

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087146.D
 Acq On : 20 Jun 2025 17:34
 Operator : JC\MD
 Sample : Q2377-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-B6-L66-061925

Quant Time: Jun 20 23:10:32 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)

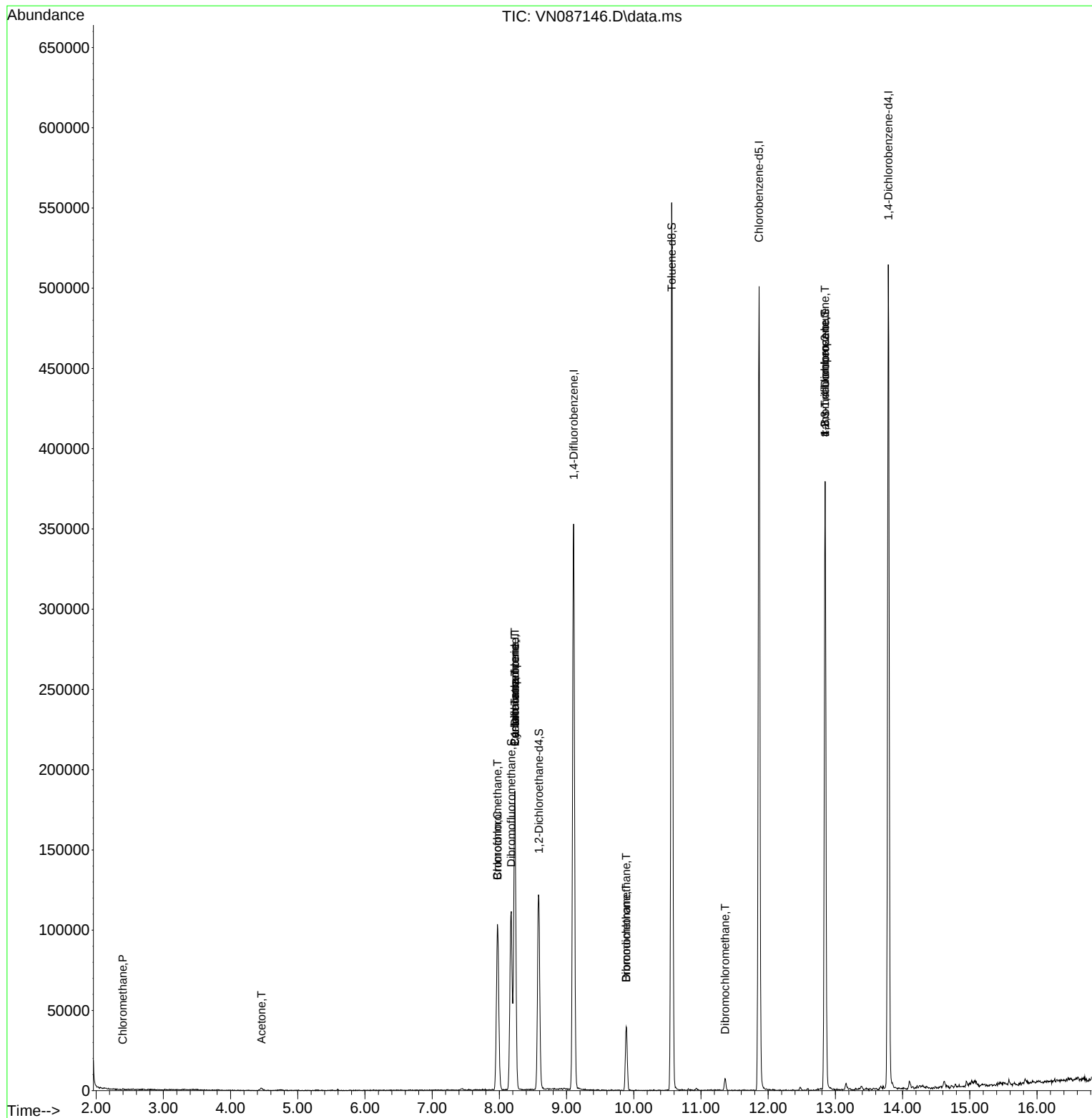
Internal Standards						
1) Pentafluorobenzene	8.230	168	148283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103306	52.034	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.060%	
35) Dibromofluoromethane	8.177	113	87015	43.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 86.000%	
50) Toluene-d8	10.565	98	414062	51.692	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.380%	
62) 4-Bromofluorobenzene	12.847	95	152558	51.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	421	0.221	ug/l #	73
16) Acetone	4.459	43	2613	2.482	ug/l #	84
28) Bromochloromethane	7.971	49	6812	4.173	ug/l #	13
30) Chloroform	7.971	83	108409	32.694	ug/l	95
31) Cyclohexane	8.230	56	2348	0.729	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	10299	3.416	ug/l #	49
38) Carbon Tetrachloride	8.230	117	14941	5.047	ug/l #	16
46) Dibromomethane	9.888	93	747	0.469	ug/l #	5
47) Bromodichloromethane	9.888	83	30162	9.201	ug/l	97
60) Dibromochloromethane	11.359	129	4754	1.968	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	68896	18.825	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68896	43.335	ug/l #	16

