

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084512.D
 Acq On : 25 Oct 2024 13:39
 Operator : JC\MD
 Sample : P4549-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 05:28:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

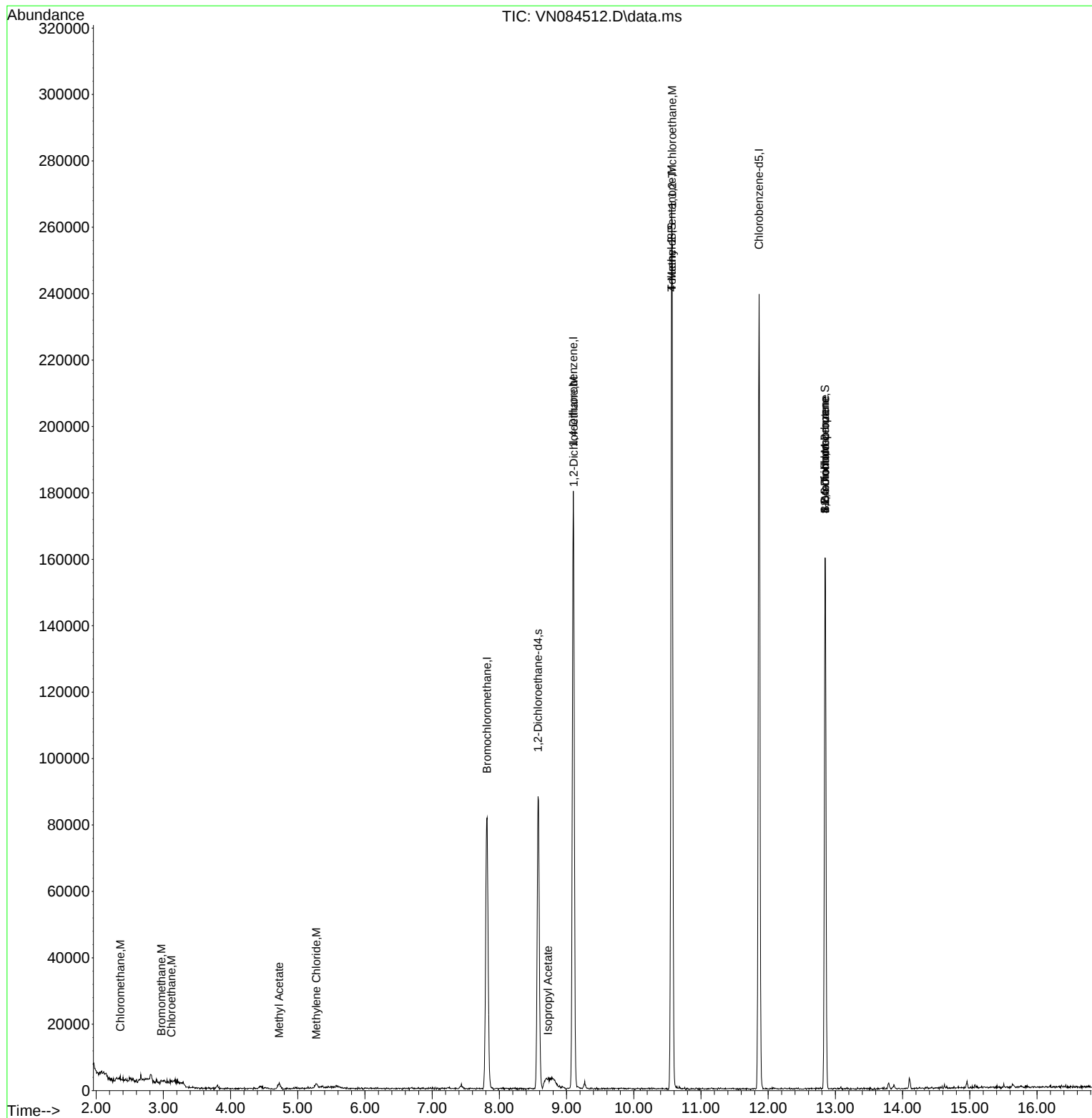
Internal Standards						
1) Bromochloromethane	7.818	128	29940	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	152700	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136002	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	72511	30.082	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.267%
60) 4-Bromofluorobenzene	12.847	95	56463	25.155	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.867%
63) Toluene-d8	10.565	98	184720	29.318	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	491	0.236	ug/l #	42
5) Bromomethane	2.971	94	319	0.236	ug/l #	2
6) Chloroethane	3.118	64	285	0.213	ug/l #	40
12) Methyl Acetate	4.724	43	552	0.237	ug/l #	51
18) Methylene Chloride	5.277	84	977	0.465	ug/l #	86
36) 1,2-Dichloroethane	9.106	62	5611	2.145	ug/l #	75
44) Isopropyl Acetate	8.724	43	1092	0.253	ug/l #	48
50) 1,1,2-Trichloroethane	10.570	97	6535	3.636	ug/l #	1
56) Bromoform	12.847	173	485	0.344	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	752	0.297	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	29094	13.600	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	29094	31.826	ug/l #	12

