

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN086998.D
 Acq On : 13 Jun 2025 13:47
 Operator : JC\MD
 Sample : VN0613WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBL01

Quant Time: Jun 14 00:27:30 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)

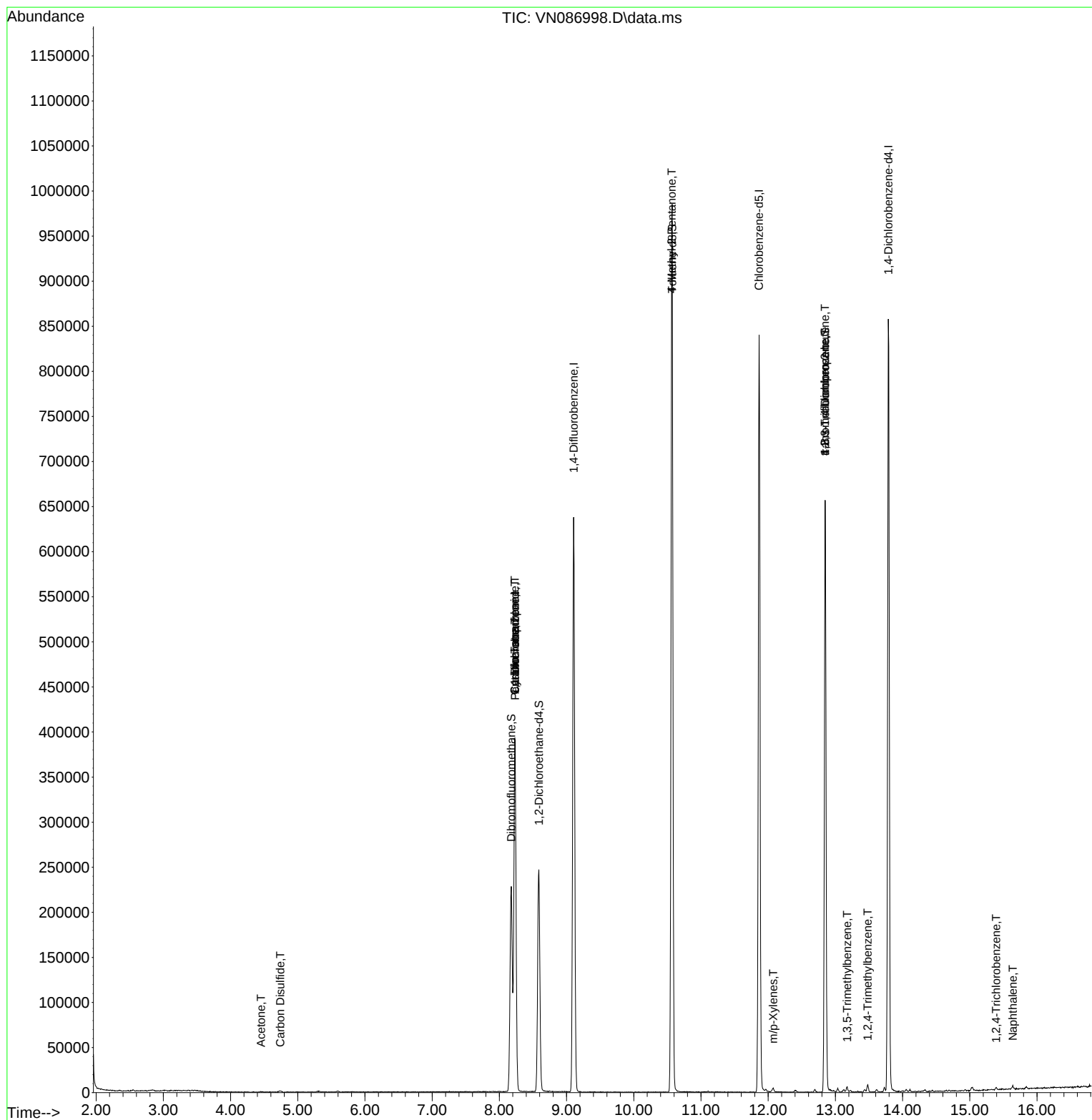
Internal Standards						
1) Pentafluorobenzene	8.235	168	317214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	606954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	536496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	258118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	203647	47.949	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	95.900%	
35) Dibromofluoromethane	8.177	113	177333	49.301	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.600%	
50) Toluene-d8	10.570	98	737326	51.781	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.560%	
62) 4-Bromofluorobenzene	12.847	95	261903	49.506	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.020%	
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	490	0.218	ug/l #	40
17) Carbon Disulfide	4.741	76	2037	0.209	ug/l #	75
31) Cyclohexane	8.229	56	5612	0.815	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	23121	4.314	ug/l #	48
38) Carbon Tetrachloride	8.229	117	30844	5.862	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	2428	0.368	ug/l #	1
68) m/p-Xylenes	12.076	106	2013	0.258	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	119323	19.448	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	3365	0.217	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	119323	44.768	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	4965	0.319	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	1128	0.217	ug/l #	88
95) Naphthalene	15.641	128	4199	0.217	ug/l #	92

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

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Quant Time: Jun 14 00:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

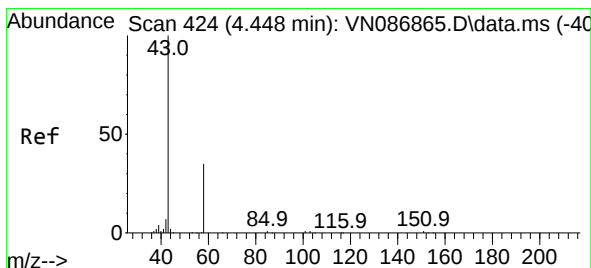
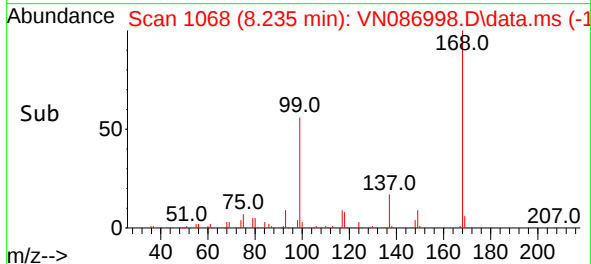
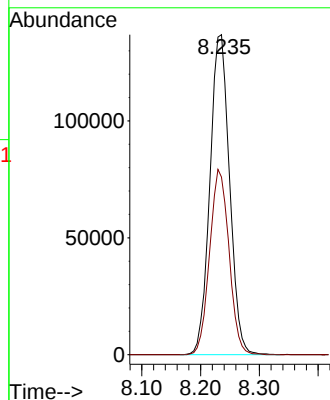
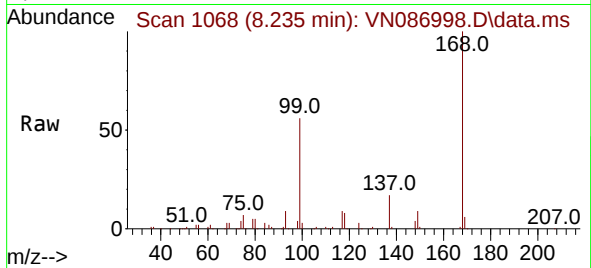




