

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
 Data File : VN085584.D
 Acq On : 30 Jan 2025 17:06
 Operator : JC\MD
 Sample : Q1211-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

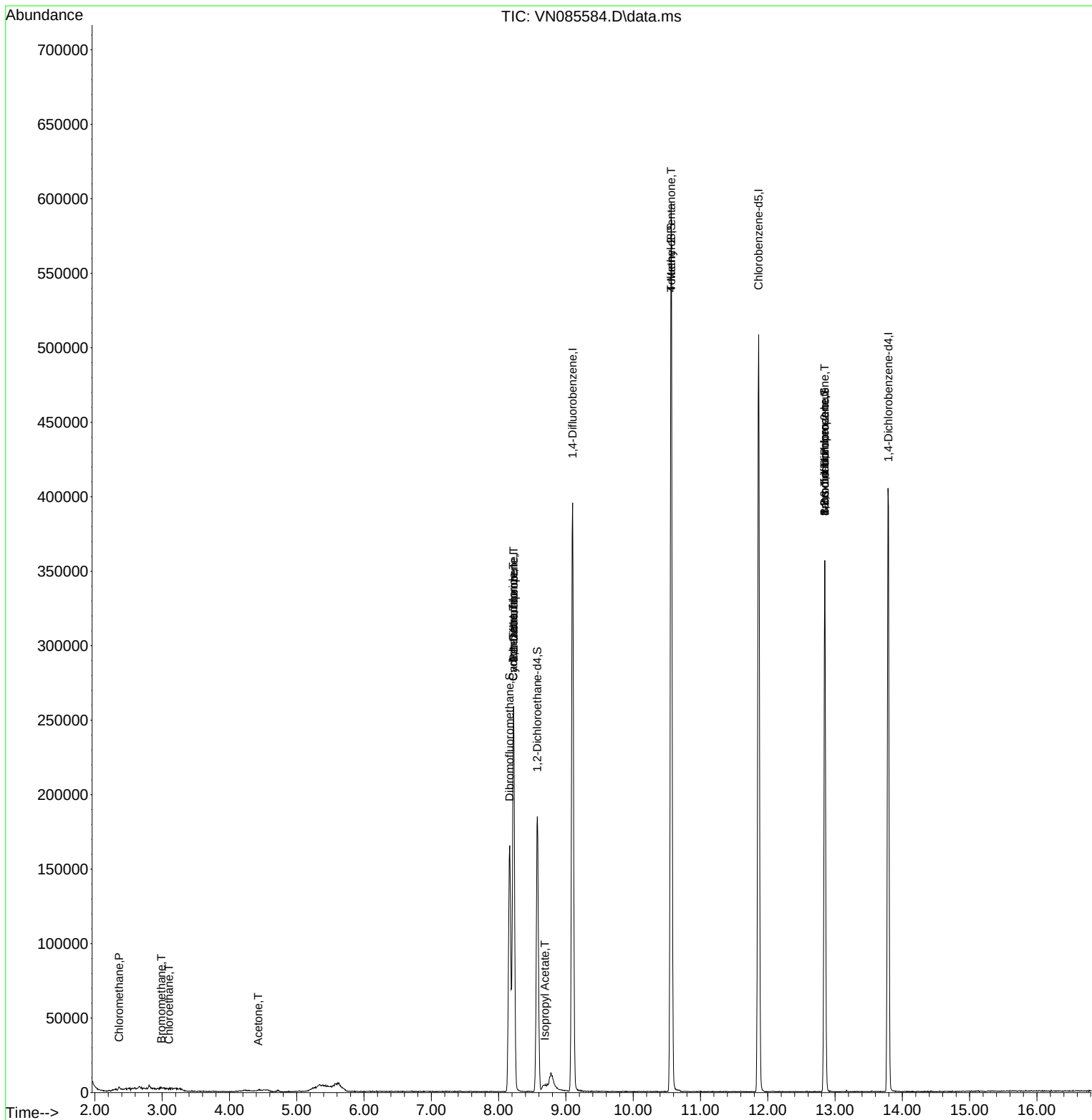
Quant Time: Jan 31 02:37:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

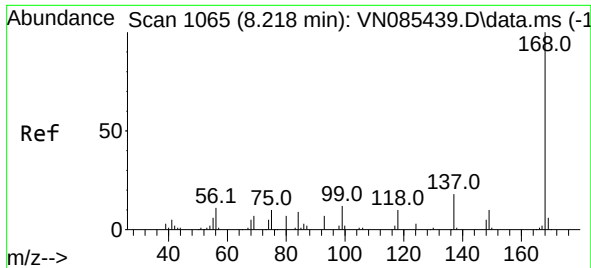
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	173262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	155111	55.460	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.920%	
35) Dibromofluoromethane	8.165	113	116507	52.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.180%	
50) Toluene-d8	10.565	98	390781	49.172	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.340%	
62) 4-Bromofluorobenzene	12.847	95	112668	41.444	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 82.880%	
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	1248	0.491	ug/l	93
5) Bromomethane	2.989	94	486	0.315	ug/l	87
6) Chloroethane	3.100	64	439	0.271	ug/l #	44
16) Acetone	4.430	43	1421	1.572	ug/l #	45
31) Cyclohexane	8.218	56	5032	1.418	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16629	5.297	ug/l #	49
38) Carbon Tetrachloride	8.218	117	18600	5.175	ug/l #	19
43) Isopropyl Acetate	8.688	43	4164	0.820	ug/l #	55
51) 4-Methyl-2-Pentanone	10.565	43	2030	0.689	ug/l #	1
71) Bromoform	12.847	173	1169	0.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	63604	29.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63604	81.048	ug/l #	3

