

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085872.D
 Acq On : 26 Feb 2025 15:33
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 26 23:03:58 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)

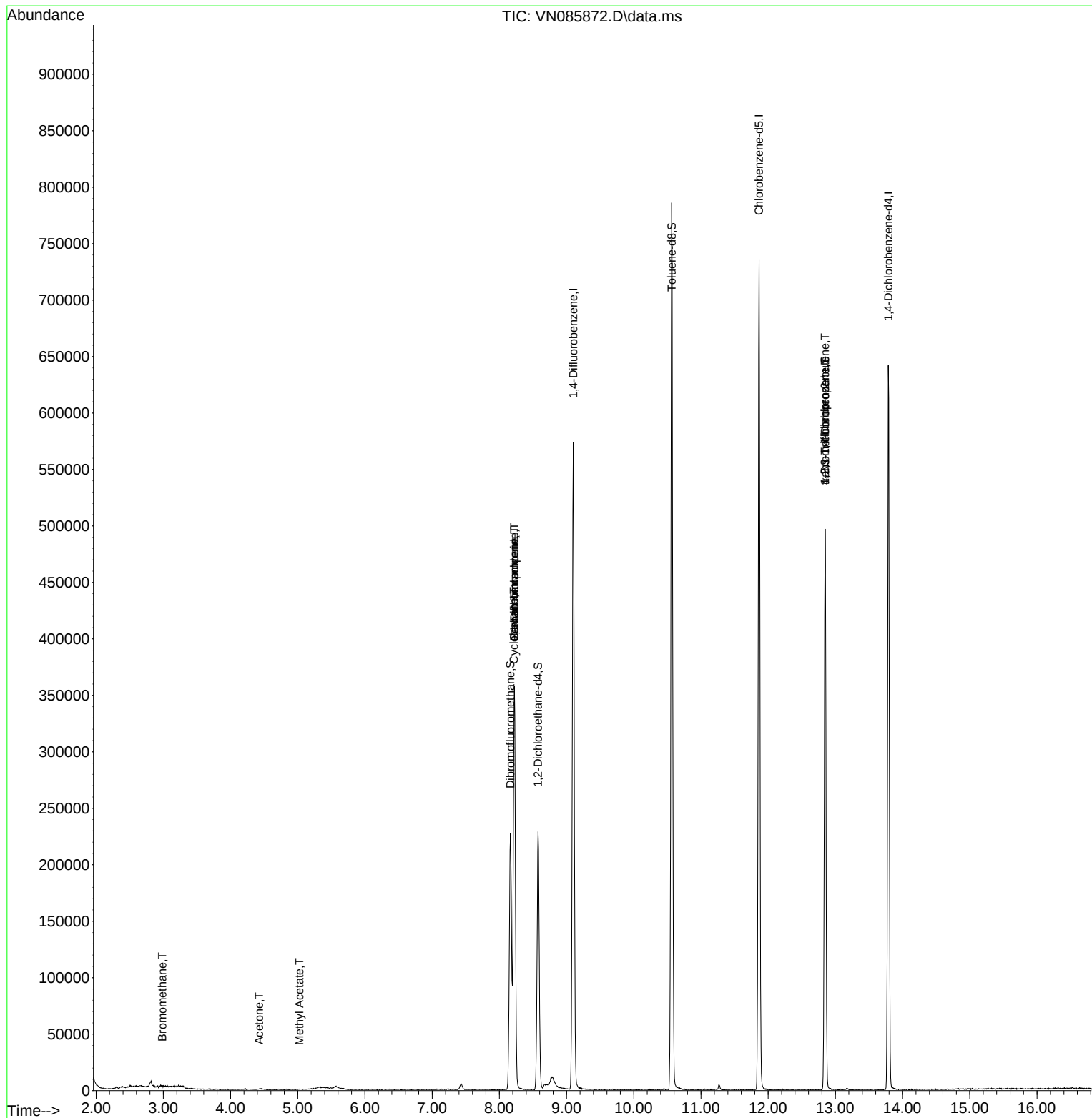
Internal Standards						
1) Pentafluorobenzene	8.224	168	262618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	495714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	442360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184302	54.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.260%			
35) Dibromofluoromethane	8.165	113	164009	50.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.120%			
50) Toluene-d8	10.565	98	558976	47.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.720%			
62) 4-Bromofluorobenzene	12.847	95	181903	46.781	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.560%			
Target Compounds						Qvalue
5) Bromomethane	2.983	94	655	0.270	ug/l #	28
16) Acetone	4.424	43	353	0.328	ug/l #	40
18) Methyl Acetate	5.024	43	768	0.207	ug/l #	47
31) Cyclohexane	8.218	56	5256	1.081	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	19658	4.282	ug/l #	50
38) Carbon Tetrachloride	8.224	117	28334	5.194	ug/l #	17
76) 1,2,3-Trichloropropane	12.847	75	87404	21.900	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87404	63.899	ug/l #	13

