

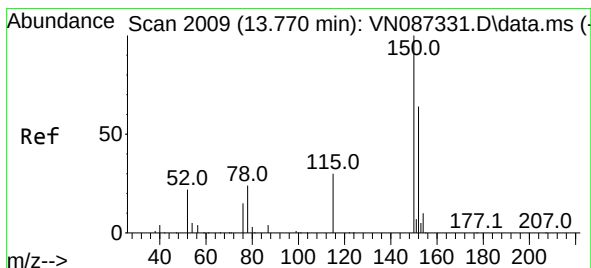
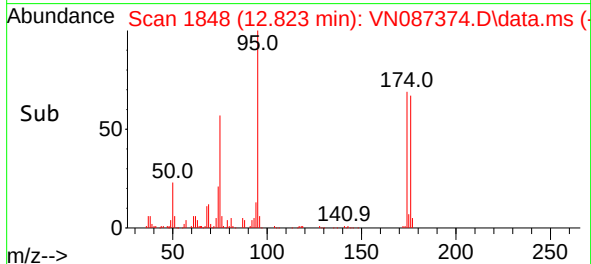
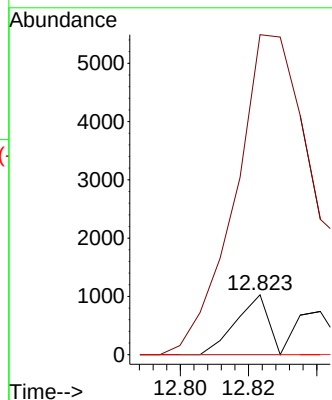
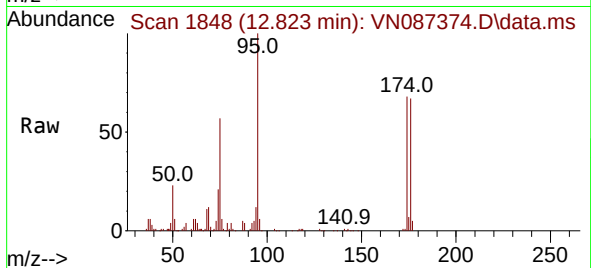
MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:173 Resp: 679

Ion	Ratio	Lower	Upper
173	100		
175	1071.4	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

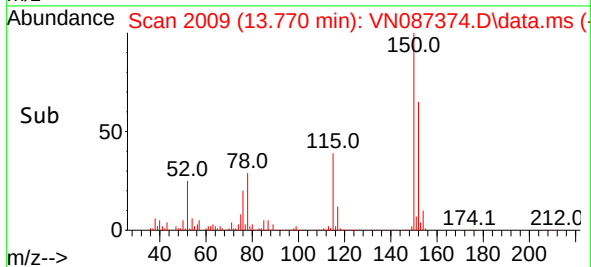
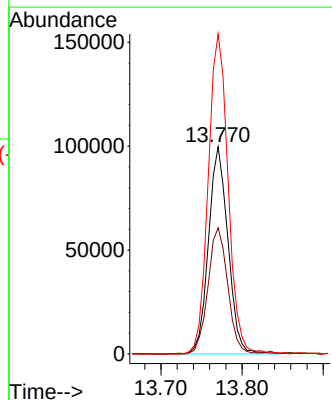
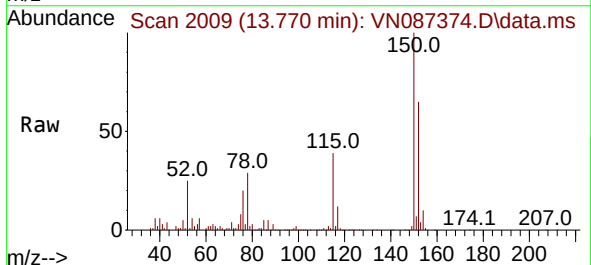
Delta R.T. 0.000 min

