

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087075.D
 Acq On : 18 Jun 2025 11:01
 Operator : JC\MD
 Sample : VN0618MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBL01

Quant Time: Jun 19 01:23:57 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)

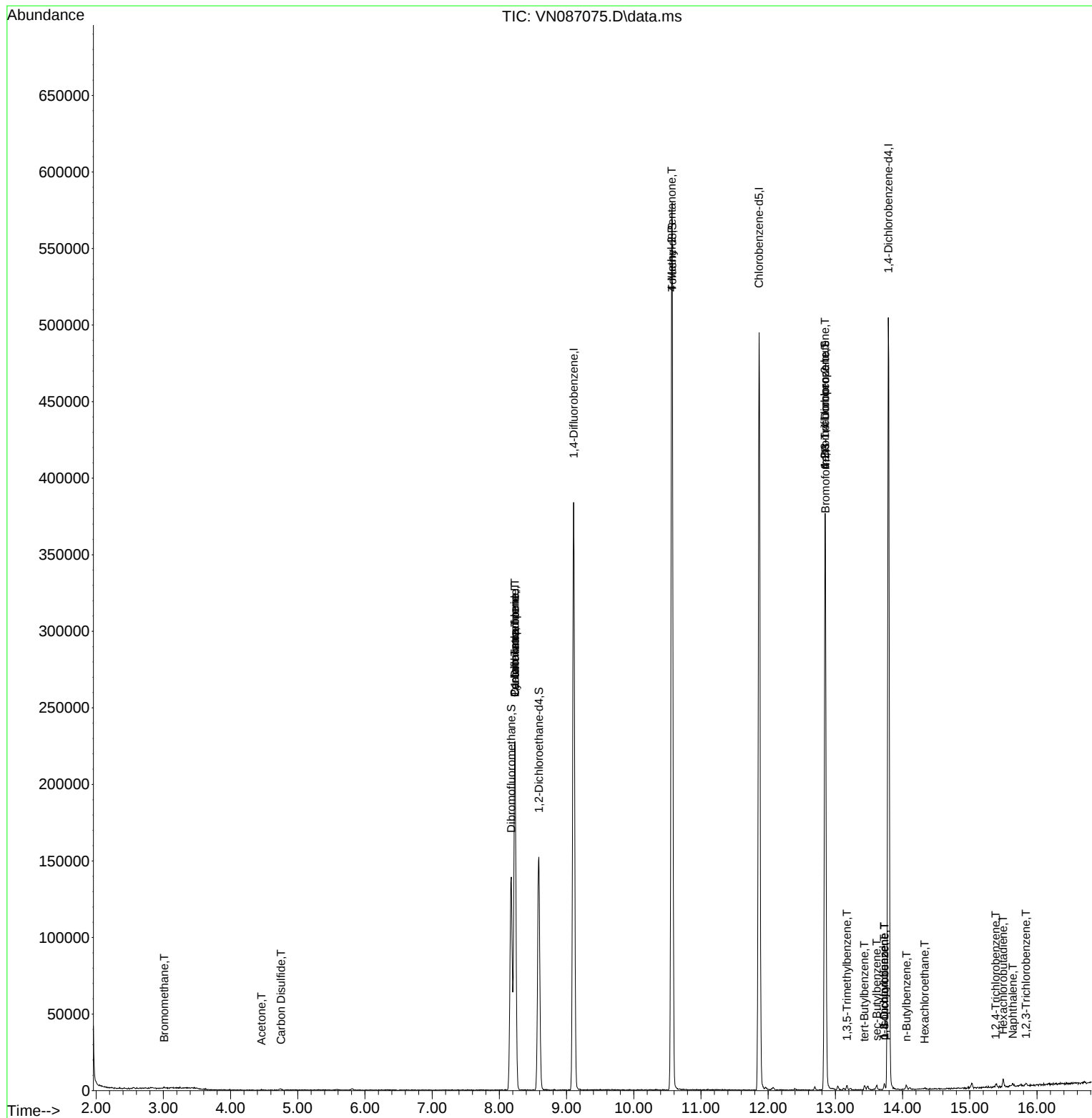
Internal Standards						
1) Pentafluorobenzene	8.230	168	179681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	357376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	127106	52.835	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.660%			
35) Dibromofluoromethane	8.177	113	109311	51.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.220%			
50) Toluene-d8	10.571	98	439977	52.477	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.847	95	150478	48.308	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.620%			
Target Compounds						Qvalue
5) Bromomethane	3.012	94	288	0.216	ug/l	98
16) Acetone	4.459	43	263	0.206	ug/l #	40
17) Carbon Disulfide	4.753	76	1595	0.288	ug/l #	75
31) Cyclohexane	8.230	56	3491	0.895	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13256	4.200	ug/l #	47
38) Carbon Tetrachloride	8.230	117	16996	5.486	ug/l #	19
51) 4-Methyl-2-Pentanone	10.565	43	1381	0.356	ug/l #	1
71) Bromoform	12.853	173	503	0.303	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70259	19.776	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	1817	0.202	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	70259	45.524	ug/l #	16
83) tert-Butylbenzene	13.429	119	1790	0.218	ug/l	89
85) sec-Butylbenzene	13.618	105	2555	0.214	ug/l	96
86) p-Isopropyltoluene	13.723	119	2022	0.205	ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	1021	0.208	ug/l	95
88) 1,4-Dichlorobenzene	13.729	146	1021	0.204	ug/l	96
89) n-Butylbenzene	14.059	91	2165	0.226	ug/l	97
90) Hexachloroethane	14.329	117	372	0.222	ug/l #	36
93) 1,2,4-Trichlorobenzene	15.388	180	916	0.304	ug/l	93
94) Hexachlorobutadiene	15.494	225	1071	0.954	ug/l	97
95) Naphthalene	15.641	128	2433	0.217	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.835	180	934	0.312	ug/l #	83

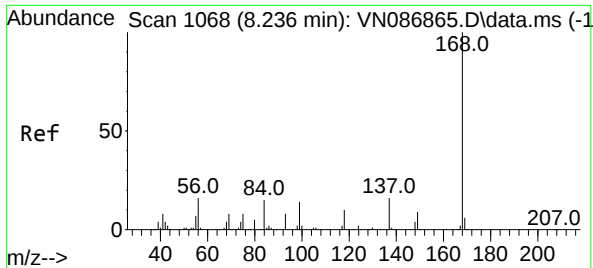
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
Data File : VN087075.D
Acq On : 18 Jun 2025 11:01
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Sample : VN0618MBL01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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VN0618MBL01

Quant Time: Jun 19 01:23:57 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

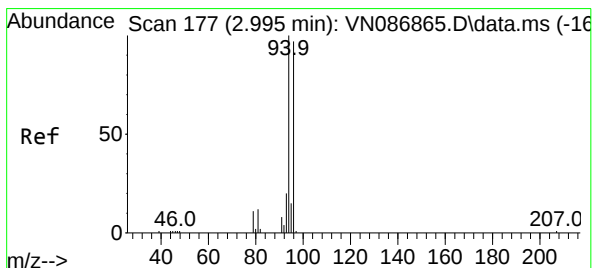
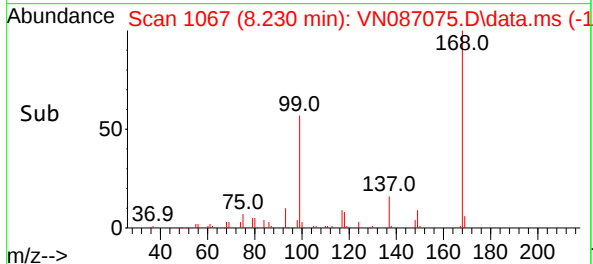
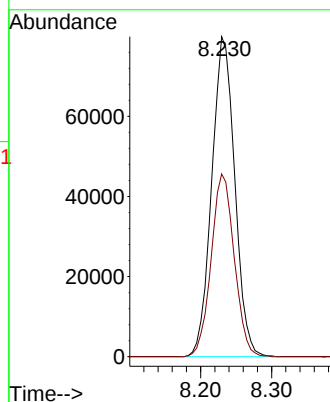
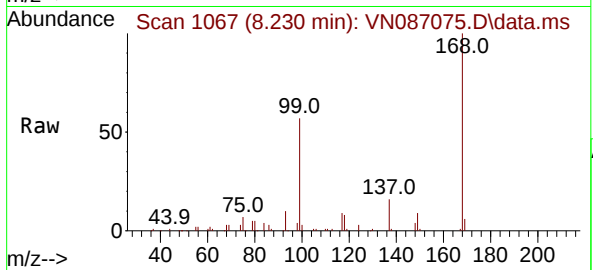




