

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088423.D
 Acq On : 03 Dec 2025 13:12
 Operator : JC\MD
 Sample : Q3756-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120225

Quant Time: Dec 04 00:17:55 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

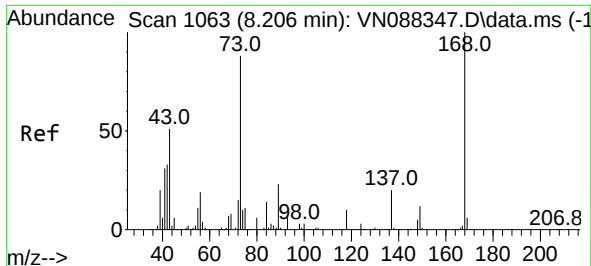
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	192200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	468050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	464764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	237154	65.500	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 131.000%#		
35) Dibromofluoromethane	8.147	113	167987	51.791	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.580%		
50) Toluene-d8	10.541	98	581457	48.179	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.360%		
62) 4-Bromofluorobenzene	12.829	95	210648	50.869	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.740%		
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	1788	1.365	ug/l #	89
18) Methyl Acetate	5.030	43	1404	0.360	ug/l #	53
26) 2,2-Dichloropropane	7.424	77	1131	0.249	ug/l #	56
31) Cyclohexane	8.212	56	6073	1.275	ug/l #	21
36) 1,1-Dichloropropene	8.200	75	20436	4.082	ug/l #	51
38) Carbon Tetrachloride	8.206	117	24474	4.911	ug/l #	16
51) 4-Methyl-2-Pentanone	10.547	43	3043	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	125550	24.437	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	125550	69.325	ug/l #	1

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

Quant Time: Dec 04 00:17:55 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

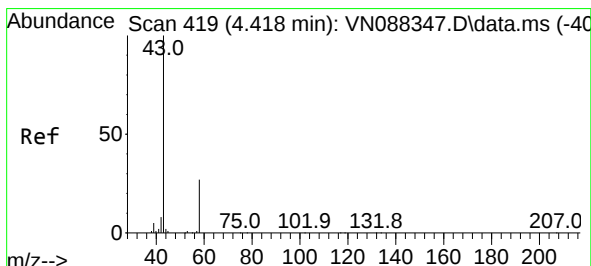
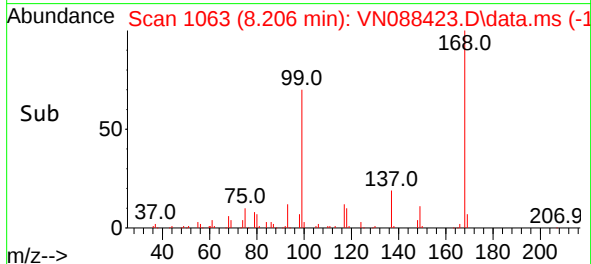
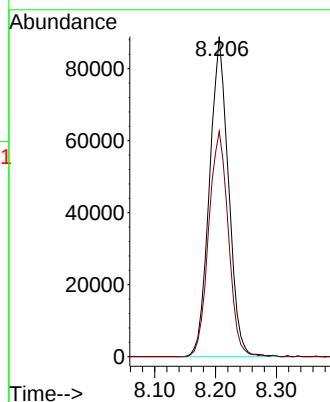
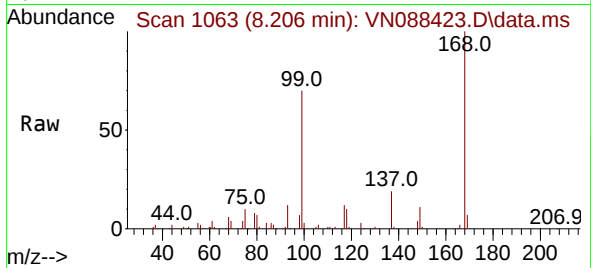




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

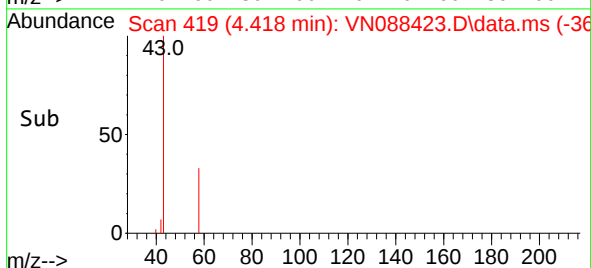
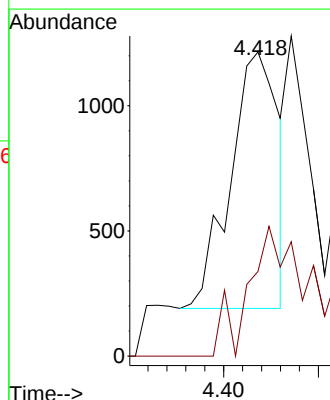
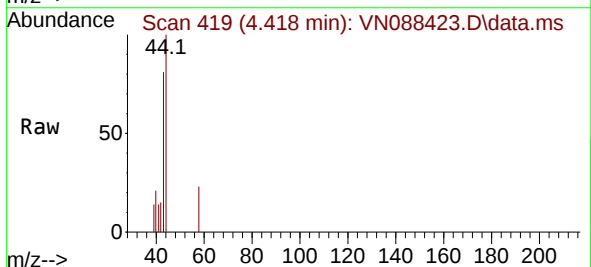
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225

