

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088390.D
 Acq On : 01 Dec 2025 17:39
 Operator : JC\MD
 Sample : Q3743-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:18:07 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)

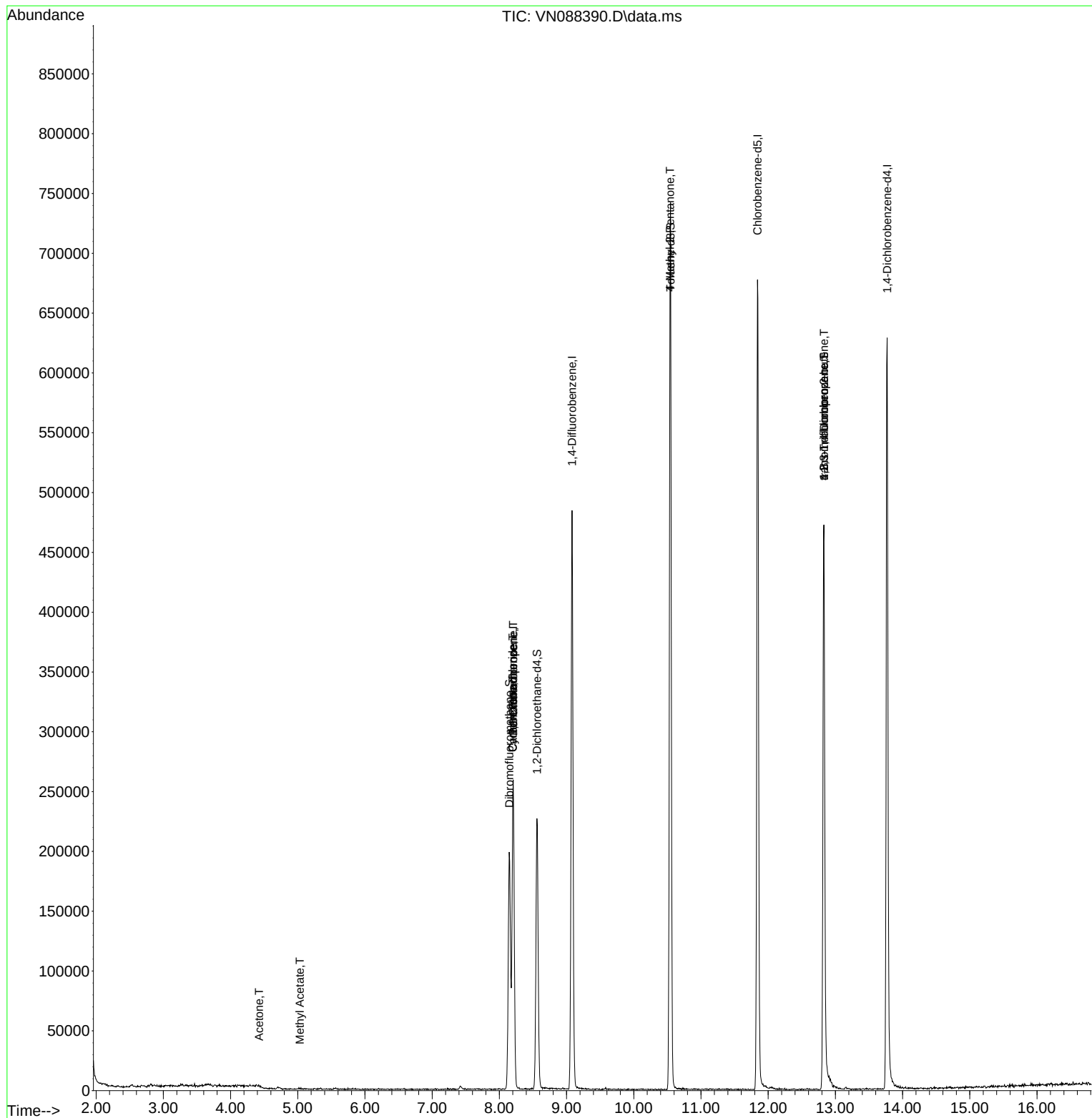
Internal Standards						
1) Pentafluorobenzene	8.206	168	168109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	386817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	372510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	192789	60.877	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 121.760%		
35) Dibromofluoromethane	8.147	113	142167	53.035	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.080%		
50) Toluene-d8	10.547	98	497084	49.838	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.680%		
62) 4-Bromofluorobenzene	12.829	95	182162	53.228	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.460%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	1474	1.287	ug/l #	47
18) Methyl Acetate	5.030	43	689	0.202	ug/l #	53
31) Cyclohexane	8.200	56	5132	1.232	ug/l #	16
36) 1,1-Dichloropropene	8.206	75	17260	4.172	ug/l #	53
38) Carbon Tetrachloride	8.200	117	19381	4.706	ug/l #	17
51) 4-Methyl-2-Pentanone	10.541	43	3179	0.649	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	101265	24.573	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	101265	69.712	ug/l #	1