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

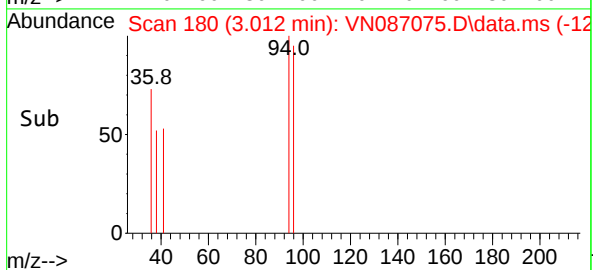
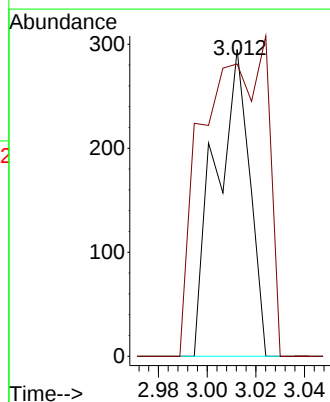
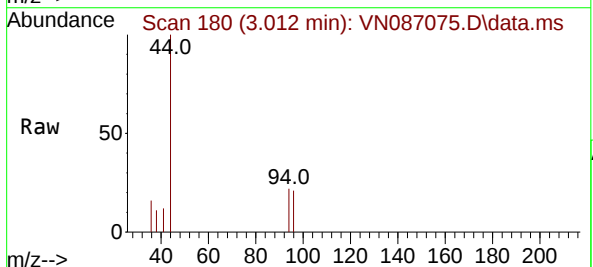
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

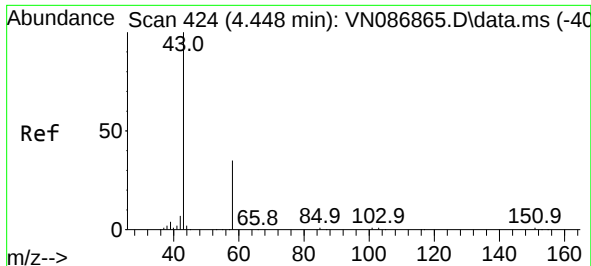
Tgt Ion:168 Resp: 179681
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#5
Bromomethane
Concen: 0.216 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.018 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 95.3 77.9 116.9

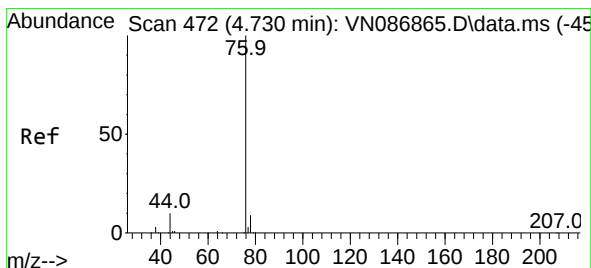
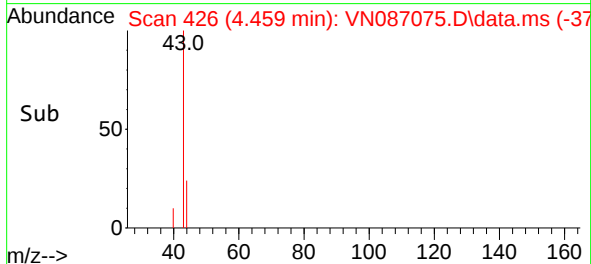
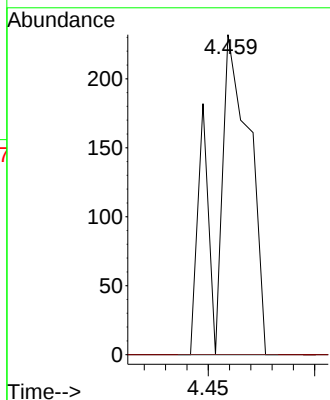
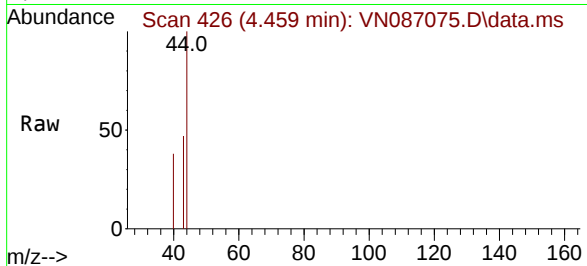




#16
Acetone
Concen: 0.206 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

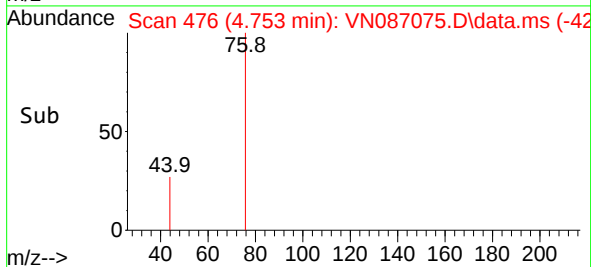
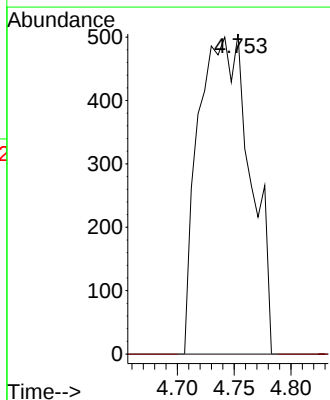
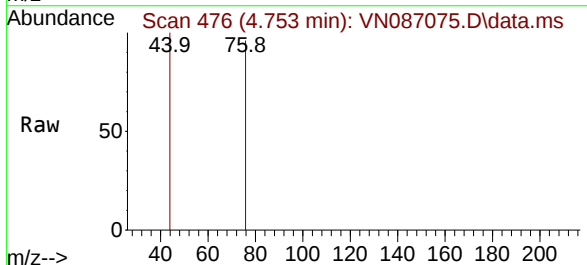
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

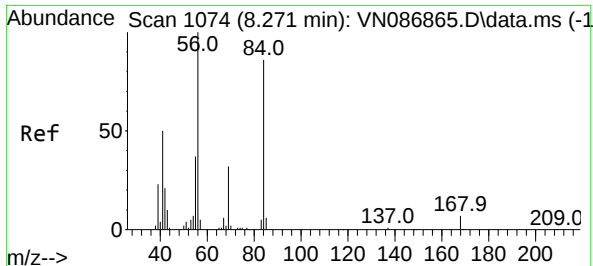
Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.288 ug/l
RT: 4.753 min Scan# 476
Delta R.T. 0.023 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 76 Resp: 1595
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

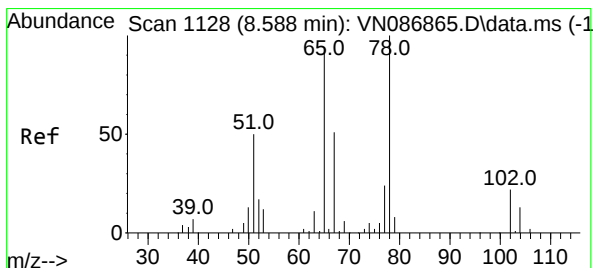
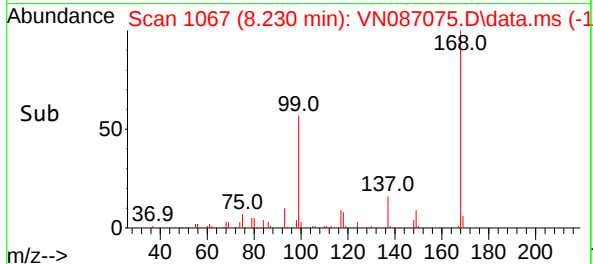
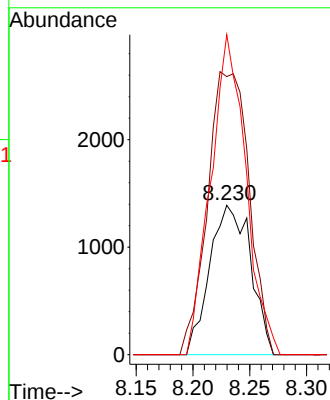
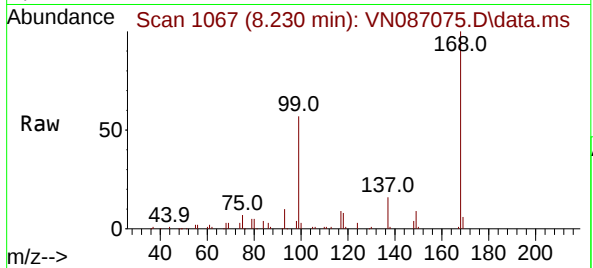




#31
Cyclohexane
Concen: 0.895 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