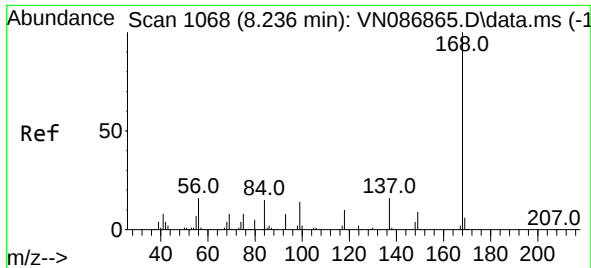
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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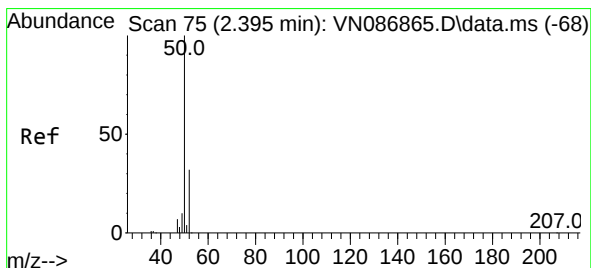
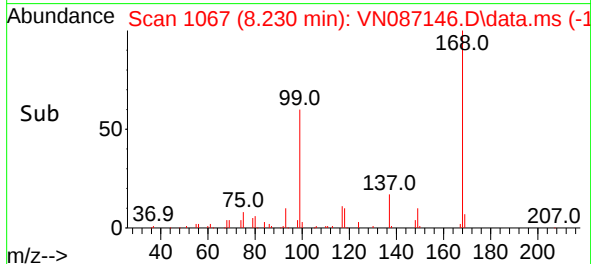
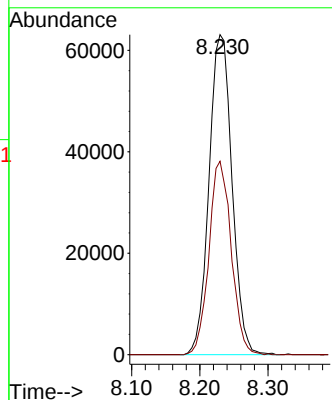
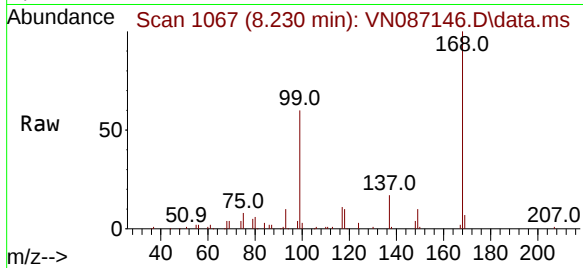




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

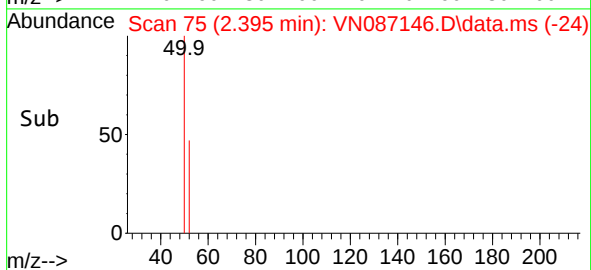
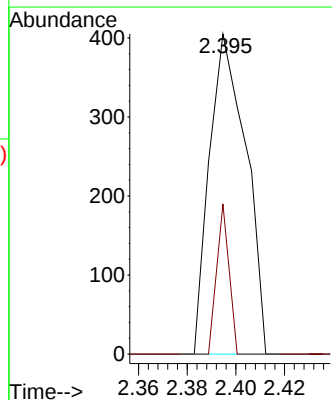
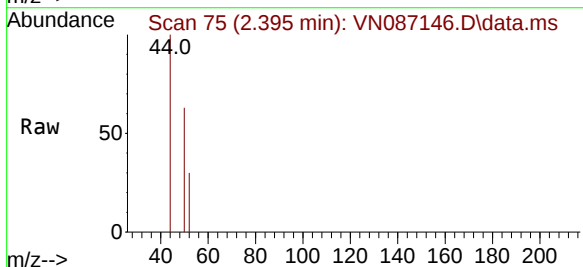
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

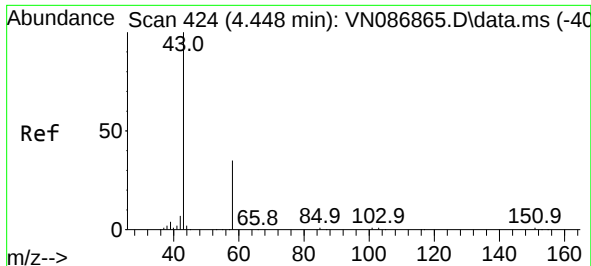
Tgt Ion:168 Resp: 148283
Ion Ratio Lower Upper
168 100
99 60.5 49.1 73.7



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 46.9 25.7 38.5#

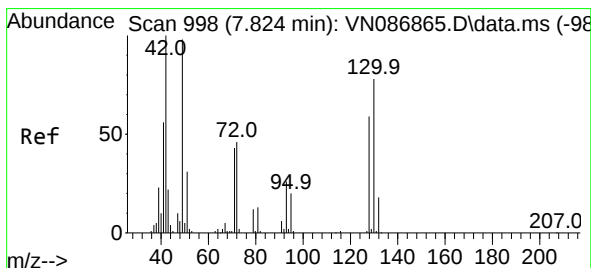
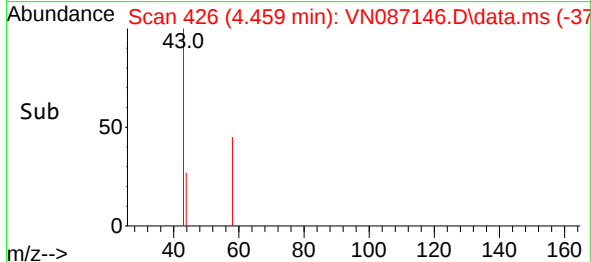
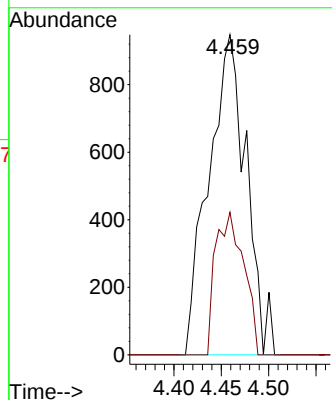
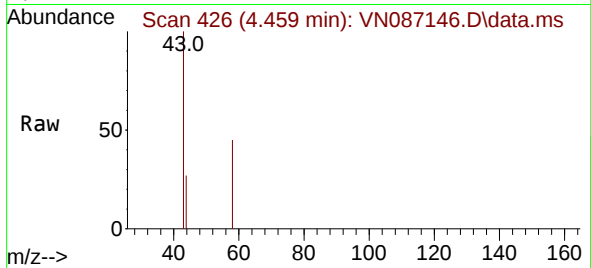