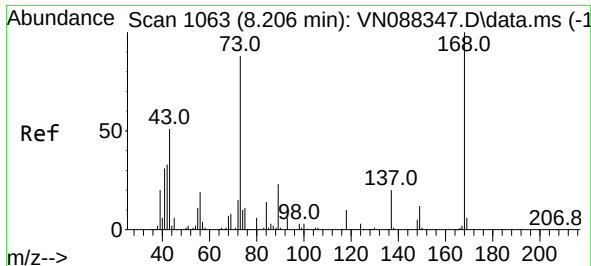
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 02 00:18:07 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

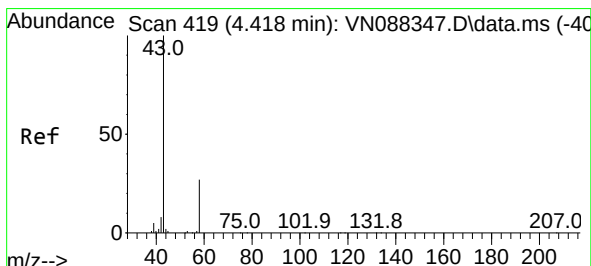
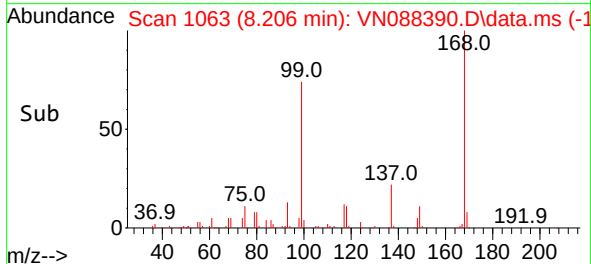
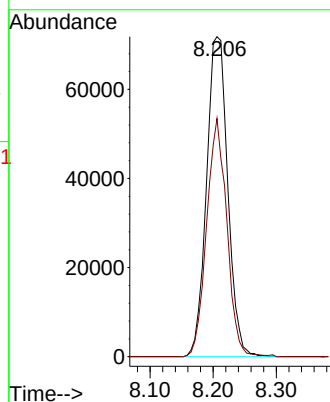
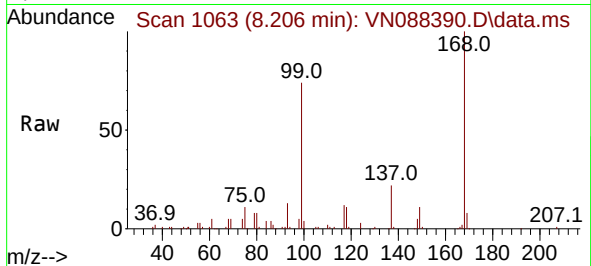




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

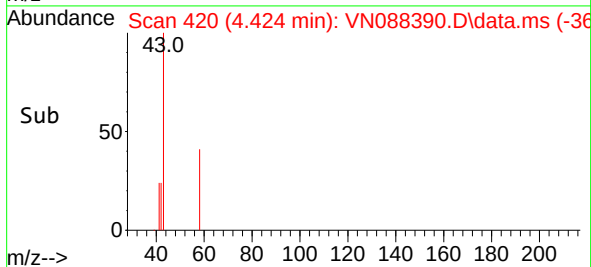
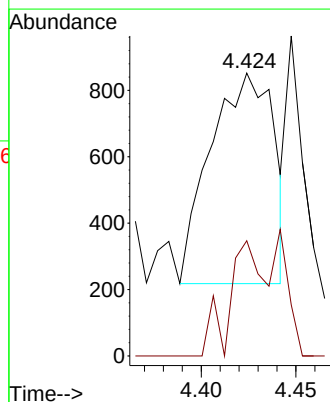
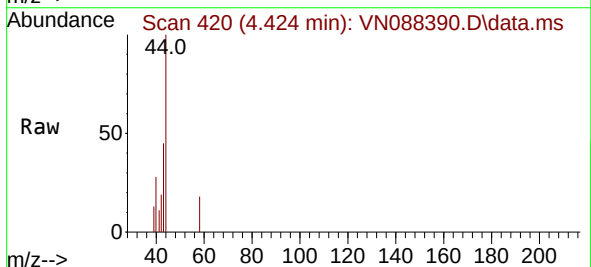
Instrument :
MSVOA_N
ClientSampleId :

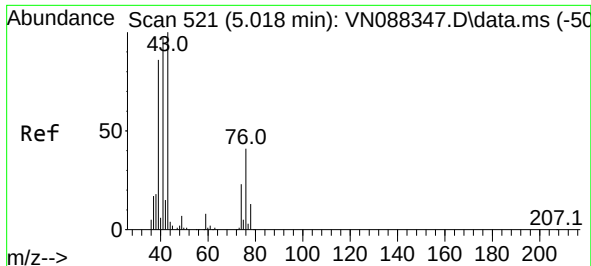
Tgt Ion:168 Resp: 168109
Ion Ratio Lower Upper
168 100
99 74.5 57.1 85.7



