

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084560.D
 Acq On : 29 Oct 2024 13:41
 Operator : JC\MD
 Sample : P4561-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:02:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

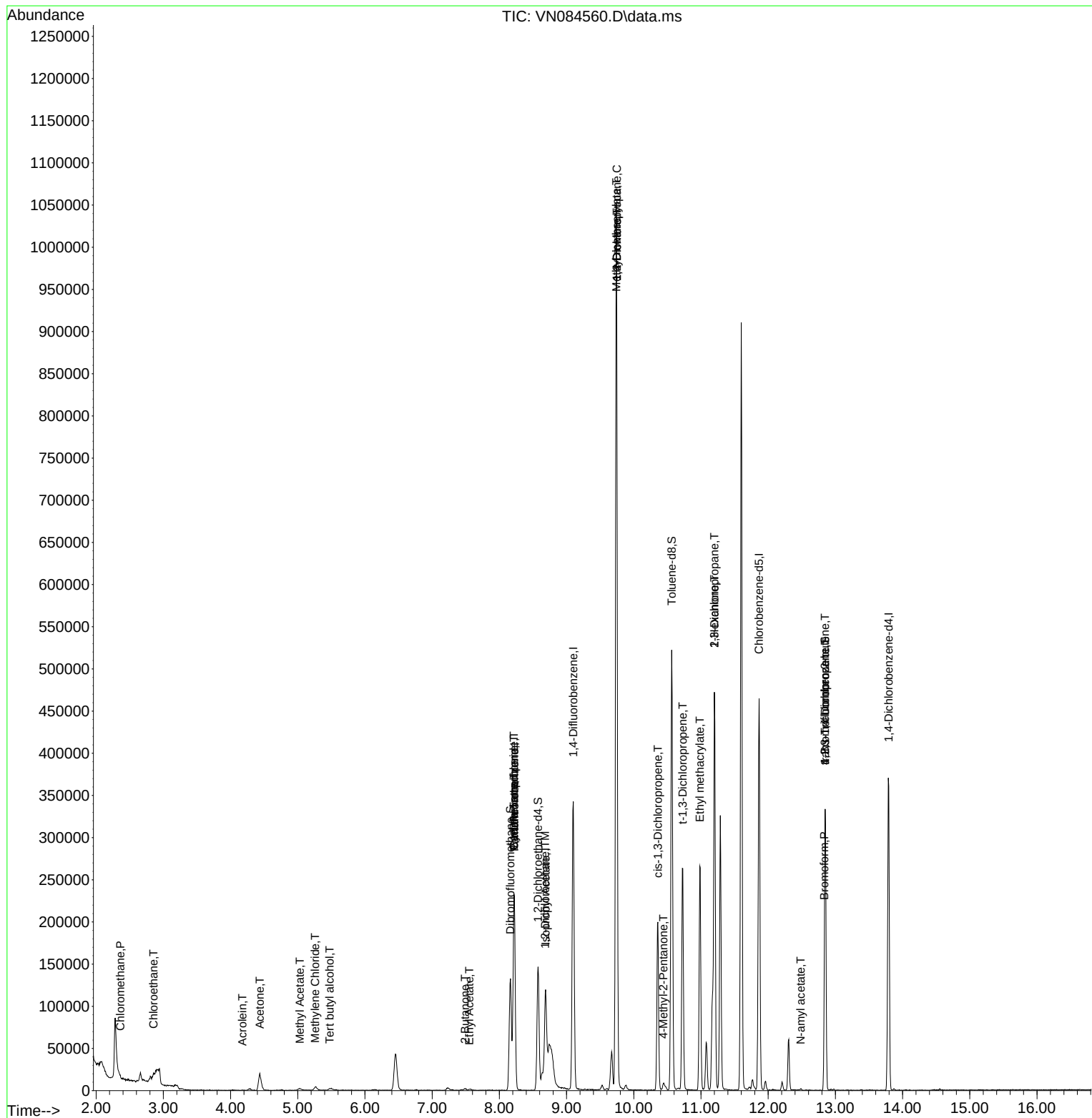
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120399	49.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	8.165	113	96874	49.443	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%
50) Toluene-d8	10.565	98	358238	49.697	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.847	95	120153	45.753	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	835	0.375	ug/l #	41
6) Chloroethane	2.854	64	1105	0.715	ug/l #	83
11) Tert butyl alcohol	5.477	59	1109	2.749	ug/l #	73
13) Acrolein	4.177	56	168	0.363	ug/l #	14
16) Acetone	4.436	43	35815	34.076	ug/l	95
18) Methyl Acetate	5.030	43	4718	2.060	ug/l #	81
20) Methylene Chloride	5.259	84	3195	1.495	ug/l #	69
25) 2-Butanone	7.489	43	3710	2.592	ug/l	92
31) Cyclohexane	8.218	56	4220	1.164	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14086	4.950	ug/l #	50
37) Ethyl Acetate	7.553	43	925	0.317	ug/l #	86
38) Carbon Tetrachloride	8.218	117	18746	6.005	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	682	0.227	ug/l #	75
43) Isopropyl Acetate	8.688	43	156925	27.440	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1240	0.591	ug/l #	44
48) Methyl methacrylate	9.741	41	91587	40.231	ug/l #	43
49) 1,4-Dioxane	9.747	88	117	2.792	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	10123	3.642	ug/l #	70
53) t-1,3-Dichloropropene	10.729	75	664	0.207	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	35994	10.439	ug/l #	65
56) Ethyl methacrylate	10.982	69	1239	0.388	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4843	1.398	ug/l #	42
59) 2-Hexanone	11.200	43	57427	27.644	ug/l #	56
71) Bromoform	12.835	173	514	0.351	ug/l #	1
74) N-amyl acetate	12.482	43	1008	0.291	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	62074	30.315	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62074	72.678	ug/l #	11

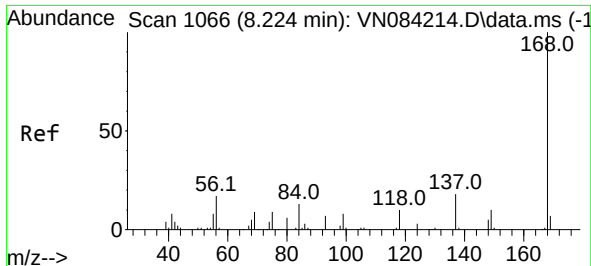
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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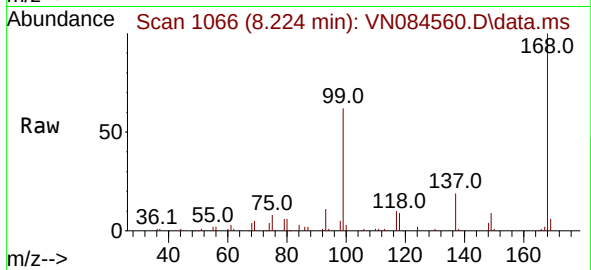
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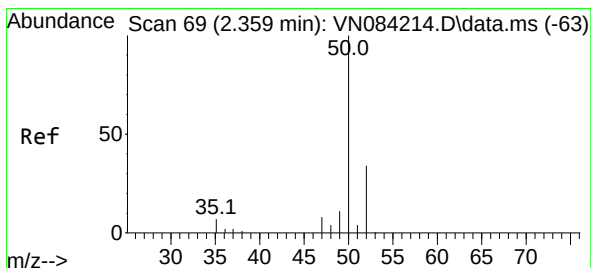
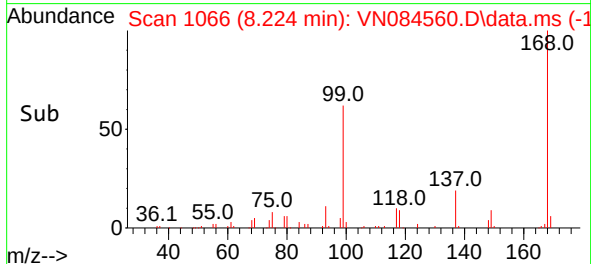
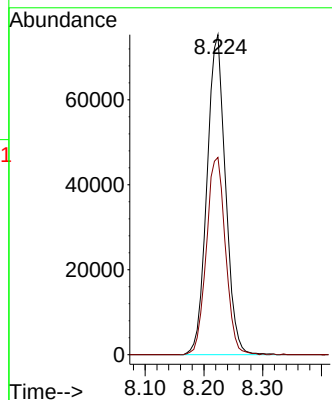


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :

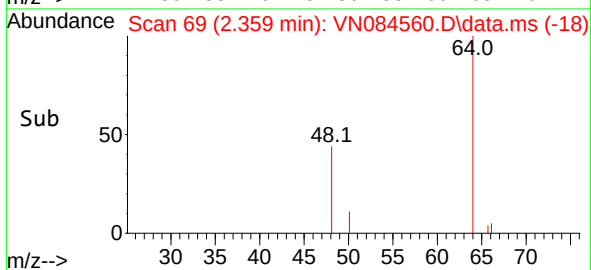
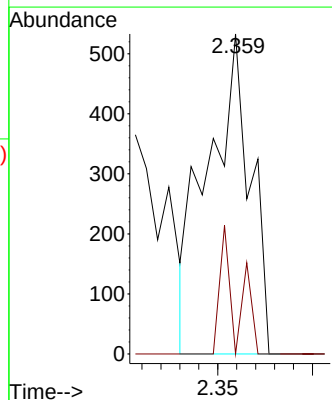
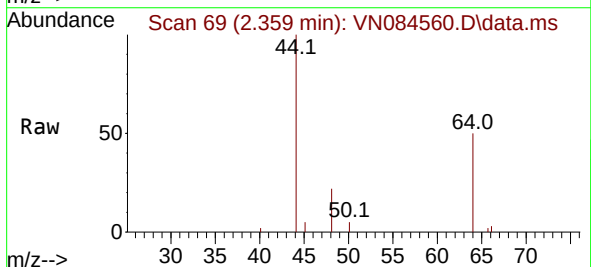


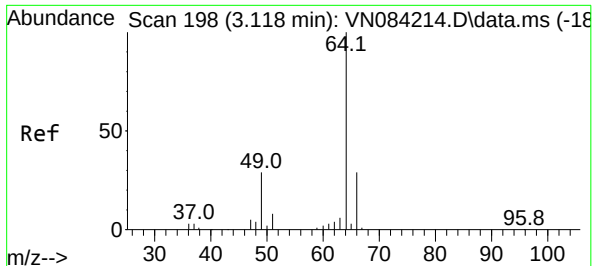
Tgt Ion:168 Resp: 165016
Ion Ratio Lower Upper
168 100
99 61.6 54.2 81.2