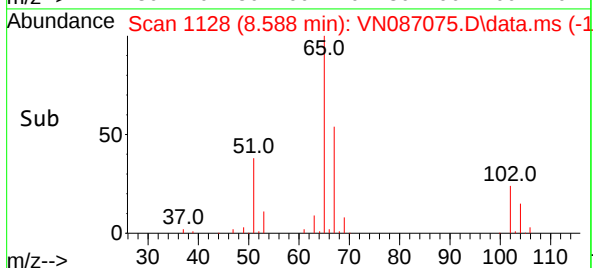
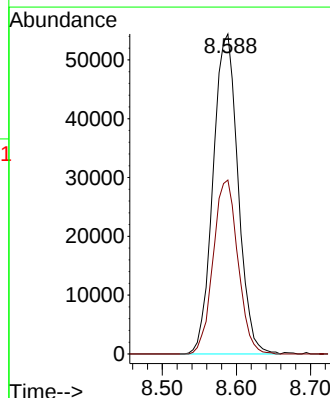
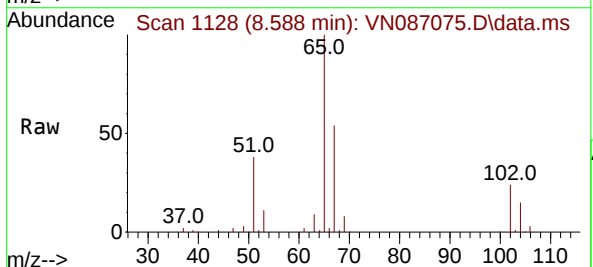
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

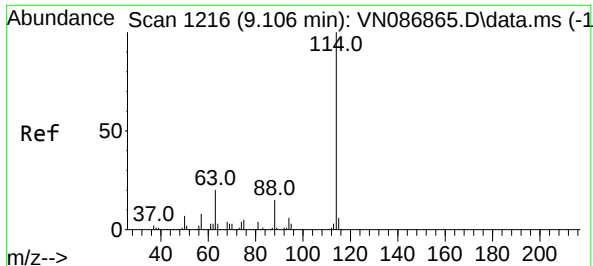
Tgt Ion: 56 Resp: 3491
Ion Ratio Lower Upper
56 100
69 186.1 25.4 38.0#
84 214.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.835 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 65 Resp: 127106
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.6

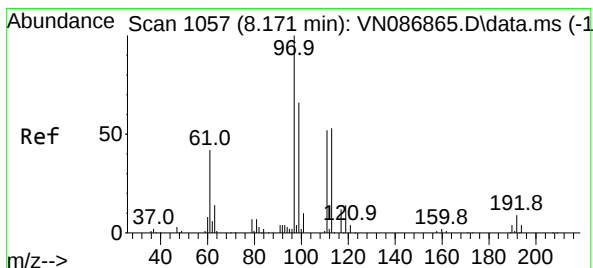
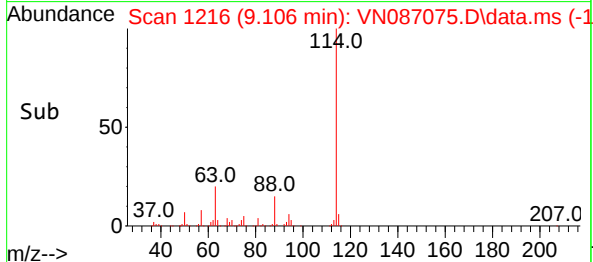
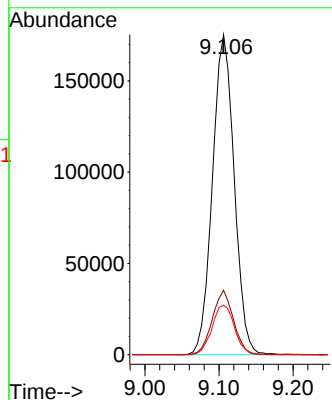
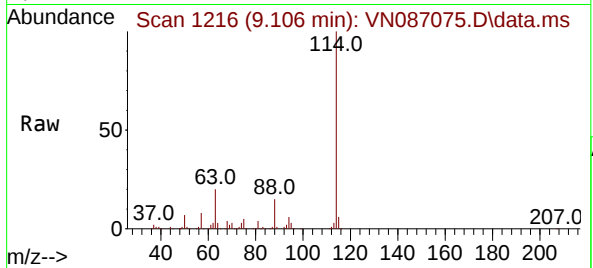




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

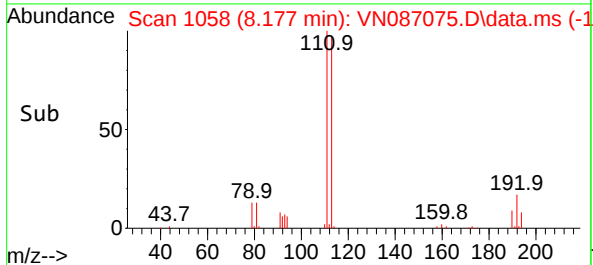
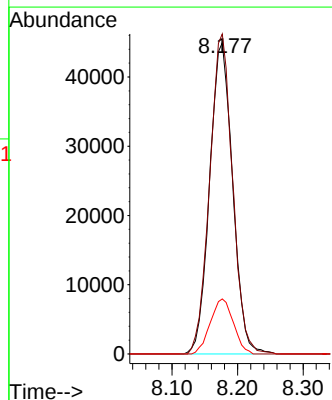
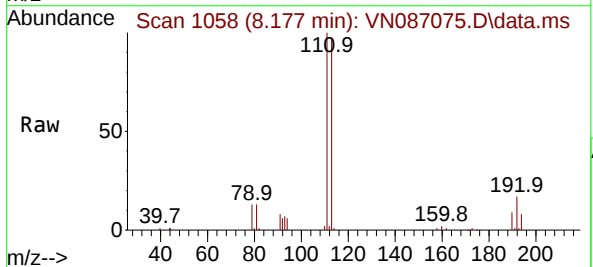
Instrument :
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ClientSampleId :
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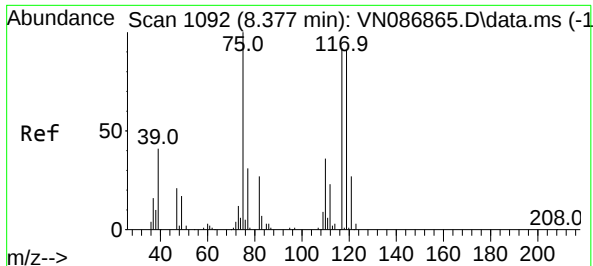
Tgt Ion:114 Resp: 357376
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 15.4 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.613 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion:113 Resp: 109311
Ion Ratio Lower Upper
113 100
111 102.2 84.2 126.2
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.200 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087075.D

Acq: 18 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBL01

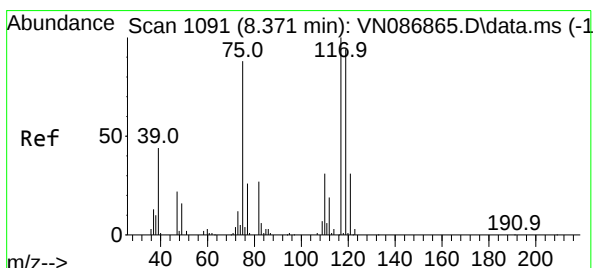
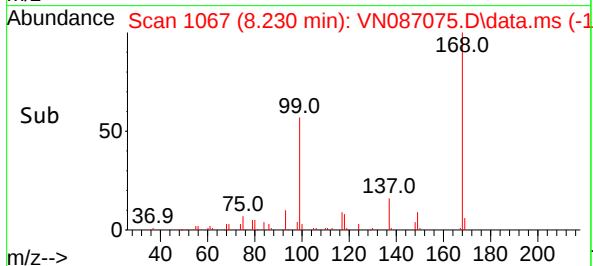
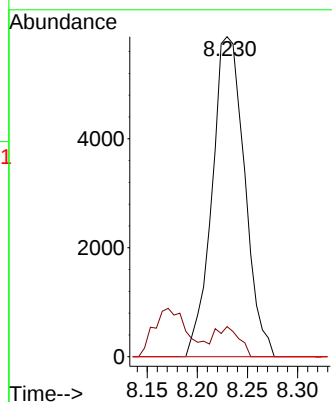
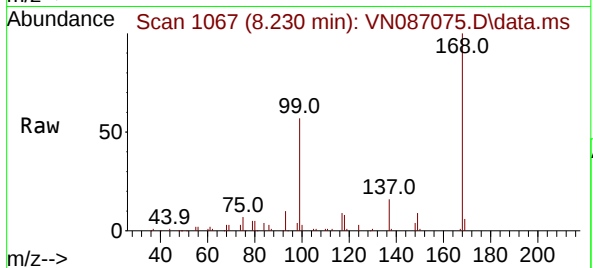
Tgt Ion: 75 Resp: 13256

Ion Ratio Lower Upper

75 100

110 6.8 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.486 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087075.D