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

Quant Time: Jan 31 02:37:39 2025
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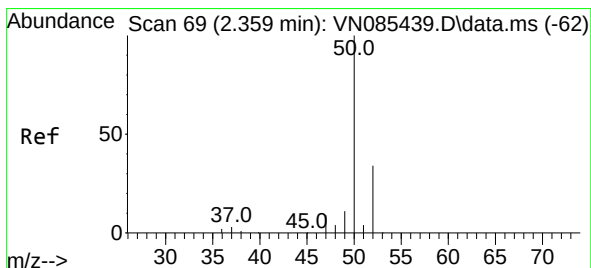
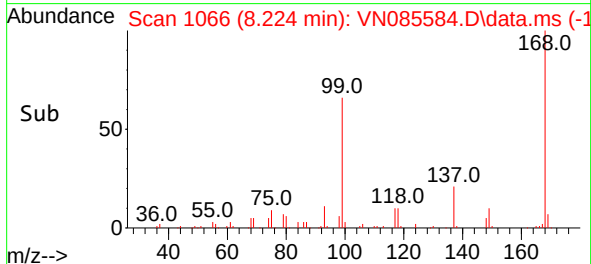
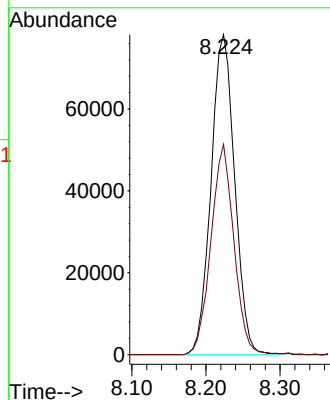
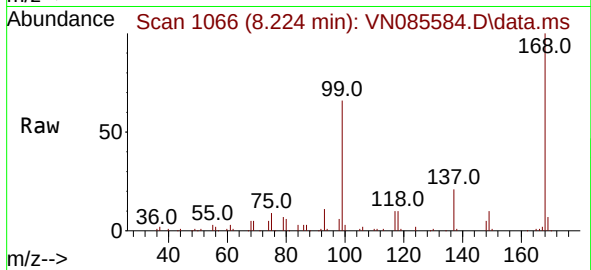




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

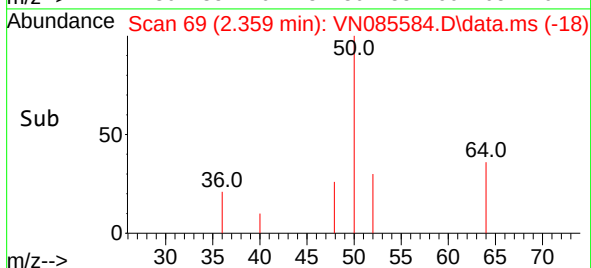
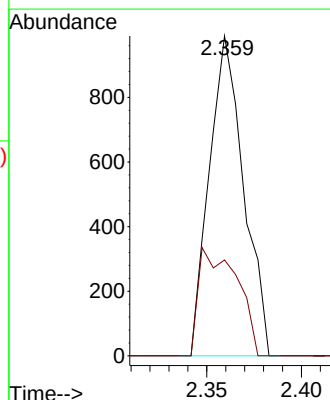
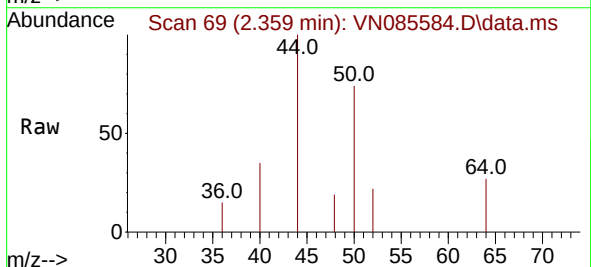
Instrument :
MSVOA_N
ClientSampleId :

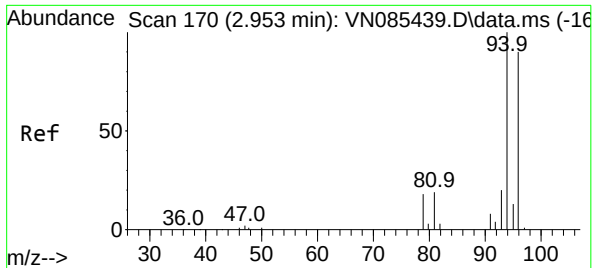
Tgt Ion:168 Resp: 173262
Ion Ratio Lower Upper
168 100
99 65.8 53.6 80.4



#3
Chloromethane
Concen: 0.491 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

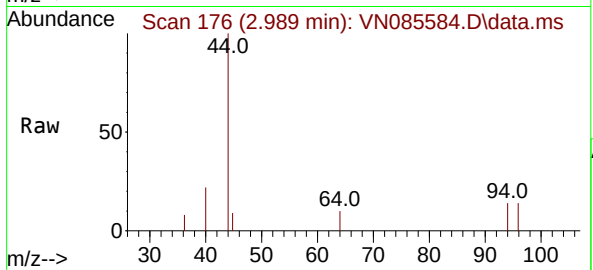
Tgt Ion: 50 Resp: 1248
Ion Ratio Lower Upper
50 100
52 30.0 27.0 40.6



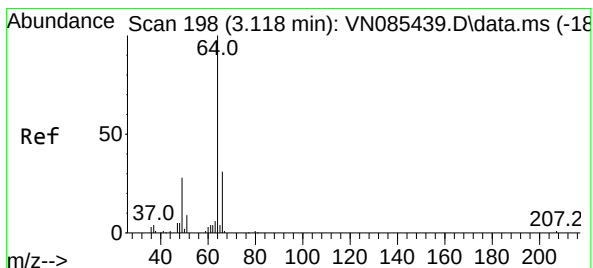
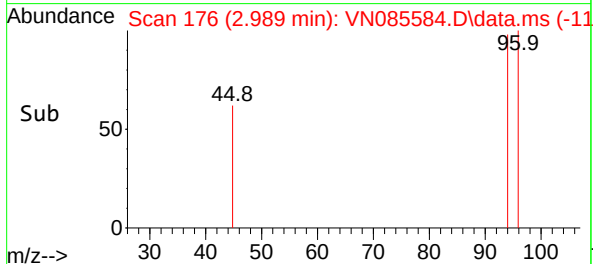
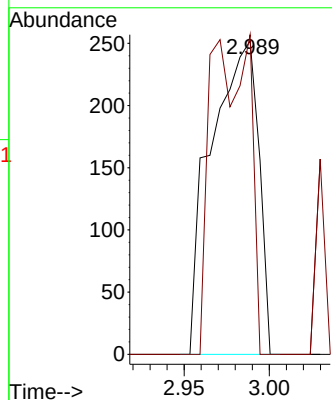