#16
Acetone
Concen: 2.482 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

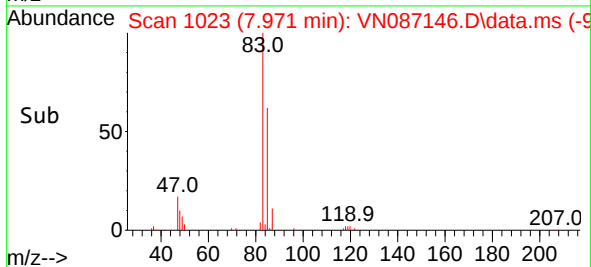
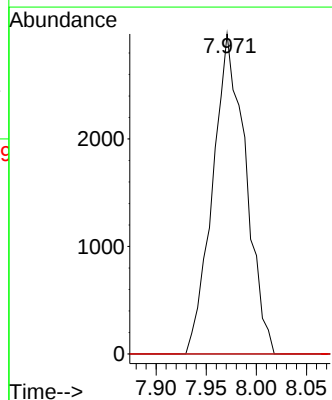
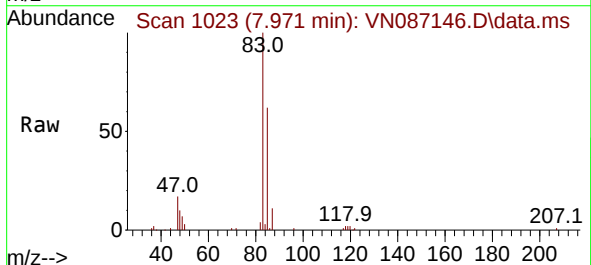
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

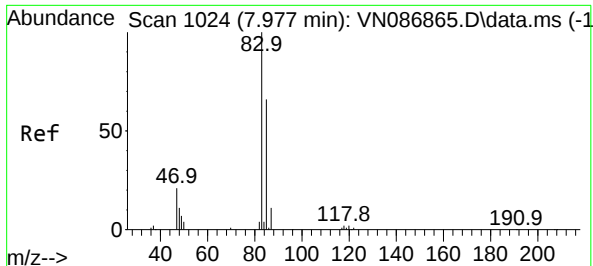
Tgt Ion: 43 Resp: 2613
Ion Ratio Lower Upper
43 100
58 44.5 28.0 42.0#



#28
Bromochloromethane
Concen: 4.173 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.147 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion: 49 Resp: 6812
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 62.2 93.2#

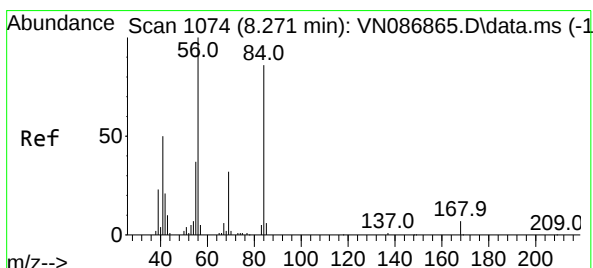
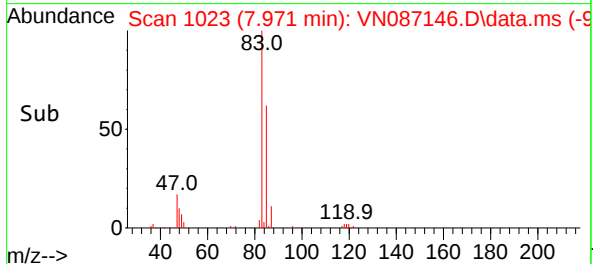
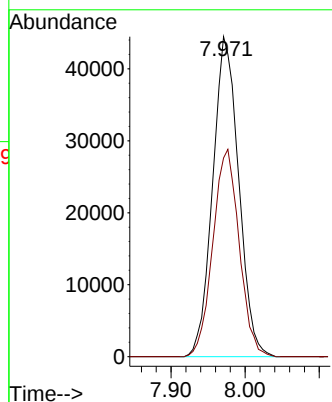
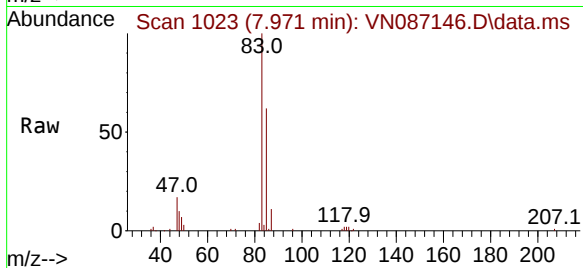




#30
Chloroform
Concen: 32.694 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

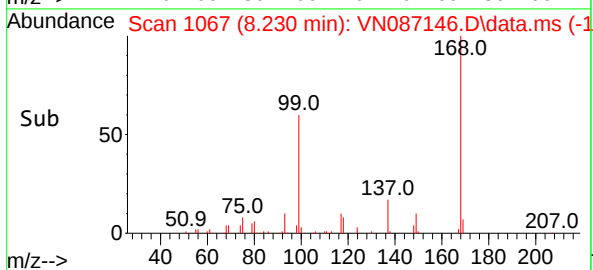
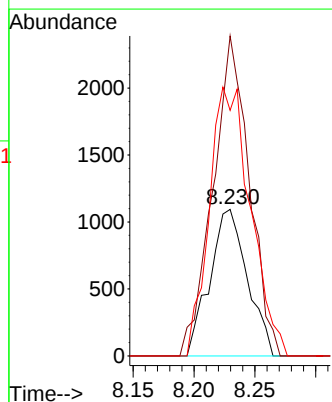
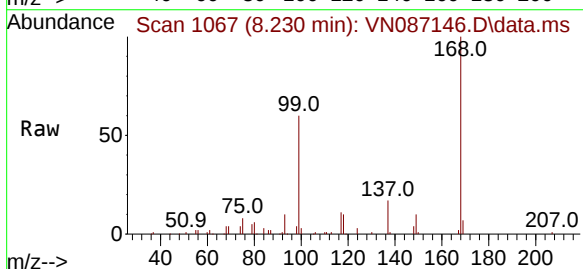
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