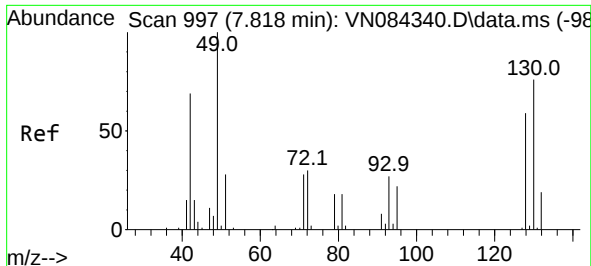
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
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MSVOA_N
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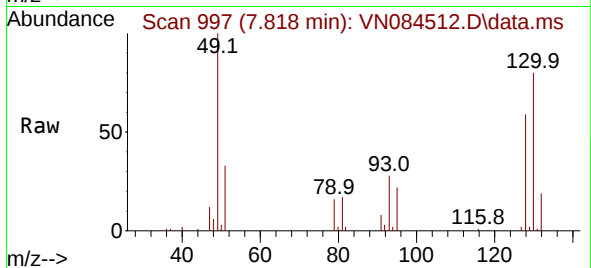
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
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QLast Update : Wed Oct 09 02:22:28 2024
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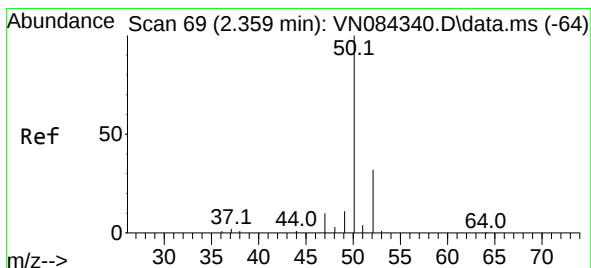
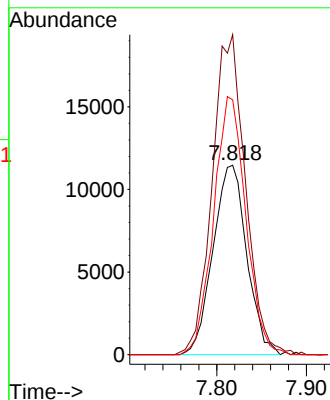
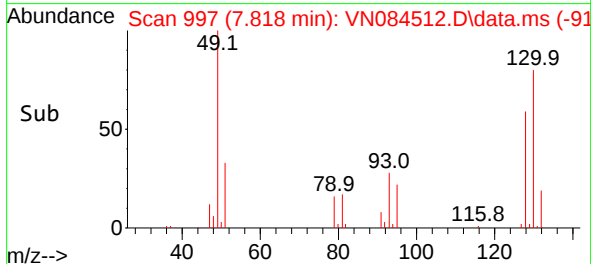


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :

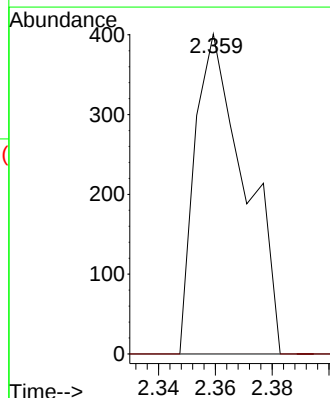
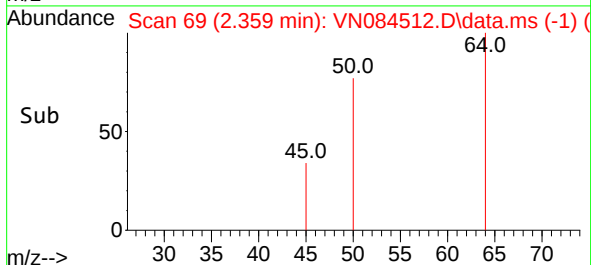
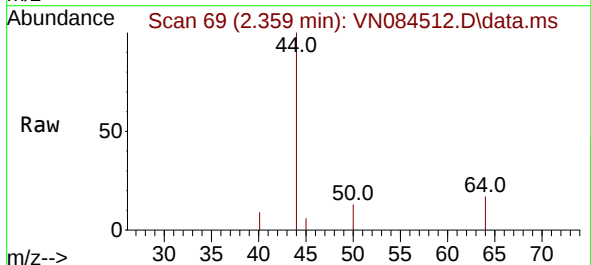


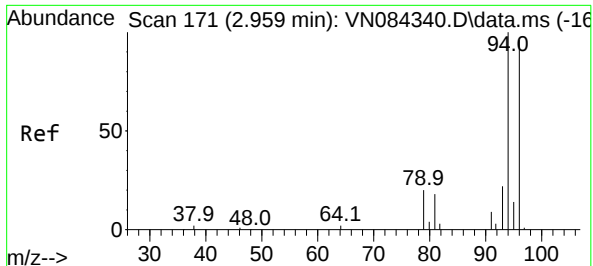
Tgt Ion:128 Resp: 29940
Ion Ratio Lower Upper
128 100
49 166.2 0.0 430.0
130 130.0 0.0 329.8



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

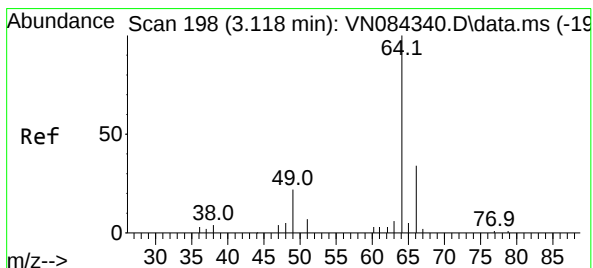
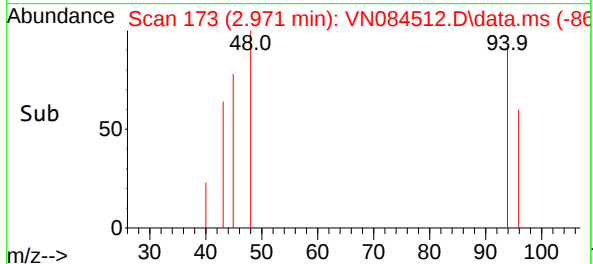
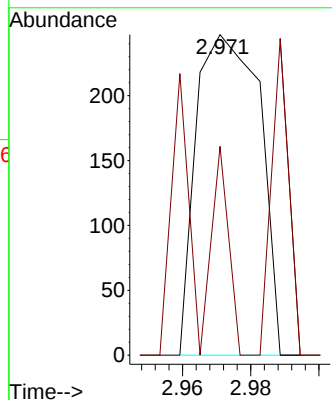
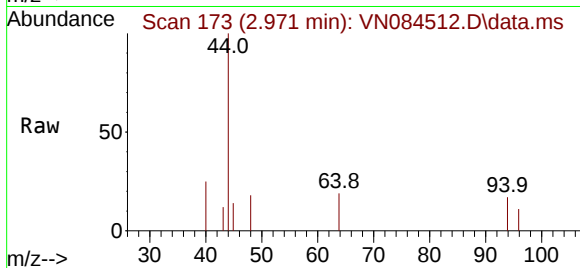




