

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084758.D
 Acq On : 08 Nov 2024 18:32
 Operator : JC\MD
 Sample : P4739-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-G2

Quant Time: Nov 08 22:36:02 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)

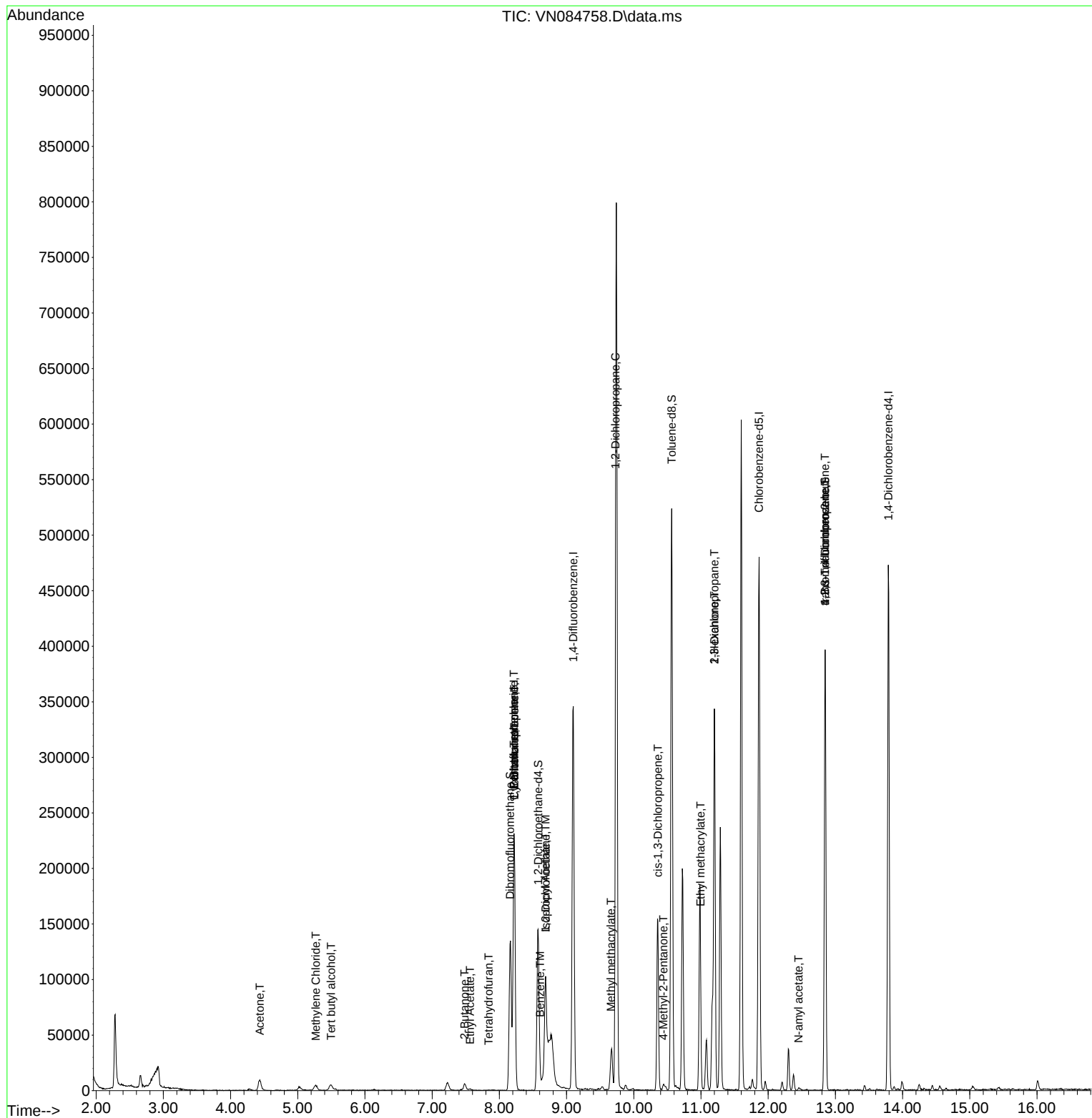
Internal Standards						
1) Pentafluorobenzene	8.218	168	166644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119846	49.793	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.580%
35) Dibromofluoromethane	8.159	113	97653	47.750	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.500%
50) Toluene-d8	10.565	98	362890	48.171	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.847	95	141293	50.184	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	681	Below Cal	#	41
6) Chloroethane	3.136	64	198	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	5329	16.773	ug/l #	73
16) Acetone	4.436	43	18587	24.157	ug/l	97
18) Methyl Acetate	5.018	43	6697	Below Cal	#	74
20) Methylene Chloride	5.271	84	4031	1.904	ug/l #	75
25) 2-Butanone	7.483	43	9941	8.853	ug/l	98
29) Tetrahydrofuran	7.841	42	300	0.403	ug/l #	34
31) Cyclohexane	8.224	56	3266	0.983	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13903	4.902	ug/l #	49
37) Ethyl Acetate	7.565	43	2477	0.963	ug/l #	77
38) Carbon Tetrachloride	8.218	117	18011	5.681	ug/l #	15
40) Benzene	8.606	78	9511	1.044	ug/l	95
42) 1,2-Dichloroethane	8.688	62	706	0.239	ug/l #	75
43) Isopropyl Acetate	8.688	43	133630	27.678	ug/l #	81
45) 1,2-Dichloropropane	9.730	63	1107	0.518	ug/l #	44
48) Methyl methacrylate	9.659	41	3221	1.608	ug/l #	38
51) 4-Methyl-2-Pentanone	10.441	43	3306	1.348	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	28200	8.099	ug/l #	61
56) Ethyl methacrylate	10.994	69	1076	0.371	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3684	1.070	ug/l #	42
59) 2-Hexanone	11.200	43	43179	24.182	ug/l	65
74) N-amyl acetate	12.453	43	2142	0.565	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	73305	28.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73305	68.431	ug/l #	11