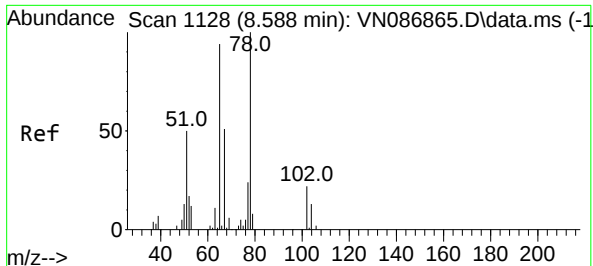
Tgt Ion: 83 Resp: 108409
Ion Ratio Lower Upper
83 100
85 62.1 52.9 79.3



#31
Cyclohexane
Concen: 0.729 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion: 56 Resp: 2348
Ion Ratio Lower Upper
56 100
69 218.4 25.4 38.0#
84 167.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.034 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087146.D

Acq: 20 Jun 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

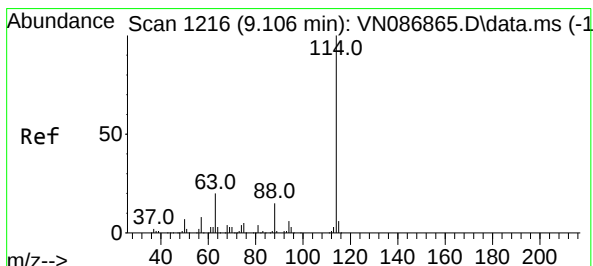
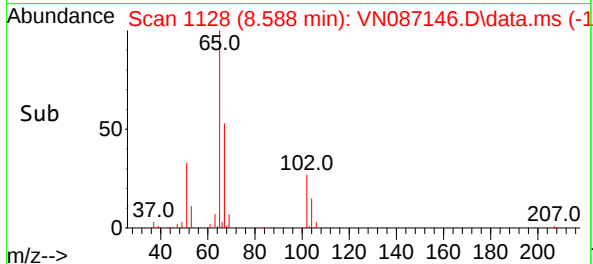
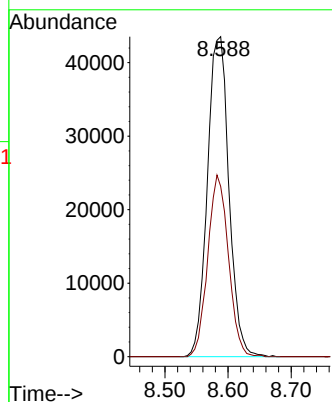
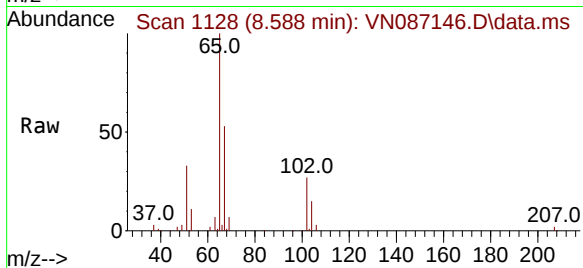
PW-B6-L66-061925

Tgt Ion: 65 Resp: 103306

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087146.D

Acq: 20 Jun 2025 17:34

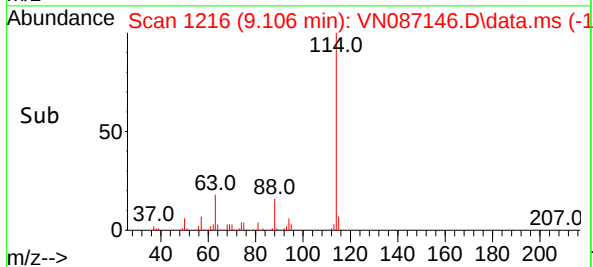
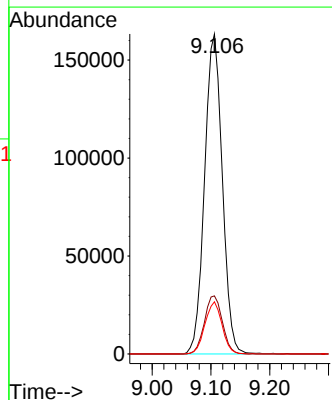
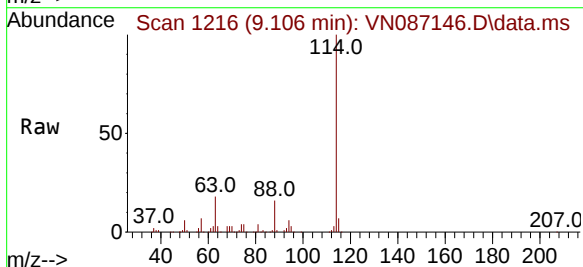
Tgt Ion: 114 Resp: 341431

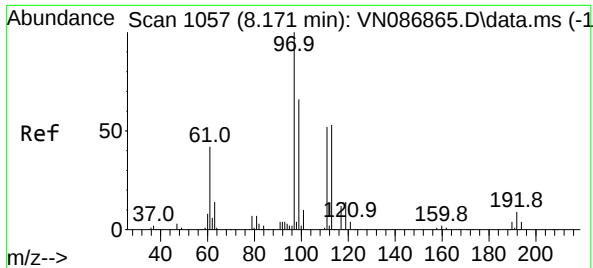
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 16.3 0.0 30.2

