

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086983.D
 Acq On : 12 Jun 2025 17:25
 Operator : JC\MD
 Sample : Q2302-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250611056-09-TRIP-BLANK

Quant Time: Jun 13 01:31:21 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)

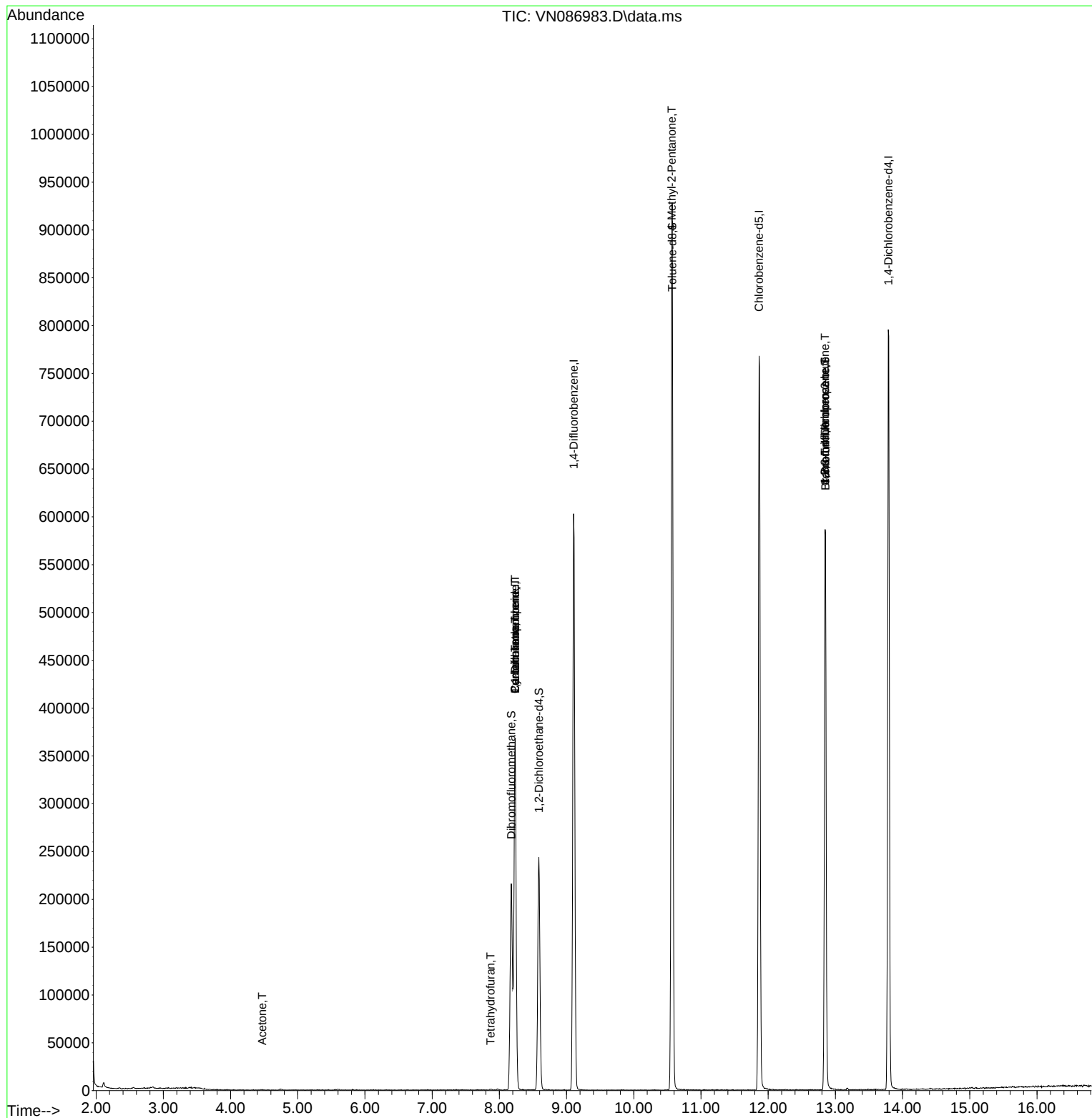
Internal Standards						
1) Pentafluorobenzene	8.235	168	289495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	494340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	234791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	197854	51.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.100%			
35) Dibromofluoromethane	8.177	113	167104	50.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	10.571	98	676027	51.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.847	95	240394	49.437	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.880%			
Target Compounds						
					Qvalue	
16) Acetone	4.471	43	839	0.408	ug/l #	40
29) Tetrahydrofuran	7.871	42	638	0.293	ug/l #	38
31) Cyclohexane	8.235	56	5105	0.812	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	21257	4.315	ug/l #	48
38) Carbon Tetrachloride	8.235	117	27723	5.732	ug/l #	18
51) 4-Methyl-2-Pentanone	10.565	43	2224	0.367	ug/l #	1
71) Bromoform	12.853	173	1263	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	111724	20.018	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	111724	46.081	ug/l #	16

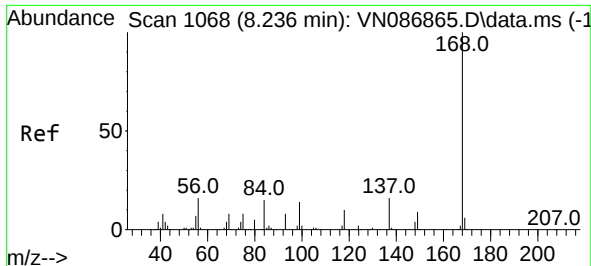
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:31:21 2025
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