#3
Chloromethane
Concen: 0.375 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 50 Resp: 835
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

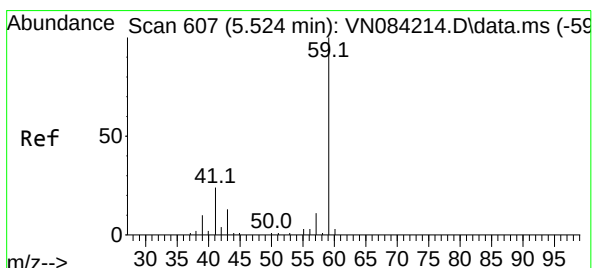
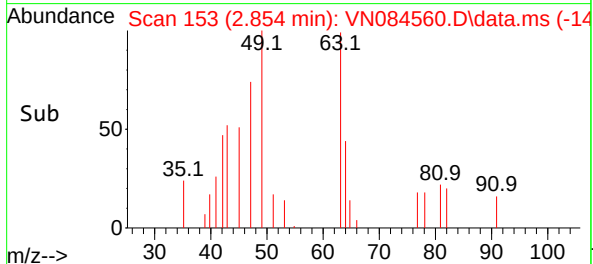
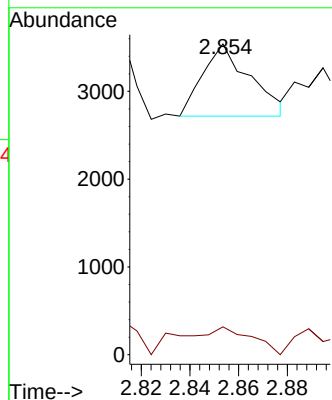
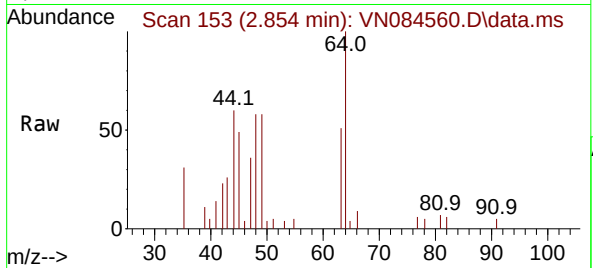




#6
Chloroethane
Concen: 0.715 ug/l
RT: 2.854 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

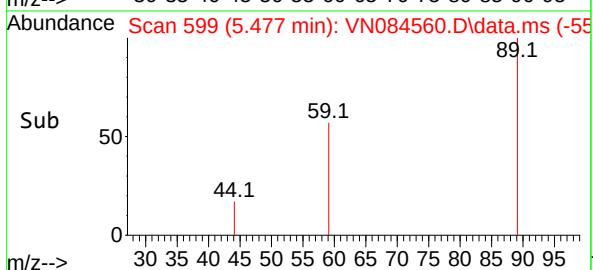
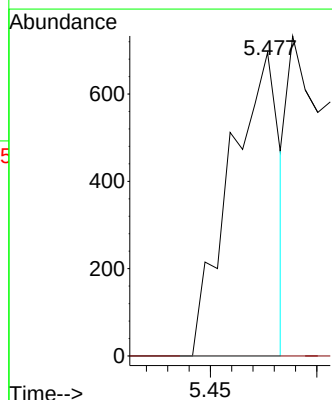
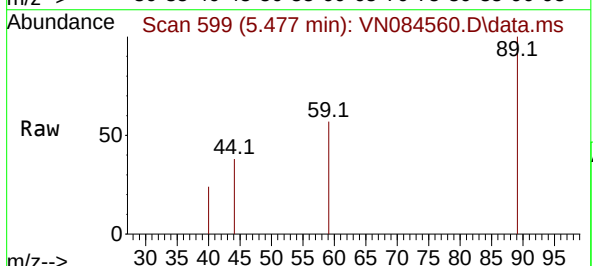
Instrument :
MSVOA_N
ClientSampleId :

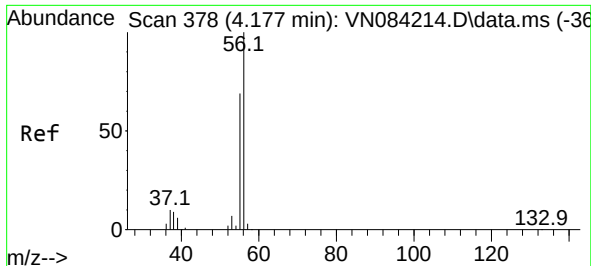
Tgt Ion: 64 Resp: 1105
Ion Ratio Lower Upper
64 100
66 38.6 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.749 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.047 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 59 Resp: 1109
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

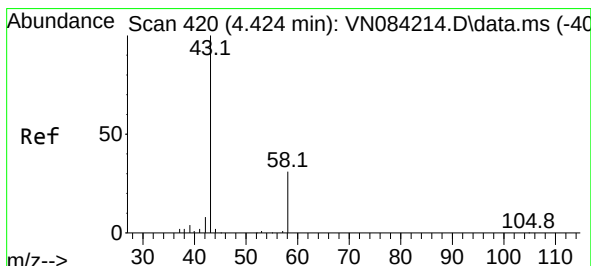
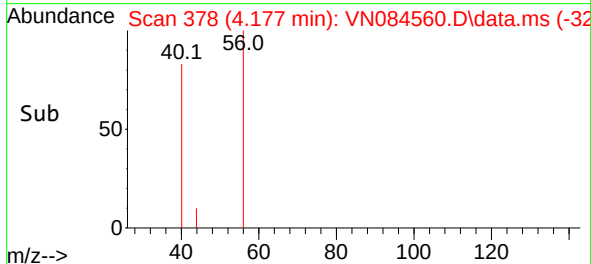
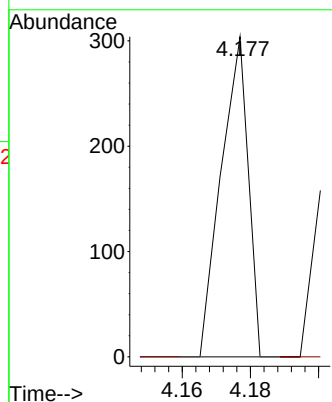
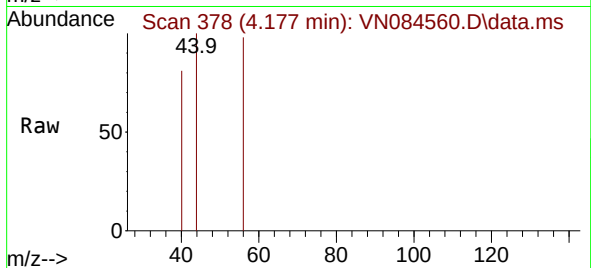




#13
Acrolein
Concen: 0.363 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

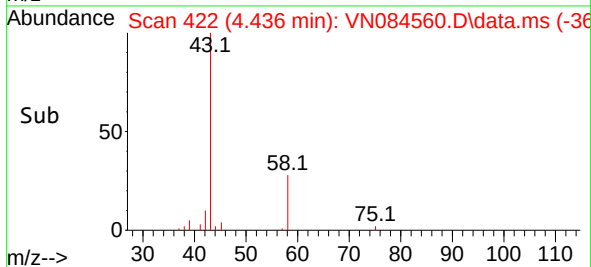
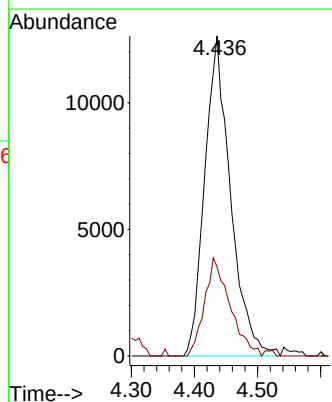
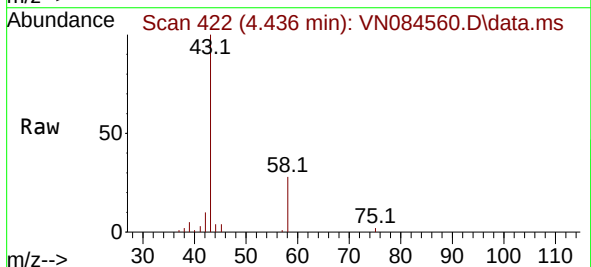
Instrument :
MSVOA_N
ClientSampleId :

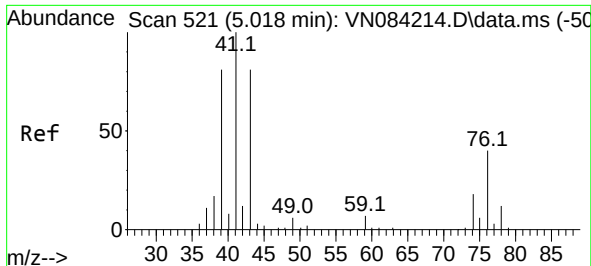
Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 34.076 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 43 Resp: 35815
Ion Ratio Lower Upper
43 100
58 27.8 24.4 36.6

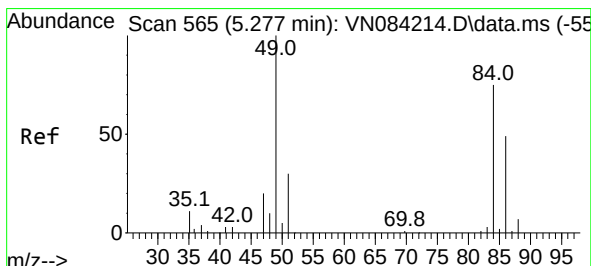
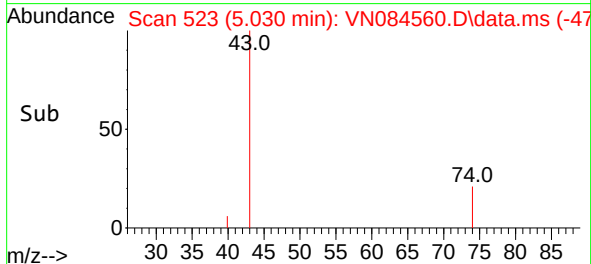
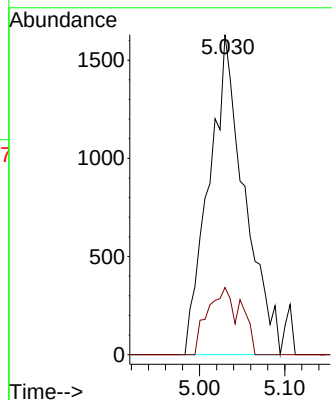
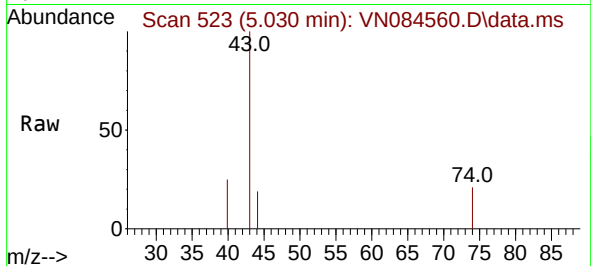