#16
Acetone
Concen: 1.287 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

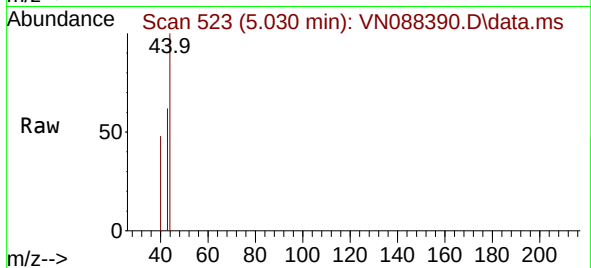
Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
58 54.7 21.7 32.5#



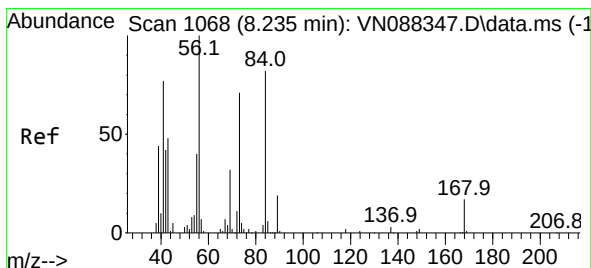
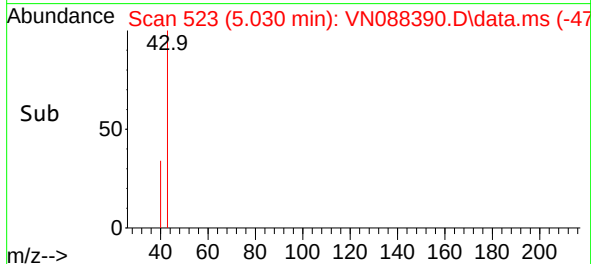
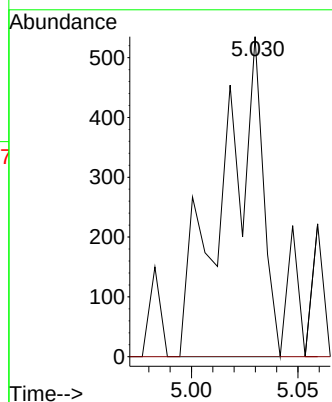


#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :

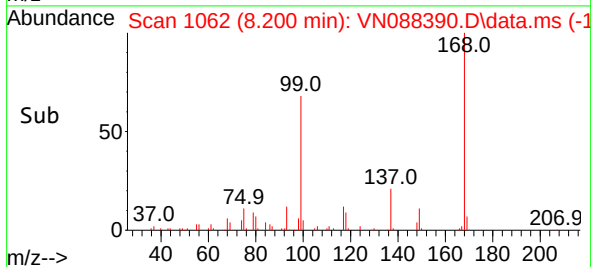
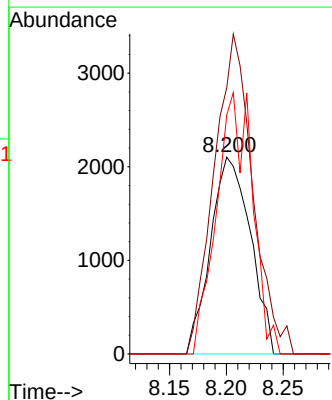
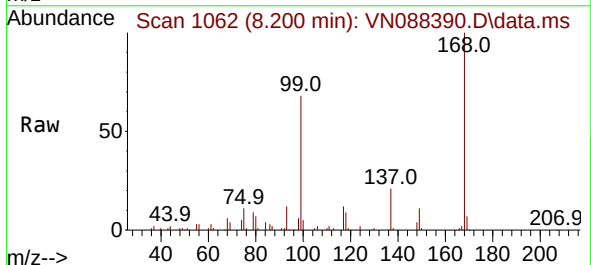


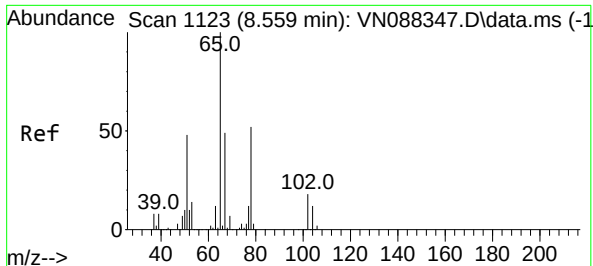
Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Tgt Ion: 56 Resp: 5132
Ion Ratio Lower Upper
56 100
69 135.4 25.3 37.9#
84 121.5 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 60.877 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088390.D

Acq: 01 Dec 2025 17:39

Instrument :

