

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087089.D
 Acq On : 18 Jun 2025 16:30
 Operator : JC\MD
 Sample : Q2329-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20250613

Quant Time: Jun 19 01:31:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

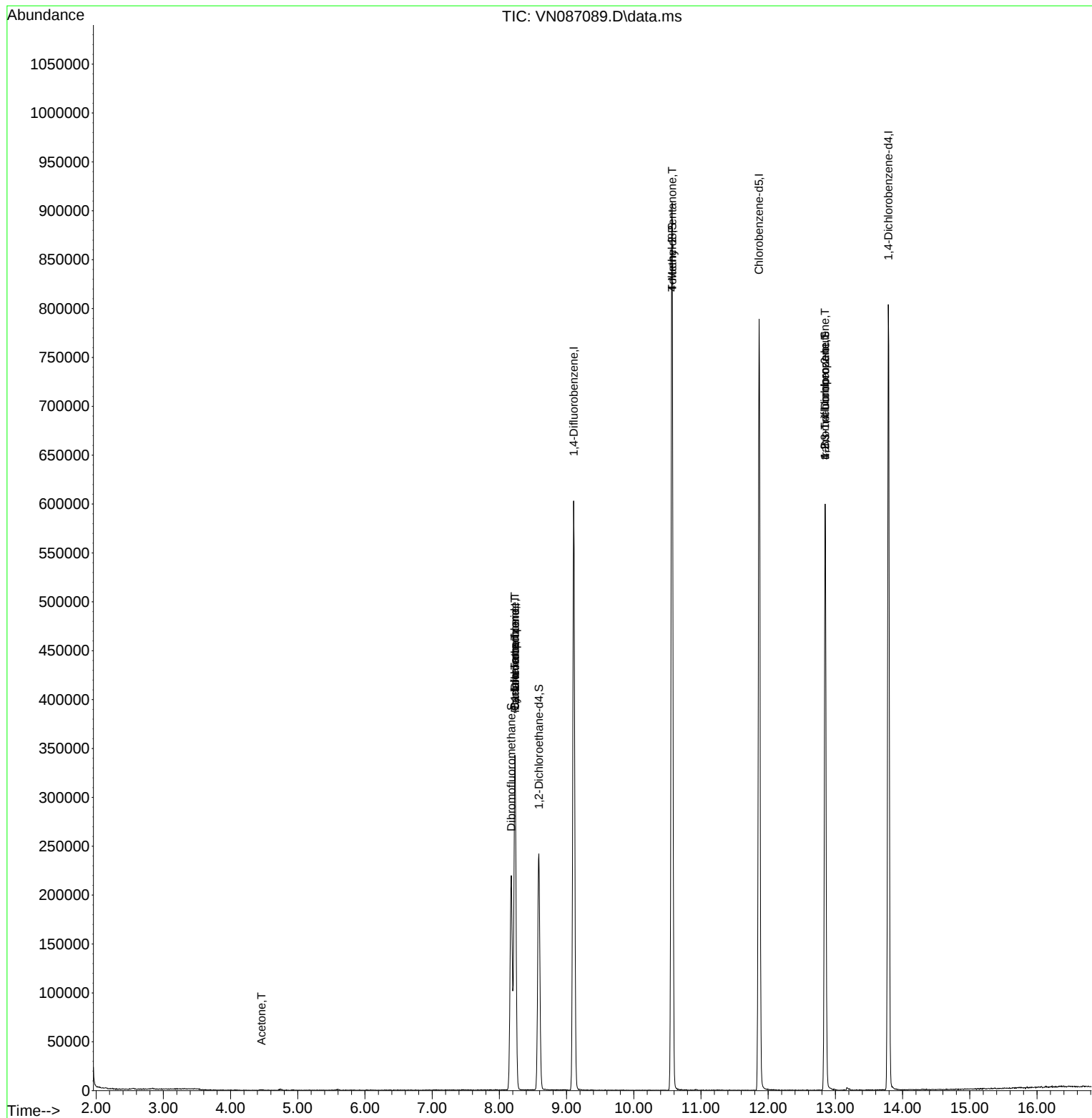
Internal Standards						
1) Pentafluorobenzene	8.235	168	270167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	555521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	502443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	235183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	198127	54.773	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.540%			
35) Dibromofluoromethane	8.177	113	170402	51.760	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	10.571	98	680620	52.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.847	95	240178	49.603	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.200%			
Target Compounds					Qvalue	
16) Acetone	4.459	43	930	0.485	ug/l	91
31) Cyclohexane	8.230	56	4807	0.819	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	20248	4.127	ug/l #	48
38) Carbon Tetrachloride	8.230	117	26373	5.476	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	2323	0.385	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	110818	19.823	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110818	45.631	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