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

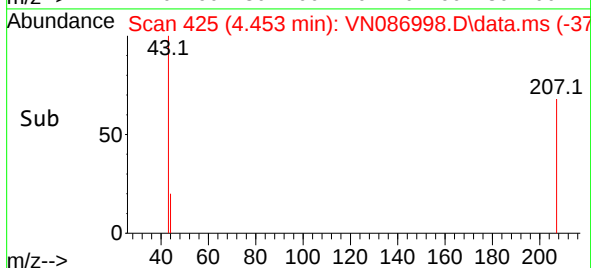
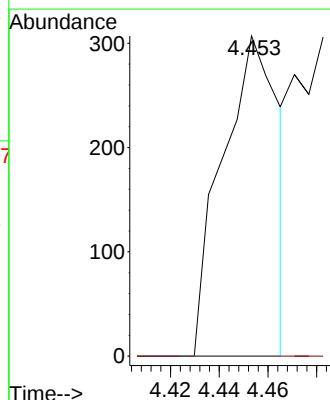
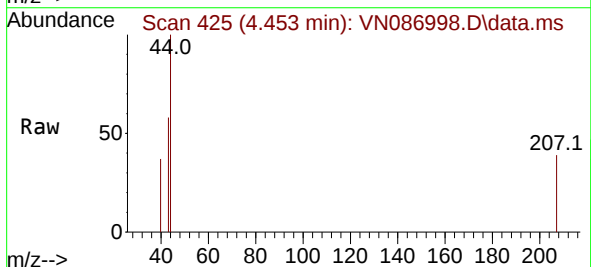
Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

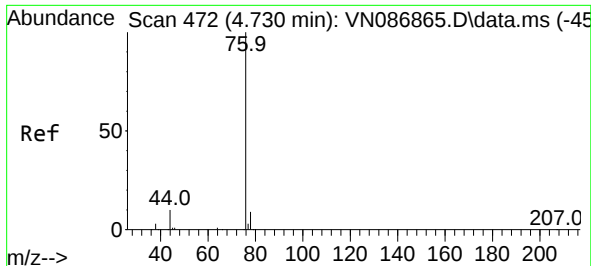
Tgt Ion:168 Resp: 317214
Ion Ratio Lower Upper
168 100
99 55.5 49.1 73.7



#16
Acetone
Concen: 0.218 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

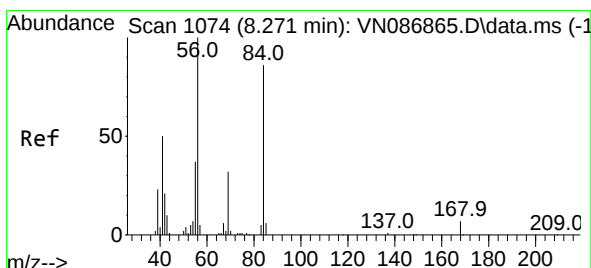
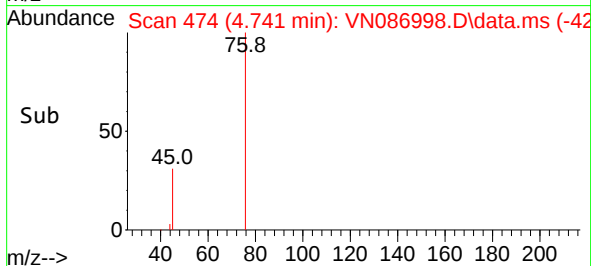
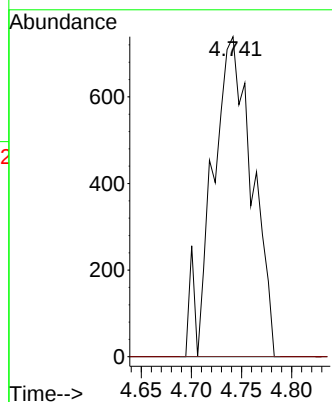
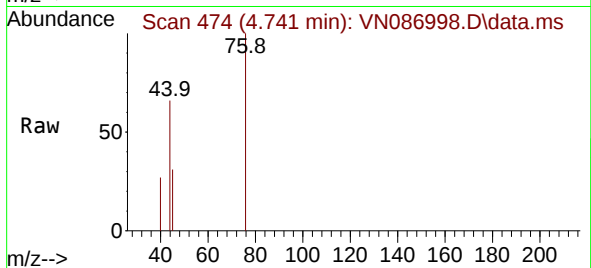




#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.741 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

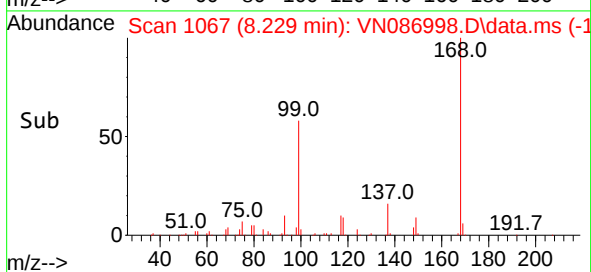
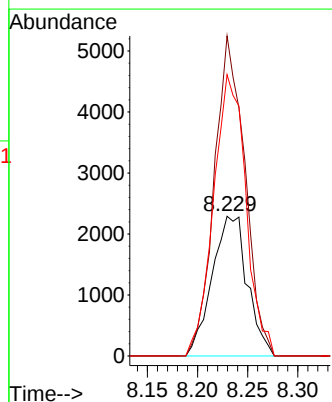
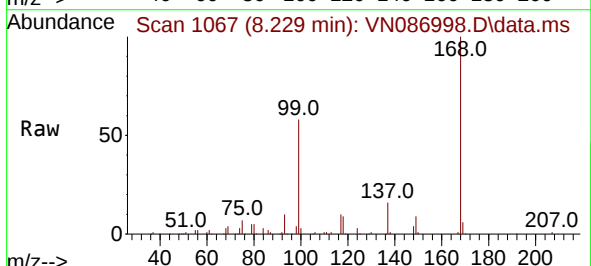
Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