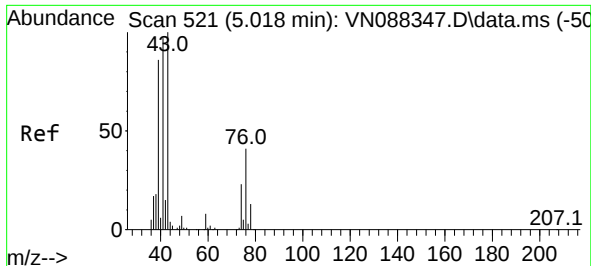
Tgt Ion:168 Resp: 192200
Ion Ratio Lower Upper
168 100
99 70.4 57.1 85.7



#16
Acetone
Concen: 1.365 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

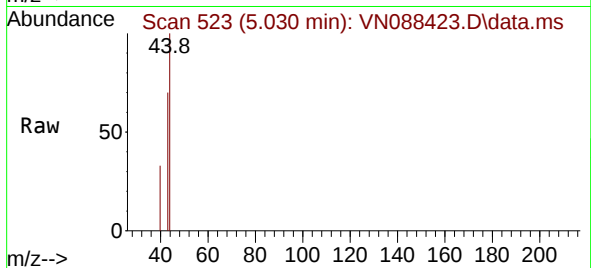
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 33.0 21.7 32.5#



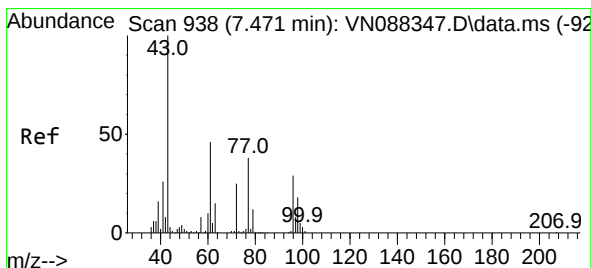
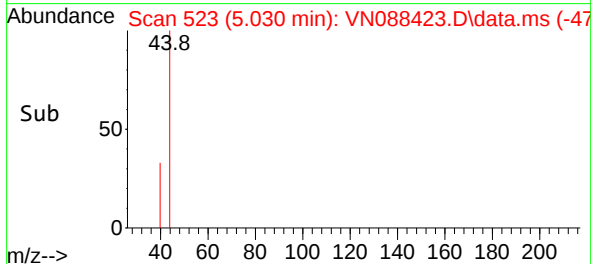
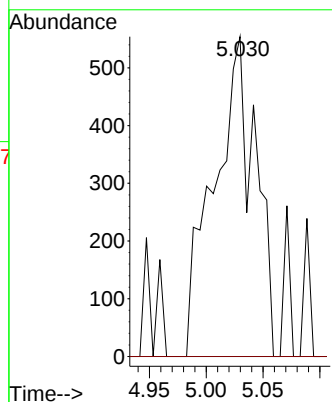


#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

Instrument :
MSVOA_N
ClientSampleId :
TB01-120225

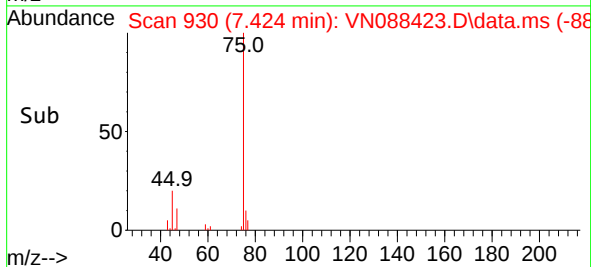
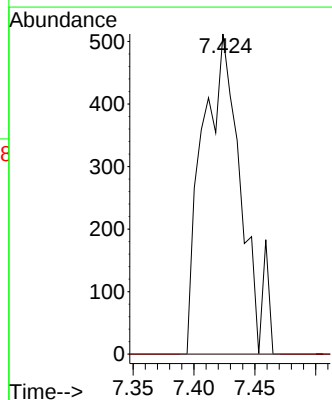
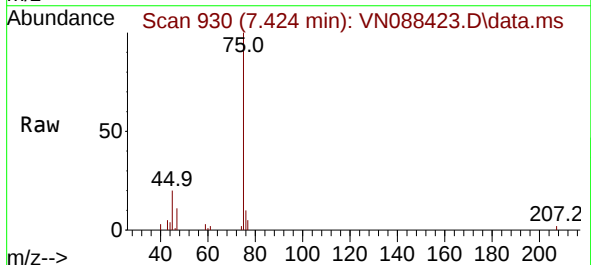