#5
Bromomethane
Concen: 0.236 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

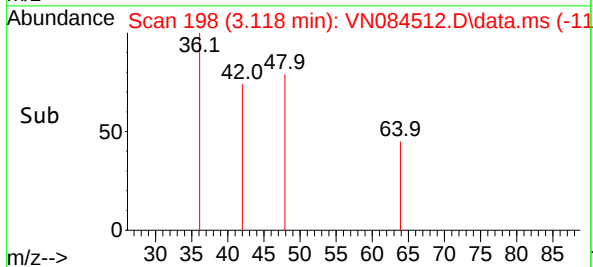
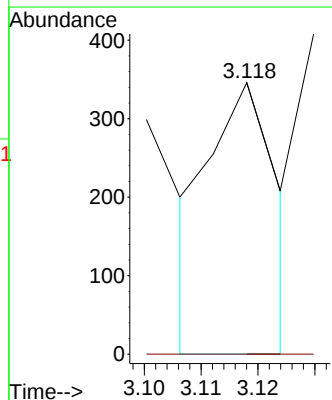
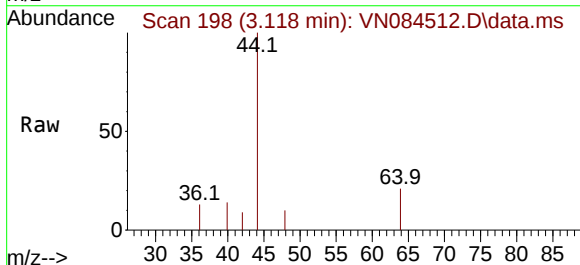
Instrument :
MSVOA_N
ClientSampleId :

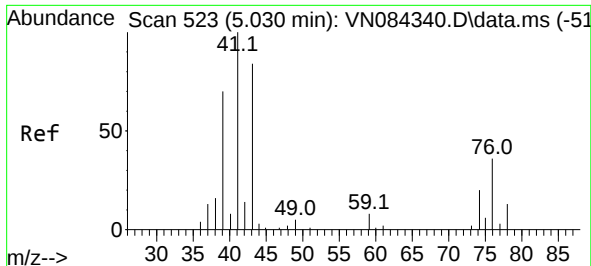
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 0.0 76.7 115.1#



#6
Chloroethane
Concen: 0.213 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 64 Resp: 285
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#

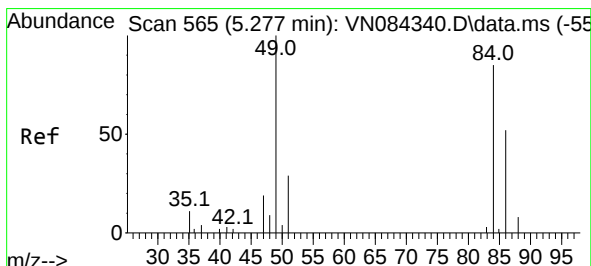
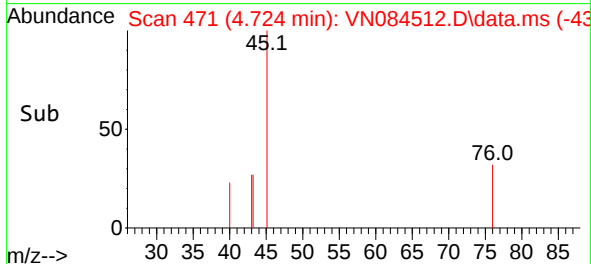
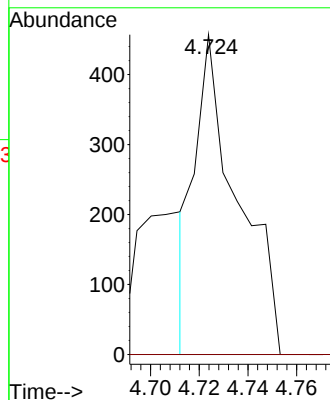
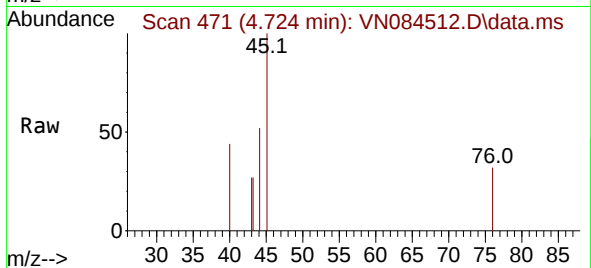




#12
Methyl Acetate
Concen: 0.237 ug/l
RT: 4.724 min Scan# 471
Delta R.T. -0.306 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