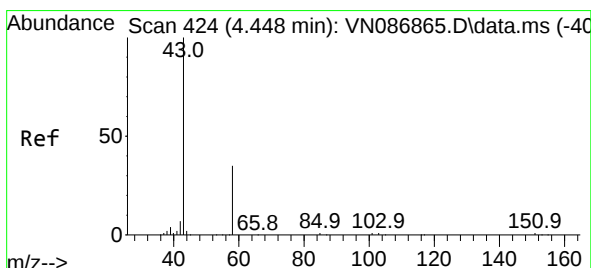
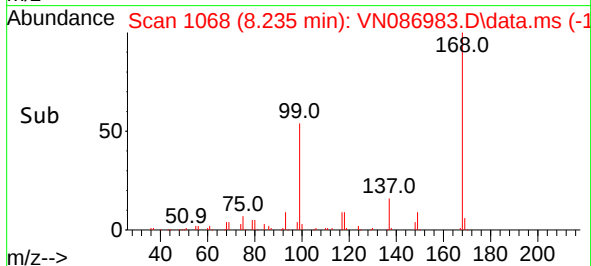
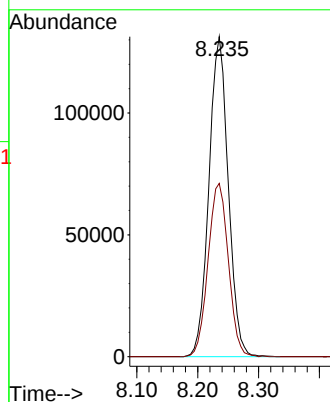
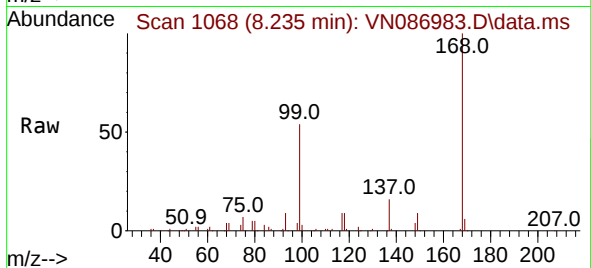




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

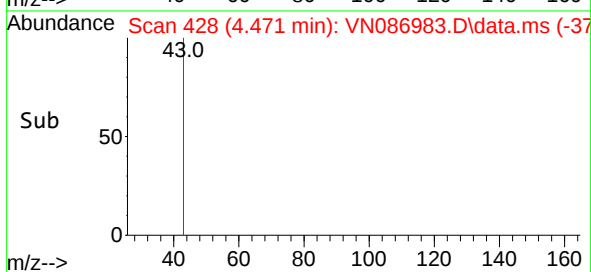
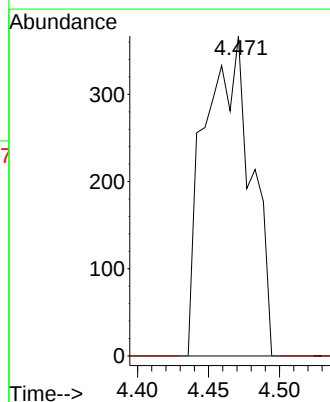
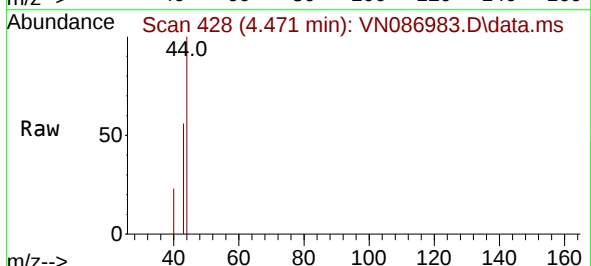
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MSVOA_N
ClientSampleId :
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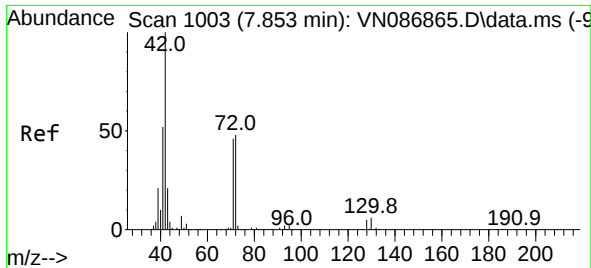
Tgt Ion:168 Resp: 289495
Ion Ratio Lower Upper
168 100
99 54.1 49.1 73.7



#16
Acetone
Concen: 0.408 ug/l
RT: 4.471 min Scan# 428
Delta R.T. 0.023 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

