

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088460.D
 Acq On : 04 Dec 2025 20:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 05 00:21:48 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	215843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	500562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	501363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234724	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235823	57.998	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.000%
35) Dibromofluoromethane	8.147	113	166639	48.038	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	10.541	98	586799	45.464	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.920%
62) 4-Bromofluorobenzene	12.829	95	226157	51.067	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.140%

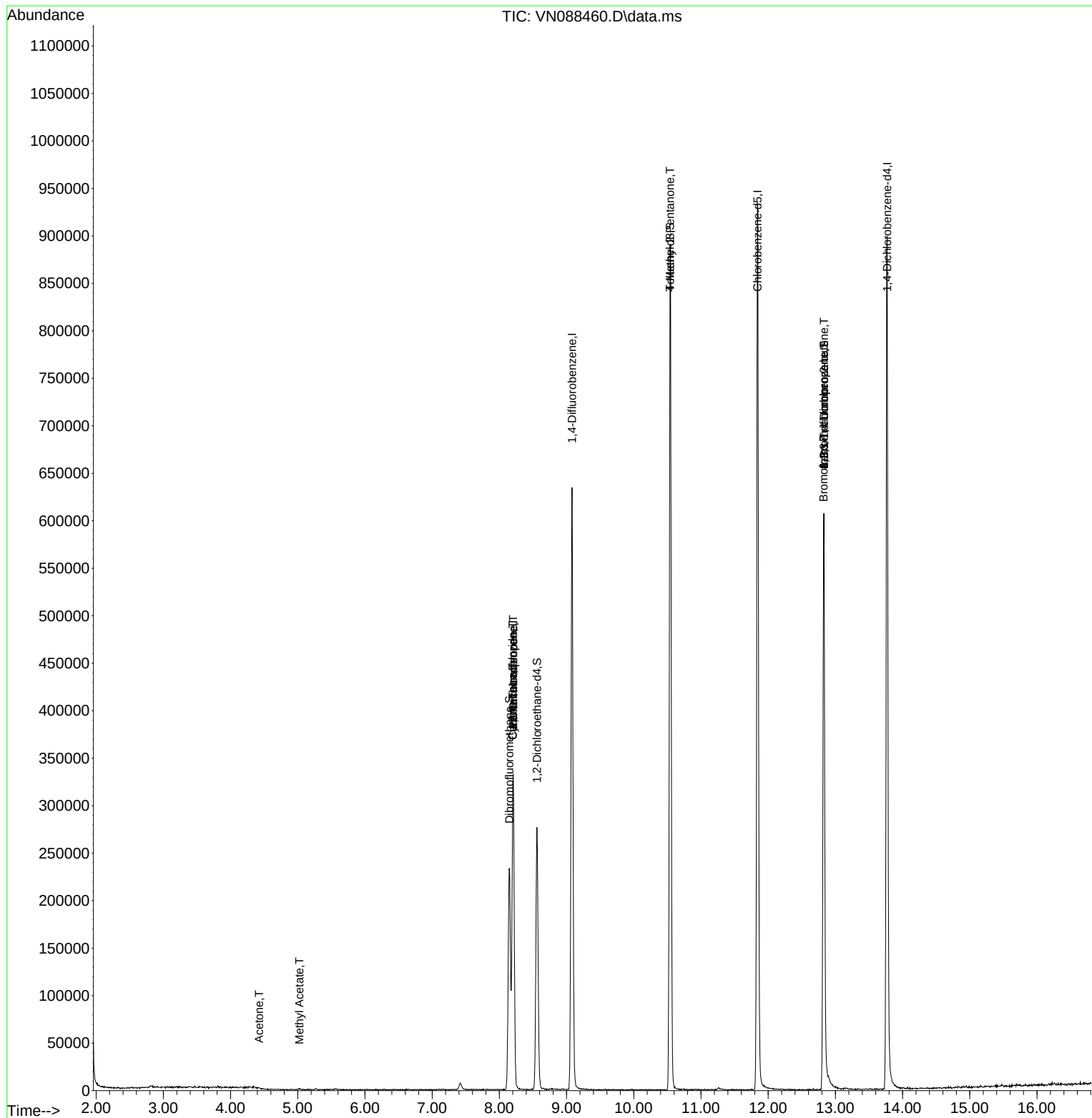
Target Compounds					Qvalue	
16) Acetone	4.424	43	1743	1.185	ug/l	96
18) Methyl Acetate	5.024	43	1583	0.362	ug/l #	65
31) Cyclohexane	8.200	56	7035	1.316	ug/l #	25
36) 1,1-Dichloropropene	8.206	75	23745	4.435	ug/l #	52
38) Carbon Tetrachloride	8.200	117	26952	5.057	ug/l #	11
51) 4-Methyl-2-Pentanone	10.541	43	3218	0.508	ug/l #	1
71) Bromoform	12.823	173	1388	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	131594	23.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	131594	67.906	ug/l #	1

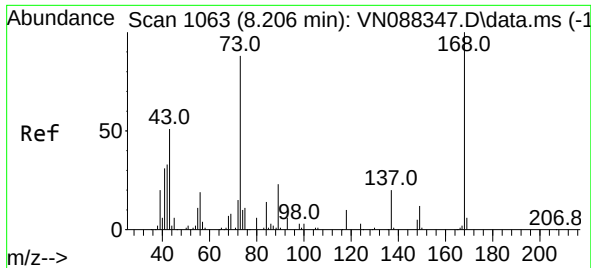
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
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Quant Title : SW846 8260
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Response via : Initial Calibration

