

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084593.D
 Acq On : 31 Oct 2024 02:09
 Operator : JC\MD
 Sample : P4598-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-F12

Quant Time: Nov 01 05:18:03 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

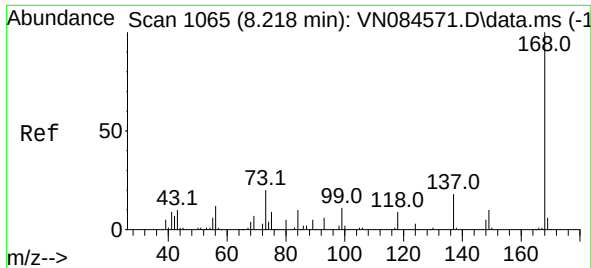
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	184609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137480	51.561	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.120%			
35) Dibromofluoromethane	8.165	113	111163	48.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.300%			
50) Toluene-d8	10.565	98	407989	47.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.940%			
62) 4-Bromofluorobenzene	12.847	95	148981	46.873	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1256	Below Cal	#	41
6) Chloroethane	3.177	64	352	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	1125	3.196	ug/l #	73
16) Acetone	4.424	43	17326	19.869	ug/l	94
18) Methyl Acetate	5.024	43	10088	Below Cal		97
20) Methylene Chloride	5.253	84	2327	0.992	ug/l #	75
25) 2-Butanone	7.494	43	1687	1.356	ug/l	97
31) Cyclohexane	8.218	56	4243	1.153	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15513	4.845	ug/l #	49
37) Ethyl Acetate	7.559	43	2589	0.891	ug/l #	85
38) Carbon Tetrachloride	8.218	117	20662	5.773	ug/l #	18
43) Isopropyl Acetate	8.688	43	134942	24.654	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1192	0.494	ug/l #	44
48) Methyl methacrylate	9.665	41	2810	1.243	ug/l #	15
51) 4-Methyl-2-Pentanone	10.441	43	7308	2.639	ug/l #	67
54) cis-1,3-Dichloropropene	10.353	75	36427	9.267	ug/l #	67
56) Ethyl methacrylate	10.982	69	1494	0.456	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4356	1.120	ug/l #	42
59) 2-Hexanone	11.200	43	52861	26.223	ug/l #	57
74) N-amyl acetate	12.488	43	816	0.215	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	77869	30.682	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77869	72.791	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	175	Below Cal	#	24

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

Quant Time: Nov 01 05:18:03 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

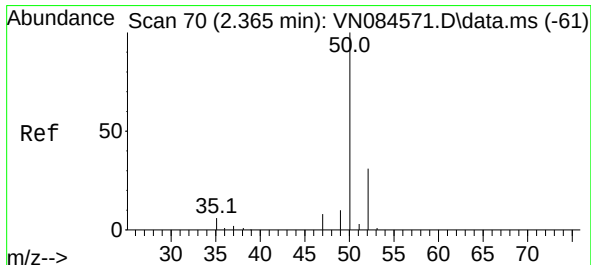
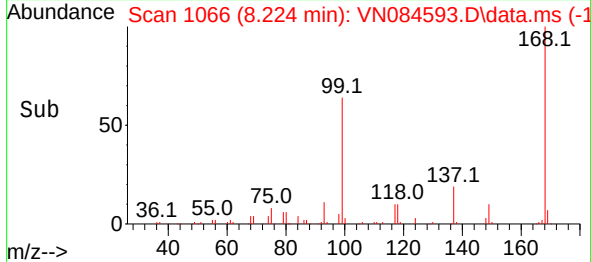
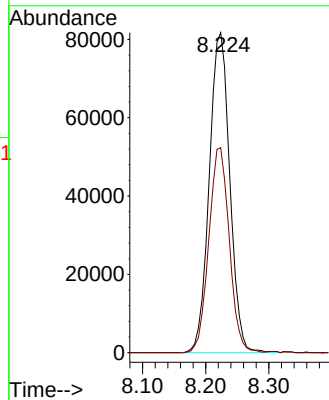
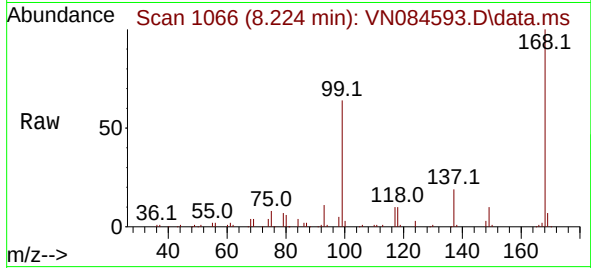




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

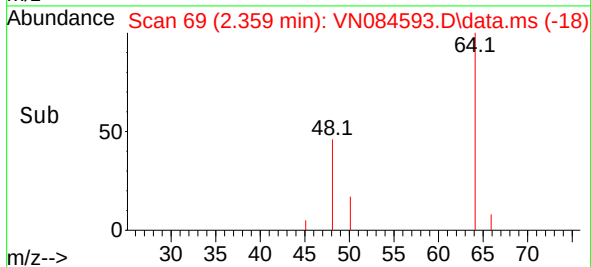
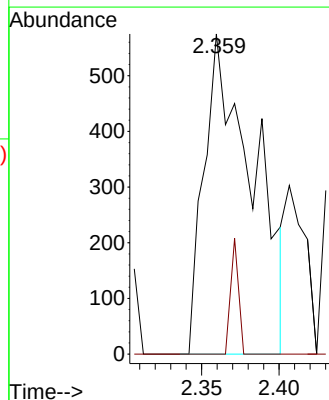
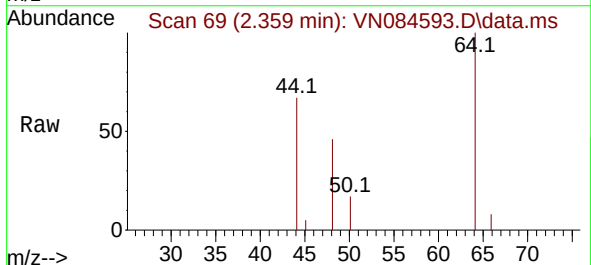
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

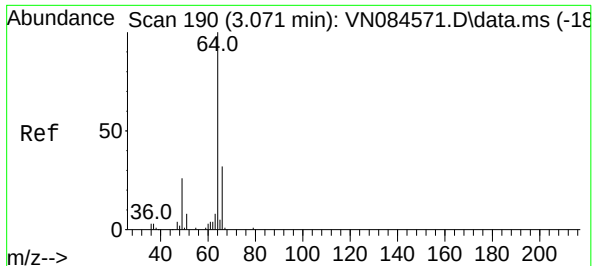
Tgt Ion:168 Resp: 184609
Ion Ratio Lower Upper
168 100
99 64.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 50 Resp: 1256
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

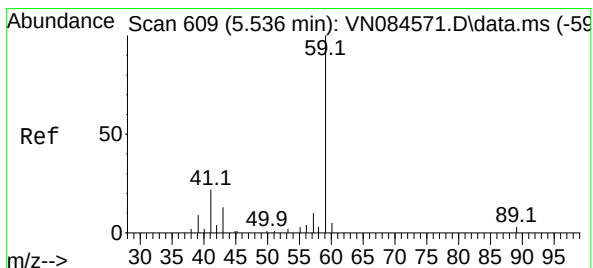
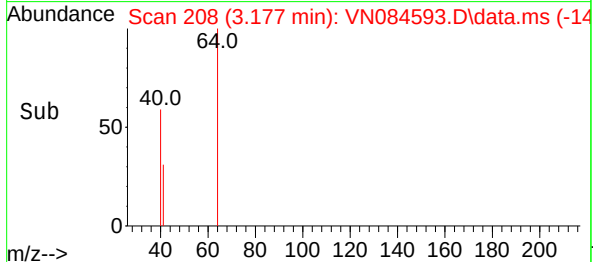
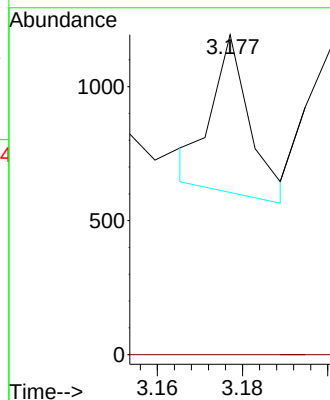
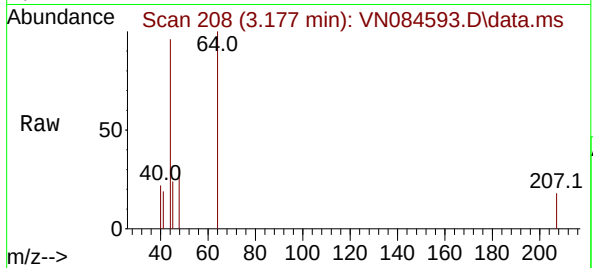