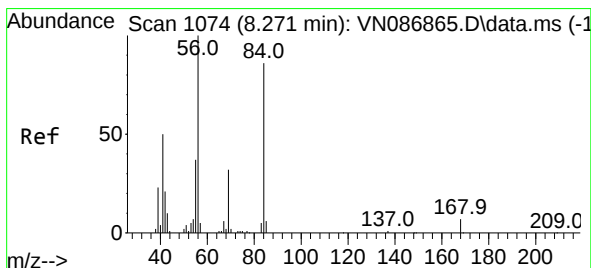
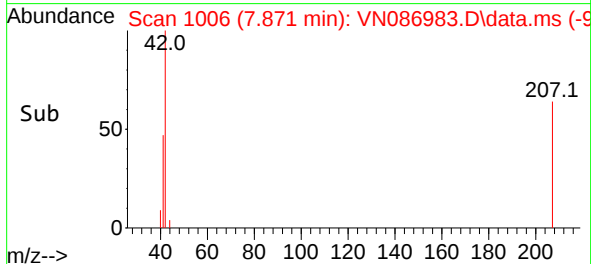
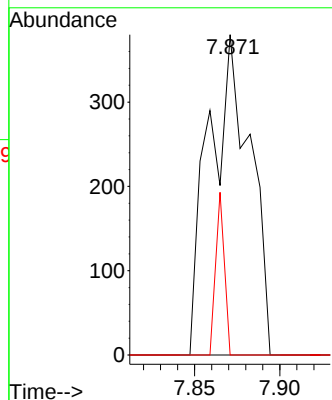
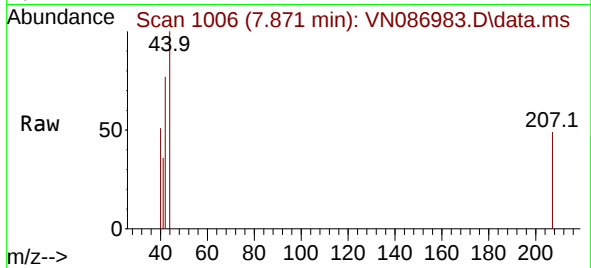




#29
Tetrahydrofuran
Concen: 0.293 ug/l
RT: 7.871 min Scan# 1068
Delta R.T. 0.018 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

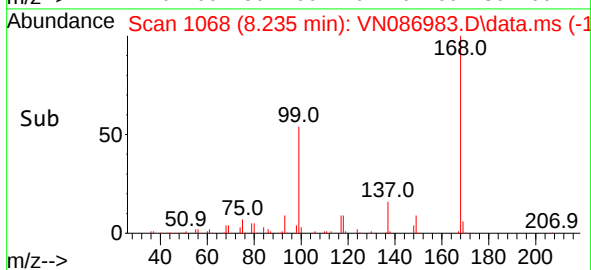
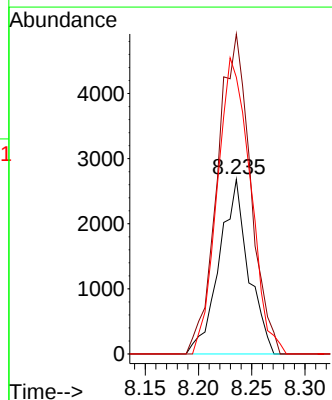
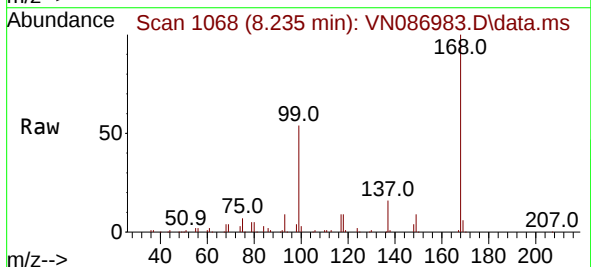
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ClientSampleId :
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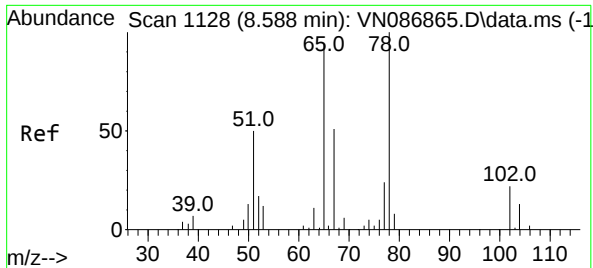
Tgt Ion: 42 Resp: 638
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 10.7 35.6 53.4#



#31
Cyclohexane
Concen: 0.812 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 56 Resp: 5105
Ion Ratio Lower Upper
56 100
69 183.3 25.4 38.0#
84 158.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.046 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086983.D

Acq: 12 Jun 2025 17:25

Instrument :

MSVOA_N

ClientSampleId :