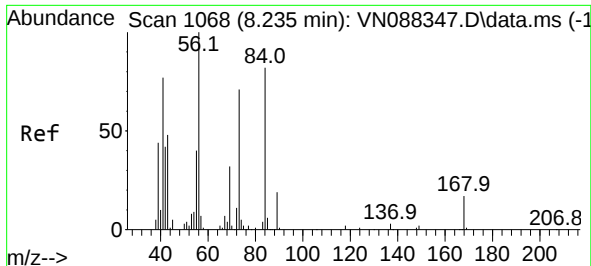
Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#26
2,2-Dichloropropane
Concen: 0.249 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.047 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

Tgt Ion: 77 Resp: 1131
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#

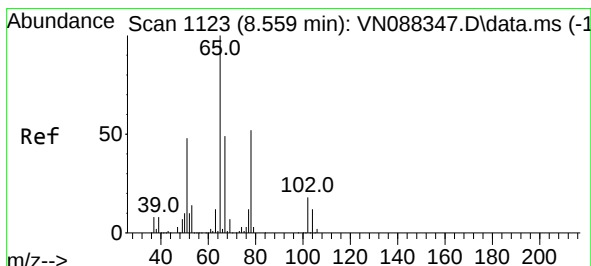
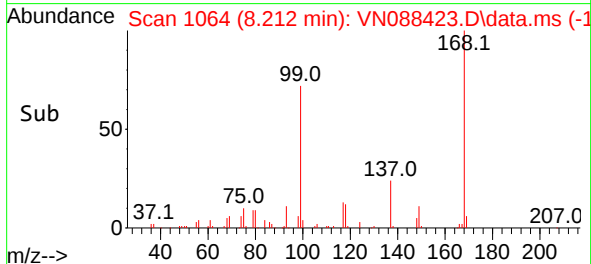
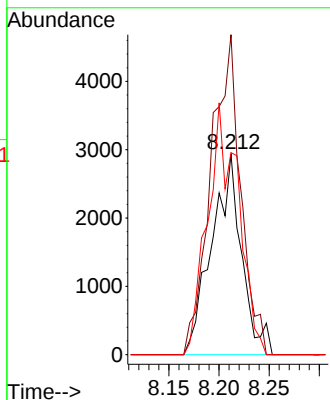
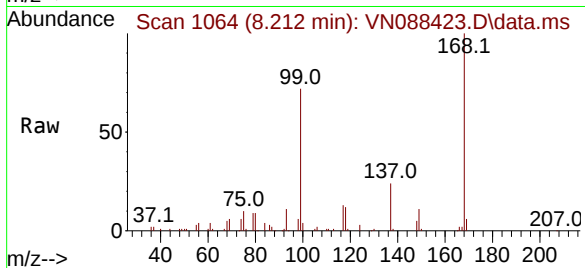




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.023 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

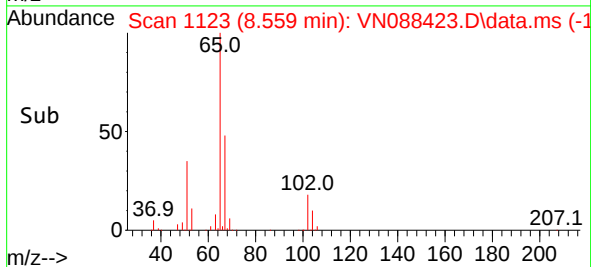
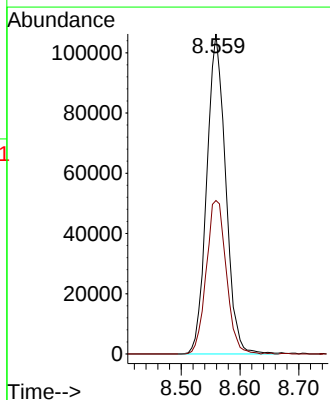
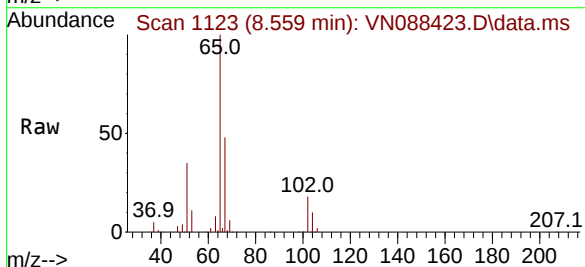
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225