#18
Methyl Acetate
Concen: 2.060 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

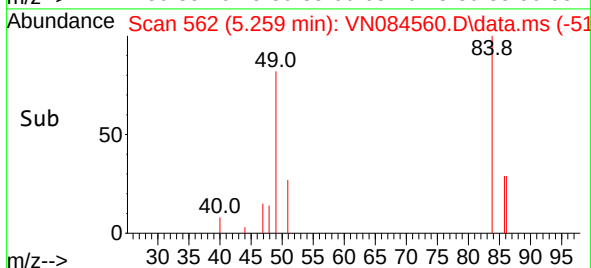
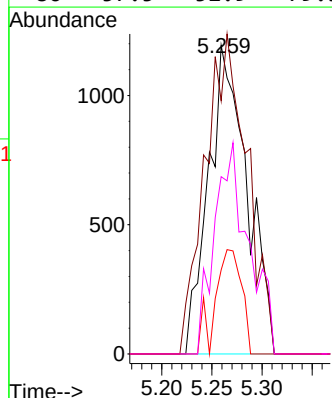
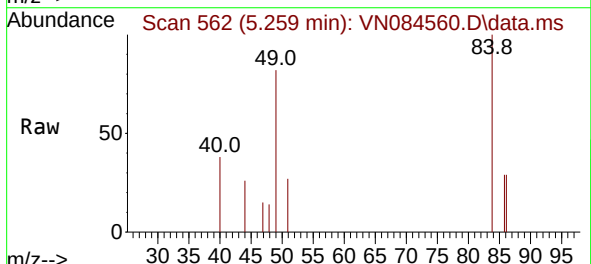
Instrument :
MSVOA_N
ClientSampleId :

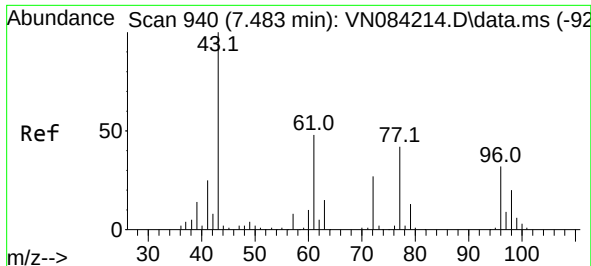
Tgt Ion: 43 Resp: 4718
Ion Ratio Lower Upper
43 100
74 14.6 19.2 28.8#



#20
Methylene Chloride
Concen: 1.495 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 84 Resp: 3195
Ion Ratio Lower Upper
84 100
49 82.1 107.2 160.8#
51 27.2 31.8 47.8#
86 57.5 52.9 79.3

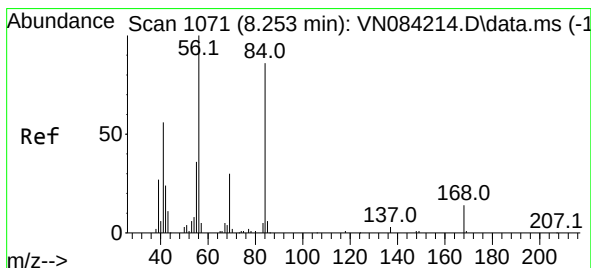
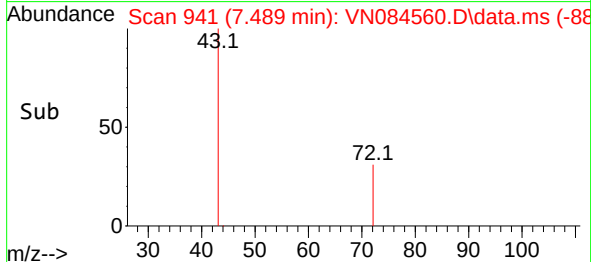
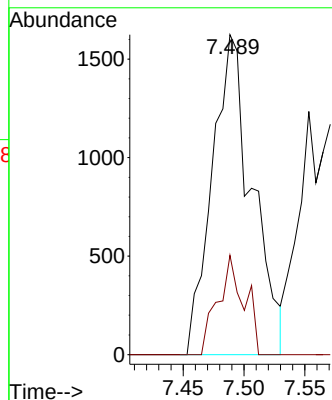
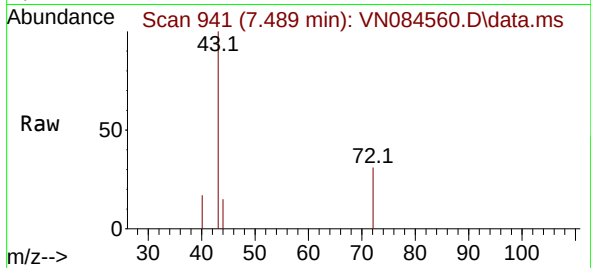




#25
2-Butanone
Concen: 2.592 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

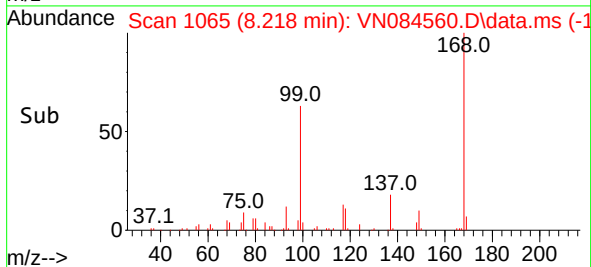
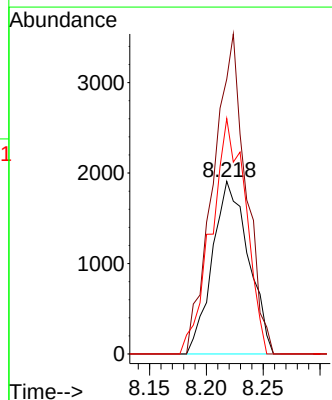
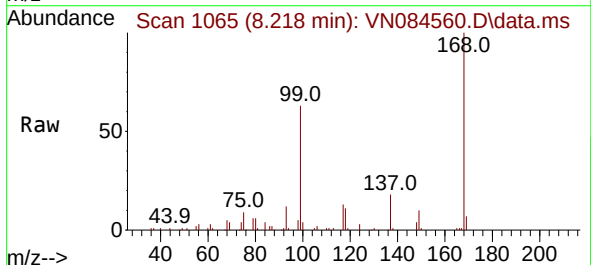
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MSVOA_N
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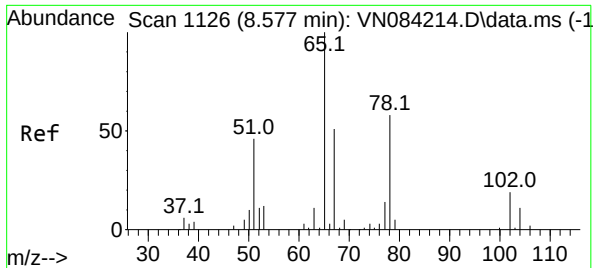
Tgt Ion: 43 Resp: 3710
Ion Ratio Lower Upper
43 100
72 31.0 21.4 32.2



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 56 Resp: 4220
Ion Ratio Lower Upper
56 100
69 159.3 23.8 35.6#
84 136.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.209 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

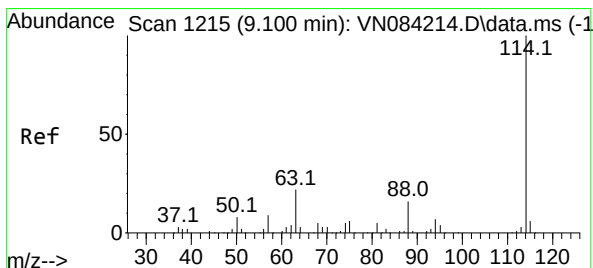
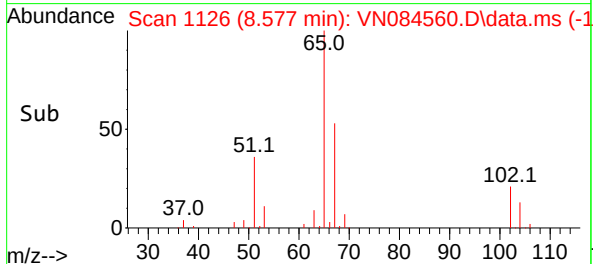
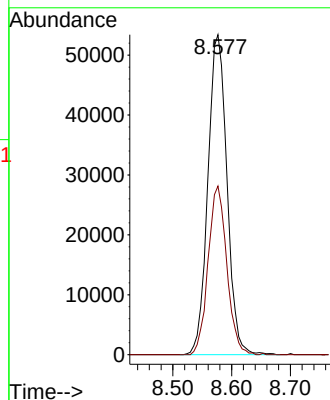
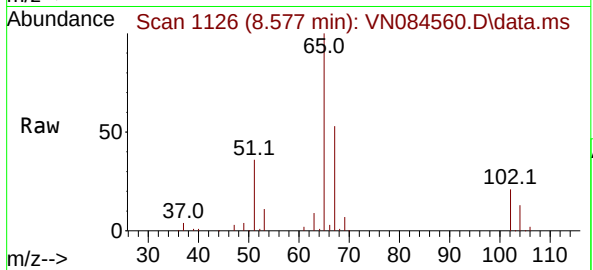
ClientSampleId :

