

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087095.D
 Acq On : 18 Jun 2025 18:39
 Operator : JC\MD
 Sample : Q2329-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20250613

Quant Time: Jun 19 01:33:09 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)

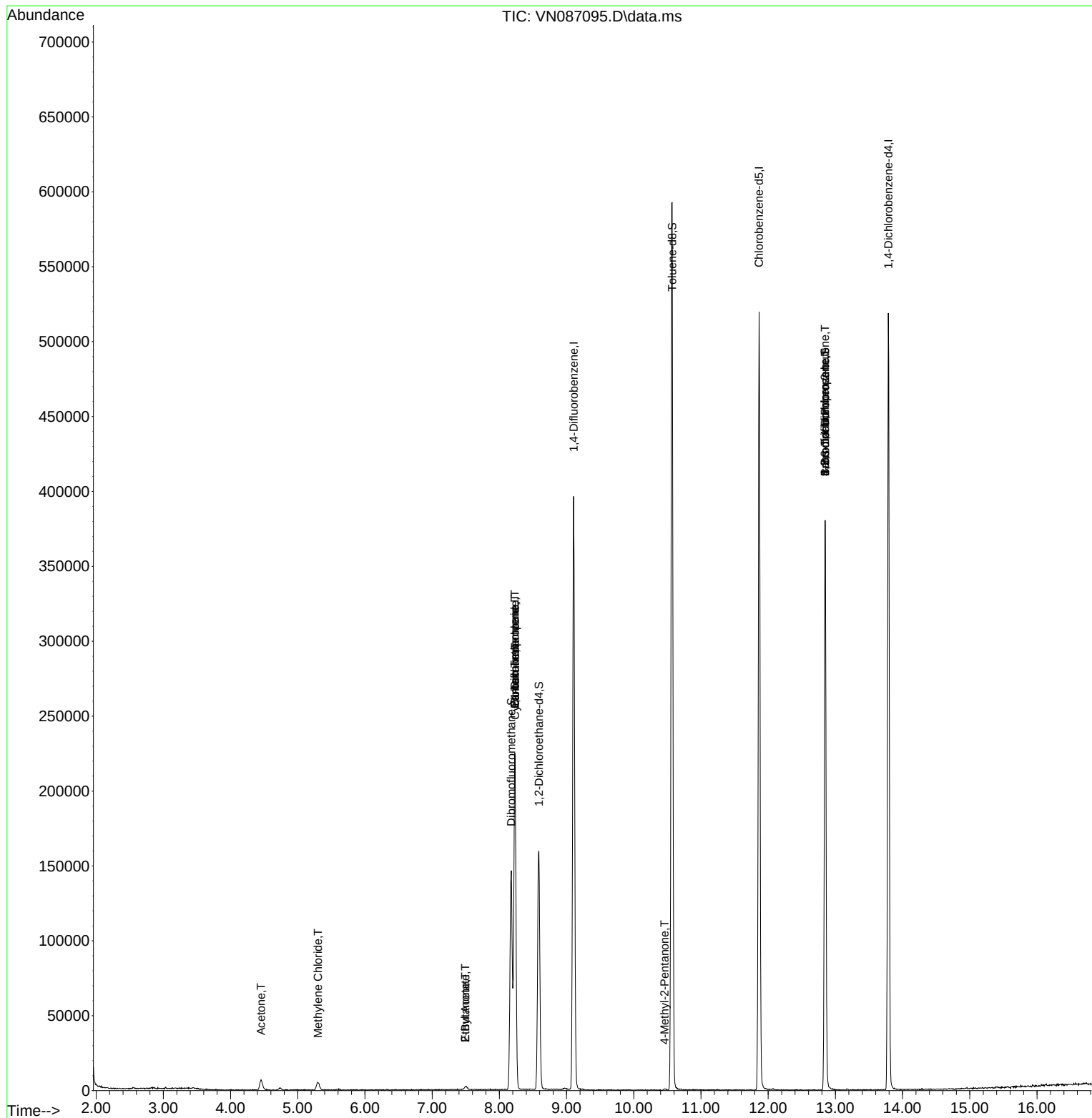
Internal Standards						
1) Pentafluorobenzene	8.229	168	177161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	362021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	133529	56.294	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 112.580%		
35) Dibromofluoromethane	8.177	113	113292	52.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 105.620%		
50) Toluene-d8	10.570	98	447665	52.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 105.420%		
62) 4-Bromofluorobenzene	12.847	95	151423	47.988	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 95.980%		
Target Compounds						Qvalue
16) Acetone	4.453	43	13976	11.111	ug/l	90
20) Methylene Chloride	5.300	84	4663	1.980	ug/l	94
25) 2-Butanone	7.494	43	4668	2.283	ug/l #	85
31) Cyclohexane	8.235	56	3253	0.846	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	13273	4.152	ug/l #	48
37) Ethyl Acetate	7.494	43	4668	1.147	ug/l #	66
38) Carbon Tetrachloride	8.229	117	17013	5.421	ug/l #	18
51) 4-Methyl-2-Pentanone	10.459	43	1205	0.306	ug/l #	61
71) Bromoform	12.847	173	735	0.430	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70899	19.480	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70899	44.842	ug/l #	16

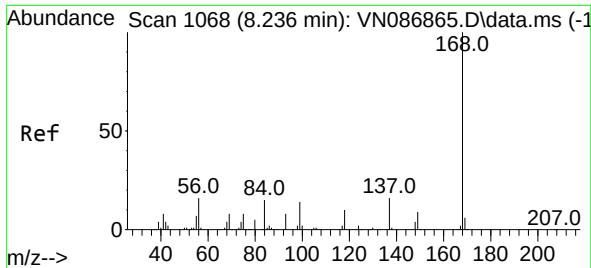
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