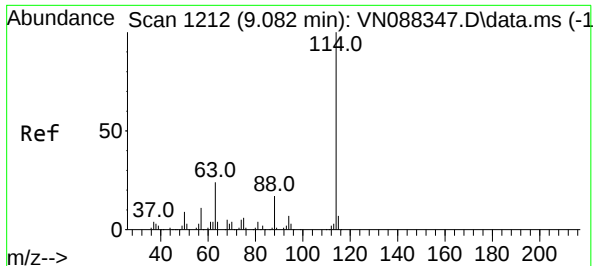
Tgt Ion: 56 Resp: 6073
Ion Ratio Lower Upper
56 100
69 159.4 25.3 37.9#
84 100.6 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 65.500 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

Tgt Ion: 65 Resp: 237154
Ion Ratio Lower Upper
65 100
67 50.8 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: VN088423.D

Acq: 03 Dec 2025 13:12

Instrument :

MSVOA_N

ClientSampleId :

TB01-120225

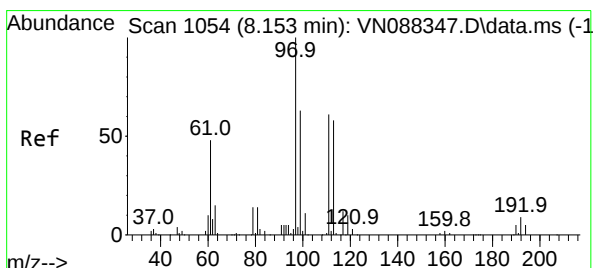
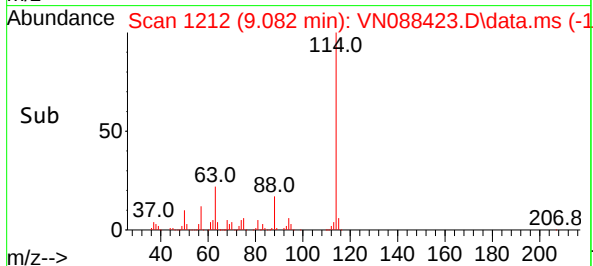
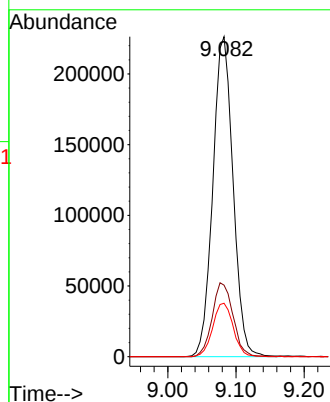
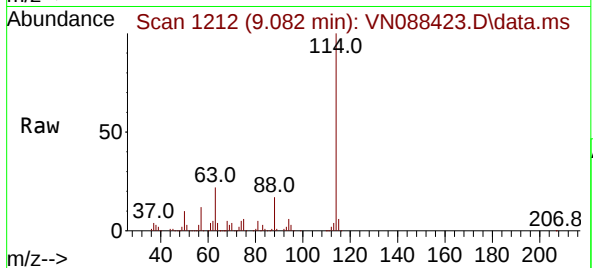
Tgt Ion:114 Resp: 468050

Ion Ratio Lower Upper

114 100

63 22.4 0.0 49.0

88 16.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 51.791 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

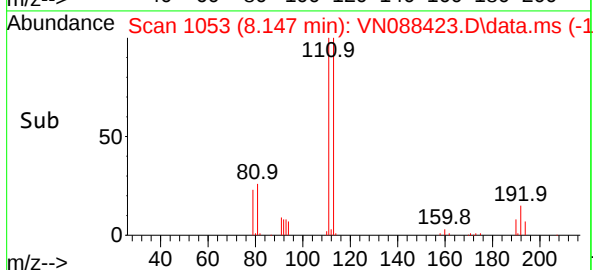
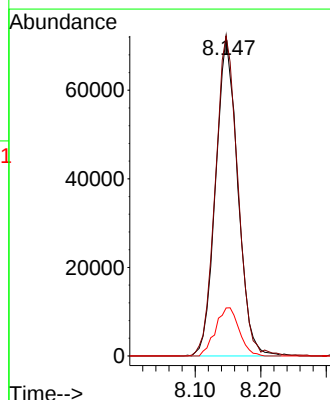
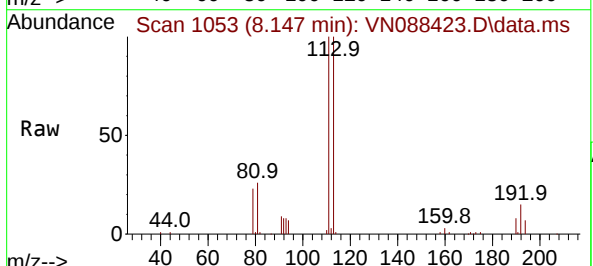
Tgt Ion:113 Resp: 167987