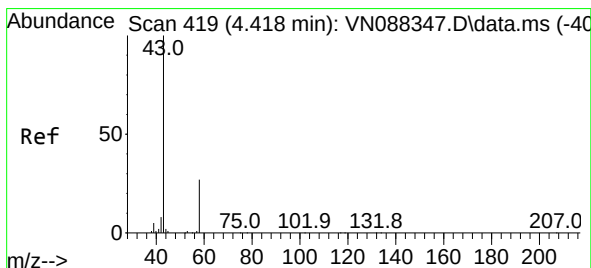
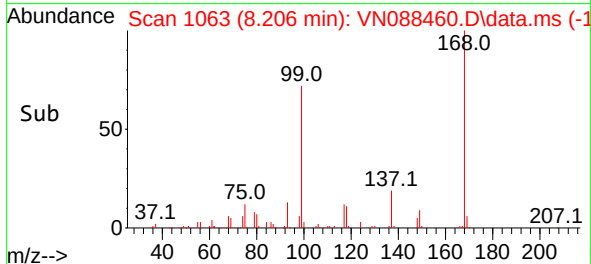
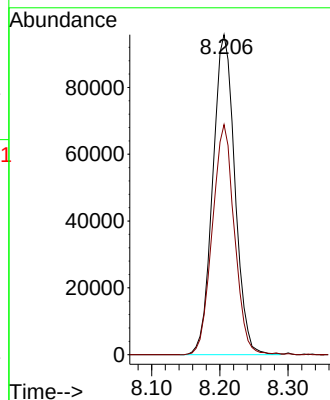
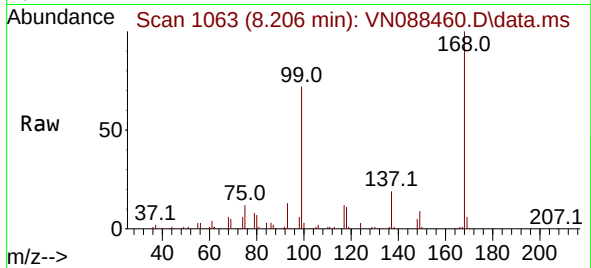




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

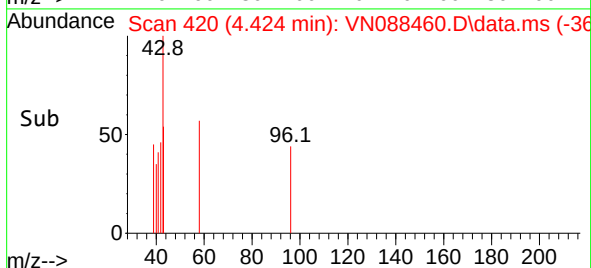
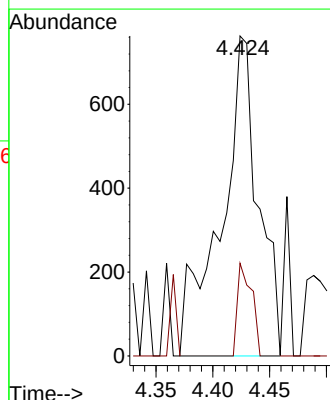
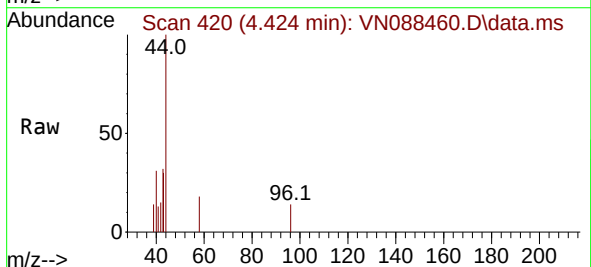
Instrument :
MSVOA_N
ClientSampleId :
IBLK

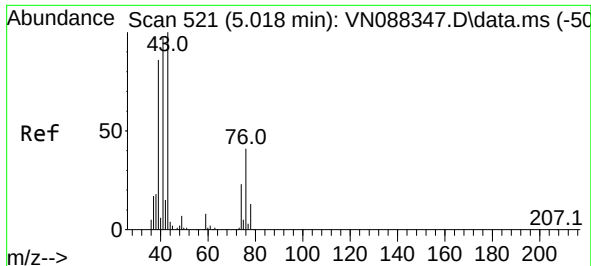
Tgt Ion:168 Resp: 215843
Ion Ratio Lower Upper
168 100
99 71.9 57.1 85.7



#16
Acetone
Concen: 1.185 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Tgt Ion: 43 Resp: 1743
Ion Ratio Lower Upper
43 100
58 29.0 21.7 32.5