#6
Chloroethane
Concen: Below Cal
RT: 3.177 min Scan# 208
Delta R.T. 0.059 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

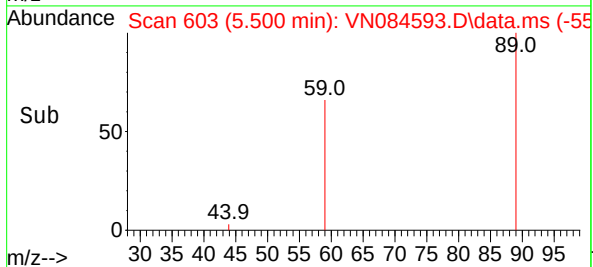
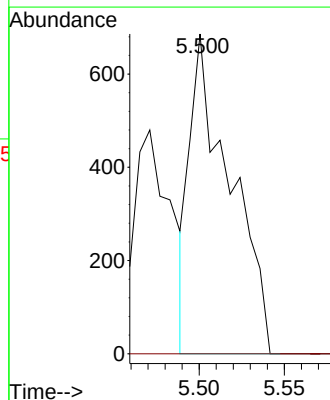
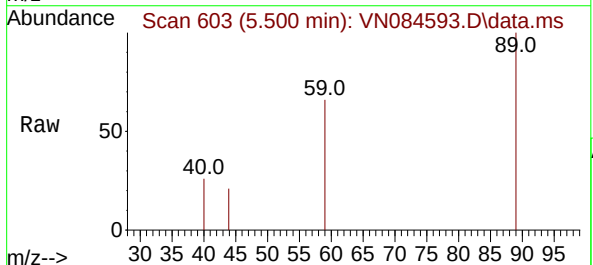
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

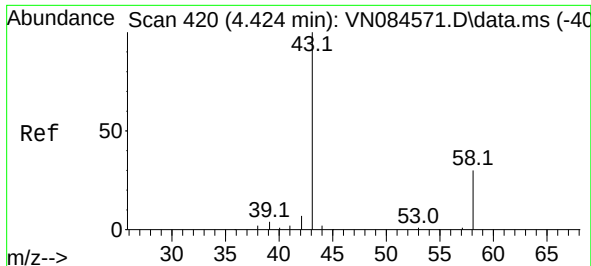
Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 3.196 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.023 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 59 Resp: 1125
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

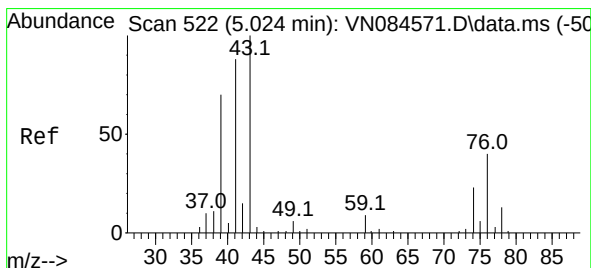
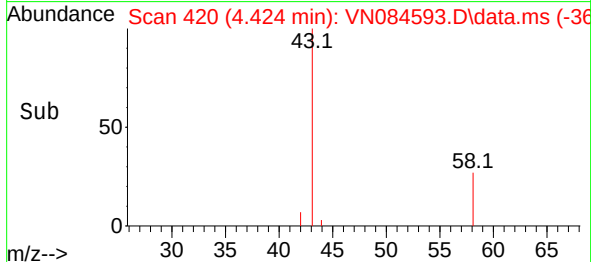
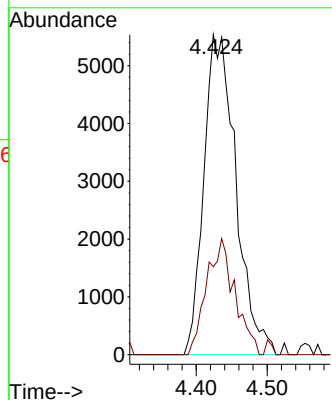
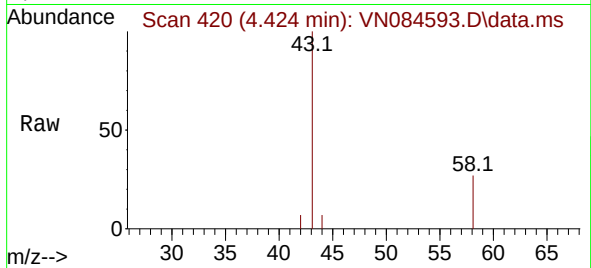




#16
Acetone
Concen: 19.869 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

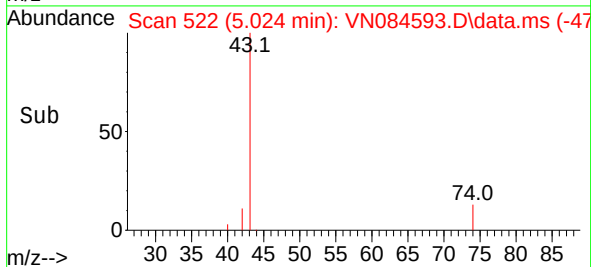
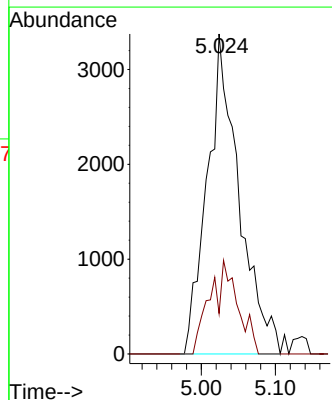
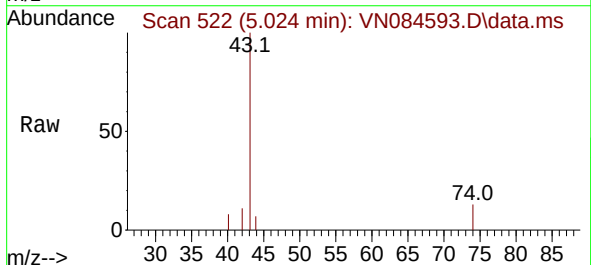
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MSVOA_N
ClientSampleId :
BP-F12

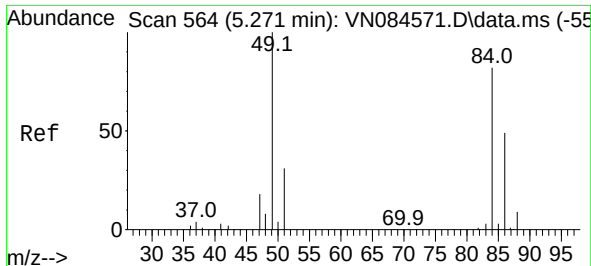
Tgt Ion: 43 Resp: 17326
Ion Ratio Lower Upper
43 100
58 27.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 43 Resp: 10088
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8





#20

Methylene Chloride

Concen: 0.992 ug/l

RT: 5.253 min Scan# 5

Delta R.T. -0.024 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F12

Tgt Ion: 84 Resp: 2327

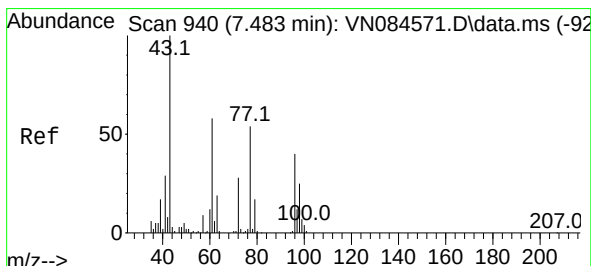
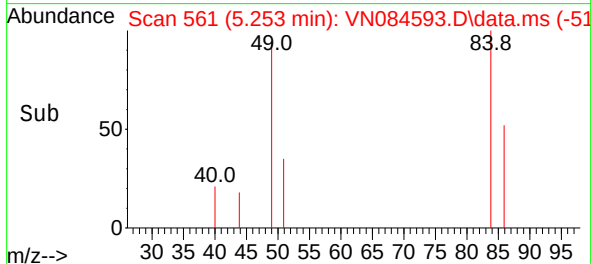
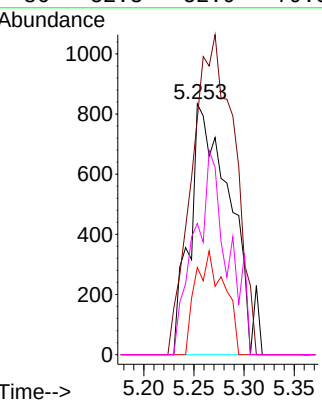
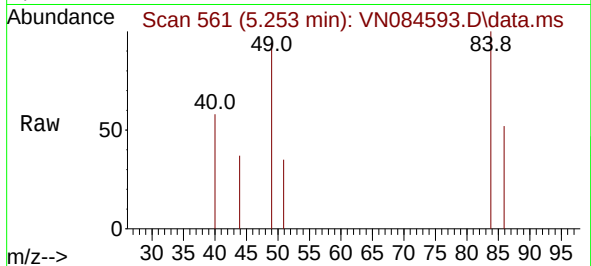
Ion Ratio Lower Upper