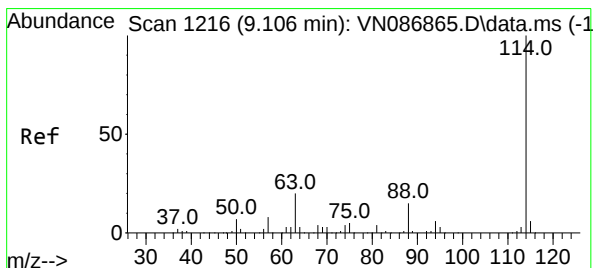
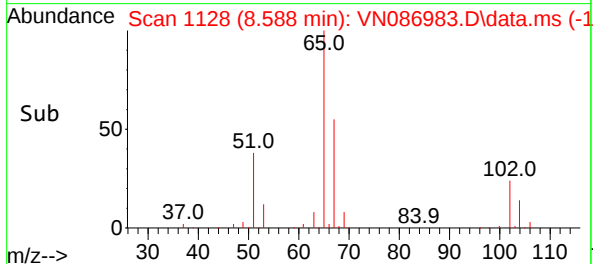
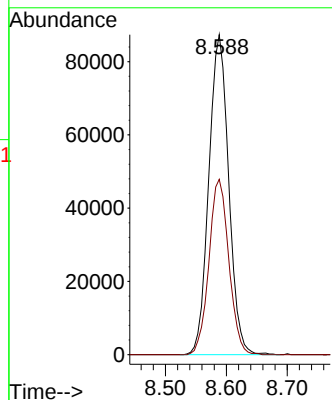
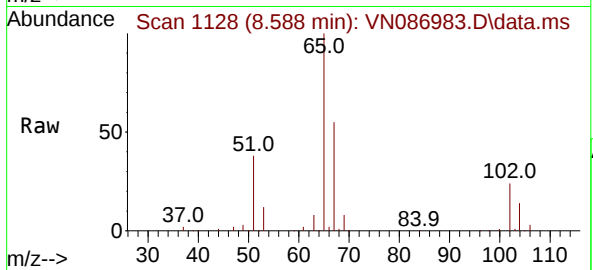
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Tgt Ion: 65 Resp: 197854

Ion Ratio Lower Upper

65 100

67 54.9 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: VN086983.D

Acq: 12 Jun 2025 17:25

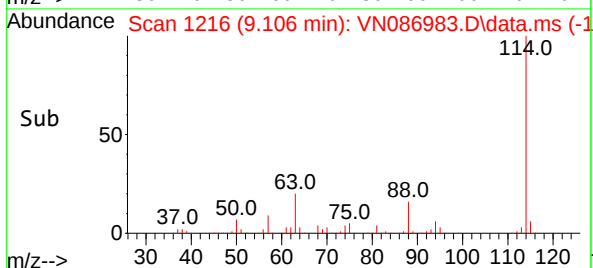
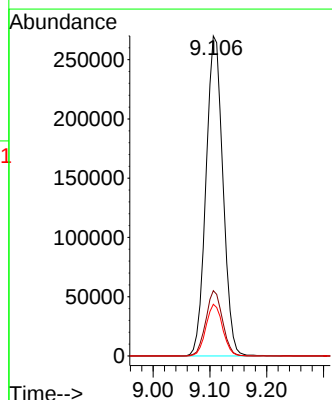
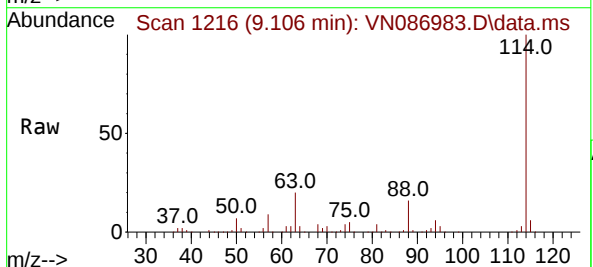
Tgt Ion: 114 Resp: 557887

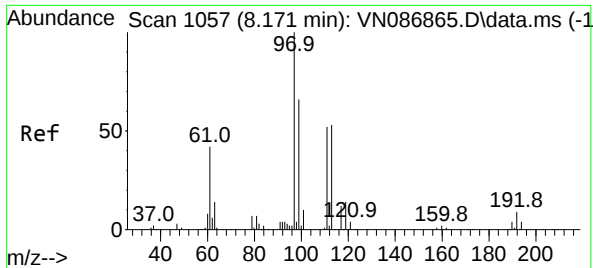
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.1 0.0 30.2

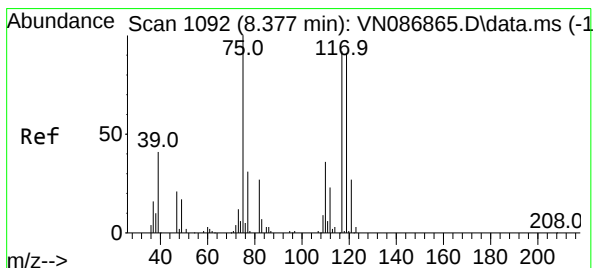
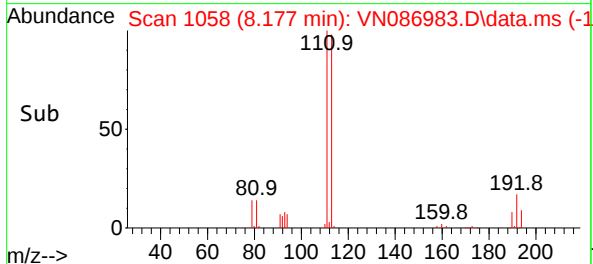
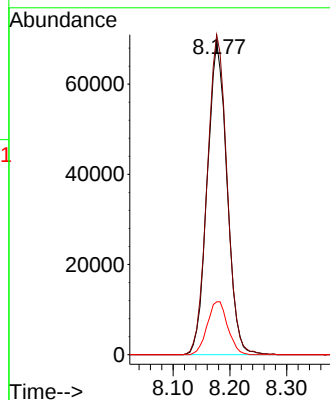
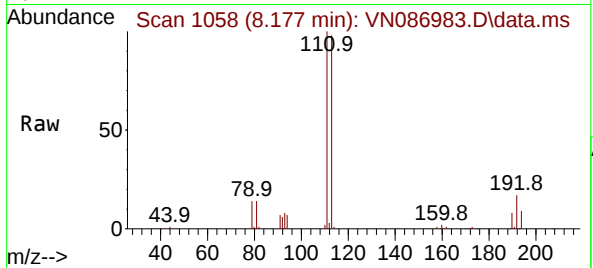




