

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088530.D
 Acq On : 16 Dec 2025 15:47
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Dec 17 01:44:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

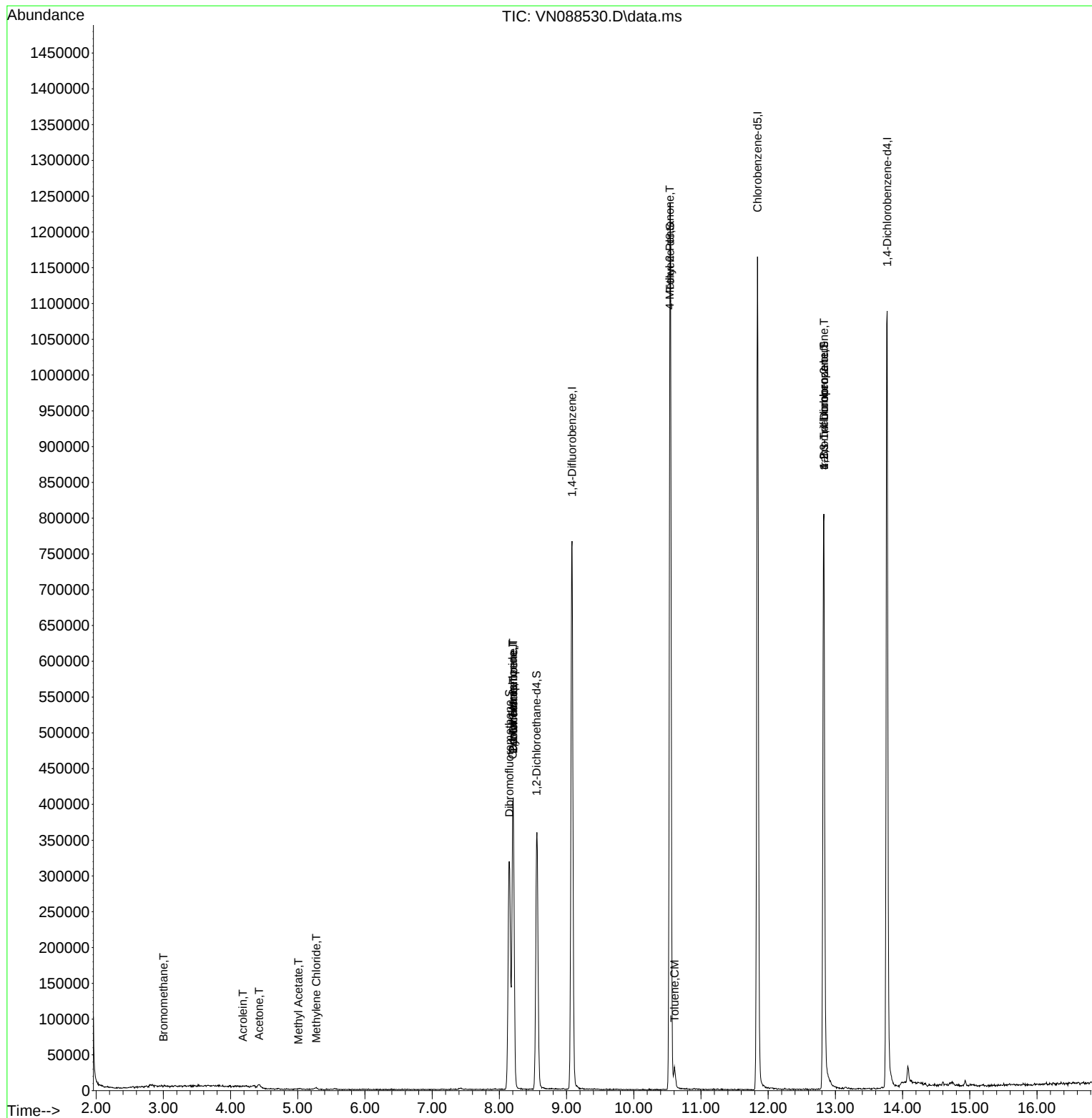
Internal Standards						
1) Pentafluorobenzene	8.206	168	283840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	645368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	645352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	298393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	316042	59.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.220%			
35) Dibromofluoromethane	8.147	113	241276	53.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.900%			
50) Toluene-d8	10.541	98	845561	50.813	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.829	95	315649	55.283	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.560%			
Target Compounds						Qvalue
5) Bromomethane	3.000	94	492	0.219	ug/l #	66
13) Acrolein	4.183	56	240	0.294	ug/l #	73
16) Acetone	4.424	43	10208	5.279	ug/l #	87
18) Methyl Acetate	5.012	43	1591	0.276	ug/l #	71
20) Methylene Chloride	5.277	84	1969	0.476	ug/l #	51
31) Cyclohexane	8.206	56	7883	1.121	ug/l #	8
36) 1,1-Dichloropropene	8.206	75	27035	3.917	ug/l #	51
38) Carbon Tetrachloride	8.200	117	33159	4.826	ug/l #	16
51) 4-Methyl-2-Pentanone	10.535	43	4190	0.513	ug/l #	1
52) Toluene	10.606	92	11108	0.950	ug/l	99
76) 1,2,3-Trichloropropane	12.829	75	173906	24.883	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	173906	70.592	ug/l #	1