84 100

49 94.1 107.2 160.8#

51 34.8 31.8 47.8

86 52.3 52.9 79.3#



#25

2-Butanone

Concen: 1.356 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN084593.D

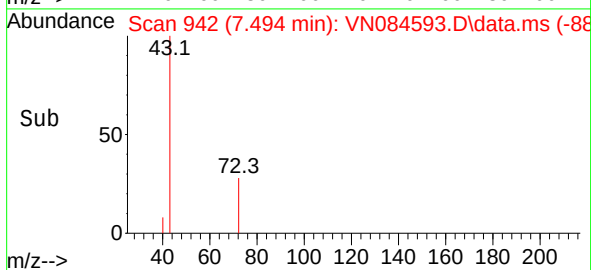
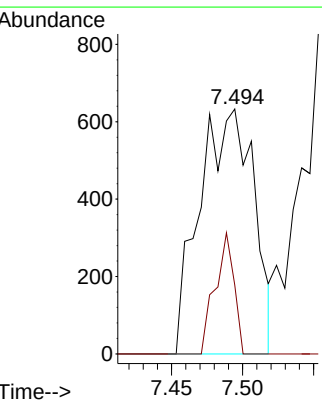
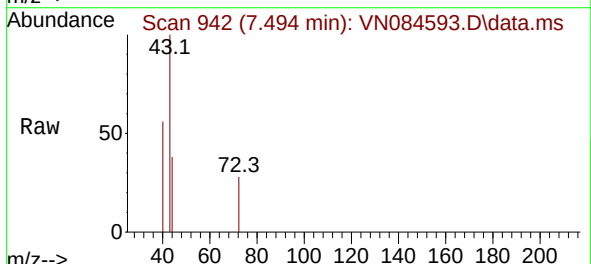
Acq: 31 Oct 2024 02:09

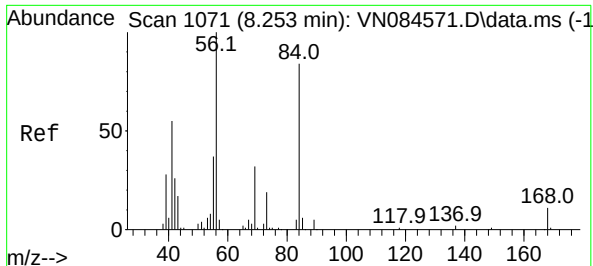
Tgt Ion: 43 Resp: 1687

Ion Ratio Lower Upper

43 100

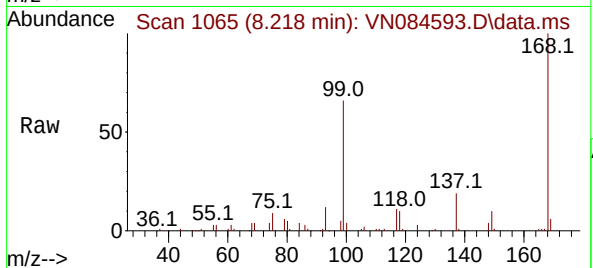
72 28.1 21.4 32.2



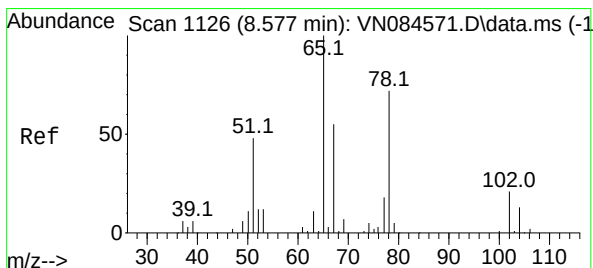
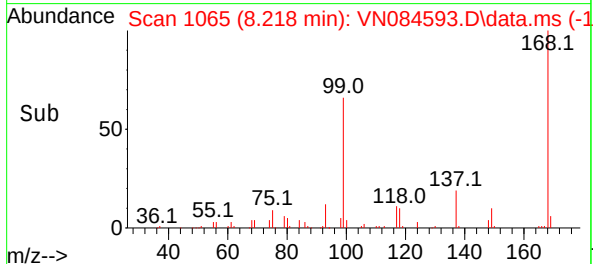
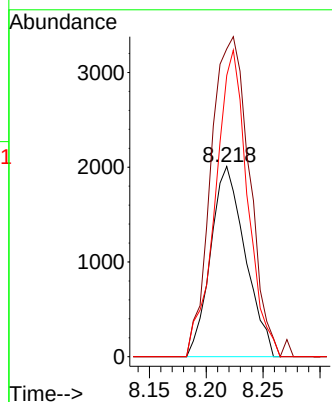


#31
Cyclohexane
Concen: 1.153 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Instrument :
MSVOA_N
ClientSampleId :
BP-F12

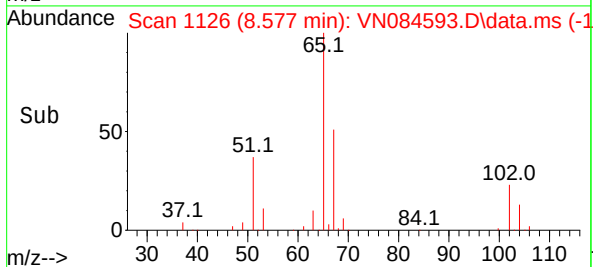
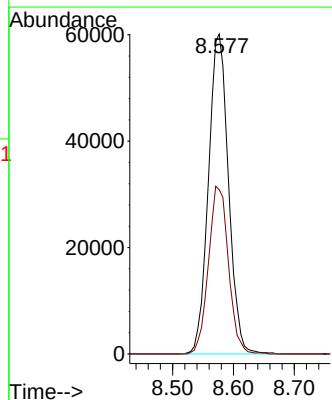
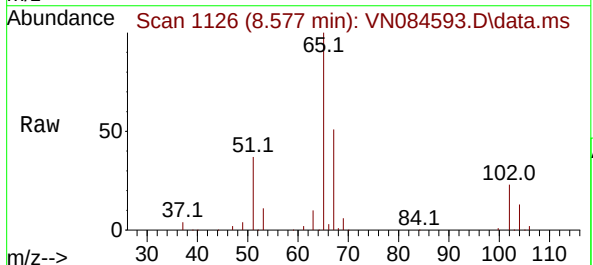


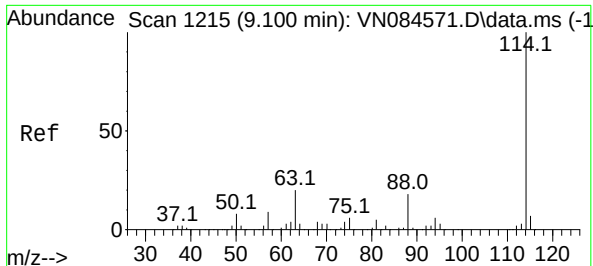
Tgt Ion: 56 Resp: 4243
Ion Ratio Lower Upper
56 100
69 161.8 23.8 35.6#
84 147.9 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.561 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 65 Resp: 137480
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F12

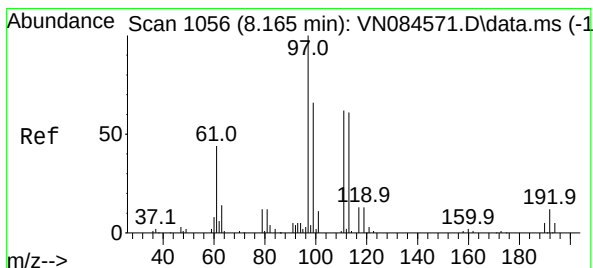
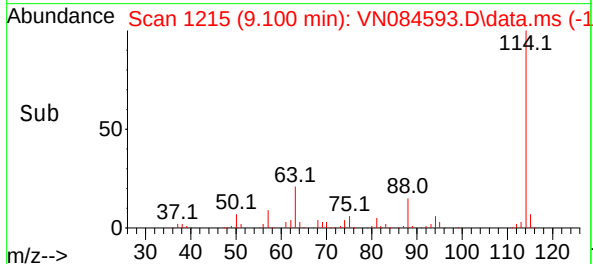
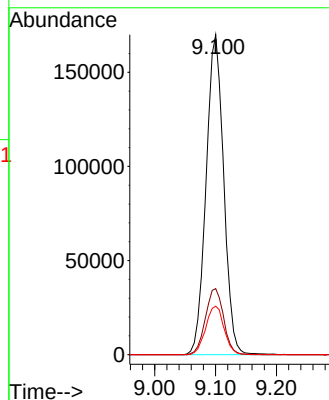
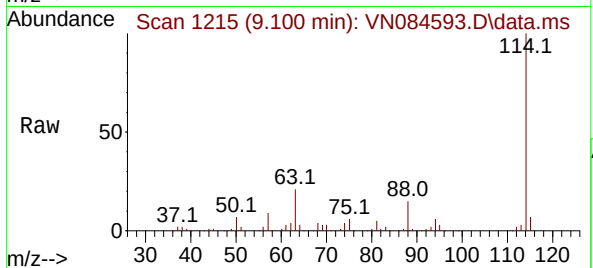
Tgt Ion:114 Resp: 341082

