

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084597.D
 Acq On : 31 Oct 2024 03:45
 Operator : JC\MD
 Sample : P4611-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Nov 01 05:19:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

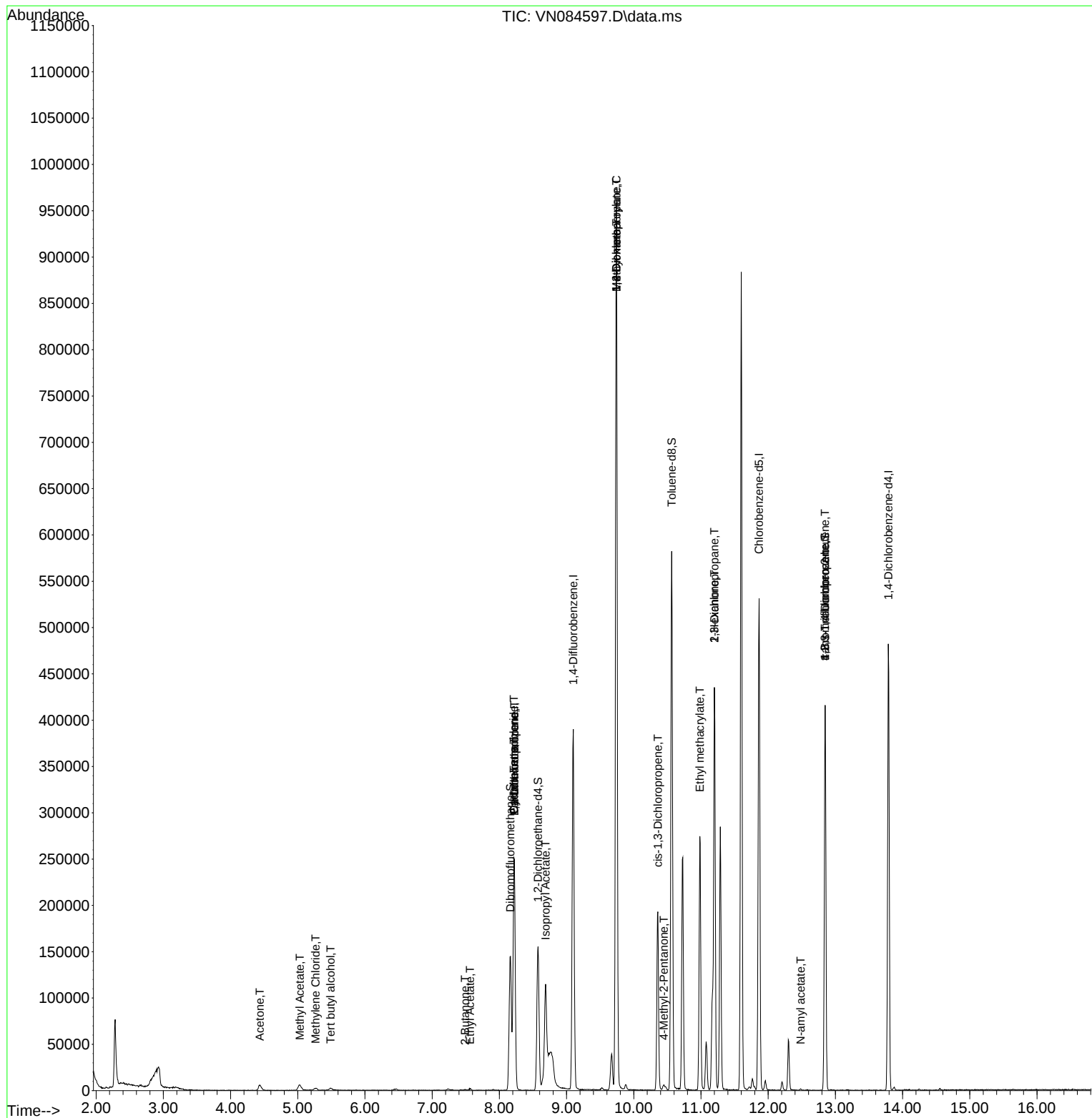
Internal Standards						
1) Pentafluorobenzene	8.224	168	178326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132054	51.271	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.540%	
35) Dibromofluoromethane	8.165	113	105936	47.715	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	95.420%	
50) Toluene-d8	10.565	98	393704	48.139	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.280%	
62) 4-Bromofluorobenzene	12.847	95	142351	46.572	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	93.140%	
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	1153	Below Cal		96
6) Chloroethane	3.148	64	452	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	2185	6.427	ug/l #	73
16) Acetone	4.436	43	12086	13.547	ug/l	91
18) Methyl Acetate	5.030	43	13193	0.937	ug/l	98
20) Methylene Chloride	5.265	84	1797	0.793	ug/l #	69
25) 2-Butanone	7.488	43	1347	1.121	ug/l #	48
31) Cyclohexane	8.218	56	4083	1.148	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	15548	5.049	ug/l #	50
37) Ethyl Acetate	7.565	43	2785	0.997	ug/l #	88
38) Carbon Tetrachloride	8.218	117	19508	5.668	ug/l #	17
43) Isopropyl Acetate	8.688	43	145377	27.738	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1139	0.491	ug/l #	44
48) Methyl methacrylate	9.741	41	83506	38.407	ug/l #	42
49) 1,4-Dioxane	9.741	88	57	1.479	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7838	2.943	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	34674	9.173	ug/l #	64
56) Ethyl methacrylate	10.982	69	1390	0.441	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4302	1.151	ug/l #	42
59) 2-Hexanone	11.200	43	53126	27.406	ug/l #	56
74) N-amyl acetate	12.482	43	888	0.232	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74008	28.854	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74008	68.454	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	54	Below Cal	#	24

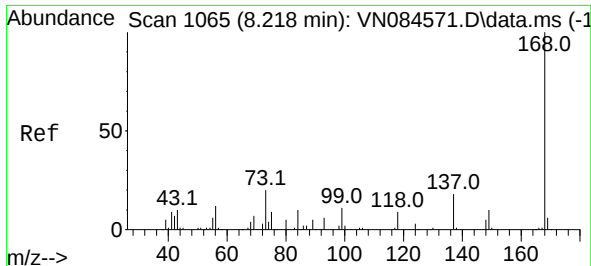
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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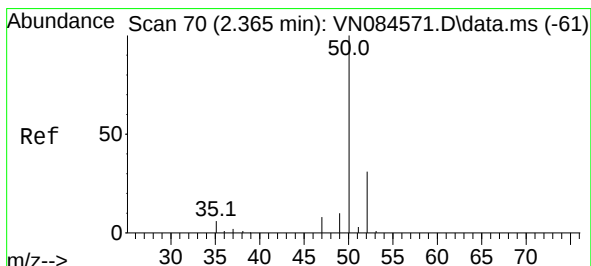
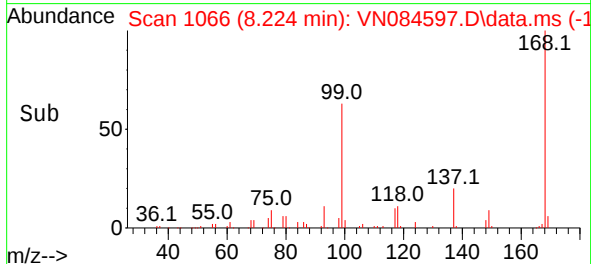
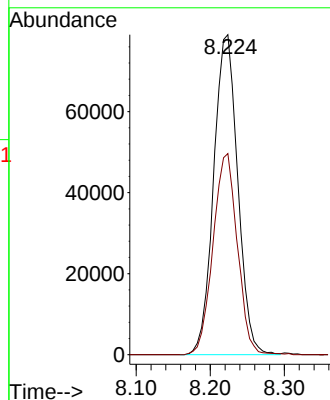
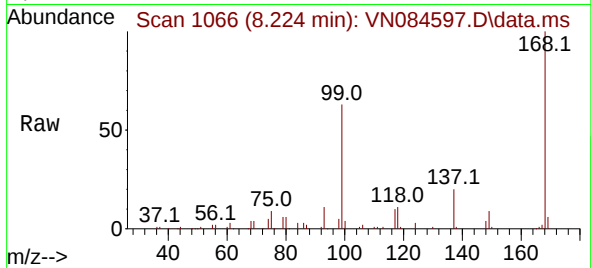




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

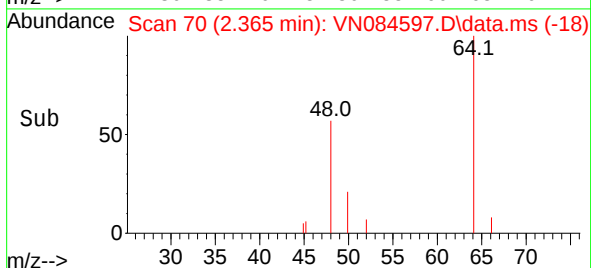
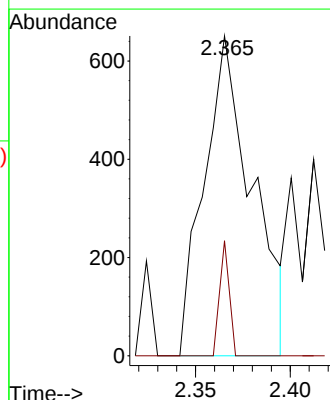
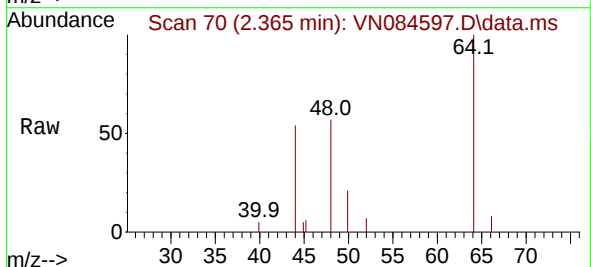
Instrument :
MSVOA_N
ClientSampleId :
TP-2