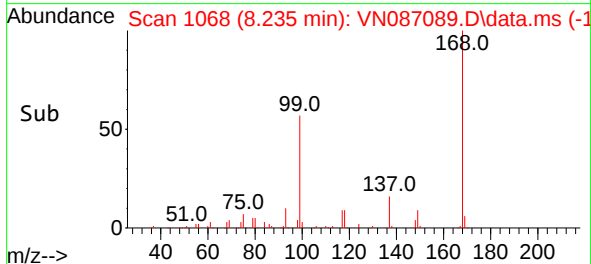
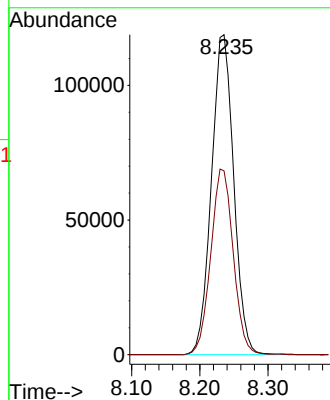
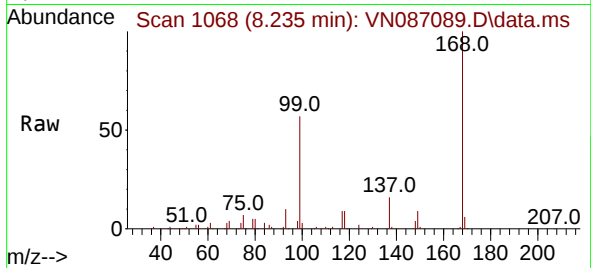




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

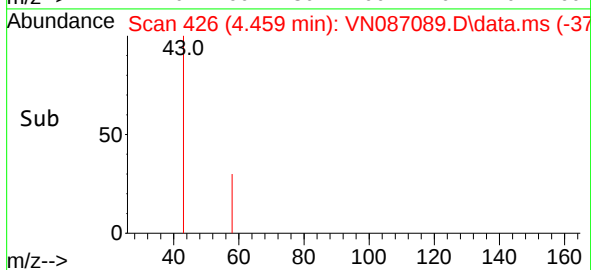
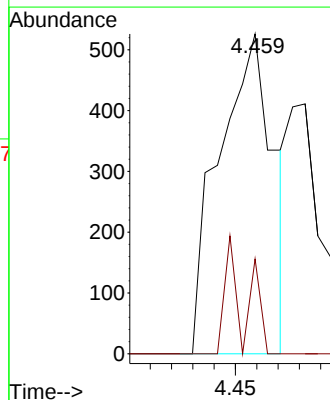
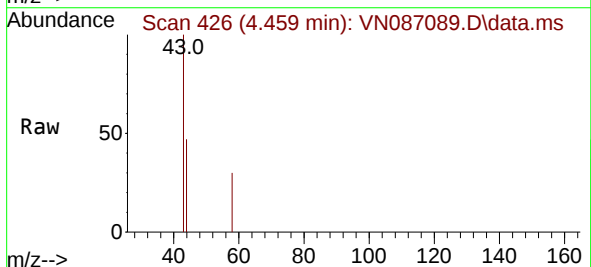
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20250613

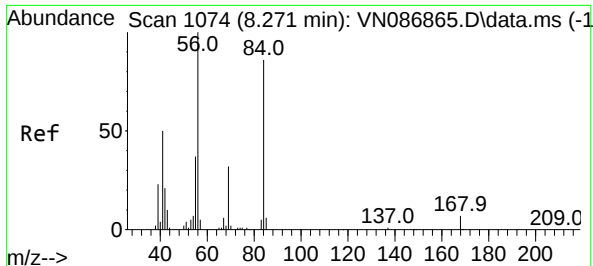
Tgt Ion:168 Resp: 270167
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#16
Acetone
Concen: 0.485 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 29.7 28.0 42.0