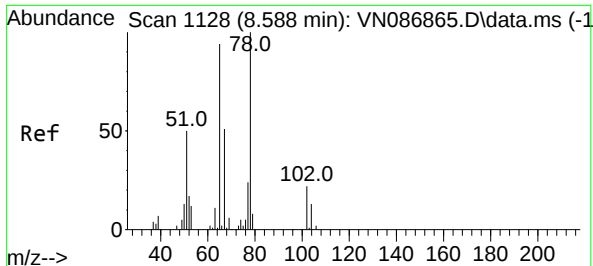
Tgt Ion: 76 Resp: 2037
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#31
Cyclohexane
Concen: 0.815 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 56 Resp: 5612
Ion Ratio Lower Upper
56 100
69 229.0 25.4 38.0#
84 201.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.949 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086998.D

Acq: 13 Jun 2025 13:47

Instrument :

MSVOA_N

ClientSampleId :

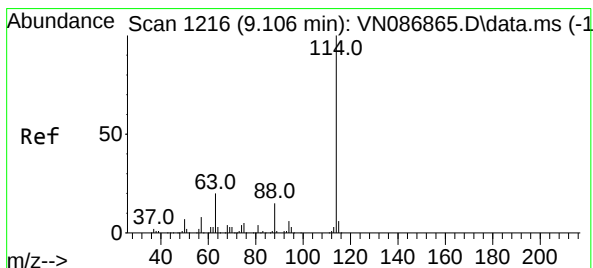
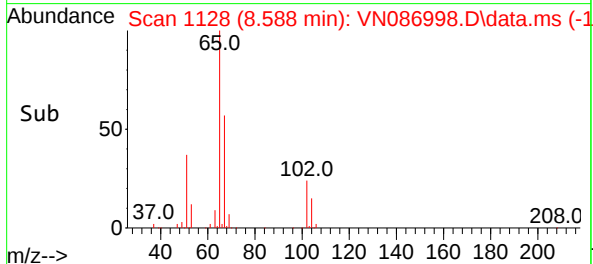
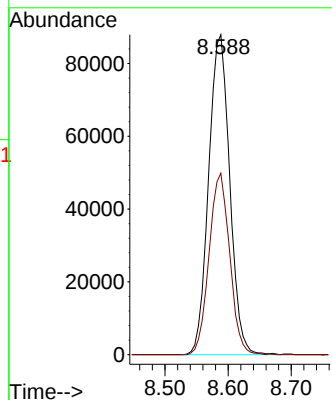
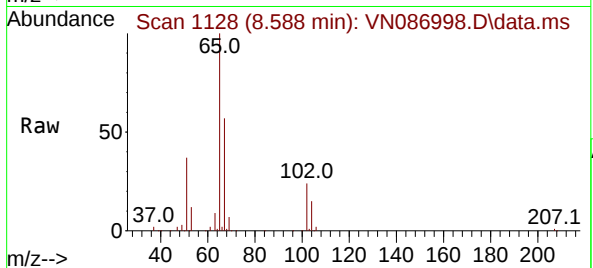
VN0613WBL01

Tgt Ion: 65 Resp: 203647

Ion Ratio Lower Upper

65 100

67 55.5 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: VN086998.D

Acq: 13 Jun 2025 13:47

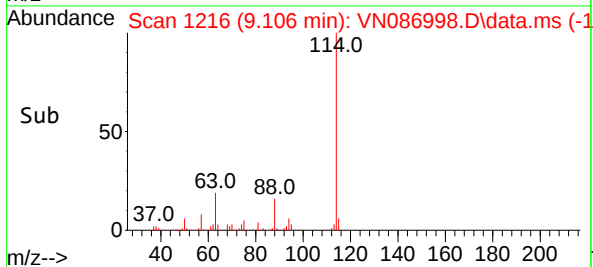
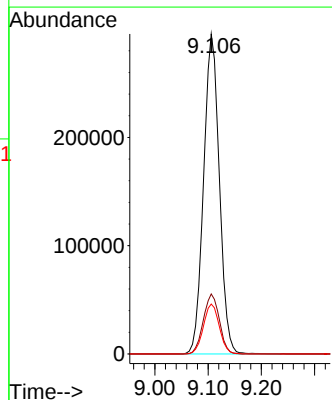
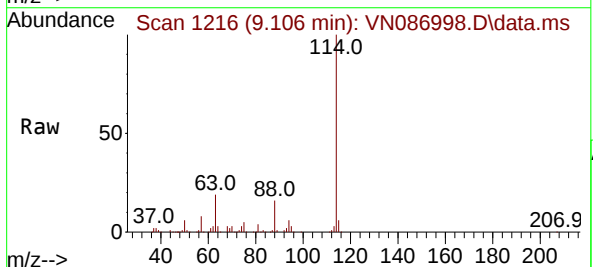
Tgt Ion: 114 Resp: 606954

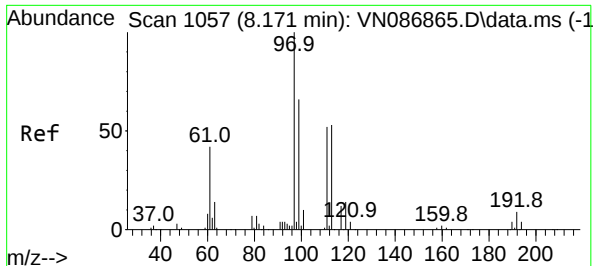
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.6 0.0 30.2