MSVOA_N

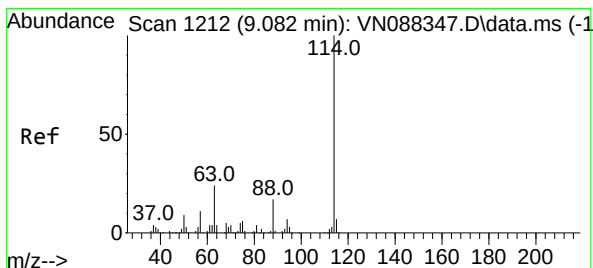
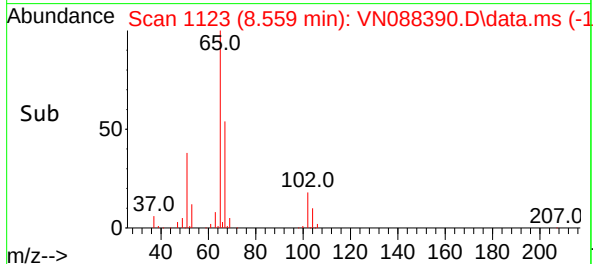
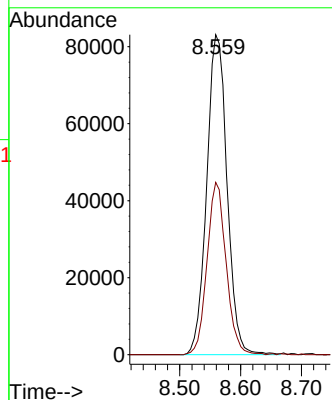
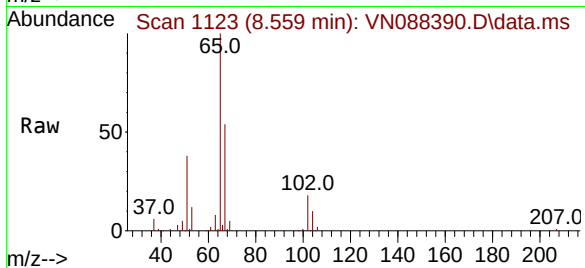
ClientSampleId :

Tgt Ion: 65 Resp: 192789

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088390.D

Acq: 01 Dec 2025 17:39

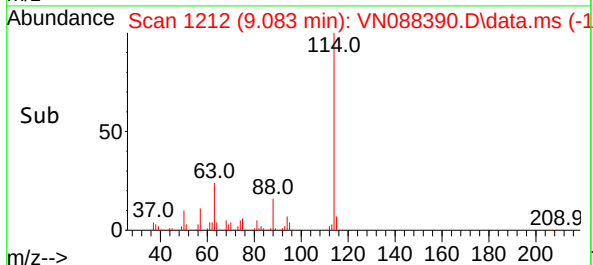
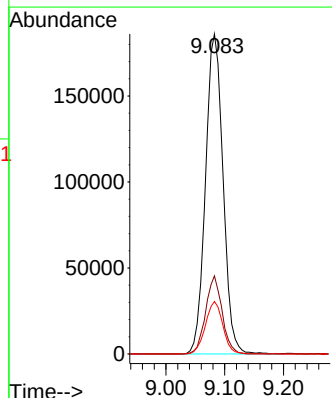
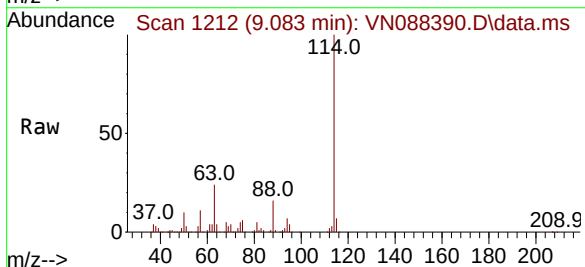
Tgt Ion: 114 Resp: 386817

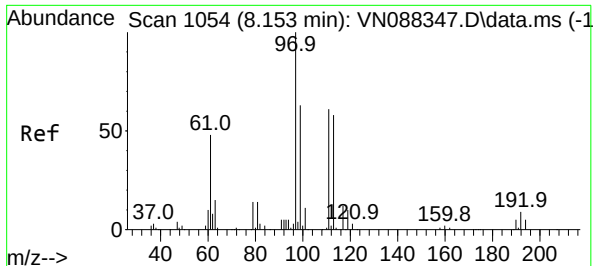
Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.0

88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 53.035 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

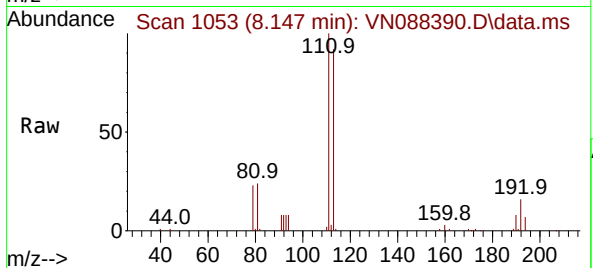
Lab File: VN088390.D

Acq: 01 Dec 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :