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

88 15.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.149 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

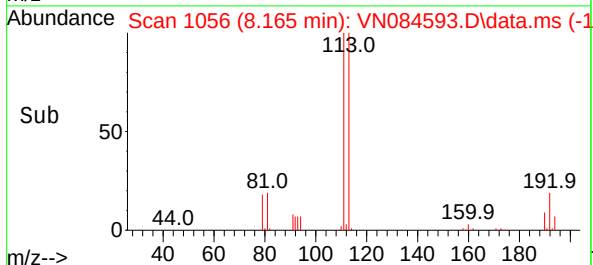
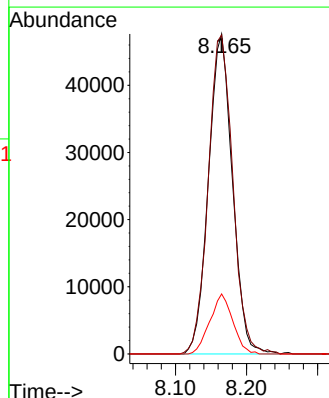
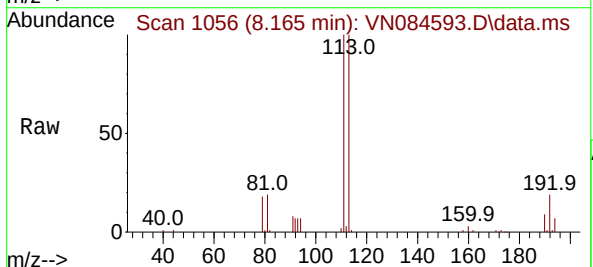
Tgt Ion:113 Resp: 111163

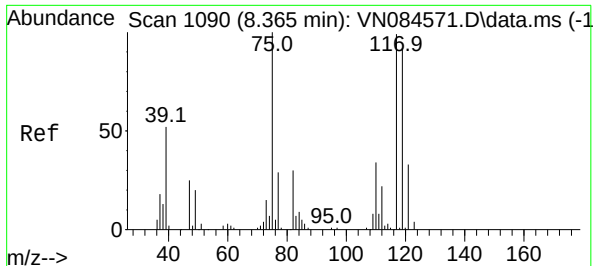
Ion Ratio Lower Upper

113 100

111 102.3 83.3 124.9

192 18.0 13.5 20.3

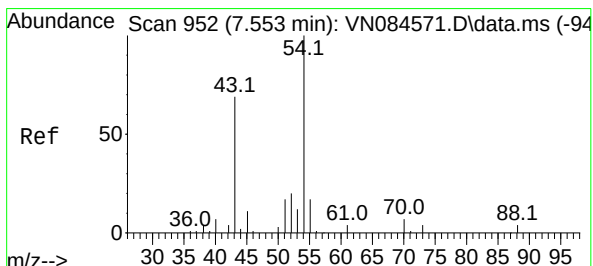
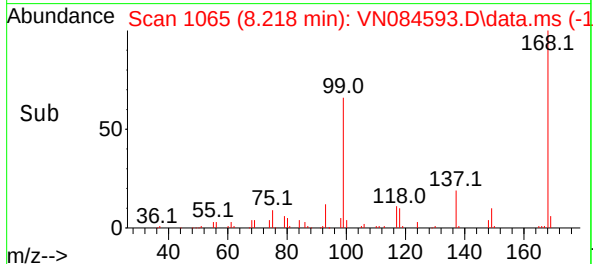
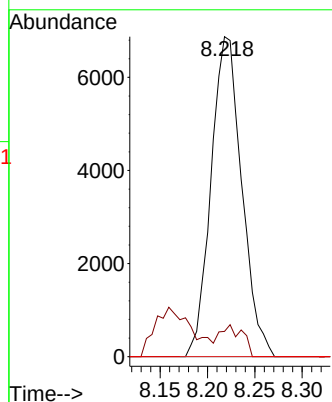
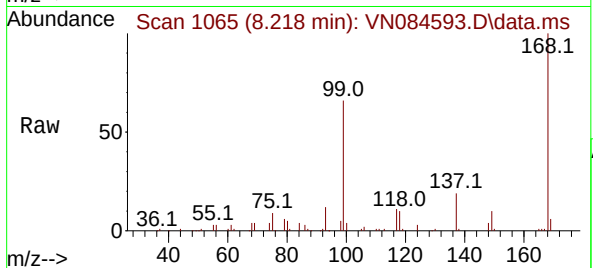




#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

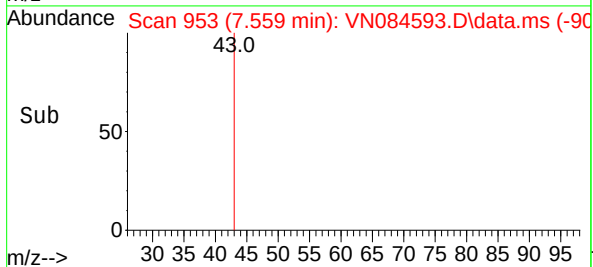
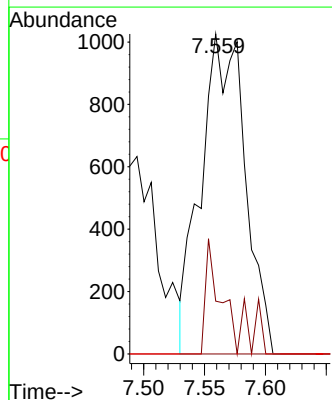
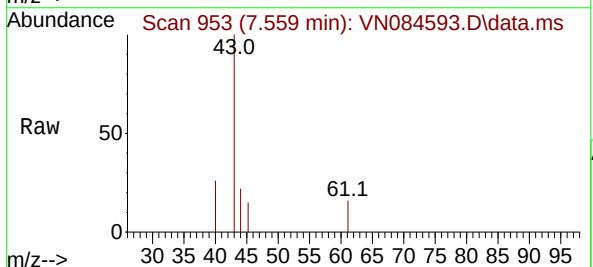
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

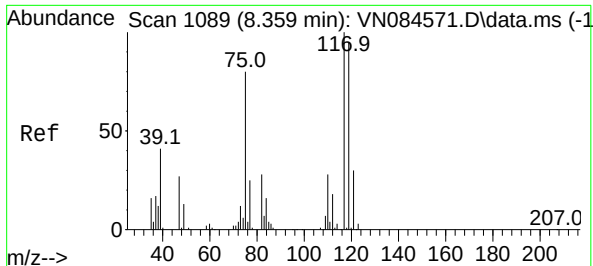
Tgt Ion: 75 Resp: 15513
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.891 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
61 11.9 10.7 16.1
70 0.0 8.8 13.2#

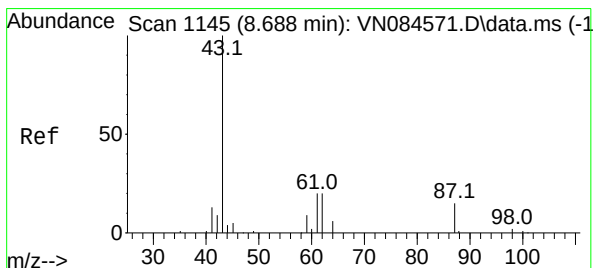
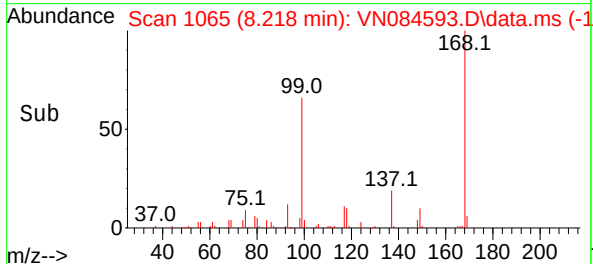
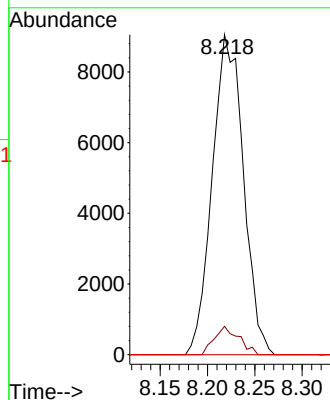
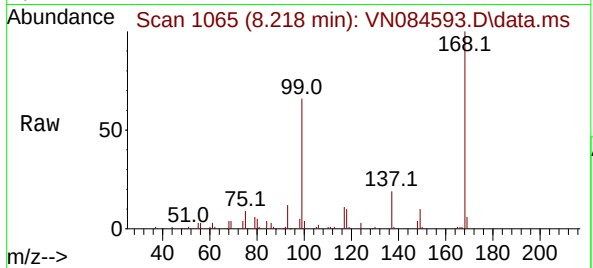