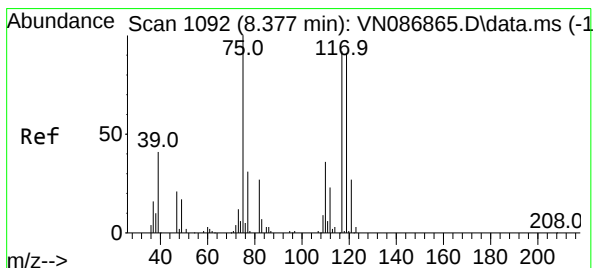
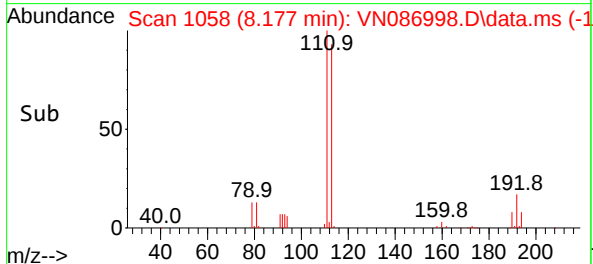
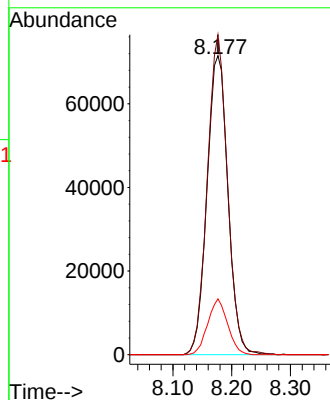
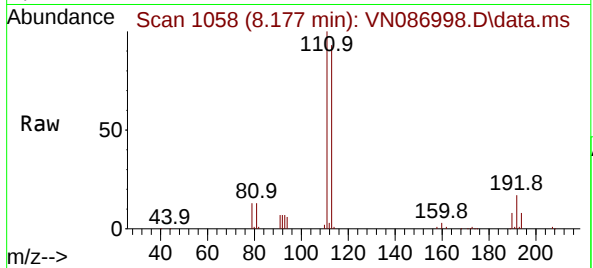




#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

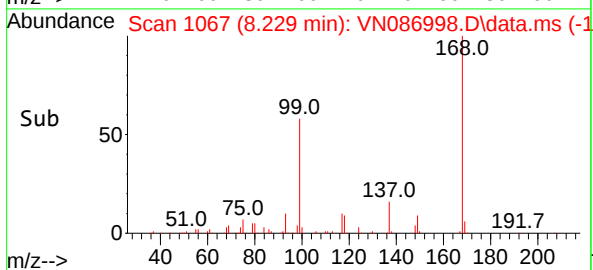
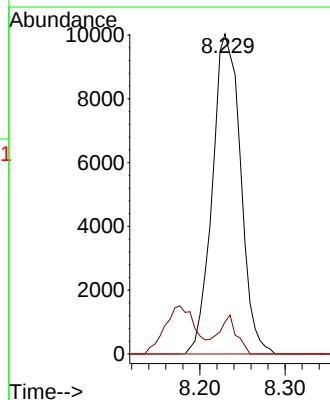
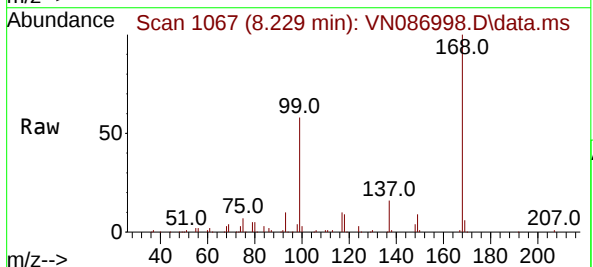
Instrument :
MSVOA_N
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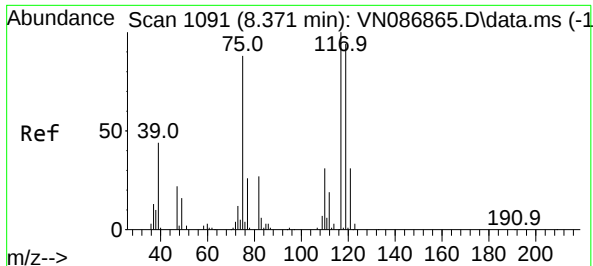
Tgt Ion:113 Resp: 177333
Ion Ratio Lower Upper
113 100
111 102.9 84.2 126.2
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.314 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 75 Resp: 23121
Ion Ratio Lower Upper
75 100
110 7.4 17.6 52.9#
77 0.0 25.3 37.9#

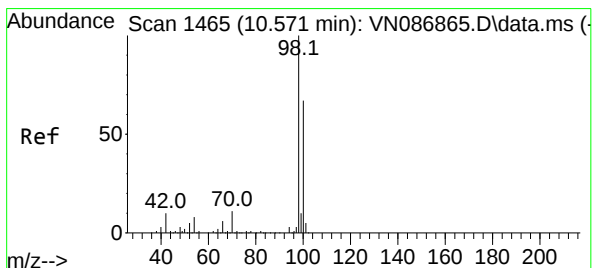
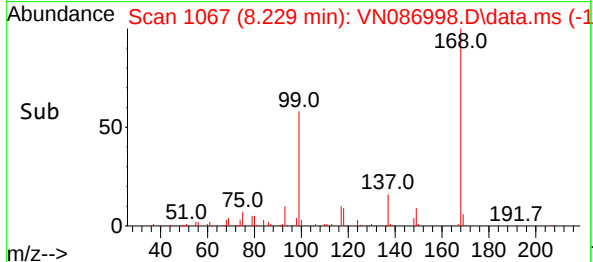
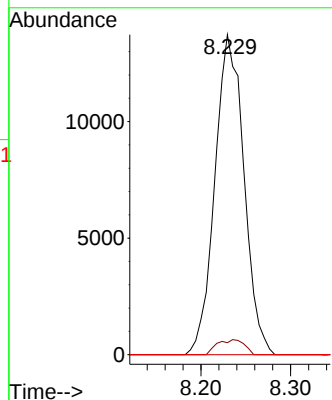
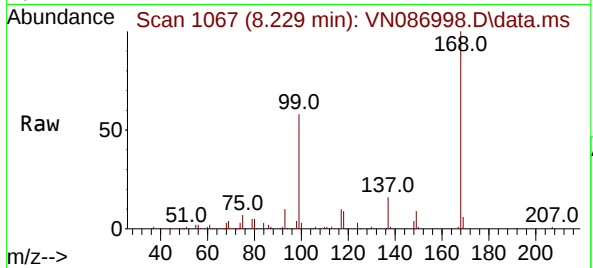