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

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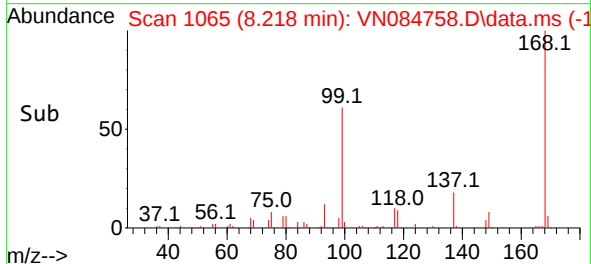
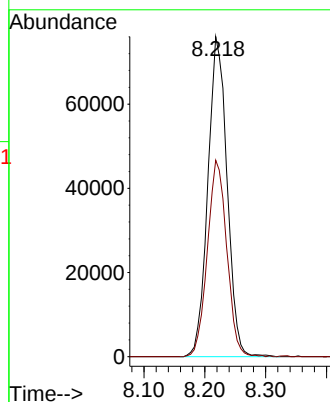
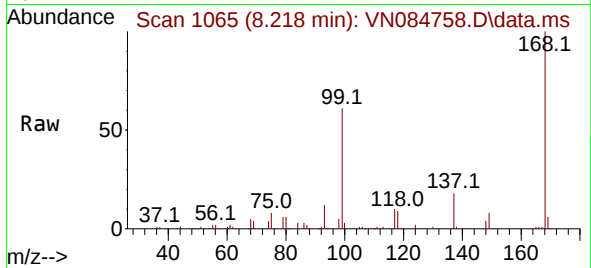




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

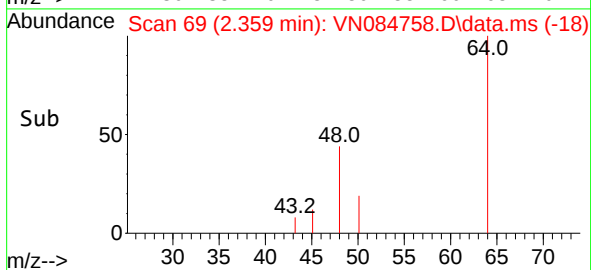
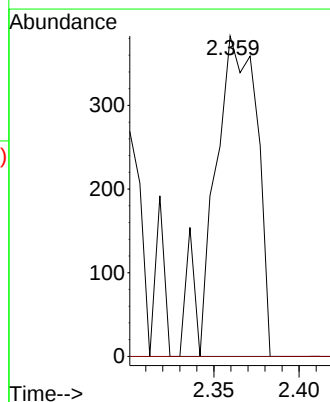
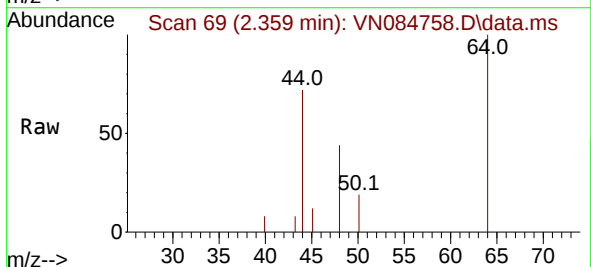
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

Tgt Ion:168 Resp: 166644
Ion Ratio Lower Upper
168 100
99 61.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 50 Resp: 681
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