#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :

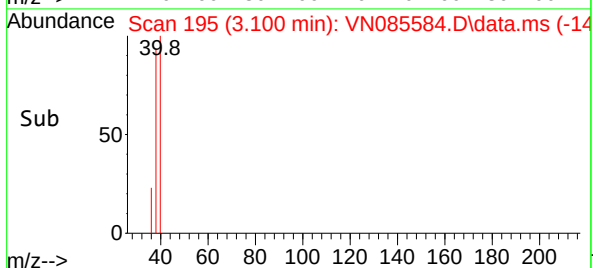
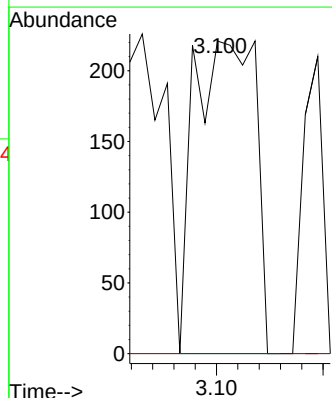
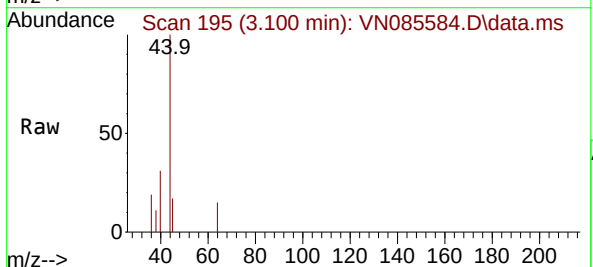


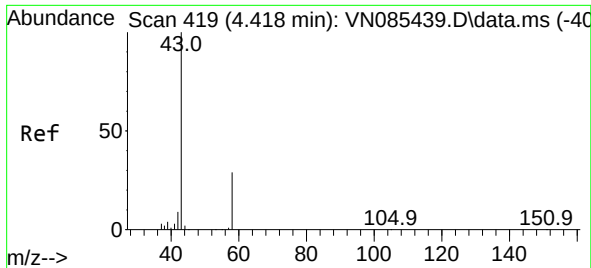
Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 102.0 71.8 107.6



#6
Chloroethane
Concen: 0.271 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion: 64 Resp: 439
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#16

Acetone

Concen: 1.572 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

Instrument :

MSVOA_N

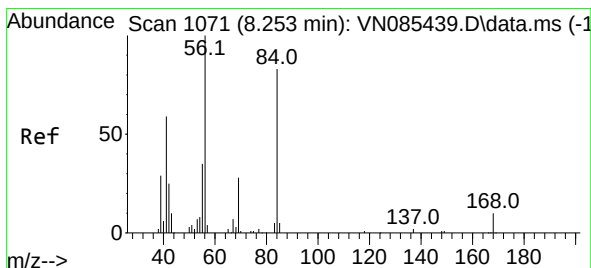
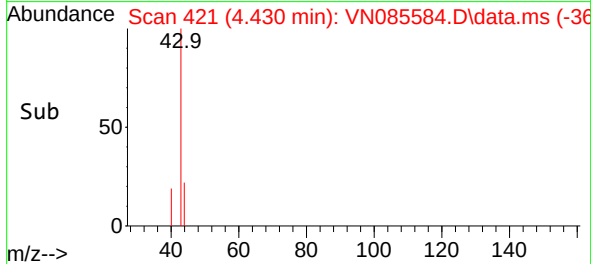
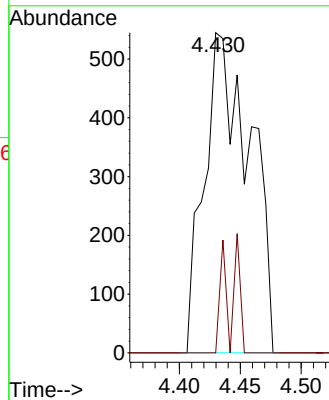
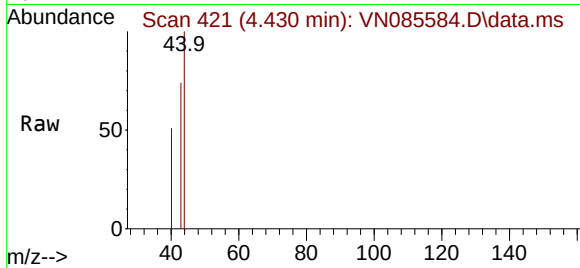
ClientSampleId :

Tgt Ion: 43 Resp: 1421

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.418 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

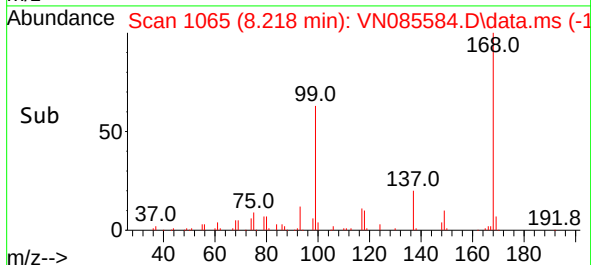
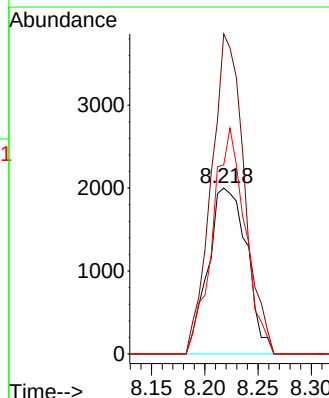
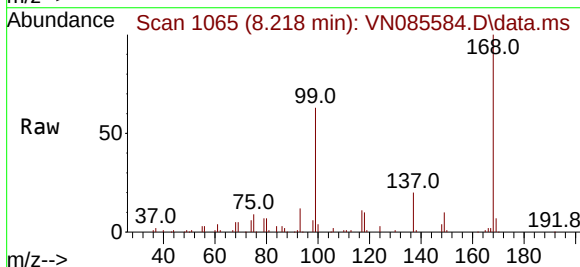
Tgt Ion: 56 Resp: 5032