#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

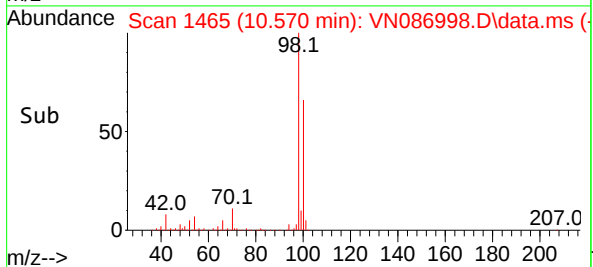
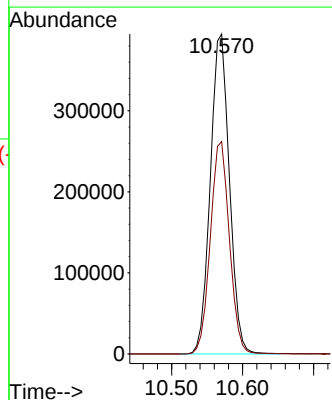
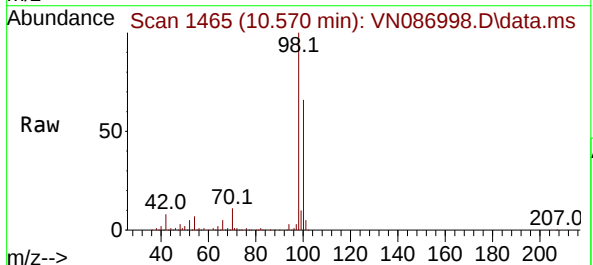
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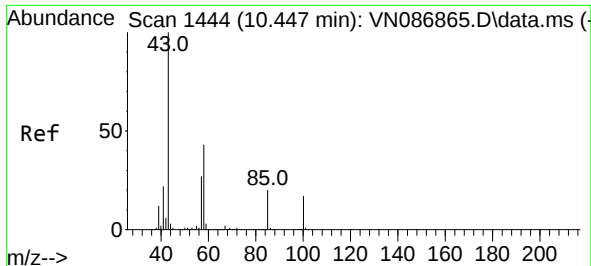
Tgt Ion:117 Resp: 30844
Ion Ratio Lower Upper
117 100
119 3.7 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.781 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 98 Resp: 737326
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

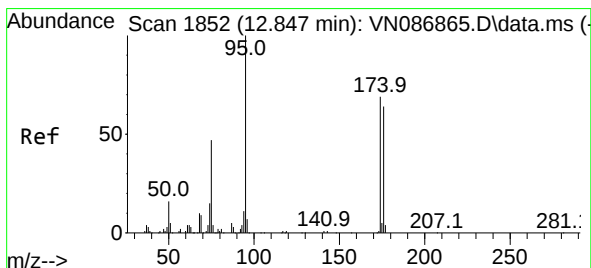
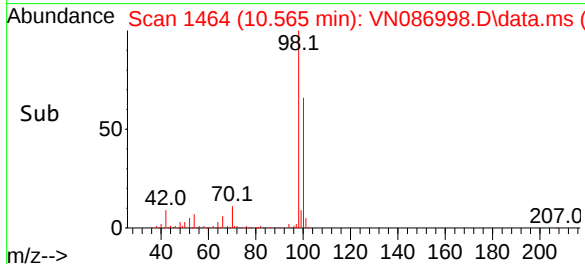
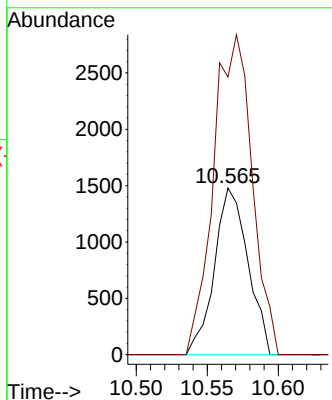
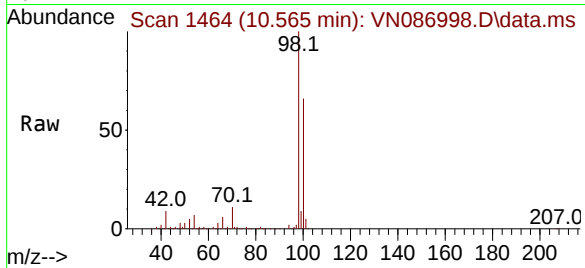




#51
4-Methyl-2-Pentanone
Concen: 0.368 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.117 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

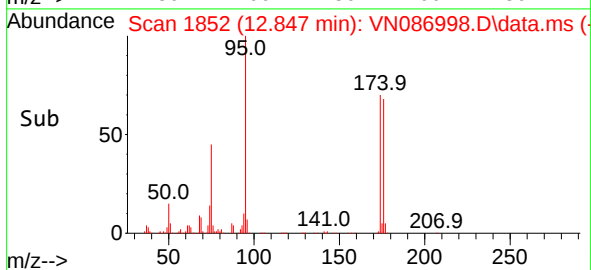
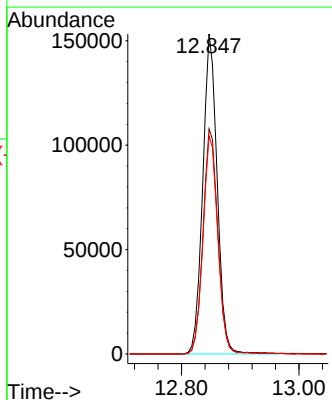
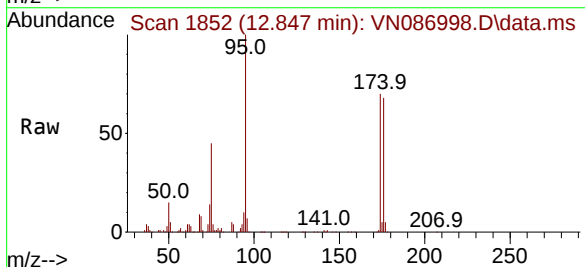
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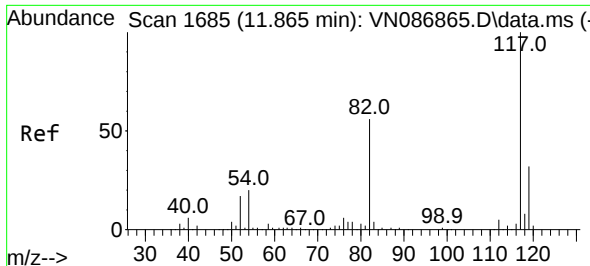
Tgt Ion: 43 Resp: 2428
Ion Ratio Lower Upper
43 100
58 221.6 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.506 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 95 Resp: 261903
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.3 0.0 132.6