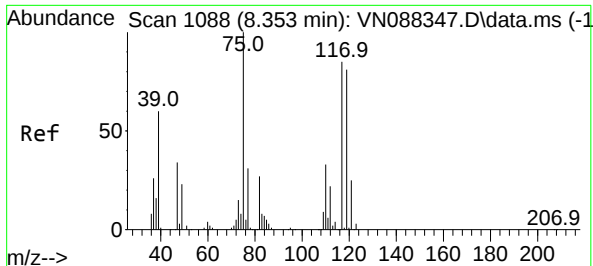
Ion Ratio Lower Upper

113 100

111 102.4 82.5 123.7

192 16.1 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.082 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

Instrument :

MSVOA_N

ClientSampleId :

TB01-120225

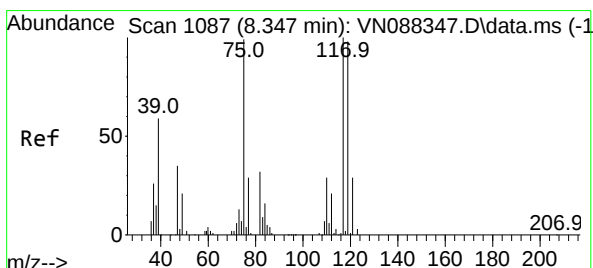
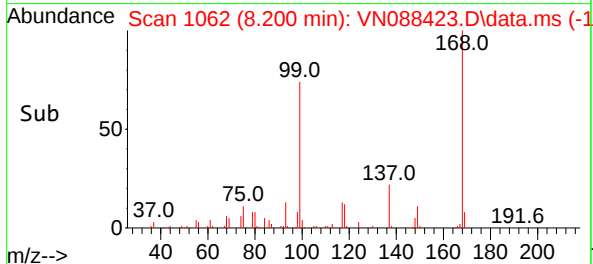
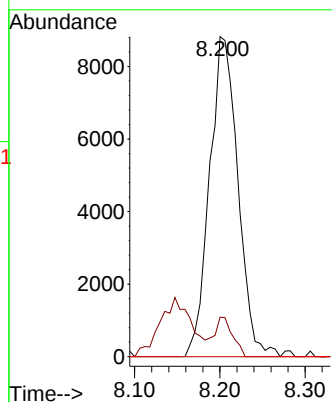
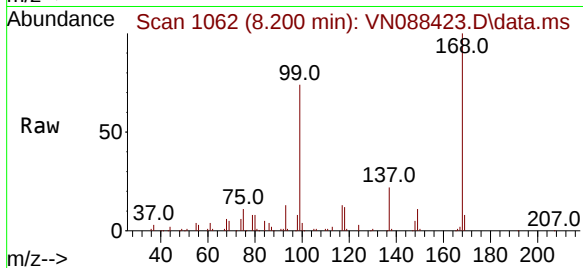
Tgt Ion: 75 Resp: 20436

Ion Ratio Lower Upper

75 100

110 8.2 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.911 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088423.D

Acq: 03 Dec 2025 13:12

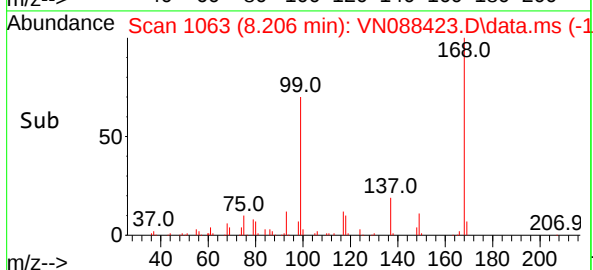
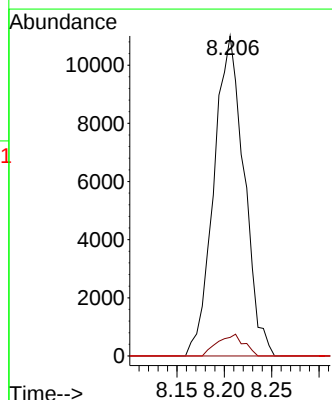
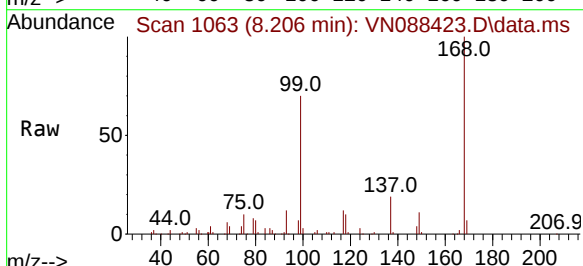
Tgt Ion: 117 Resp: 24474