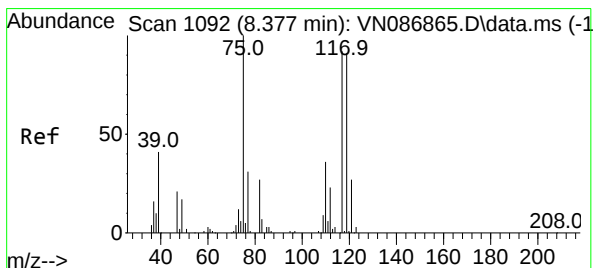
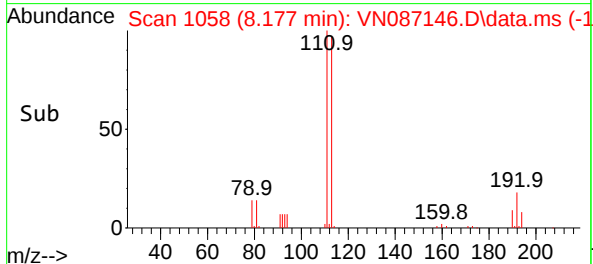
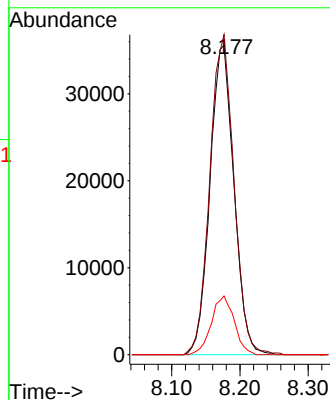
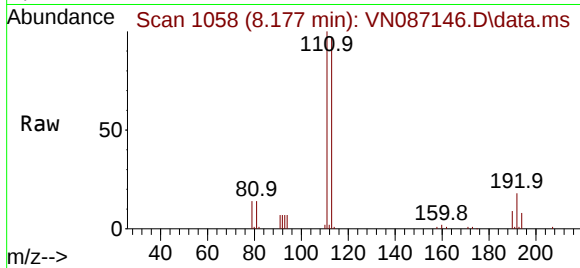




#35
Dibromofluoromethane
Concen: 43.004 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

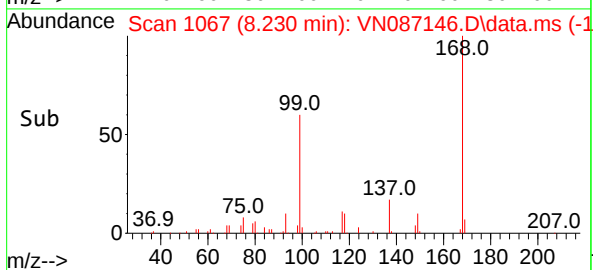
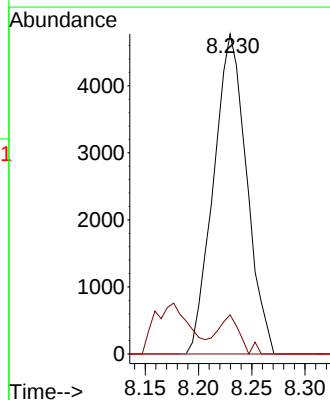
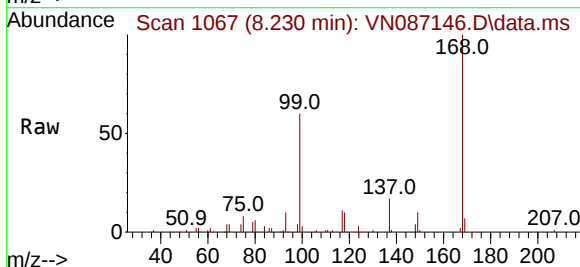
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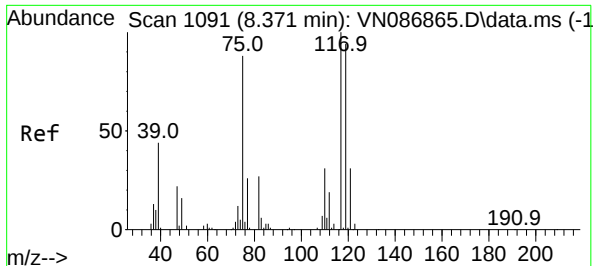
Tgt Ion:113 Resp: 87015
Ion Ratio Lower Upper
113 100
111 104.1 84.2 126.2
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 3.416 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion: 75 Resp: 10299
Ion Ratio Lower Upper
75 100
110 8.4 17.6 52.9#
77 0.0 25.3 37.9#

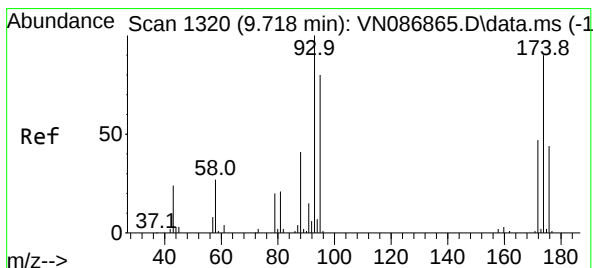
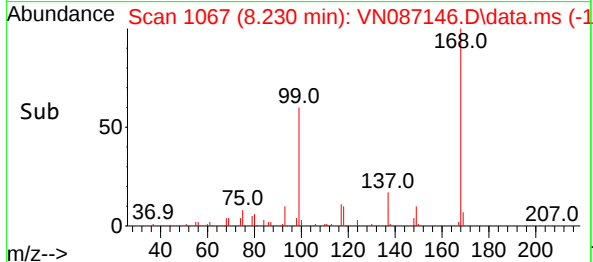
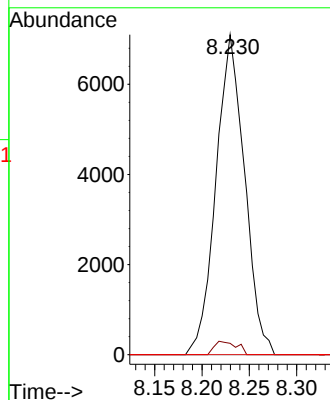
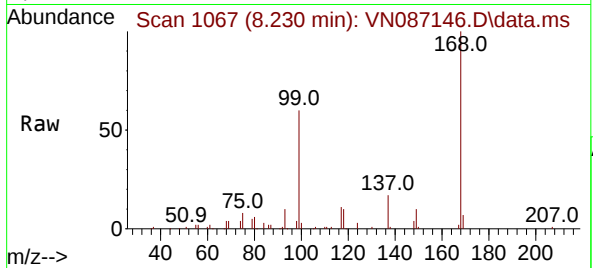




#38
Carbon Tetrachloride
Concen: 5.047 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