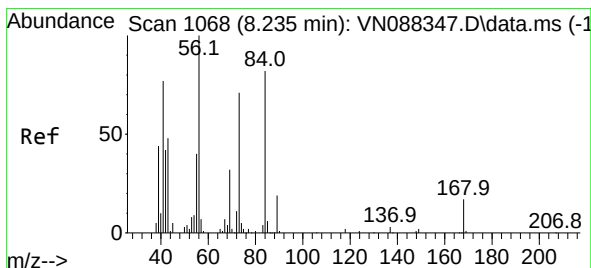
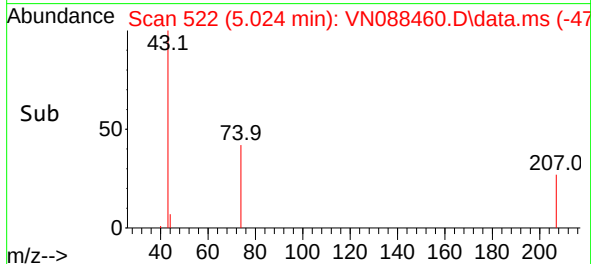
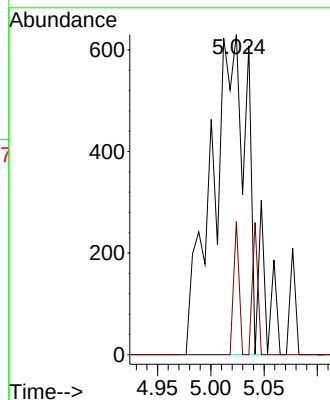
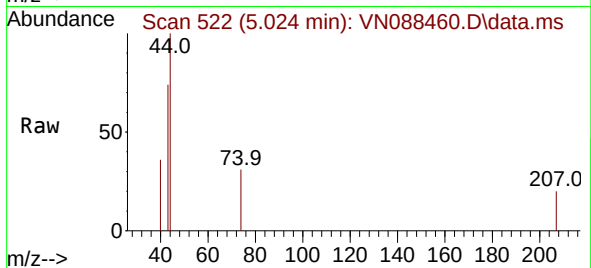




#18
Methyl Acetate
Concen: 0.362 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

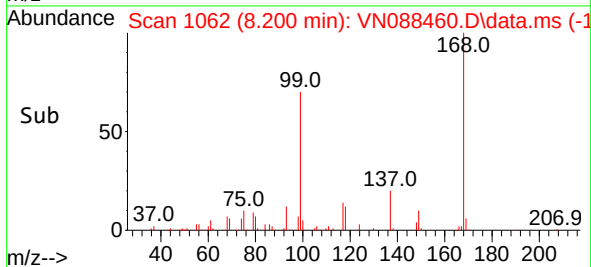
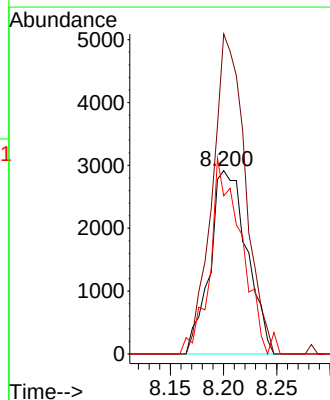
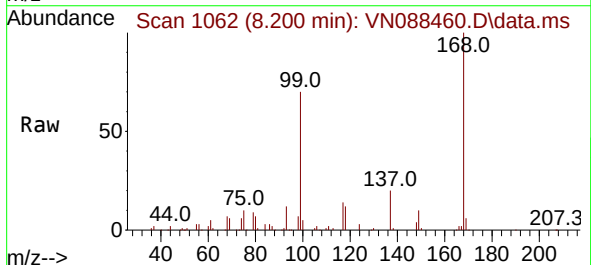
Instrument :
MSVOA_N
ClientSampleId :
IBLK

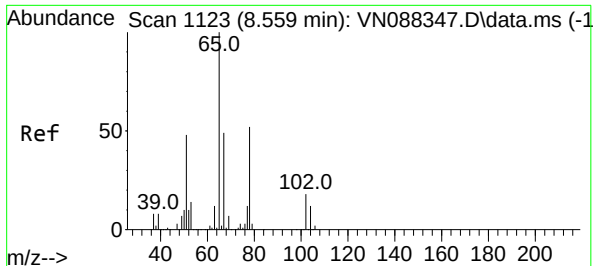
Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
74 5.8 17.9 26.9#



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Tgt Ion: 56 Resp: 7035
Ion Ratio Lower Upper
56 100
69 174.5 25.3 37.9#
84 86.2 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 57.998 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088460.D

Acq: 04 Dec 2025 20:13

Instrument :

MSVOA_N

ClientSampleId :

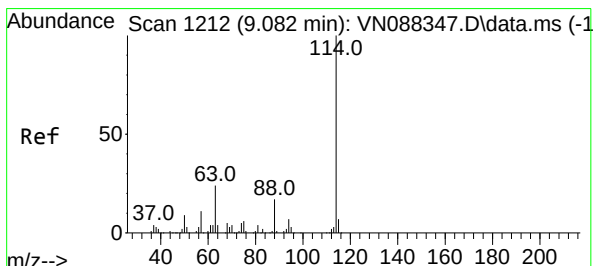
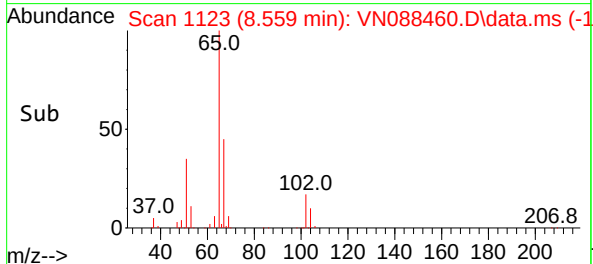
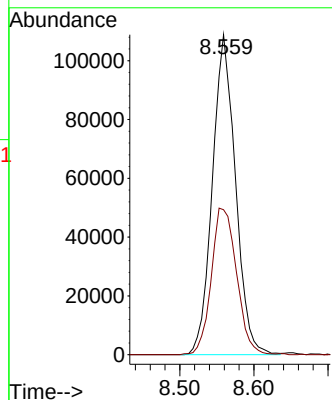
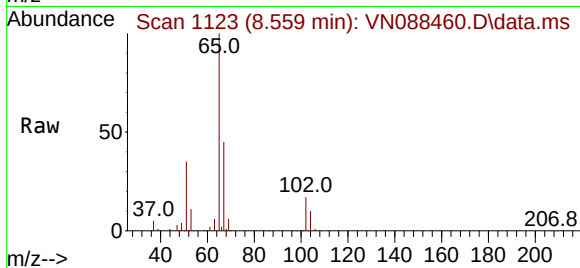
IBLK