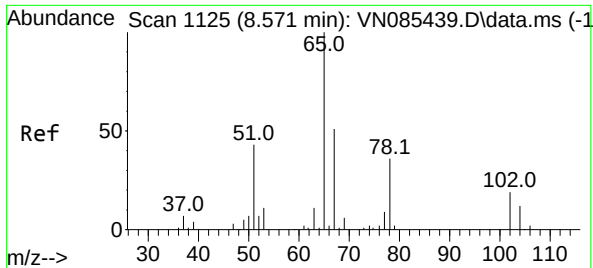
Ion Ratio Lower Upper

56 100

69 192.9 22.2 33.4#

84 113.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.460 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

Instrument :

MSVOA_N

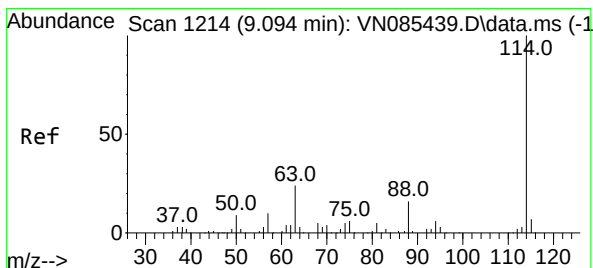
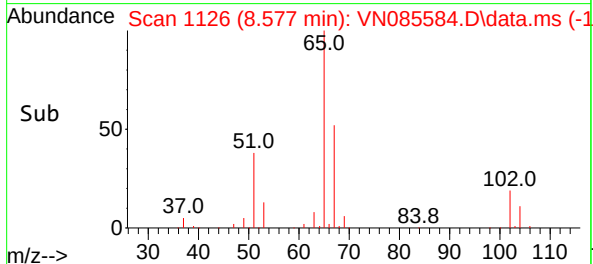
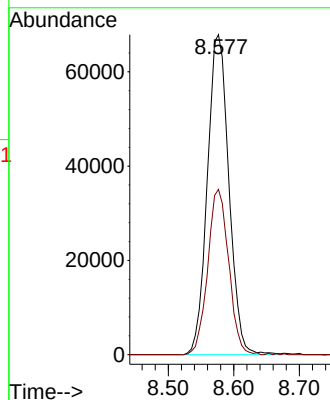
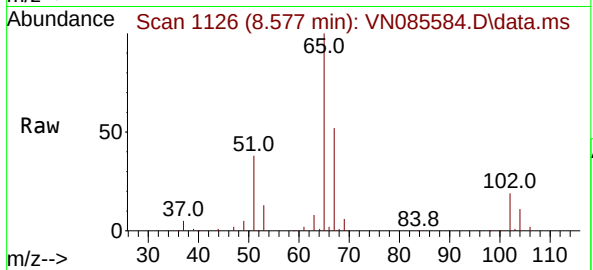
ClientSampleId :

Tgt Ion: 65 Resp: 155111

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

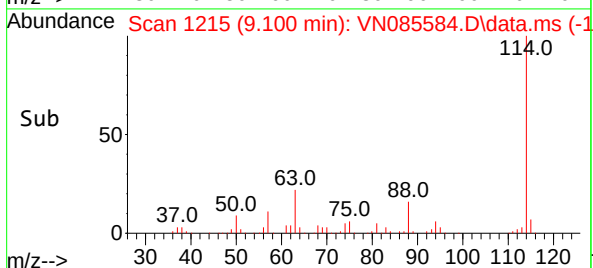
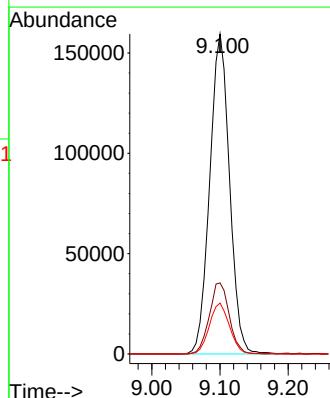
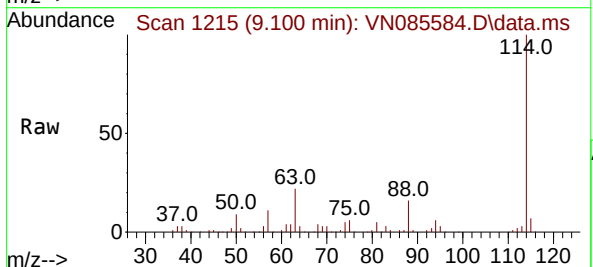
Tgt Ion: 114 Resp: 322416

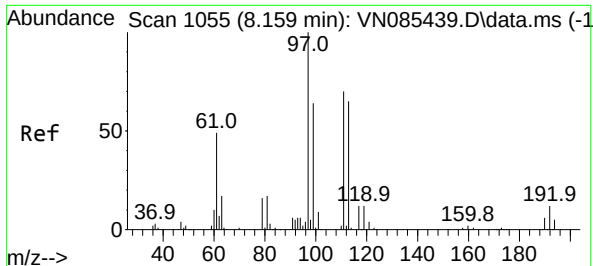
Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.087 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.006 min

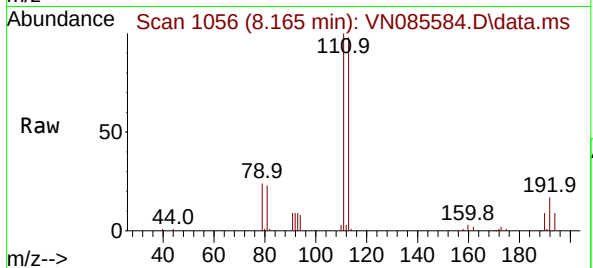
Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :