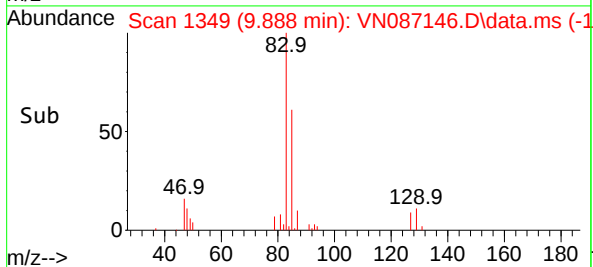
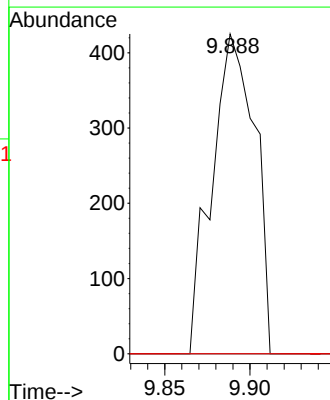
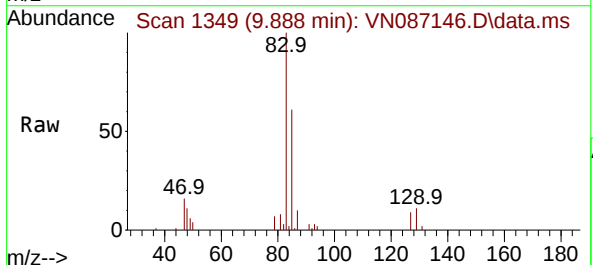
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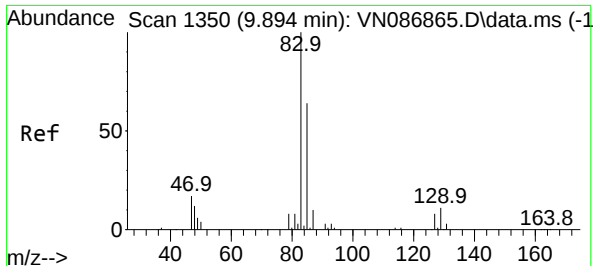
Tgt Ion:117 Resp: 14941
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.6#
121 0.0 24.9 37.3#



#46
Dibromomethane
Concen: 0.469 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.170 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion: 93 Resp: 747
Ion Ratio Lower Upper
93 100
95 0.0 67.1 100.7#
174 0.0 74.2 111.4#





#47

Bromodichloromethane

Concen: 9.201 ug/l

RT: 9.888 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN087146.D

Acq: 20 Jun 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

PW-B6-L66-061925

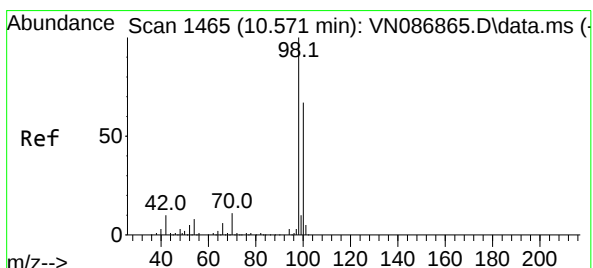
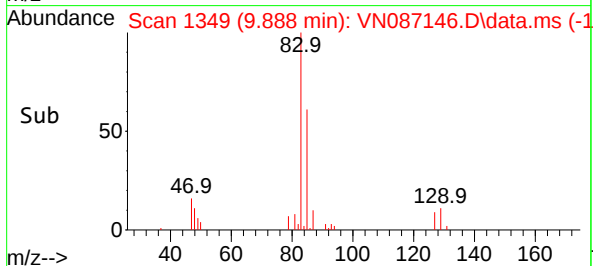
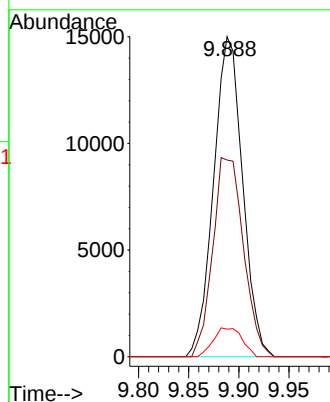
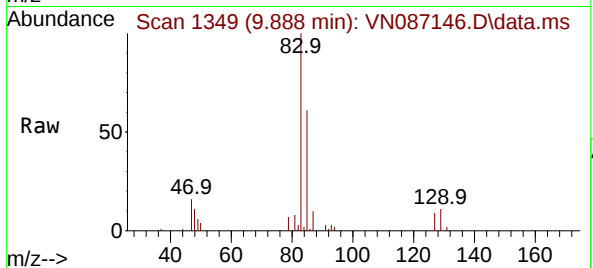
Tgt Ion: 83 Resp: 30162

Ion Ratio Lower Upper

83 100

85 61.4 50.9 76.3

127 8.6 6.6 10.0



#50

Toluene-d8

Concen: 51.692 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087146.D

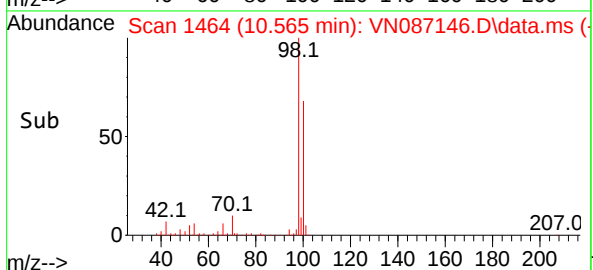
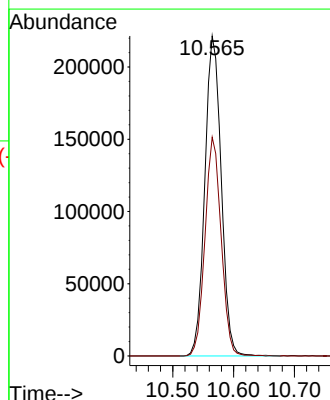
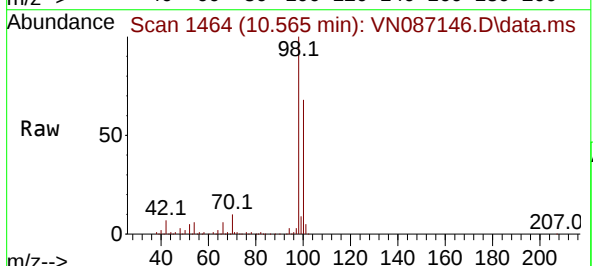
Acq: 20 Jun 2025 17:34