Tgt Ion: 65 Resp: 235823

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088460.D

Acq: 04 Dec 2025 20:13

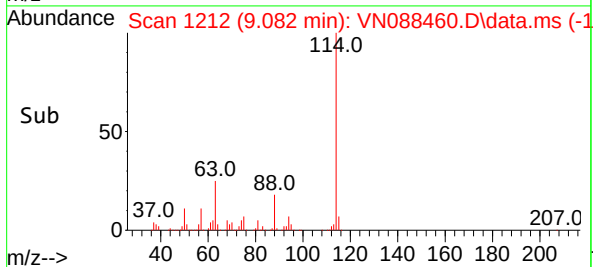
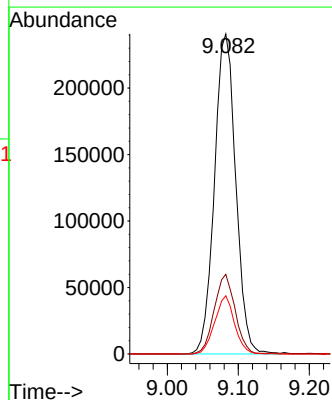
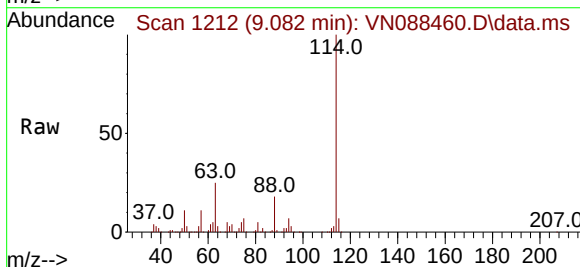
Tgt Ion: 114 Resp: 500562

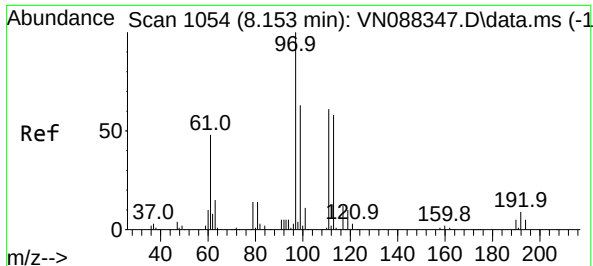
Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.0

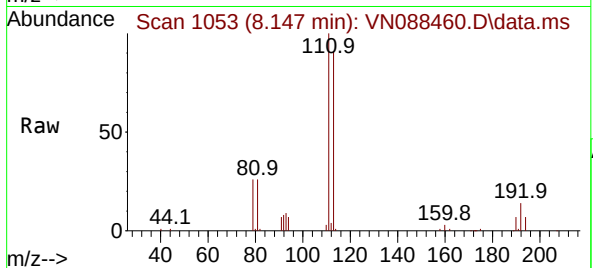
88 18.2 0.0 34.0



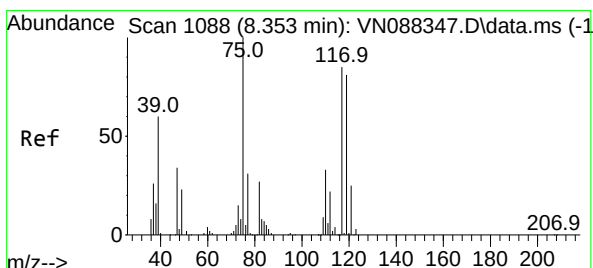
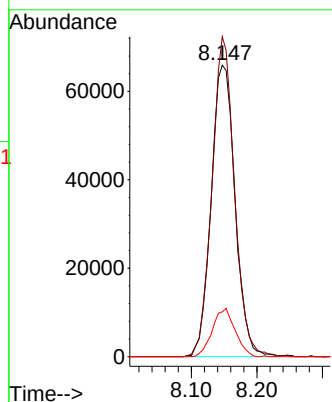
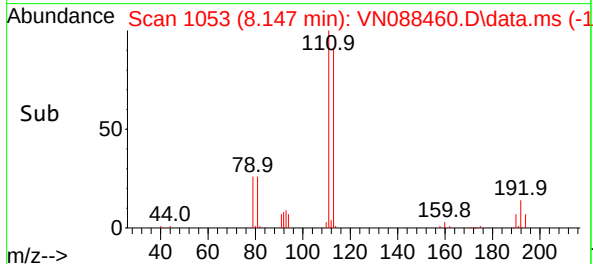


