

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
 Data File : VN085956.D
 Acq On : 12 Mar 2025 13:29
 Operator : JC\MD
 Sample : VN0312WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBL01

Quant Time: Mar 13 01:33:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

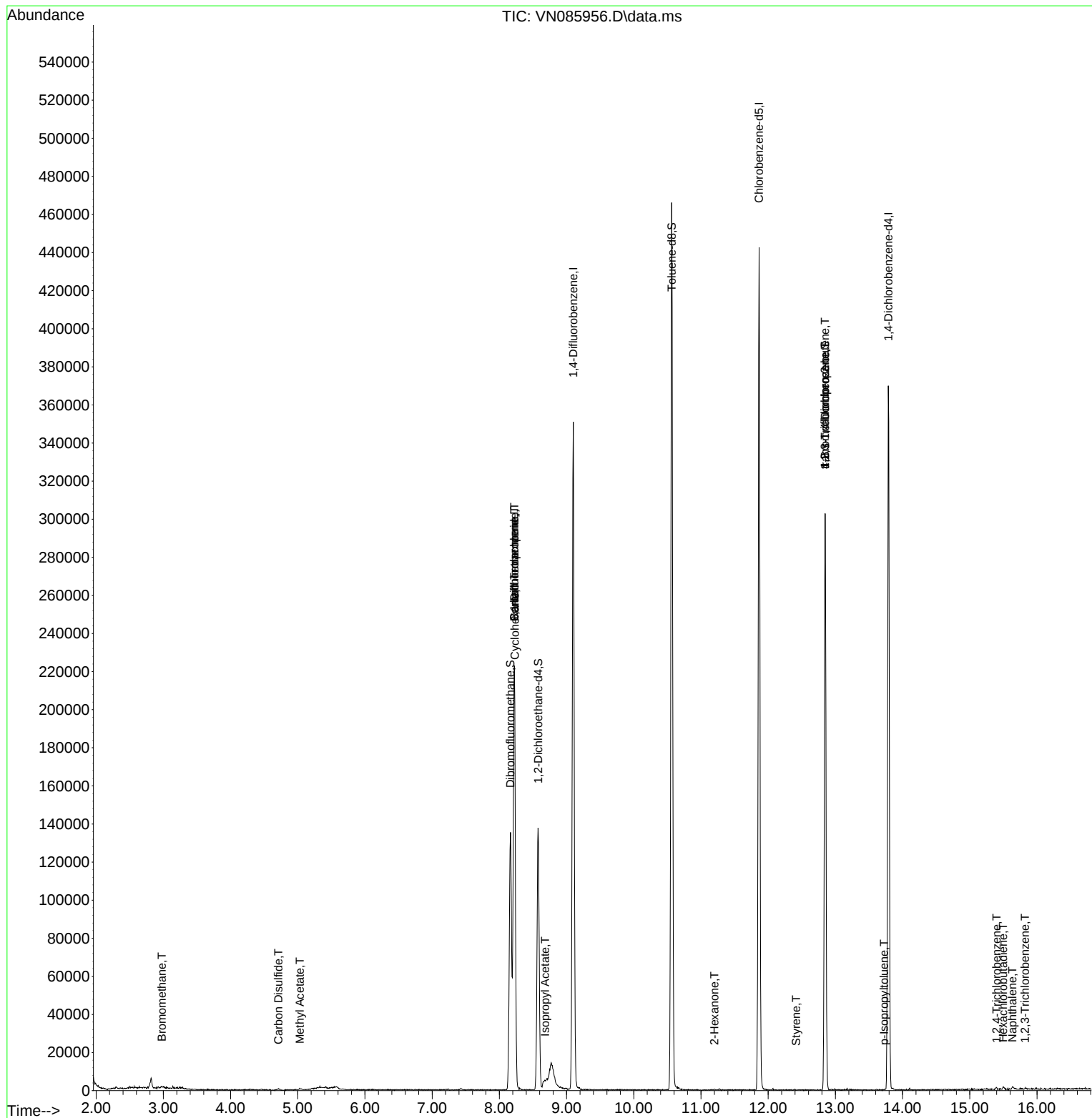
Internal Standards						
1) Pentafluorobenzene	8.224	168	158503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117648	57.251	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.500%		
35) Dibromofluoromethane	8.165	113	97268	50.622	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.240%		
50) Toluene-d8	10.565	98	326971	46.772	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.540%		
62) 4-Bromofluorobenzene	12.847	95	106107	46.067	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 92.140%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	464	0.317	ug/l	98
17) Carbon Disulfide	4.712	76	1295	0.251	ug/l #	75
18) Methyl Acetate	5.030	43	1089	0.487	ug/l #	47
31) Cyclohexane	8.230	56	3330	1.135	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13508	4.967	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17825	5.517	ug/l #	19
43) Isopropyl Acetate	8.682	43	5132	0.769	ug/l #	53
59) 2-Hexanone	11.200	43	378	0.255	ug/l #	21
70) Styrene	12.417	104	79	0.598	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	55099	23.900	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55099	69.734	ug/l #	13
86) p-Isopropyltoluene	13.723	119	64	0.636	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.400	180	360	0.218	ug/l #	73
94) Hexachlorobutadiene	15.494	225	548	0.547	ug/l	87
95) Naphthalene	15.635	128	2237	0.494	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.823	180	484	0.292	ug/l #	52

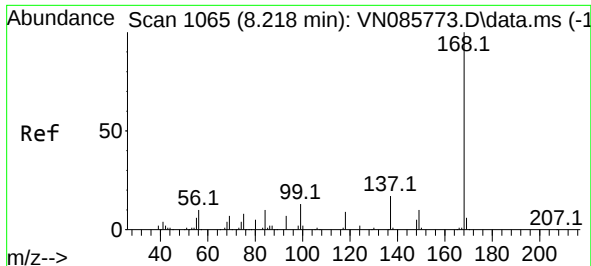
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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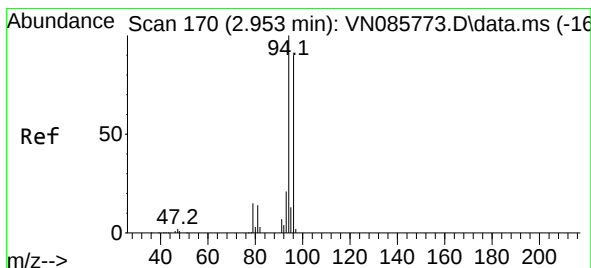
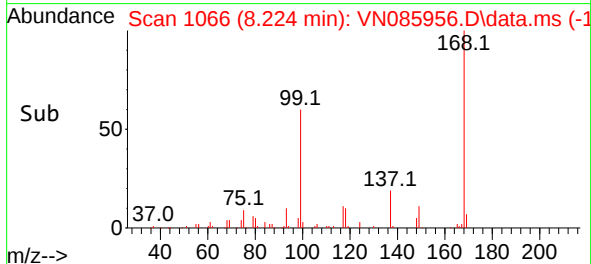
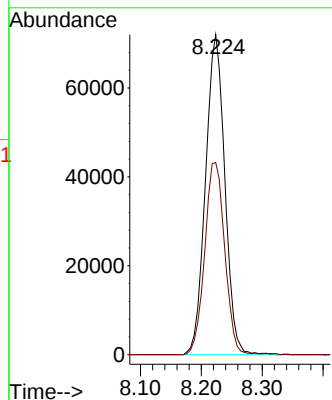
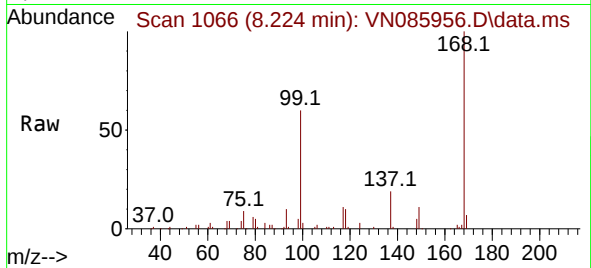