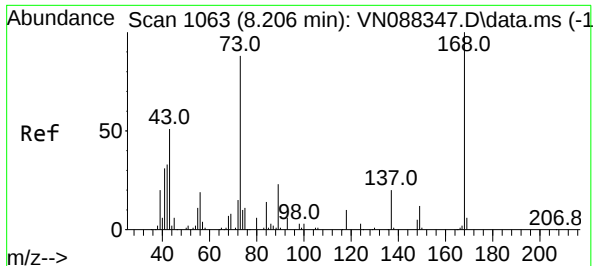
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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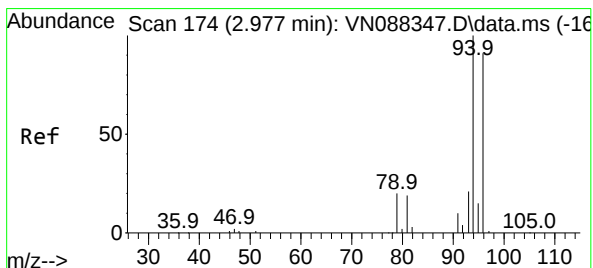
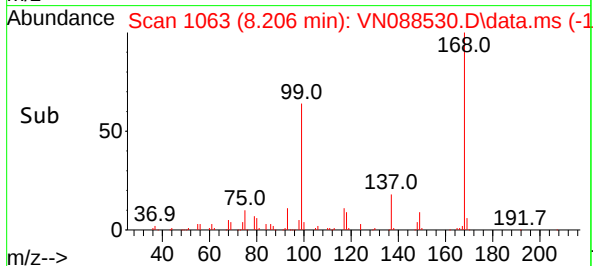
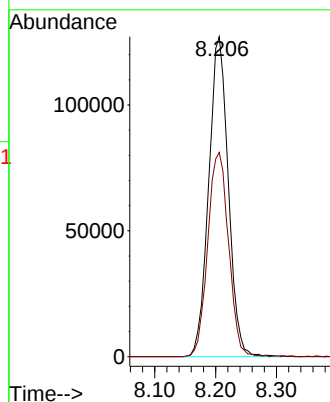
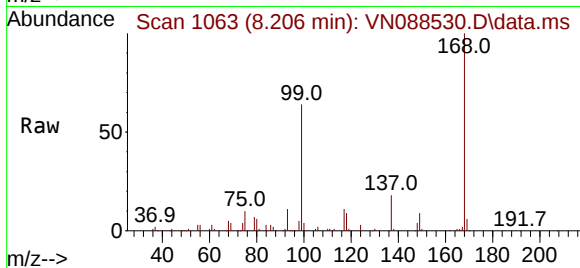




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

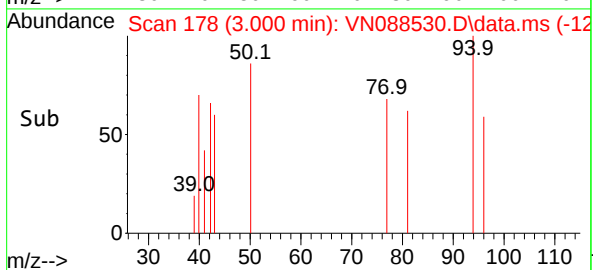
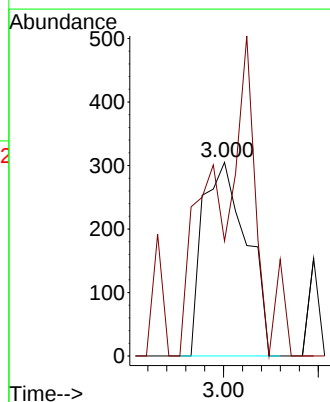
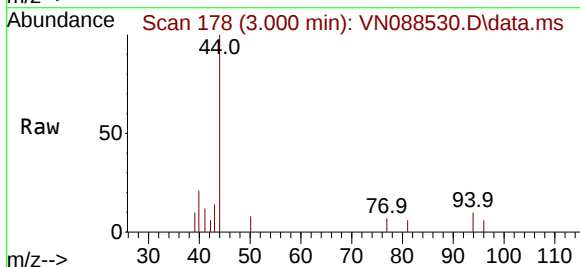
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

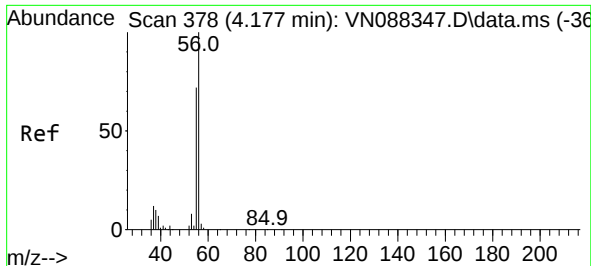
Tgt Ion:168 Resp: 283840
Ion Ratio Lower Upper
168 100
99 63.8 57.1 85.7



#5
Bromomethane
Concen: 0.219 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.024 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 94 Resp: 492
Ion Ratio Lower Upper
94 100
96 59.3 73.2 109.8#

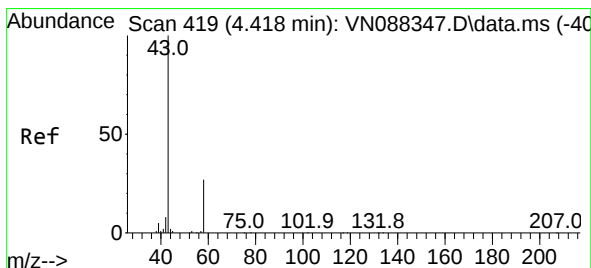
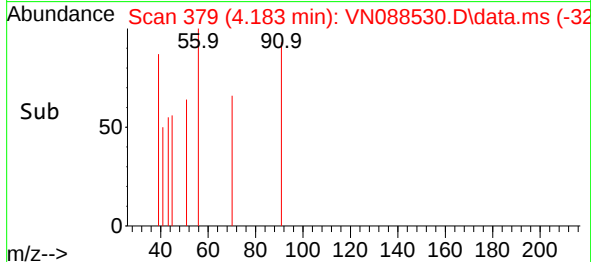
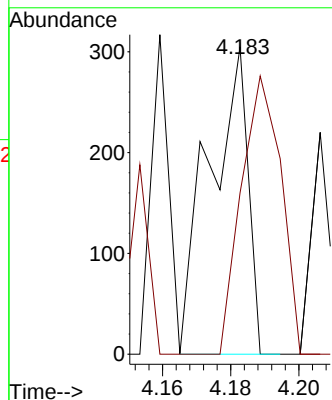
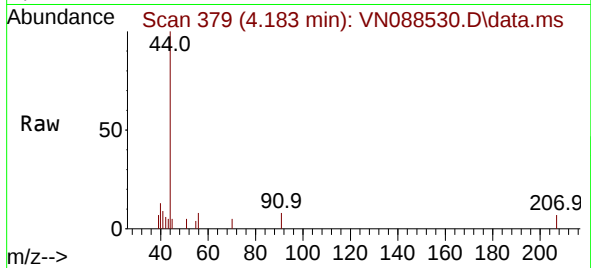