#35
Dibromofluoromethane
Concen: 50.543 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

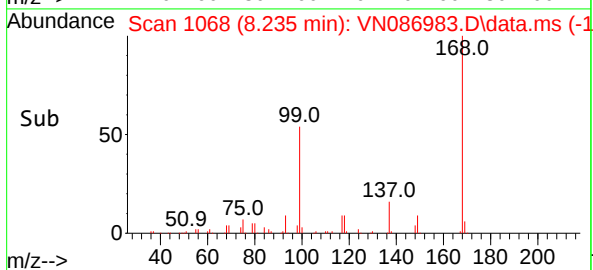
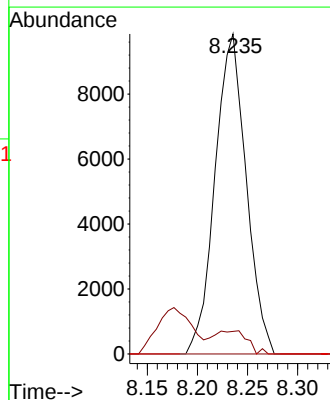
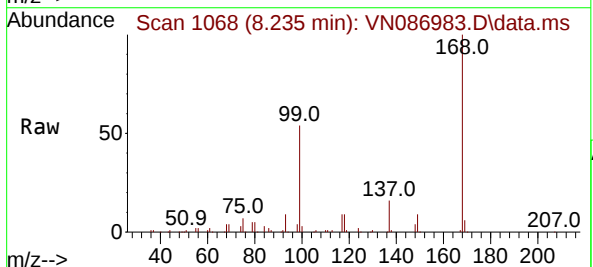
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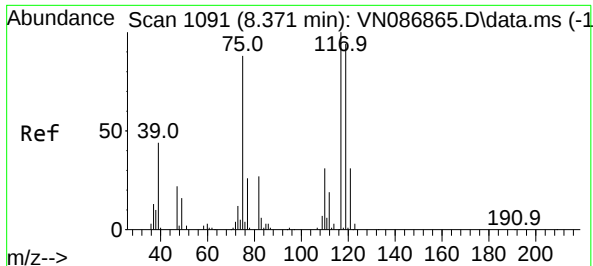
Tgt Ion:113 Resp: 167104
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.2
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.315 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 75 Resp: 21257
Ion Ratio Lower Upper
75 100
110 7.3 17.6 52.9#
77 0.0 25.3 37.9#

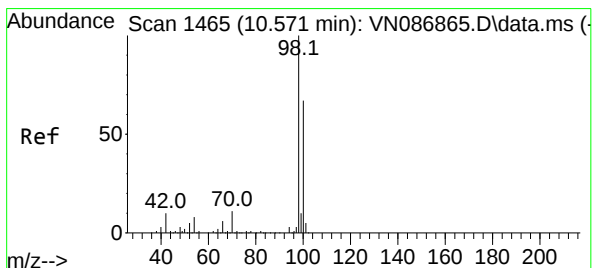
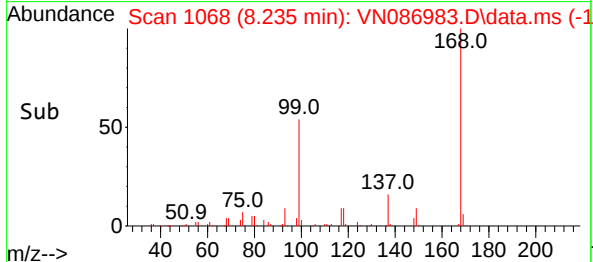
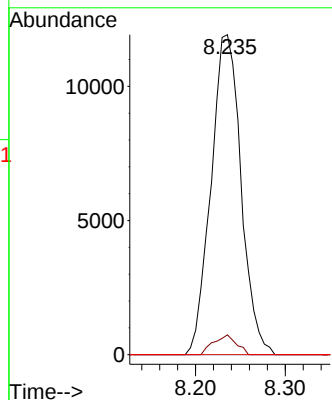
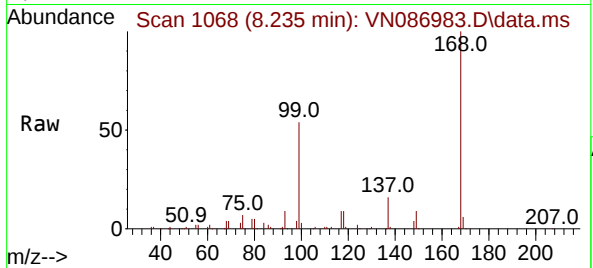




#38
Carbon Tetrachloride
Concen: 5.732 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