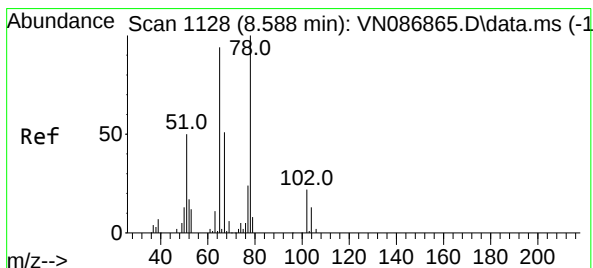
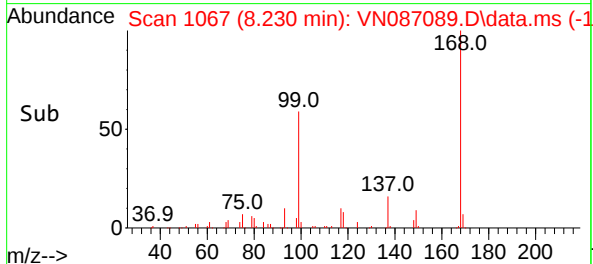
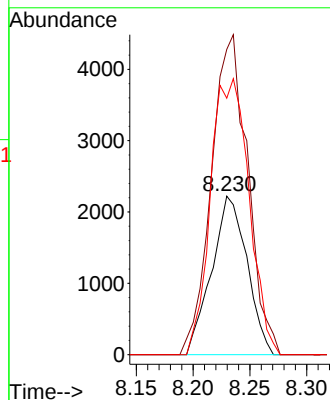
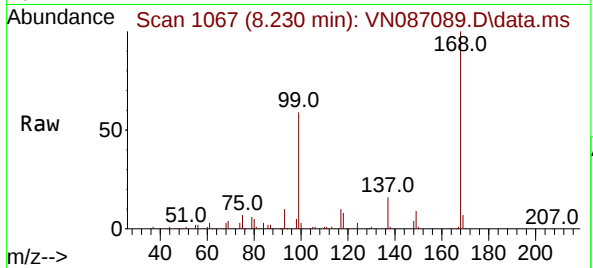




#31
Cyclohexane
Concen: 0.819 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

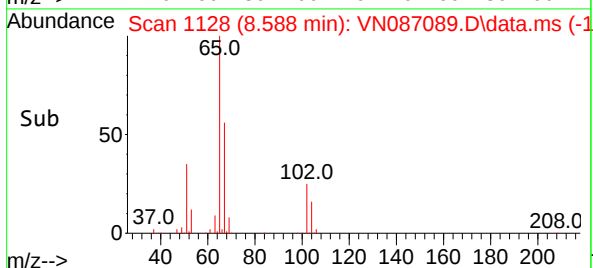
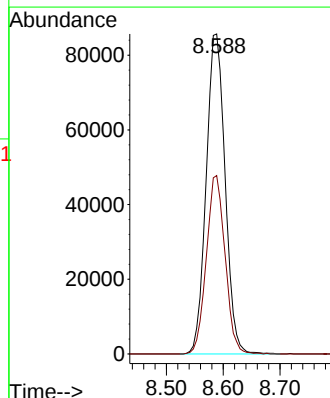
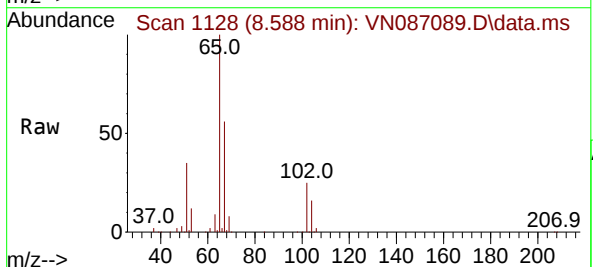
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20250613

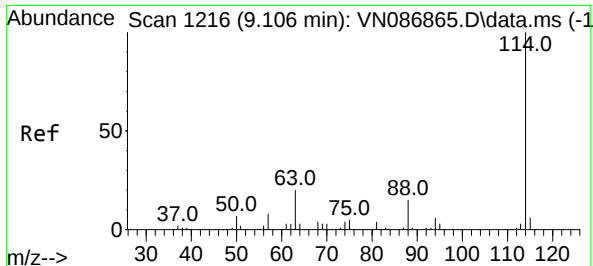
Tgt Ion: 56 Resp: 4807
Ion Ratio Lower Upper
56 100
69 192.5 25.4 38.0#
84 161.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 54.773 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion: 65 Resp: 198127
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087089.D

Acq: 18 Jun 2025 16:30

Instrument :

MSVOA_N

ClientSampleId :