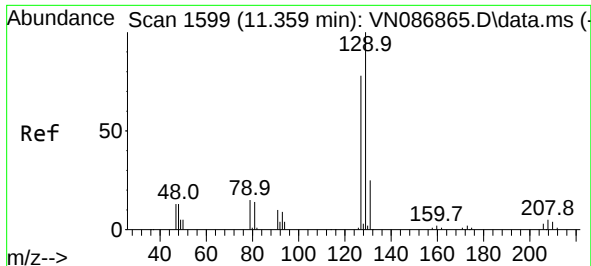
Tgt Ion: 98 Resp: 414062

Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.0

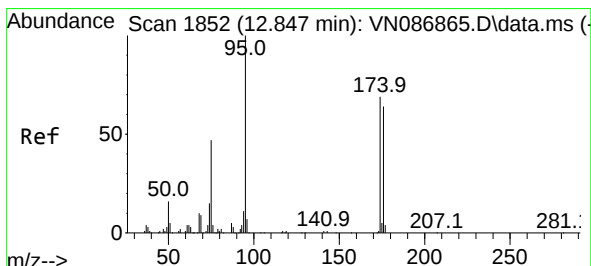
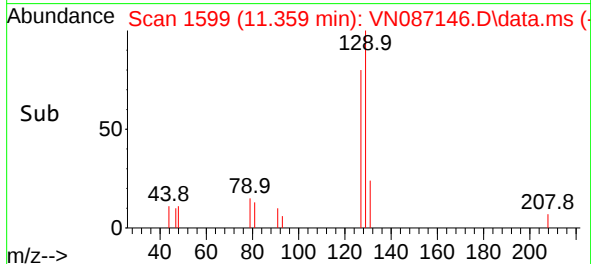
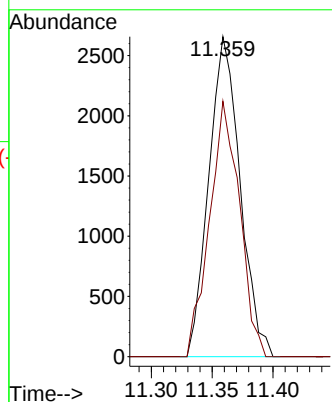
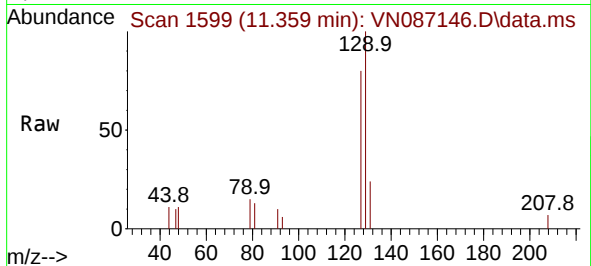




#60
Dibromochloromethane
Concen: 1.968 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

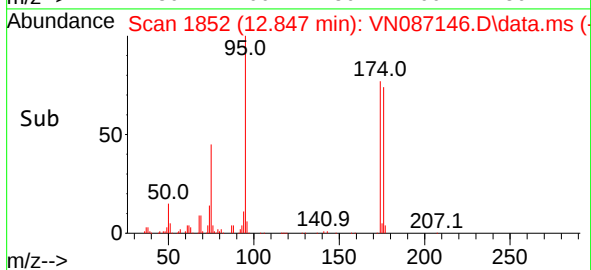
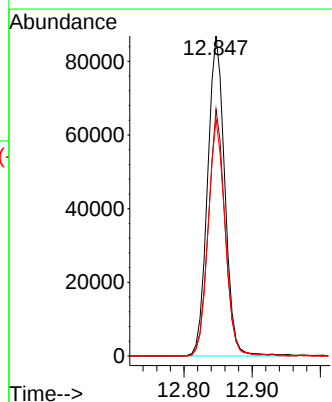
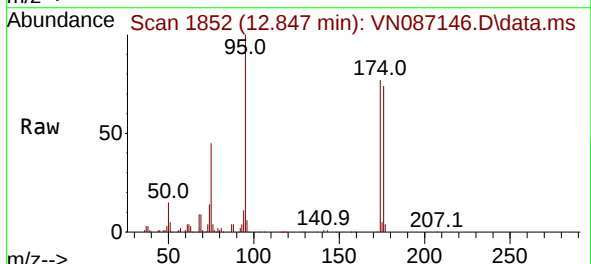
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

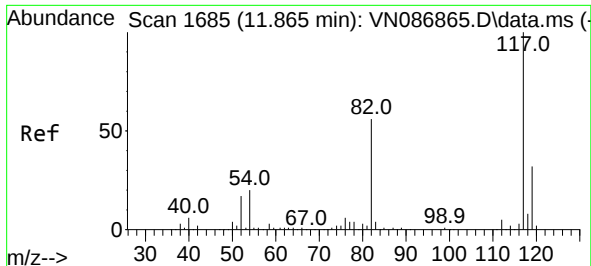
Tgt Ion:129 Resp: 4754
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8



#62
4-Bromofluorobenzene
Concen: 51.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion: 95 Resp: 152558
Ion Ratio Lower Upper
95 100
174 74.6 0.0 141.8
176 72.4 0.0 132.6