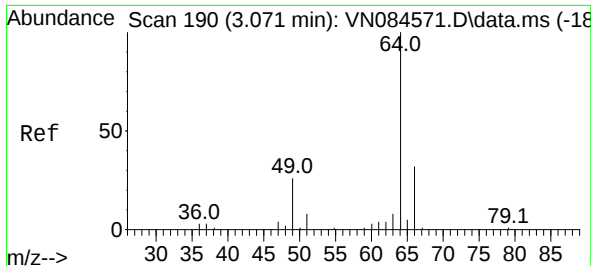
Tgt Ion:168 Resp: 178326
Ion Ratio Lower Upper
168 100
99 62.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 50 Resp: 1153
Ion Ratio Lower Upper
50 100
52 35.9 26.8 40.2

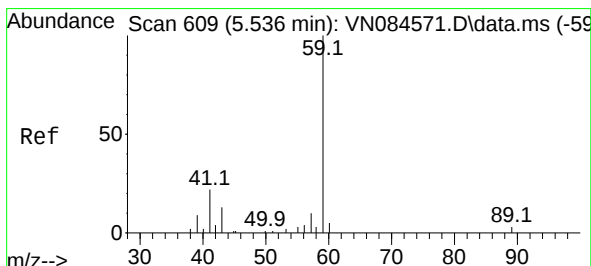
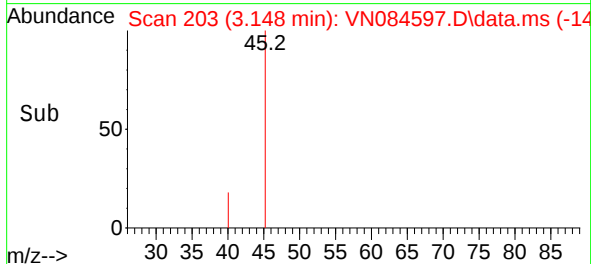
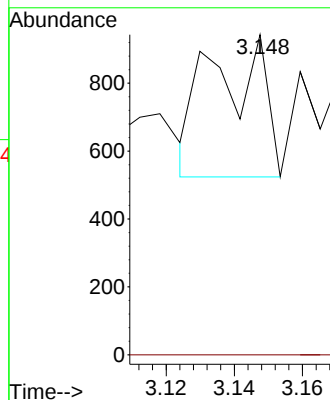
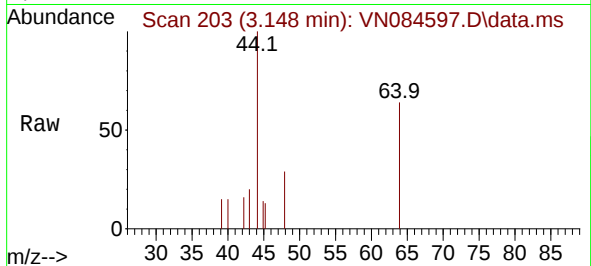




#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

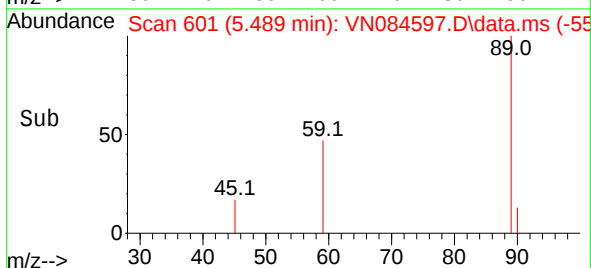
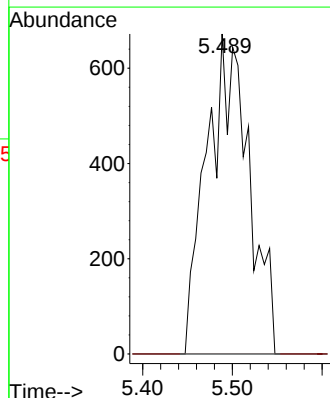
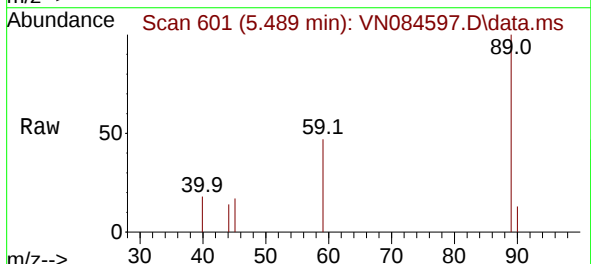
Instrument :
MSVOA_N
ClientSampleId :
TP-2

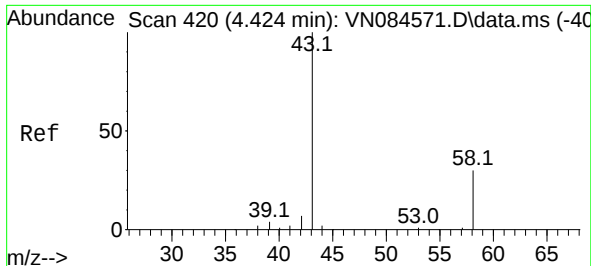
Tgt Ion: 64 Resp: 452
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.427 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 59 Resp: 2185
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

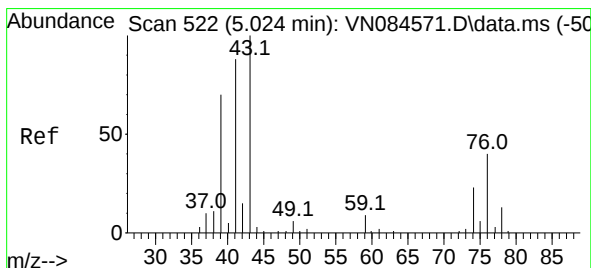
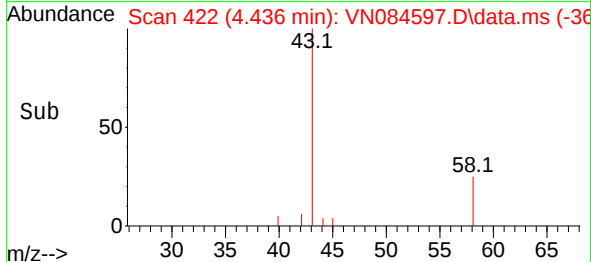
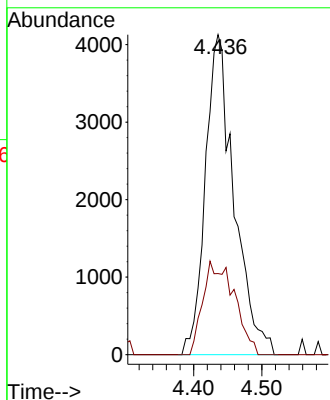
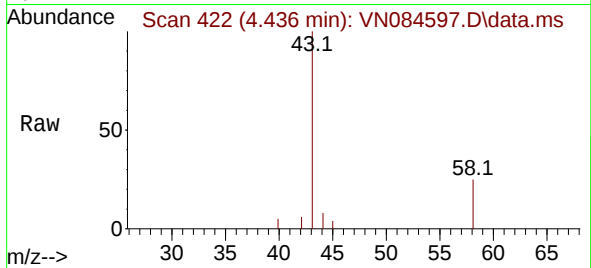




#16
Acetone
Concen: 13.547 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

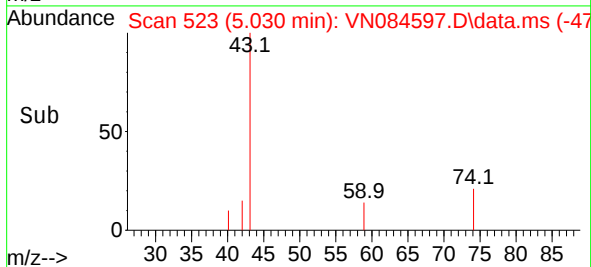
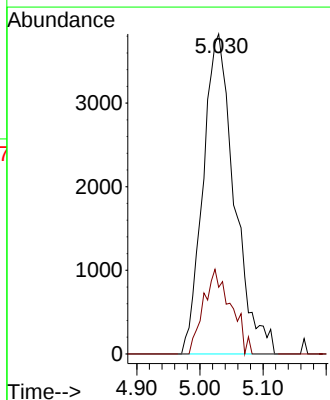
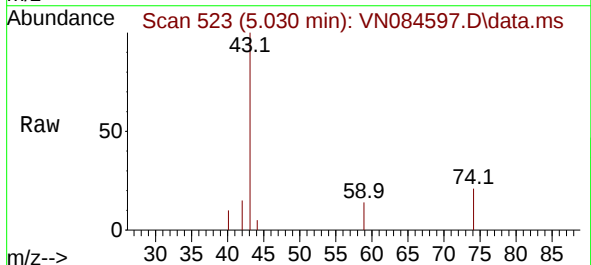
Instrument :
MSVOA_N
ClientSampleId :
TP-2