DUP03-20250613

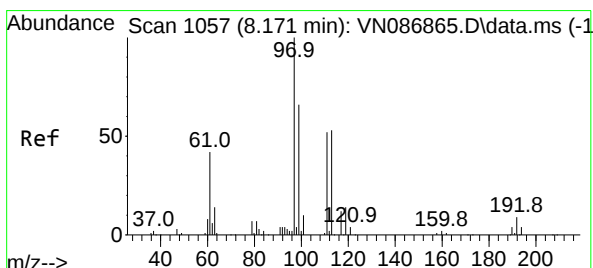
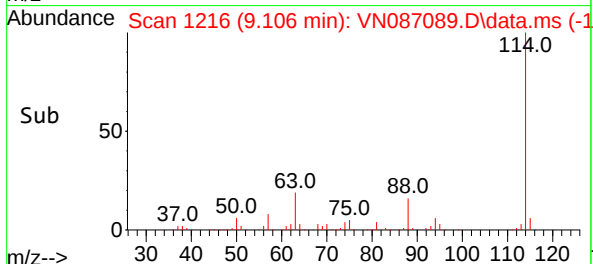
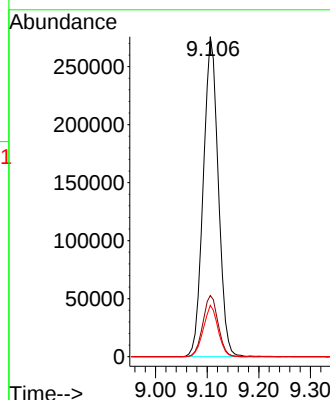
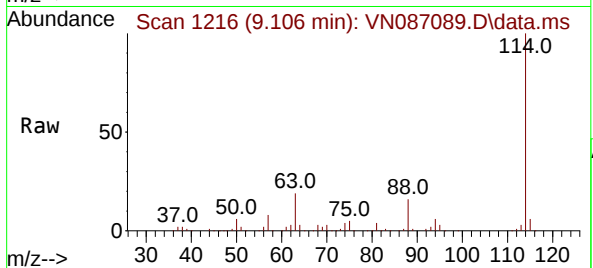
Tgt Ion:114 Resp: 555521

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.760 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087089.D

Acq: 18 Jun 2025 16:30

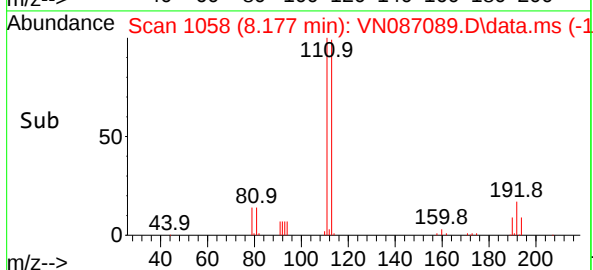
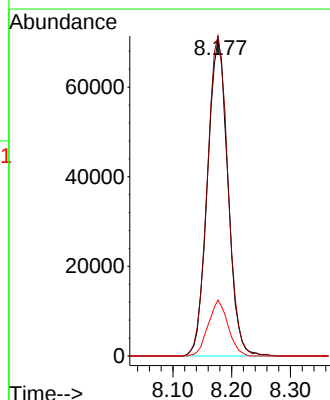
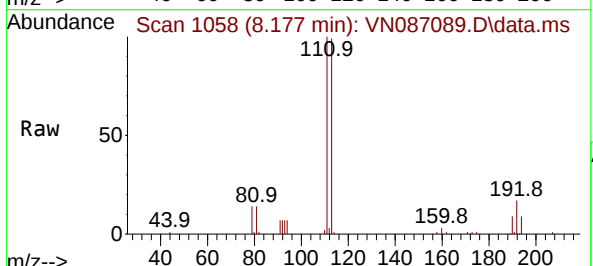
Tgt Ion:113 Resp: 170402

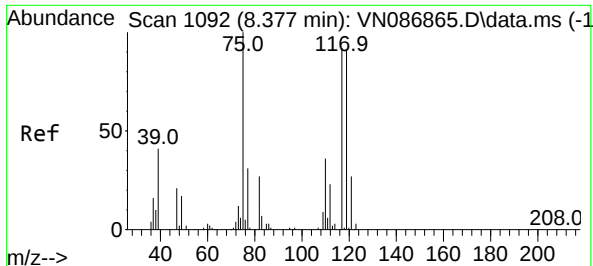
Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.2

192 17.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.127 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087089.D

Acq: 18 Jun 2025 16:30

Instrument :

MSVOA_N

ClientSampleId :