#35
Dibromofluoromethane
Concen: 48.038 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

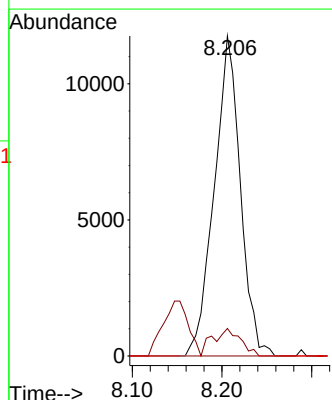
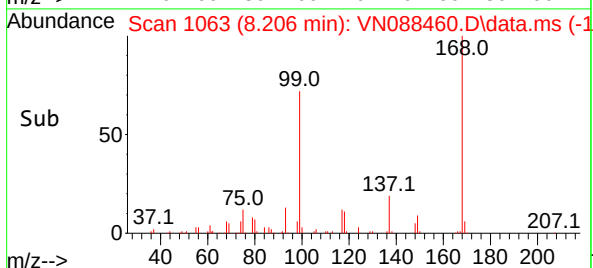
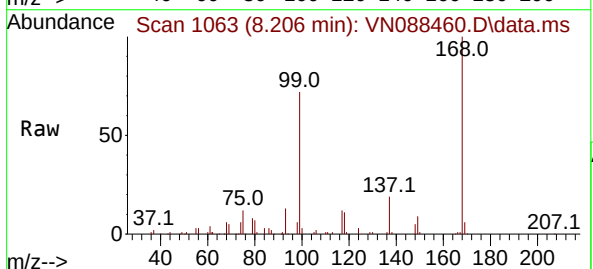


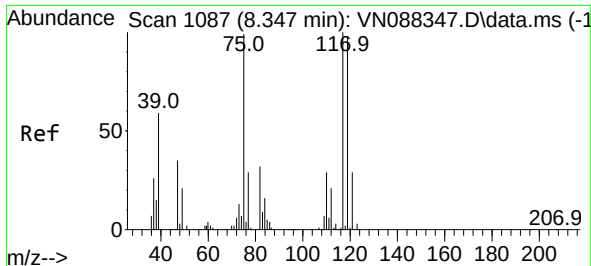
Tgt Ion:113 Resp: 166639
Ion Ratio Lower Upper
113 100
111 103.3 82.5 123.7
192 15.8 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.435 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Tgt Ion: 75 Resp: 23745
Ion Ratio Lower Upper
75 100
110 9.1 15.8 47.4#
77 0.0 24.2 36.2#

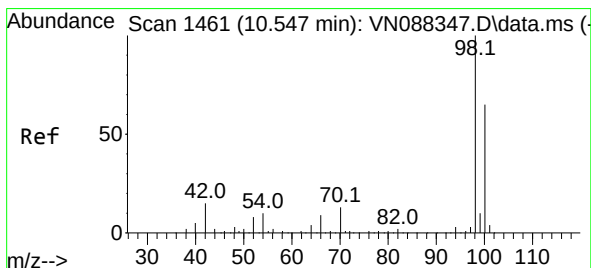
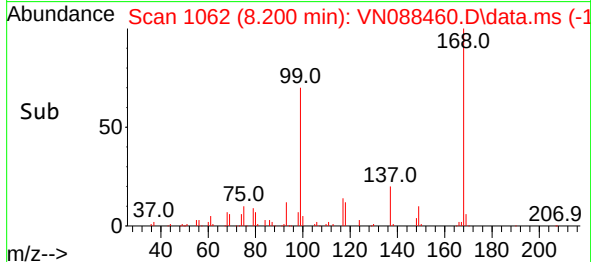
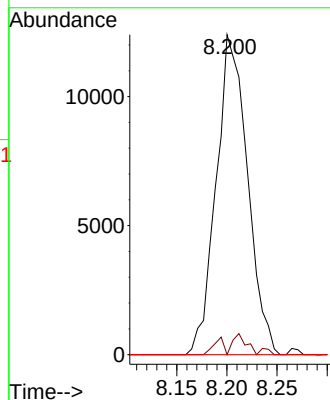
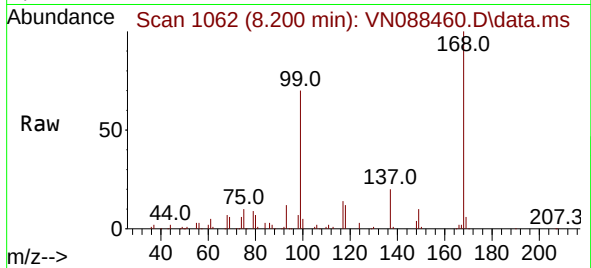




#38
Carbon Tetrachloride
Concen: 5.057 ug/l
RT: 8.200 min Scan# 1087
Delta R.T. -0.147 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