Tgt Ion: 65 Resp: 120399

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

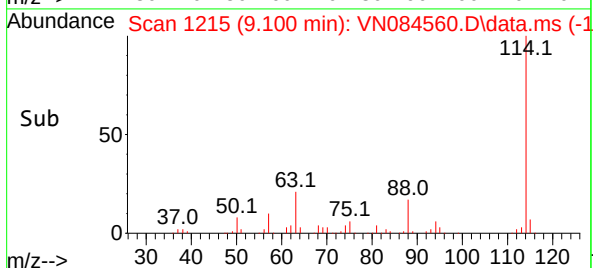
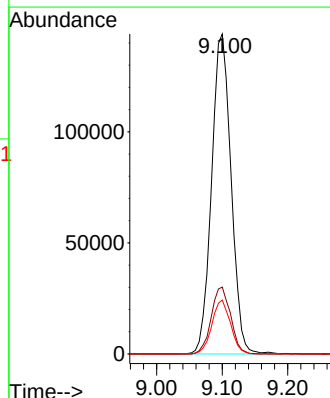
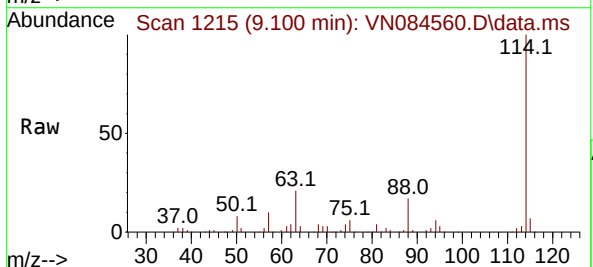
Tgt Ion: 114 Resp: 297195

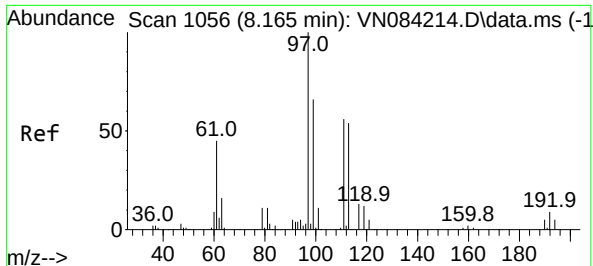
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.443 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

ClientSampleId :

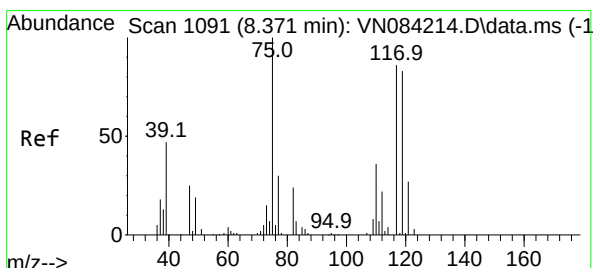
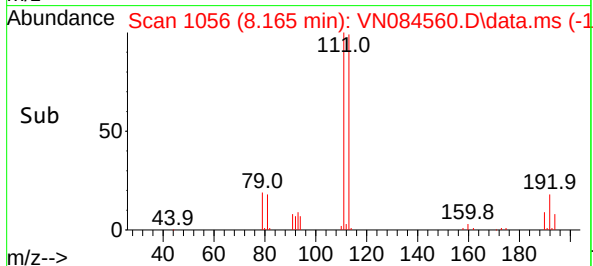
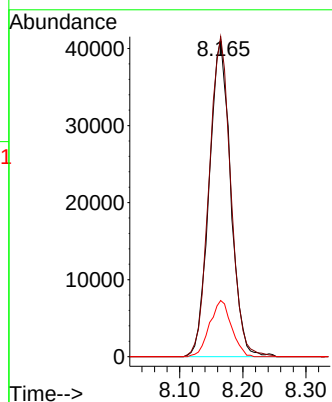
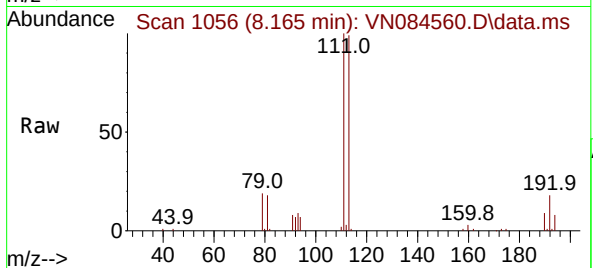
Tgt Ion:113 Resp: 96874

Ion Ratio Lower Upper

113 100

111 101.9 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

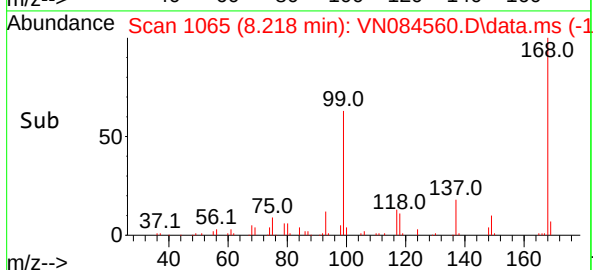
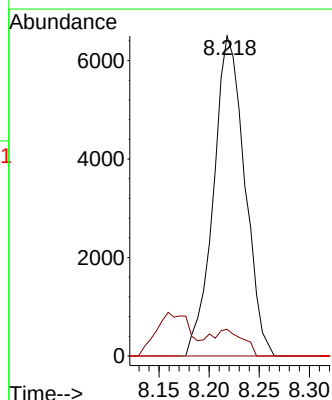
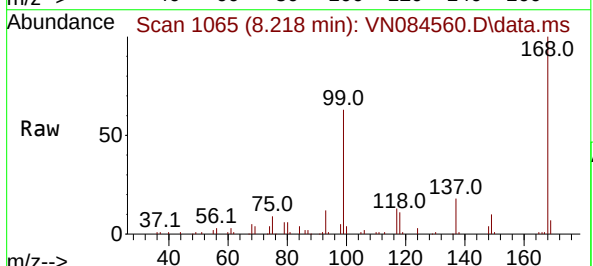
Tgt Ion: 75 Resp: 14086

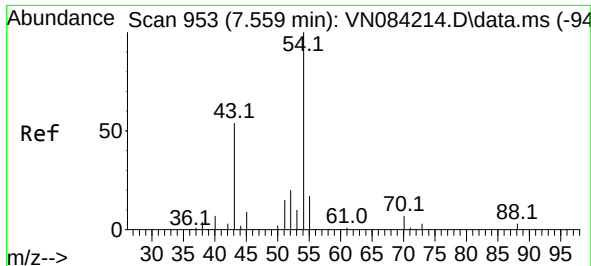
Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.317 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

ClientSampleId :

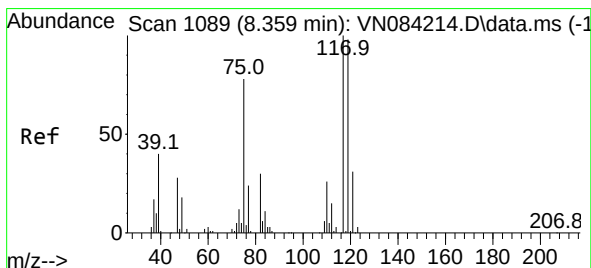
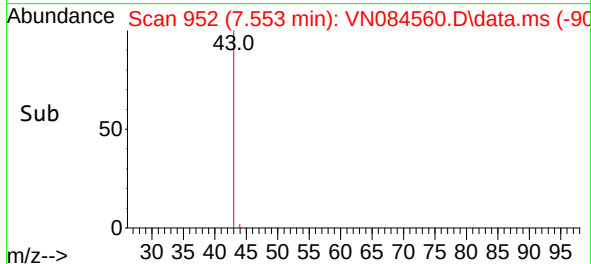
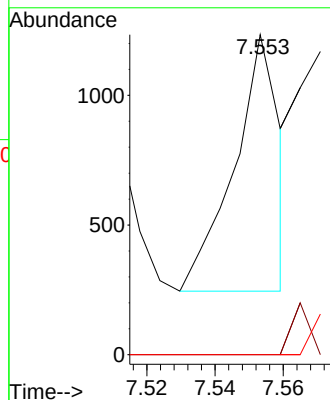
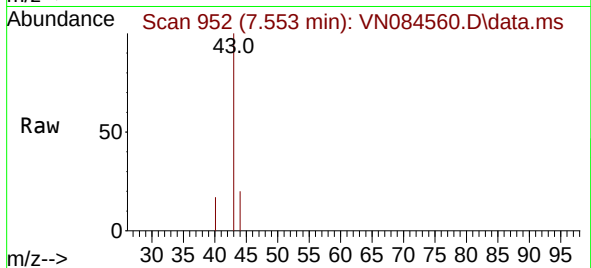
Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

61 7.7 10.7 16.1#

70 5.9 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

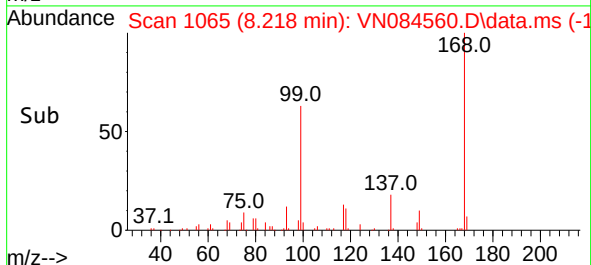
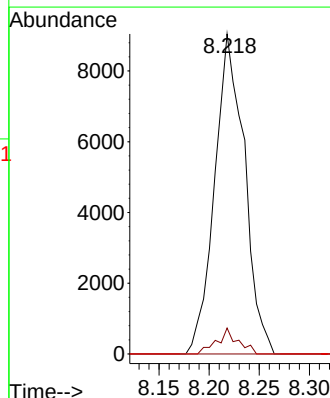
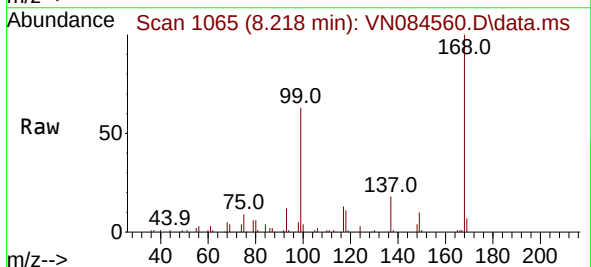
Tgt Ion: 117 Resp: 18746

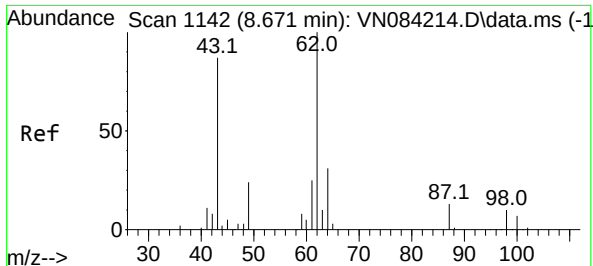
Ion Ratio Lower Upper

117 100

119 8.1 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.227 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