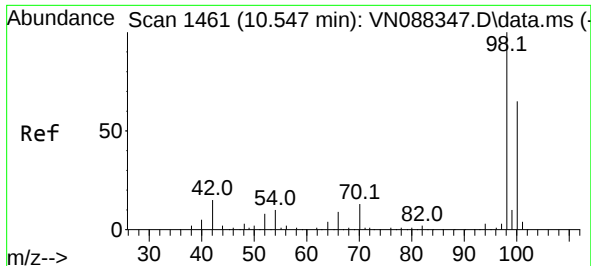
Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.4#

121 0.0 23.4 35.2#

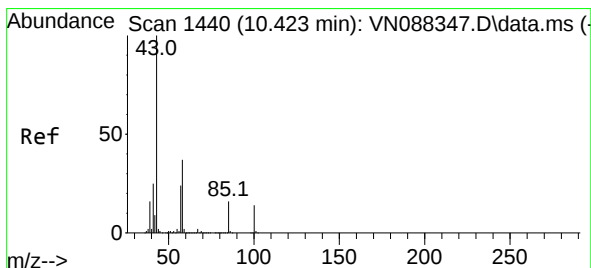
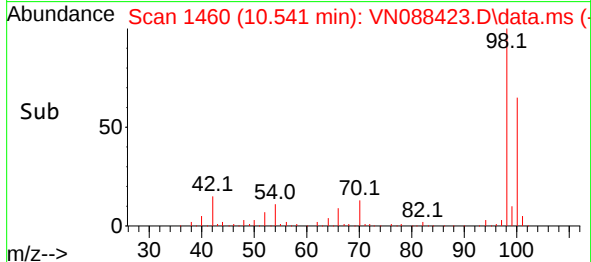
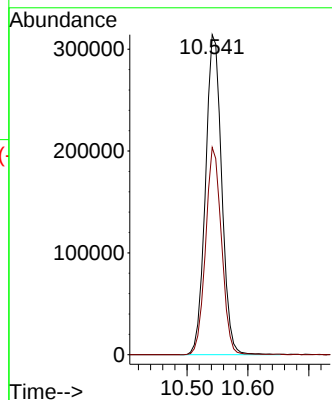
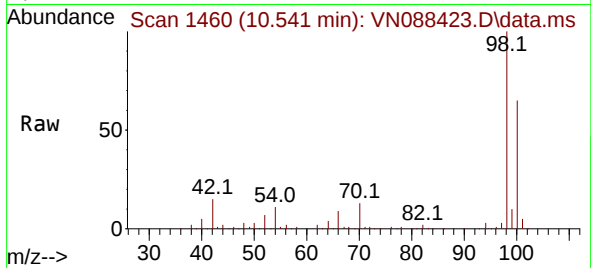




#50
Toluene-d8
Concen: 48.179 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

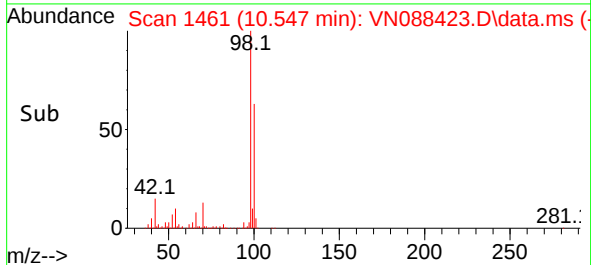
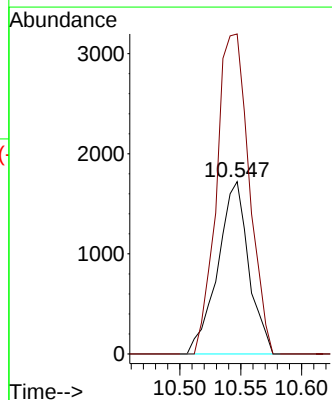
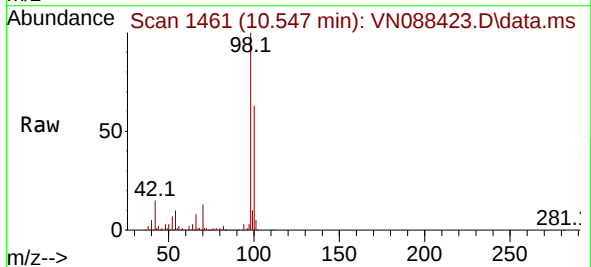
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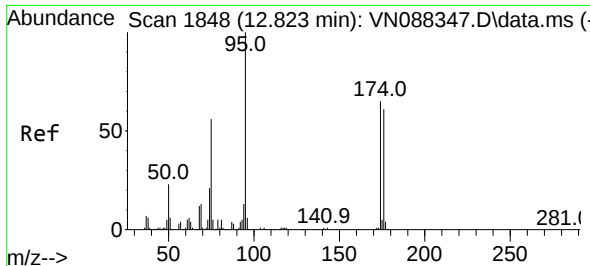
Tgt Ion: 98 Resp: 581457
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.124 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
58 195.4 29.1 43.7#