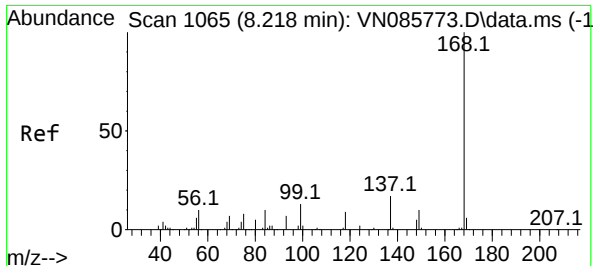
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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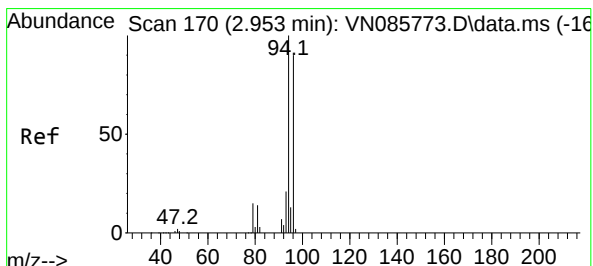
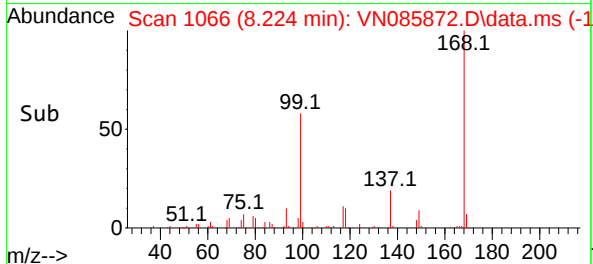
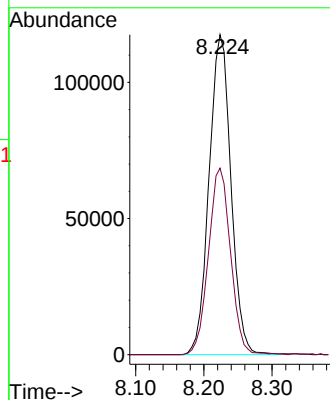
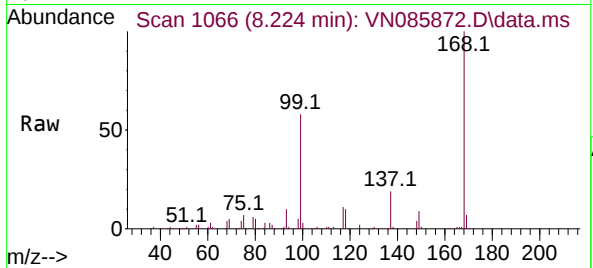




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

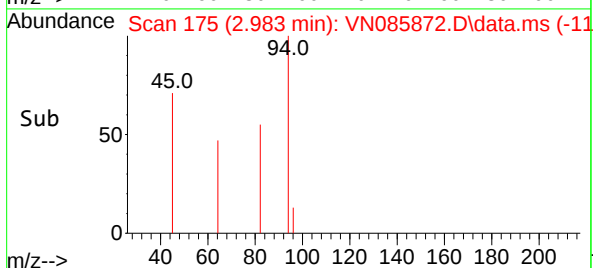
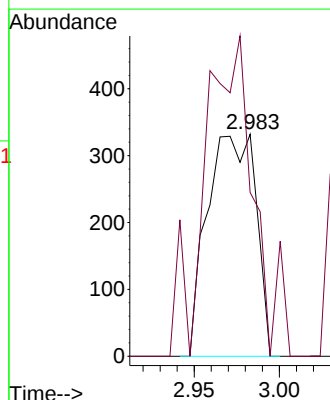
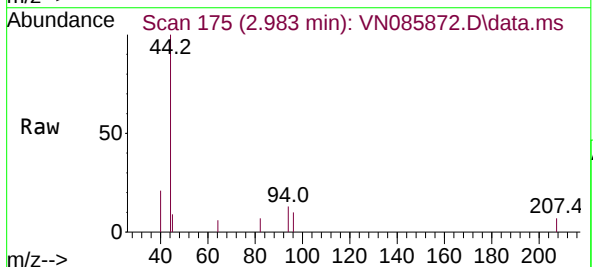
Instrument :
MSVOA_N
ClientSampleId :
IBLK

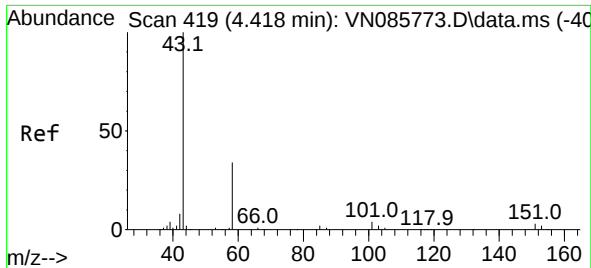
Tgt Ion:168 Resp: 262618
Ion Ratio Lower Upper
168 100
99 58.3 47.9 71.9