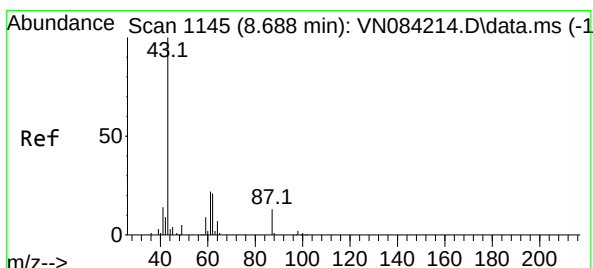
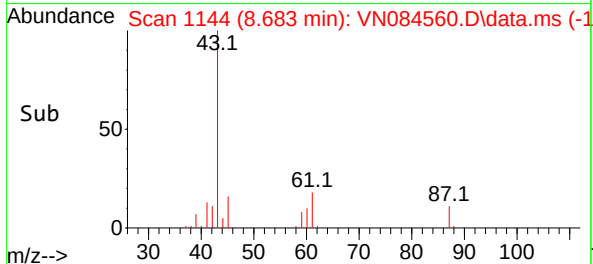
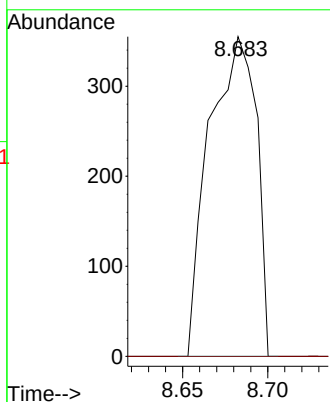
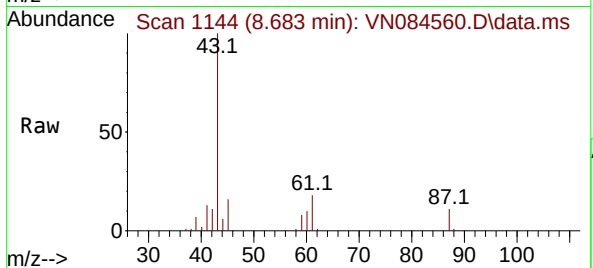
ClientSampleId :

Tgt Ion: 62 Resp: 682

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 27.440 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

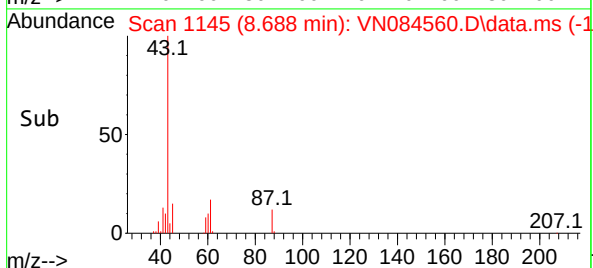
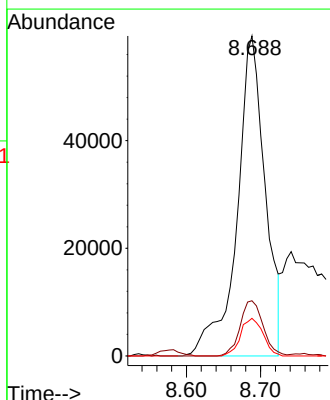
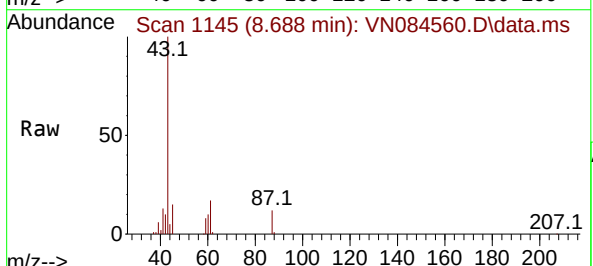
Tgt Ion: 43 Resp: 156925

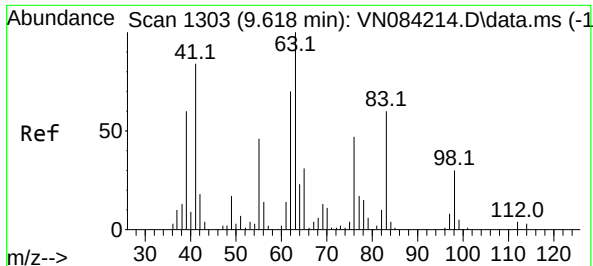
Ion Ratio Lower Upper

43 100

61 14.1 20.4 30.6#

87 9.4 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.591 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

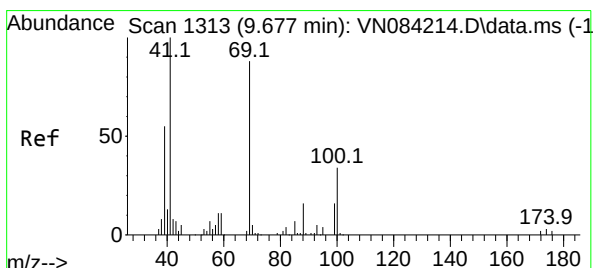
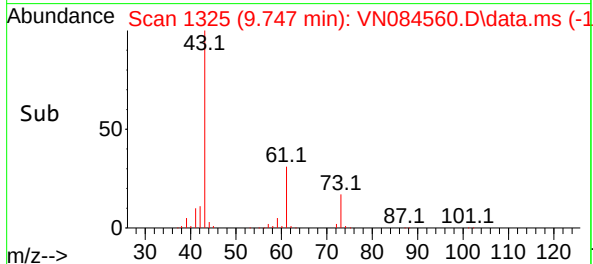
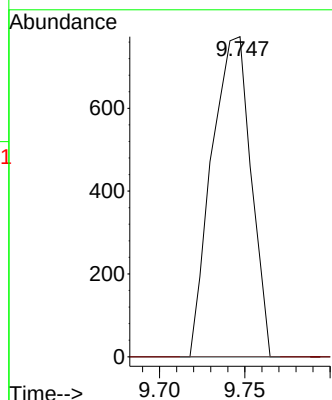
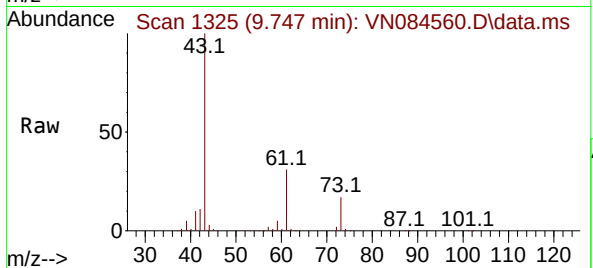
ClientSampleId :

Tgt Ion: 63 Resp: 1240

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 40.231 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

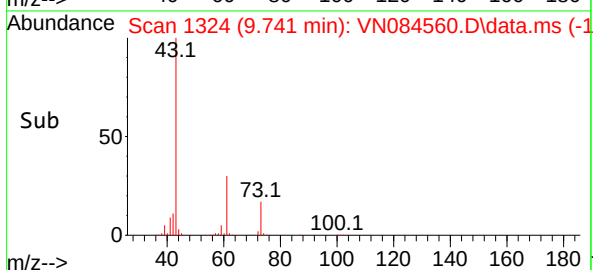
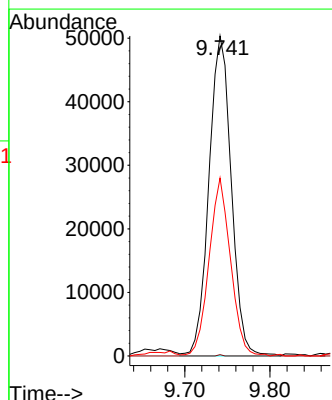
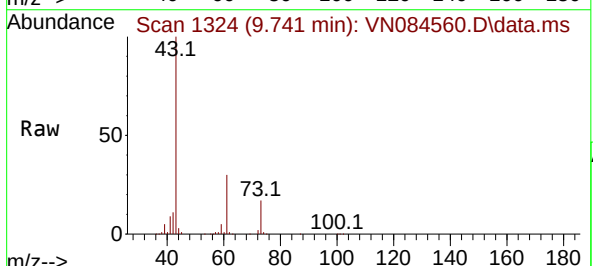
Tgt Ion: 41 Resp: 91587

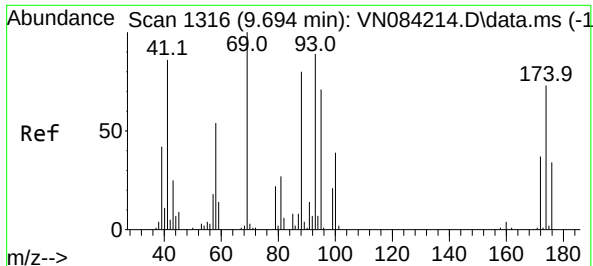
Ion Ratio Lower Upper

41 100

69 0.1 67.1 100.7#

39 53.5 45.8 68.6





#49

1,4-Dioxane

Concen: 2.792 ug/l

RT: 9.747 min Scan# 1316

Delta R.T. 0.053 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

ClientSampleId :

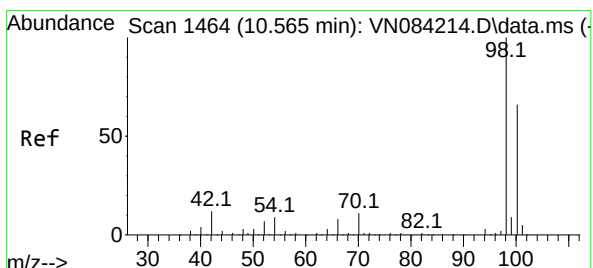
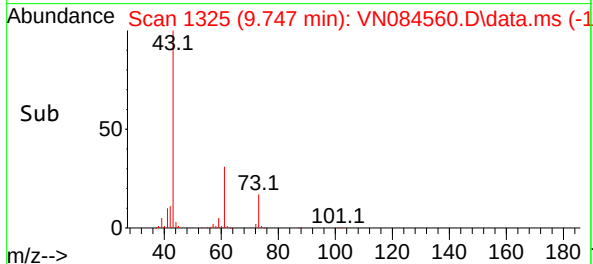
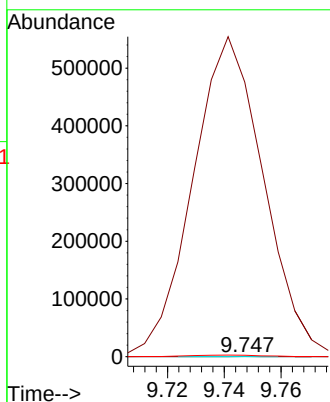
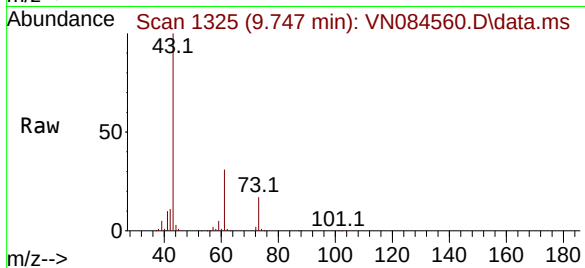
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 826796.6 25.3 37.9#