Acq: 18 Jun 2025 11:01

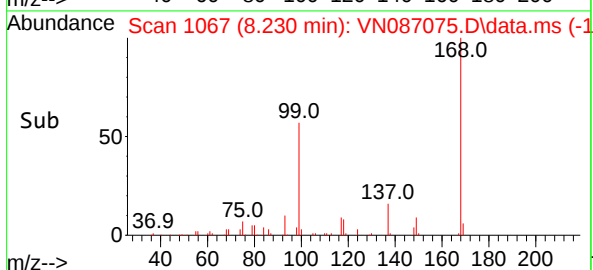
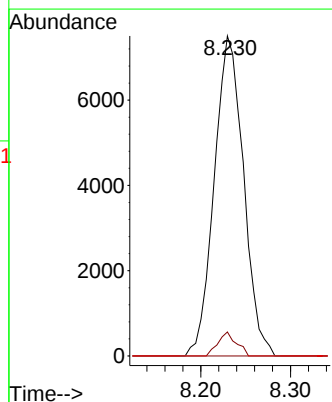
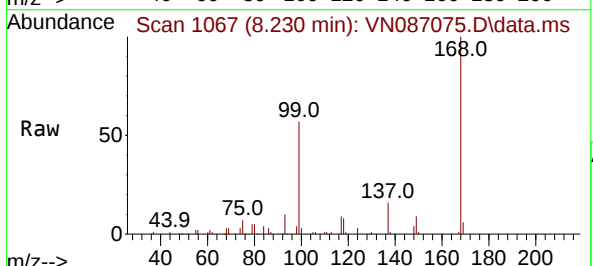
Tgt Ion: 117 Resp: 16996

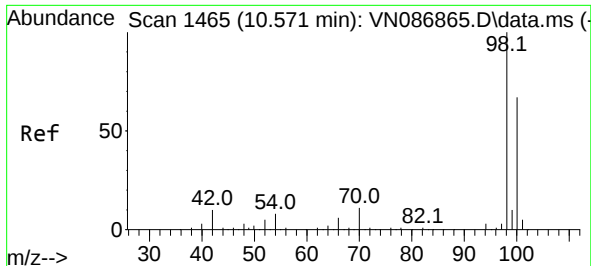
Ion Ratio Lower Upper

117 100

119 7.5 75.0 112.6#

121 0.0 24.9 37.3#

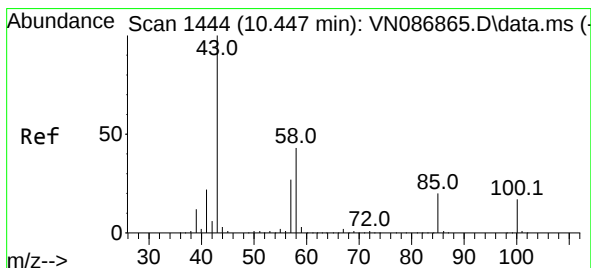
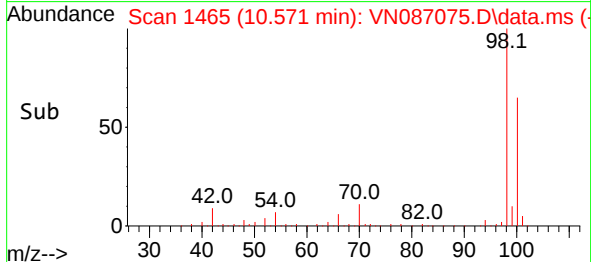
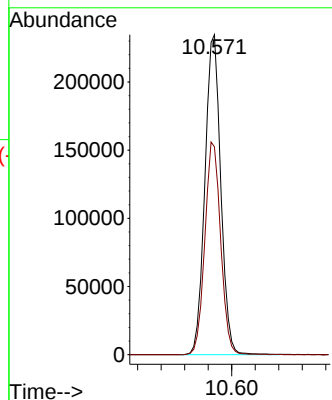
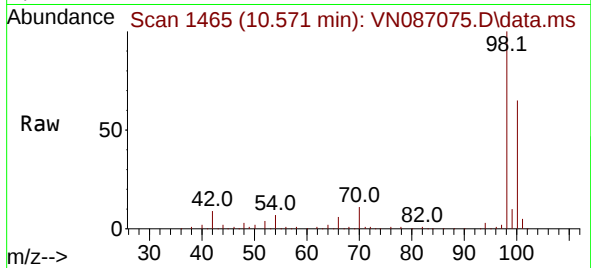




#50
Toluene-d8
Concen: 52.477 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

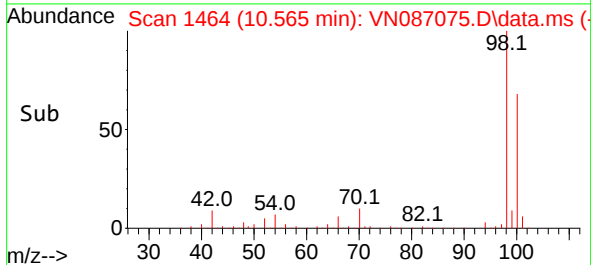
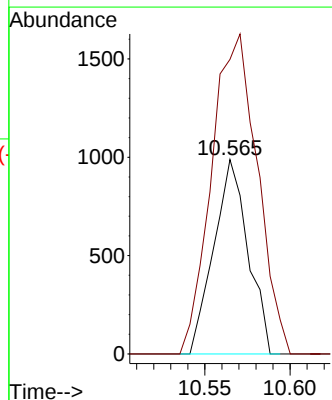
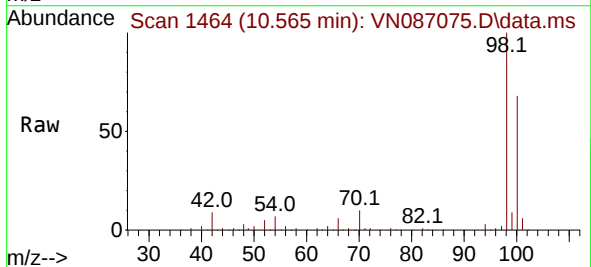
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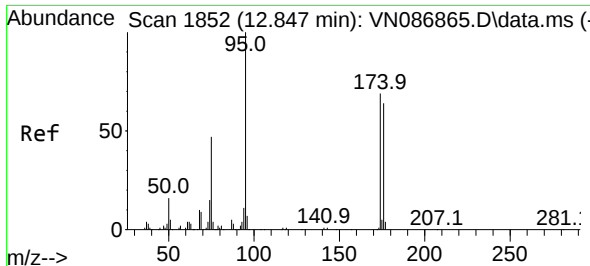
Tgt Ion: 98 Resp: 439977
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
58 220.1 34.2 51.4#

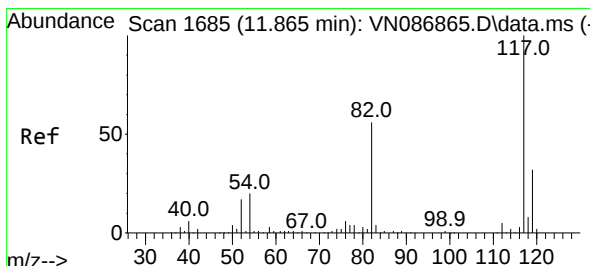
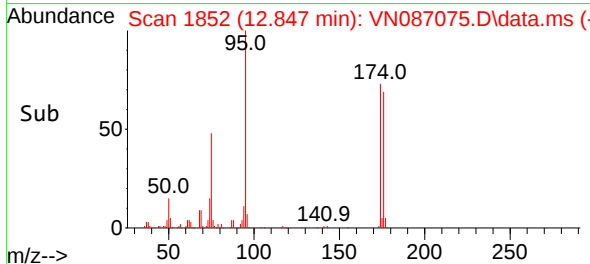
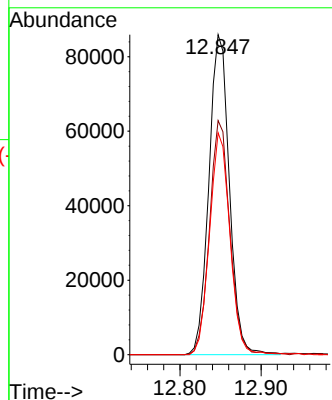
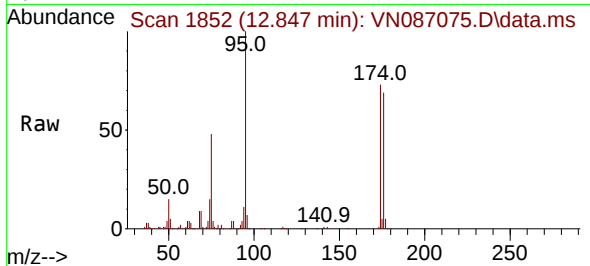




#62
4-Bromofluorobenzene
Concen: 48.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