#5
Bromomethane
Concen: 0.270 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.029 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

Tgt Ion: 94 Resp: 655
Ion Ratio Lower Upper
94 100
96 22.0 71.7 107.5#

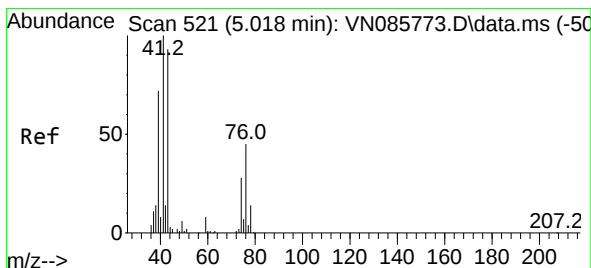
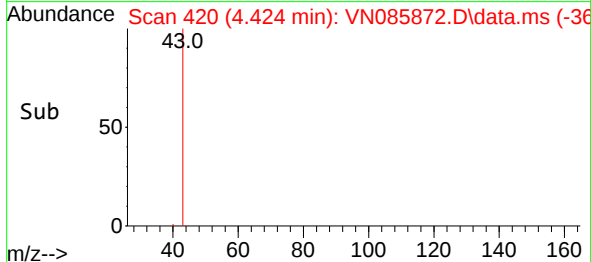
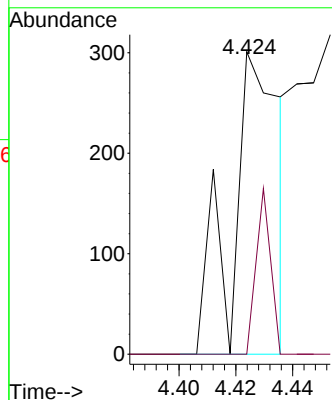
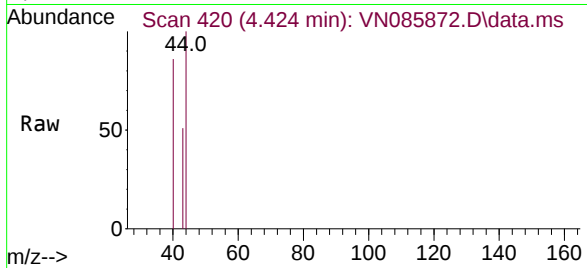




#16
Acetone
Concen: 0.328 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

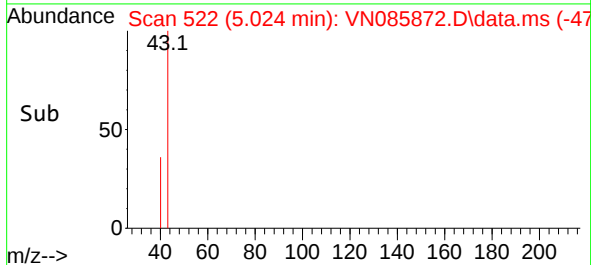
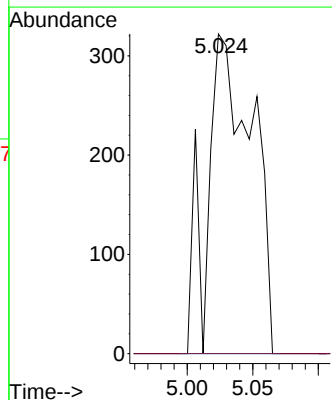
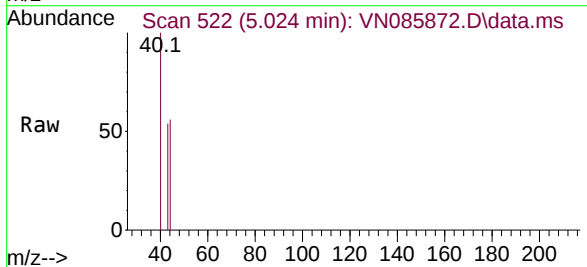
Instrument :
MSVOA_N
ClientSampleId :
IBLK

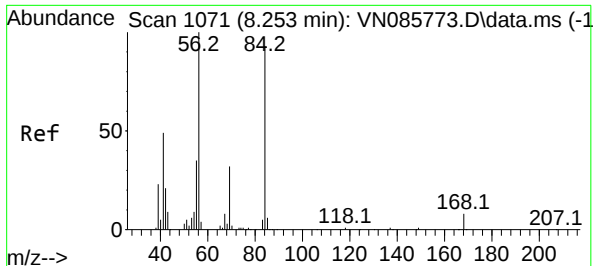
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