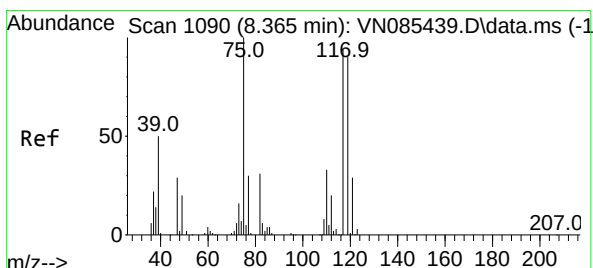
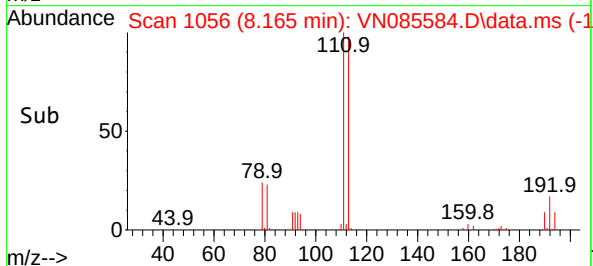
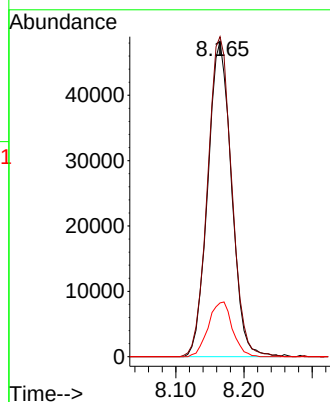
Tgt Ion:113 Resp: 116507

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.297 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

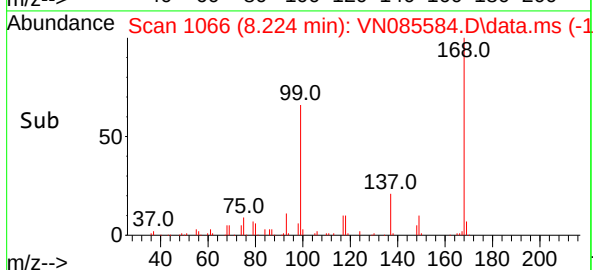
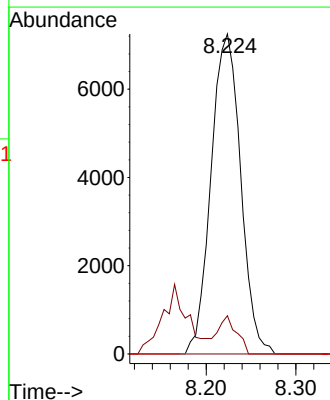
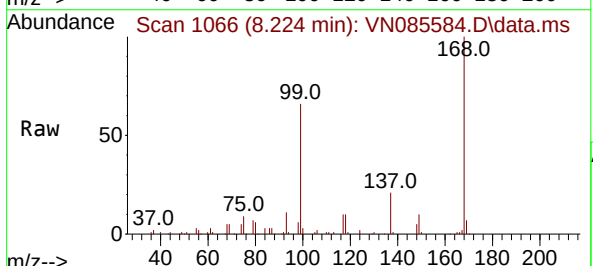
Tgt Ion: 75 Resp: 16629

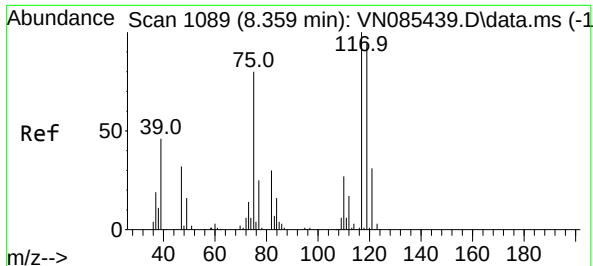
Ion Ratio Lower Upper

75 100

110 7.2 16.5 49.5#

77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.175 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

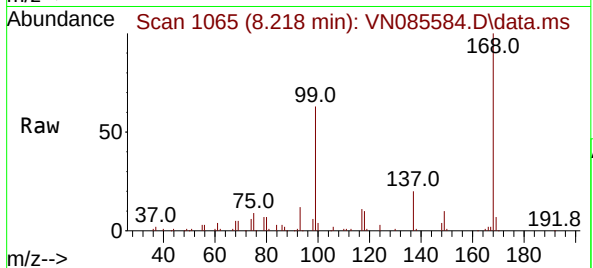
Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :



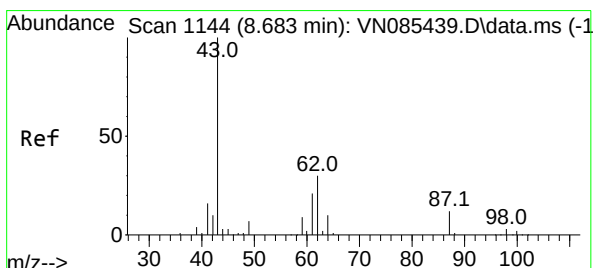
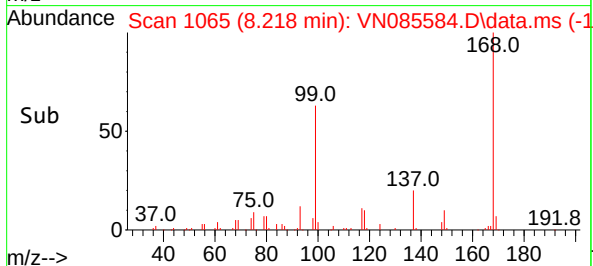
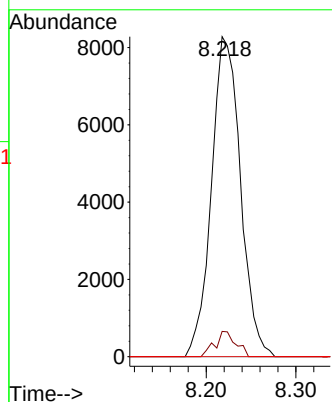
Tgt Ion:117 Resp: 18600