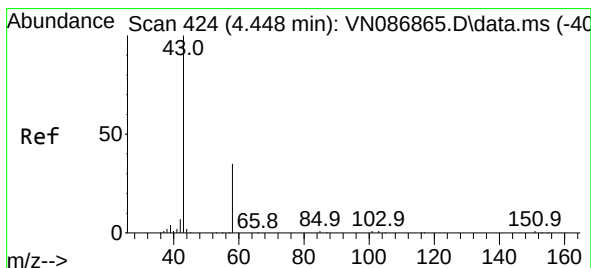
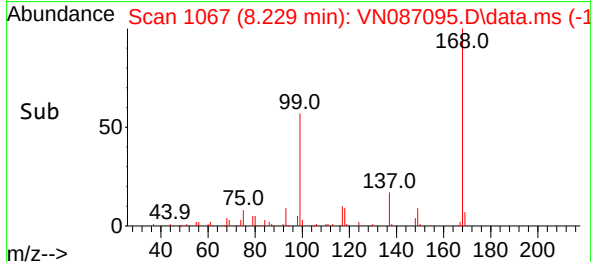
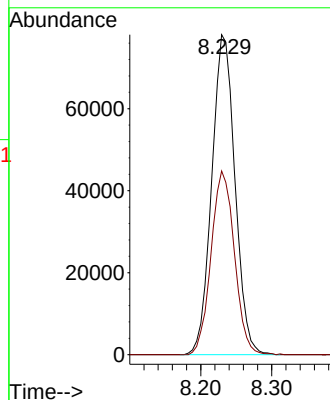
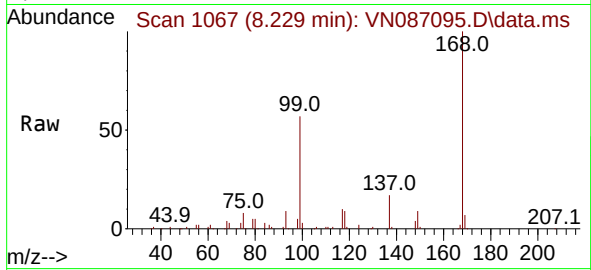




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

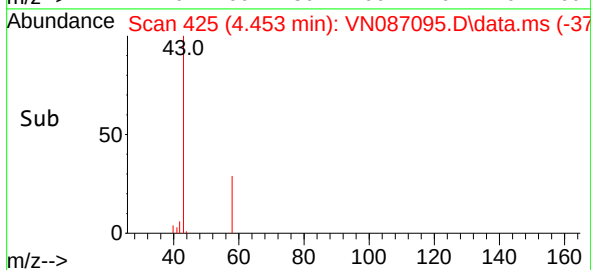
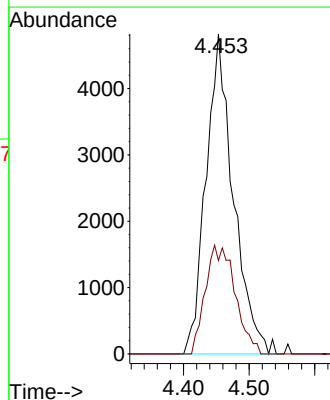
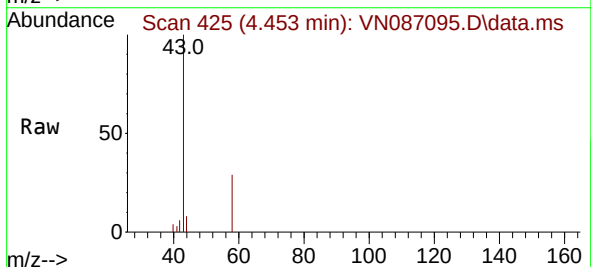
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

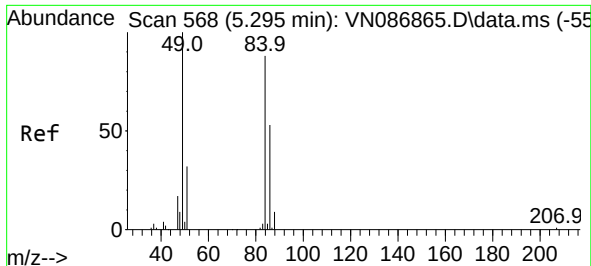
Tgt Ion:168 Resp: 177161
Ion Ratio Lower Upper
168 100
99 57.4 49.1 73.7



#16
Acetone
Concen: 11.111 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

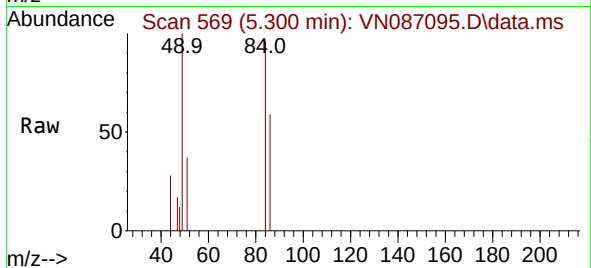
Tgt Ion: 43 Resp: 13976
Ion Ratio Lower Upper
43 100
58 29.2 28.0 42.0



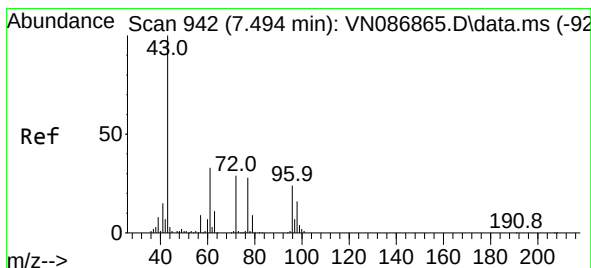
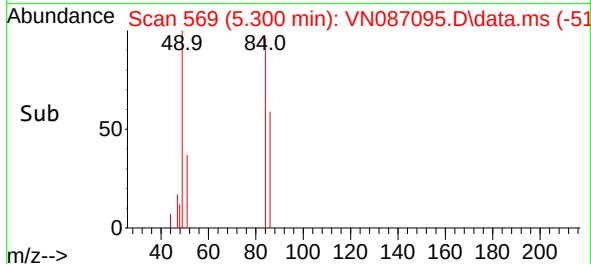
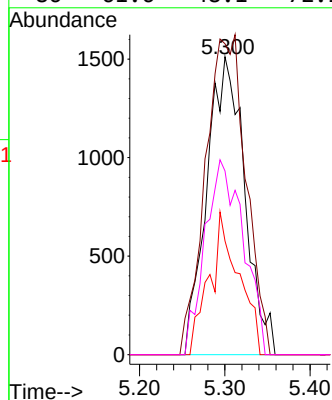