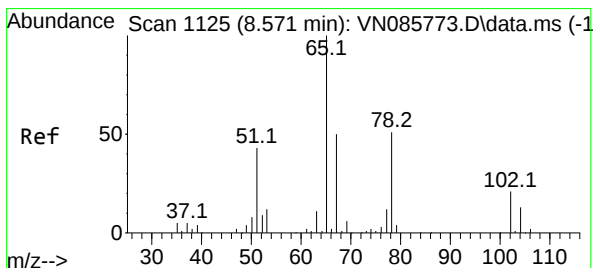
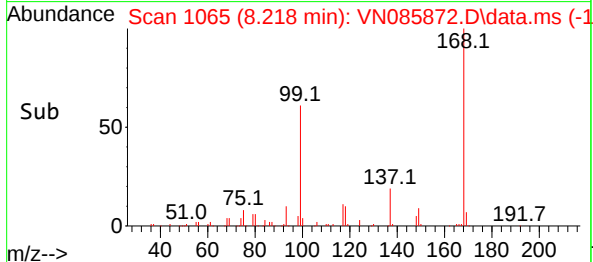
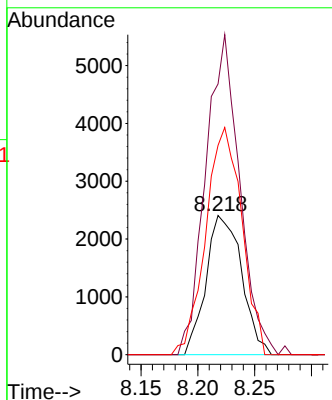
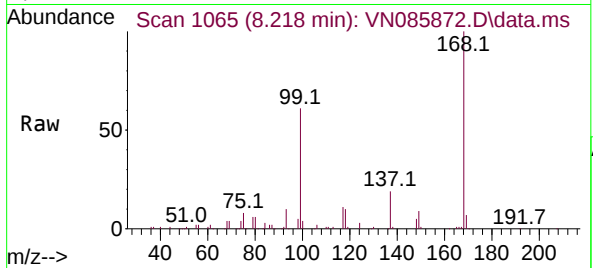




#31
Cyclohexane
Concen: 1.081 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

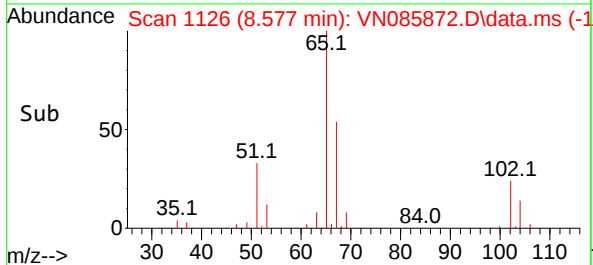
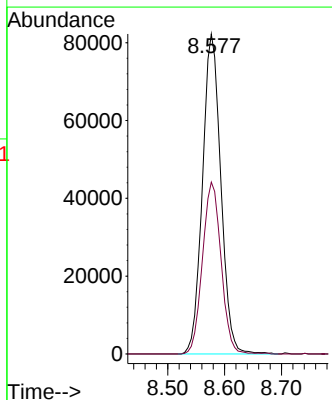
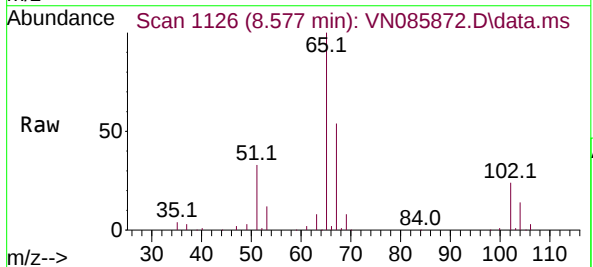
Instrument :
MSVOA_N
ClientSampleId :
IBLK

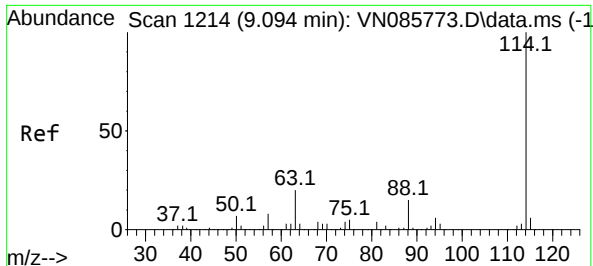
Tgt Ion: 56 Resp: 5256
Ion Ratio Lower Upper
56 100
69 194.4 25.8 38.6#
84 150.4 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 54.131 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

Tgt Ion: 65 Resp: 184302
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085872.D