DUP03-20250613

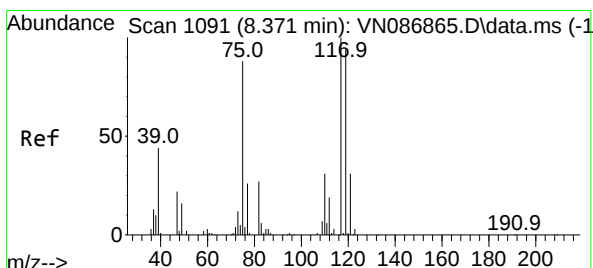
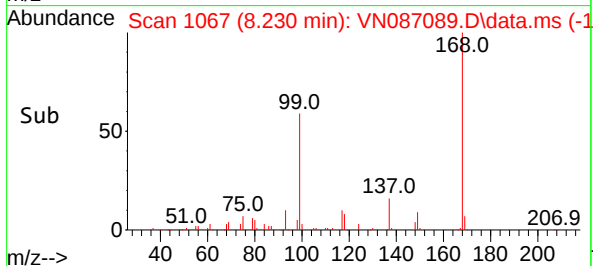
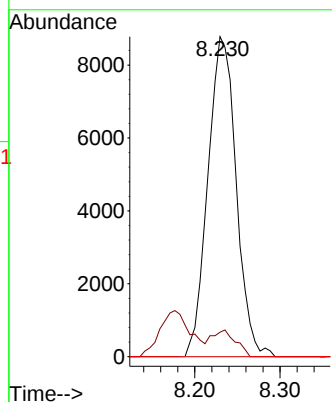
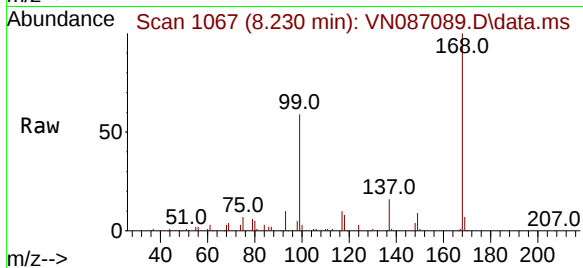
Tgt Ion: 75 Resp: 20248

Ion Ratio Lower Upper

75 100

110 7.1 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.476 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087089.D

Acq: 18 Jun 2025 16:30

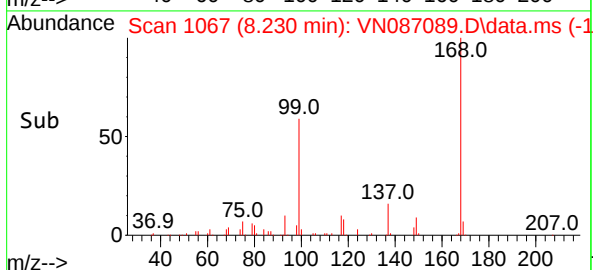
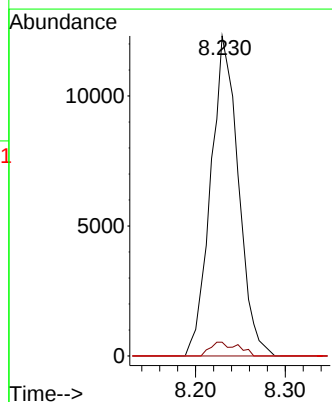
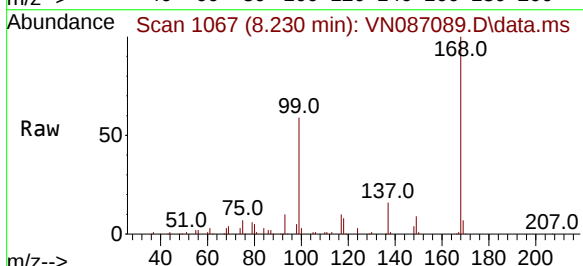
Tgt Ion: 117 Resp: 26373

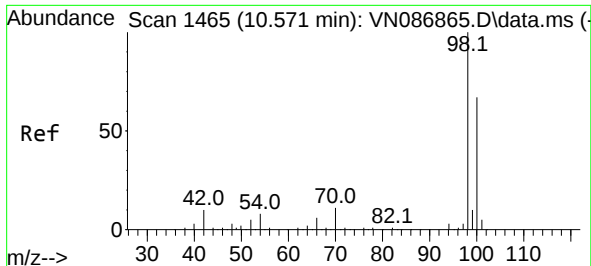
Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 24.9 37.3#