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

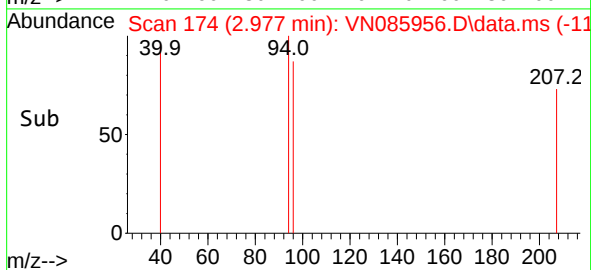
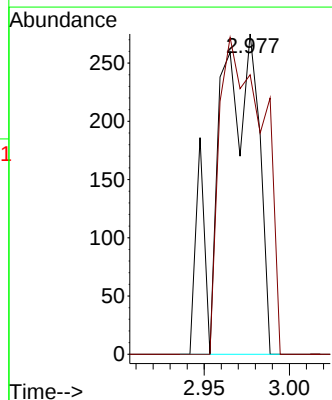
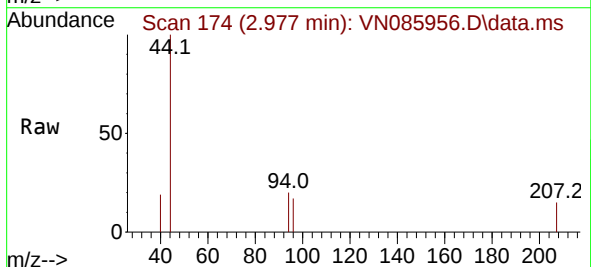
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

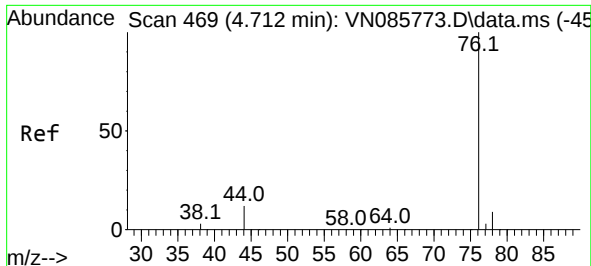
Tgt Ion:168 Resp: 158503
Ion Ratio Lower Upper
168 100
99 60.1 47.9 71.9



#5
Bromomethane
Concen: 0.317 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 94 Resp: 464
Ion Ratio Lower Upper
94 100
96 87.3 71.7 107.5

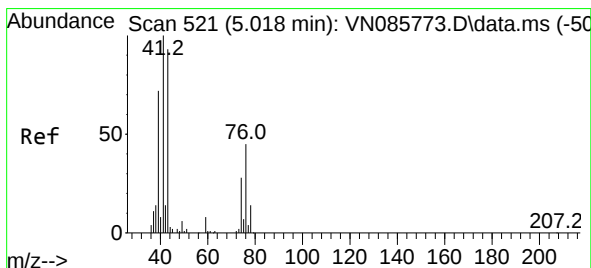
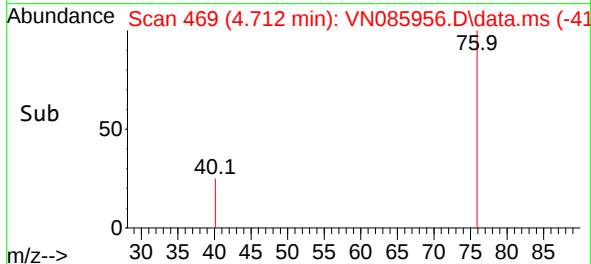
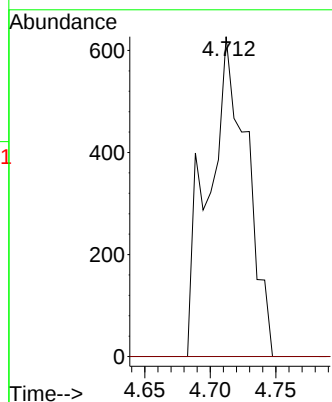
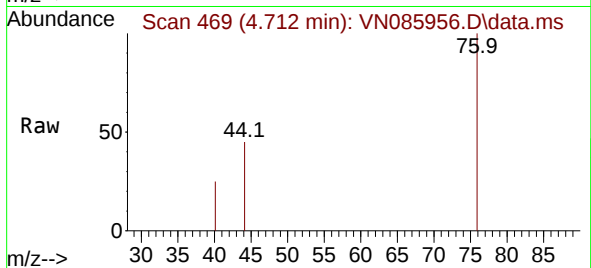




#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

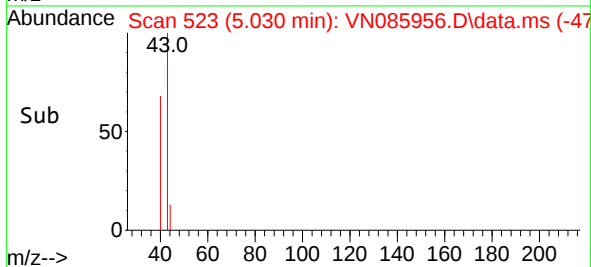
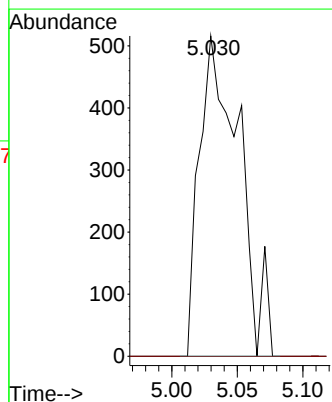
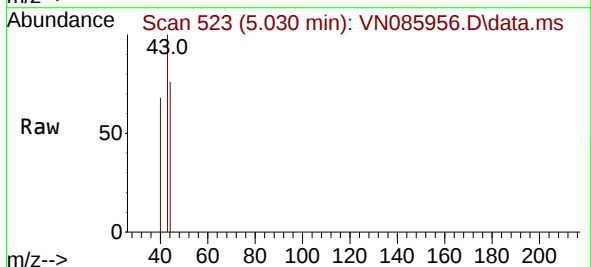
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