58 4482.1 56.4 84.6#



#50

Toluene-d8

Concen: 49.697 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084560.D

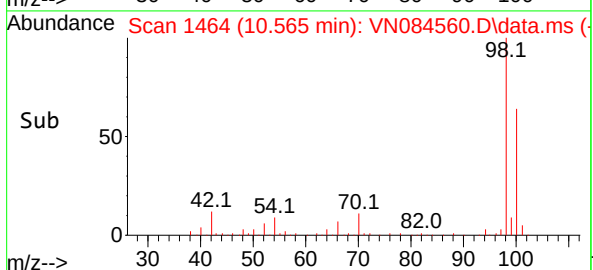
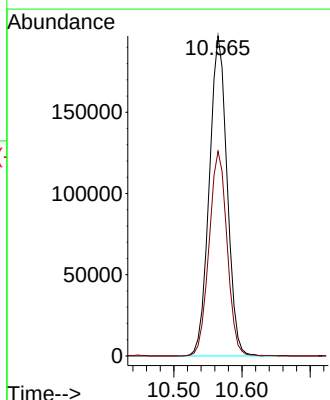
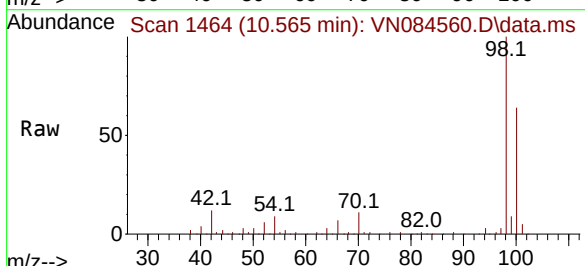
Acq: 29 Oct 2024 13:41

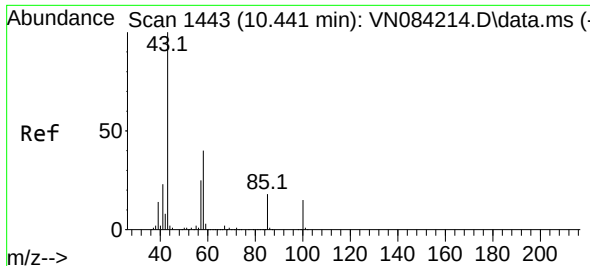
Tgt Ion: 98 Resp: 358238

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1

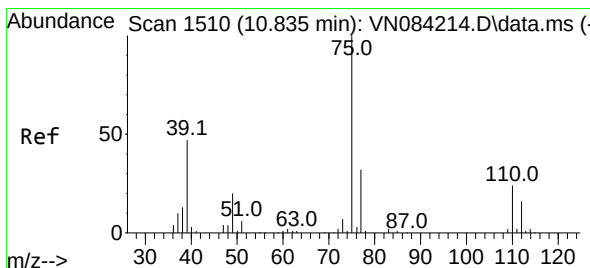
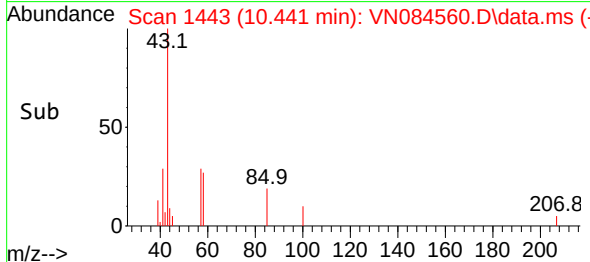
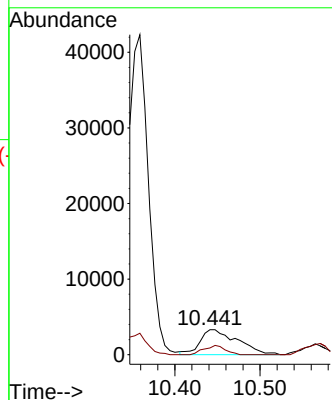
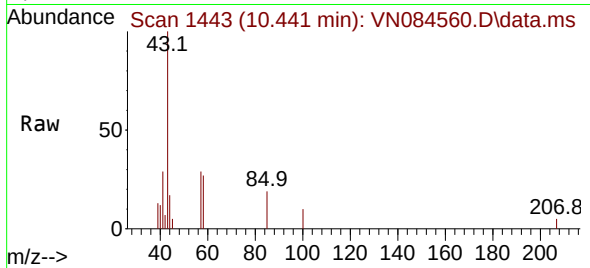




#51
4-Methyl-2-Pentanone
Concen: 3.642 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

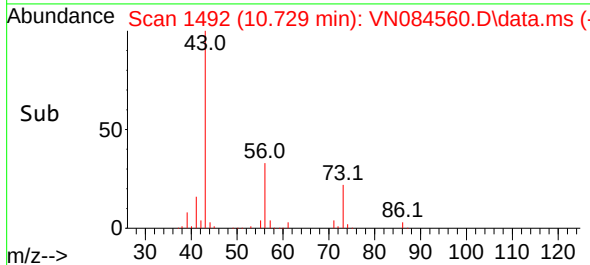
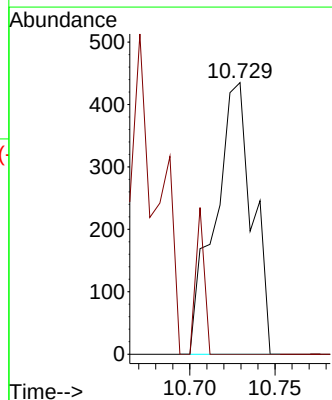
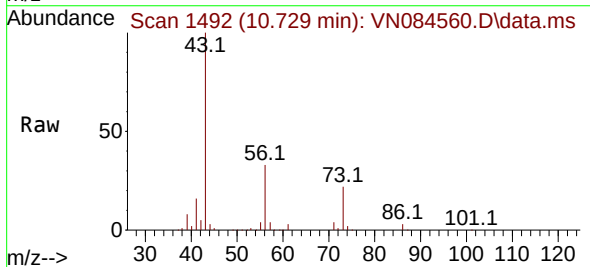
Instrument :
MSVOA_N
ClientSampleId :

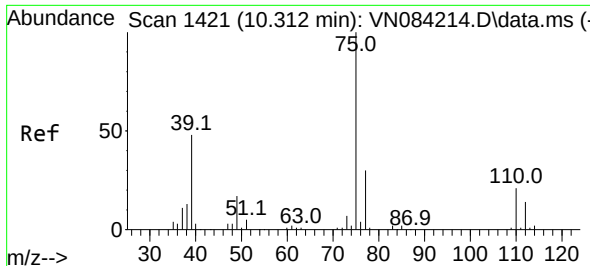
Tgt Ion: 43 Resp: 10123
Ion Ratio Lower Upper
43 100
58 21.0 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.207 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 75 Resp: 664
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

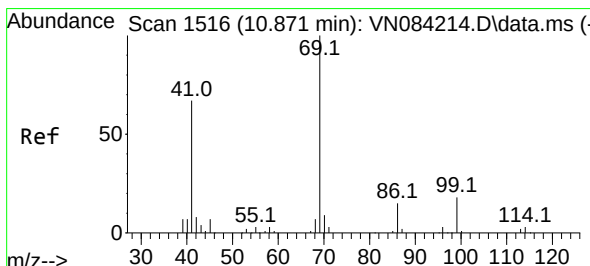
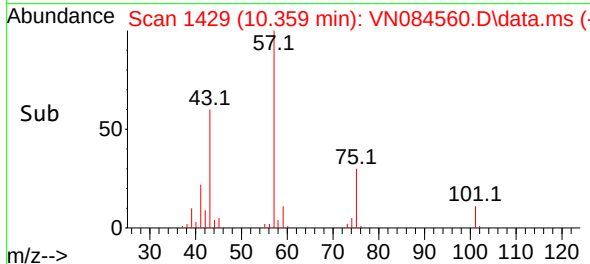
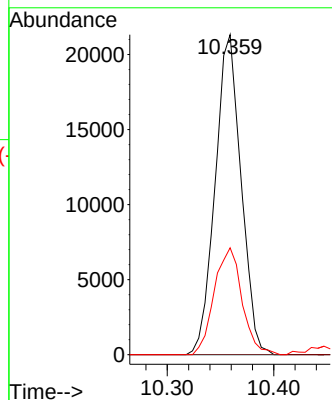
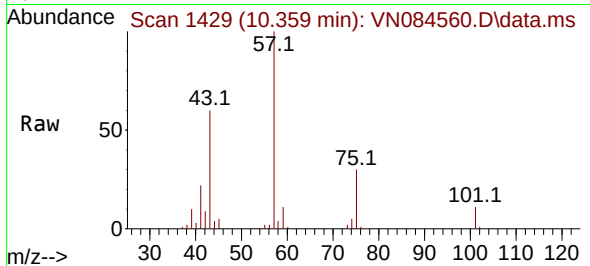




#54
 cis-1,3-Dichloropropene
 Concen: 10.439 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084560.D
 Acq: 29 Oct 2024 13:41