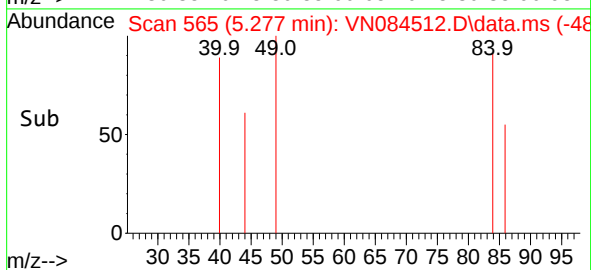
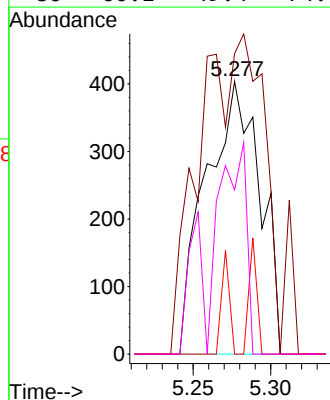
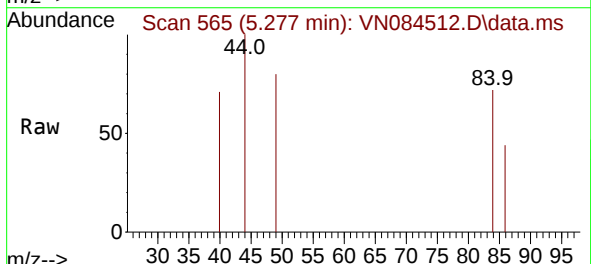
Instrument :
MSVOA_N
ClientSampleId :

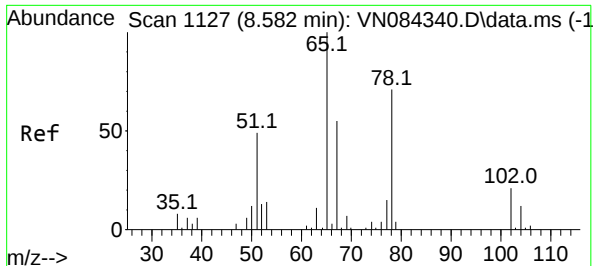
Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#18
Methylene Chloride
Concen: 0.465 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 84 Resp: 977
Ion Ratio Lower Upper
84 100
49 110.1 94.6 142.0
51 0.0 27.3 40.9#
86 60.1 49.4 74.0

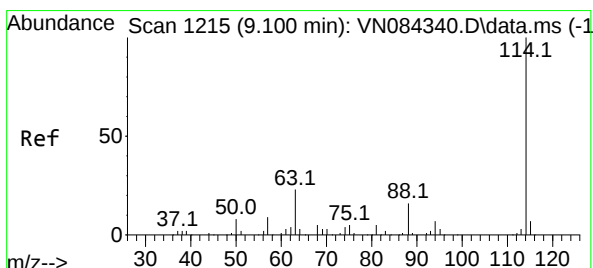
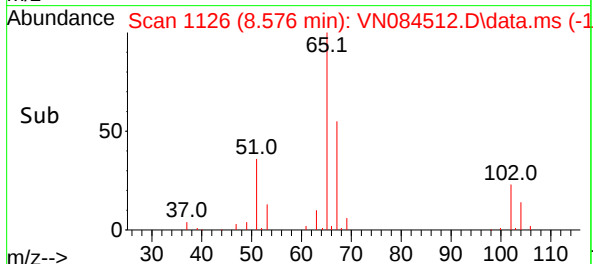
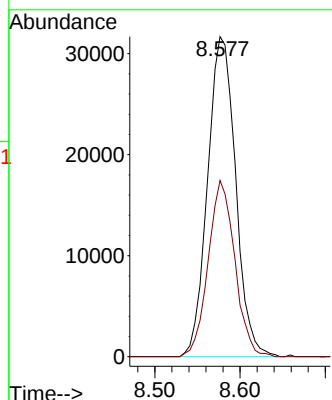
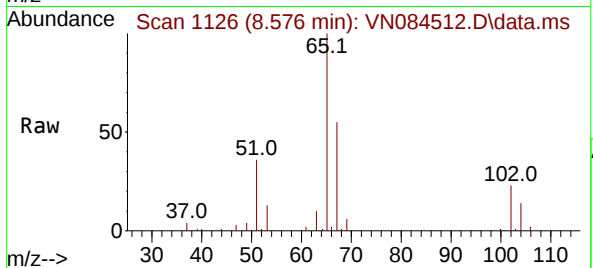




#27
 1,2-Dichloroethane-d4
 Concen: 30.082 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084512.D
 Acq: 25 Oct 2024 13:39

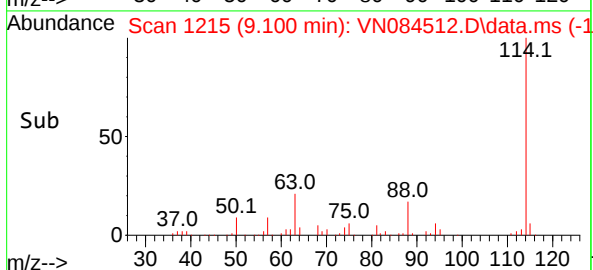
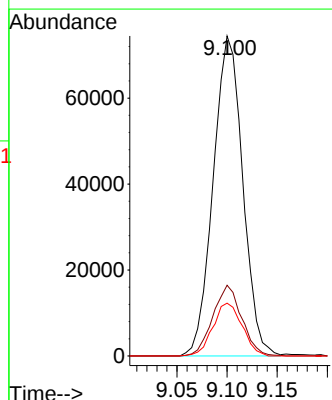
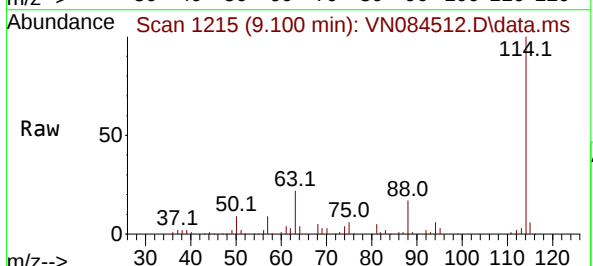
Instrument :
 MSVOA_N
 ClientSampleId :