#13
Acrolein
Concen: 0.294 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

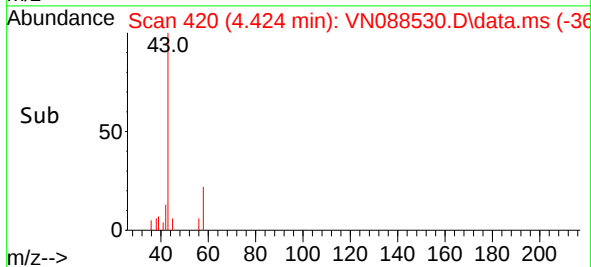
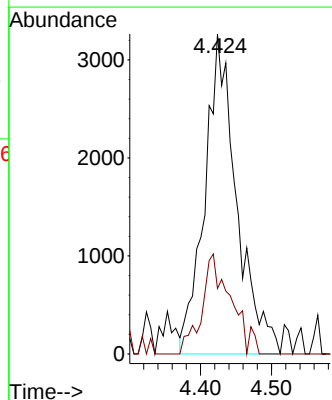
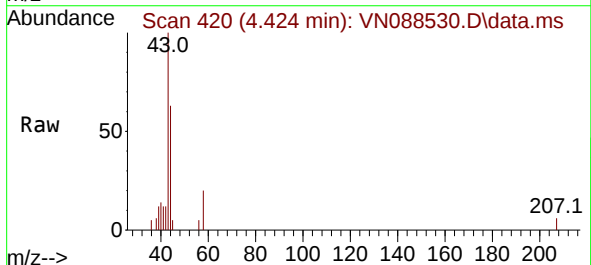
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

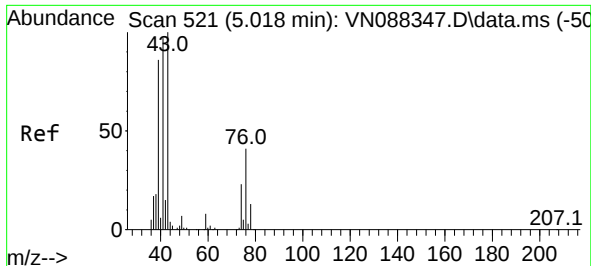
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 92.5 56.3 84.5#



#16
Acetone
Concen: 5.279 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 43 Resp: 10208
Ion Ratio Lower Upper
43 100
58 20.4 21.7 32.5#

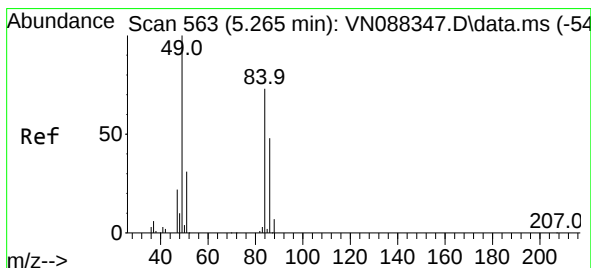
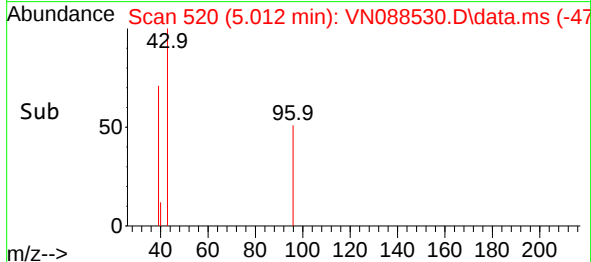
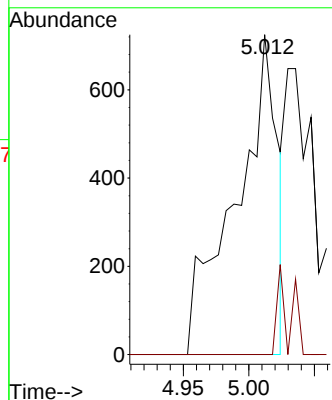
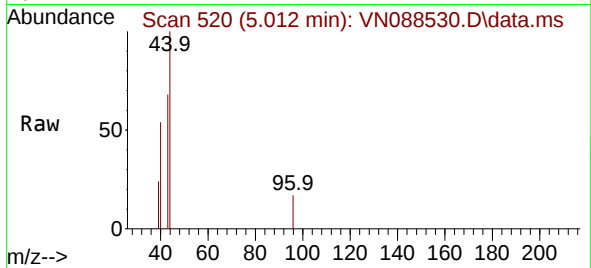




#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

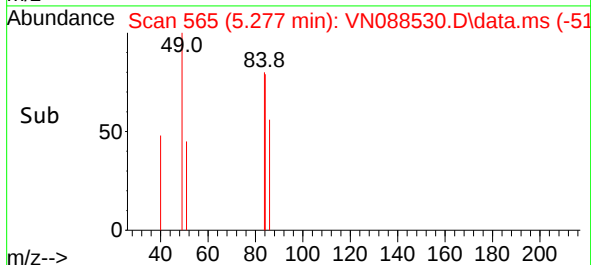
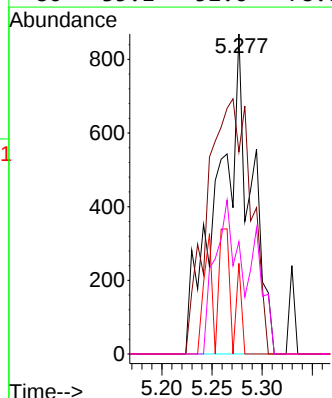
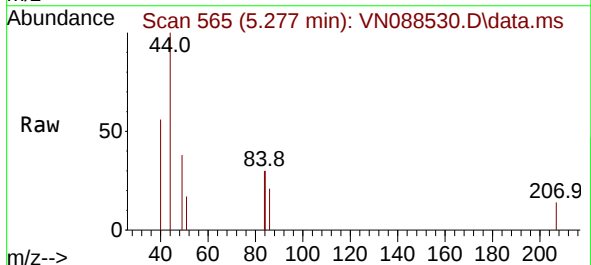
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