Ion Ratio Lower Upper

117 100

119 7.9 75.4 113.2#

121 0.0 24.6 37.0#



#43

Isopropyl Acetate

Concen: 0.820 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085584.D

Acq: 30 Jan 2025 17:06

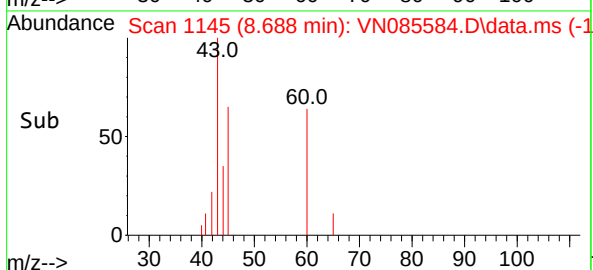
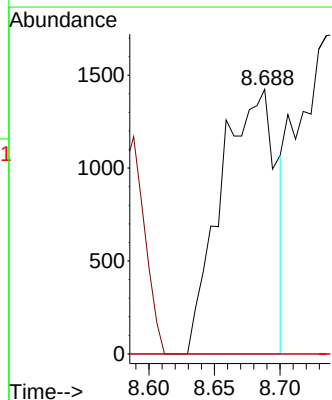
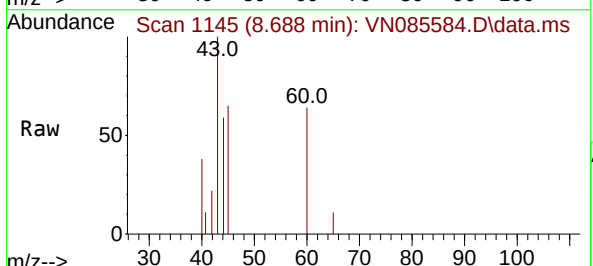
Tgt Ion: 43 Resp: 4164

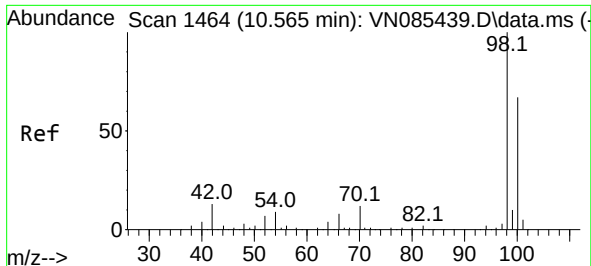
Ion Ratio Lower Upper

43 100

61 0.0 20.7 31.1#

87 0.0 9.8 14.8#

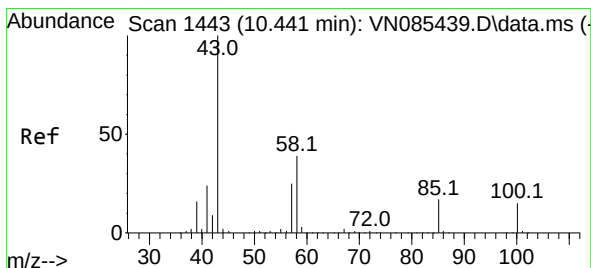
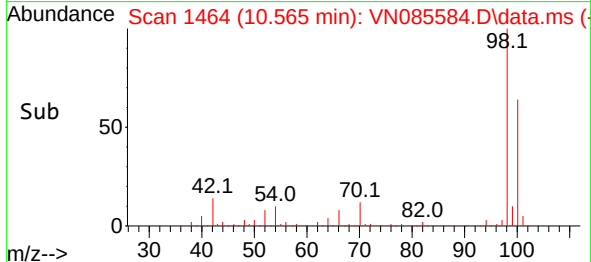
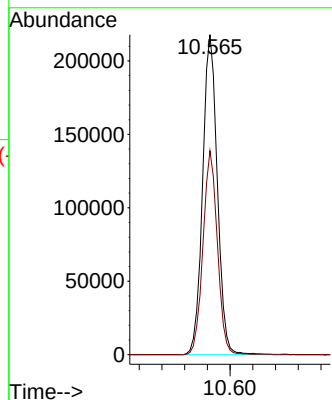
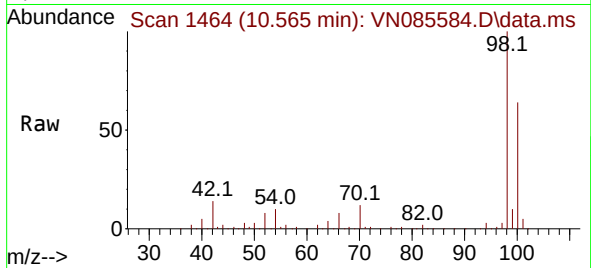




#50
Toluene-d8
Concen: 49.172 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

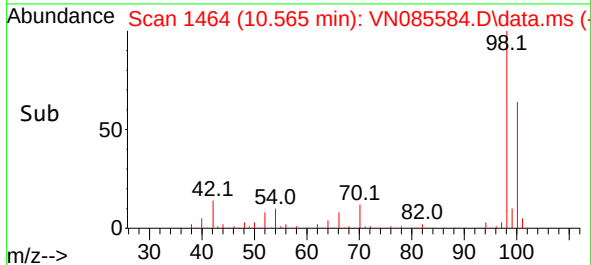
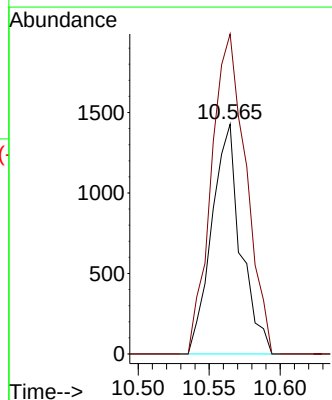
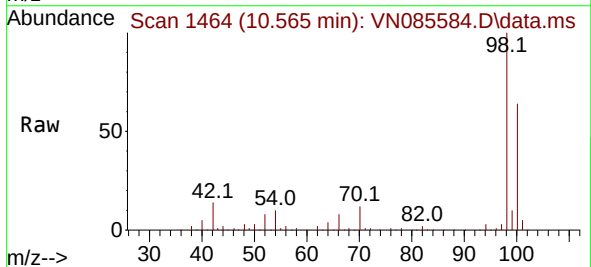
Instrument :
MSVOA_N
ClientSampleId :