#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

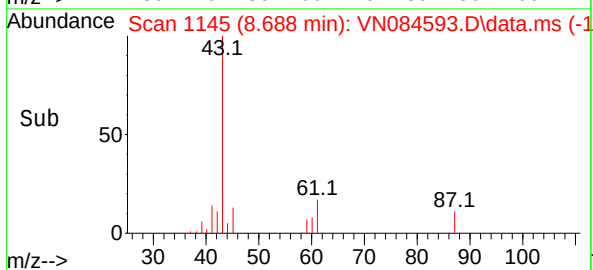
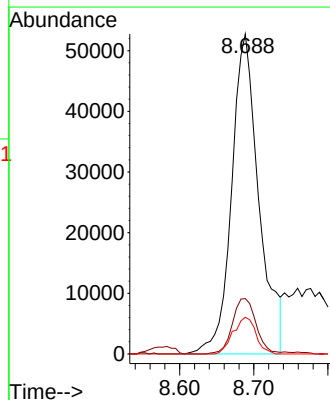
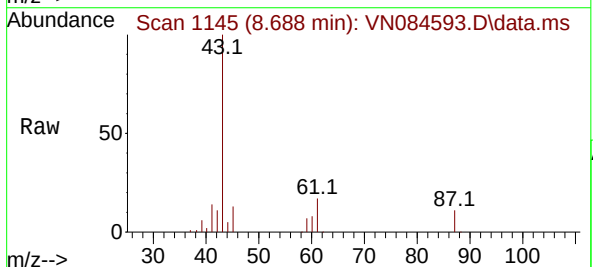
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

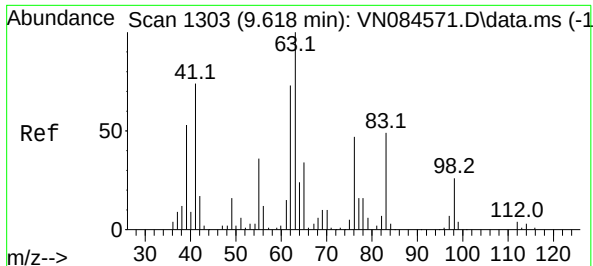
Tgt Ion:117 Resp: 20662
Ion Ratio Lower Upper
117 100
119 8.8 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 24.654 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 43 Resp: 134942
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 9.5 10.3 15.5#

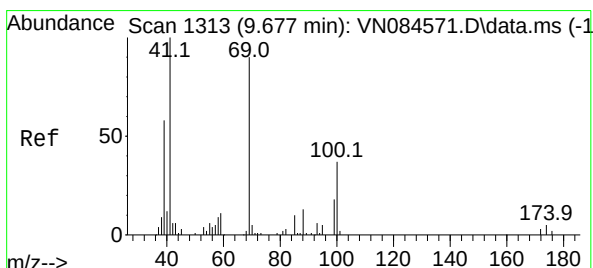
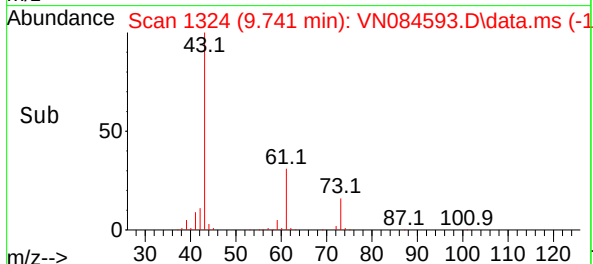
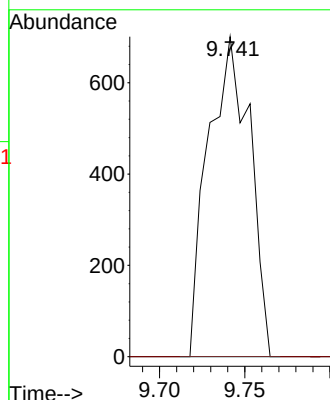
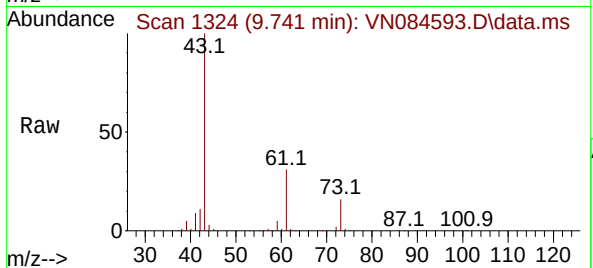




#45
1,2-Dichloropropane
Concen: 0.494 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

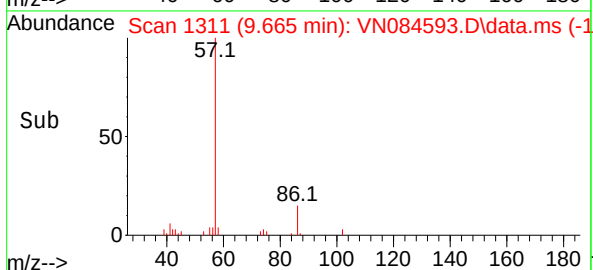
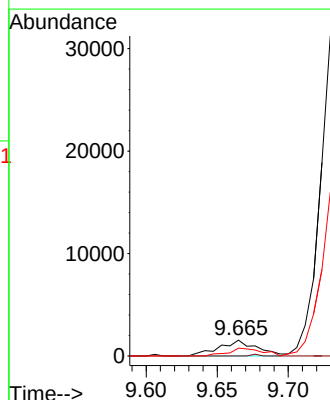
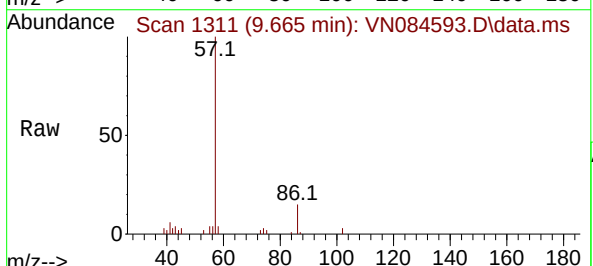
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

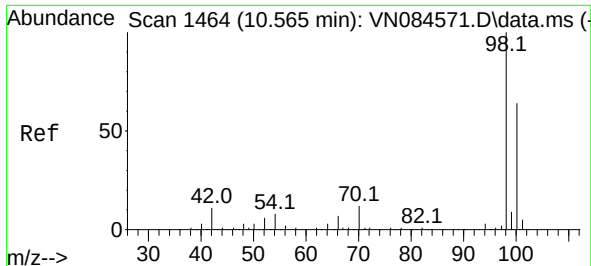
Tgt Ion: 63 Resp: 1192
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.243 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 41 Resp: 2810
Ion Ratio Lower Upper
41 100
69 2.1 67.1 100.7#
39 0.0 45.8 68.6#





#50

Toluene-d8

Concen: 47.973 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

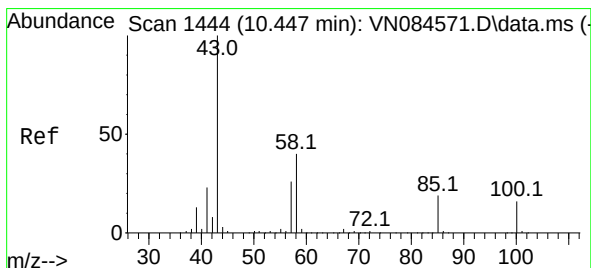
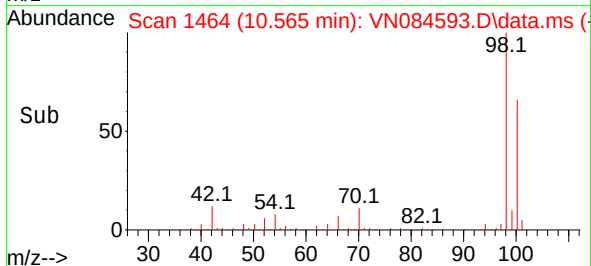
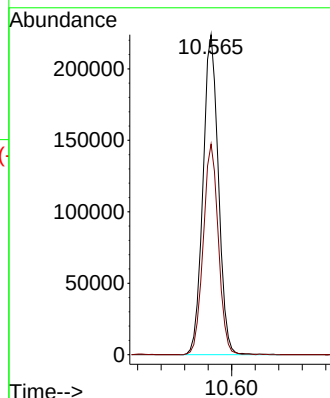
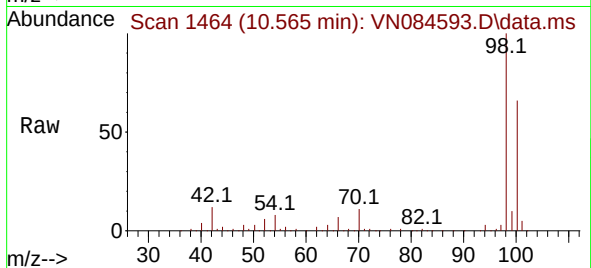
BP-F12