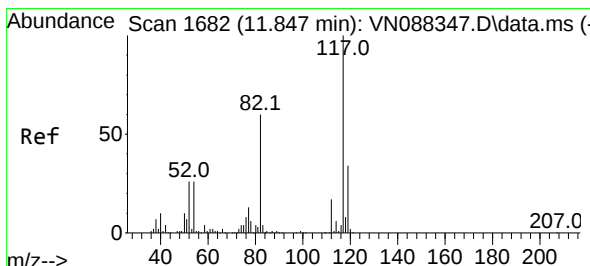
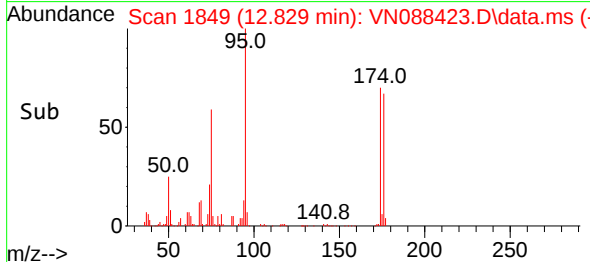
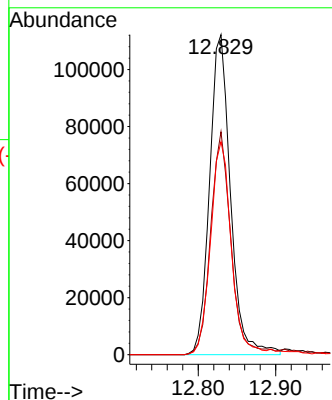
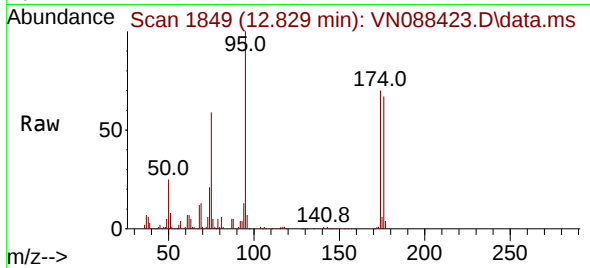




#62
4-Bromofluorobenzene
Concen: 50.869 ug/l
RT: 12.829 min Scan# 118
Delta R.T. 0.006 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

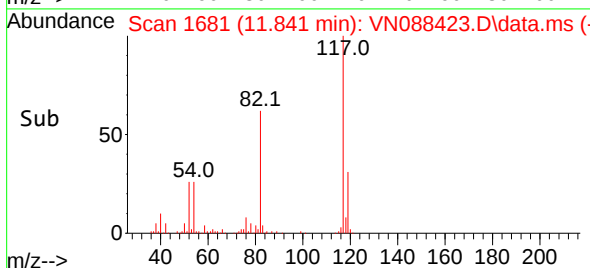
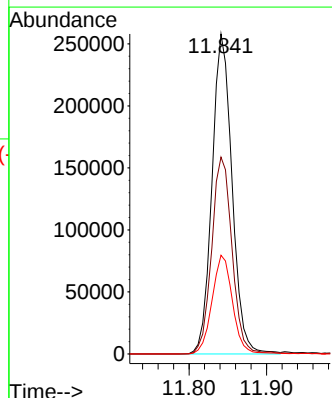
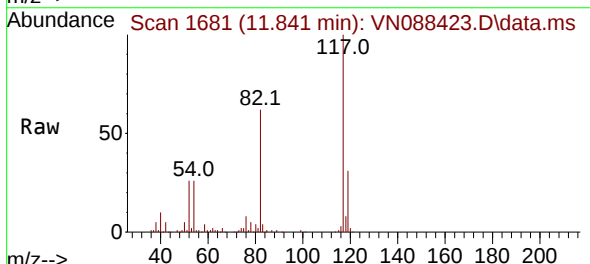
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225

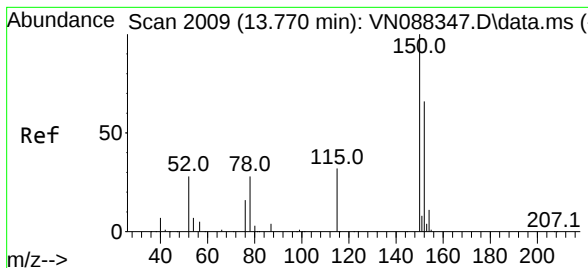
Tgt Ion: 95 Resp: 210648
Ion Ratio Lower Upper
95 100
174 67.5 0.0 139.0
176 65.8 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088423.D
Acq: 03 Dec 2025 13:12