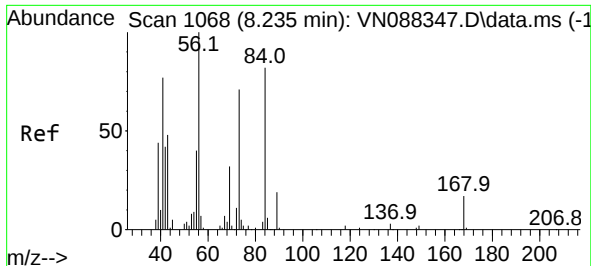
Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
74 8.3 17.9 26.9#



#20
Methylene Chloride
Concen: 0.476 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 84 Resp: 1969
Ion Ratio Lower Upper
84 100
49 63.2 110.2 165.2#
51 28.3 34.1 51.1#
86 35.1 52.6 78.8#

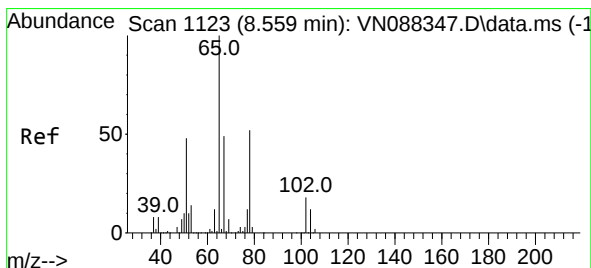
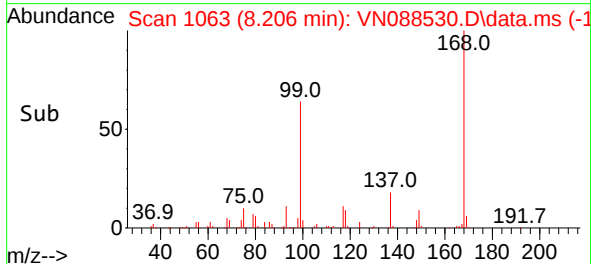
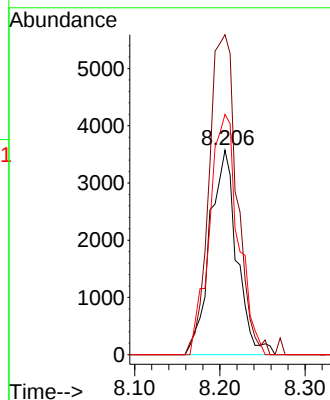
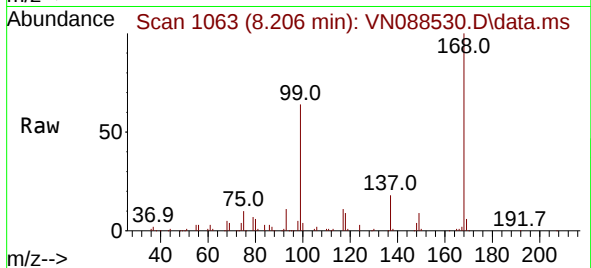




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

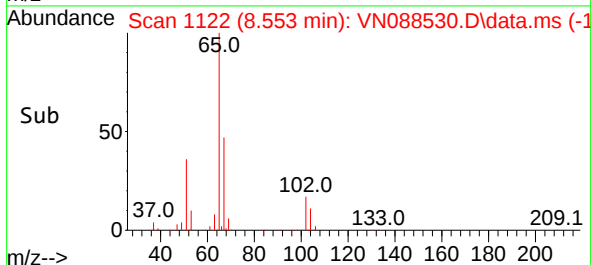
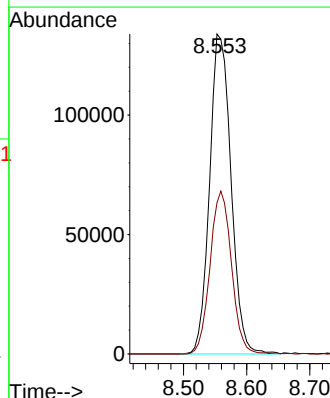
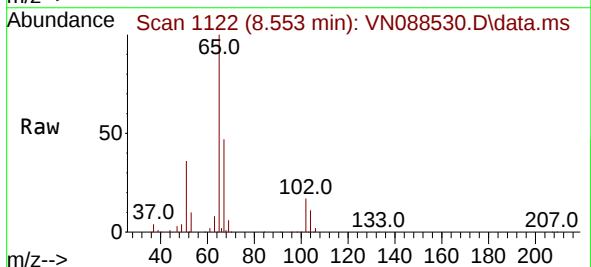
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

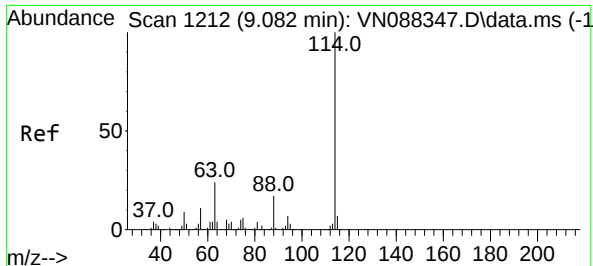
Tgt Ion: 56 Resp: 7883
Ion Ratio Lower Upper
56 100
69 156.6 25.3 37.9#
84 117.6 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 59.107 ug/l
RT: 8.553 min Scan# 1122
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 65 Resp: 316042
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088530.D