Tgt Ion: 98 Resp: 407989

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 2.639 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN084593.D

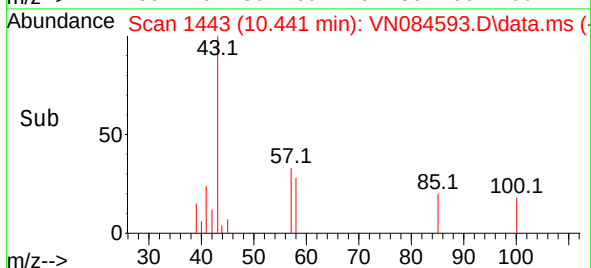
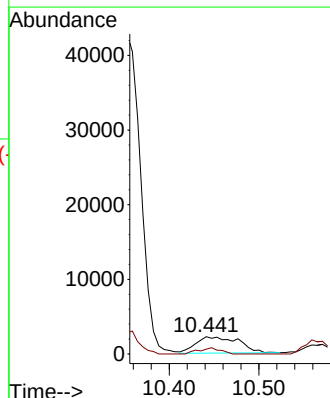
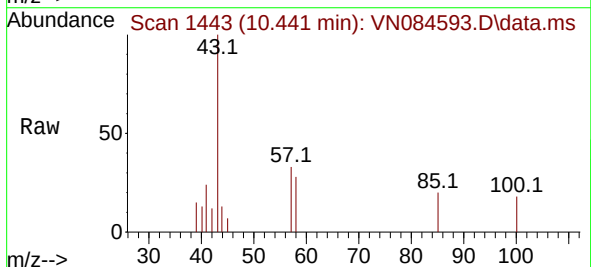
Acq: 31 Oct 2024 02:09

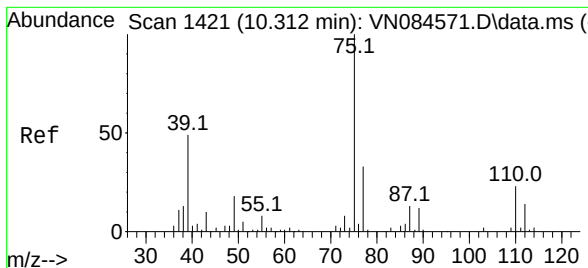
Tgt Ion: 43 Resp: 7308

Ion Ratio Lower Upper

43 100

58 19.1 31.6 47.4#

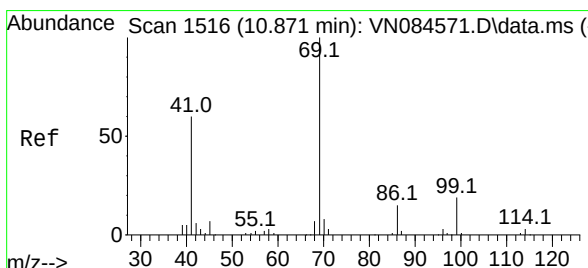
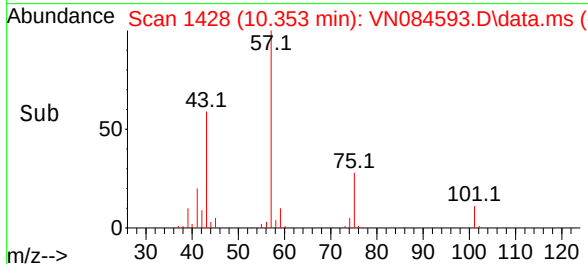
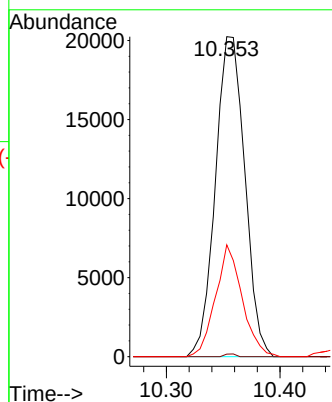
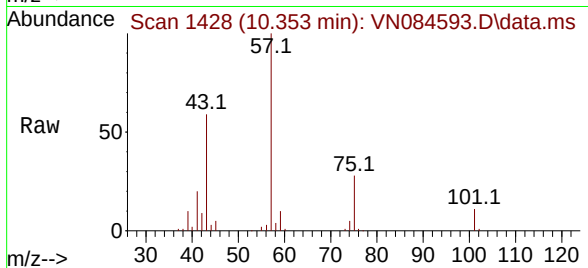




#54
cis-1,3-Dichloropropene
Concen: 9.267 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

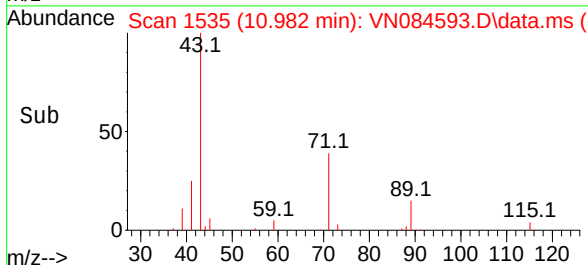
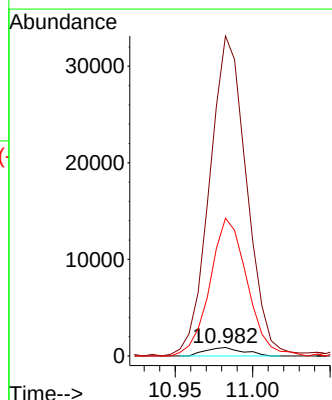
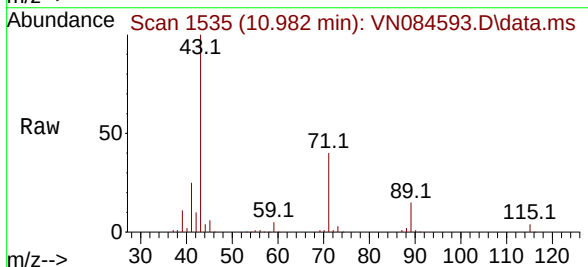
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

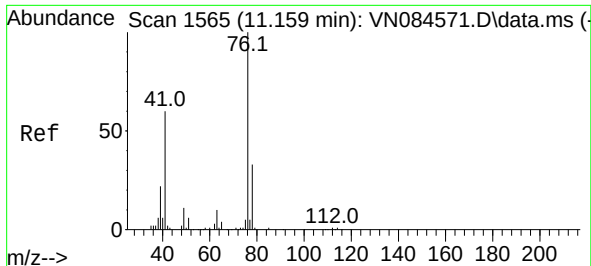
Tgt Ion: 75 Resp: 36427
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 34.9 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.456 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 69 Resp: 1494
Ion Ratio Lower Upper
69 100
41 3699.4 53.3 79.9#
39 1595.9 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.120 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