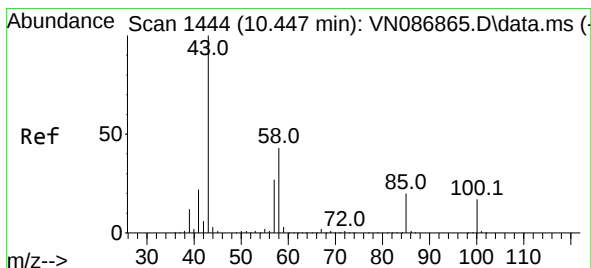
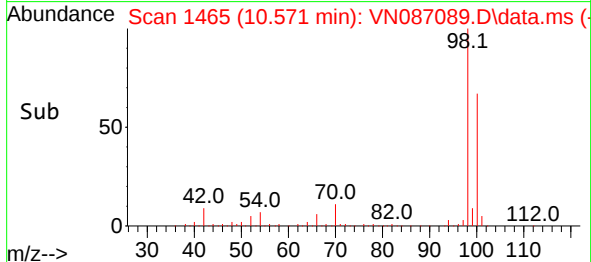
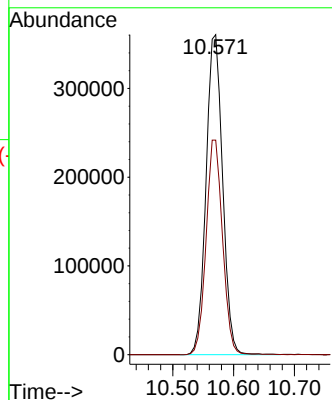
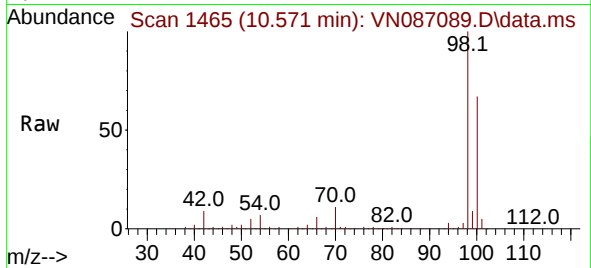




#50
Toluene-d8
Concen: 52.224 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

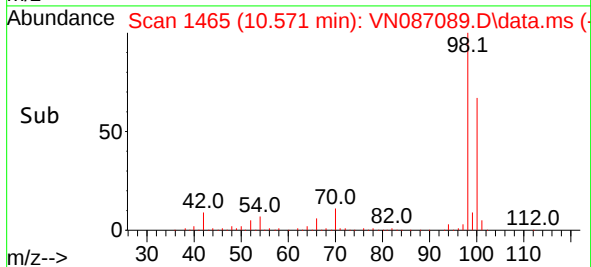
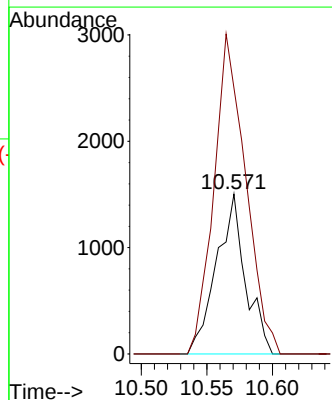
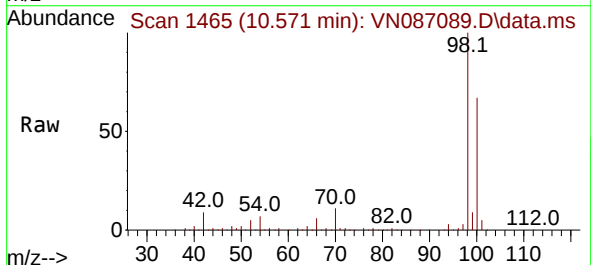
Instrument :
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DUP03-20250613

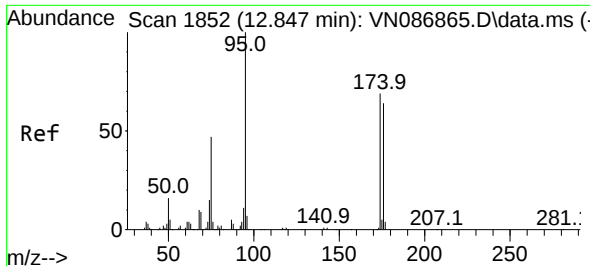
Tgt Ion: 98 Resp: 680620
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.385 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion: 43 Resp: 2323
Ion Ratio Lower Upper
43 100
58 218.0 34.2 51.4#