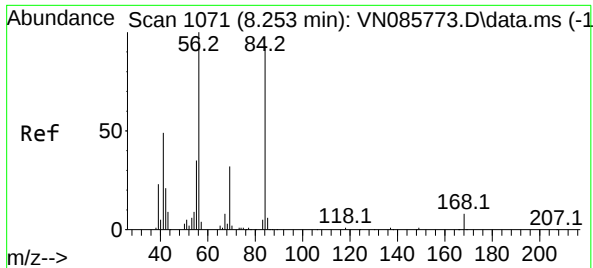
Tgt Ion: 76 Resp: 1295
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.487 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

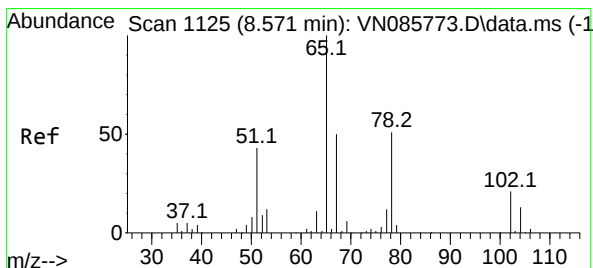
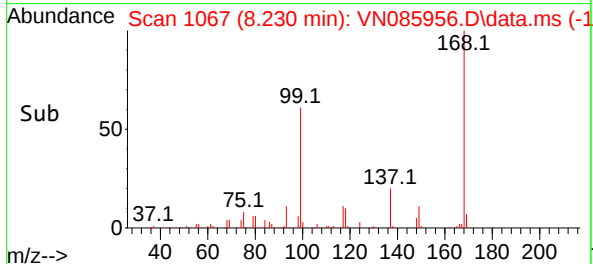
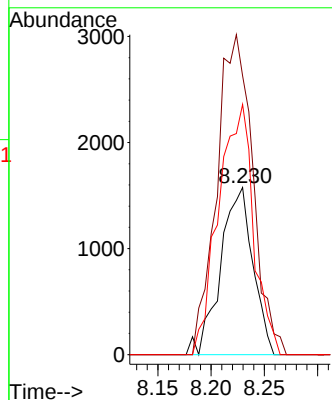
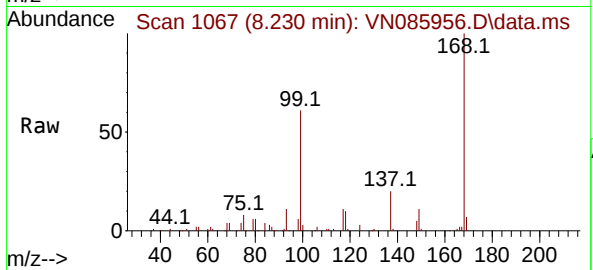




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

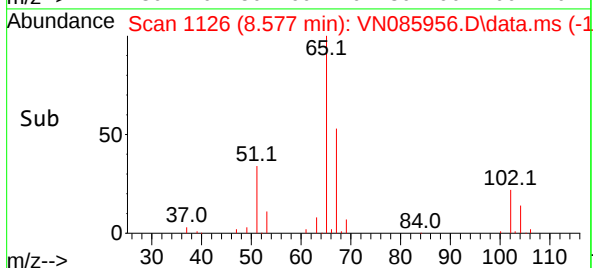
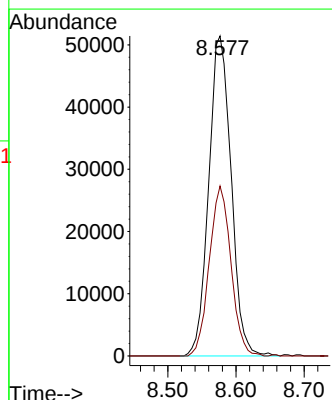
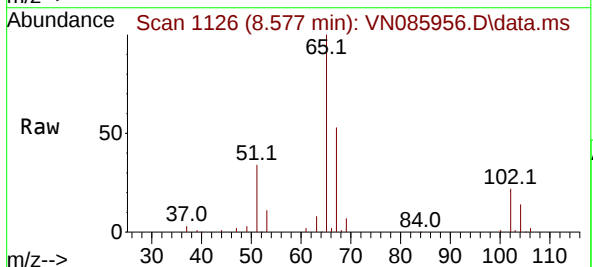
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

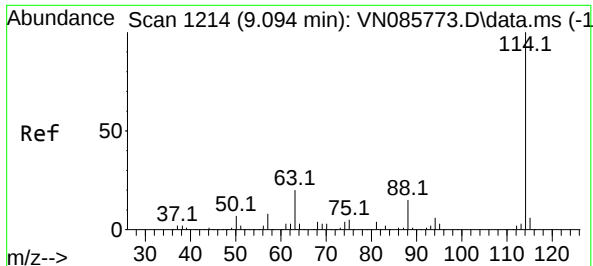
Tgt Ion: 56 Resp: 3330
Ion Ratio Lower Upper
56 100
69 166.8 25.8 38.6#
84 149.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 57.251 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 65 Resp: 117648
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBL01

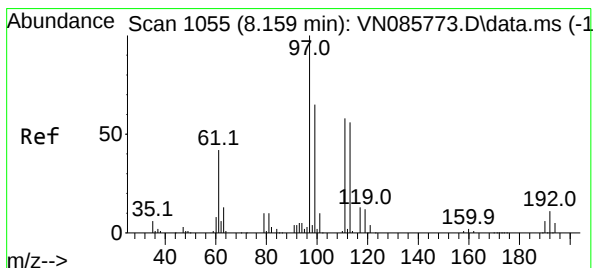
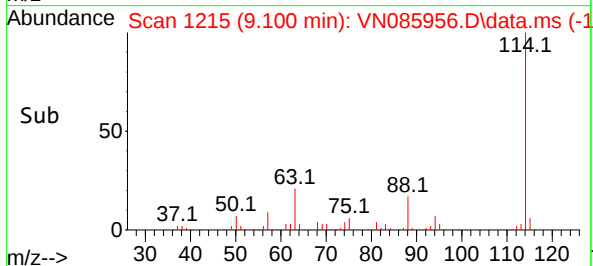
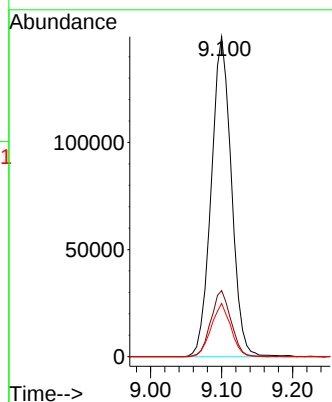
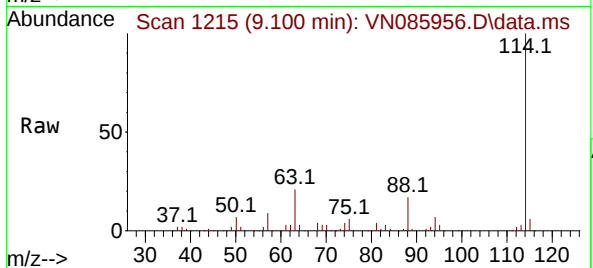
Tgt Ion:114 Resp: 293640

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 16.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.622 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