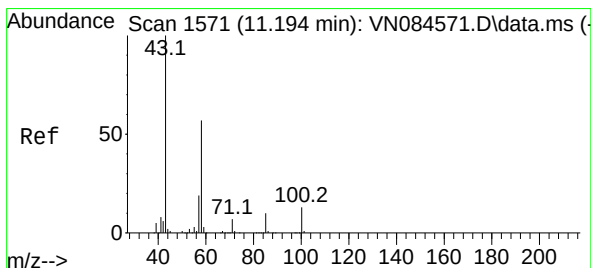
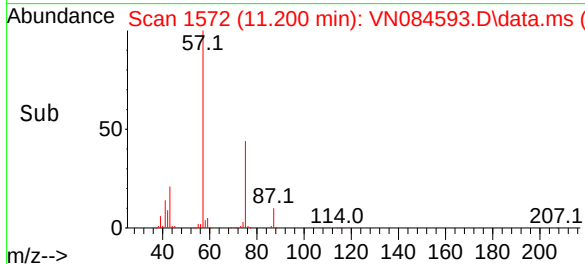
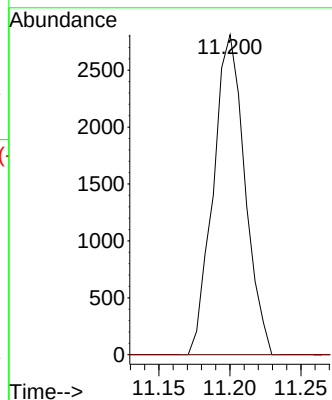
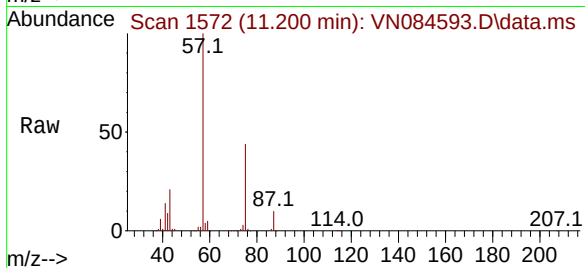
BP-F12

Tgt Ion: 76 Resp: 4356

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 26.223 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084593.D

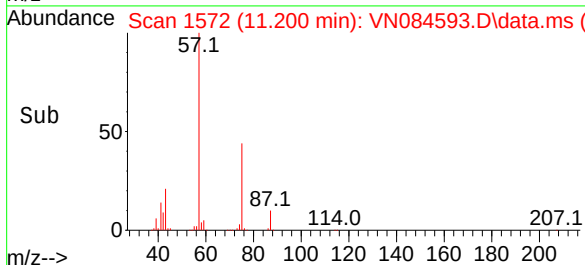
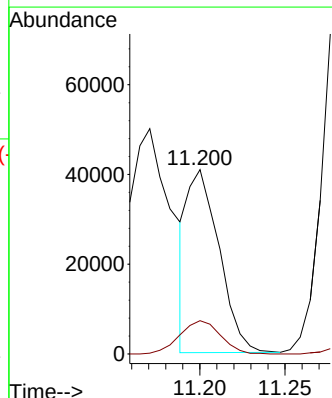
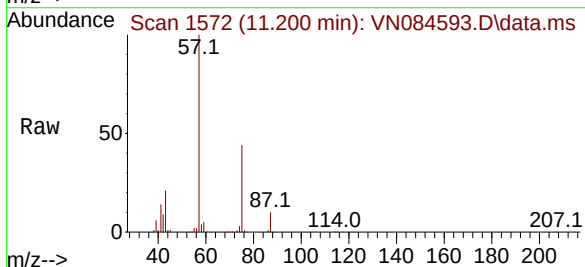
Acq: 31 Oct 2024 02:09

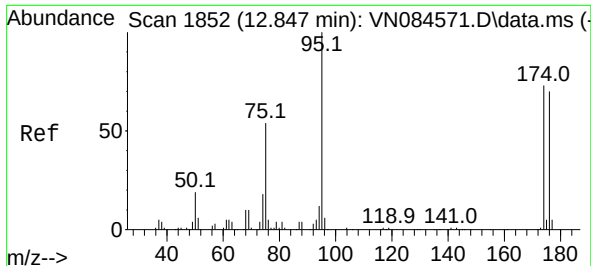
Tgt Ion: 43 Resp: 52861

Ion Ratio Lower Upper

43 100

58 23.4 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 46.873 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F12

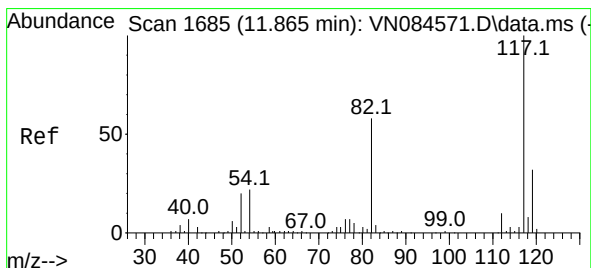
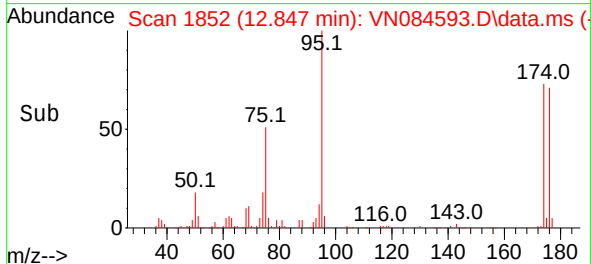
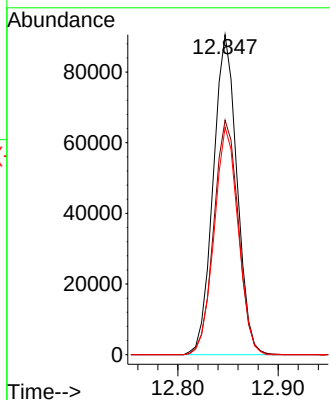
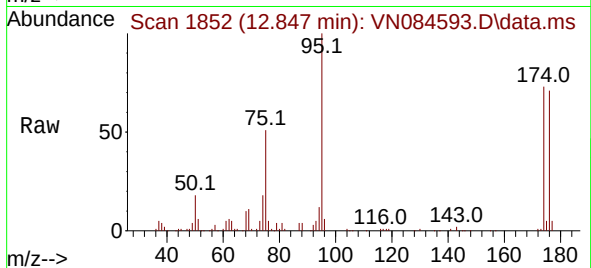
Tgt Ion: 95 Resp: 148981

Ion Ratio Lower Upper

95 100

174 75.7 0.0 145.2

176 72.0 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: VN084593.D

Acq: 31 Oct 2024 02:09

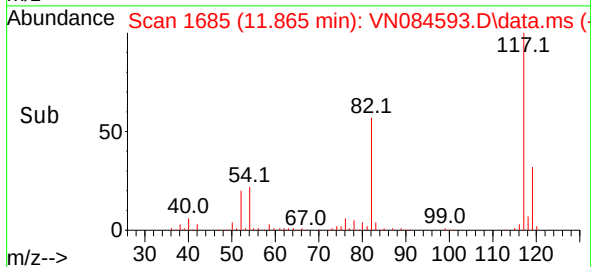
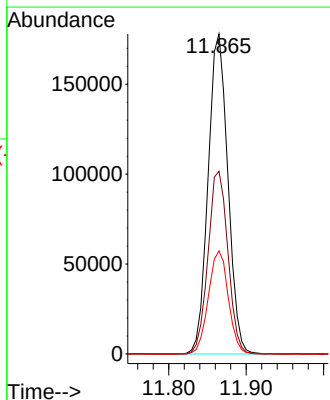
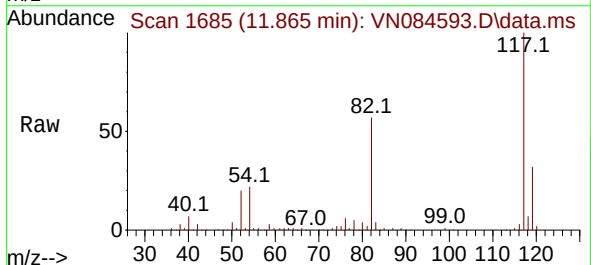
Tgt Ion: 117 Resp: 315281

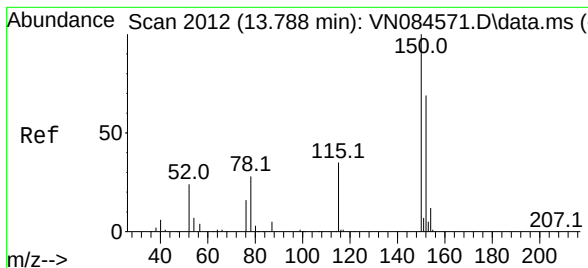
Ion Ratio Lower Upper

117 100

82 57.1 47.2 70.8

119 32.2 25.4 38.0

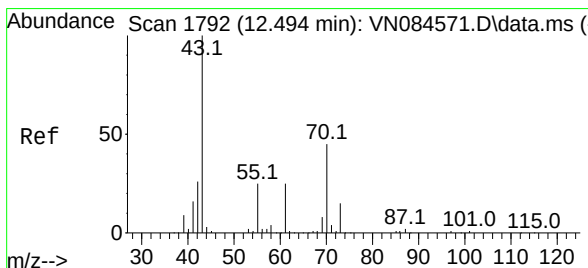
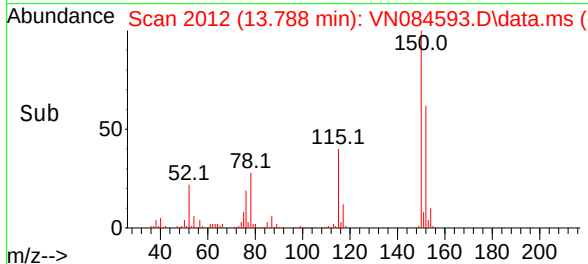
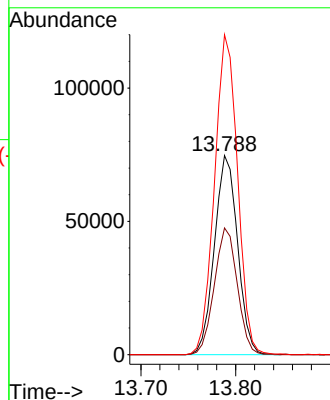
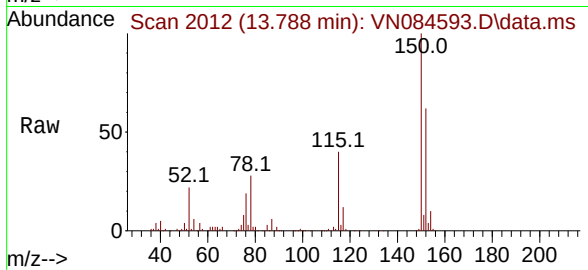