Acq: 16 Dec 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

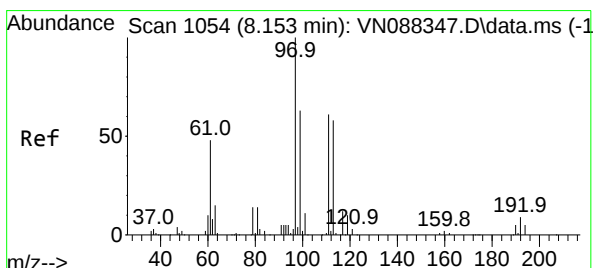
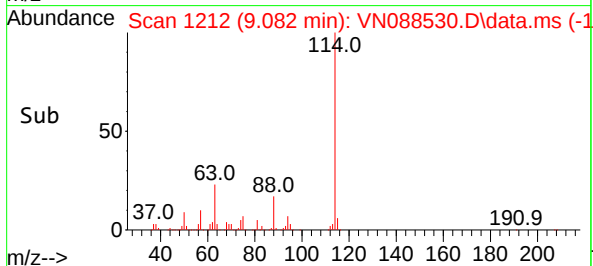
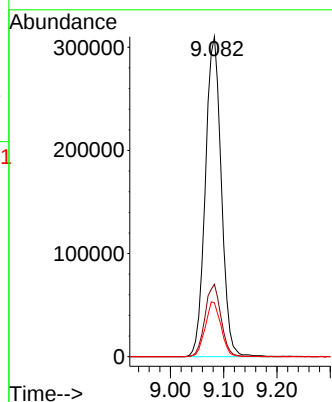
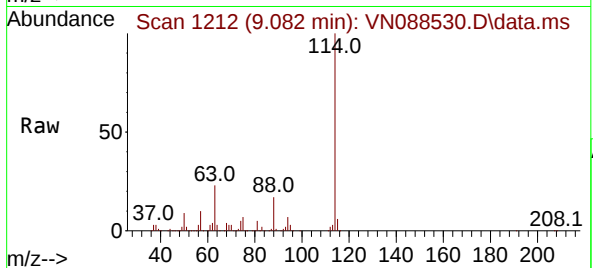
Tgt Ion:114 Resp: 645368

Ion Ratio Lower Upper

114 100

63 22.6 0.0 49.0

88 16.9 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.948 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088530.D

Acq: 16 Dec 2025 15:47

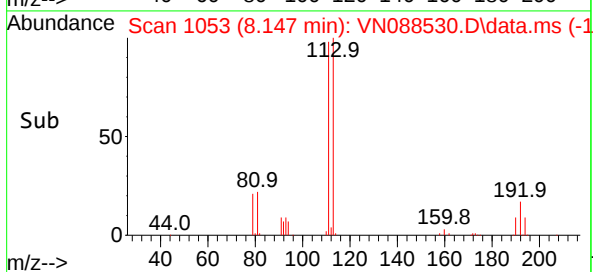
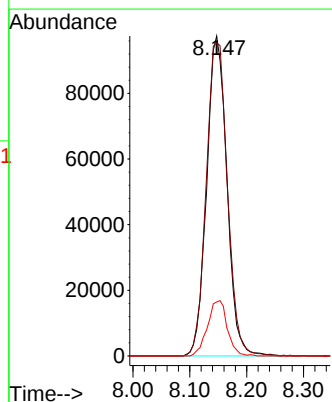
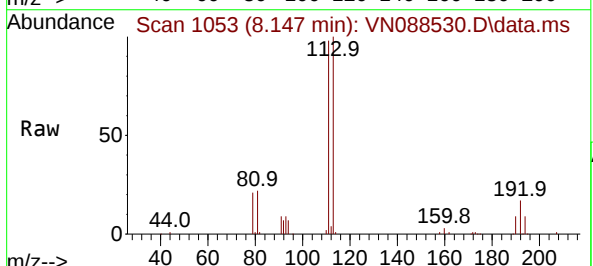
Tgt Ion:113 Resp: 241276

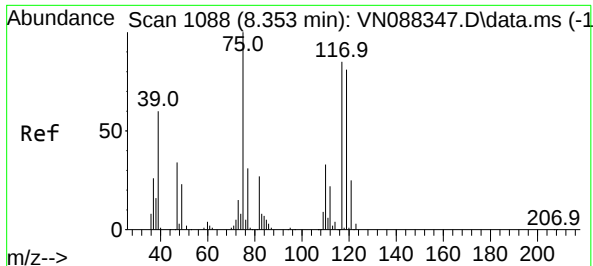
Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

192 16.9 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.917 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN088530.D

Acq: 16 Dec 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

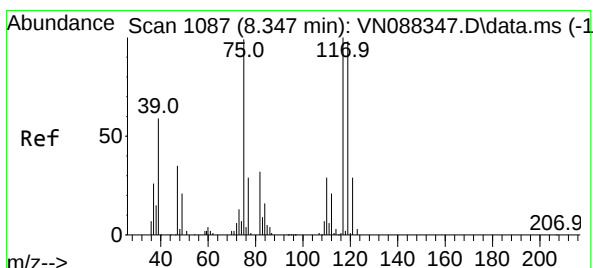
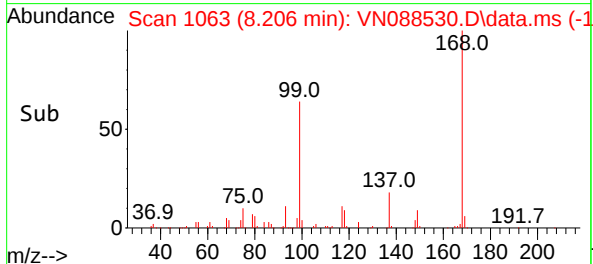
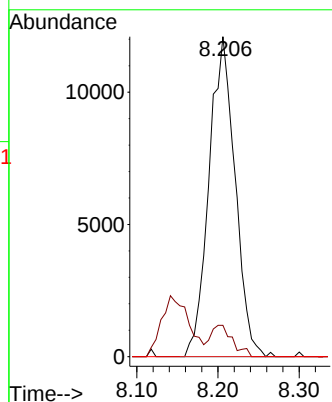
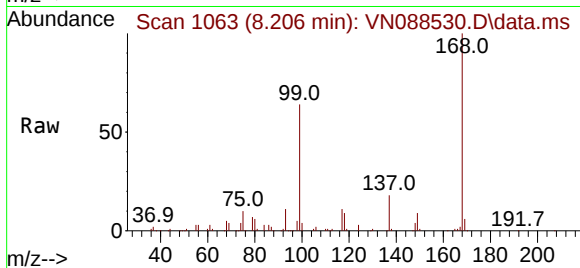
Tgt Ion: 75 Resp: 27035