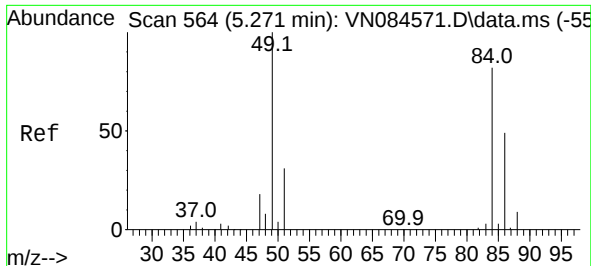
Tgt Ion: 43 Resp: 12086
Ion Ratio Lower Upper
43 100
58 25.4 24.4 36.6



#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 43 Resp: 13193
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8





#20

Methylene Chloride

Concen: 0.793 ug/l

RT: 5.265 min Scan# 5

Delta R.T. -0.012 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tgt Ion: 84 Resp: 1797

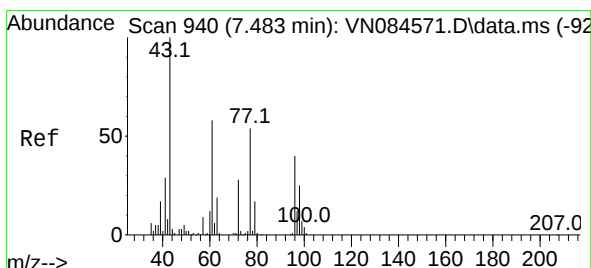
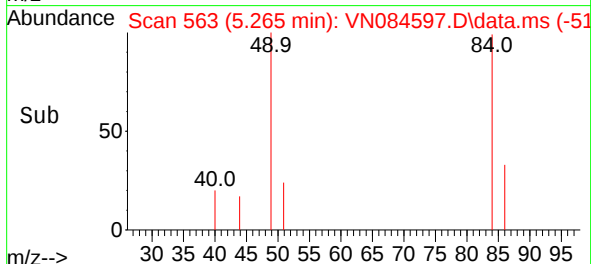
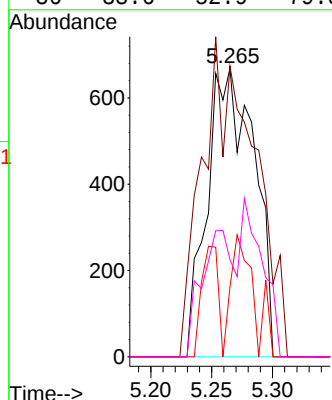
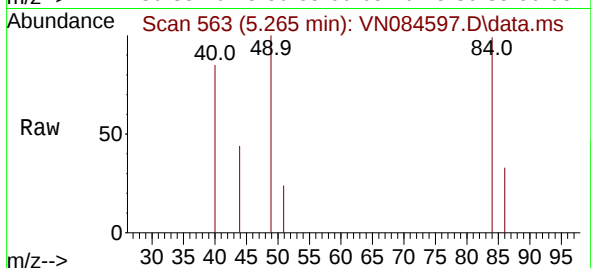
Ion Ratio Lower Upper

84 100

49 100.7 107.2 160.8#

51 24.2 31.8 47.8#

86 33.6 52.9 79.3#



#25

2-Butanone

Concen: 1.121 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN084597.D

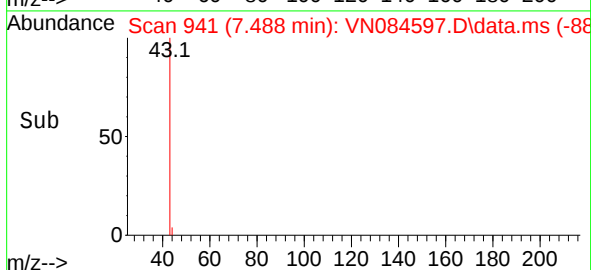
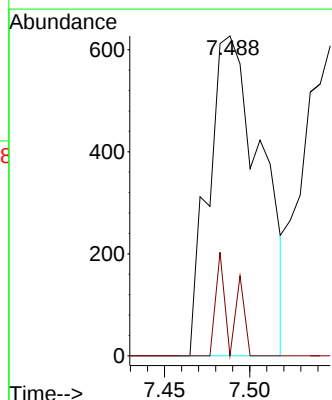
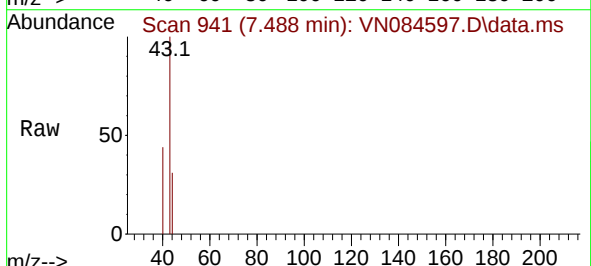
Acq: 31 Oct 2024 03:45

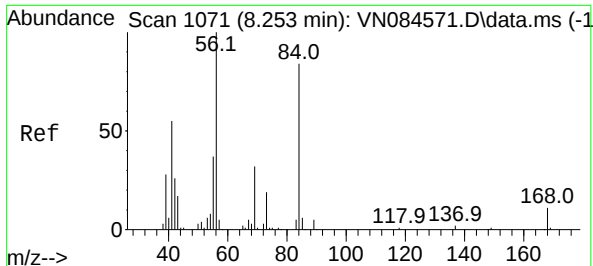
Tgt Ion: 43 Resp: 1347

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

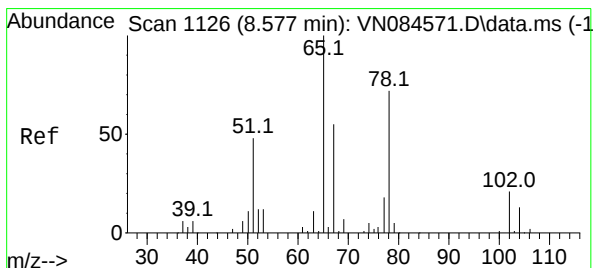
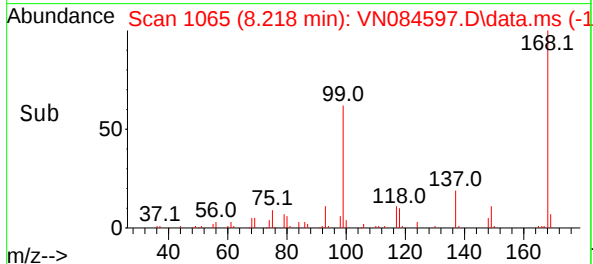
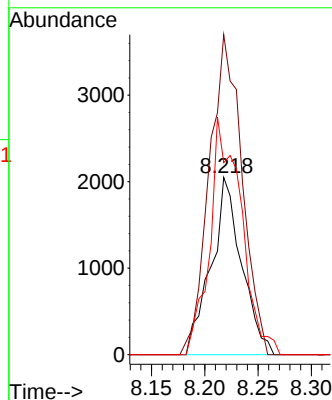
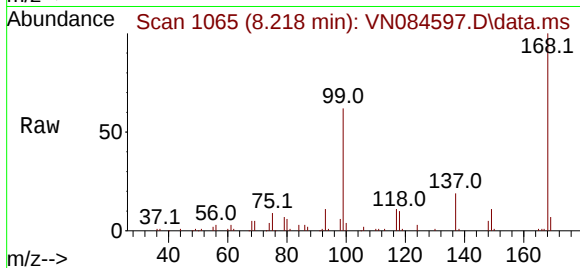
Tgt Ion: 56 Resp: 4083

Ion Ratio Lower Upper

56 100

69 180.5 23.8 35.6#

84 108.3 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 51.271 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084597.D

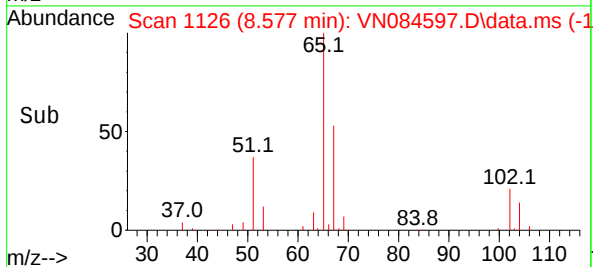
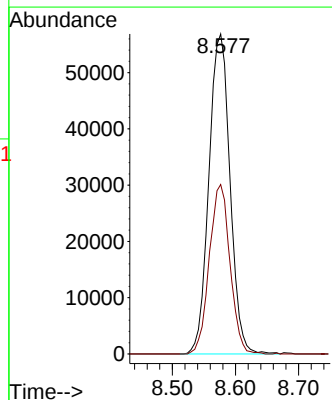
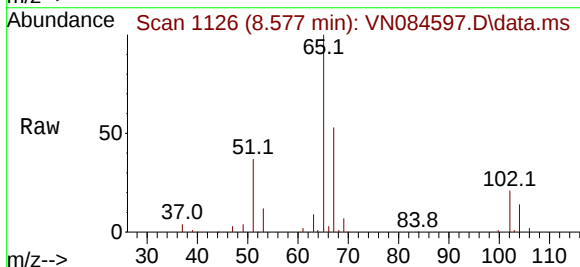
Acq: 31 Oct 2024 03:45