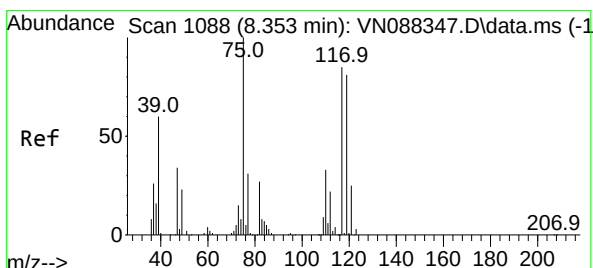
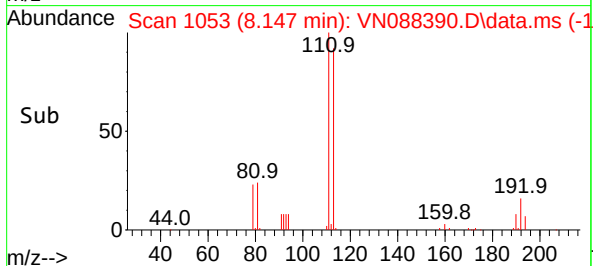
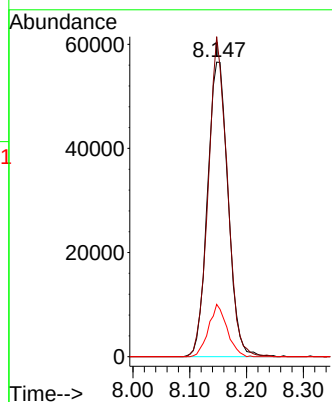
Tgt Ion:113 Resp: 142167

Ion Ratio Lower Upper

113 100

111 100.6 82.5 123.7

192 16.0 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.172 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088390.D

Acq: 01 Dec 2025 17:39

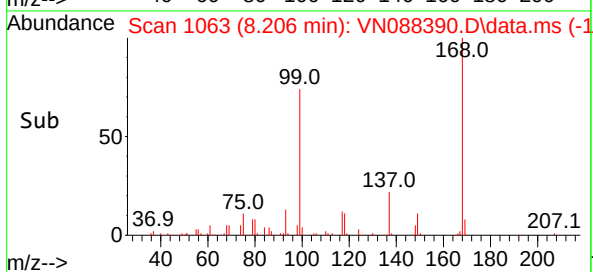
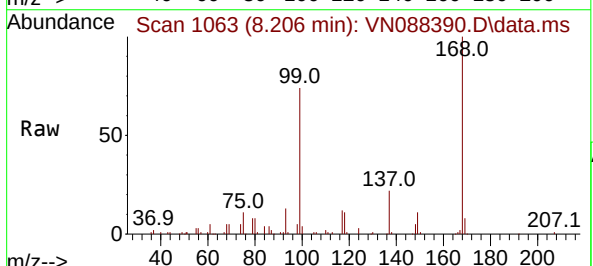
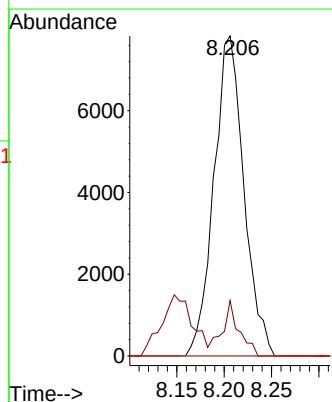
Tgt Ion: 75 Resp: 17260

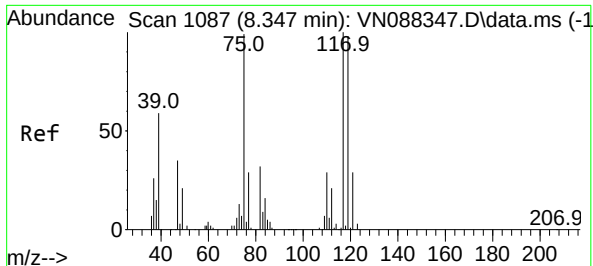
Ion Ratio Lower Upper

75 100

110 9.7 15.8 47.4#

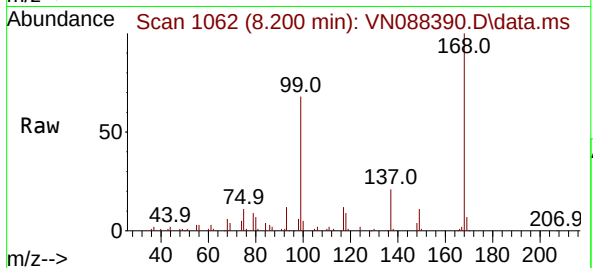
77 0.0 24.2 36.2#



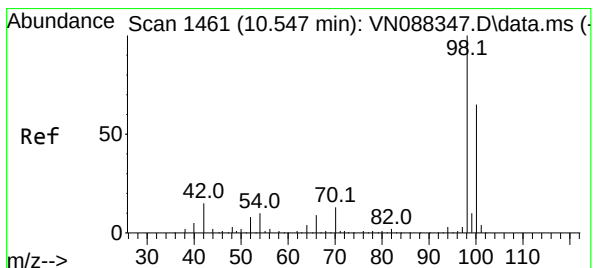
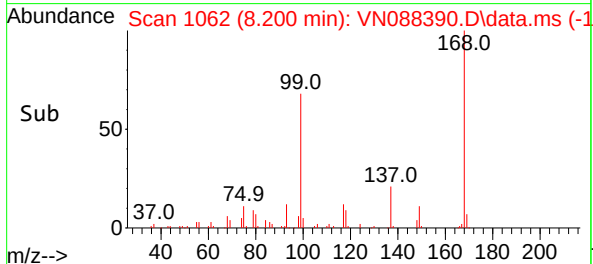
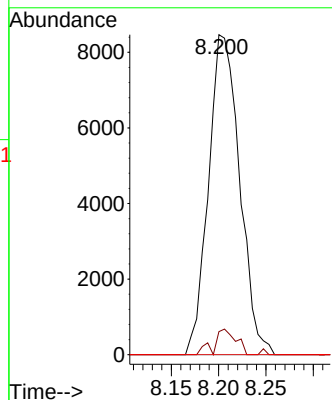