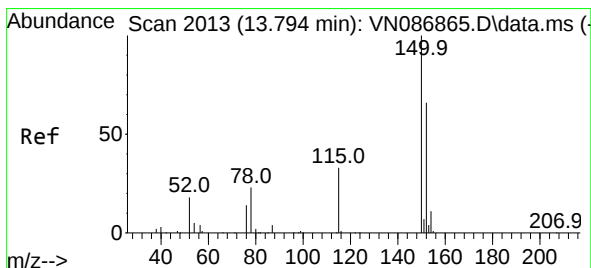
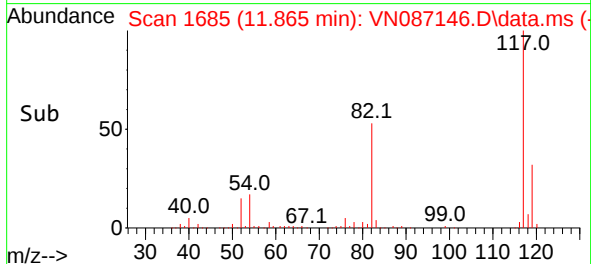
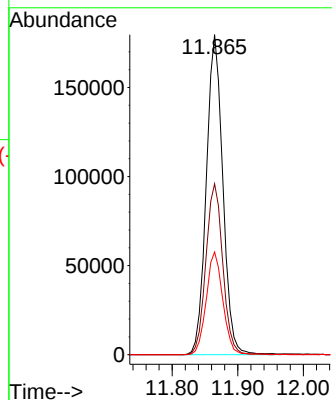
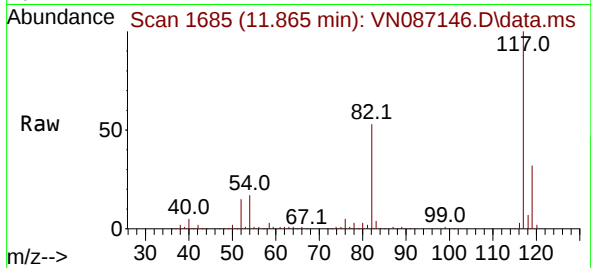




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

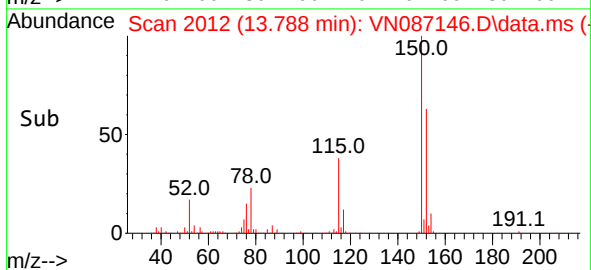
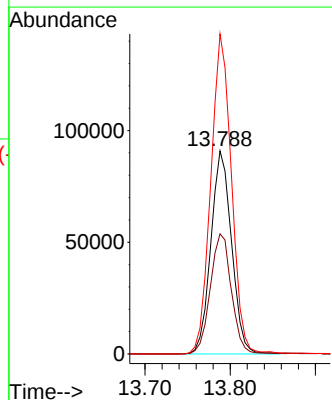
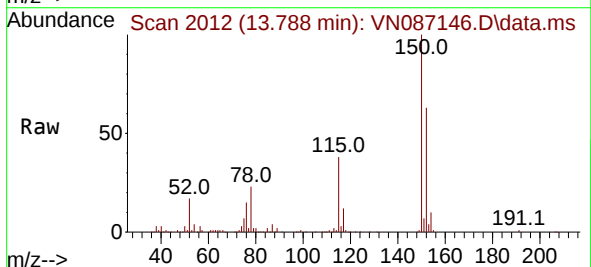
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

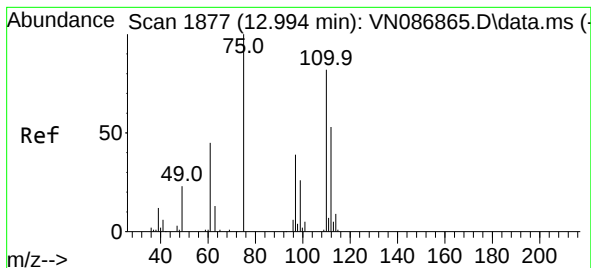
Tgt Ion:117 Resp: 315296
Ion Ratio Lower Upper
117 100
82 53.4 44.6 67.0
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087146.D
Acq: 20 Jun 2025 17:34

Tgt Ion:152 Resp: 153963
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.5
150 157.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 18.825 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087146.D

Acq: 20 Jun 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

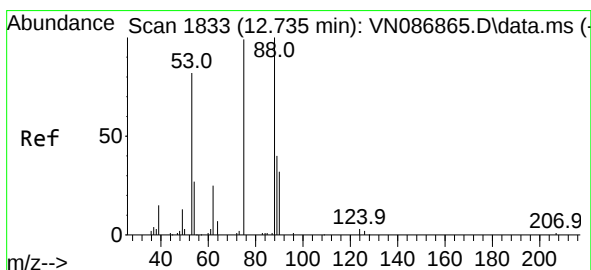
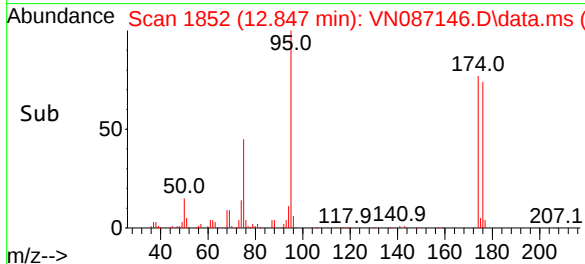
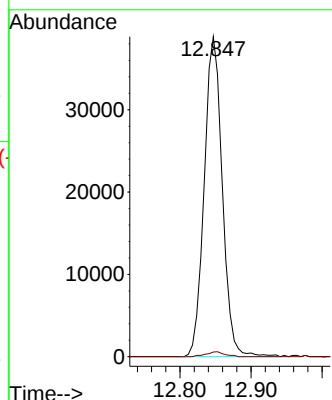
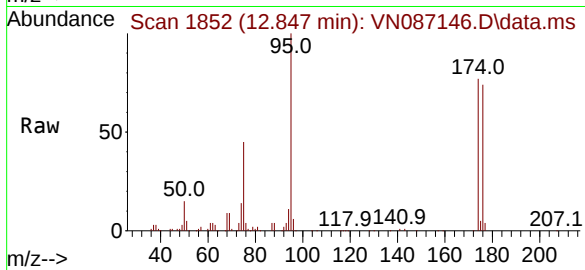
PW-B6-L66-061925

Tgt Ion: 75 Resp: 68896

Ion Ratio Lower Upper

75 100

77 1.6 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 43.335 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087146.D

Acq: 20 Jun 2025 17:34

Tgt Ion: 75 Resp: 68896

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#