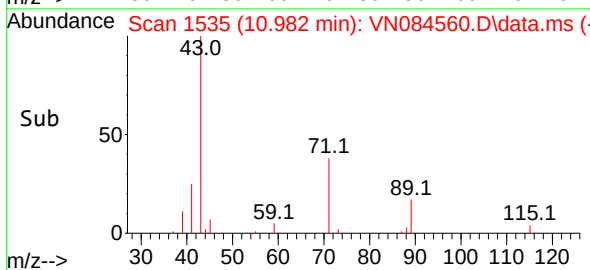
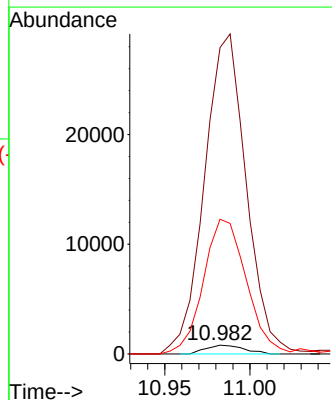
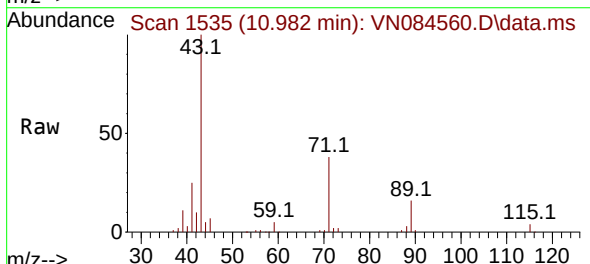
Instrument :
 MSVOA_N
 ClientSampleId :

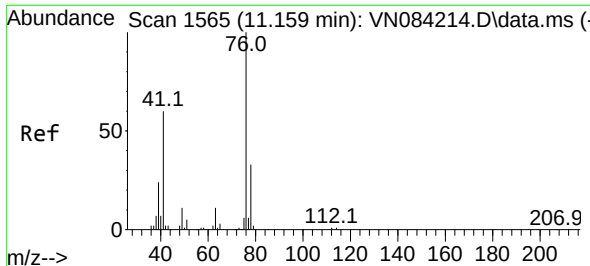
Tgt Ion: 75 Resp: 35994
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 33.4 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.388 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084560.D
 Acq: 29 Oct 2024 13:41

Tgt Ion: 69 Resp: 1239
 Ion Ratio Lower Upper
 69 100
 41 4016.4 53.3 79.9#
 39 1733.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.398 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Instrument :

MSVOA_N

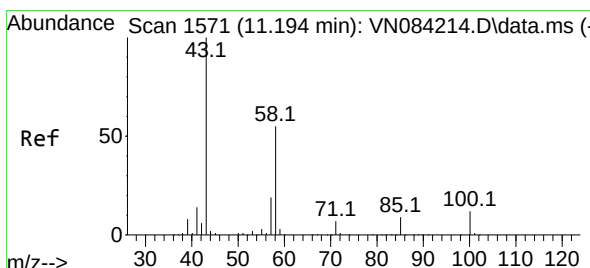
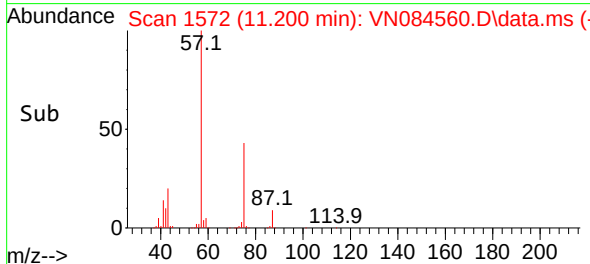
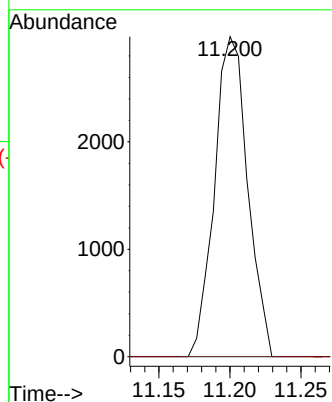
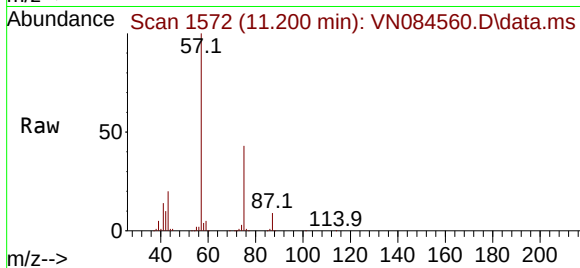
ClientSampleId :

Tgt Ion: 76 Resp: 4843

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 27.644 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084560.D

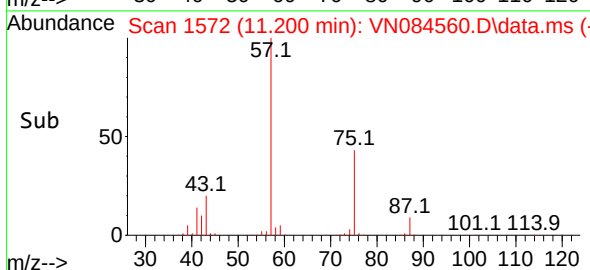
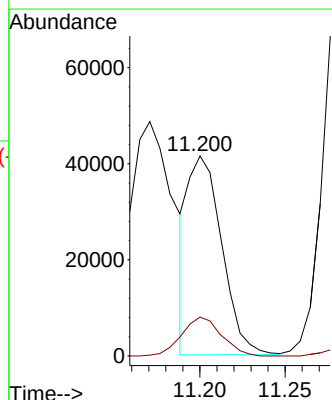
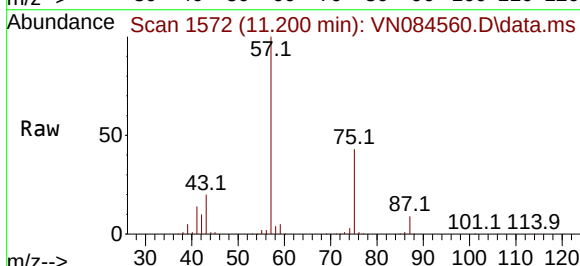
Acq: 29 Oct 2024 13:41

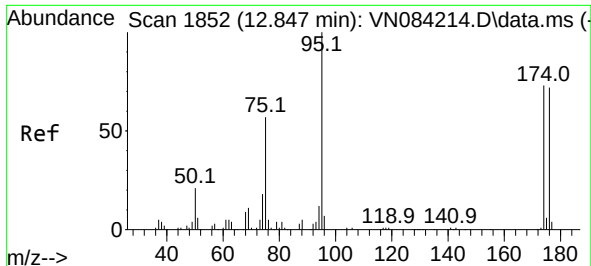
Tgt Ion: 43 Resp: 57427

Ion Ratio Lower Upper

43 100

58 22.8 27.3 81.8#

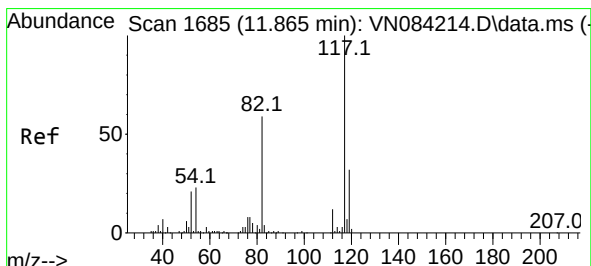
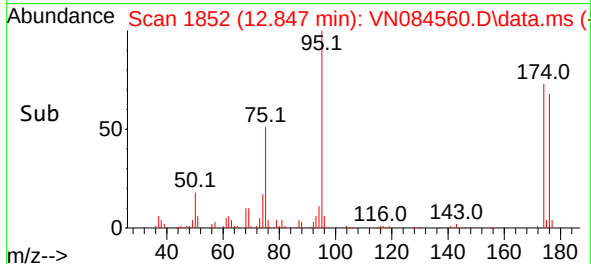
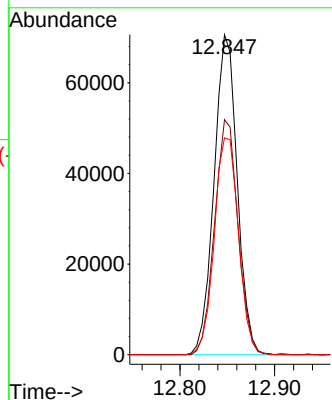
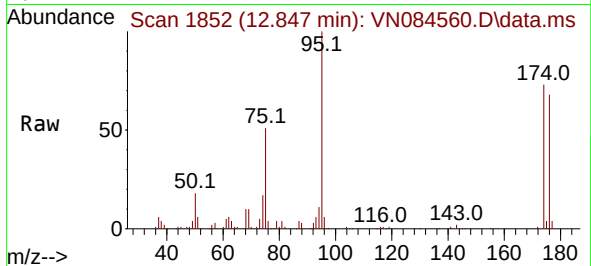




#62
4-Bromofluorobenzene
Concen: 45.753 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

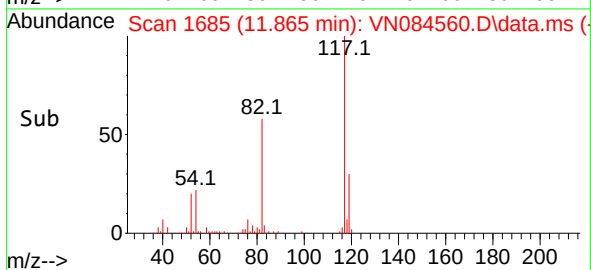
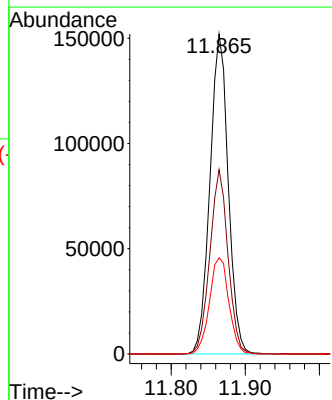
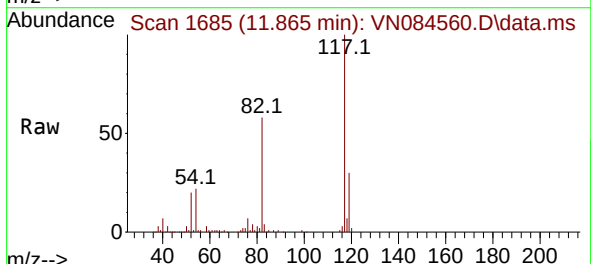
Instrument :
MSVOA_N
ClientSampleId :