#20
Methylene Chloride
Concen: 1.980 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

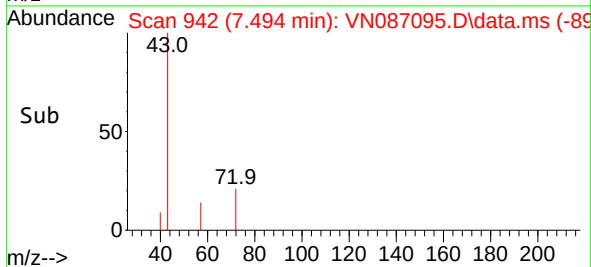
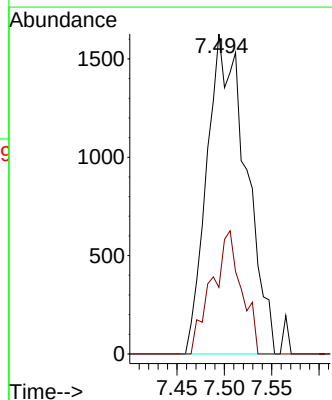
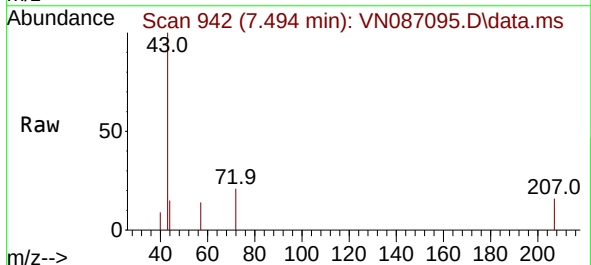


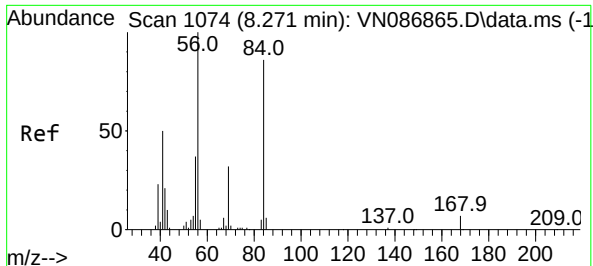
Tgt Ion:	84	Resp:	4663
Ion	Ratio	Lower	Upper
84	100		
49	104.4	90.5	135.7
51	38.2	28.5	42.7
86	61.6	48.1	72.1



#25
2-Butanone
Concen: 2.283 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

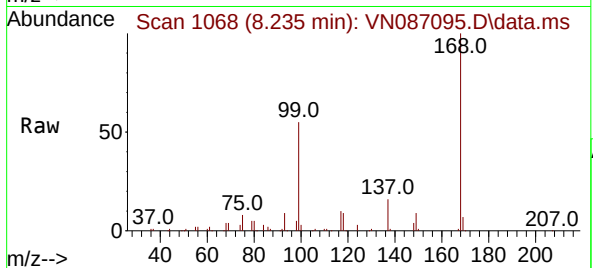
Tgt Ion:	43	Resp:	4668
Ion	Ratio	Lower	Upper
43	100		
72	20.8	23.0	34.6



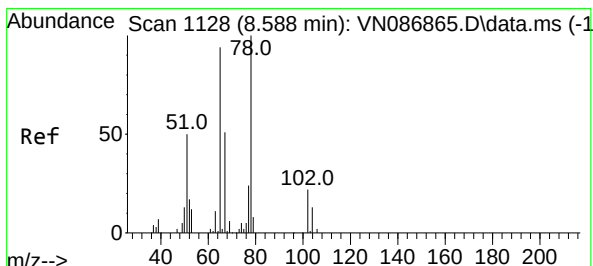
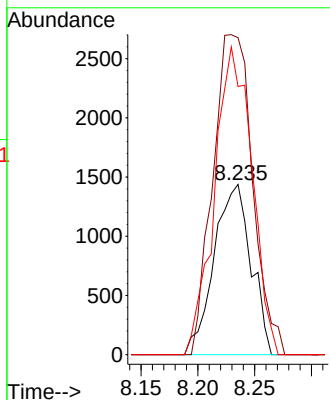
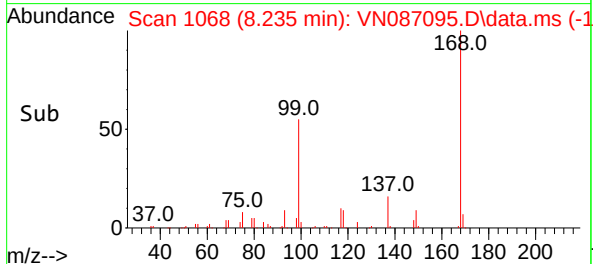


#31
Cyclohexane
Concen: 0.846 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