Ion Ratio Lower Upper

75 100

110 8.3 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.826 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.147 min

Lab File: VN088530.D

Acq: 16 Dec 2025 15:47

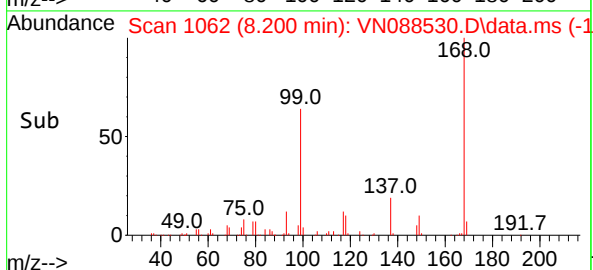
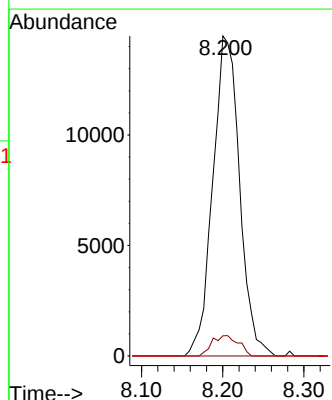
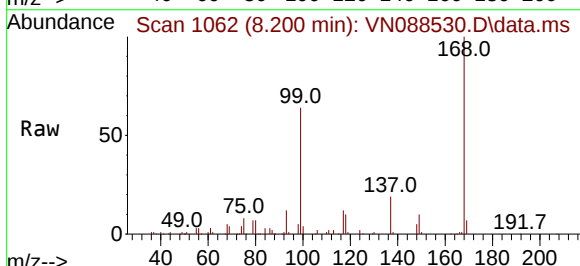
Tgt Ion: 117 Resp: 33159

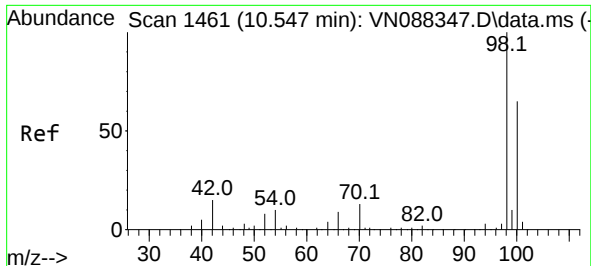
Ion Ratio Lower Upper

117 100

119 6.3 78.2 117.4#

121 0.0 23.4 35.2#

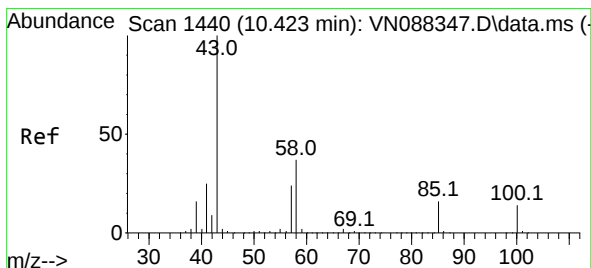
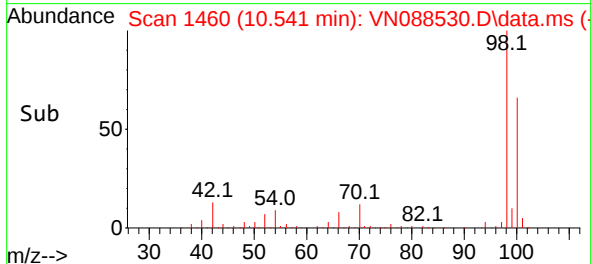
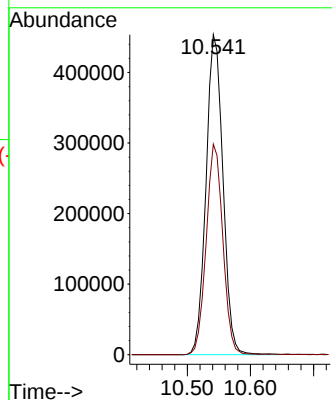
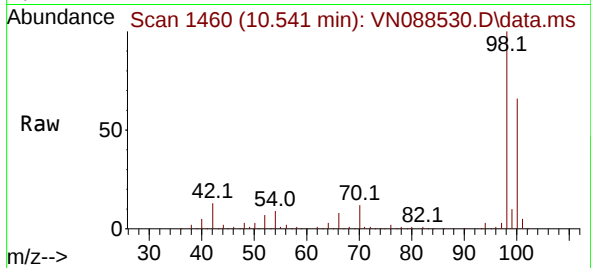




#50
Toluene-d8
Concen: 50.813 ug/l
RT: 10.541 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

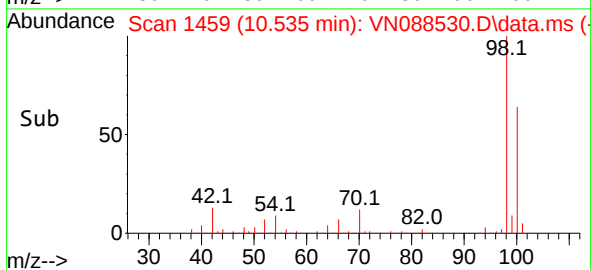
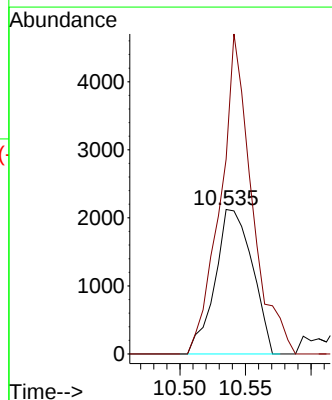
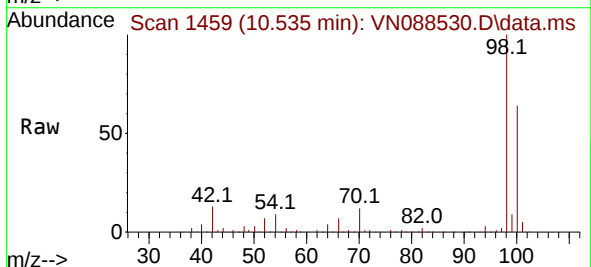
Instrument :
MSVOA_N
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VIBLK