#38
Carbon Tetrachloride
Concen: 4.706 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :

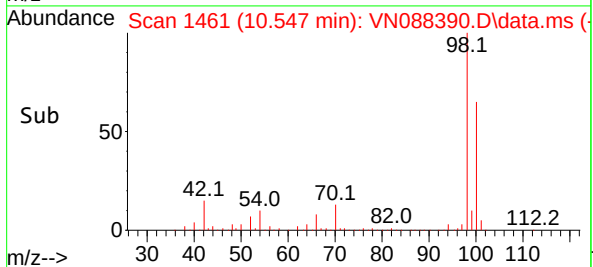
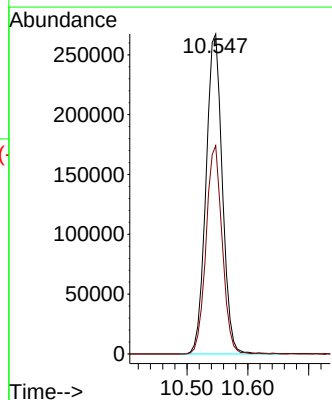
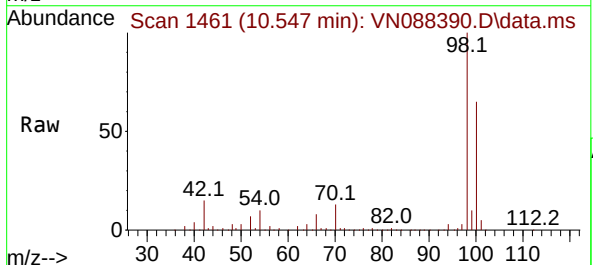


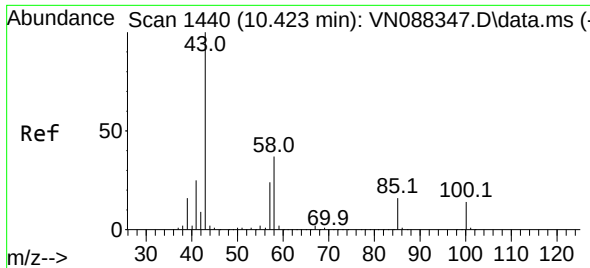
Tgt Ion:117 Resp: 19381
Ion Ratio Lower Upper
117 100
119 7.2 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 49.838 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Tgt Ion: 98 Resp: 497084
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

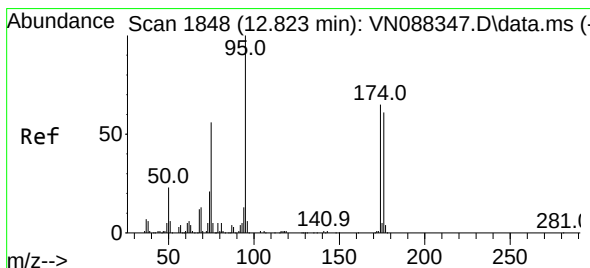
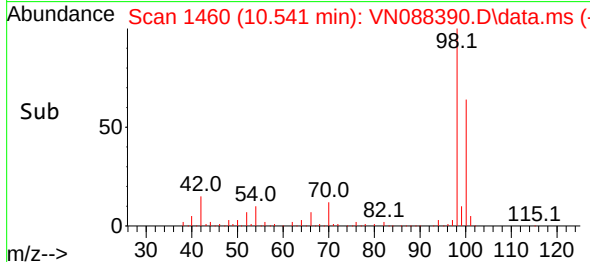
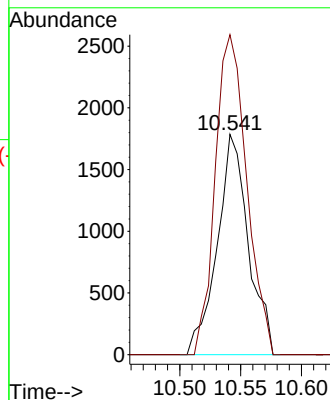
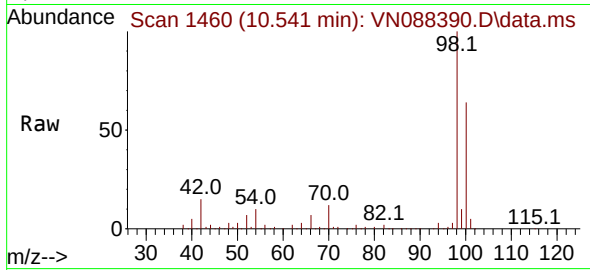