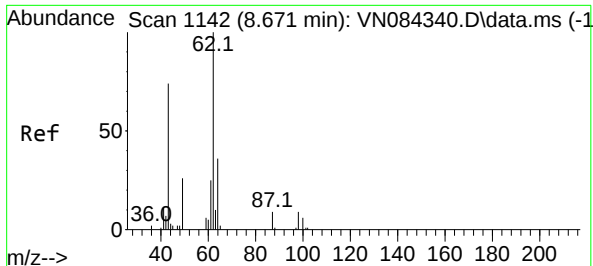
Tgt Ion: 65 Resp: 72511
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084512.D
 Acq: 25 Oct 2024 13:39

Tgt Ion: 114 Resp: 152700
 Ion Ratio Lower Upper
 114 100
 63 21.6 17.4 26.0
 88 16.3 13.2 19.8





#36

1,2-Dichloroethane

Concen: 2.145 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.435 min

Lab File: VN084512.D

Acq: 25 Oct 2024 13:39

Instrument :

MSVOA_N

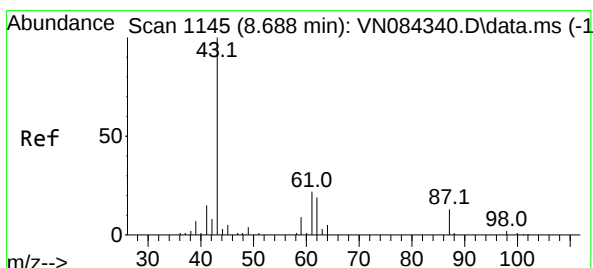
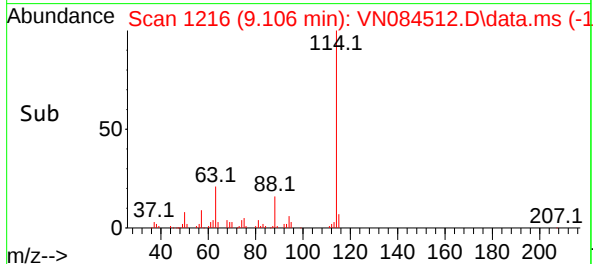
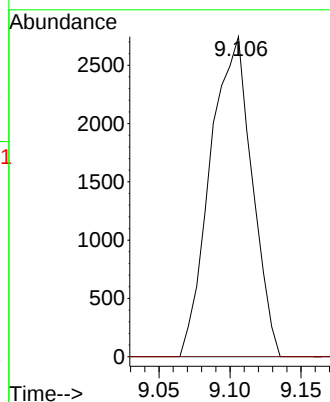
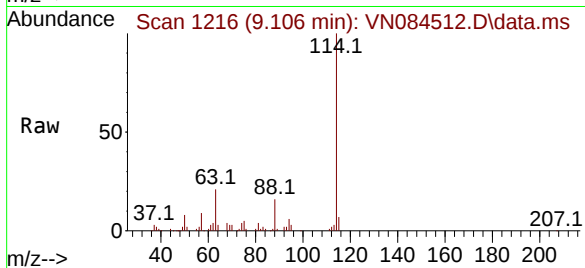
ClientSampleId :

Tgt Ion: 62 Resp: 5611

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#



#44

Isopropyl Acetate

Concen: 0.253 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.035 min

Lab File: VN084512.D

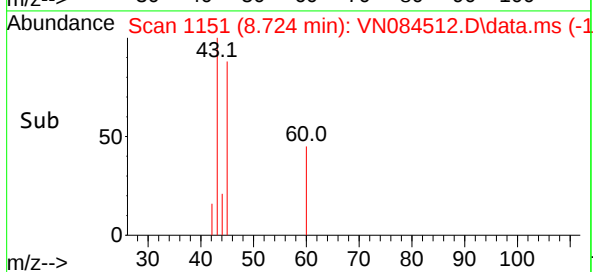
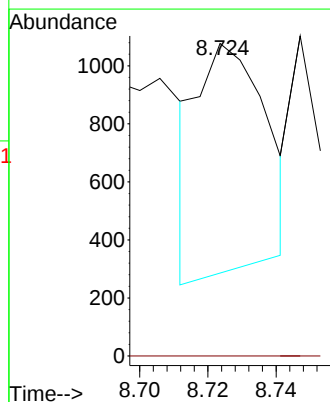
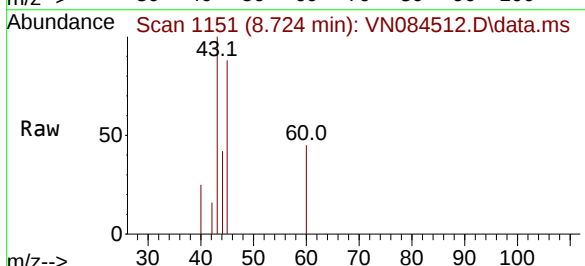
Acq: 25 Oct 2024 13:39