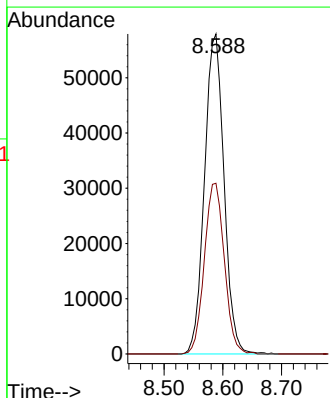
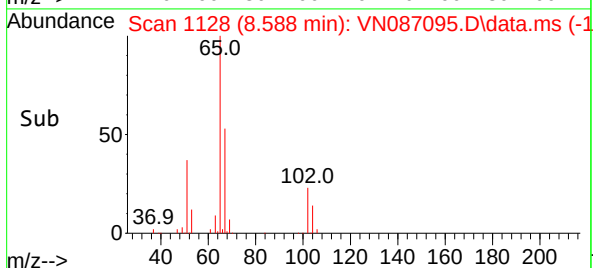
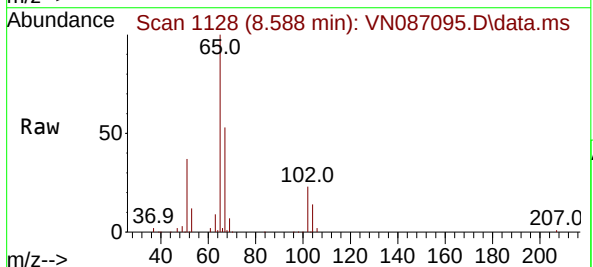


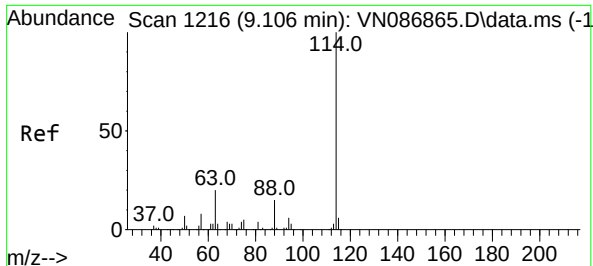
Tgt Ion: 56 Resp: 3253
Ion Ratio Lower Upper
56 100
69 186.2 25.4 38.0#
84 157.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 56.294 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Tgt Ion: 65 Resp: 133529
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6

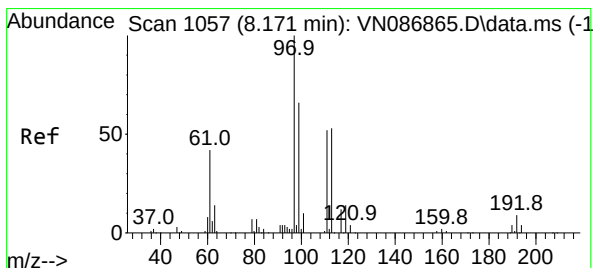
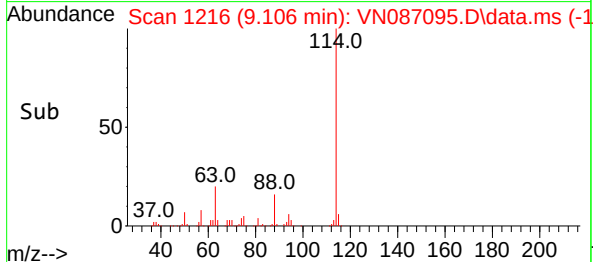
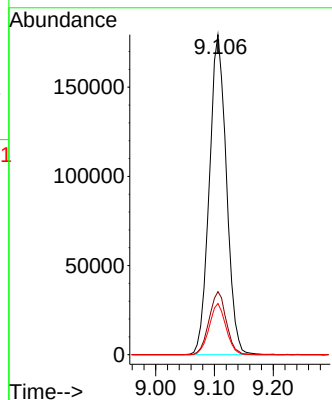
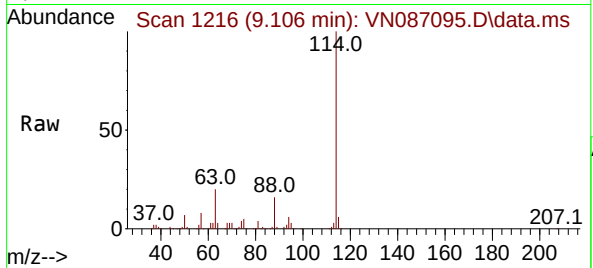




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

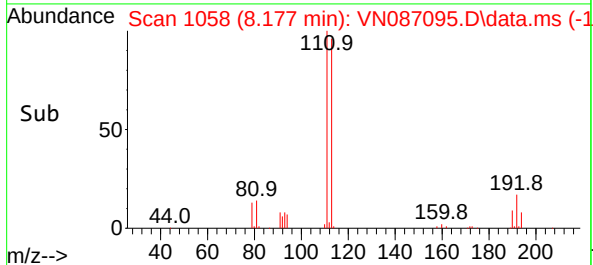
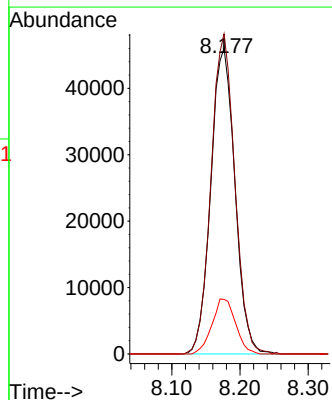
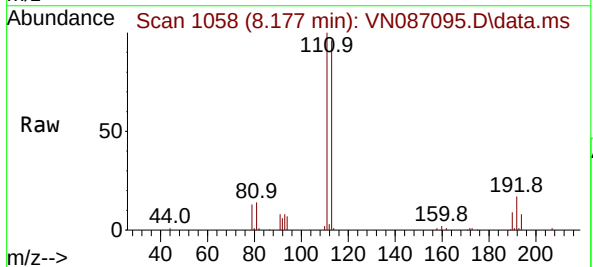
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

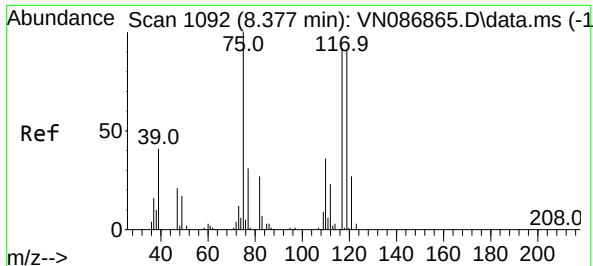
Tgt Ion:114 Resp: 362021
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 16.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.806 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Tgt Ion:113 Resp: 113292
Ion Ratio Lower Upper
113 100
111 103.2 84.2 126.2
192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.152 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087095.D