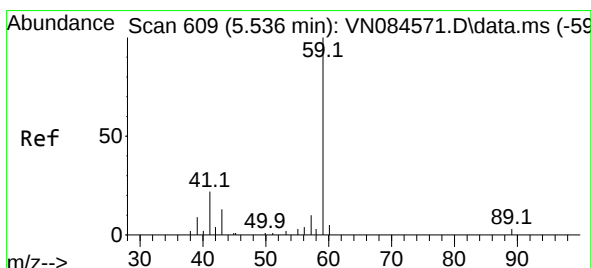
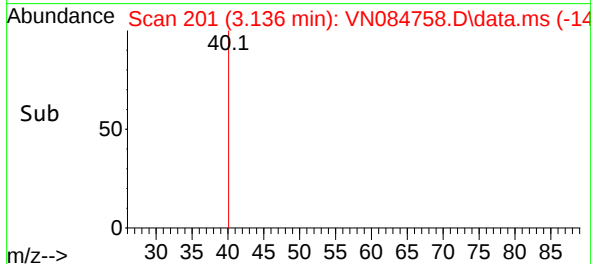
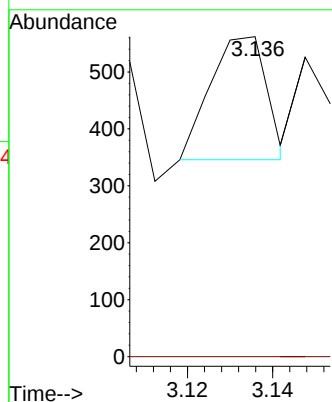
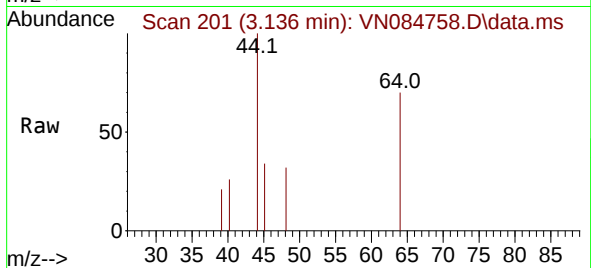




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

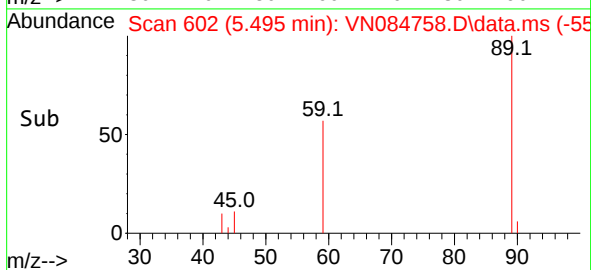
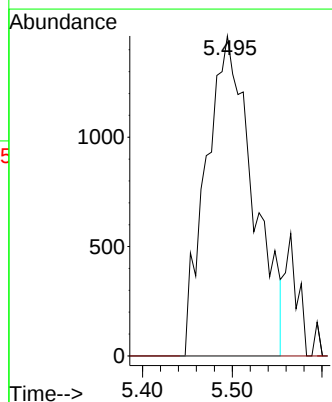
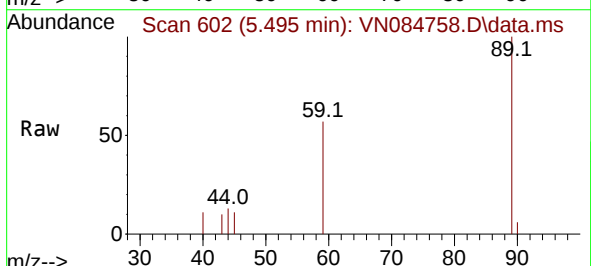
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

Tgt Ion: 64 Resp: 198
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 16.773 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 59 Resp: 5329
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

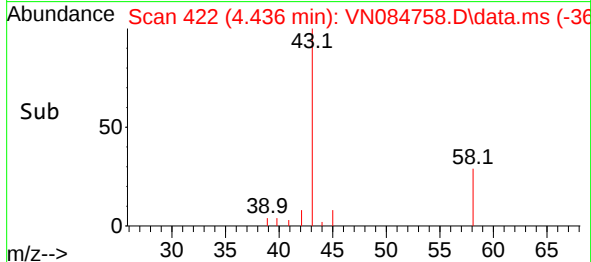
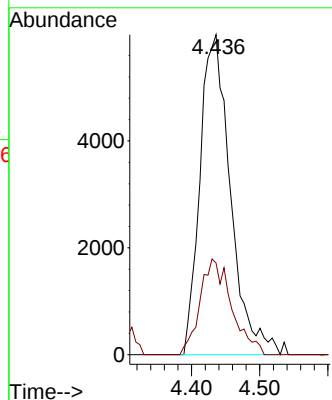
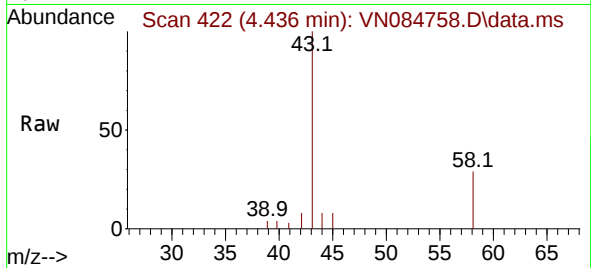