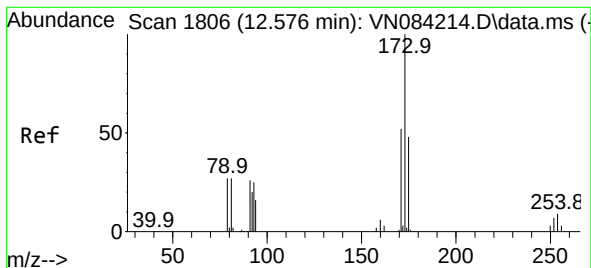
Tgt Ion: 95 Resp: 120153
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.2
176 70.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Tgt Ion: 117 Resp: 260549
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 30.1 25.4 38.0





#71

Bromoform

Concen: 0.351 ug/l

RT: 12.835 min Scan# 11

Delta R.T. 0.259 min

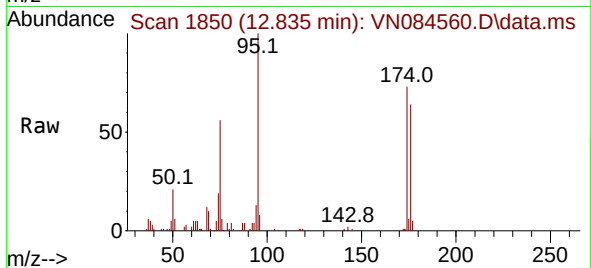
Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

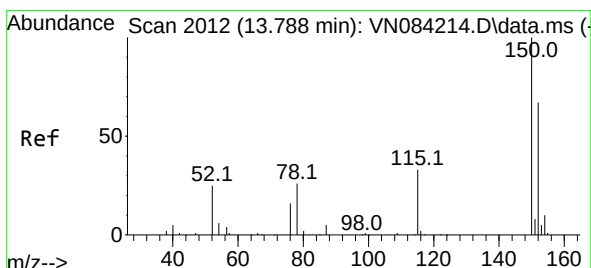
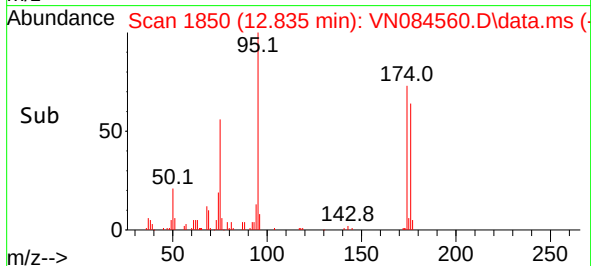
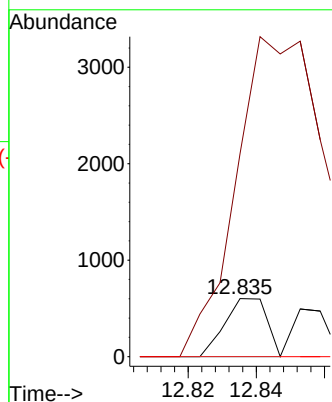
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	514
Ion Ratio	Lower	Upper	
173	100		
175	670.6	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

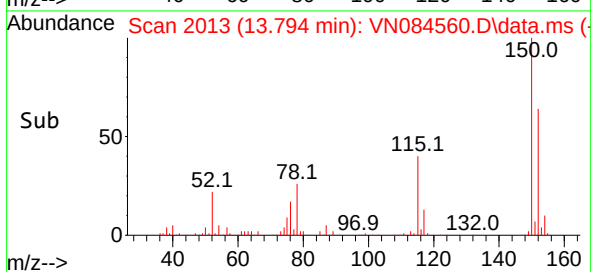
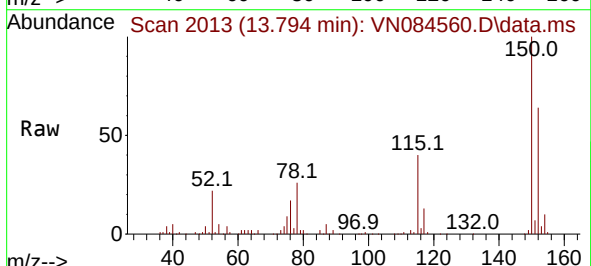
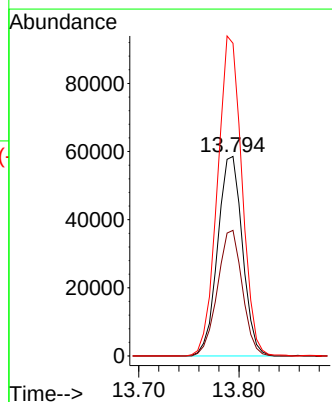
RT: 13.794 min Scan# 2013

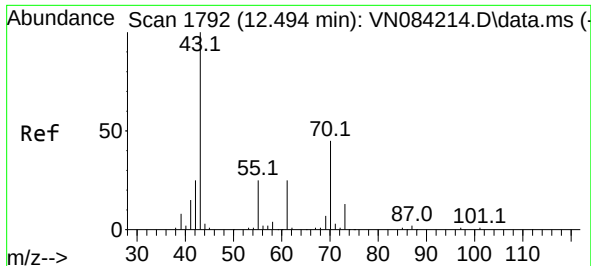
Delta R.T. 0.006 min

Lab File: VN084560.D

Acq: 29 Oct 2024 13:41

Tgt Ion:	152	Resp:	100300
Ion Ratio	Lower	Upper	
152	100		
115	63.0	31.3	93.9
150	158.5	0.0	349.8

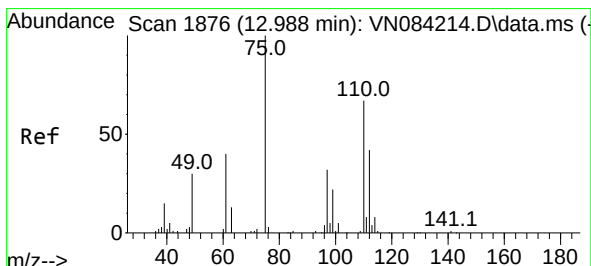
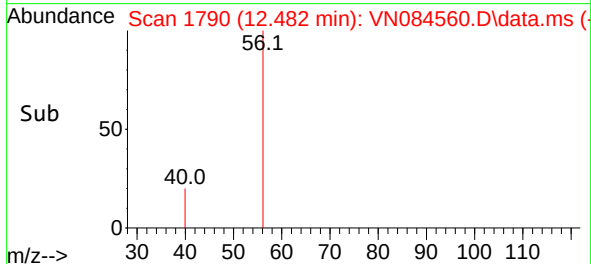
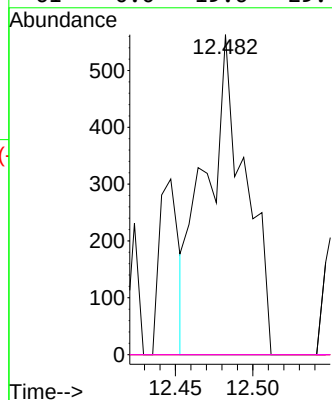
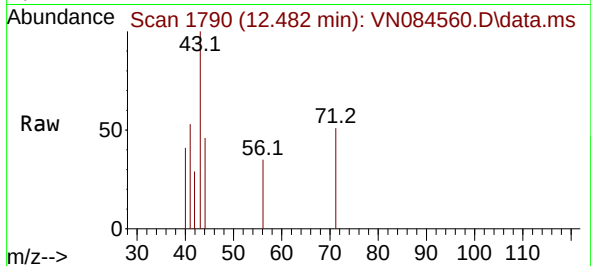




#74
N-amy1 acetate
Concen: 0.291 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

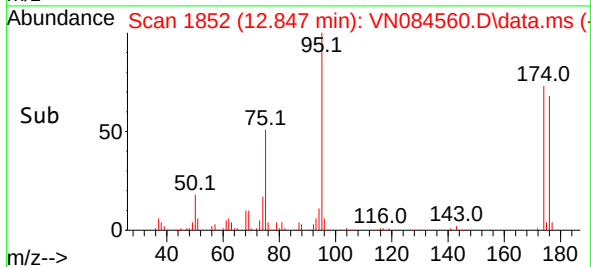
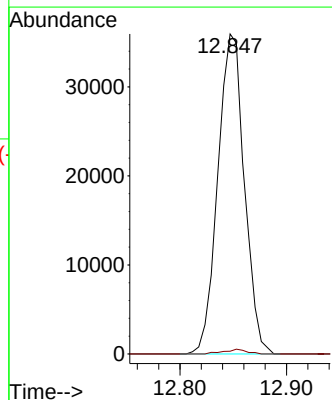
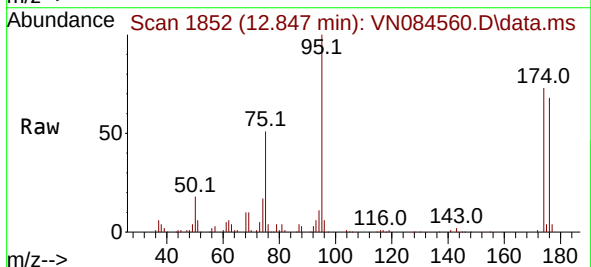
Instrument :
MSVOA_N
ClientSampleId :

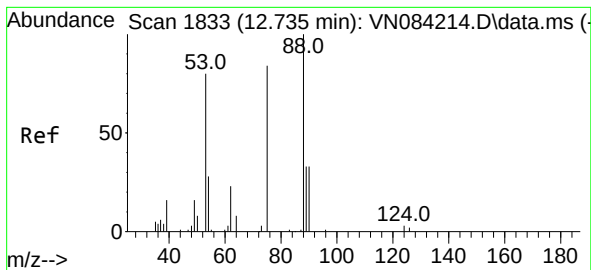
Tgt Ion: 43	Resp: 1008
Ion Ratio	Lower Upper
43	100
70	0.0 34.4 51.6#
55	0.0 19.6 29.4#
61	0.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 30.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

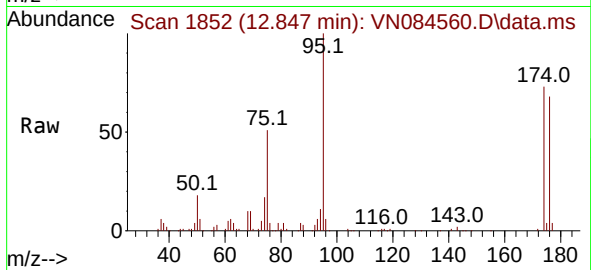
Tgt Ion: 75	Resp: 62074
Ion Ratio	Lower Upper
75	100
77	1.3 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.678 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084560.D
Acq: 29 Oct 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 62074
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