#51
 4-Methyl-2-Pentanone
 Concen: 0.649 ug/l
 RT: 10.541 min Scan# 1440
 Delta R.T. 0.118 min
 Lab File: VN088390.D
 Acq: 01 Dec 2025 17:39

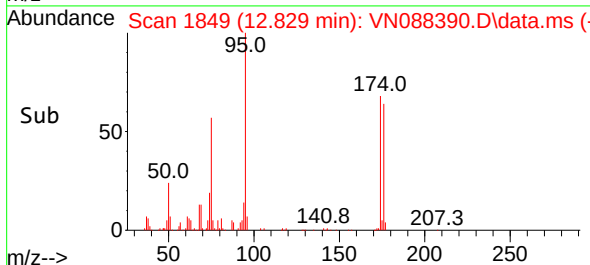
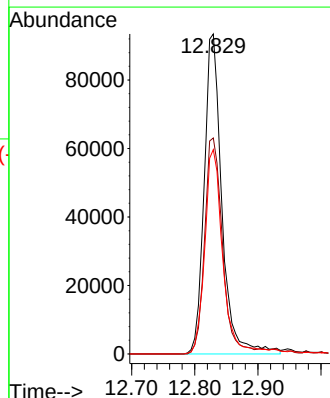
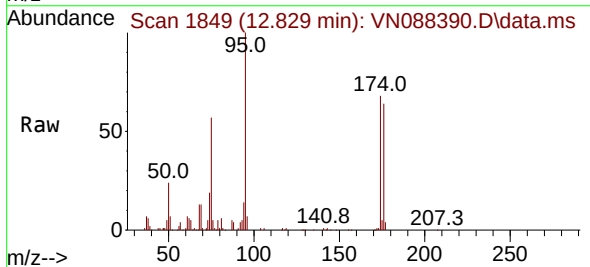
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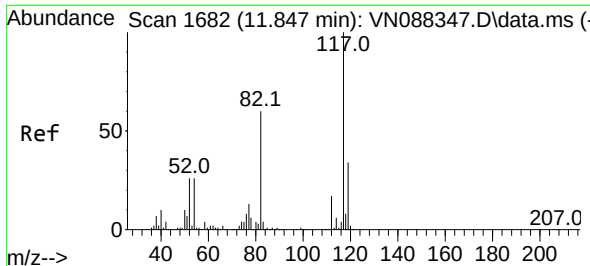
Tgt Ion: 43 Resp: 3179
 Ion Ratio Lower Upper
 43 100
 58 146.9 29.1 43.7#



#62
 4-Bromofluorobenzene
 Concen: 53.228 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: VN088390.D
 Acq: 01 Dec 2025 17:39

Tgt Ion: 95 Resp: 182162
 Ion Ratio Lower Upper
 95 100
 174 67.6 0.0 139.0
 176 64.8 0.0 132.4

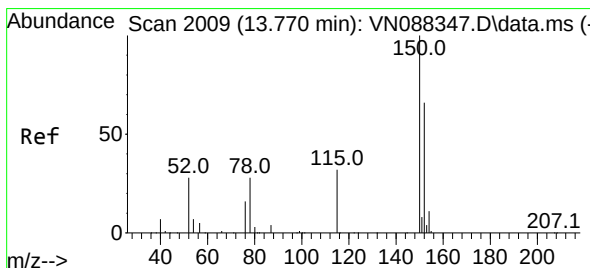
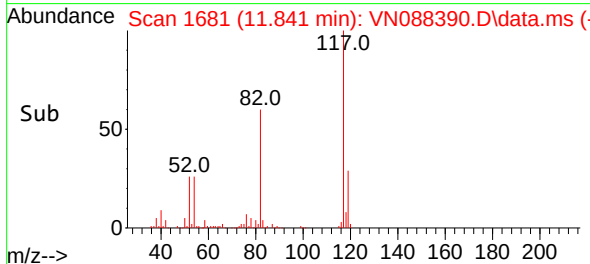
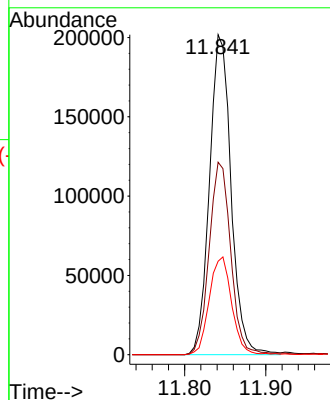
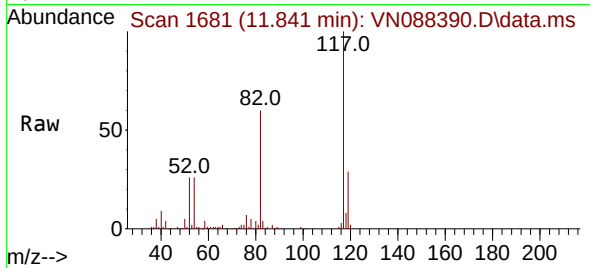