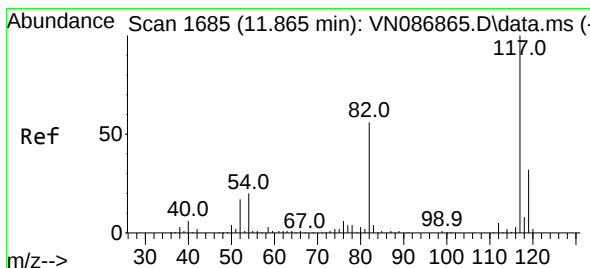
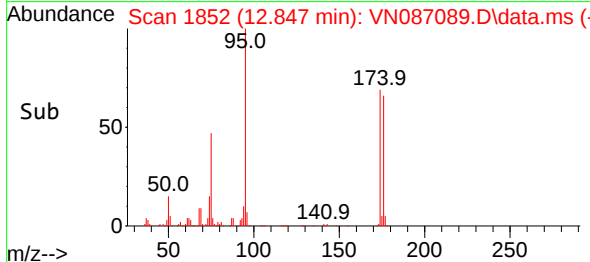
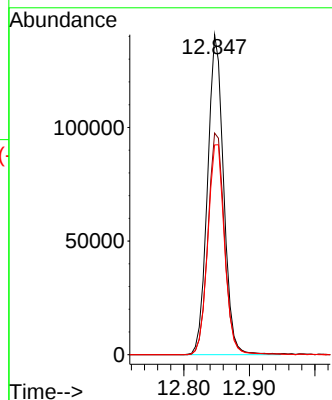
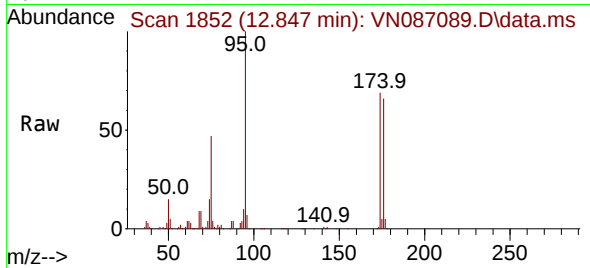




#62
4-Bromofluorobenzene
Concen: 49.603 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

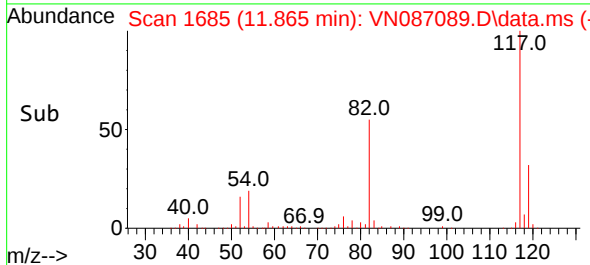
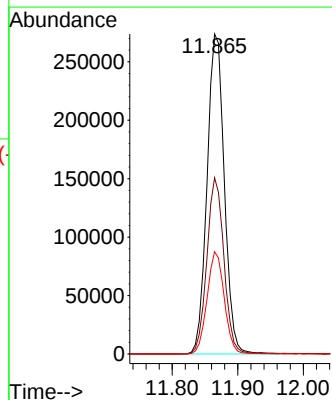
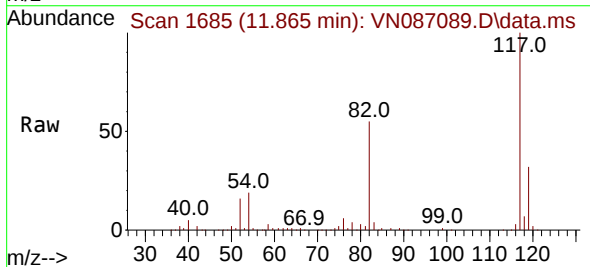
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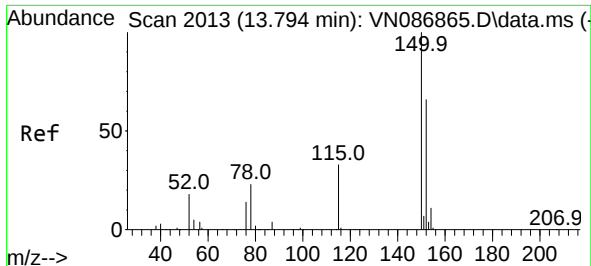
Tgt Ion: 95 Resp: 240178
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Tgt Ion: 117 Resp: 502443
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.0 25.5 38.3