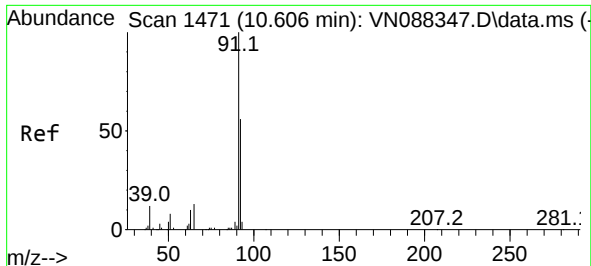
Tgt Ion: 98 Resp: 845561
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 10.535 min Scan# 1459
Delta R.T. 0.112 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
58 187.2 29.1 43.7#

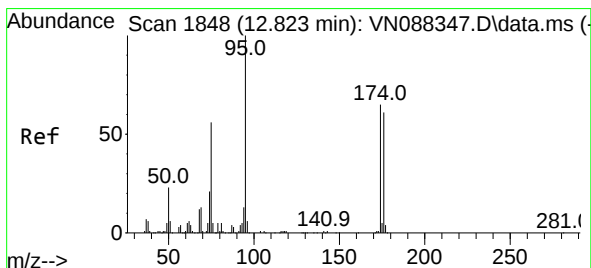
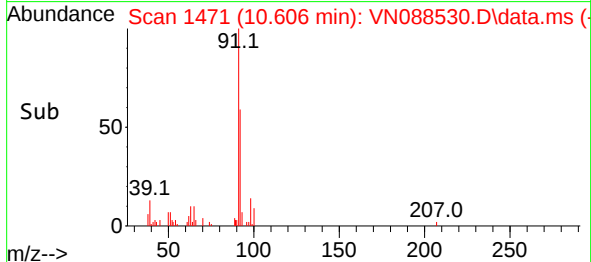
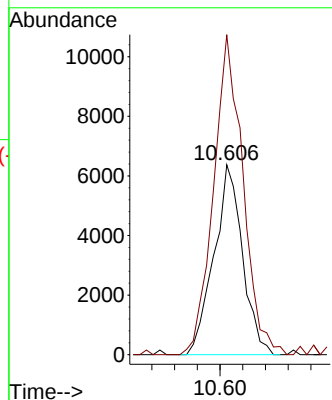
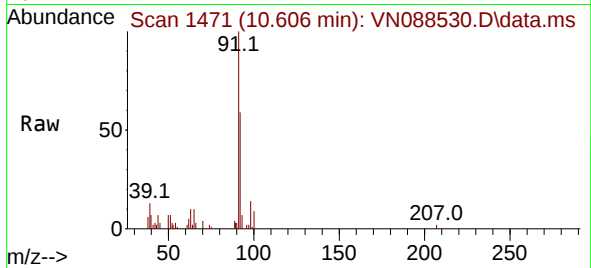




#52
Toluene
Concen: 0.950 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

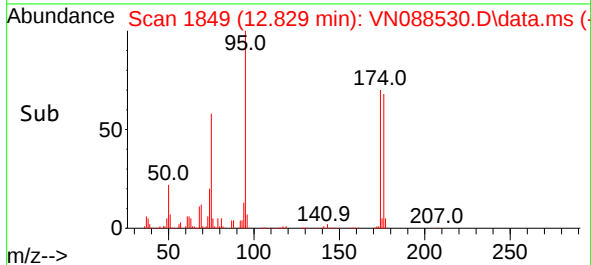
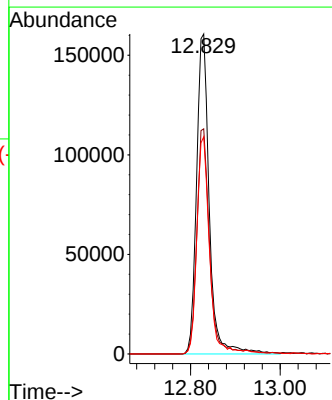
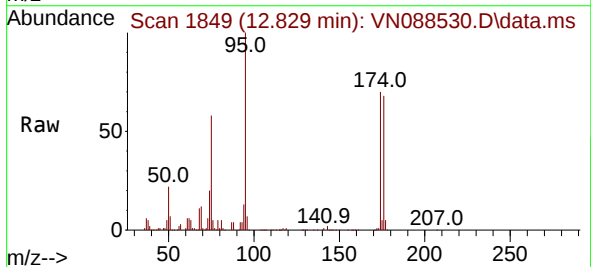
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

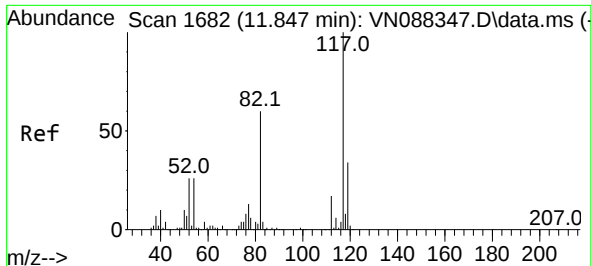
Tgt Ion: 92 Resp: 11108
Ion Ratio Lower Upper
92 100
91 173.9 140.2 210.2



#62
4-Bromofluorobenzene
Concen: 55.283 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 95 Resp: 315649
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 67.8 0.0 132.4