#16
Acetone
Concen: 24.157 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

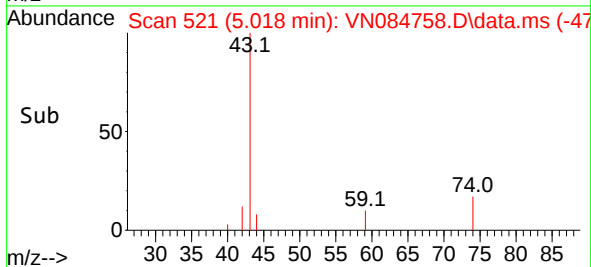
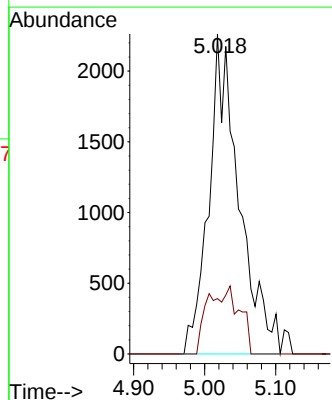
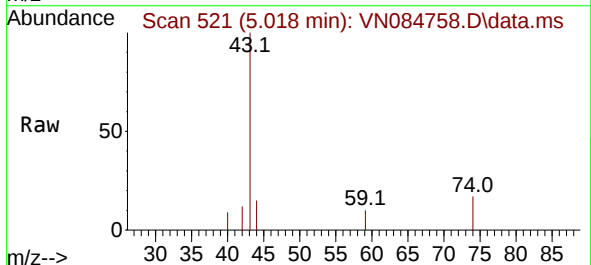
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

Tgt Ion: 43 Resp: 18587
Ion Ratio Lower Upper
43 100
58 28.7 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 43 Resp: 6697
Ion Ratio Lower Upper
43 100
74 11.1 19.2 28.8#

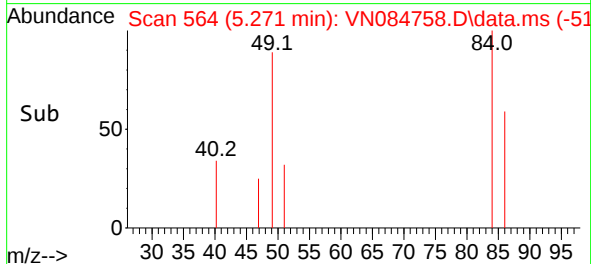
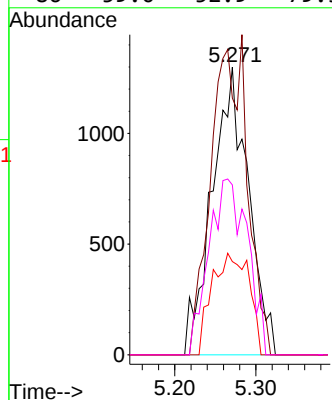
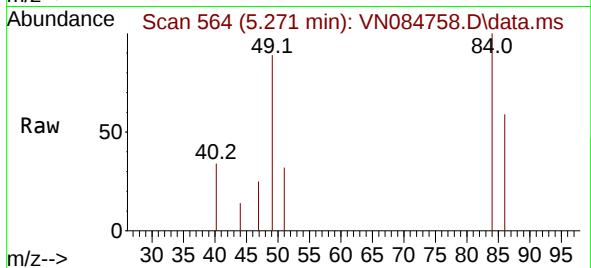




#20
Methylene Chloride
Concen: 1.904 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

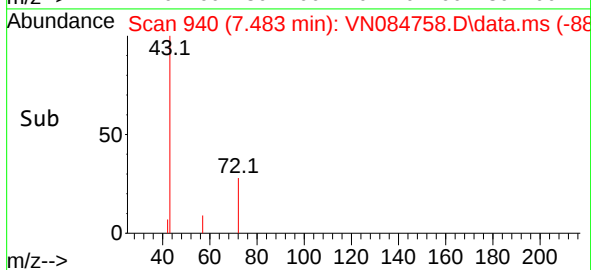
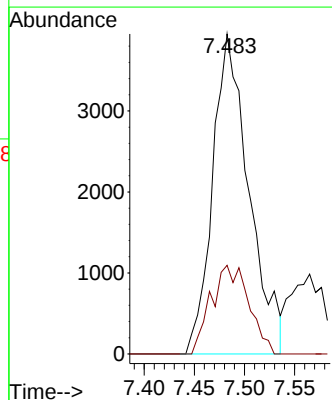
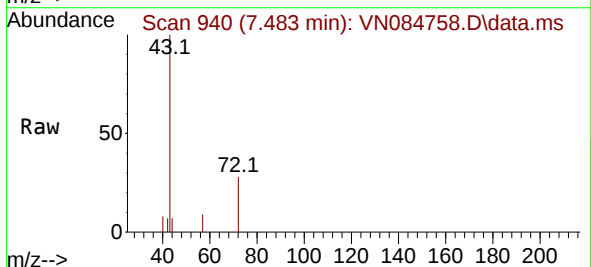
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