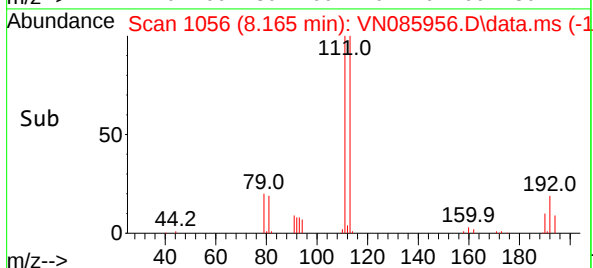
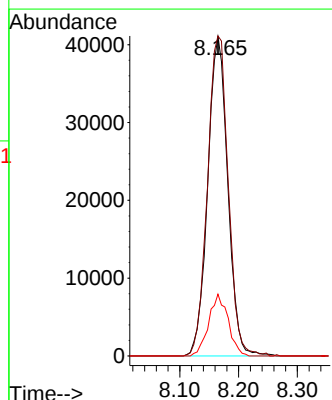
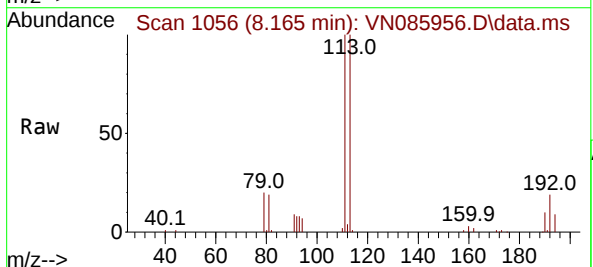
Tgt Ion:113 Resp: 97268

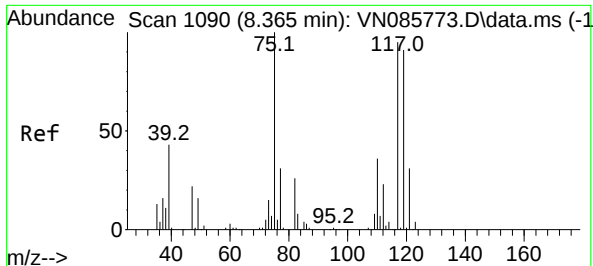
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 18.8 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.967 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBL01

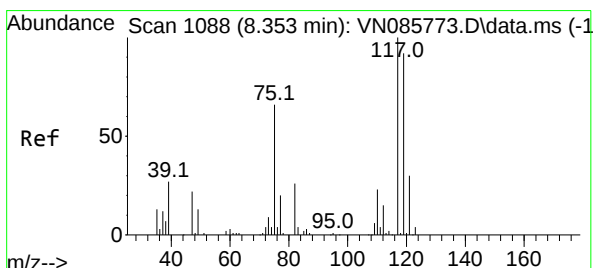
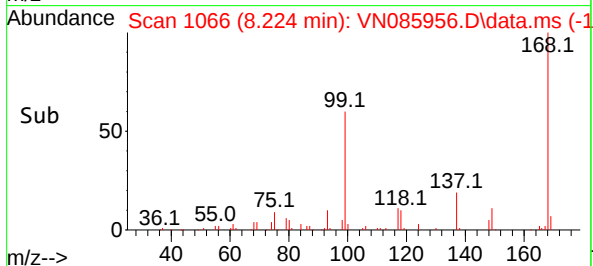
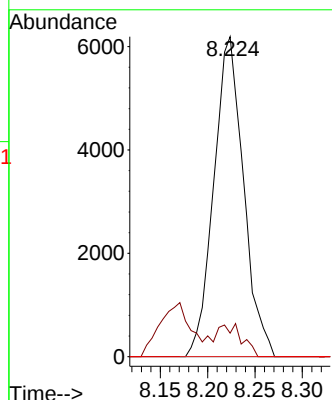
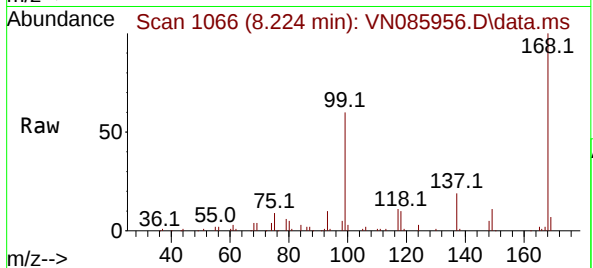
Tgt Ion: 75 Resp: 13508

Ion Ratio Lower Upper

75 100

110 8.0 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.517 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

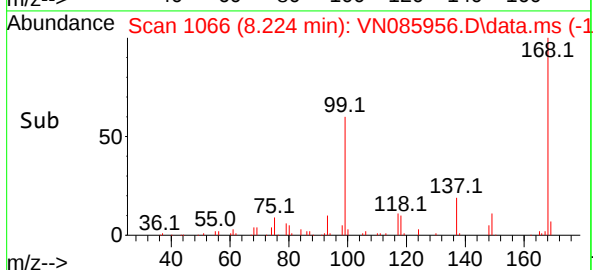
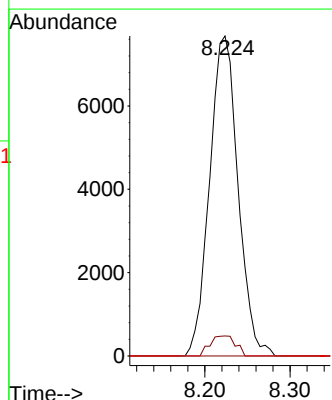
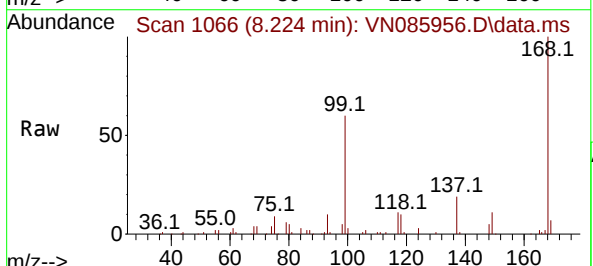
Tgt Ion: 117 Resp: 17825

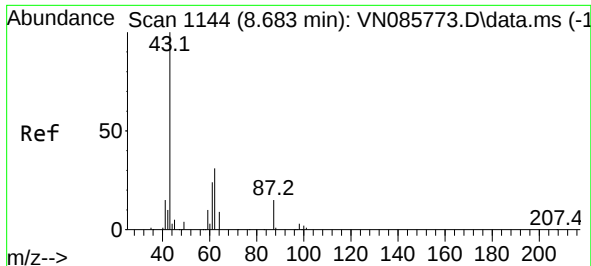
Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.6#