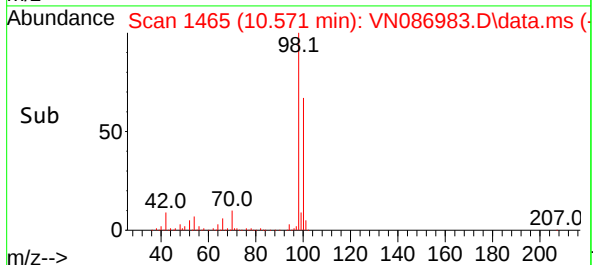
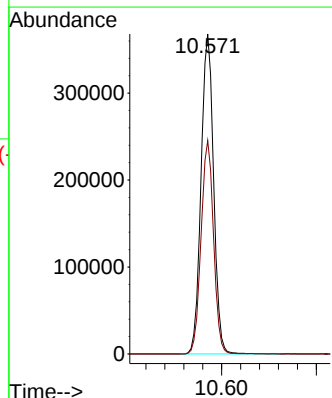
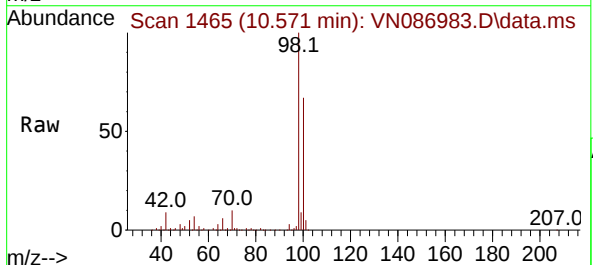
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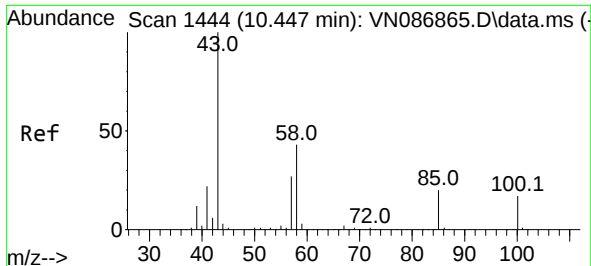
Tgt Ion:117 Resp: 27723
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.651 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 98 Resp: 676027
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

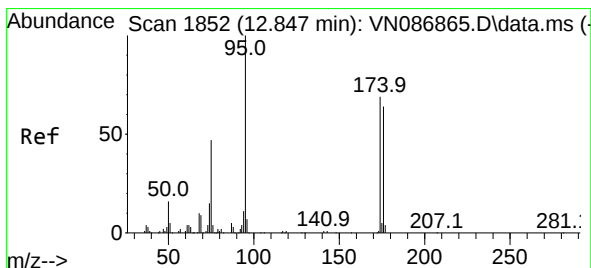
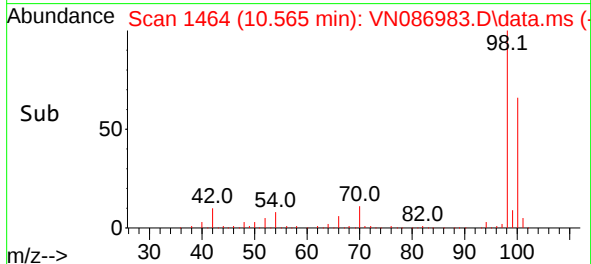
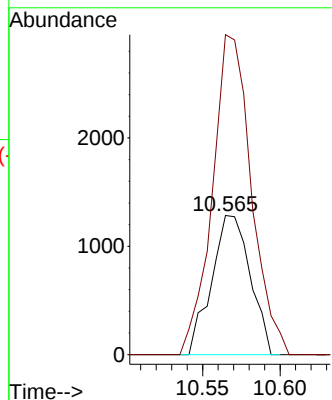
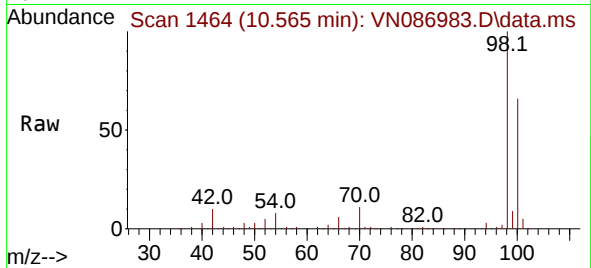




#51
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

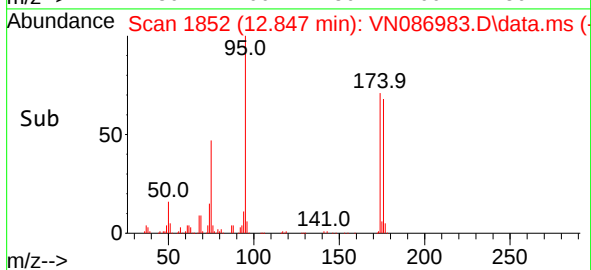
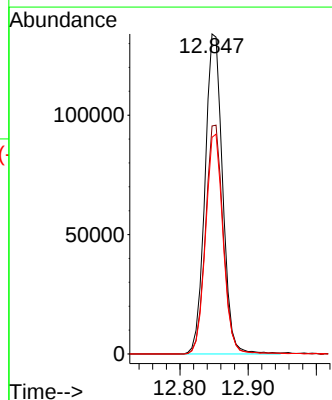
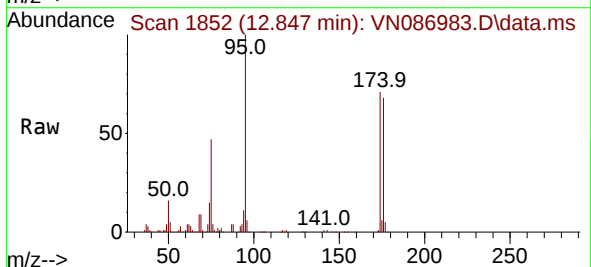
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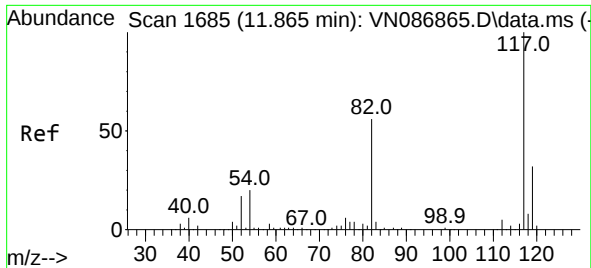
Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
58 231.7 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.437 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 95 Resp: 240394
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 68.4 0.0 132.6