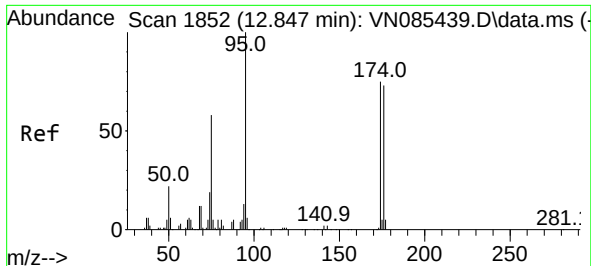
Tgt Ion: 98 Resp: 390781
Ion Ratio Lower Upper
98 100
100 62.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.689 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
58 166.0 30.5 45.7#

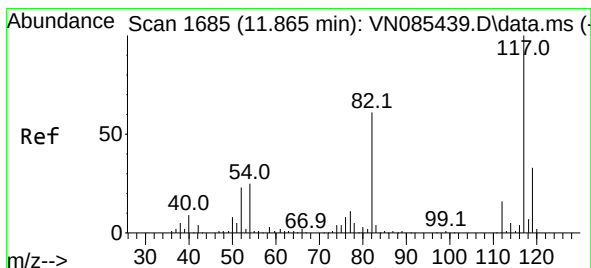
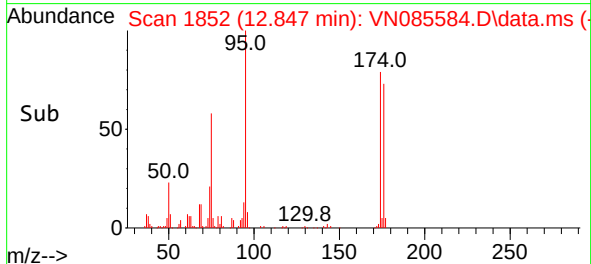
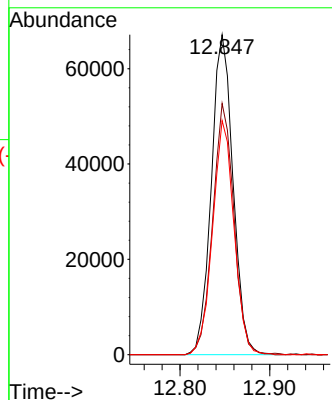
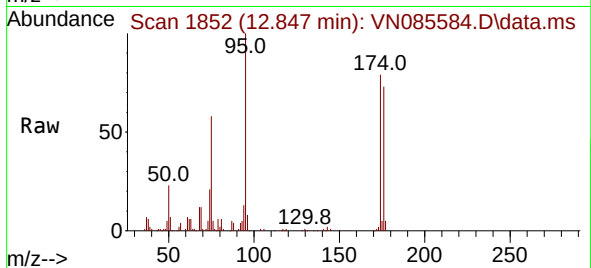




#62
4-Bromofluorobenzene
Concen: 41.444 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

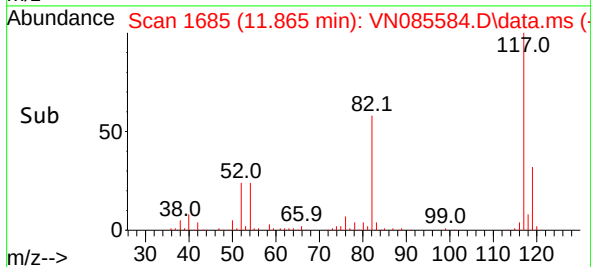
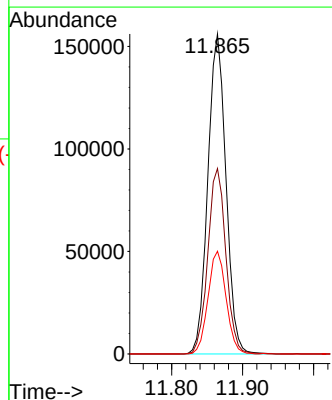
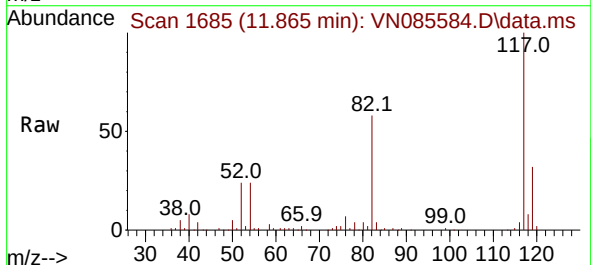
Instrument :
MSVOA_N
ClientSampleId :

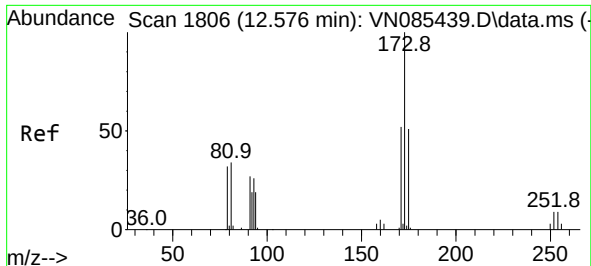
Tgt Ion: 95 Resp: 112668
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.0
176 72.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion: 117 Resp: 276202
Ion Ratio Lower Upper
117 100
82 57.9 48.6 72.8
119 32.1 26.6 39.8