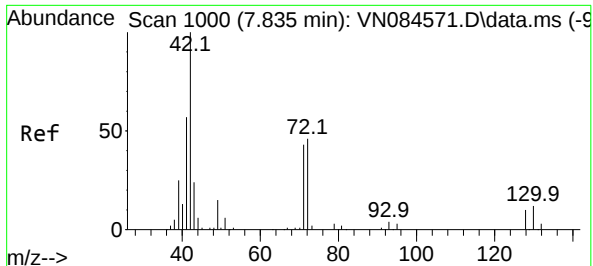
Tgt Ion:	84	Resp:	4031
Ion	Ratio	Lower	Upper
84	100		
49	89.3	107.2	160.8#
51	32.4	31.8	47.8
86	59.0	52.9	79.3



#25
2-Butanone
Concen: 8.853 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion:	43	Resp:	9941
Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.403 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-G2

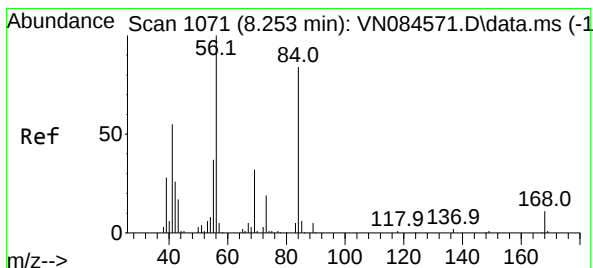
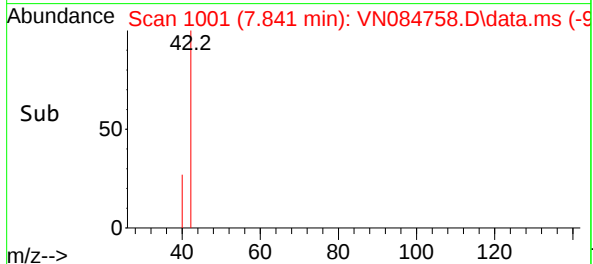
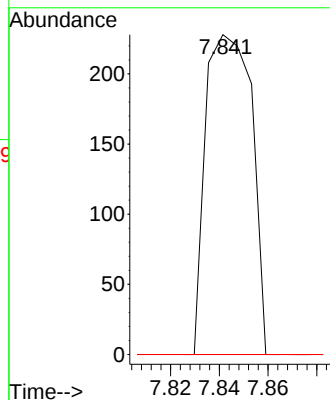
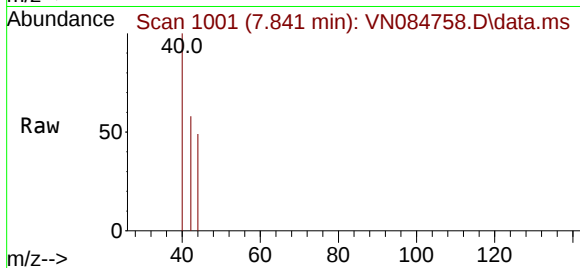
Tgt Ion: 42 Resp: 300

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 0.983 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

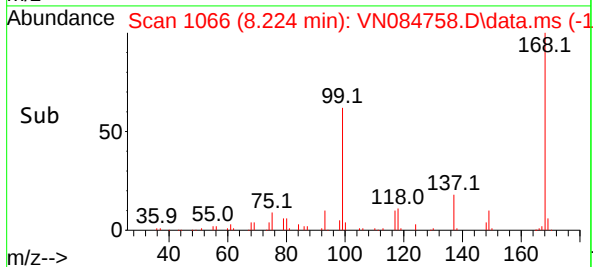
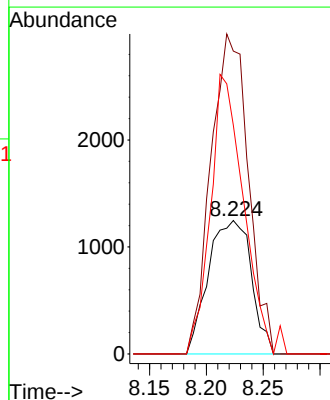
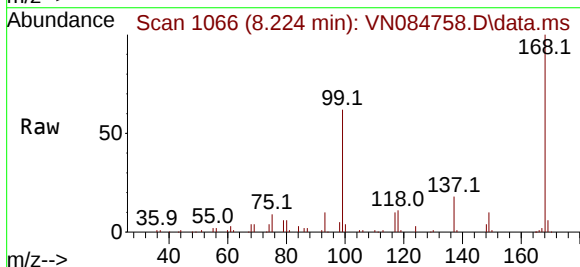
Tgt Ion: 56 Resp: 3266