121 0.0 24.3 36.5#

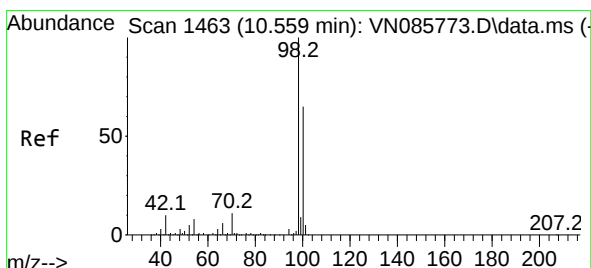
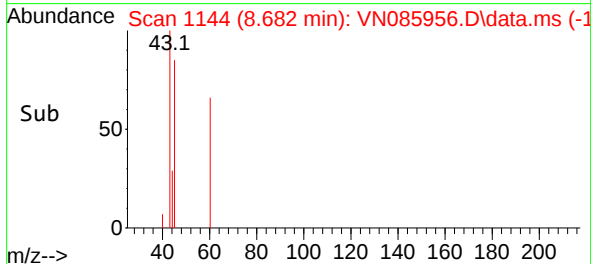
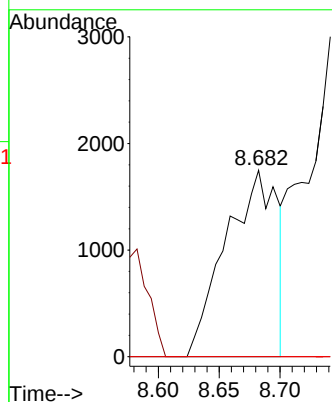
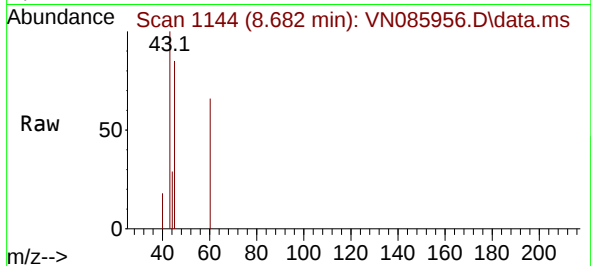




#43
Isopropyl Acetate
Concen: 0.769 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

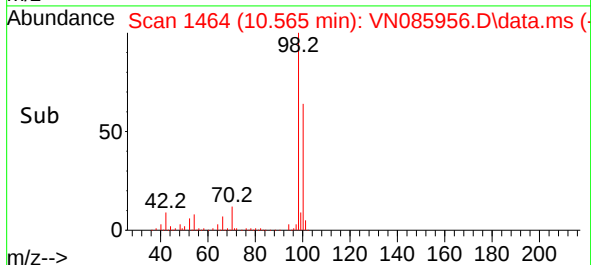
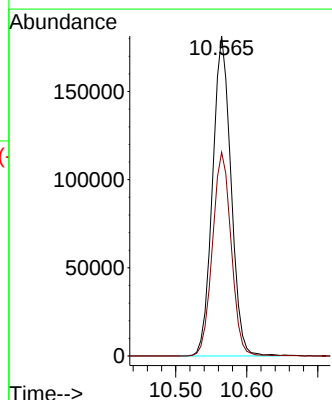
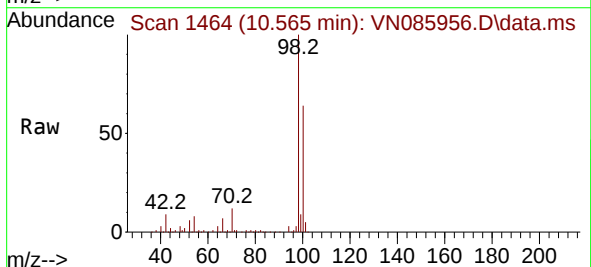
Instrument :
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VN0312WBL01

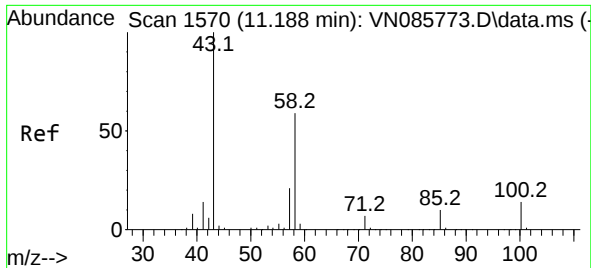
Tgt Ion: 43 Resp: 5132
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 46.772 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 98 Resp: 326971
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

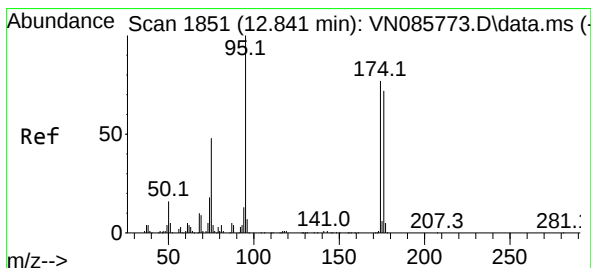
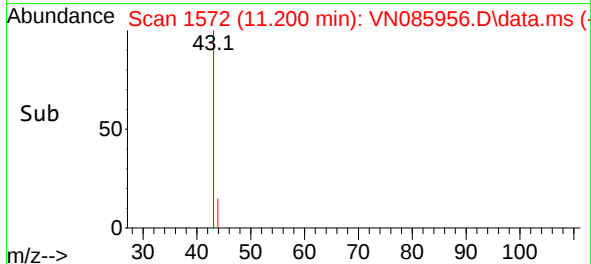
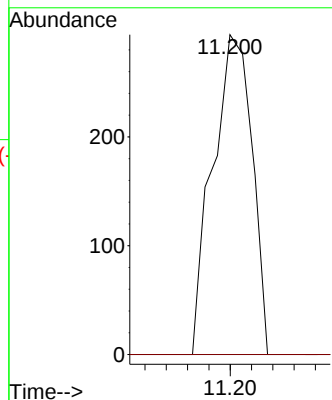
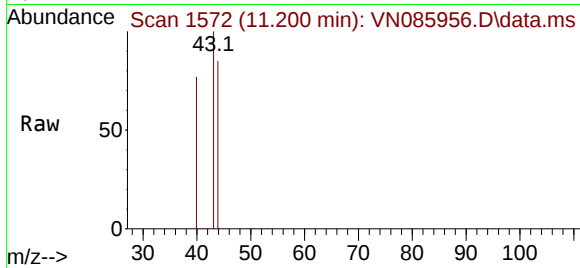




#59
2-Hexanone
Concen: 0.255 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

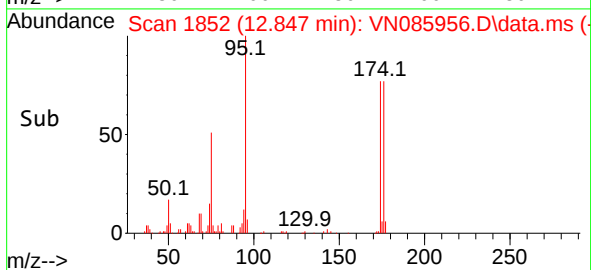
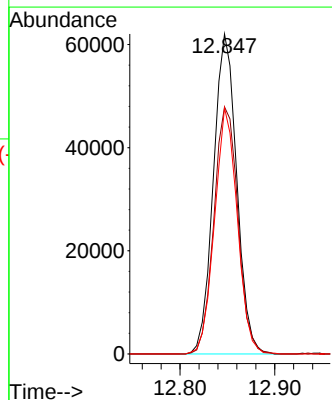
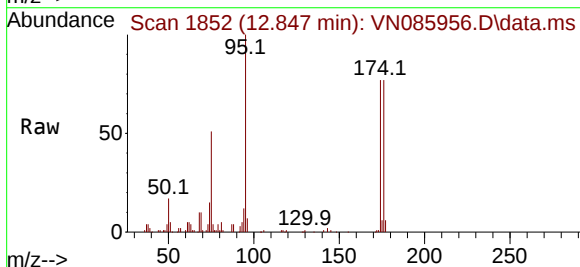
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ClientSampleId :
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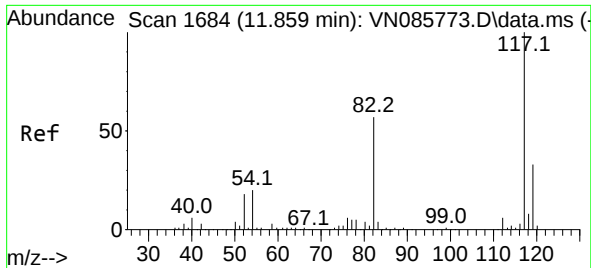
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 46.067 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 95 Resp: 106107
Ion Ratio Lower Upper
95 100
174 79.7 0.0 152.4
176 75.1 0.0 146.6