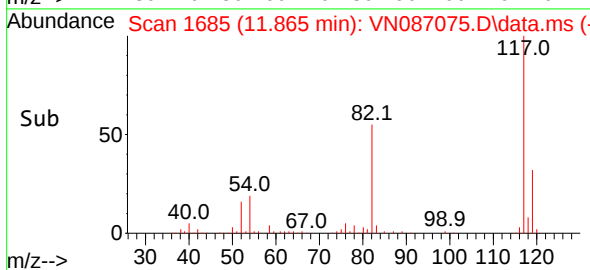
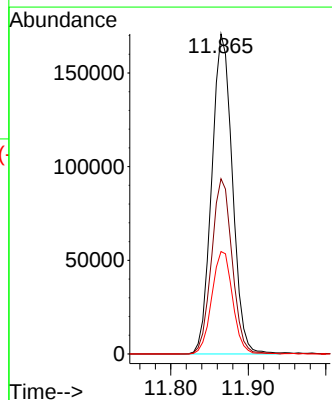
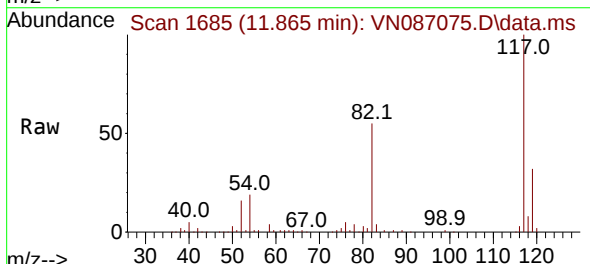
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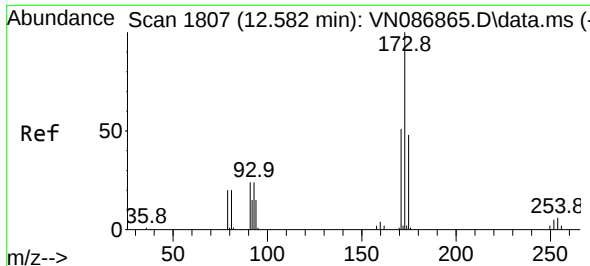
Tgt Ion: 95 Resp: 150478
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.8
176 68.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 117 Resp: 315794
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 32.0 25.5 38.3

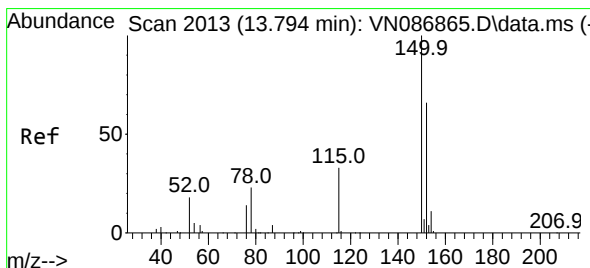
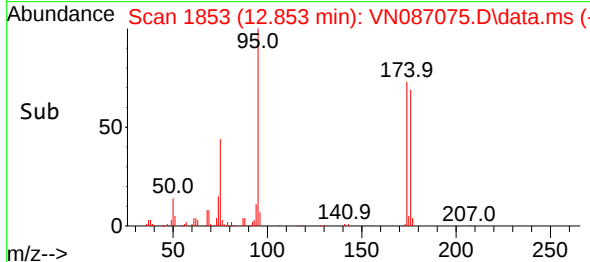
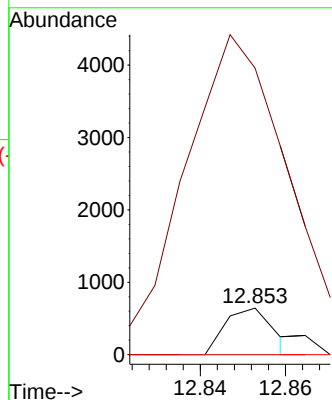
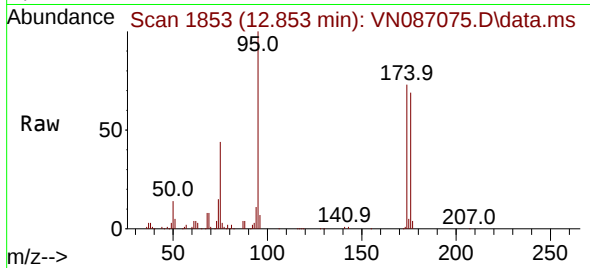




#71
Bromoform
Concen: 0.303 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

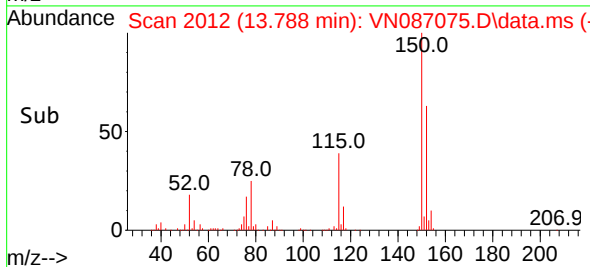
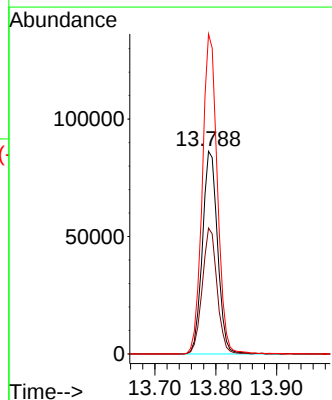
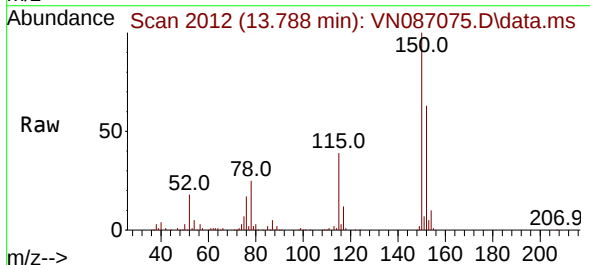
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

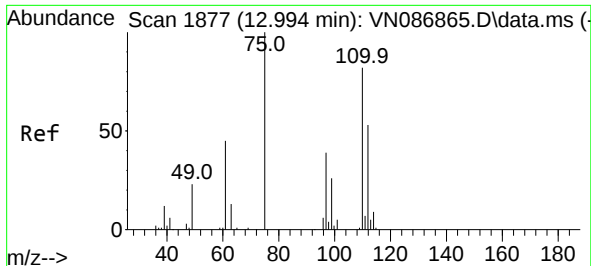
Tgt Ion:173 Resp: 503
Ion Ratio Lower Upper
173 100
175 1293.0 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion:152 Resp: 149459
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.5
150 156.6 0.0 345.0

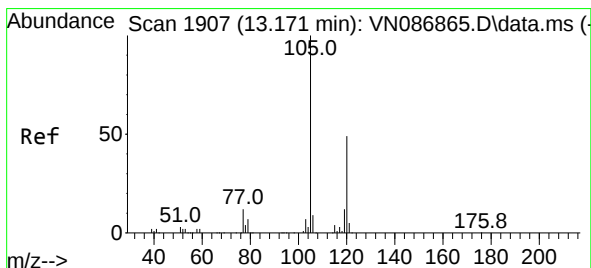
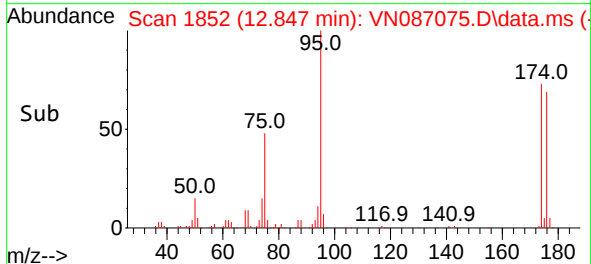
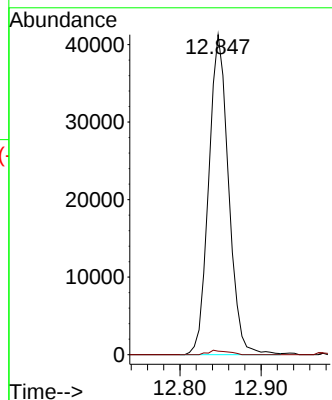
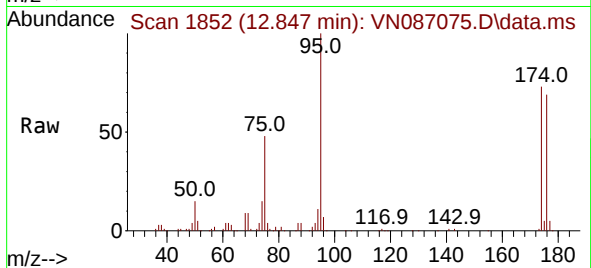




#76
1,2,3-Trichloropropane
Concen: 19.776 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

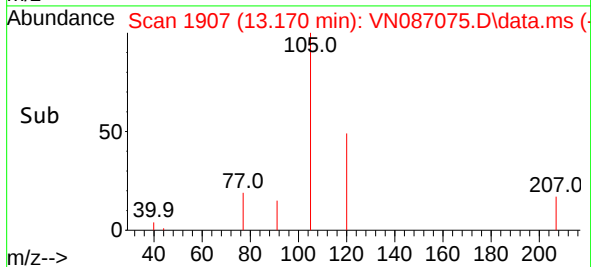
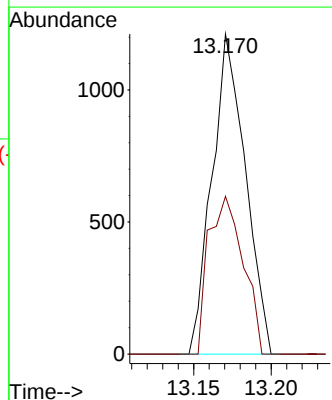
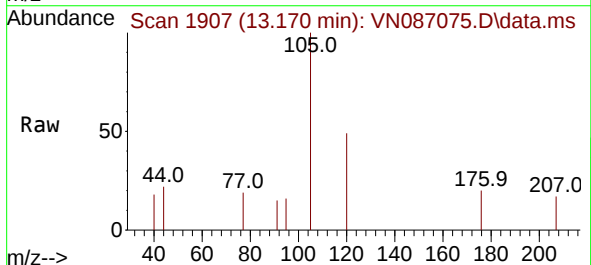
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