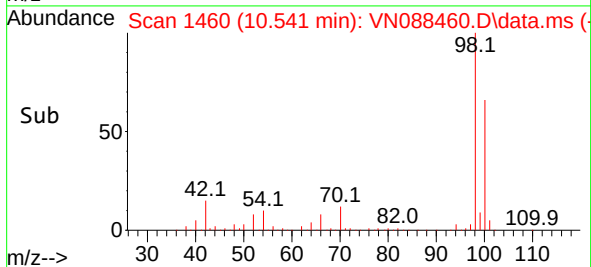
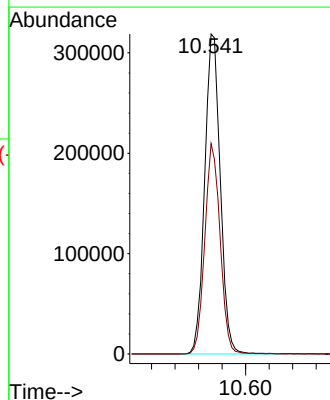
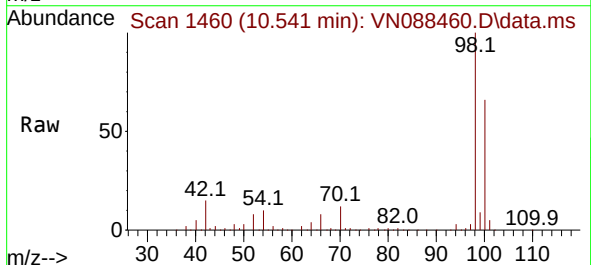
Instrument :
MSVOA_N
ClientSampleId :
IBLK

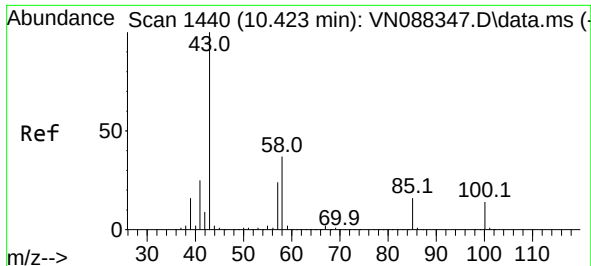
Tgt Ion:117 Resp: 26952
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 45.464 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Tgt Ion: 98 Resp: 586799
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

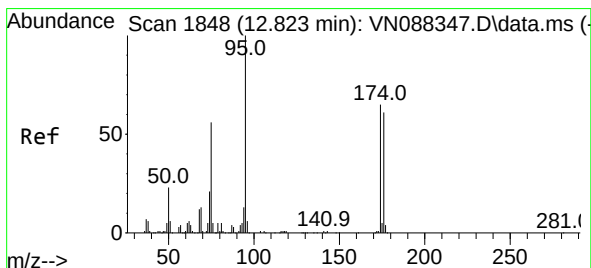
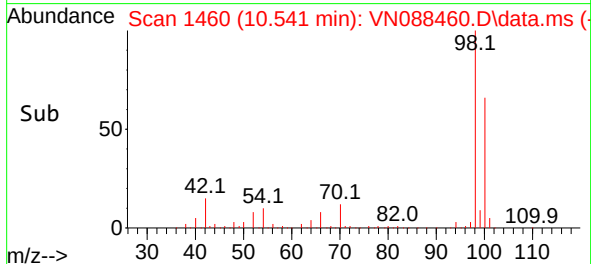
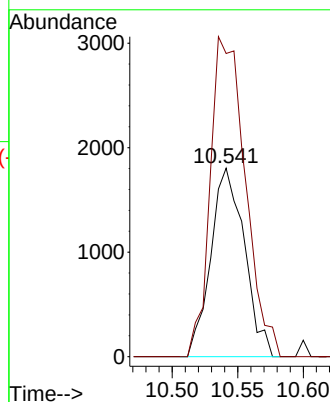
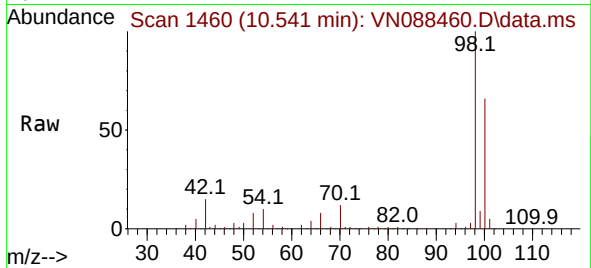




#51
4-Methyl-2-Pentanone
Concen: 0.508 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.118 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