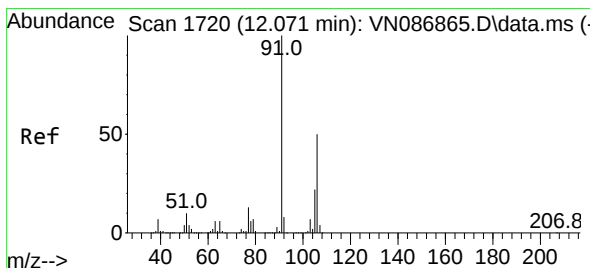
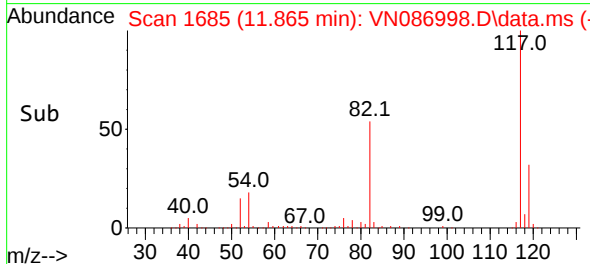
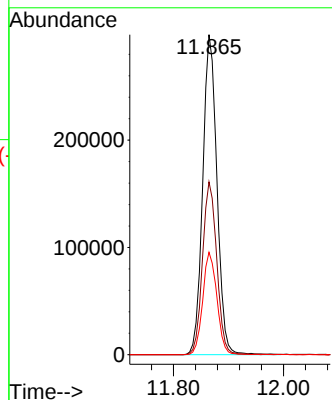
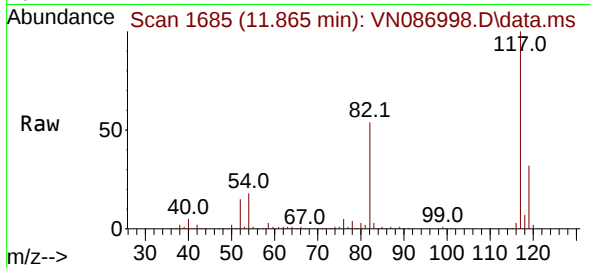




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

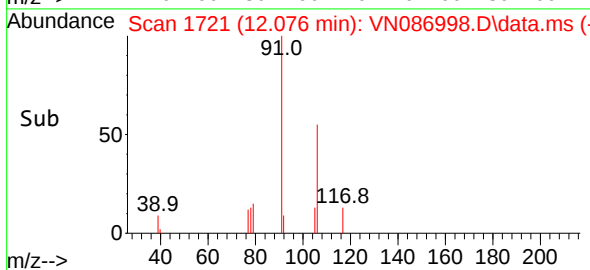
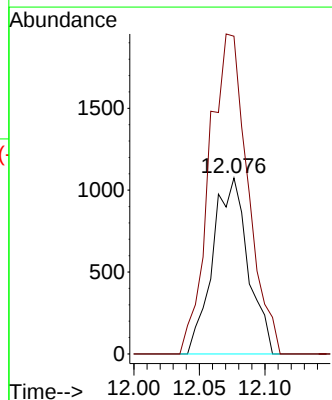
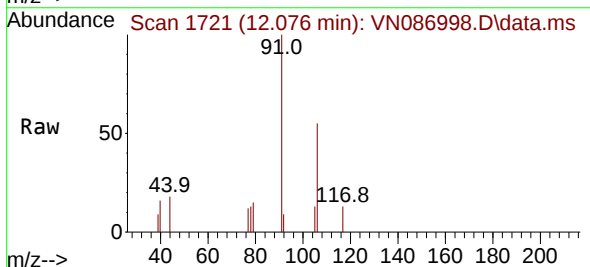
Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

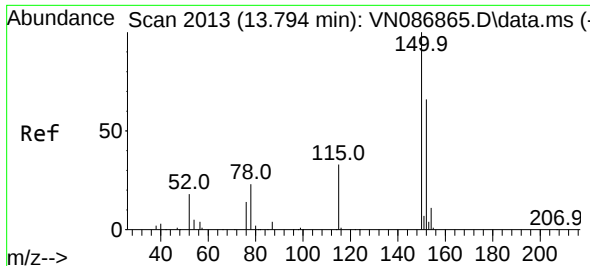
Tgt Ion:117 Resp: 536496
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 32.0 25.5 38.3



#68
m/p-Xylenes
Concen: 0.258 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

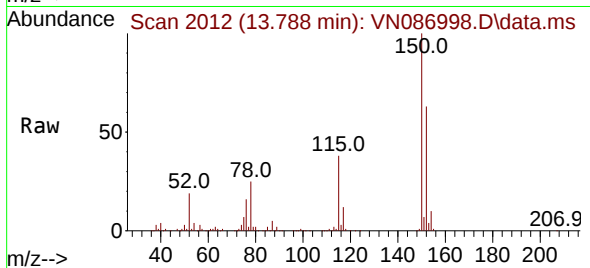
Tgt Ion:106 Resp: 2013
Ion Ratio Lower Upper
106 100
91 198.4 159.4 239.0



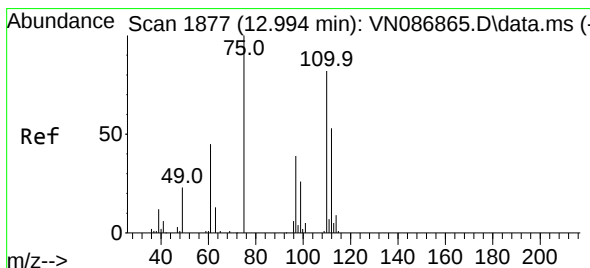
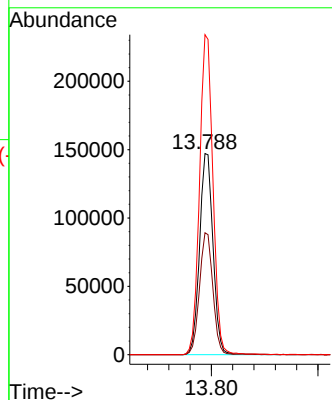
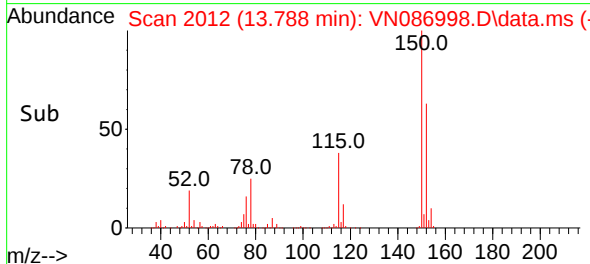