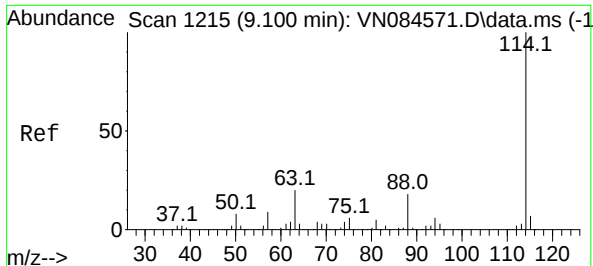
Tgt Ion: 65 Resp: 132054

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.0

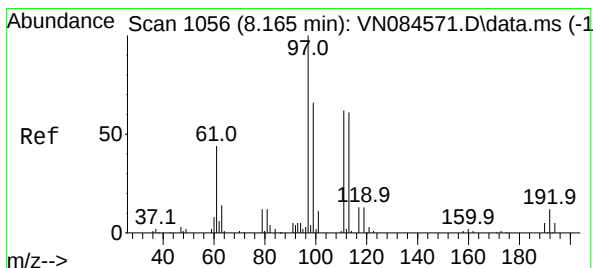
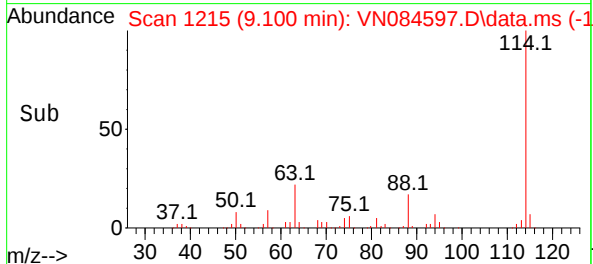
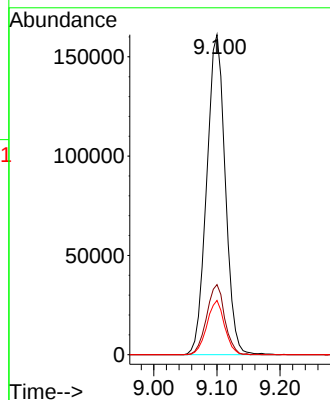
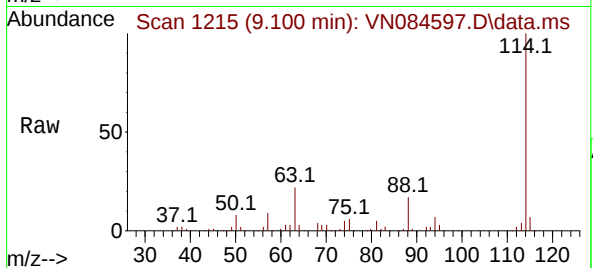




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

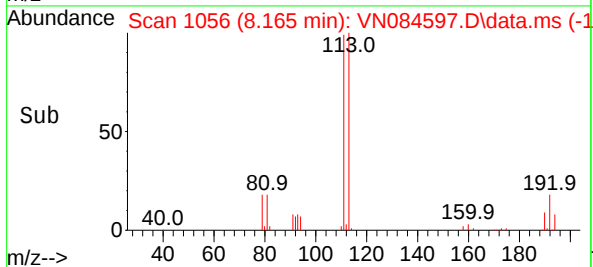
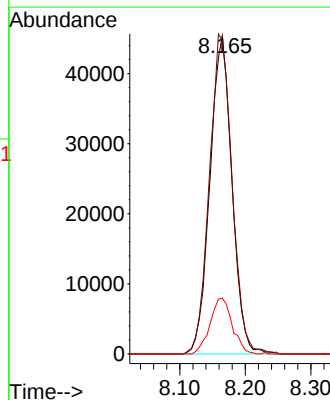
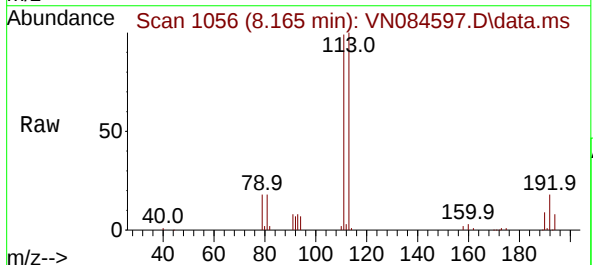
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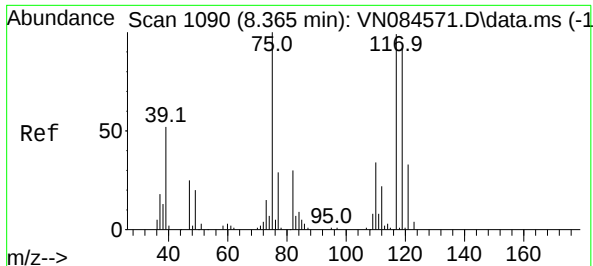
Tgt Ion:114 Resp: 328004
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.8
88 16.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.715 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion:113 Resp: 105936
Ion Ratio Lower Upper
113 100
111 103.5 83.3 124.9
192 17.7 13.5 20.3

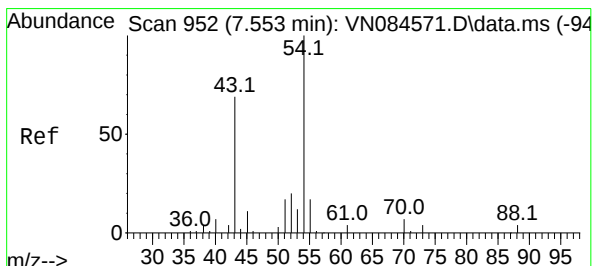
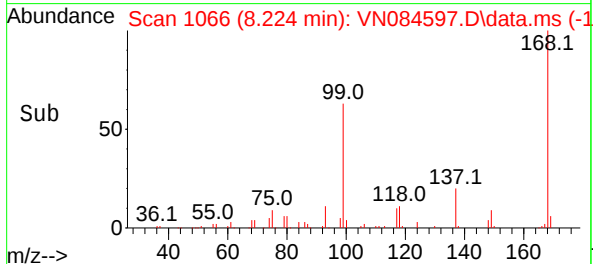
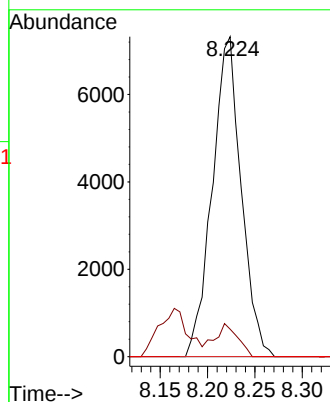
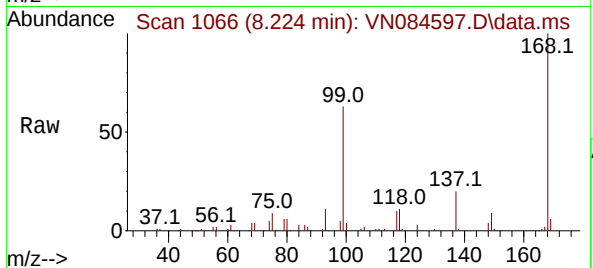




#36
1,1-Dichloropropene
Concen: 5.049 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

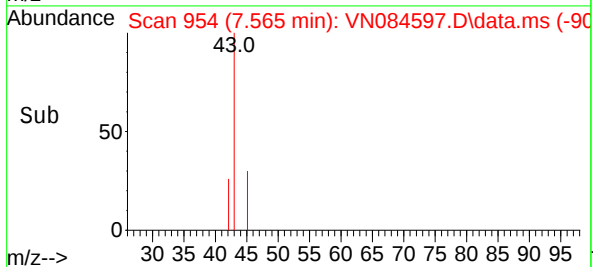
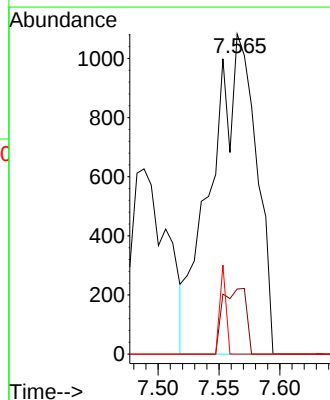
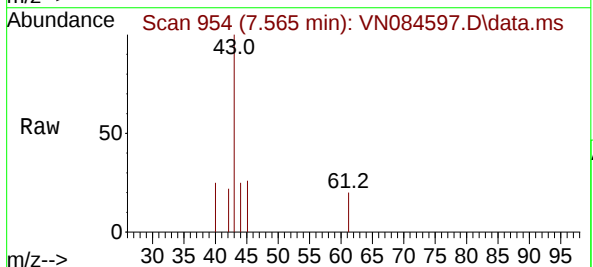
Instrument :
MSVOA_N
ClientSampleId :
TP-2

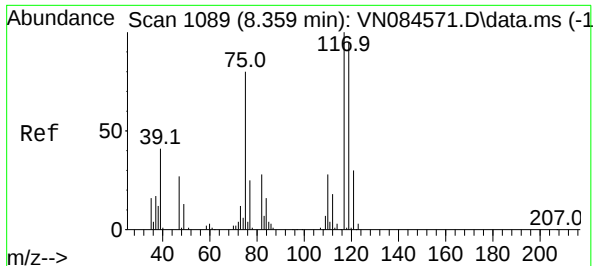
Tgt Ion: 75 Resp: 15548
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.997 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
61 10.6 10.7 16.1#
70 3.8 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.668 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