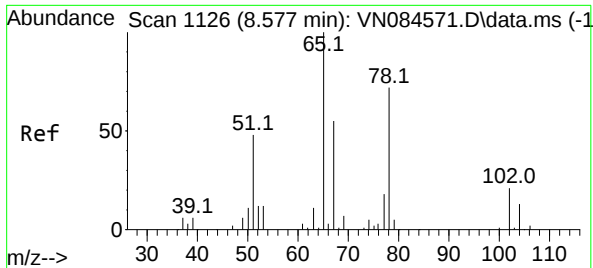
Ion Ratio Lower Upper

56 100

69 227.0 23.8 35.6#

84 171.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.793 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

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Acq: 08 Nov 2024 18:32

Instrument :

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ClientSampleId :

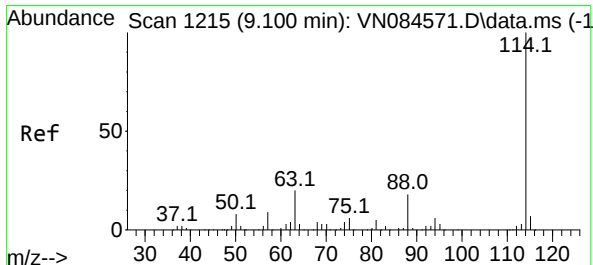
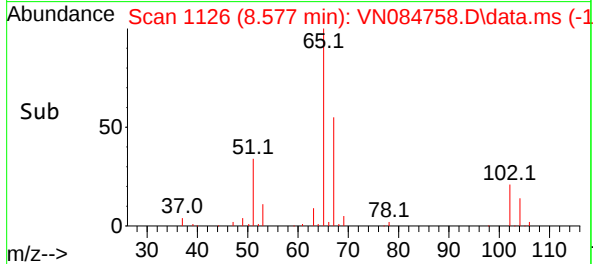
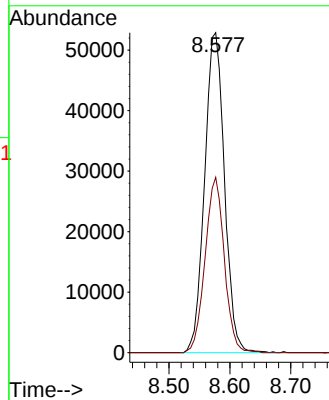
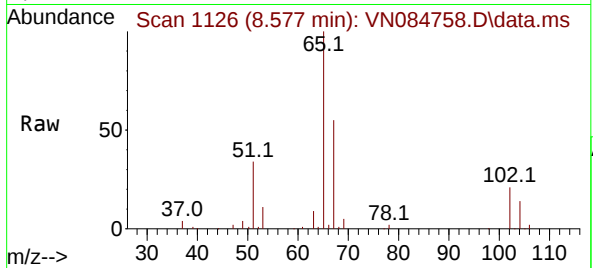
BP-G2

Tgt Ion: 65 Resp: 119846

Ion Ratio Lower Upper

65 100

67 53.1 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: VN084758.D

Acq: 08 Nov 2024 18:32

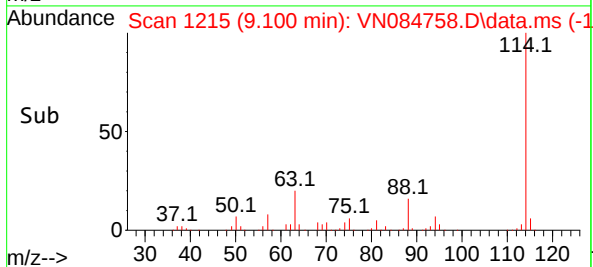
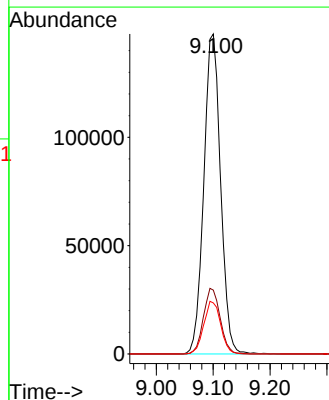
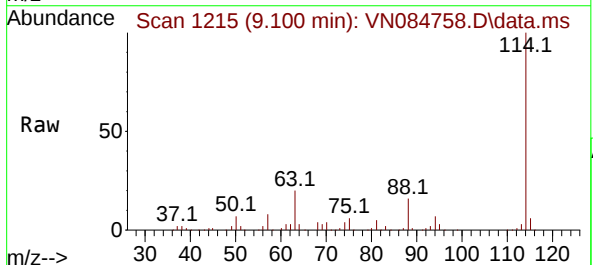
Tgt Ion: 114 Resp: 302134