Tgt Ion: 117 Resp: 464764
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 30.8 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: VN088423.D

Acq: 03 Dec 2025 13:12

Instrument :

MSVOA_N

ClientSampleId :

TB01-120225

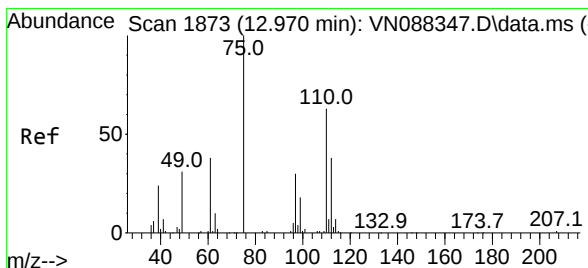
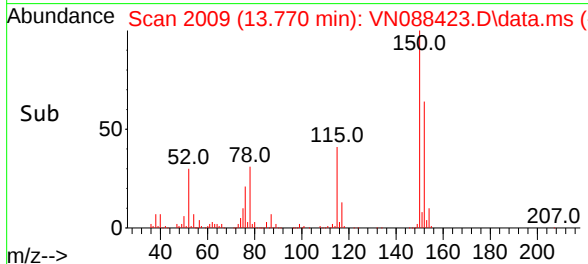
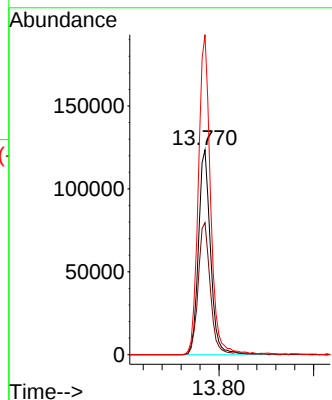
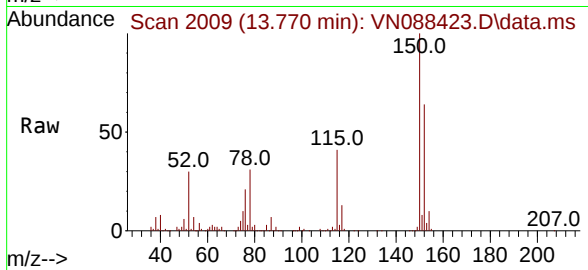
Tgt Ion:152 Resp: 219360

Ion Ratio Lower Upper

152 100

115 64.9 33.0 98.9

150 157.0 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 24.437 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088423.D

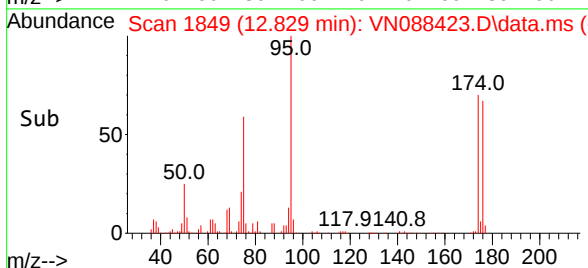
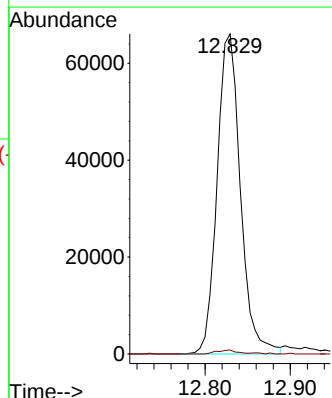
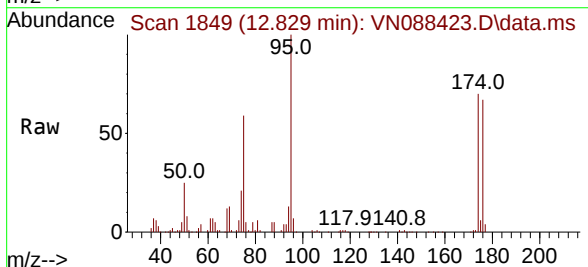
Acq: 03 Dec 2025 13:12

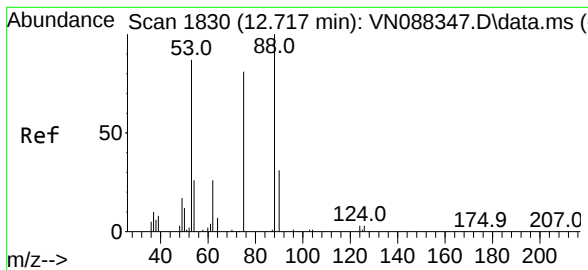
Tgt Ion: 75 Resp: 125550

Ion Ratio Lower Upper

75 100

77 1.3 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.325 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088423.D
 Acq: 03 Dec 2025 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120225

Tgt Ion: 75 Resp: 125550
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0