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

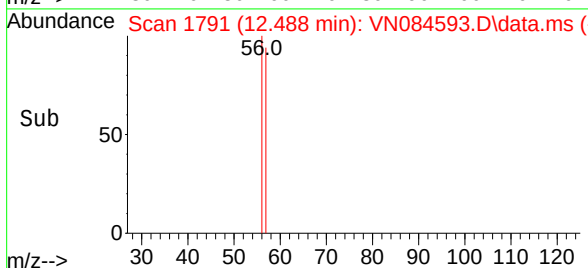
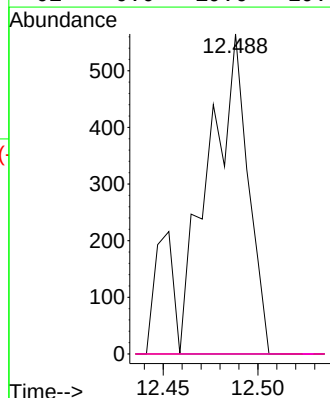
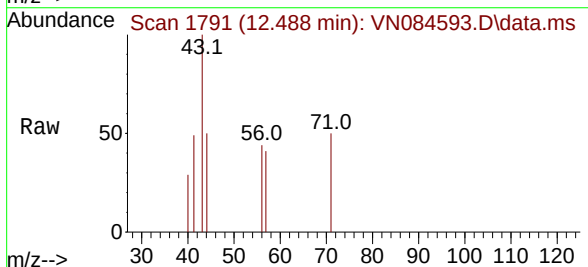
Instrument :
MSVOA_N
ClientSampleId :
BP-F12

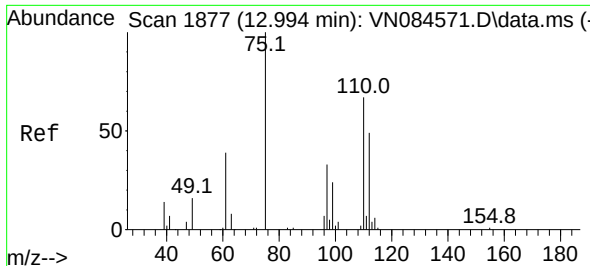
Tgt Ion:152 Resp: 126962
Ion Ratio Lower Upper
152 100
115 63.2 31.3 93.9
150 160.0 0.0 349.8



#74
N-ethyl acetate
Concen: 0.215 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084593.D
Acq: 31 Oct 2024 02:09

Tgt Ion: 43 Resp: 816
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: 30.682 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

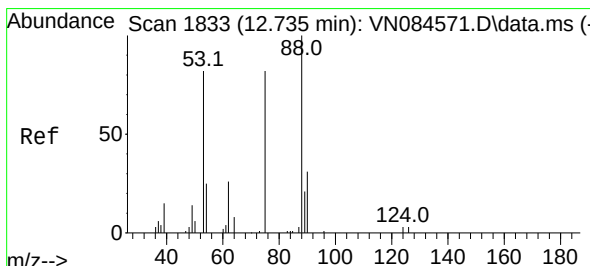
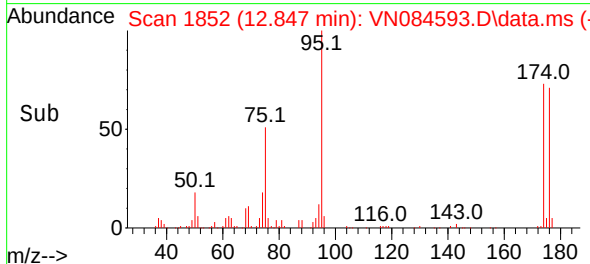
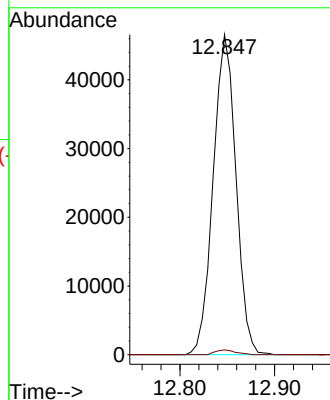
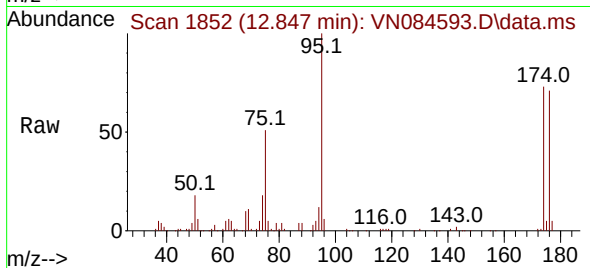
BP-F12

Tgt Ion: 75 Resp: 77869

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.791 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084593.D

Acq: 31 Oct 2024 02:09

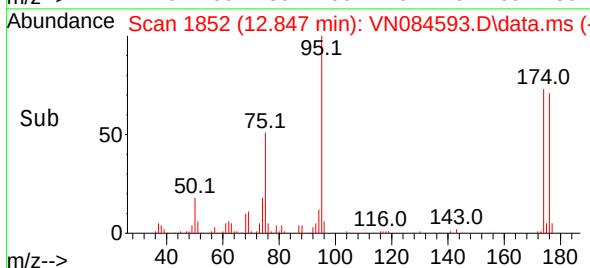
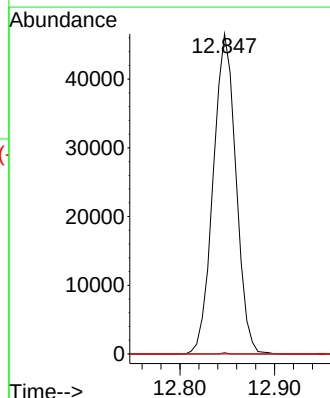
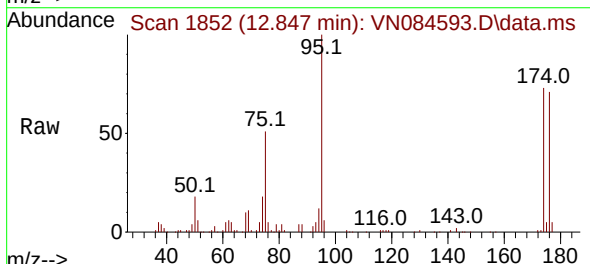
Tgt Ion: 75 Resp: 77869

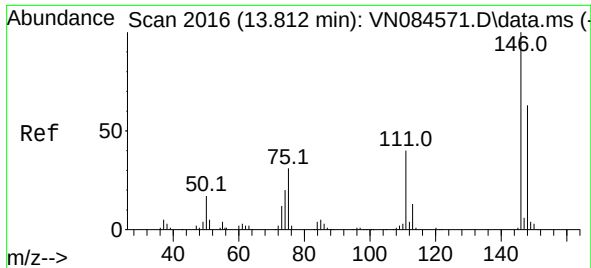
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.812 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN084593.D

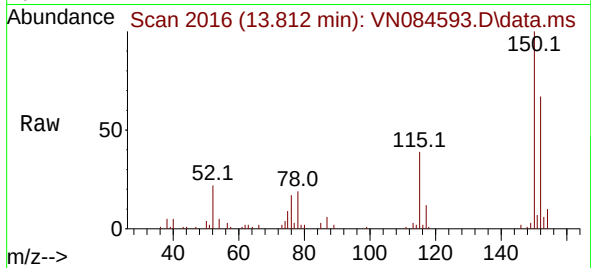
Acq: 31 Oct 2024 02:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F12



Tgt Ion:146 Resp: 175

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