Acq: 26 Feb 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

IBLK

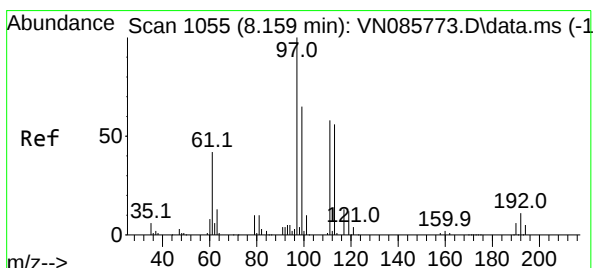
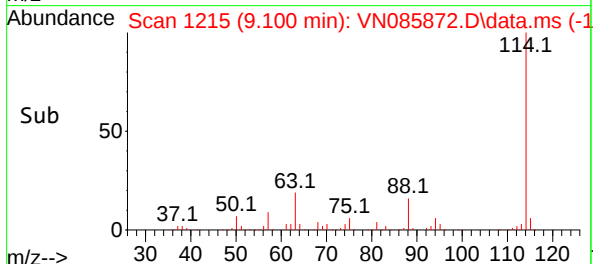
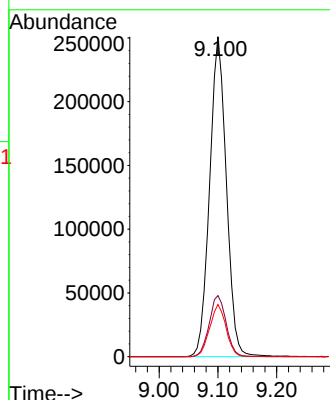
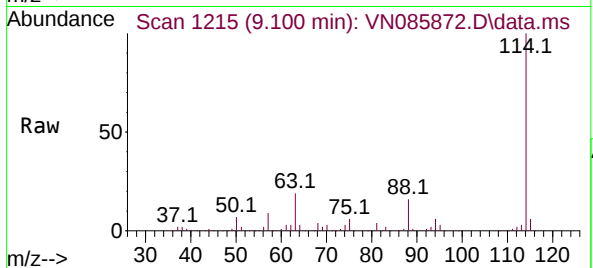
Tgt Ion:114 Resp: 495714

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

88 16.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.562 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085872.D

Acq: 26 Feb 2025 15:33

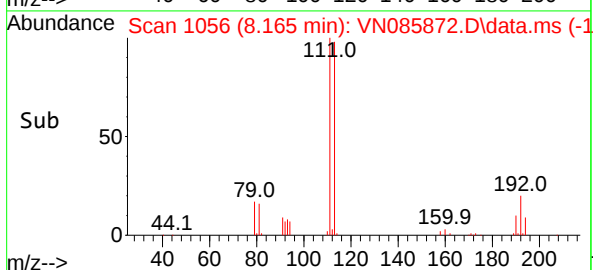
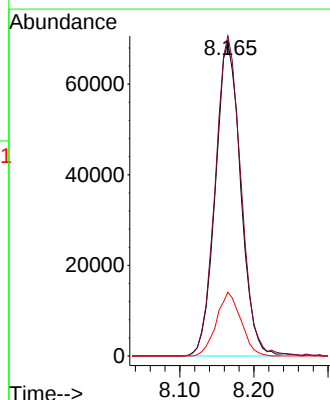
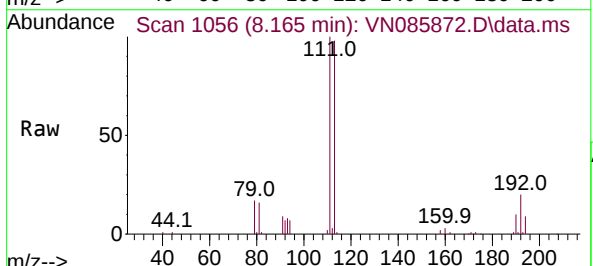
Tgt Ion:113 Resp: 164009

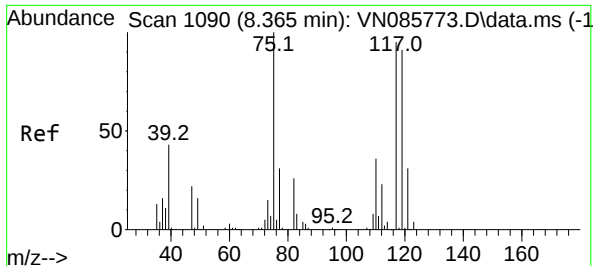
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 19.7 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085872.D

Acq: 26 Feb 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

IBLK

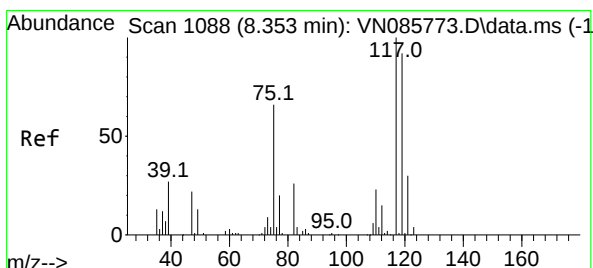
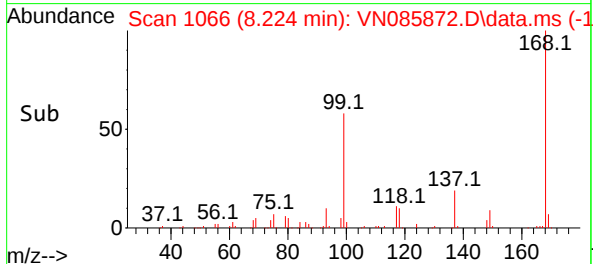
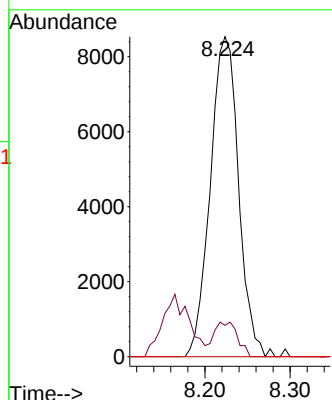
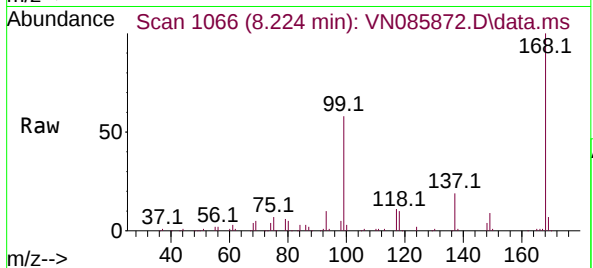
Tgt Ion: 75 Resp: 19658