Acq: 18 Jun 2025 18:39

Instrument :

MSVOA_N

ClientSampleId :

FB01-20250613

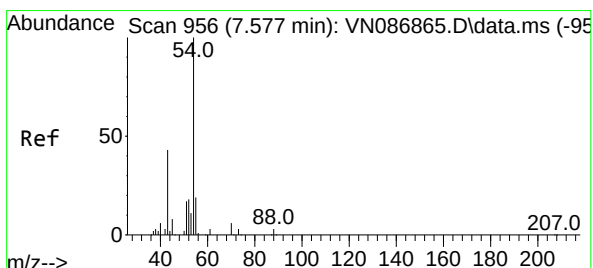
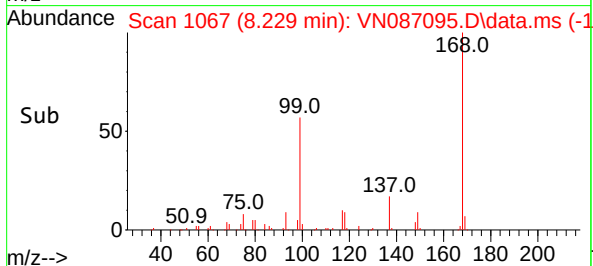
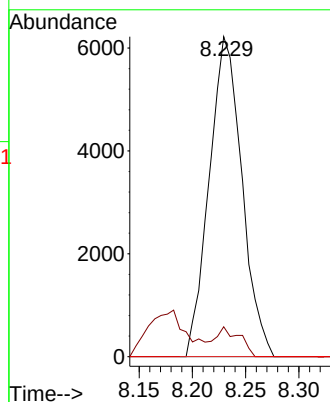
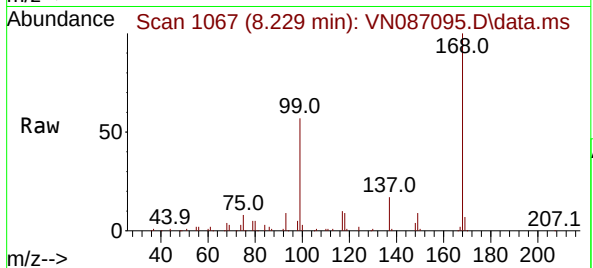
Tgt Ion: 75 Resp: 13273

Ion Ratio Lower Upper

75 100

110 7.1 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 1.147 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.083 min

Lab File: VN087095.D

Acq: 18 Jun 2025 18:39

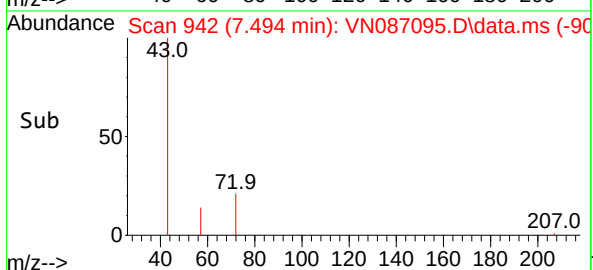
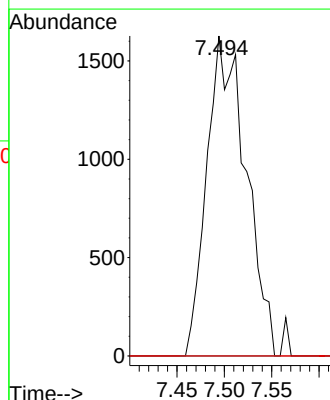
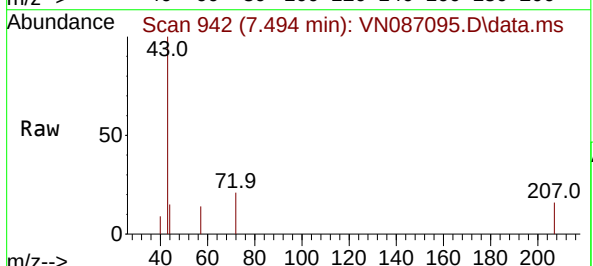
Tgt Ion: 43 Resp: 4668

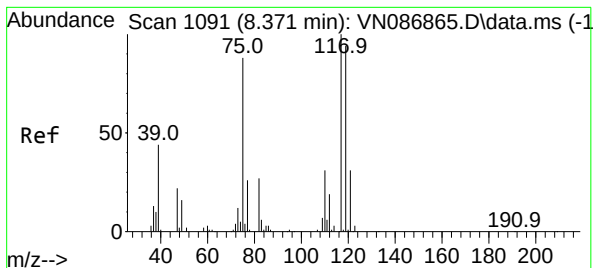
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 5.421 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087095.D

Acq: 18 Jun 2025 18:39

Instrument :

MSVOA_N

ClientSampleId :