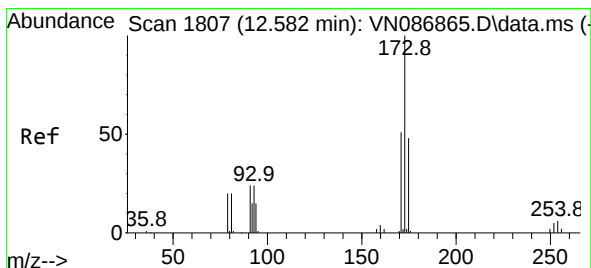
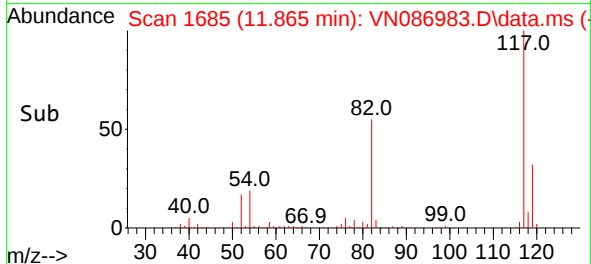
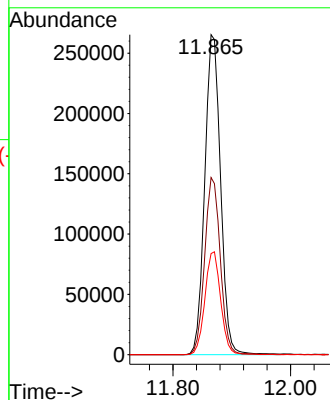
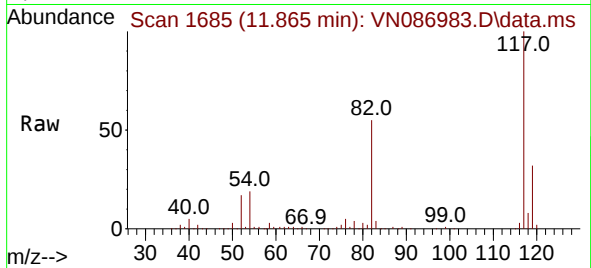




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

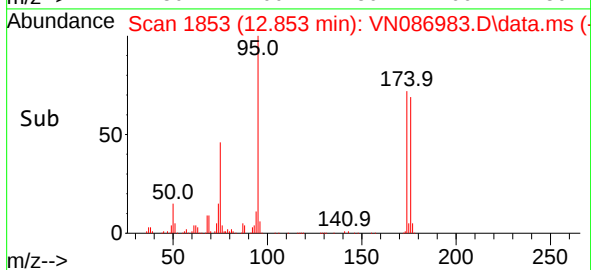
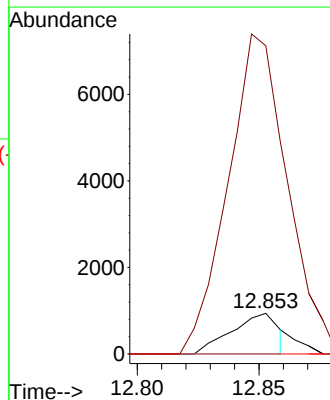
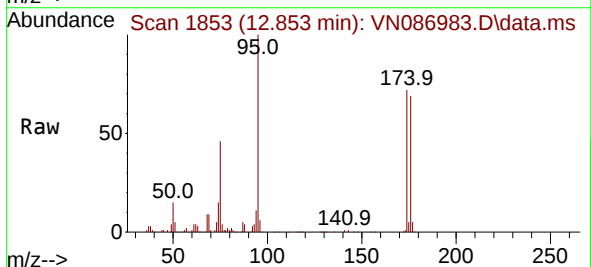
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ClientSampleId :
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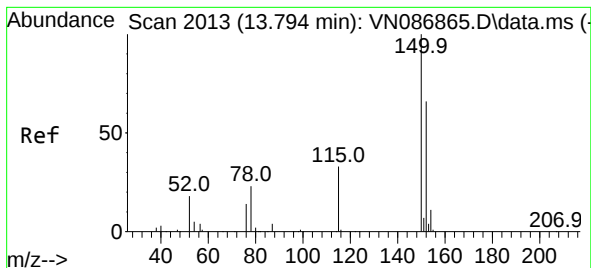
Tgt Ion:117 Resp: 494340
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.486 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion:173 Resp: 1263
Ion Ratio Lower Upper
173 100
175 840.7 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# 20