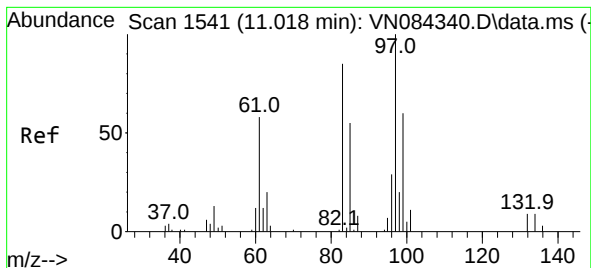
Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.2#

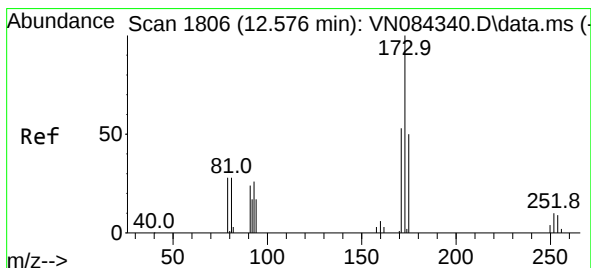
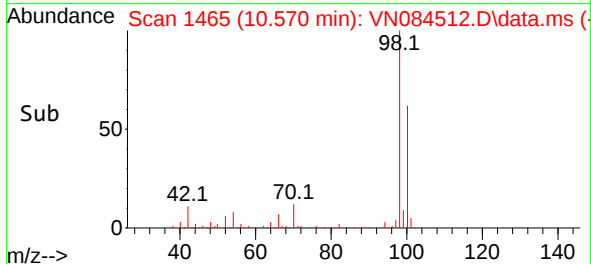
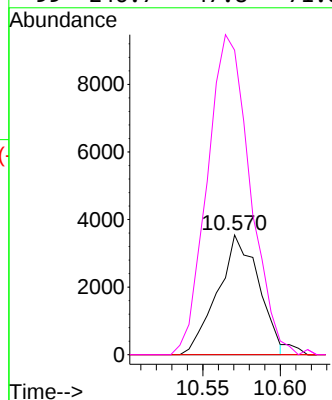
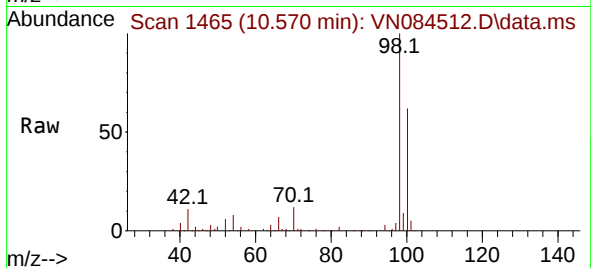




#50
1,1,2-Trichloroethane
Concen: 3.636 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

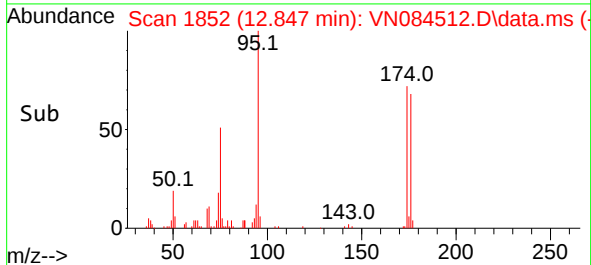
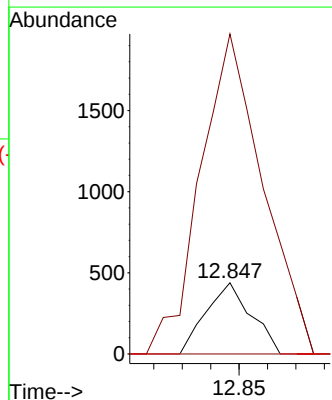
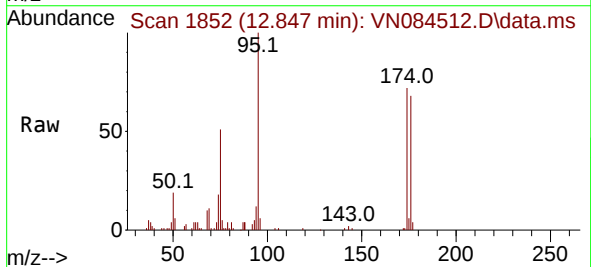
Instrument :
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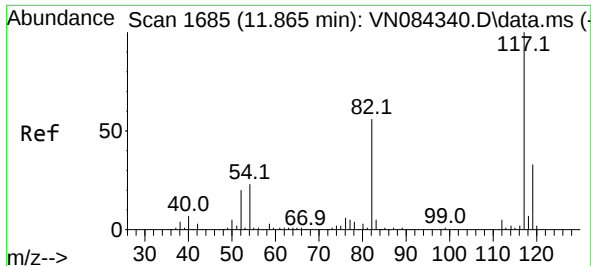
Tgt Ion: 97 Resp: 6535
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.8#
85 0.0 44.2 66.2#
99 246.7 47.8 71.8#



#56
Bromoform
Concen: 0.344 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion:173 Resp: 485
Ion Ratio Lower Upper
173 100
175 621.4 39.4 59.2#
254 0.0 6.8 10.2#