FB01-20250613

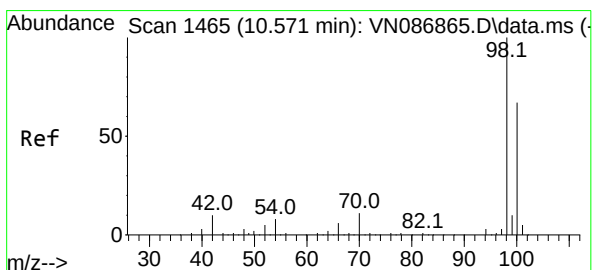
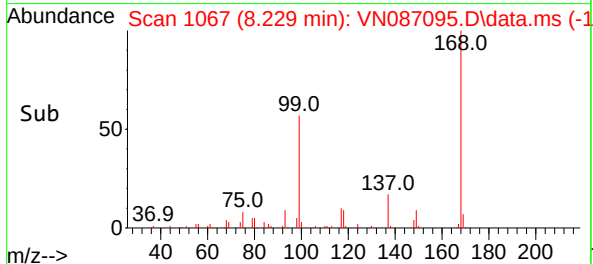
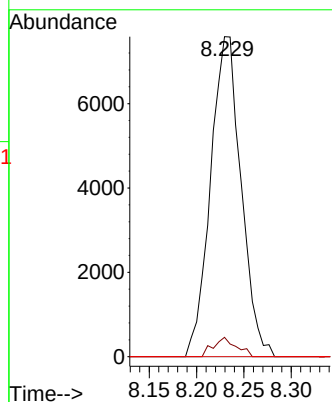
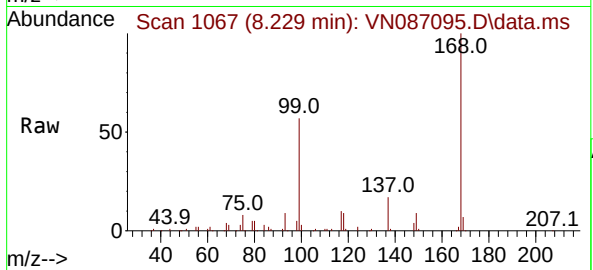
Tgt Ion:117 Resp: 17013

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 52.709 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087095.D

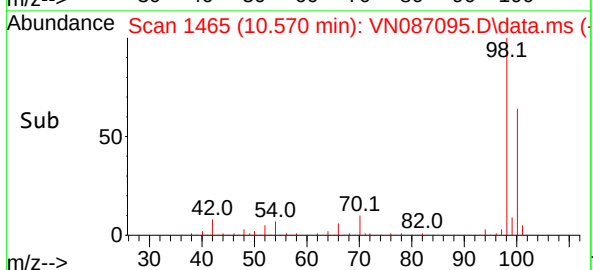
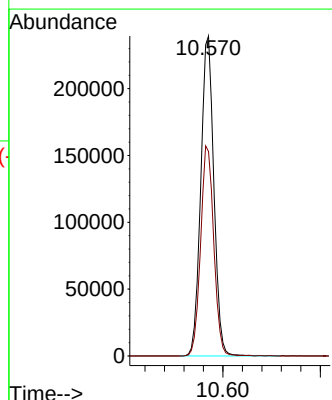
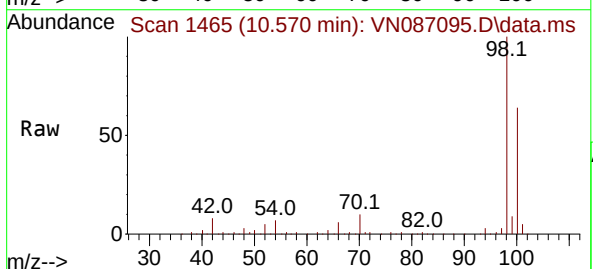
Acq: 18 Jun 2025 18:39

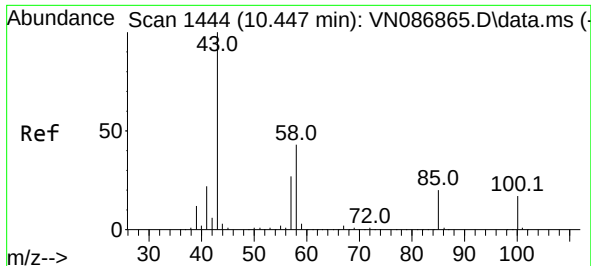
Tgt Ion: 98 Resp: 447665

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0

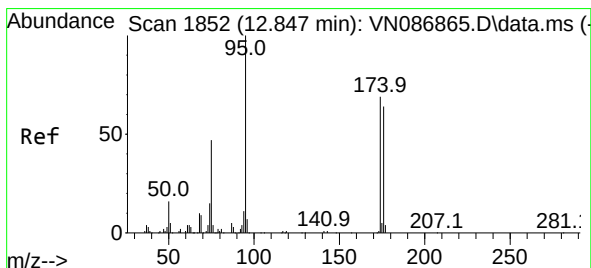
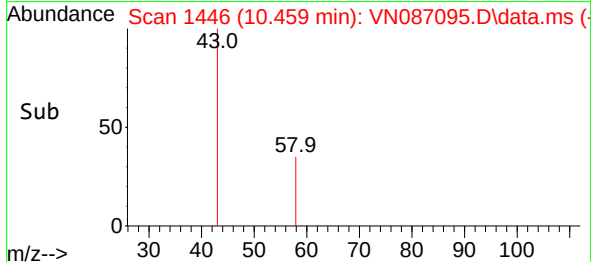
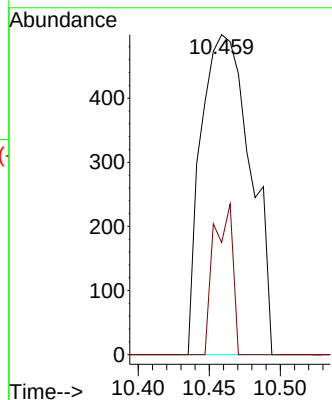
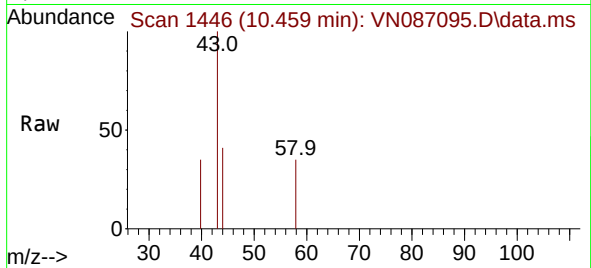




#51
4-Methyl-2-Pentanone
Concen: 0.306 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.011 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