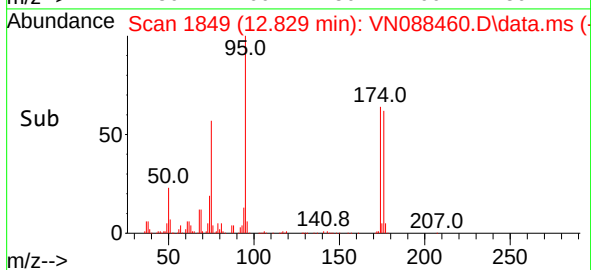
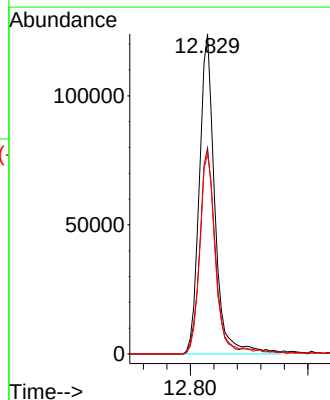
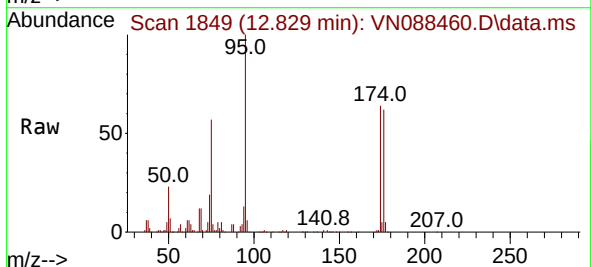
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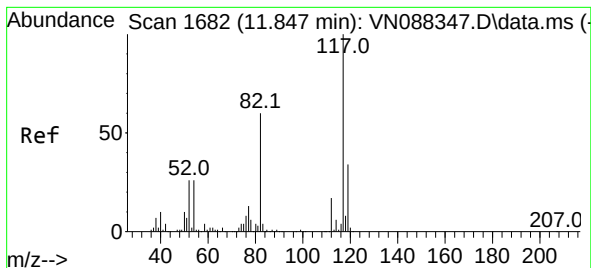
Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
58 176.8 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 51.067 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Tgt Ion: 95 Resp: 226157
Ion Ratio Lower Upper
95 100
174 63.7 0.0 139.0
176 64.4 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: VN088460.D

Acq: 04 Dec 2025 20:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

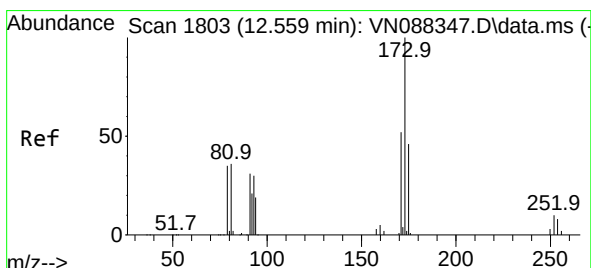
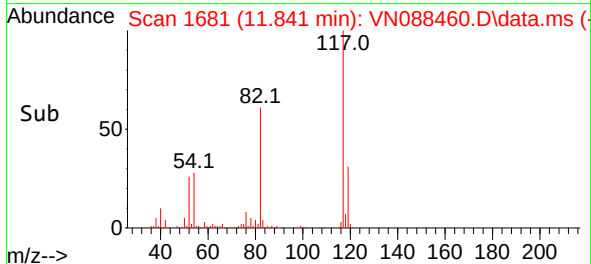
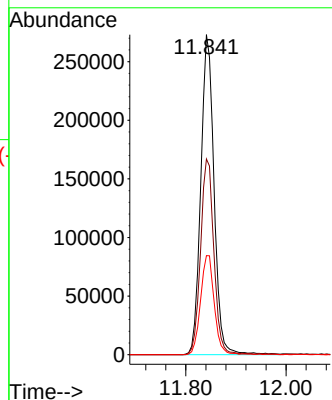
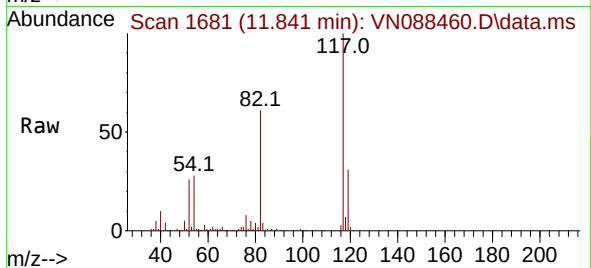
Tgt Ion:117 Resp: 501363

Ion Ratio Lower Upper

117 100

82 61.1 47.8 71.8

119 30.9 26.9 40.3



#71

Bromoform

Concen: 0.499 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. 0.265 min

Lab File: VN088460.D

Acq: 04 Dec 2025 20:13

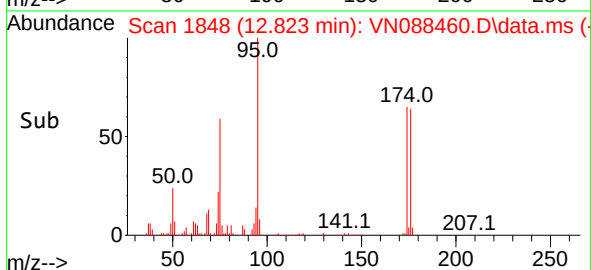
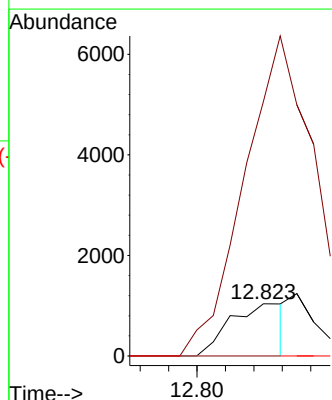
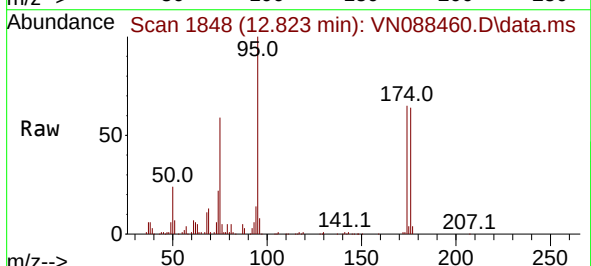
Tgt Ion:173 Resp: 1388