Ion Ratio Lower Upper

75 100

110 9.1 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.194 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085872.D

Acq: 26 Feb 2025 15:33

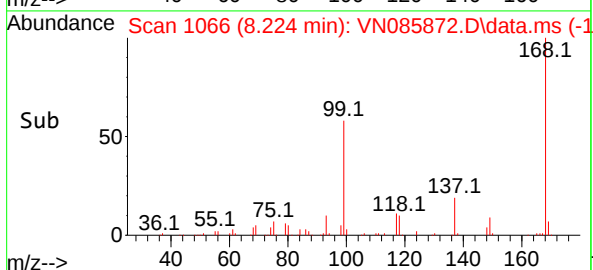
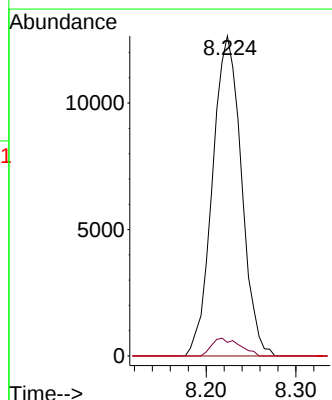
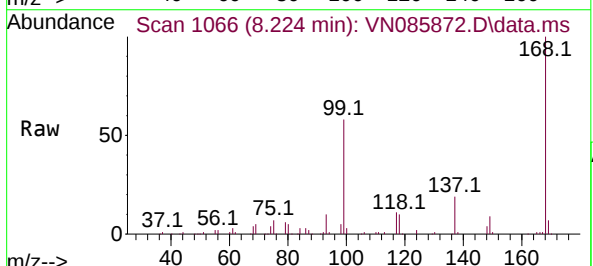
Tgt Ion: 117 Resp: 28334

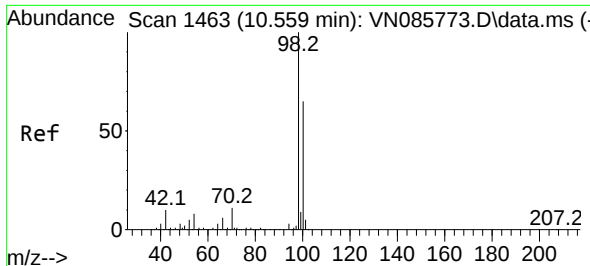
Ion Ratio Lower Upper

117 100

119 4.3 73.8 110.6#

121 0.0 24.3 36.5#

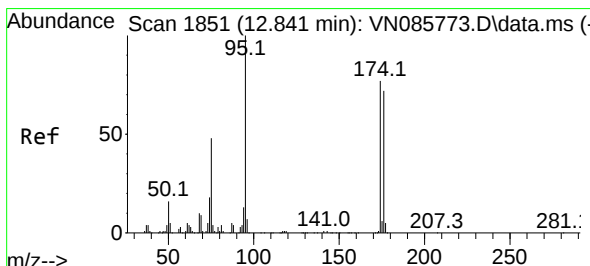
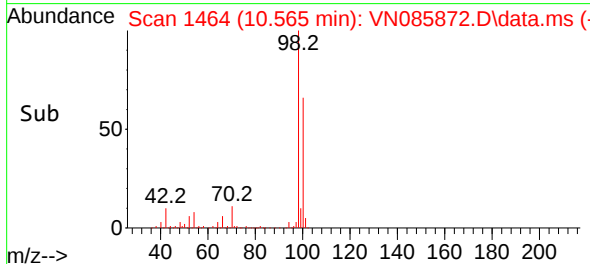
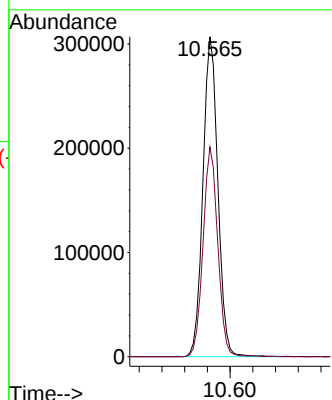
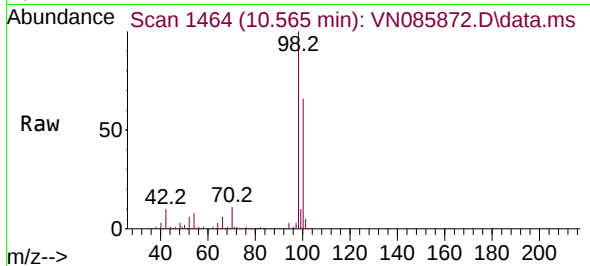