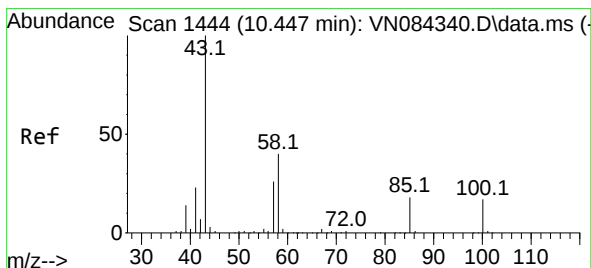
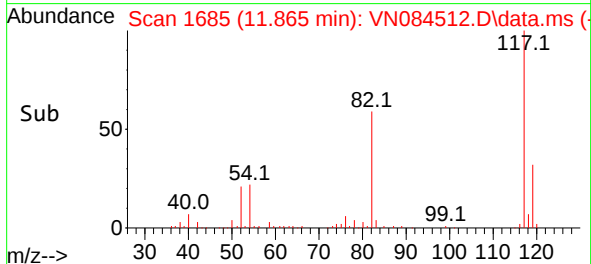
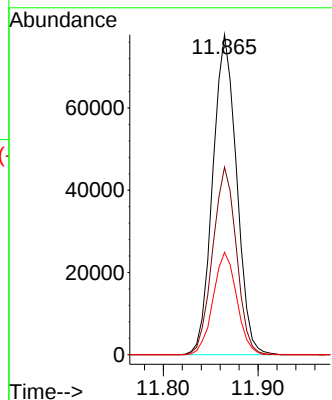
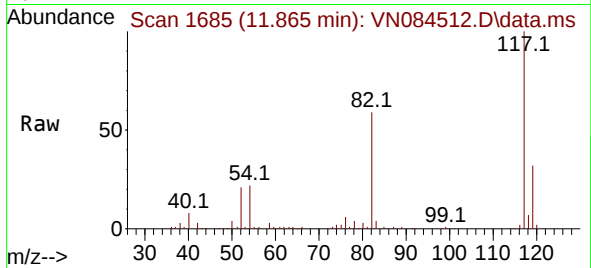




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

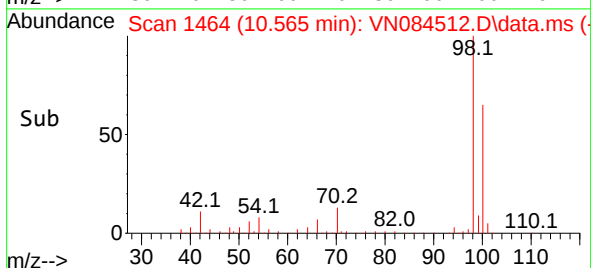
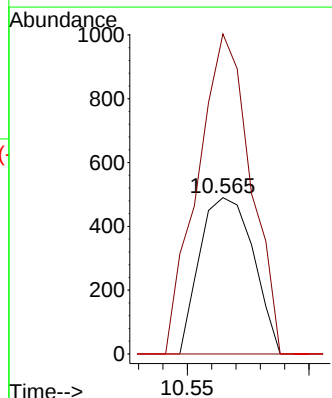
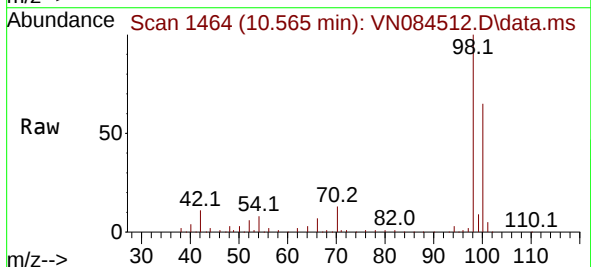
Instrument :
MSVOA_N
ClientSampleId :

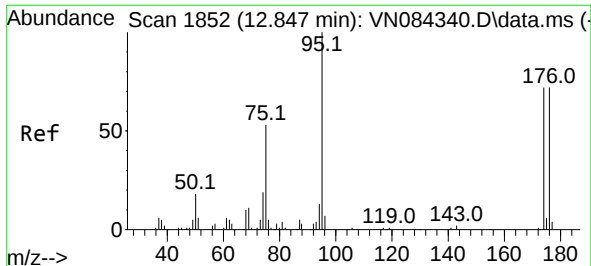
Tgt Ion:117 Resp: 136002
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 31.7 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.297 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 202.7 31.9 47.9#
85 0.0 14.6 22.0#





#60

4-Bromofluorobenzene

Concen: 25.155 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084512.D

Acq: 25 Oct 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

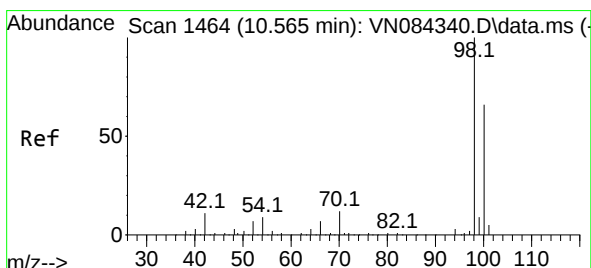
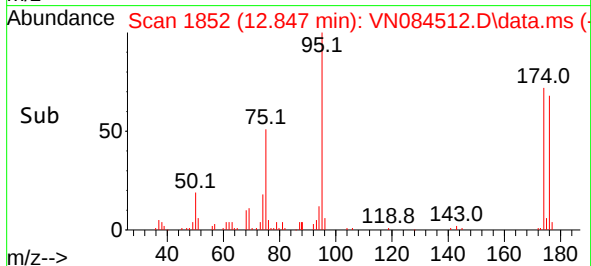
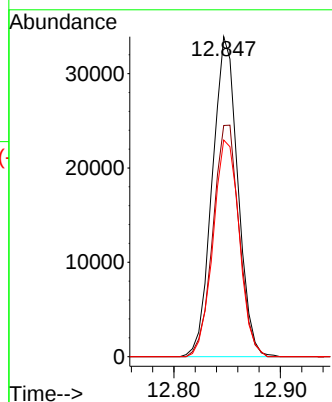
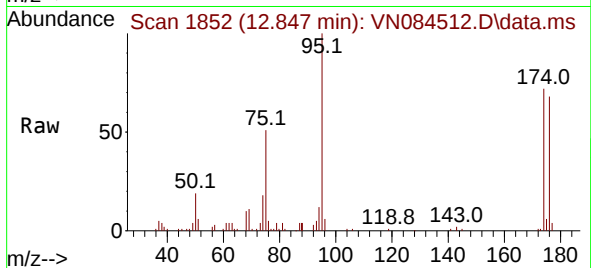
Tgt Ion: 95 Resp: 56463