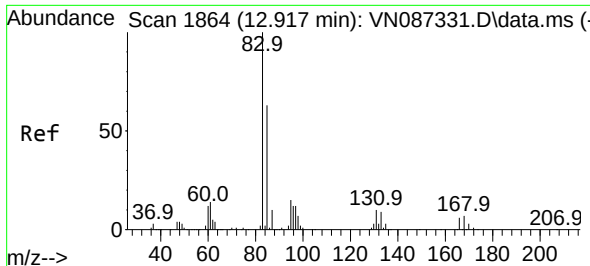
Lab File: VN087374.D

Acq: 21 Jul 2025 13:13

Tgt Ion:152 Resp: 166365

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.1	93.5
150	157.5	0.0	349.0

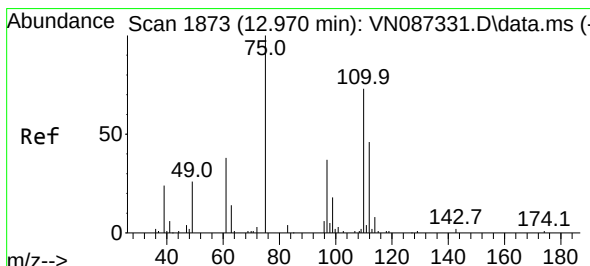
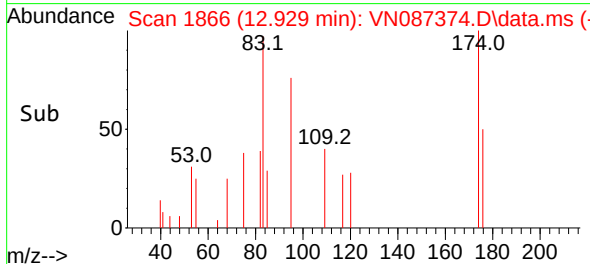
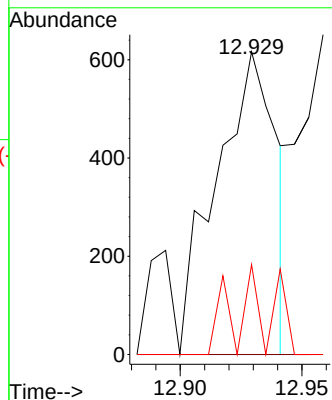
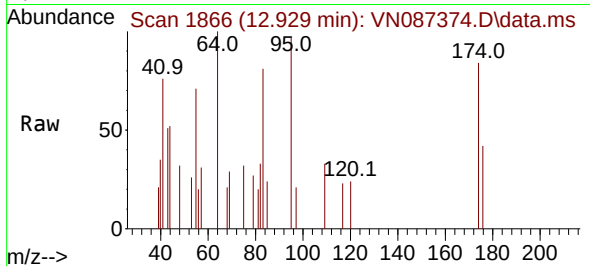




#75
1,1,2,2-Tetrachloroethane
Concen: 0.268 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. 0.012 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

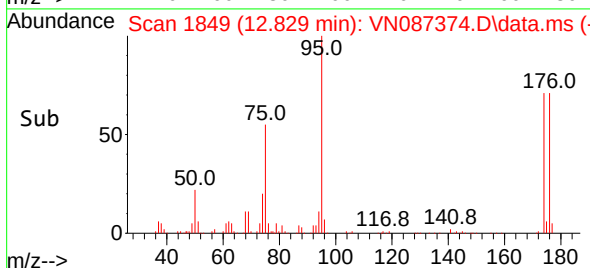
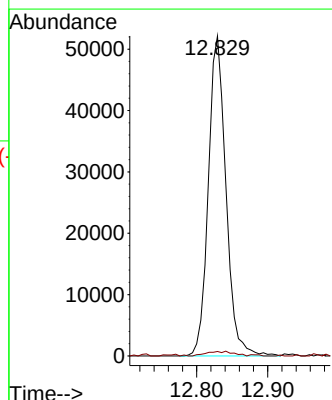
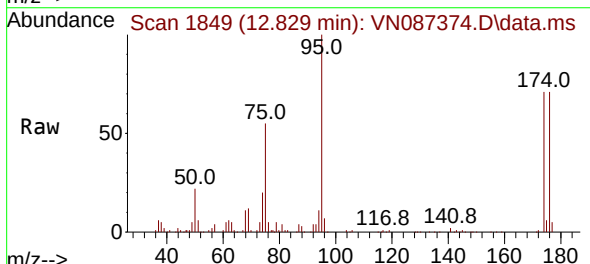
Instrument :
MSVOA_N
ClientSampleId :
IBLK

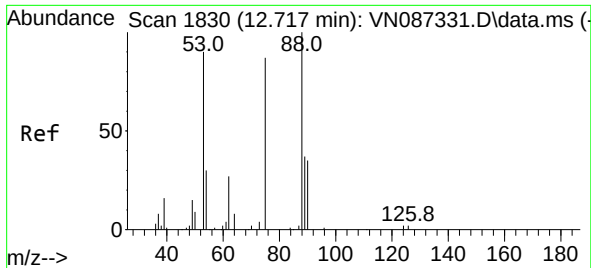
Tgt Ion: 83 Resp: 1054
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 12.0 32.5 97.4#



#76
1,2,3-Trichloropropane
Concen: 24.131 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Tgt Ion: 75 Resp: 90022
Ion Ratio Lower Upper
75 100
77 2.2 94.5 283.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.025 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087374.D
Acq: 21 Jul 2025 13:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 90022
Ion Ratio Lower Upper
75 100
53 0.2 83.5 125.3#
89 0.1 38.4 57.6#