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

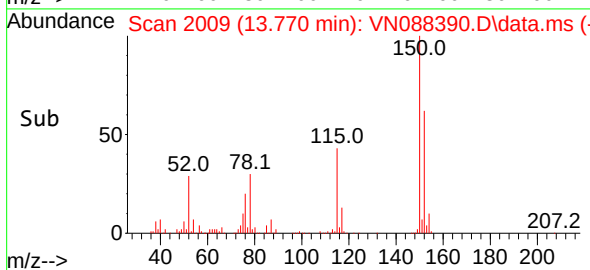
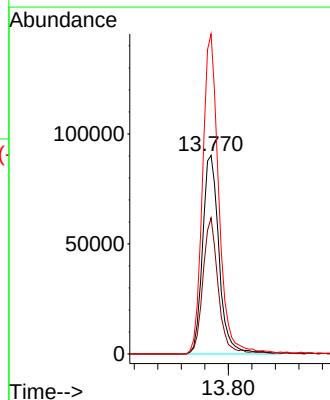
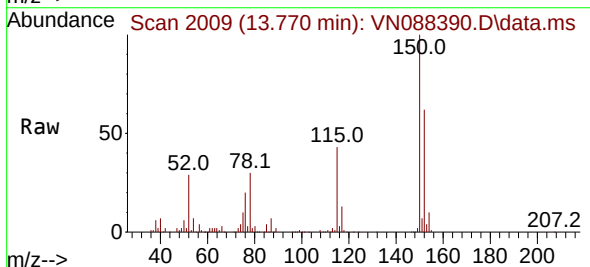
Instrument :
MSVOA_N
ClientSampleId :

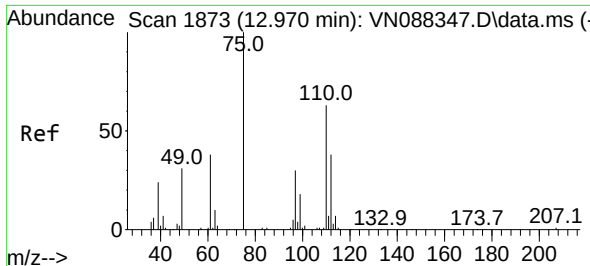
Tgt Ion:117 Resp: 372510
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 29.2 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Tgt Ion:152 Resp: 175948
Ion Ratio Lower Upper
152 100
115 63.9 33.0 98.9
150 158.2 0.0 349.0

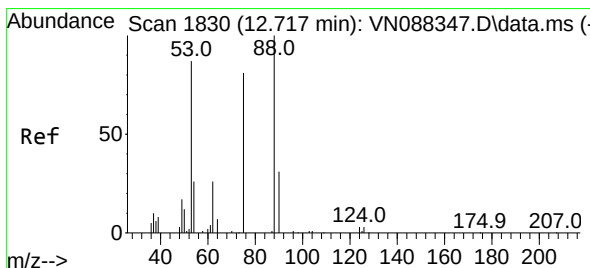
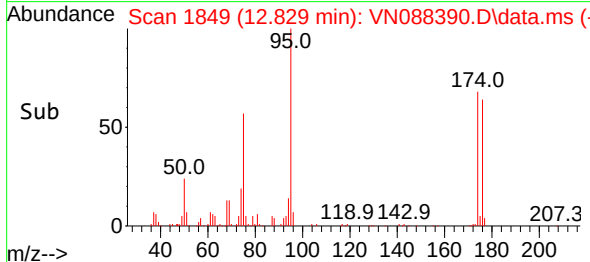
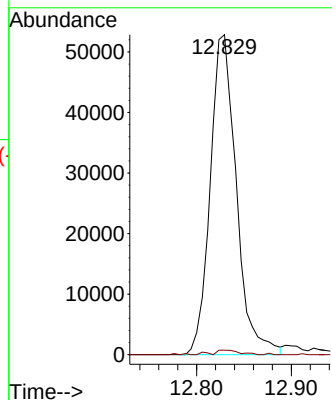
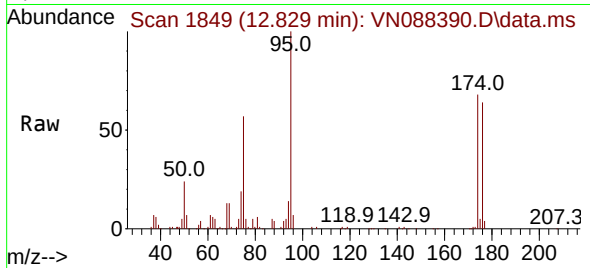




#76
1,2,3-Trichloropropane
Concen: 24.573 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 101265
Ion Ratio Lower Upper
75 100
77 1.5 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.712 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088390.D
Acq: 01 Dec 2025 17:39

Tgt Ion: 75 Resp: 101265
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0