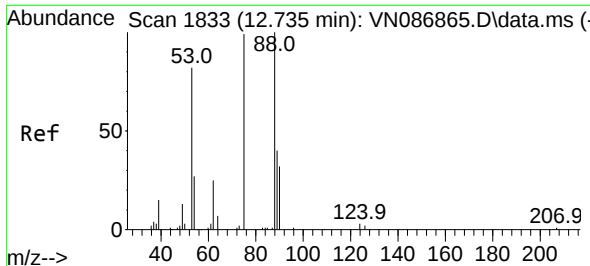
Tgt Ion: 75 Resp: 70259
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.202 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 105 Resp: 1817
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.6

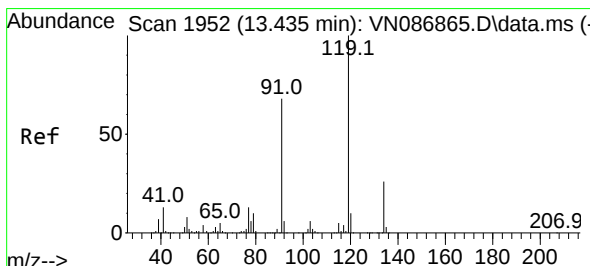
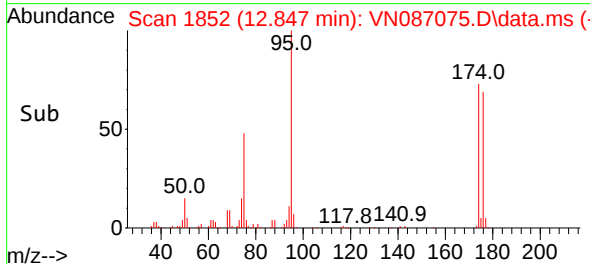
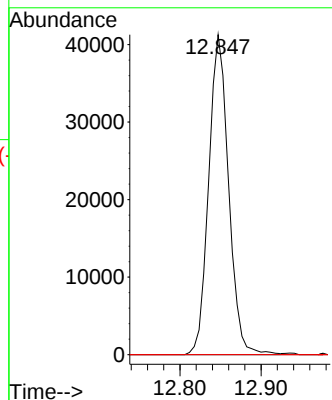
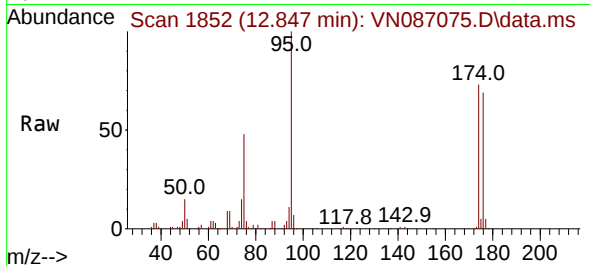




#81
trans-1,4-Dichloro-2-butene
Concen: 45.524 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

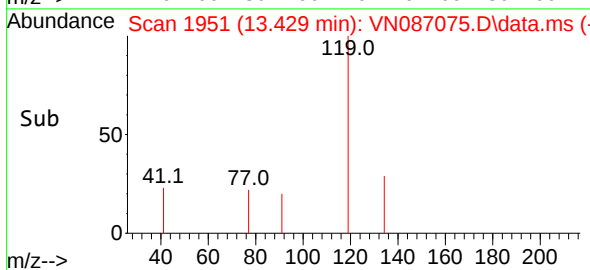
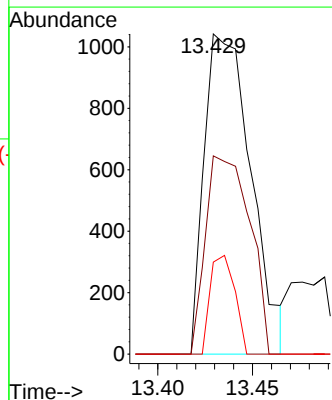
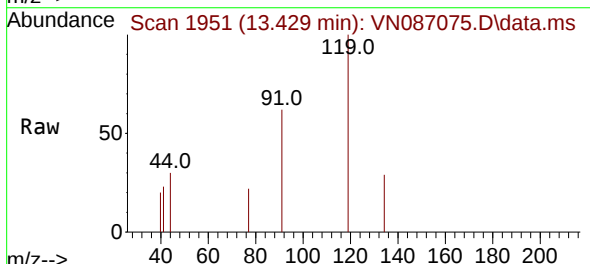
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

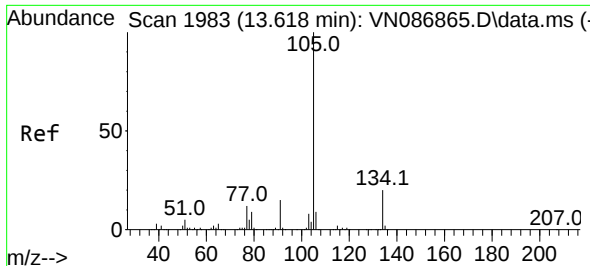
Tgt Ion: 75 Resp: 70259
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#83
tert-Butylbenzene
Concen: 0.218 ug/l
RT: 13.429 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion: 119 Resp: 1790
Ion Ratio Lower Upper
119 100
91 58.6 32.1 96.5
134 16.2 13.4 40.1

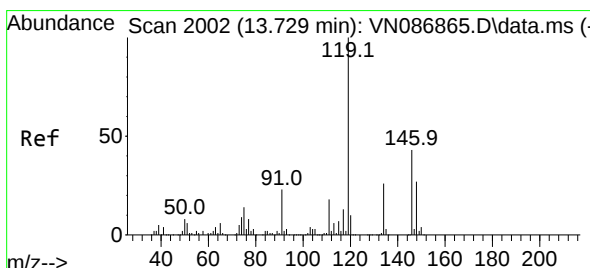
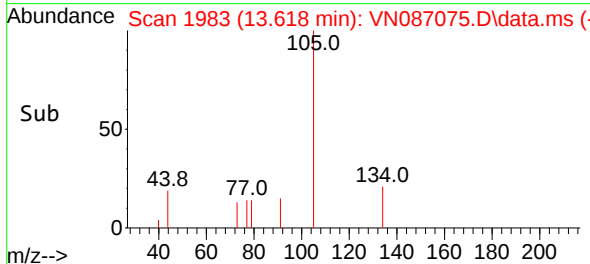
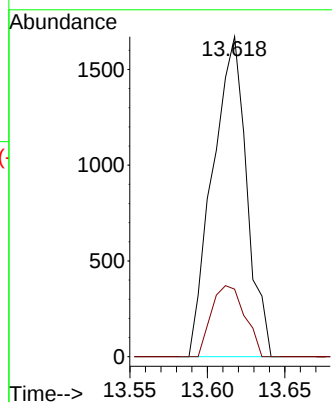
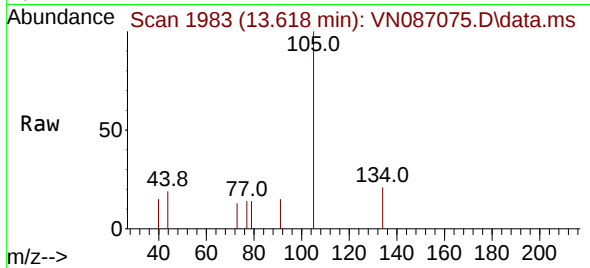




#85
 sec-Butylbenzene
 Concen: 0.214 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN087075.D
 Acq: 18 Jun 2025 11:01

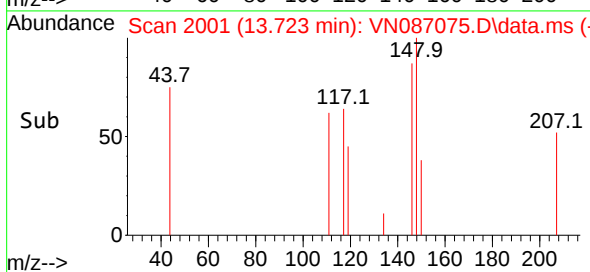
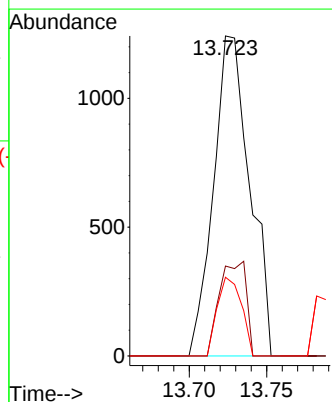
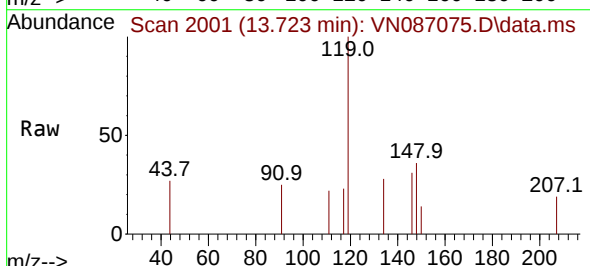
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBL01