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.750 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-G2

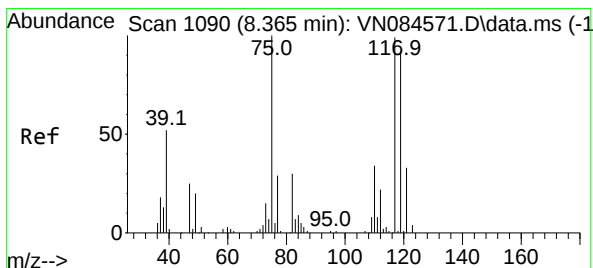
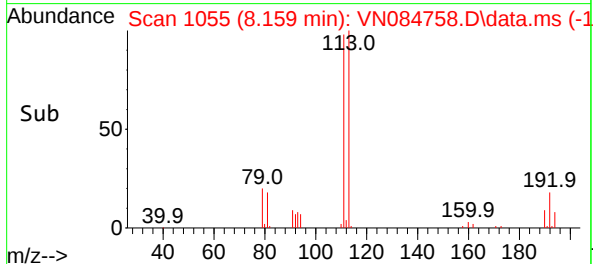
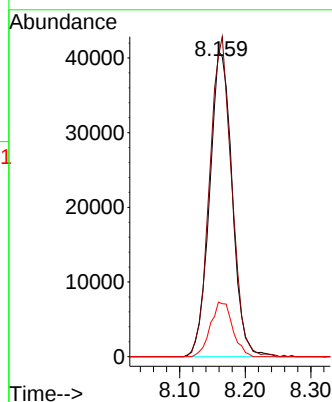
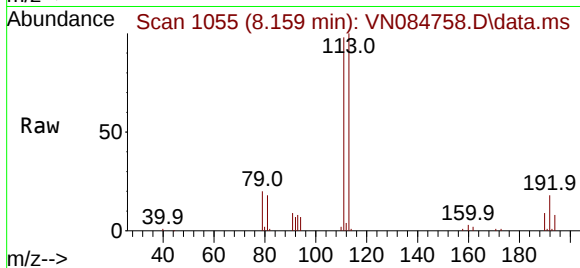
Tgt Ion:113 Resp: 97653

Ion Ratio Lower Upper

113 100

111 102.9 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.902 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

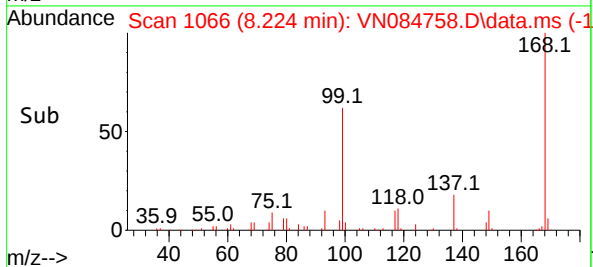
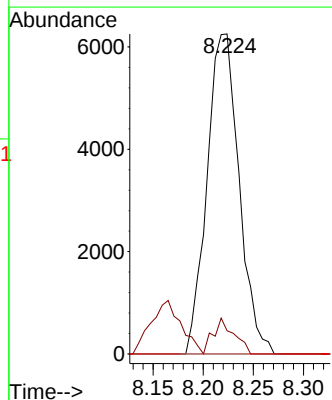
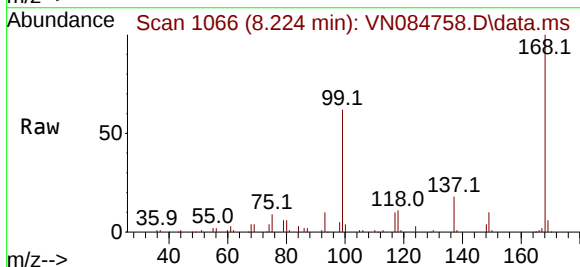
Tgt Ion: 75 Resp: 13903

Ion Ratio Lower Upper

75 100

110 7.2 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.963 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-G2