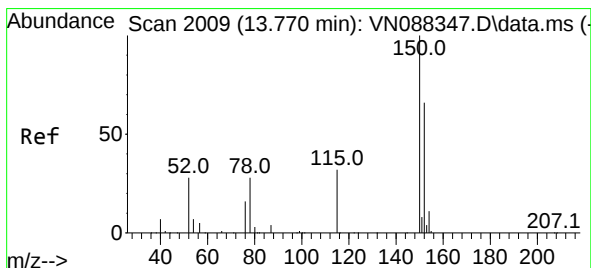
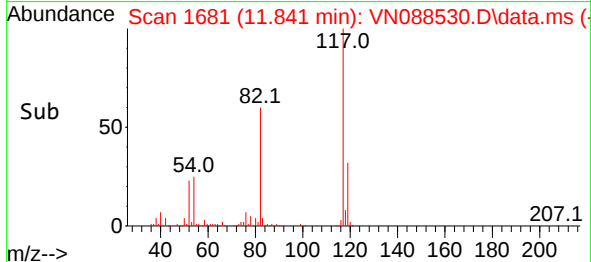
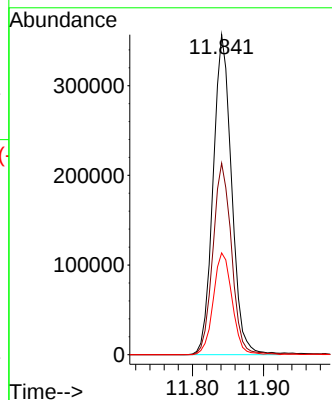
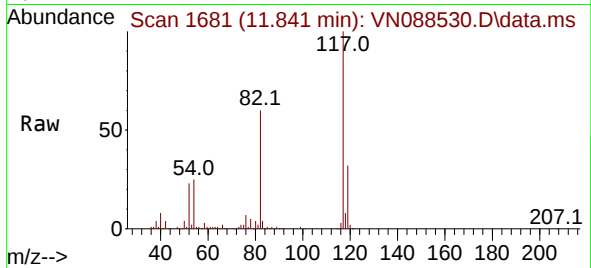




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

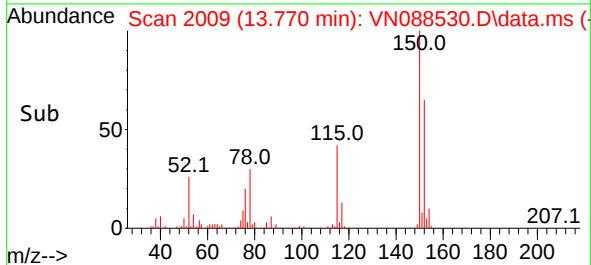
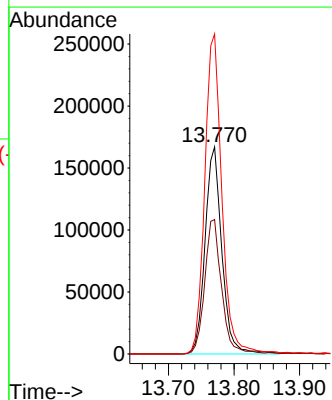
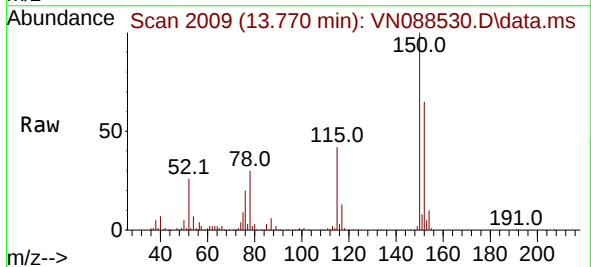
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

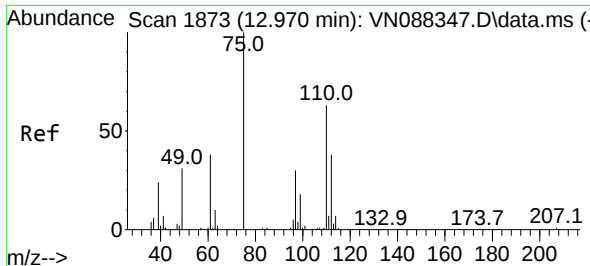
Tgt Ion:117 Resp: 645352
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 31.8 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion:152 Resp: 298393
Ion Ratio Lower Upper
152 100
115 65.1 33.0 98.9
150 157.5 0.0 349.0

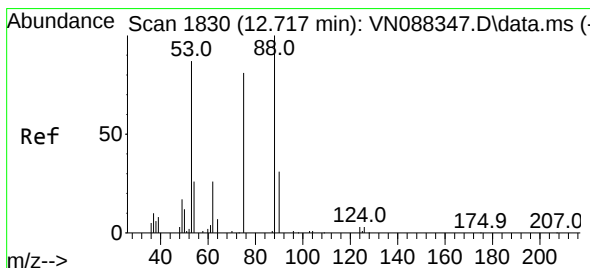
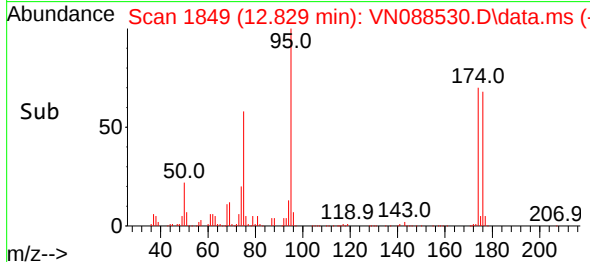
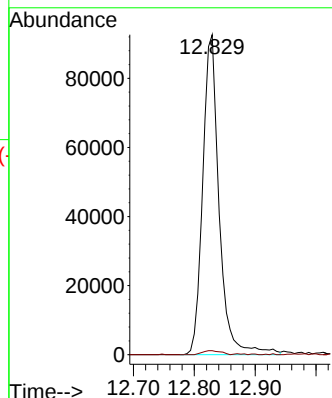
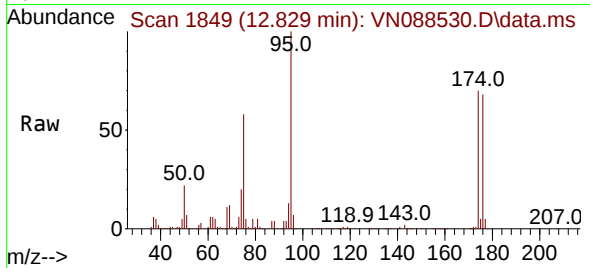




#76
1,2,3-Trichloropropane
Concen: 24.883 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 173906
Ion Ratio Lower Upper
75 100
77 1.4 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.592 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 75 Resp: 173906
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.1 0.0 0.0#