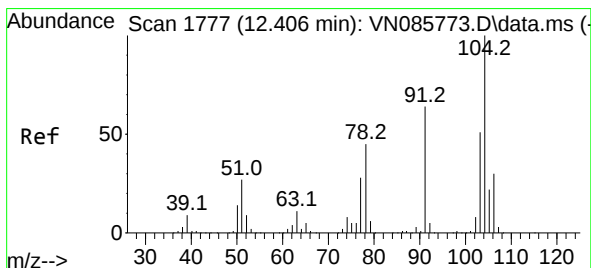
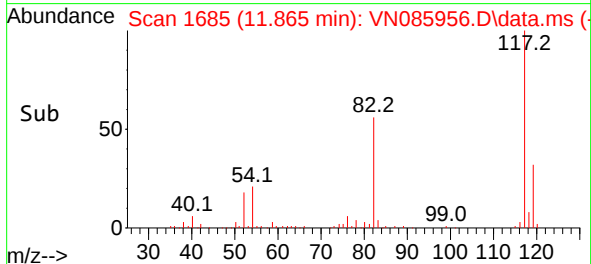
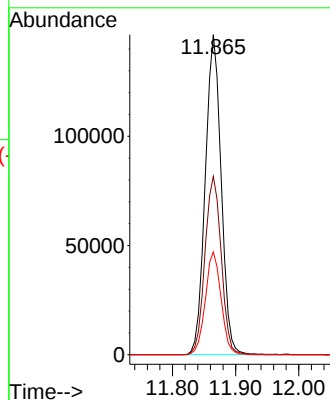
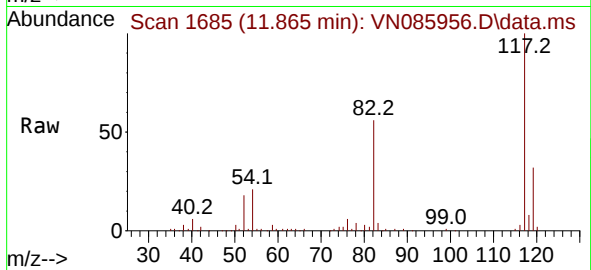




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

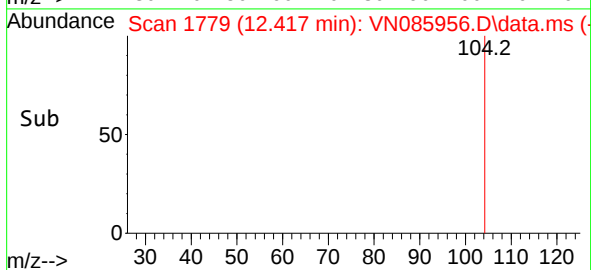
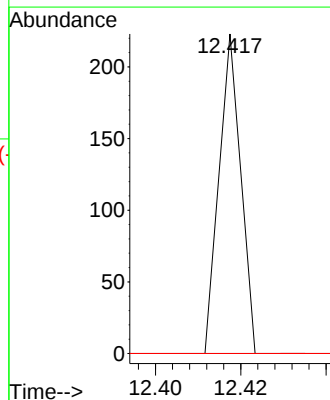
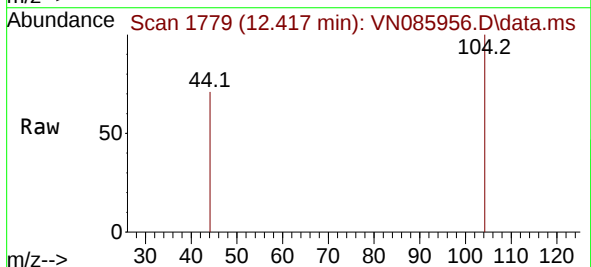
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

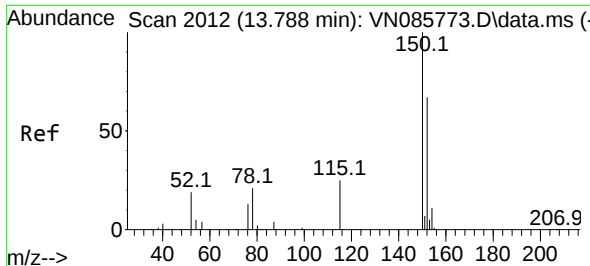
Tgt Ion:117 Resp: 255835
Ion Ratio Lower Upper
117 100
82 55.7 45.7 68.5
119 32.1 26.2 39.2



#70
Styrene
Concen: 0.598 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.011 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion:104 Resp: 79
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

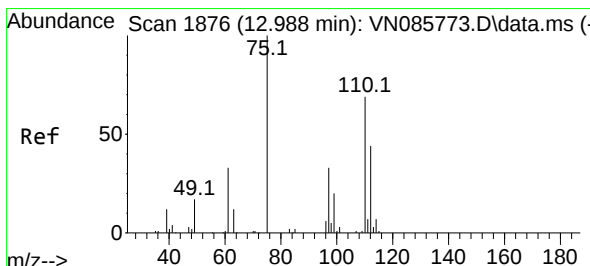
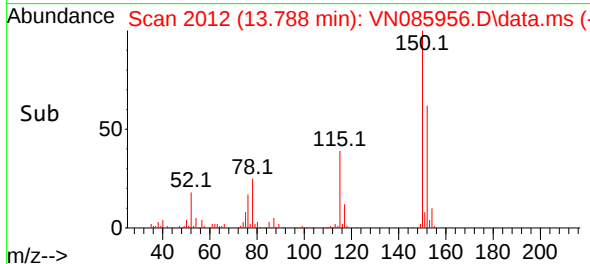
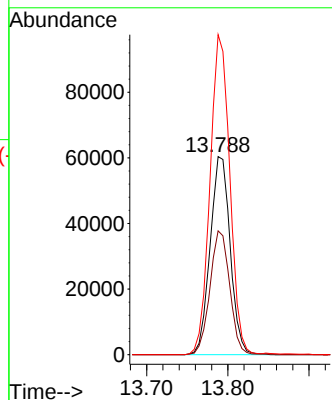
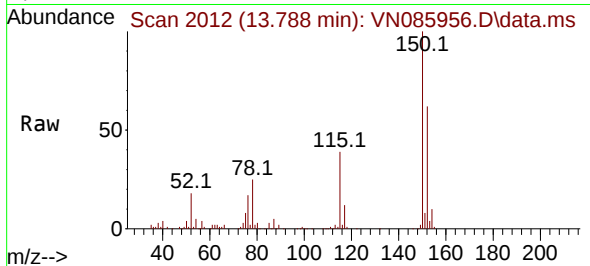