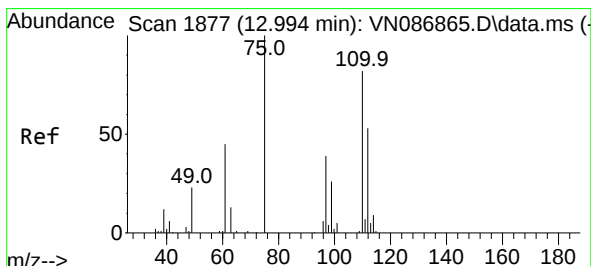
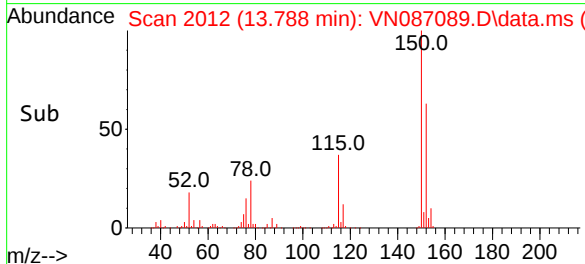
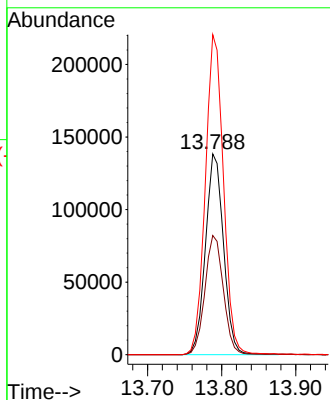
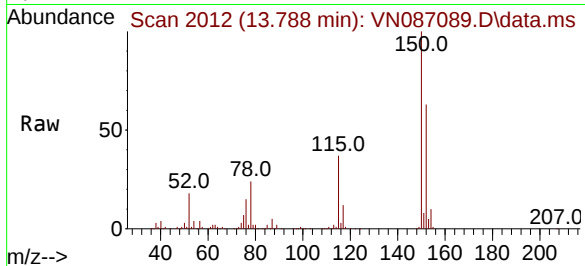




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087089.D
 Acq: 18 Jun 2025 16:30

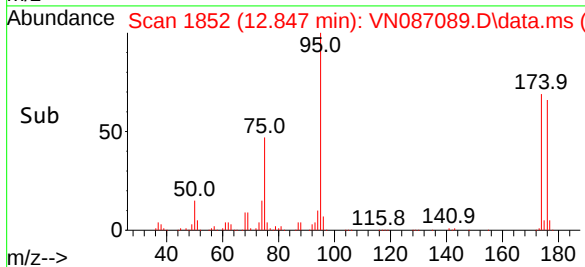
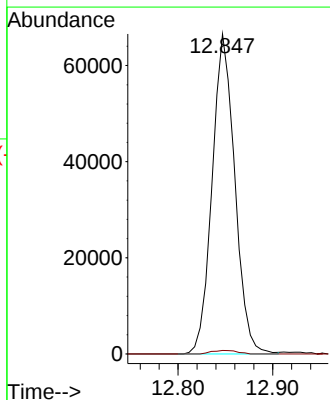
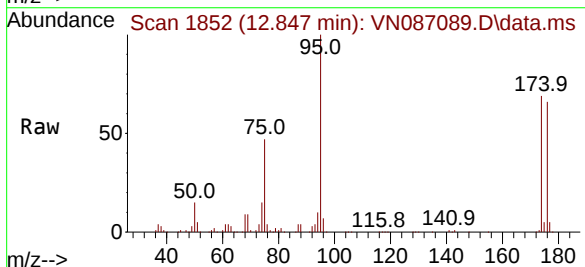
Instrument :
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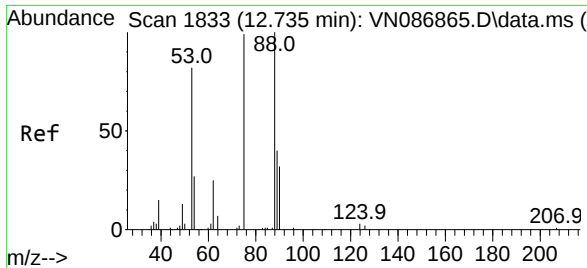
Tgt Ion:152 Resp: 235183
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.1 90.5
 150 159.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.823 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087089.D
 Acq: 18 Jun 2025 16:30

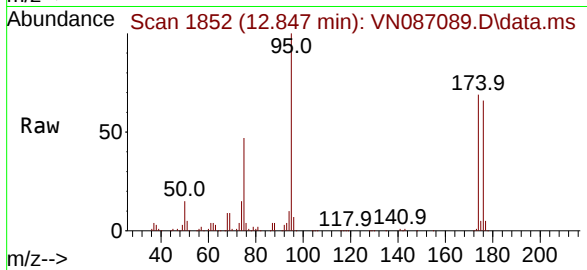
Tgt Ion: 75 Resp: 110818
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 45.631 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087089.D
Acq: 18 Jun 2025 16:30

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20250613



Tgt Ion: 75 Resp: 110818
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