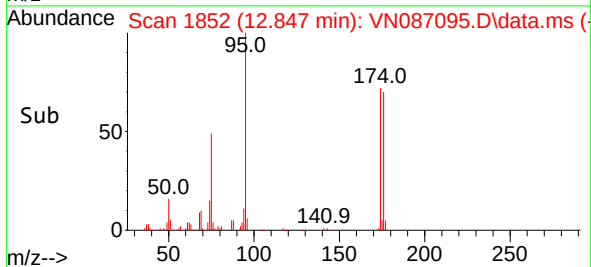
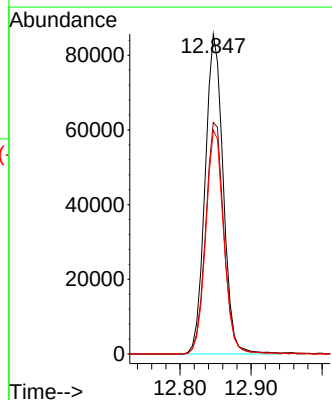
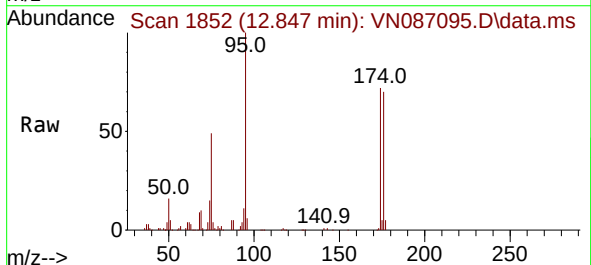
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

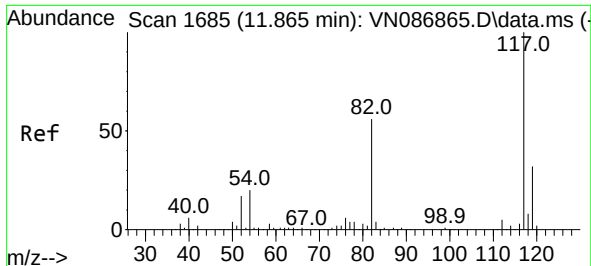
Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
58 18.0 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 47.988 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Tgt Ion: 95 Resp: 151423
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.8
176 69.7 0.0 132.6

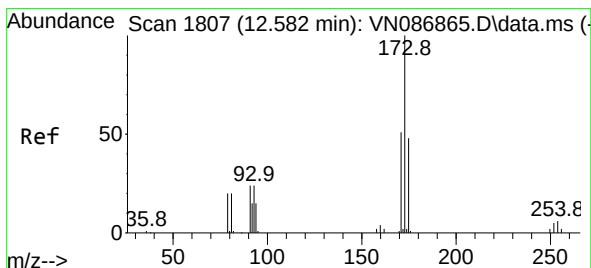
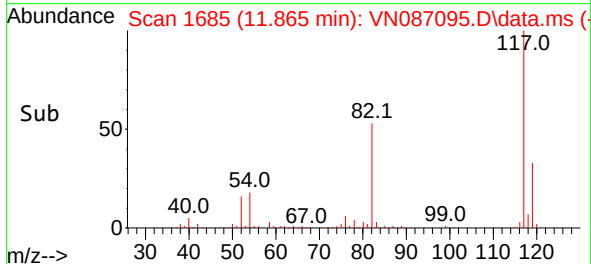
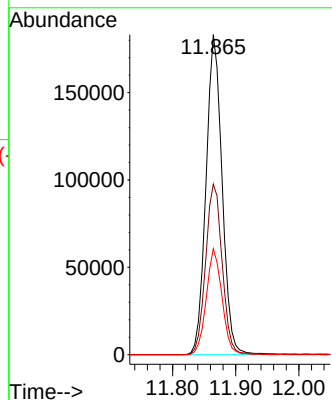
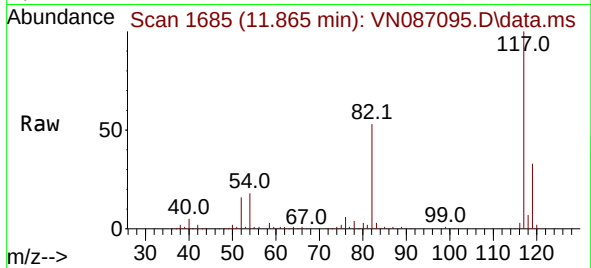




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

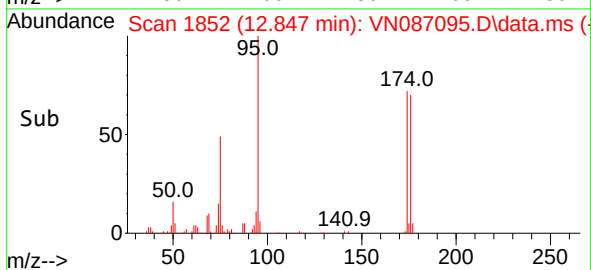
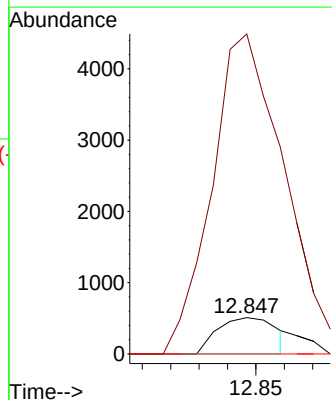
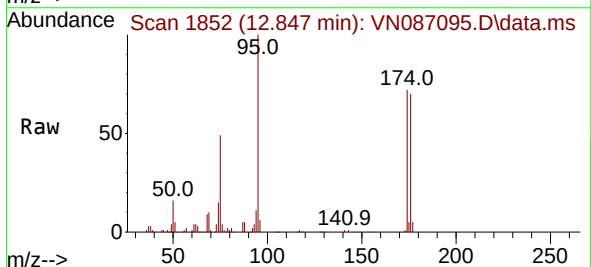
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