Ion Ratio Lower Upper

95 100

174 74.1 58.2 87.2

176 69.4 56.4 84.6



#63

Toluene-d8

Concen: 29.318 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084512.D

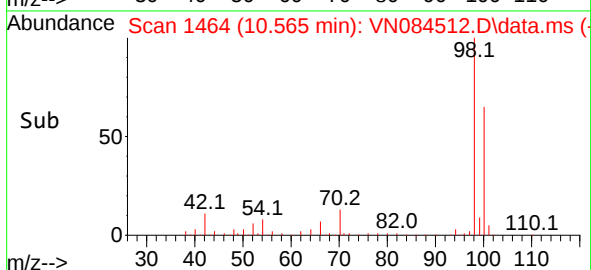
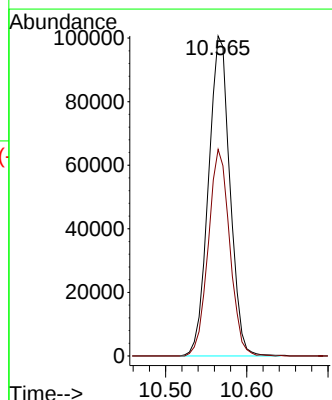
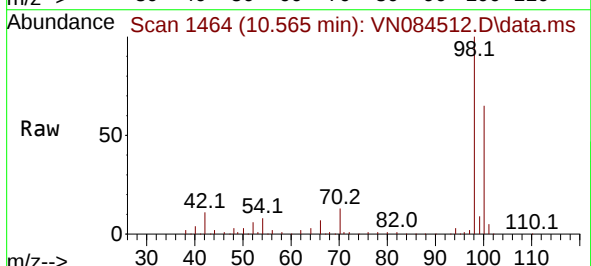
Acq: 25 Oct 2024 13:39

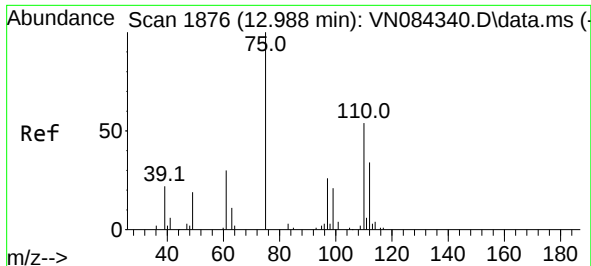
Tgt Ion: 98 Resp: 184720

Ion Ratio Lower Upper

98 100

100 64.2 52.5 78.7

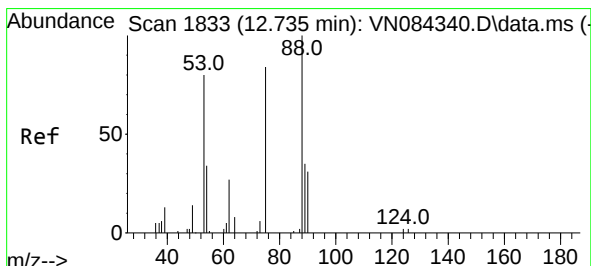
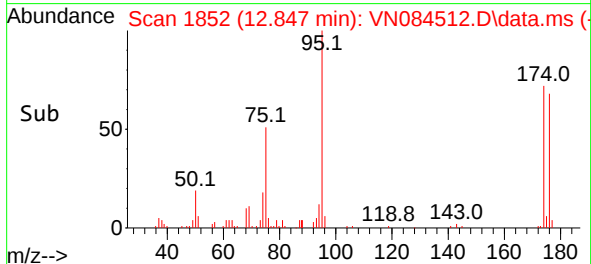
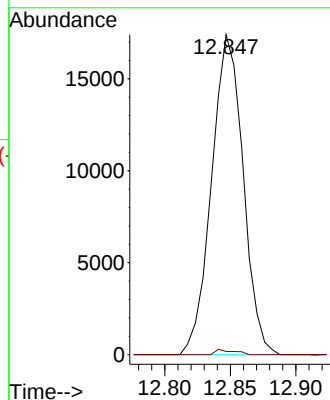
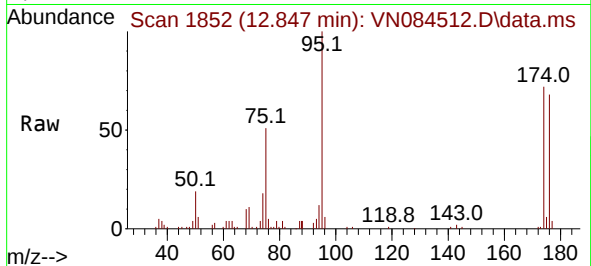




#72
1,2,3-Trichloropropane
Concen: 13.600 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 29094
Ion Ratio Lower Upper
75 100
77 0.6 0.0 414.0



#77
t-1,4-Dichloro-2-butene
Concen: 31.826 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 75 Resp: 29094
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#