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

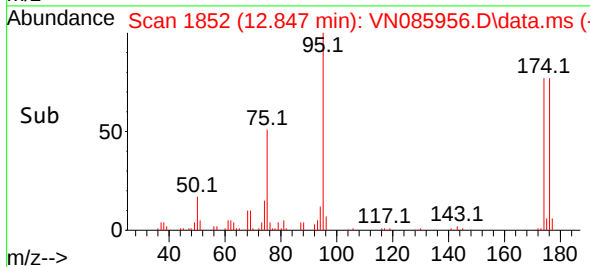
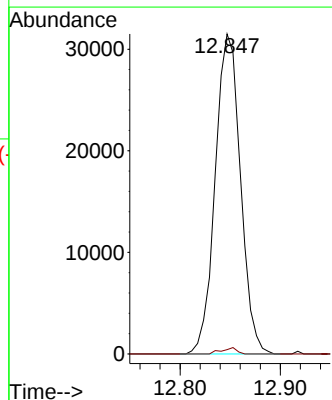
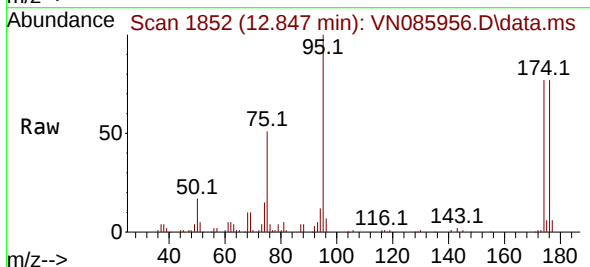
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

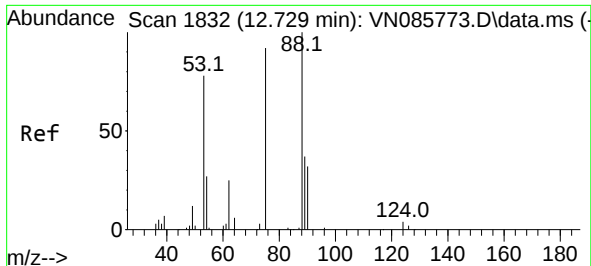
Tgt Ion:152 Resp: 103785
Ion Ratio Lower Upper
152 100
115 61.5 30.4 91.3
150 158.9 0.0 345.4



#76
1,2,3-Trichloropropane
Concen: 23.900 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 75 Resp: 55099
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#

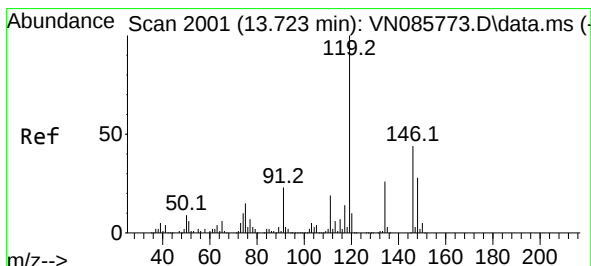
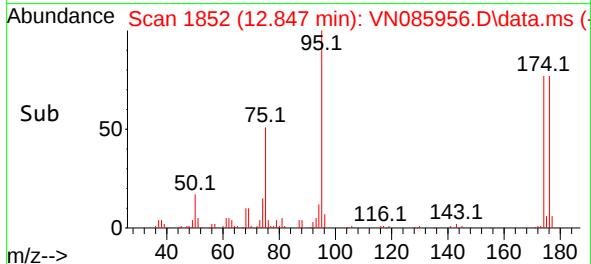
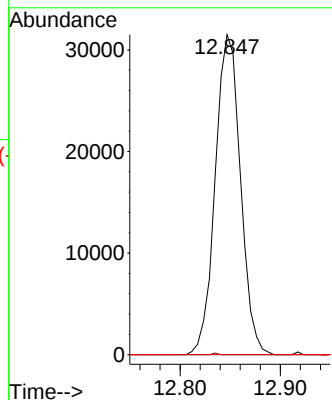
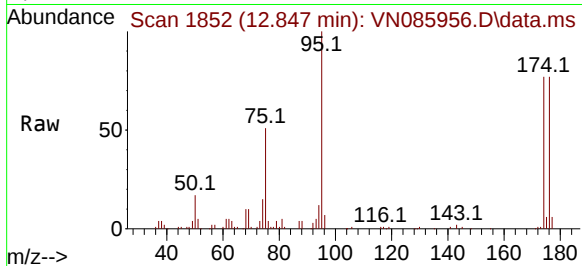




#81
trans-1,4-Dichloro-2-butene
Concen: 69.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

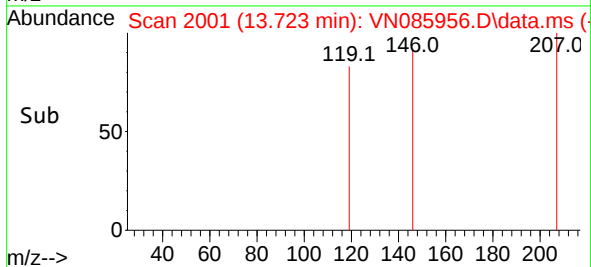
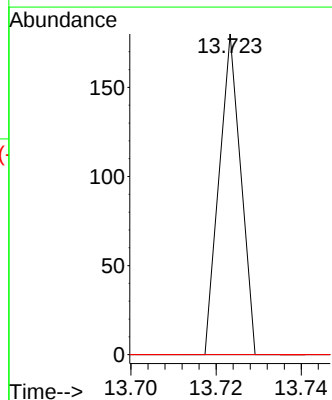
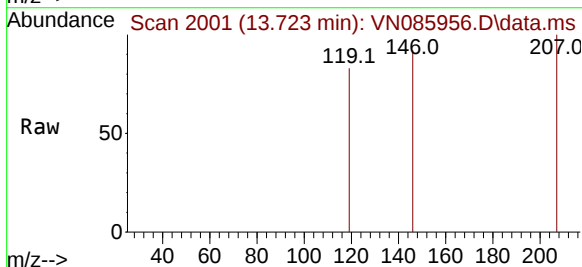
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBL01

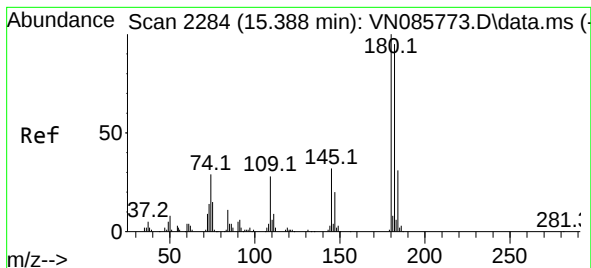
Tgt Ion: 75 Resp: 55099
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.636 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085956.D
Acq: 12 Mar 2025 13:29