#50
Toluene-d8
Concen: 47.364 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

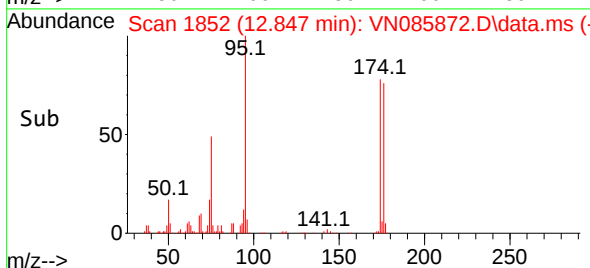
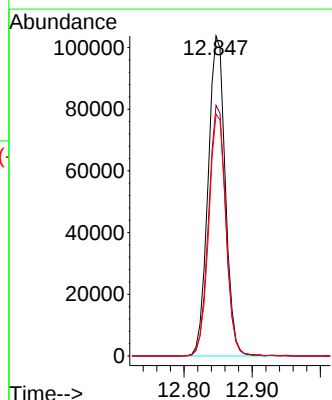
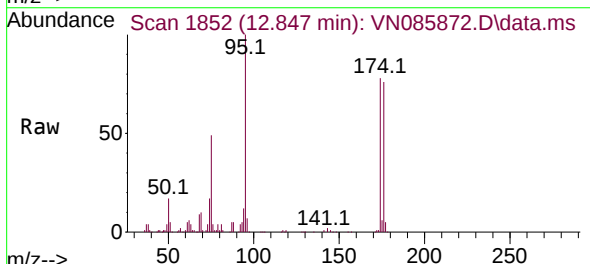
Instrument :
MSVOA_N
ClientSampleId :
IBLK

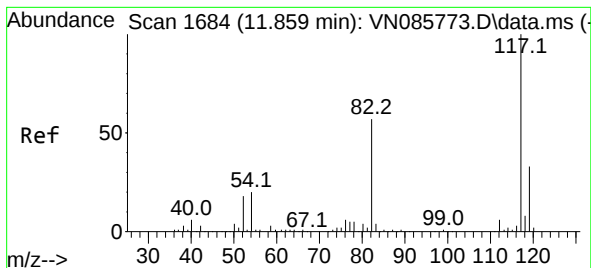
Tgt Ion: 98 Resp: 558976
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.781 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

Tgt Ion: 95 Resp: 181903
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.4
176 75.5 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085872.D

Acq: 26 Feb 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

IBLK

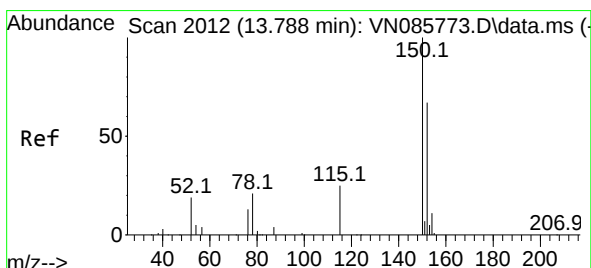
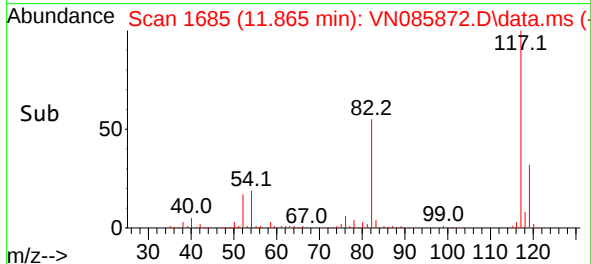
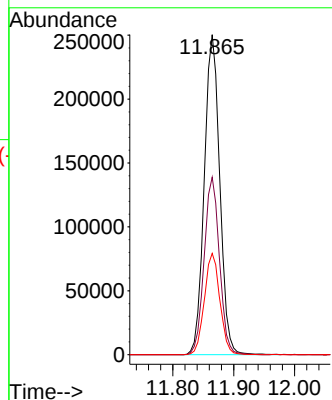
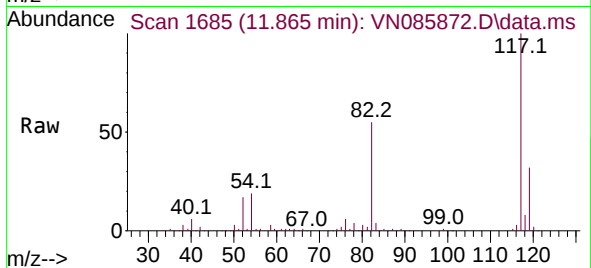
Tgt Ion:117 Resp: 442360