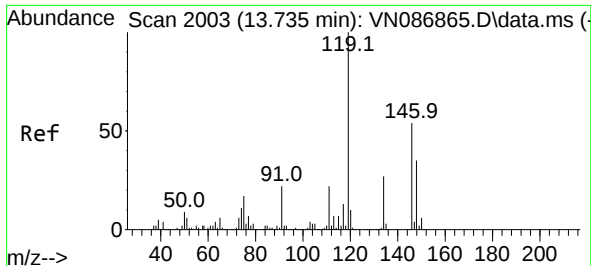
Tgt Ion:105 Resp: 2555
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 0.205 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN087075.D
 Acq: 18 Jun 2025 11:01

Tgt Ion:119 Resp: 2022
 Ion Ratio Lower Upper
 119 100
 134 21.7 13.5 40.4
 91 16.4 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 0.208 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN087075.D

Acq: 18 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBL01

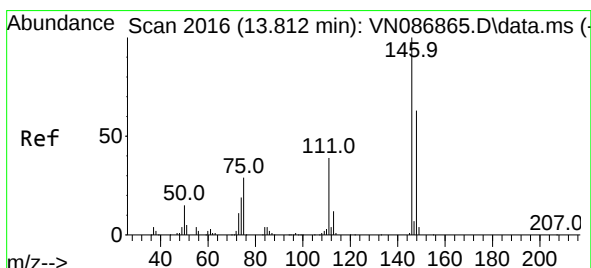
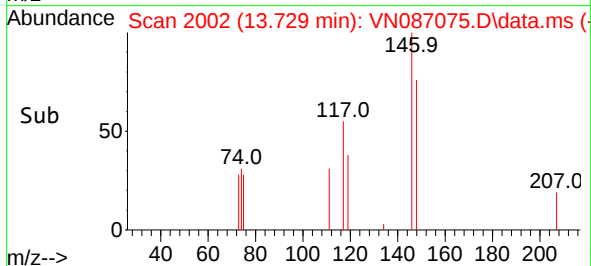
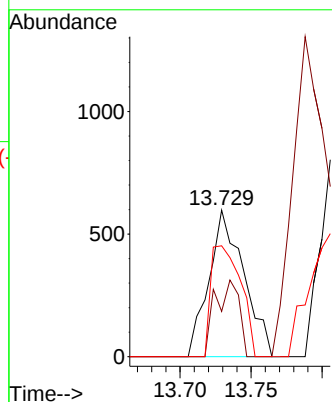
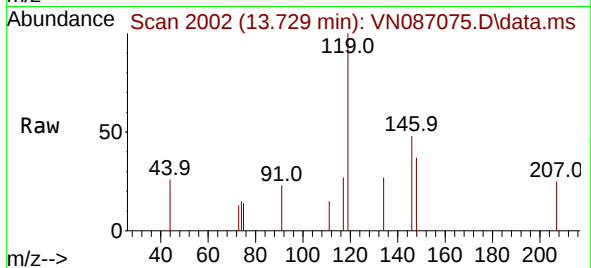
Tgt Ion:146 Resp: 1021

Ion Ratio Lower Upper

146 100

111 35.5 20.9 62.8

148 64.8 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.204 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN087075.D

Acq: 18 Jun 2025 11:01

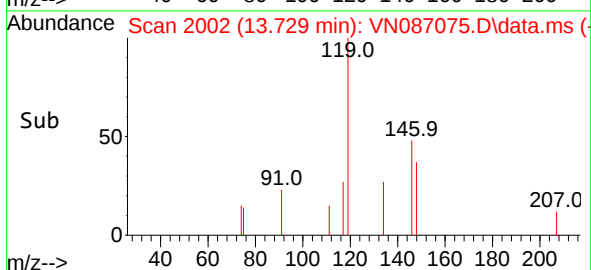
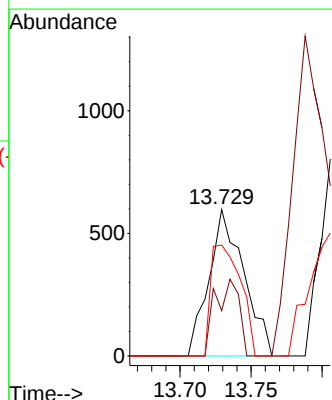
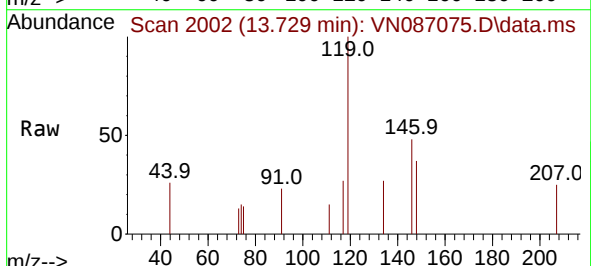
Tgt Ion:146 Resp: 1021

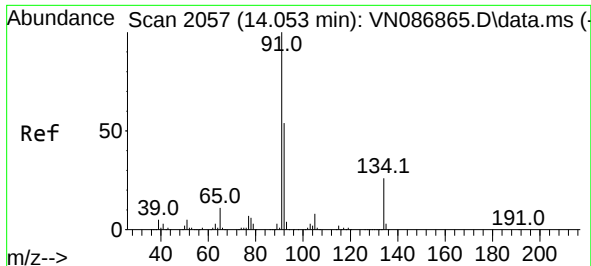
Ion Ratio Lower Upper

146 100

111 35.5 19.9 59.7

148 64.8 31.8 95.4

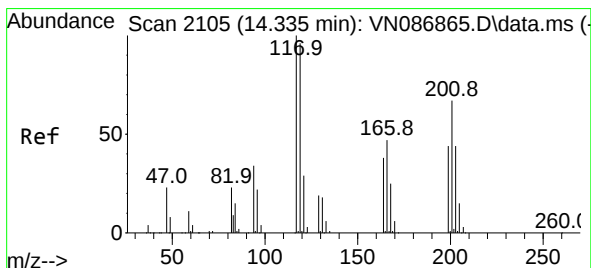
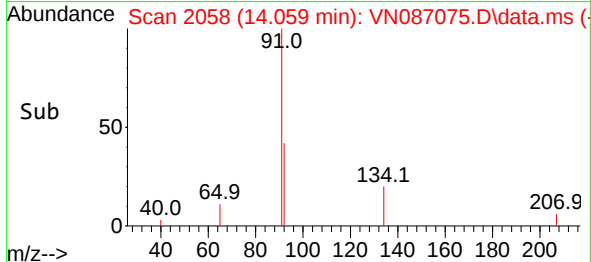
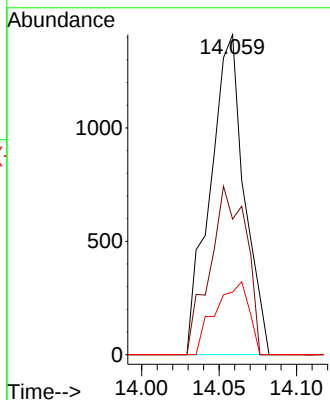
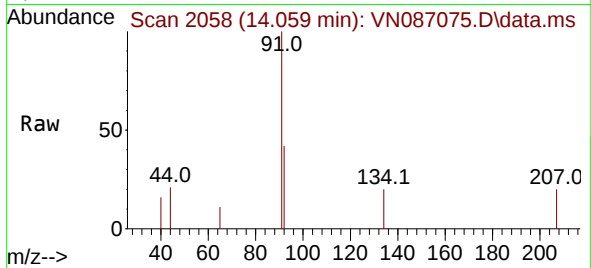




#89
n-Butylbenzene
Concen: 0.226 ug/l
RT: 14.059 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