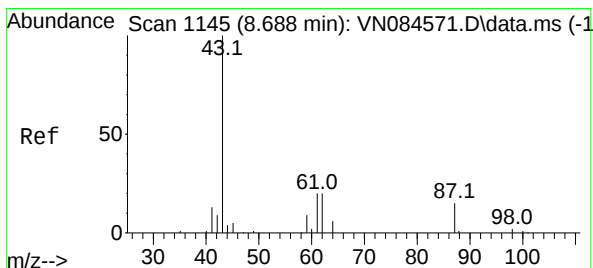
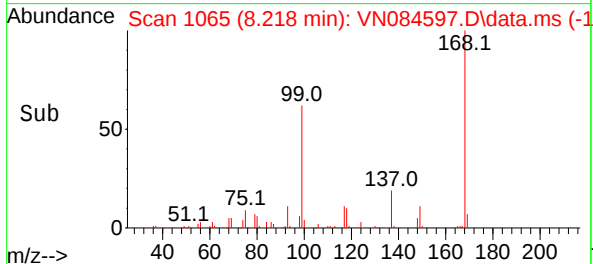
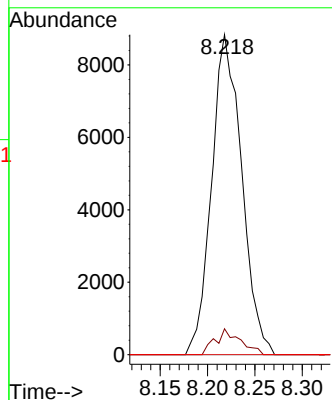
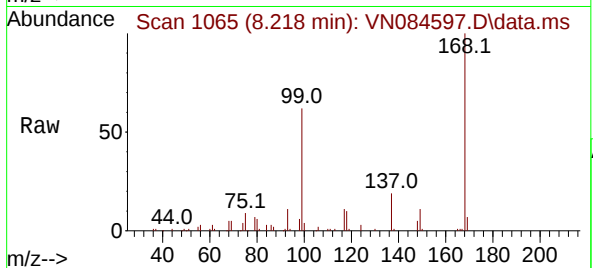
Tgt Ion:117 Resp: 19508

Ion Ratio Lower Upper

117 100

119 8.1 78.7 118.1#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 27.738 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

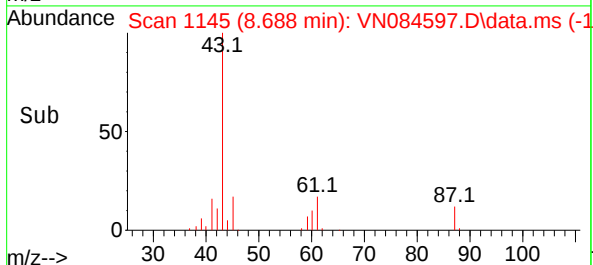
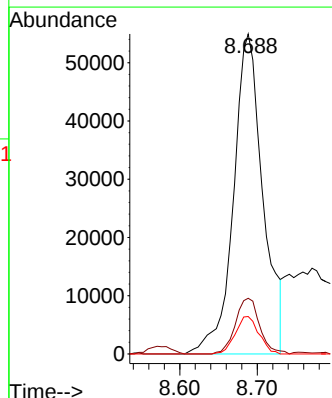
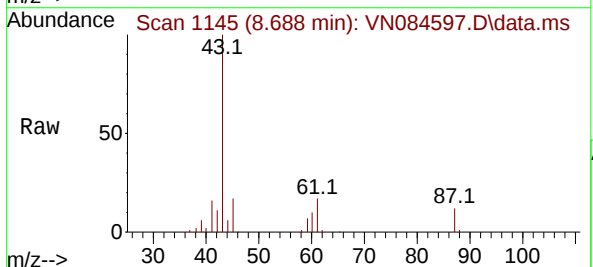
Tgt Ion: 43 Resp: 145377

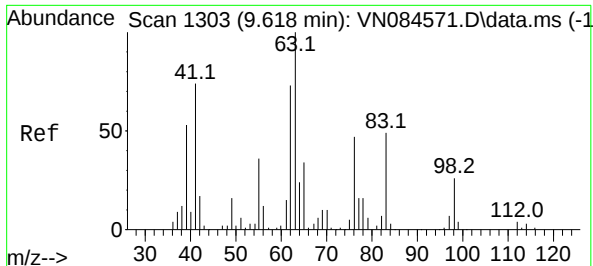
Ion Ratio Lower Upper

43 100

61 14.3 20.4 30.6#

87 9.4 10.3 15.5#

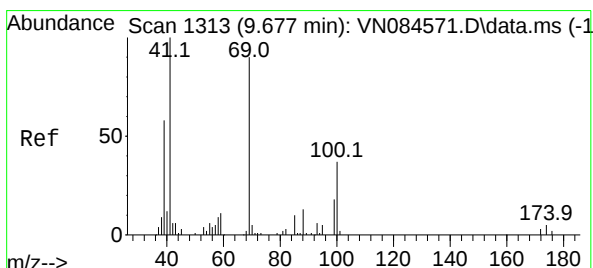
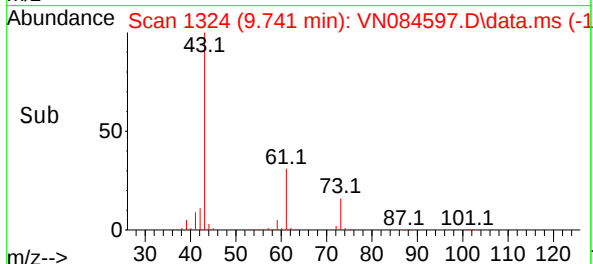
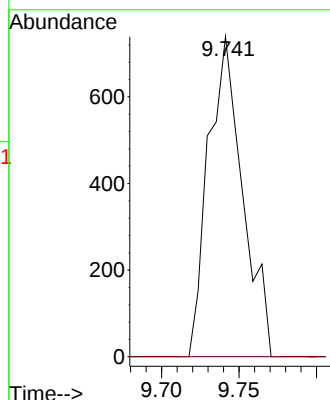
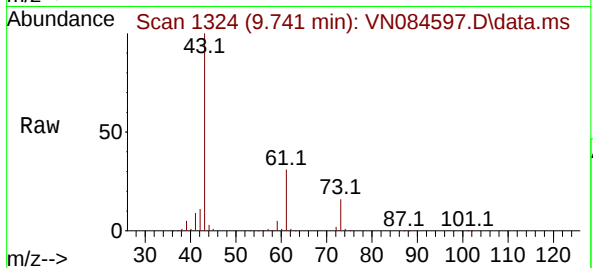




#45
1,2-Dichloropropane
Concen: 0.491 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

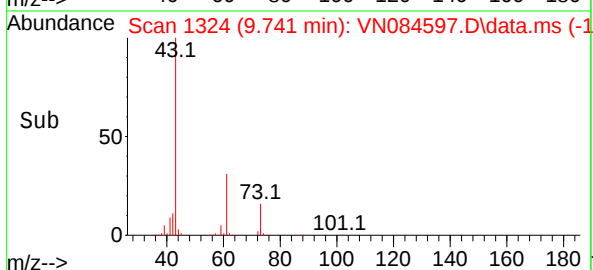
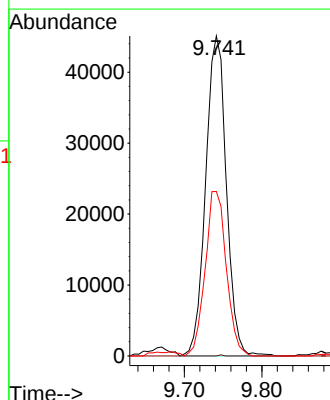
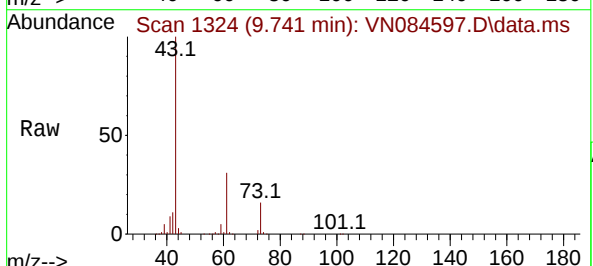
Instrument :
MSVOA_N
ClientSampleId :
TP-2

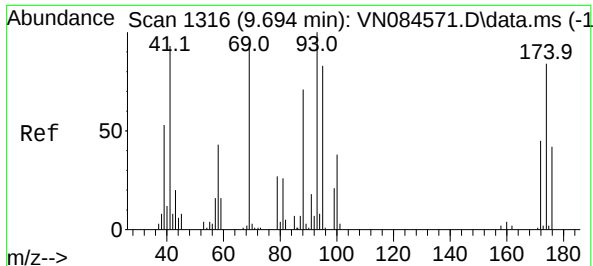
Tgt Ion: 63 Resp: 1139
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 38.407 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.065 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 41 Resp: 83506
Ion Ratio Lower Upper
41 100
69 0.1 67.1 100.7#
39 52.6 45.8 68.6