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

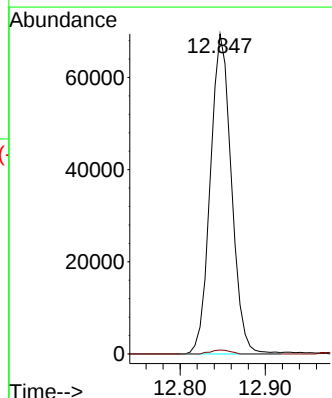
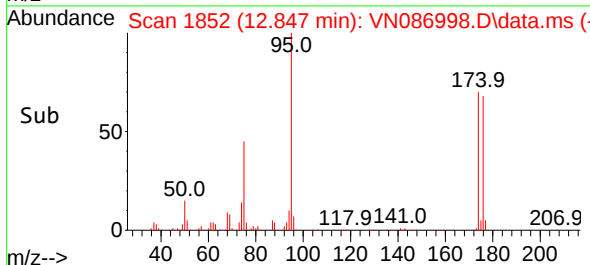
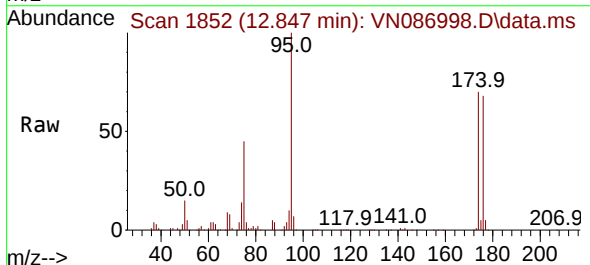


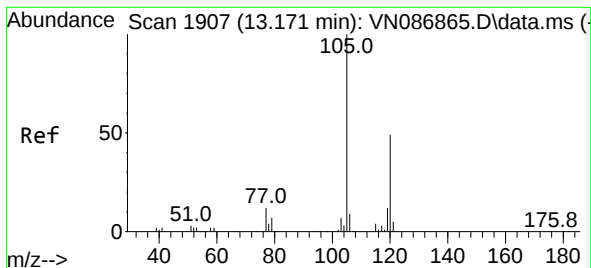
Tgt Ion:152 Resp: 258118
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 157.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 75 Resp: 119323
Ion Ratio Lower Upper
75 100
77 1.2 79.3 237.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.217 ug/l

RT: 13.176 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VN086998.D

Acq: 13 Jun 2025 13:47

Instrument :

MSVOA_N

ClientSampleId :

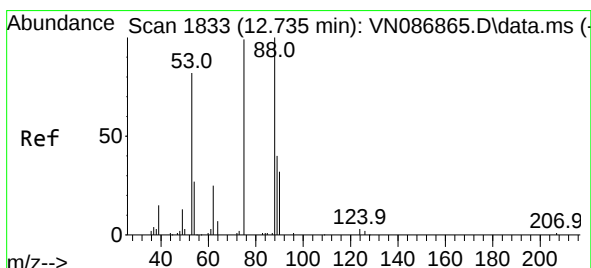
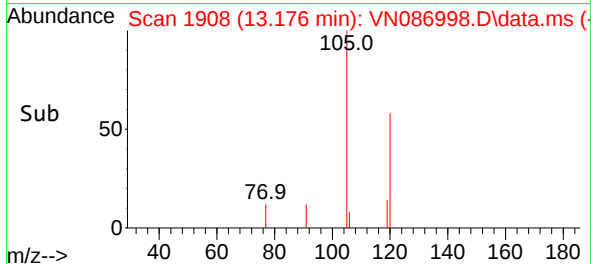
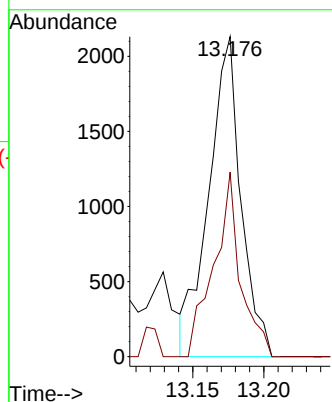
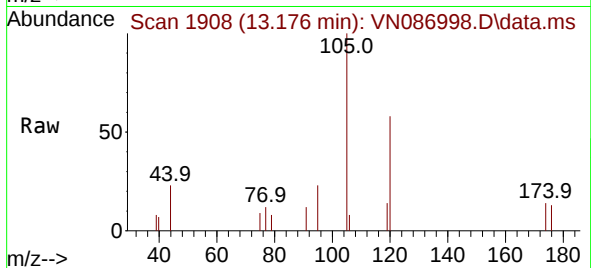
VN0613WBL01

Tgt Ion:105 Resp: 3365

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 44.768 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.111 min

Lab File: VN086998.D

Acq: 13 Jun 2025 13:47

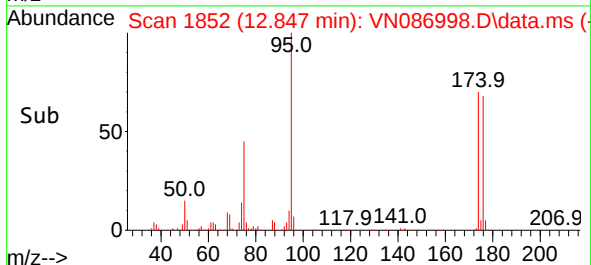
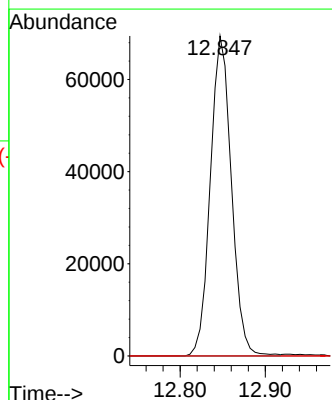
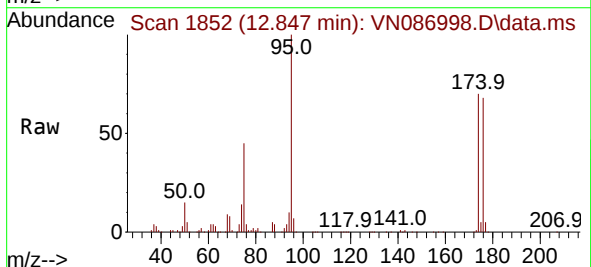
Tgt Ion: 75 Resp: 119323