Ion Ratio Lower Upper

117 100

82 55.4 45.7 68.5

119 31.7 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085872.D

Acq: 26 Feb 2025 15:33

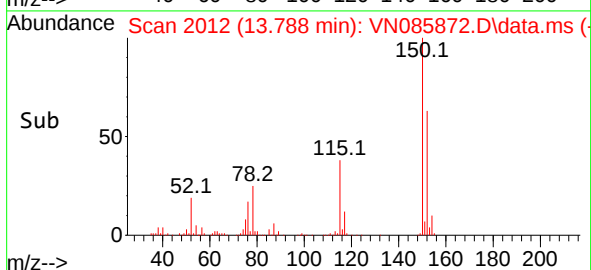
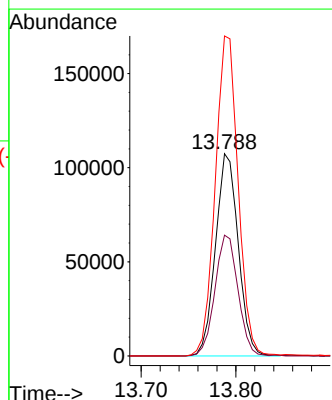
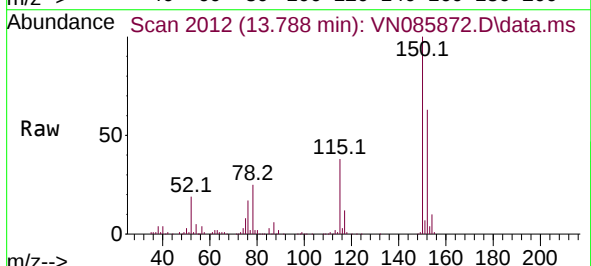
Tgt Ion:152 Resp: 179668

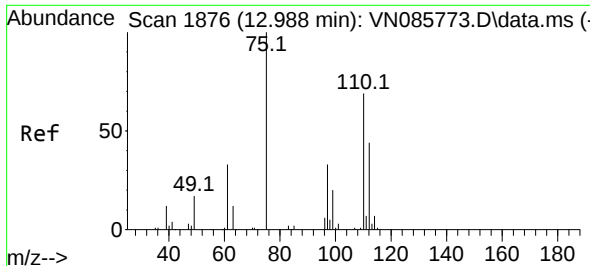
Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.3

150 159.7 0.0 345.4

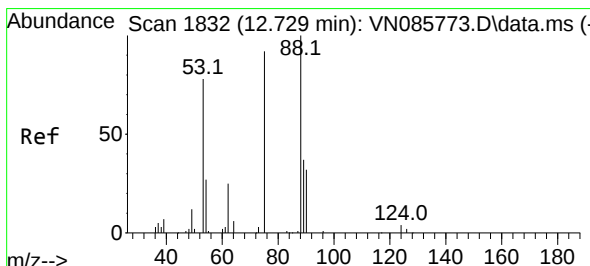
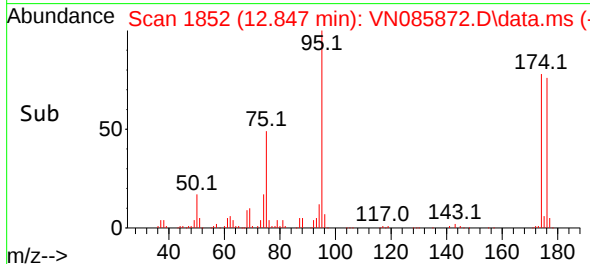
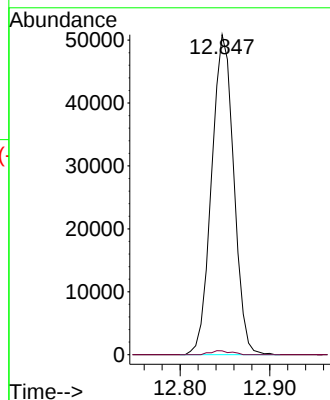
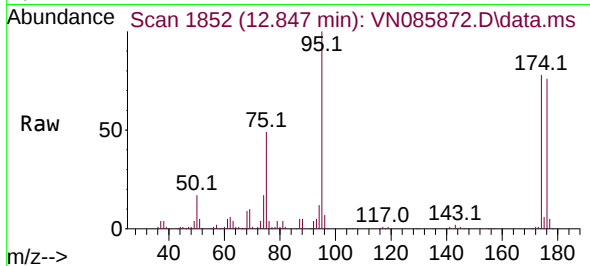




#76
1,2,3-Trichloropropane
Concen: 21.900 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 87404
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.899 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085872.D
Acq: 26 Feb 2025 15:33

Tgt Ion: 75 Resp: 87404
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