#49

1,4-Dioxane

Concen: 1.479 ug/l

RT: 9.741 min Scan# 1316

Delta R.T. 0.047 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

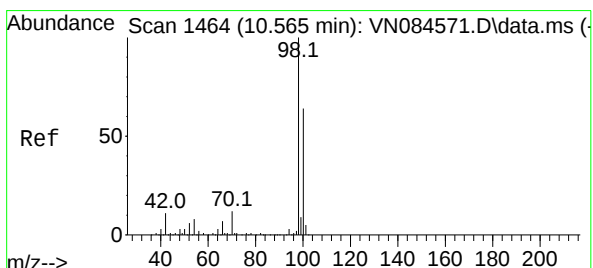
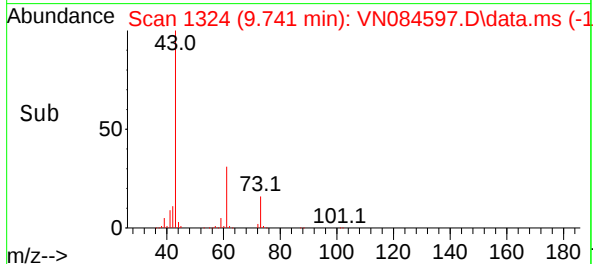
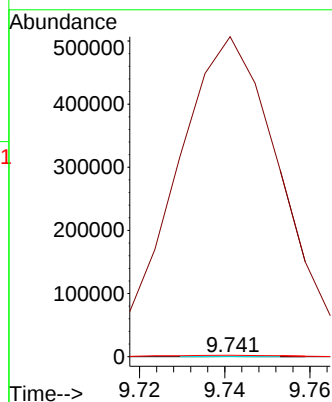
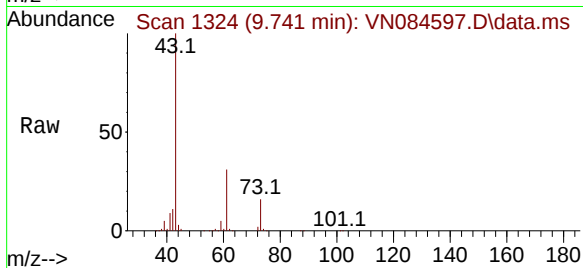
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 1567919.3 25.3 37.9#

58 7724.6 56.4 84.6#



#50

Toluene-d8

Concen: 48.139 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084597.D

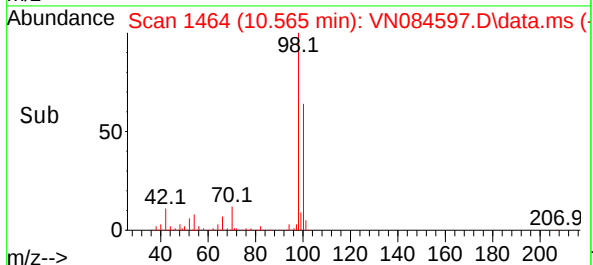
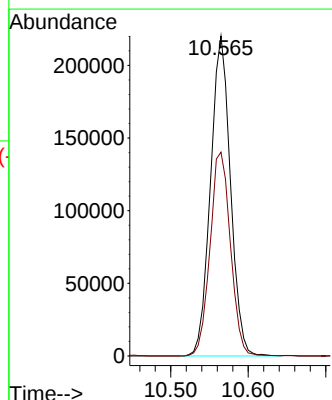
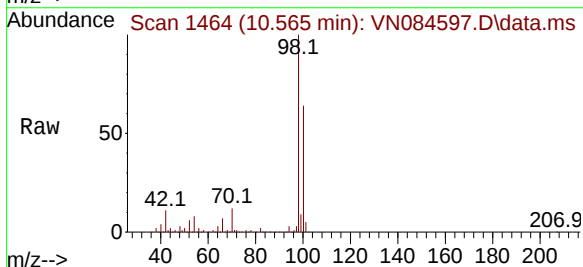
Acq: 31 Oct 2024 03:45

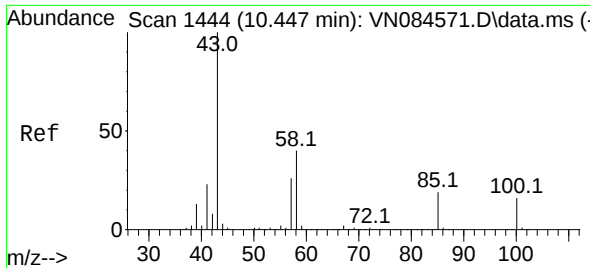
Tgt Ion: 98 Resp: 393704

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 2.943 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

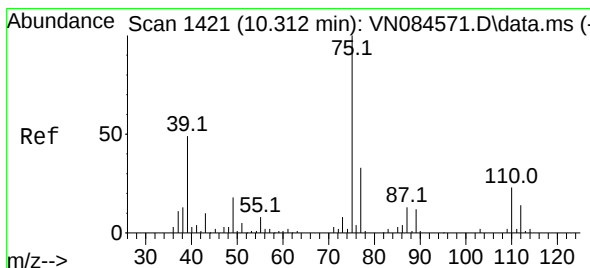
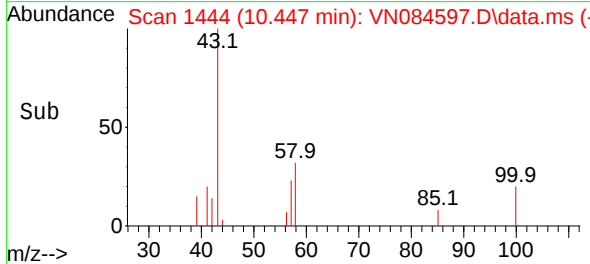
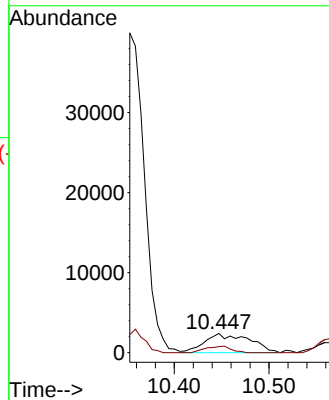
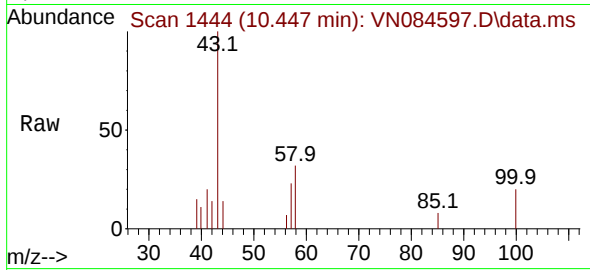
TP-2

Tgt Ion: 43 Resp: 7838

Ion Ratio Lower Upper

43 100

58 19.4 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 9.173 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

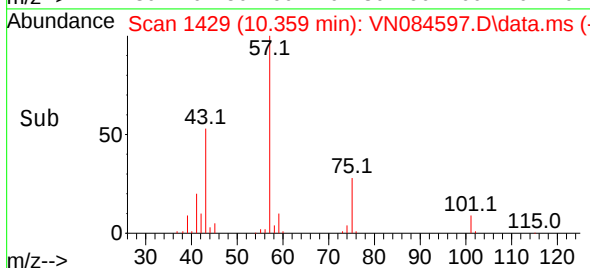
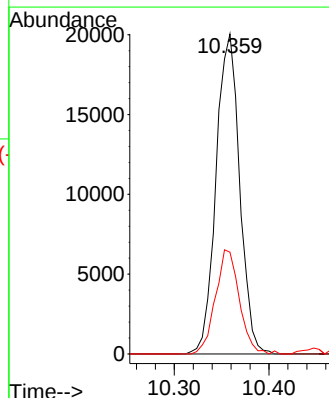
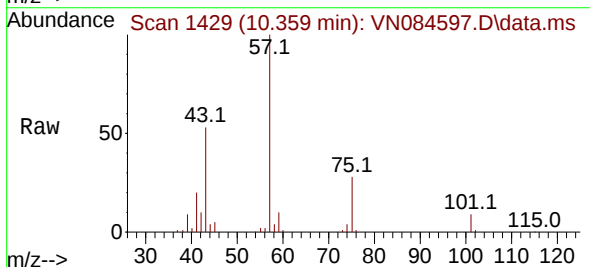
Tgt Ion: 75 Resp: 34674

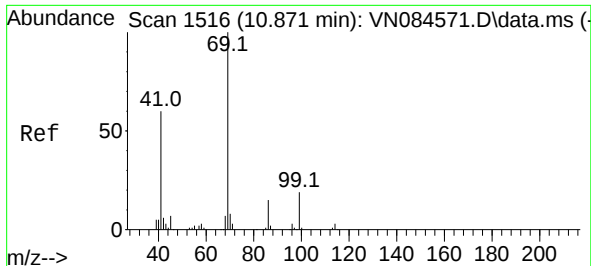
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 31.8 38.7 58.1#

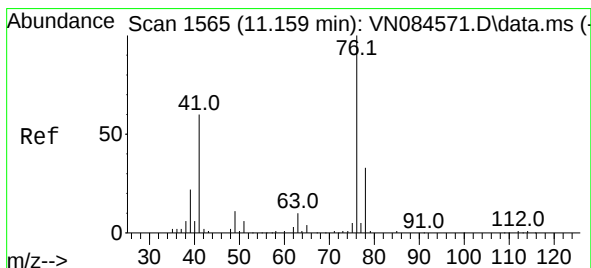
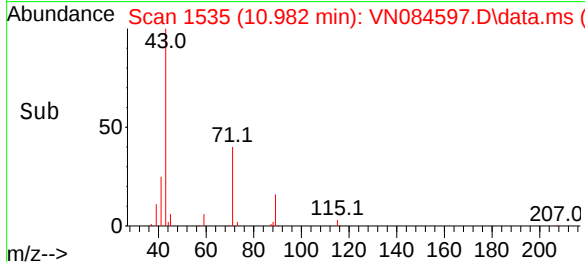
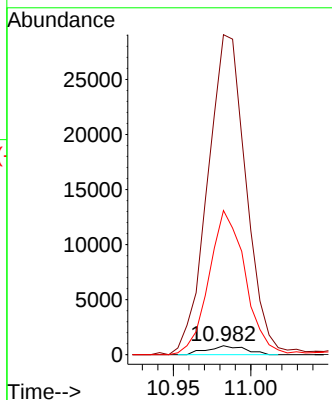
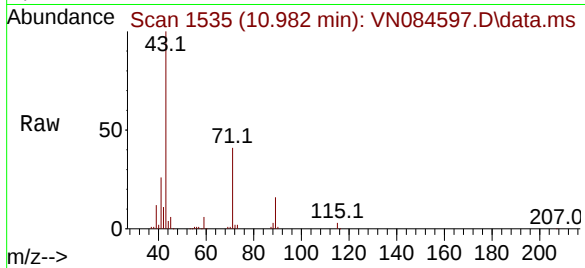