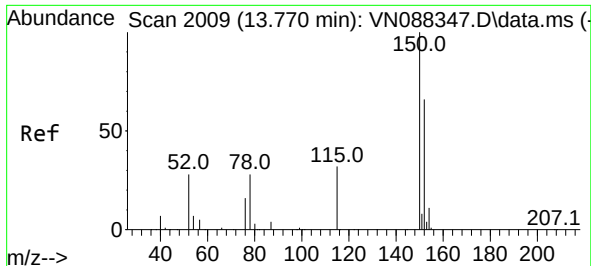
Ion Ratio Lower Upper

173 100

175 604.8 23.9 71.8#

254 0.0 0.1 0.1#

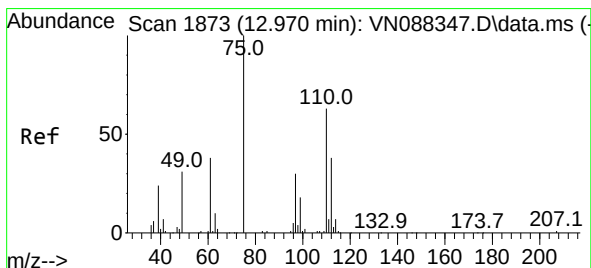
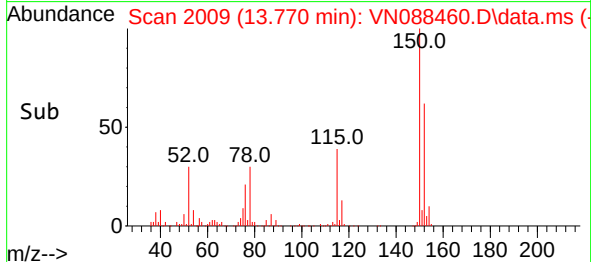
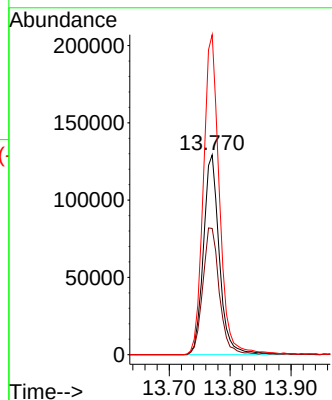
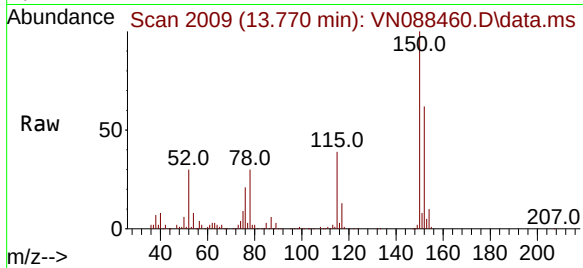




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088460.D
 Acq: 04 Dec 2025 20:13

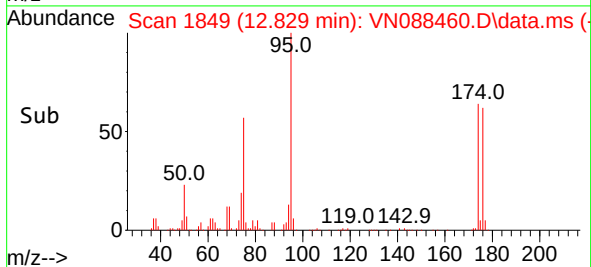
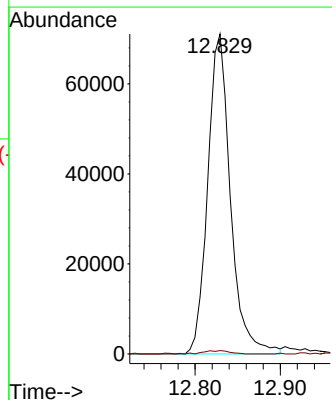
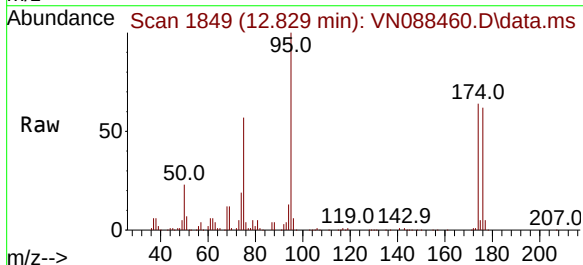
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

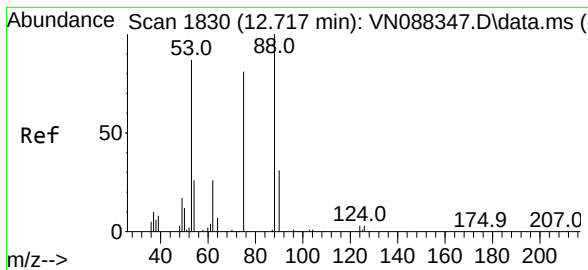
Tgt Ion:152 Resp: 234724
 Ion Ratio Lower Upper
 152 100
 115 66.0 33.0 98.9
 150 161.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.936 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088460.D
 Acq: 04 Dec 2025 20:13

Tgt Ion: 75 Resp: 131594
 Ion Ratio Lower Upper
 75 100
 77 1.2 87.2 261.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.906 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088460.D
Acq: 04 Dec 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 131594
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0#