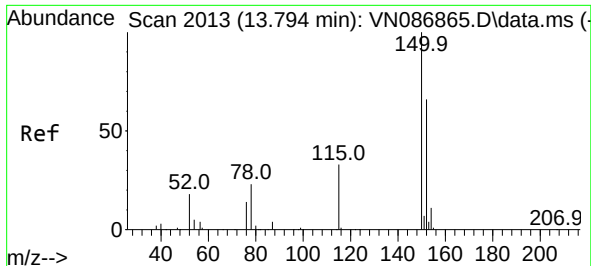
Tgt Ion:117 Resp: 325288
Ion Ratio Lower Upper
117 100
82 53.3 44.6 67.0
119 33.1 25.5 38.3



#71
Bromoform
Concen: 0.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Tgt Ion:173 Resp: 735
Ion Ratio Lower Upper
173 100
175 932.4 24.1 72.4#
254 0.0 0.0 0.0

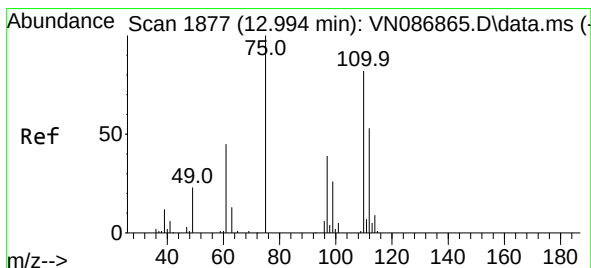
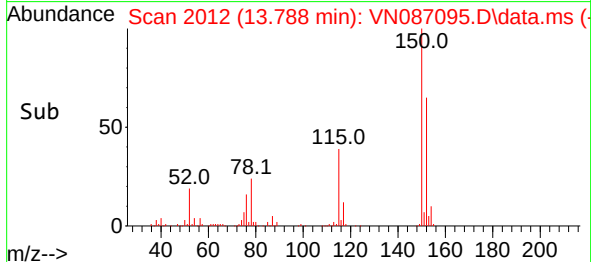
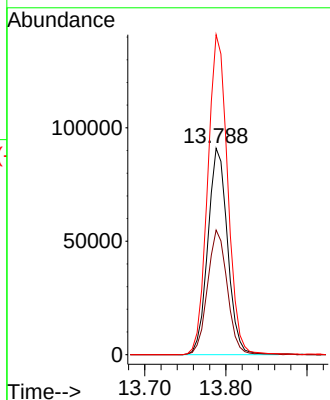
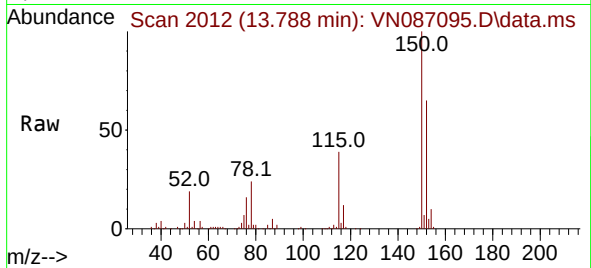




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

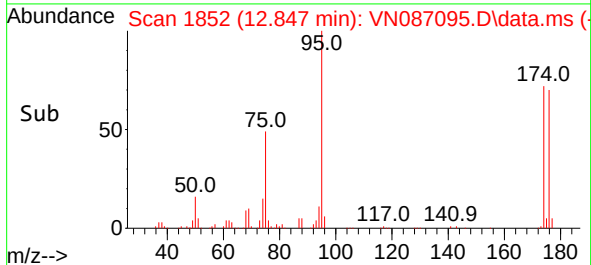
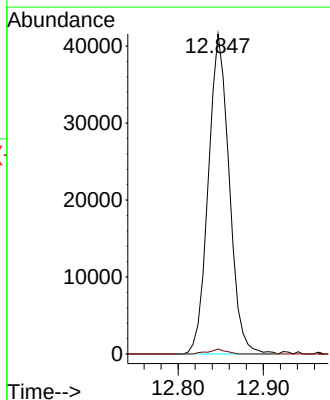
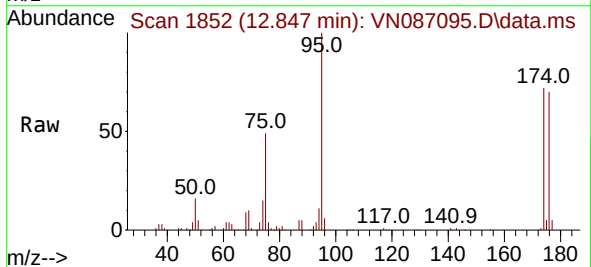
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

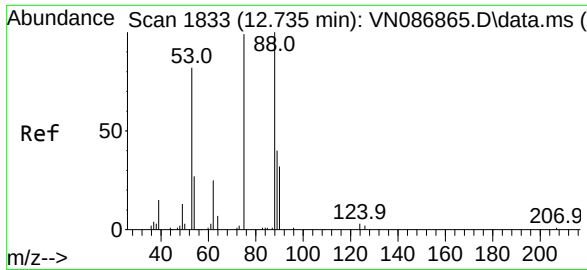
Tgt Ion:152 Resp: 153113
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.5
150 157.6 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.480 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

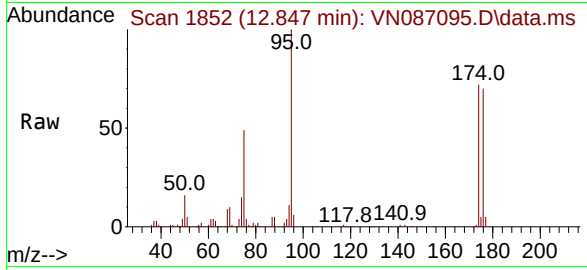
Tgt Ion: 75 Resp: 70899
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 44.842 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN087095.D
Acq: 18 Jun 2025 18:39

Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613



Tgt Ion:	75	Resp:	70899
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.6	99.8#
89	0.0	36.7	55.1#