#56
Ethyl methacrylate
Concen: 0.441 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

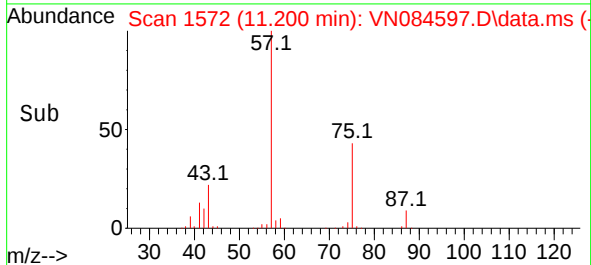
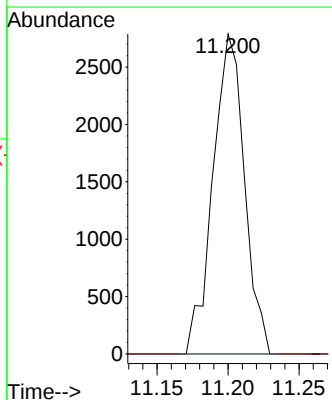
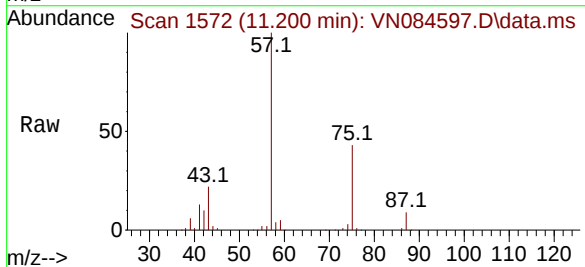
Instrument :
MSVOA_N
ClientSampleId :
TP-2

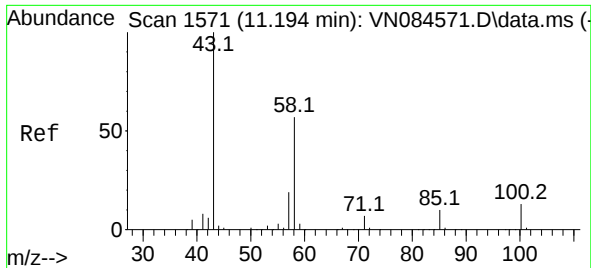
Tgt Ion: 69 Resp: 1390
Ion Ratio Lower Upper
69 100
41 3624.3 53.3 79.9#
39 1541.2 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.151 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 76 Resp: 4302
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

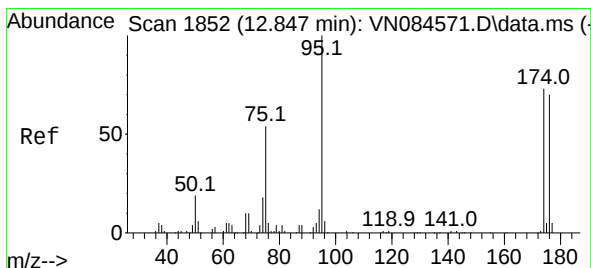
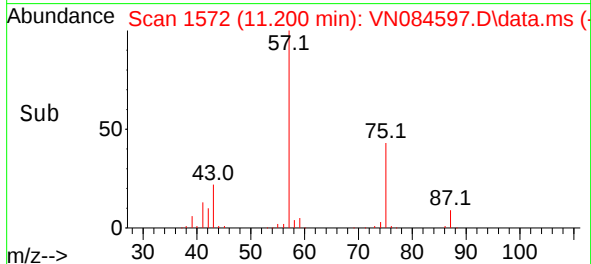
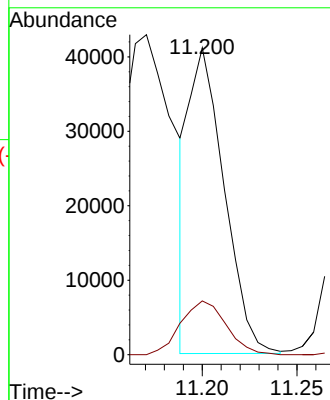
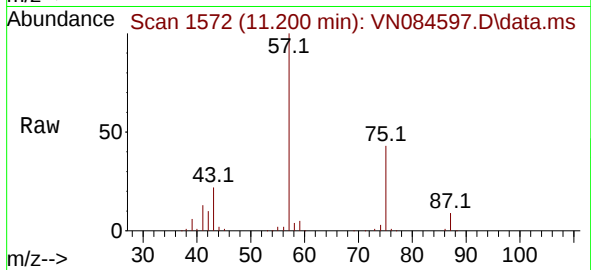




#59
2-Hexanone
Concen: 27.406 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

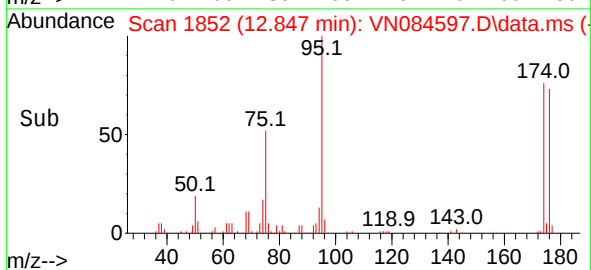
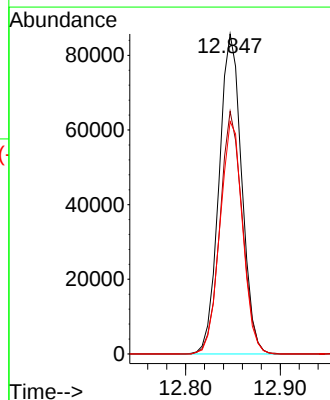
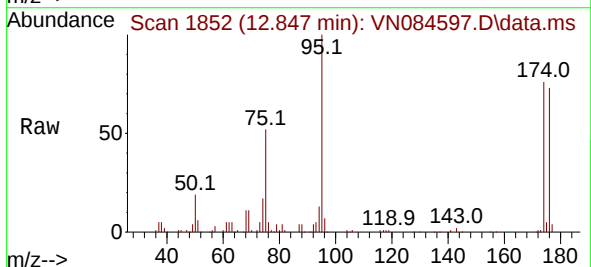
Instrument :
MSVOA_N
ClientSampleId :
TP-2

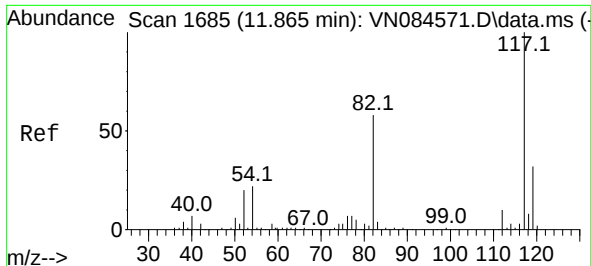
Tgt Ion: 43 Resp: 53126
Ion Ratio Lower Upper
43 100
58 22.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 46.572 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion: 95 Resp: 142351
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.2
176 72.5 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

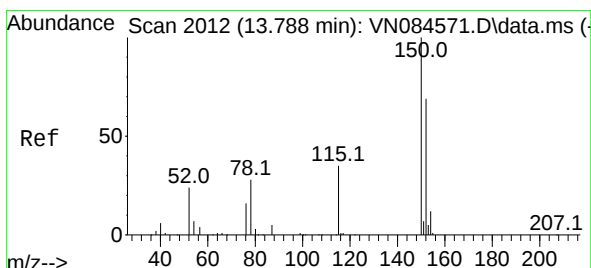
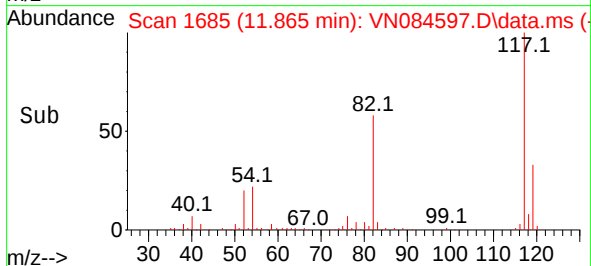
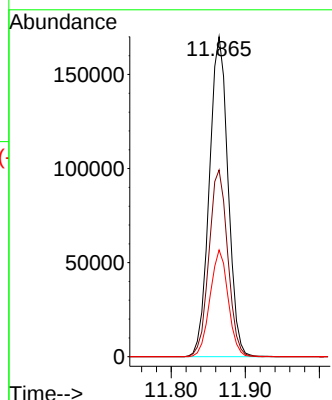
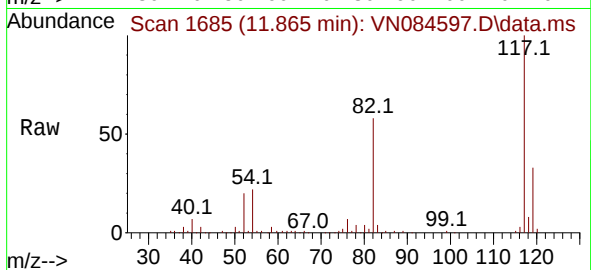
Tgt Ion:117 Resp: 298243