Delta R.T. -0.006 min

Lab File: VN086983.D

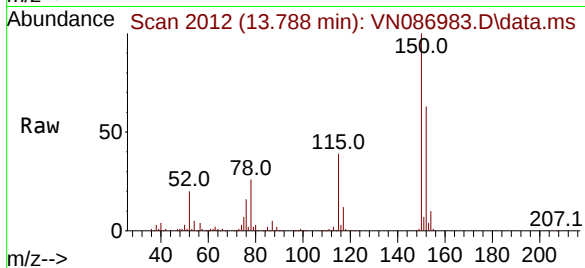
Acq: 12 Jun 2025 17:25

Instrument :

MSVOA_N

ClientSampleId :

250611056-09-TRIP-BLANK



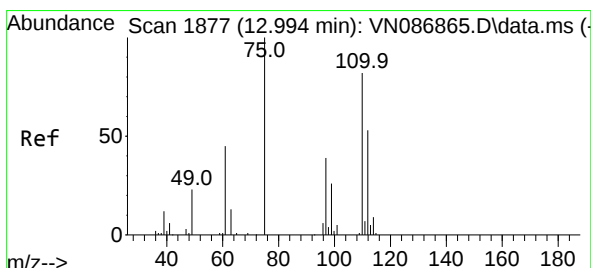
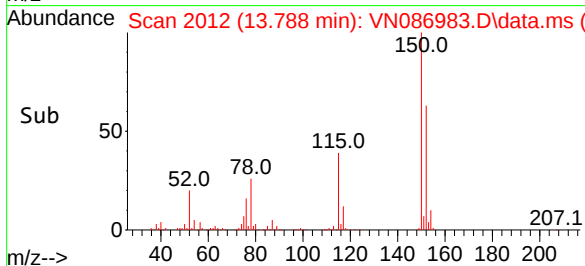
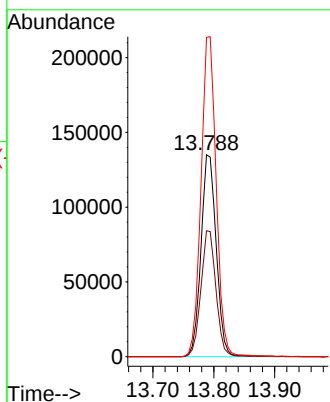
Tgt Ion:152 Resp: 234791

Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.5

150 157.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.018 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086983.D

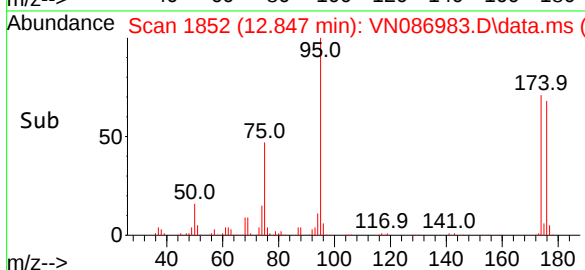
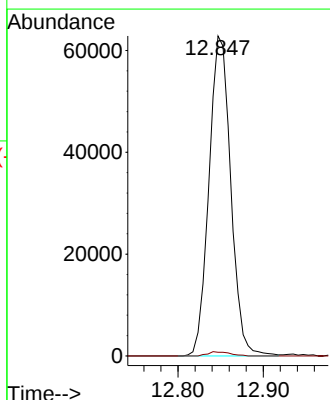
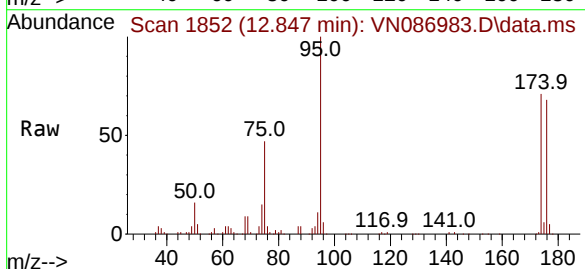
Acq: 12 Jun 2025 17:25

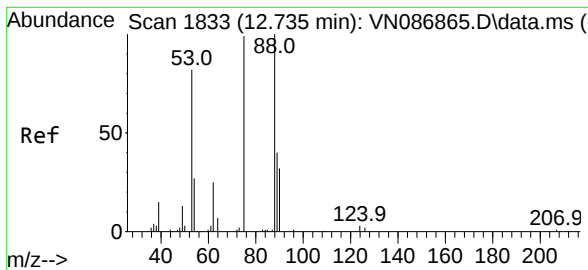
Tgt Ion: 75 Resp: 111724

Ion Ratio Lower Upper

75 100

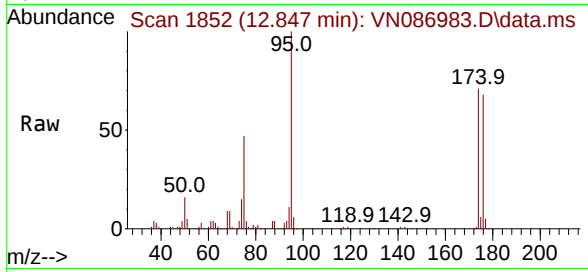
77 1.3 79.3 237.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 46.081 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK



Tgt Ion: 75 Resp: 111724
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