Tgt Ion: 119 Resp: 64
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBL01

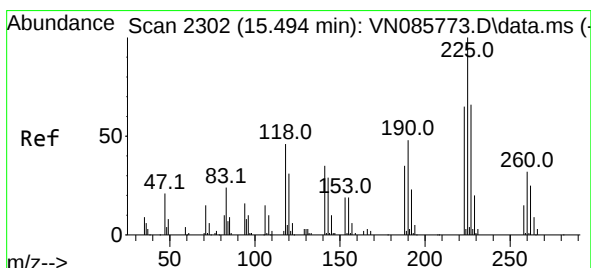
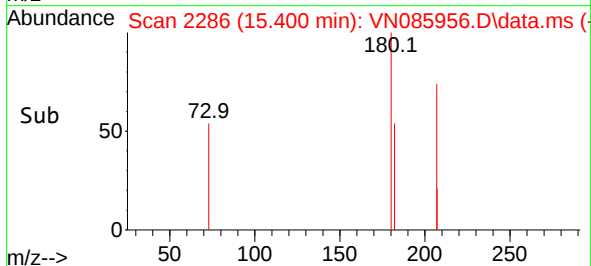
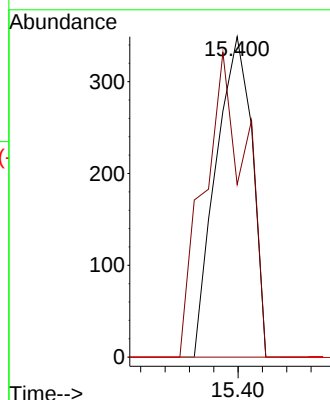
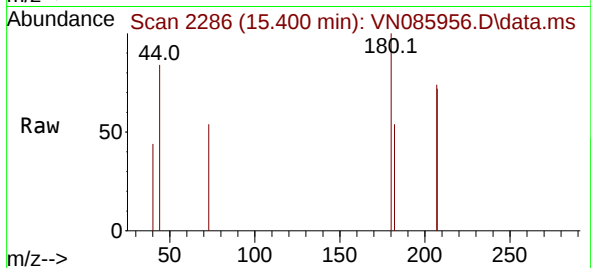
Tgt Ion:180 Resp: 360

Ion Ratio Lower Upper

180 100

182 111.1 47.3 141.9

145 0.0 16.2 48.5#



#94

Hexachlorobutadiene

Concen: 0.547 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.000 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

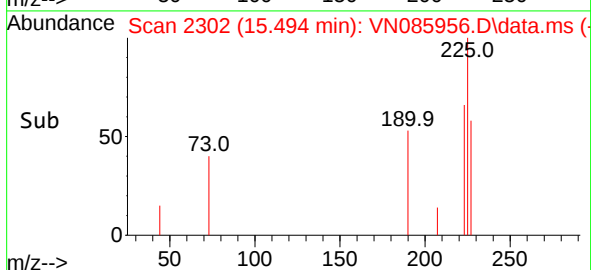
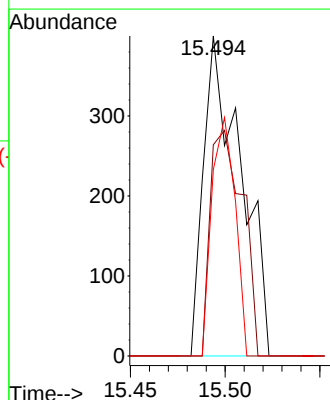
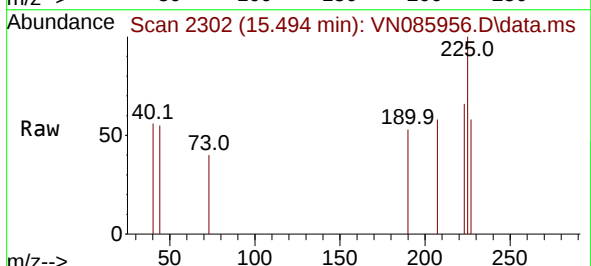
Tgt Ion:225 Resp: 548

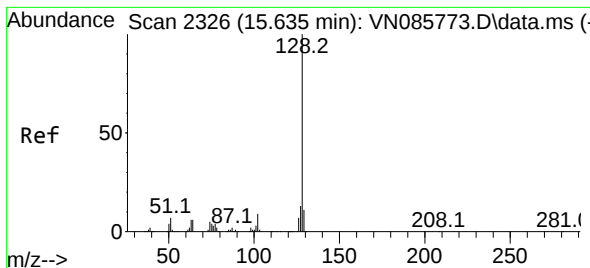
Ion Ratio Lower Upper

225 100

223 61.1 31.9 95.5

227 46.5 32.2 96.6





#95

Naphthalene

Concen: 0.494 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBL01

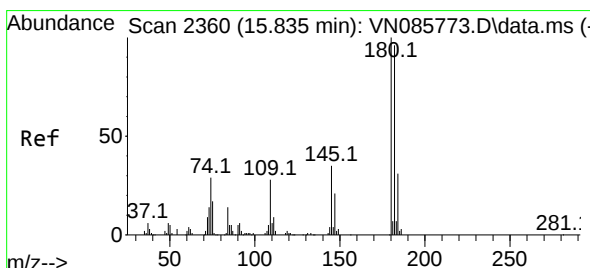
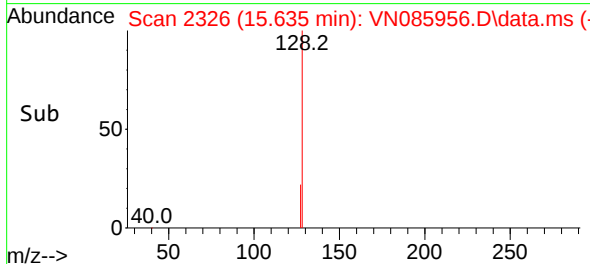
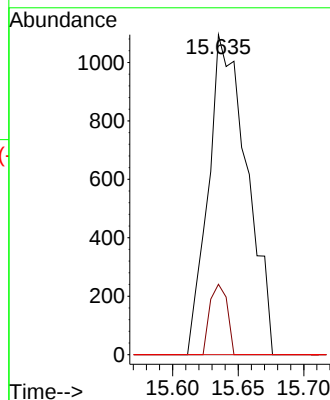
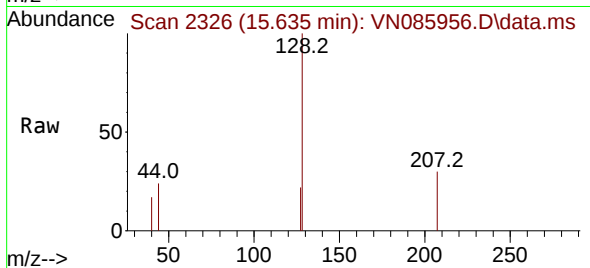
Tgt Ion:128 Resp: 2237

Ion Ratio Lower Upper

128 100

127 9.9 10.2 15.2#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.292 ug/l

RT: 15.823 min Scan# 2358

Delta R.T. -0.012 min

Lab File: VN085956.D

Acq: 12 Mar 2025 13:29

Tgt Ion:180 Resp: 484

Ion Ratio Lower Upper

180 100

182 51.7 47.3 141.8

145 0.0 16.9 50.6#