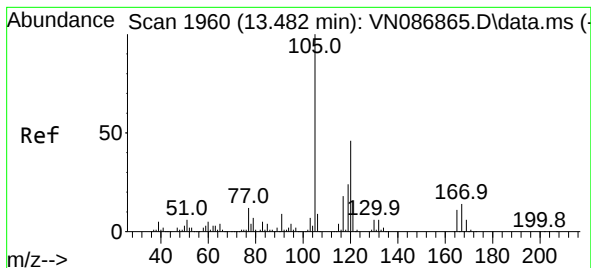
Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.319 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN086998.D

Acq: 13 Jun 2025 13:47

Instrument :

MSVOA_N

ClientSampleId :

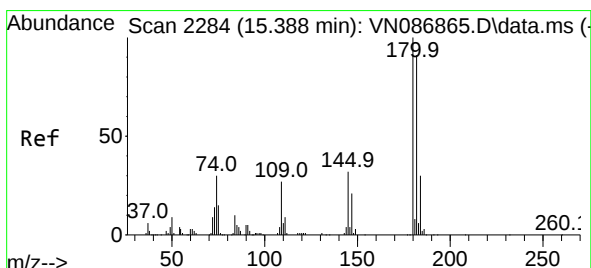
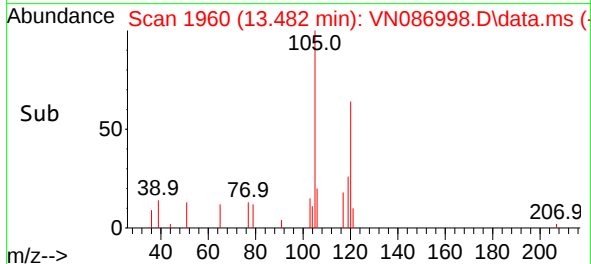
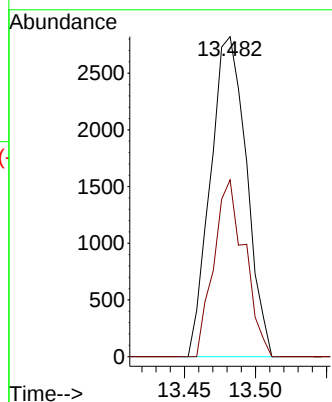
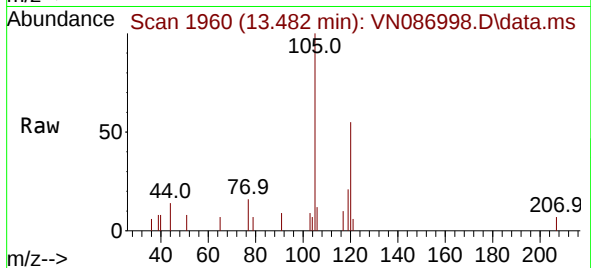
VN0613WBL01

Tgt Ion:105 Resp: 4965

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6



#93

1,2,4-Trichlorobenzene

Concen: 0.217 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN086998.D

Acq: 13 Jun 2025 13:47

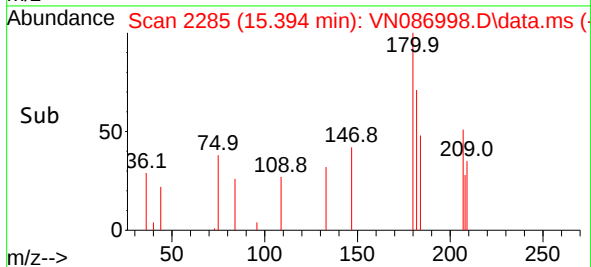
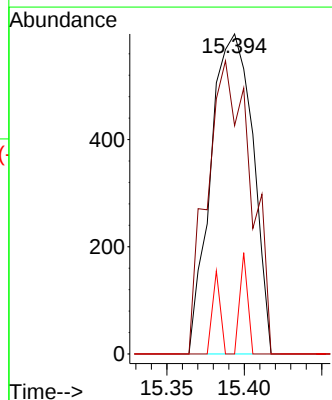
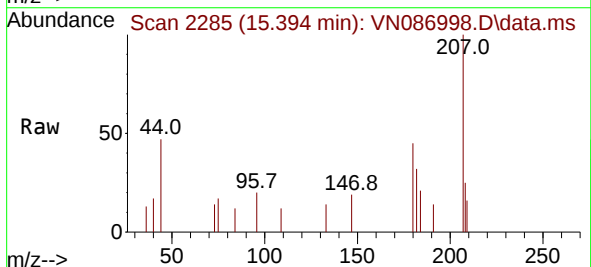
Tgt Ion:180 Resp: 1128

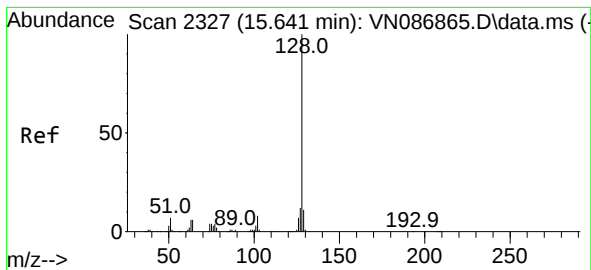
Ion Ratio Lower Upper

180 100

182 94.4 46.9 140.7

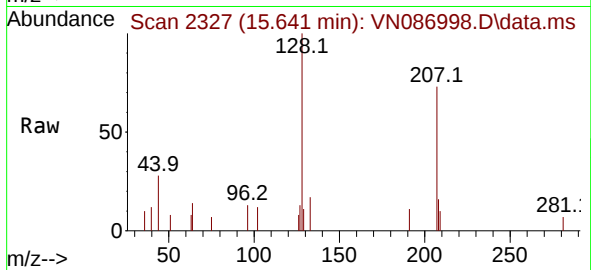
145 5.9 16.0 47.9#





#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01



Tgt Ion:	128	Resp:	4199
Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.2	15.2#
129	8.4	8.8	13.2#