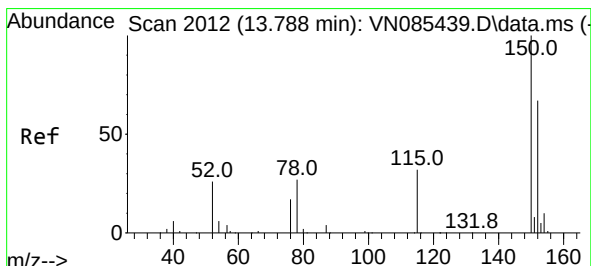
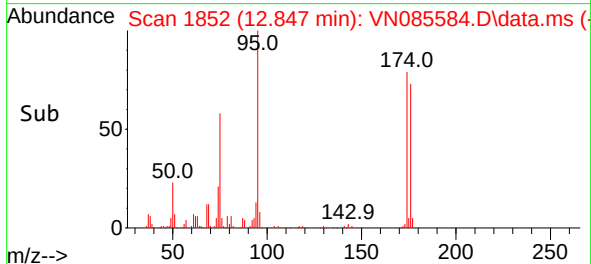
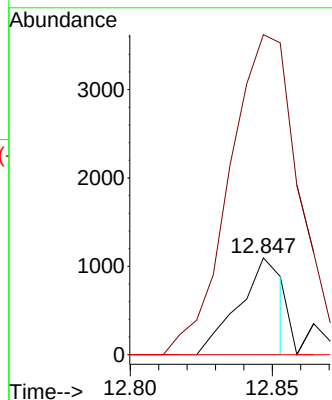
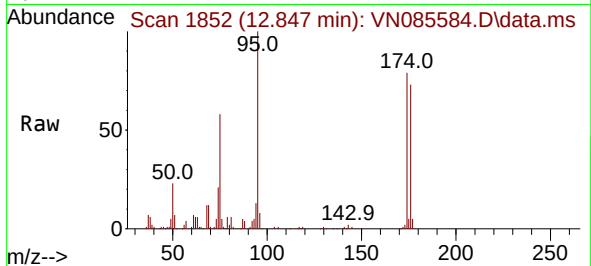




#71
Bromoform
Concen: 0.736 ug/l
RT: 12.847 min Scan# 1169
Delta R.T. 0.270 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

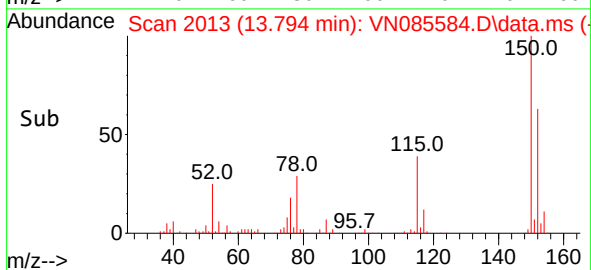
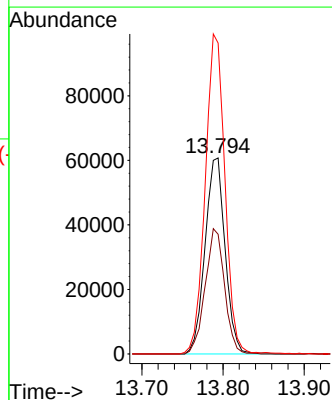
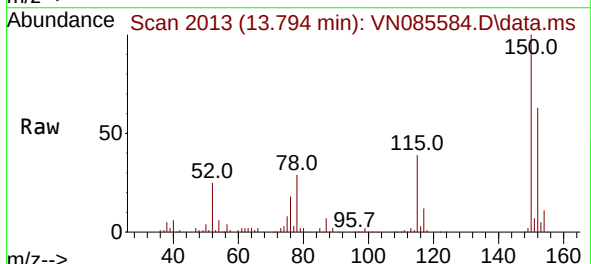
Instrument :
MSVOA_N
ClientSampleId :

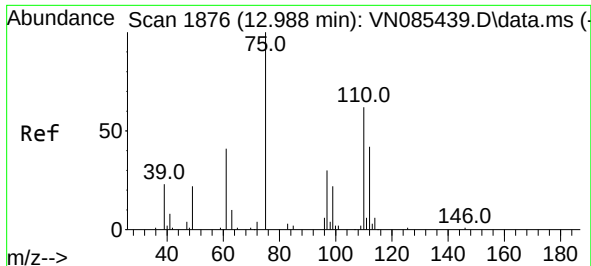
Tgt Ion	Ratio	Lower	Upper
173	100		
175	419.1	24.4	73.2#
254	0.0	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	31.1	93.3
150	159.7	0.0	343.6

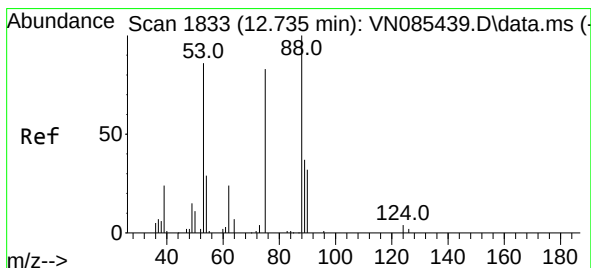
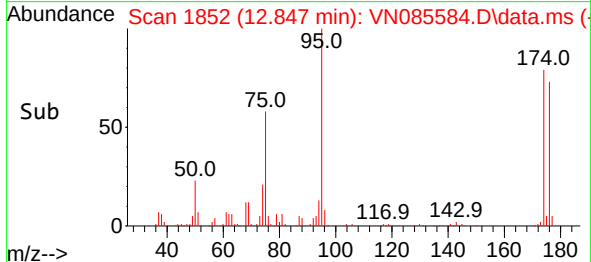
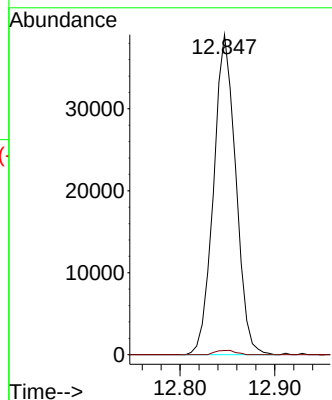
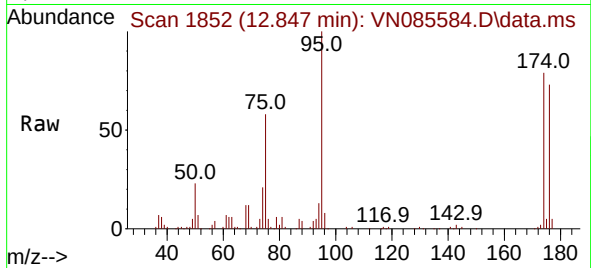




#76
1,2,3-Trichloropropane
Concen: 29.956 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63604
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.048 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085584.D
Acq: 30 Jan 2025 17:06

Tgt Ion: 75 Resp: 63604
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