Ion Ratio Lower Upper

117 100

82 58.3 47.2 70.8

119 33.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

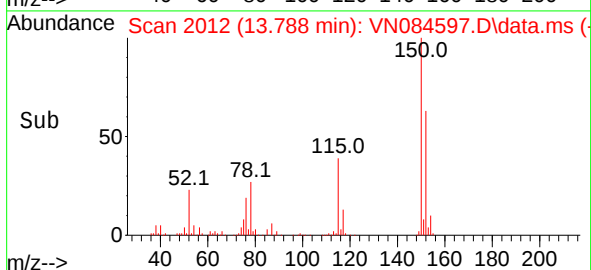
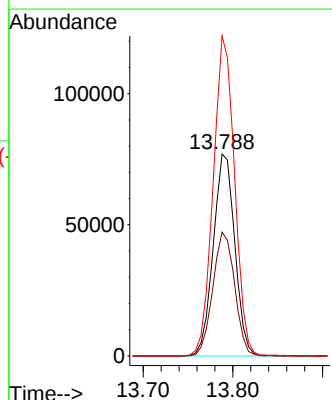
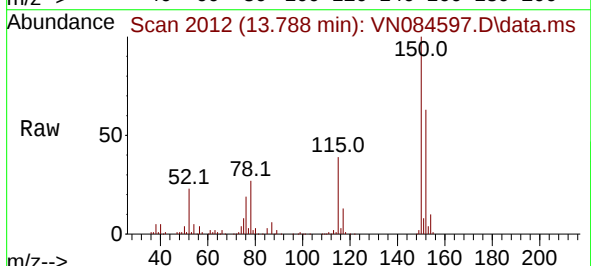
Tgt Ion:152 Resp: 128312

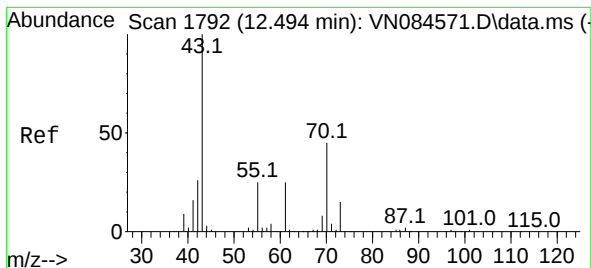
Ion Ratio Lower Upper

152 100

115 62.3 31.3 93.9

150 157.2 0.0 349.8





#74

N-amy1 acetate

Concen: 0.232 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084597.D

Acq: 31 Oct 2024 03:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tgt Ion: 43 Resp: 888

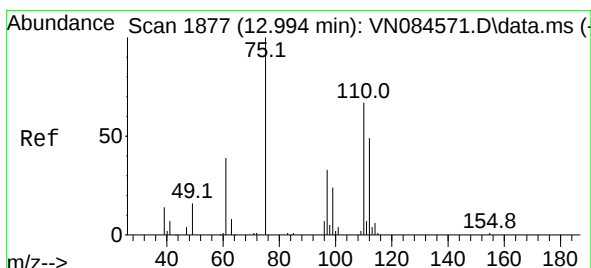
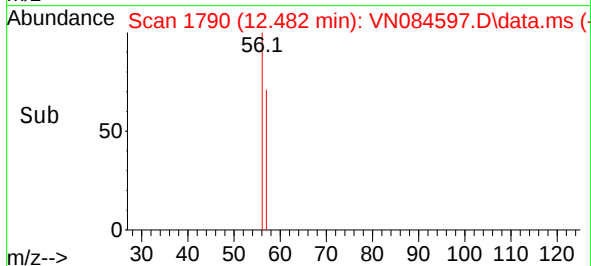
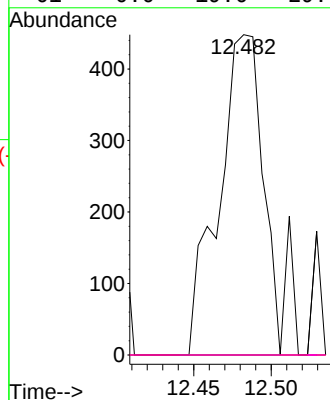
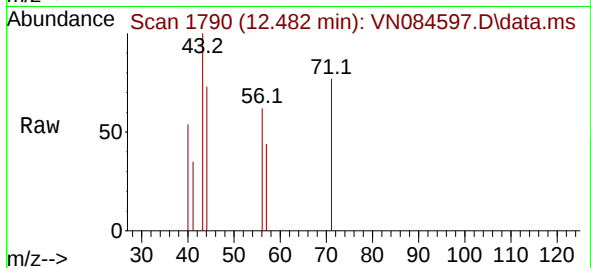
Ion Ratio Lower Upper

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: 28.854 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084597.D

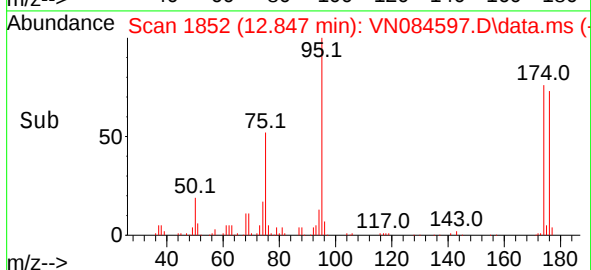
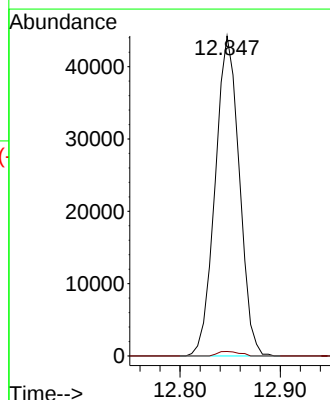
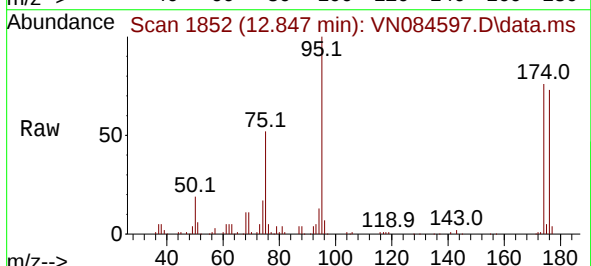
Acq: 31 Oct 2024 03:45

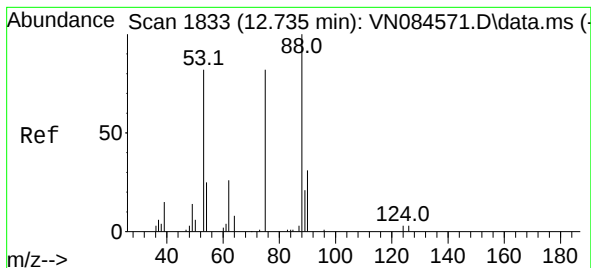
Tgt Ion: 75 Resp: 74008

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

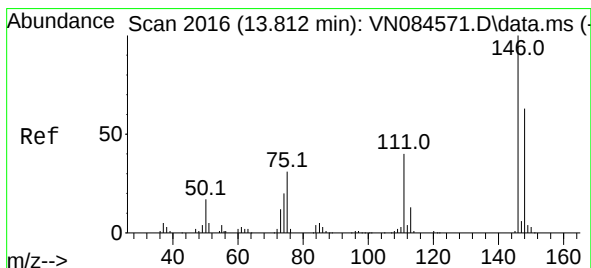
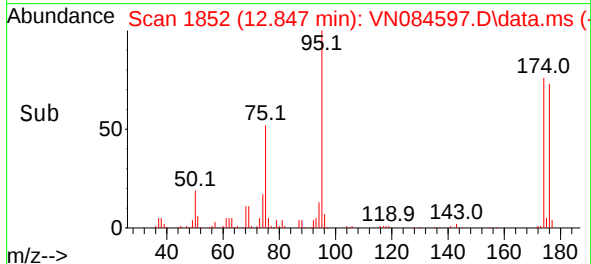
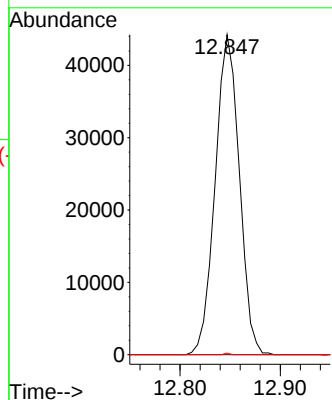
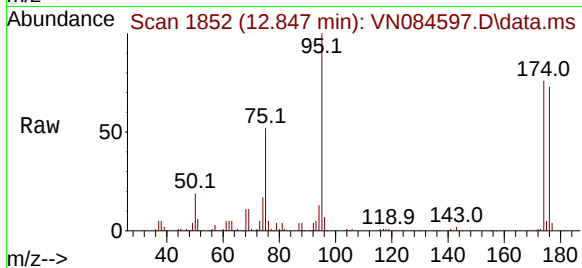




#81
trans-1,4-Dichloro-2-butene
Concen: 68.454 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Instrument :
MSVOA_N
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 74008
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084597.D
Acq: 31 Oct 2024 03:45

Tgt Ion:146 Resp: 54
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#