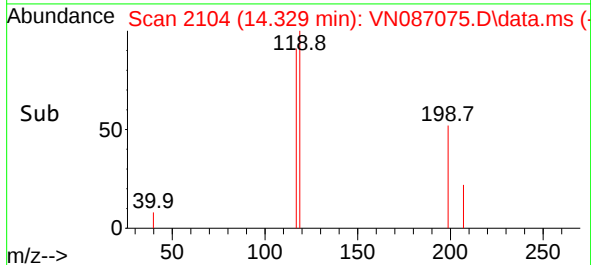
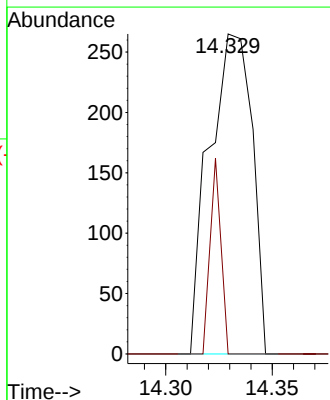
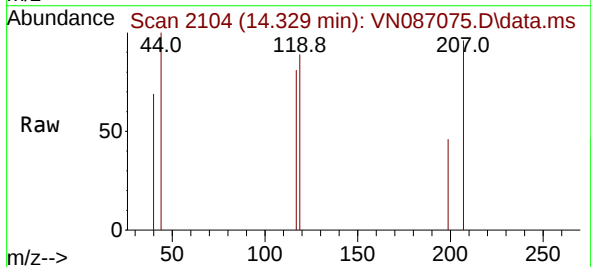
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

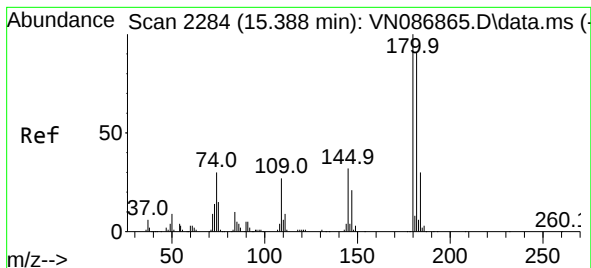
Tgt Ion:	91	Resp:	2165
Ion	Ratio	Lower	Upper
91	100		
92	55.9	27.5	82.4
134	22.4	13.0	39.0



#90
Hexachloroethane
Concen: 0.222 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion:	117	Resp:	372
Ion	Ratio	Lower	Upper
117	100		
201	15.3	33.2	99.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.304 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087075.D

Acq: 18 Jun 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0618MBL01

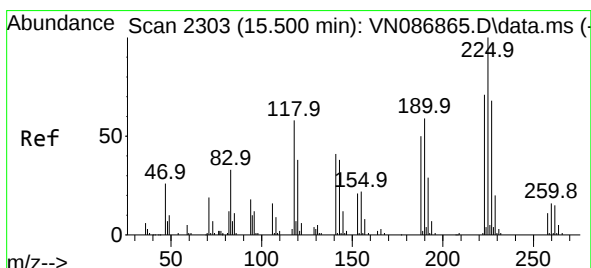
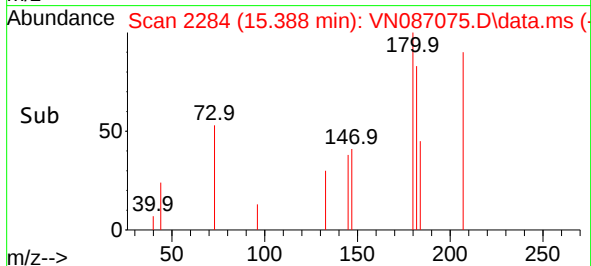
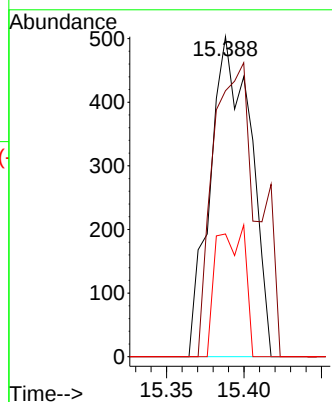
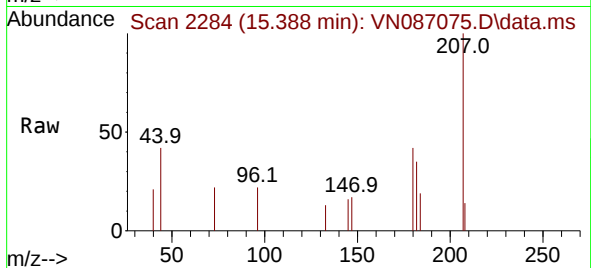
Tgt Ion:180 Resp: 916

Ion Ratio Lower Upper

180 100

182 100.8 46.9 140.7

145 28.8 16.0 47.9



#94

Hexachlorobutadiene

Concen: 0.954 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN087075.D

Acq: 18 Jun 2025 11:01

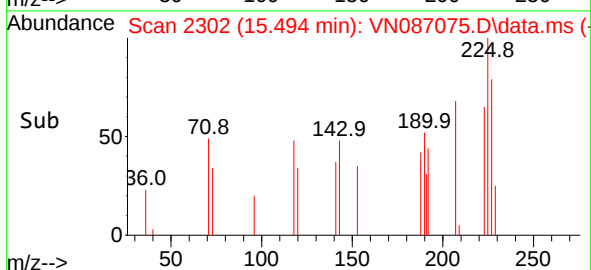
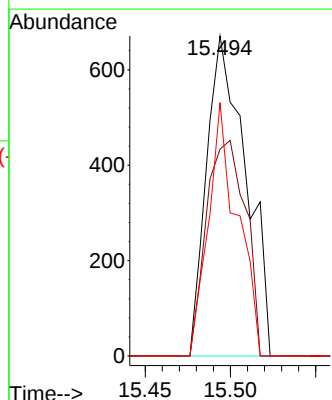
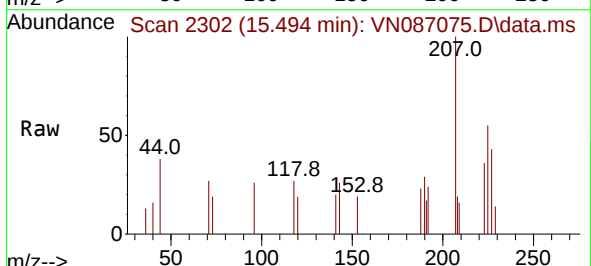
Tgt Ion:225 Resp: 1071

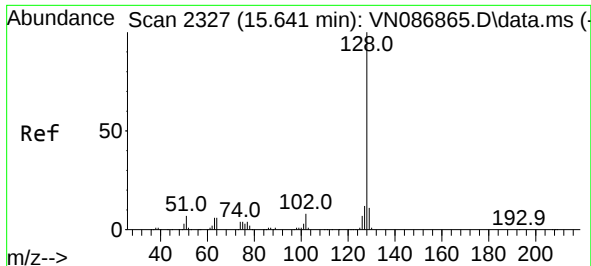
Ion Ratio Lower Upper

225 100

223 67.4 33.5 100.4

227 58.6 31.1 93.5

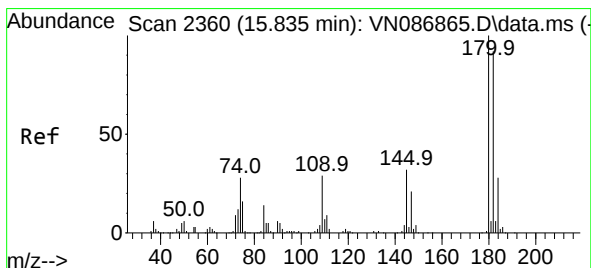
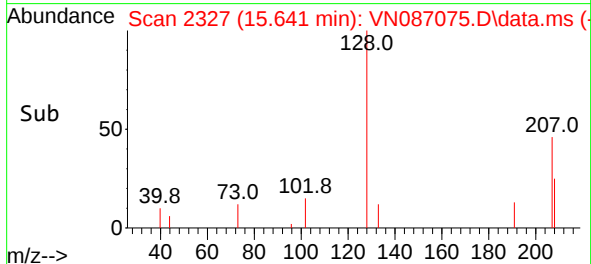
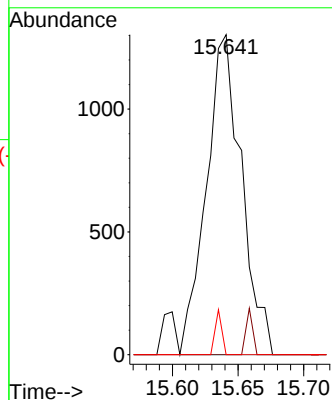
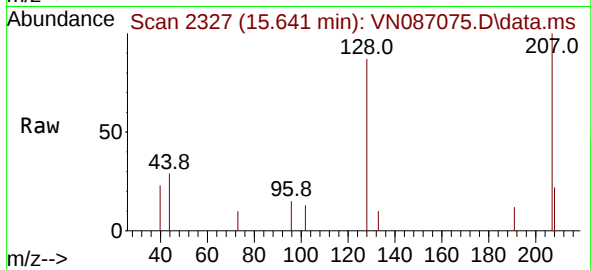




#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

Tgt Ion:128 Resp: 2433
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 2.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.312 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087075.D
Acq: 18 Jun 2025 11:01

Tgt Ion:180 Resp: 934
Ion Ratio Lower Upper
180 100
182 87.8 47.0 141.0
145 6.9 16.6 49.8#