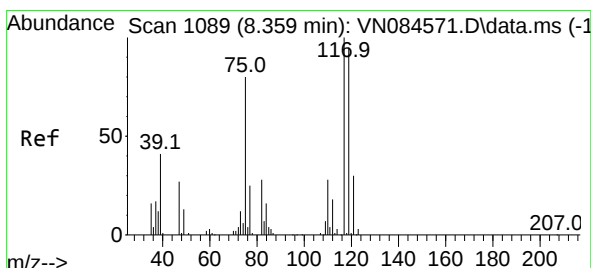
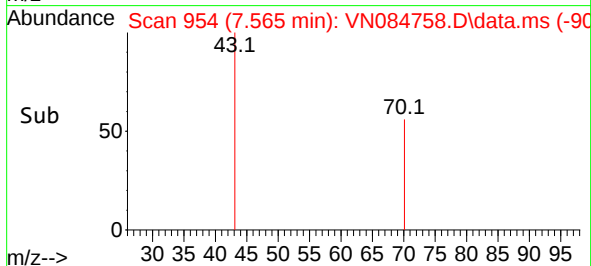
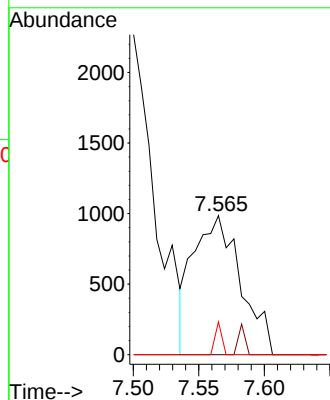
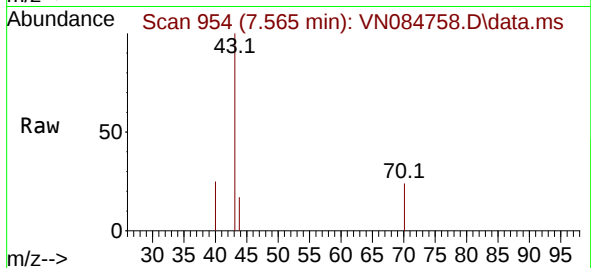
Tgt Ion: 43 Resp: 2477

Ion Ratio Lower Upper

43 100

61 3.1 10.7 16.1#

70 3.3 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

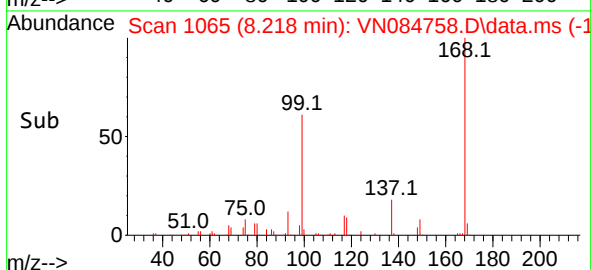
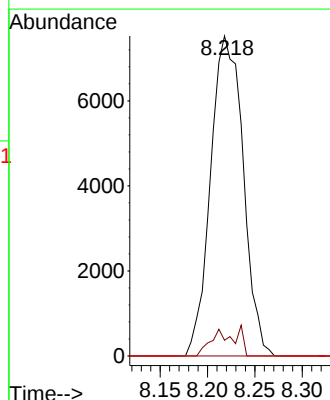
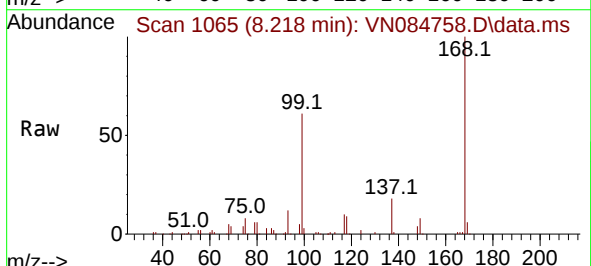
Tgt Ion: 117 Resp: 18011

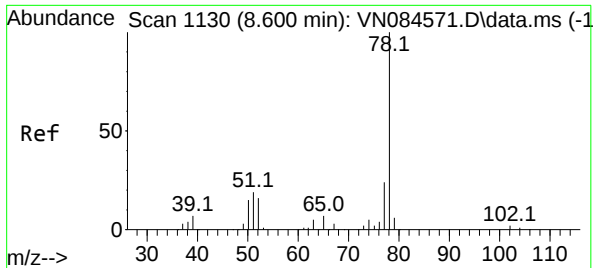
Ion Ratio Lower Upper

117 100

119 4.9 78.7 118.1#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 1.044 ug/l

RT: 8.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

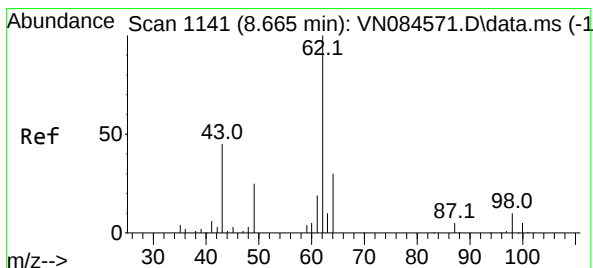
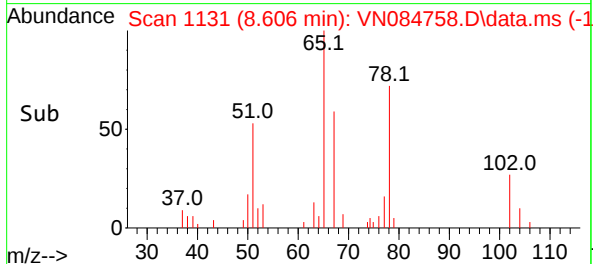
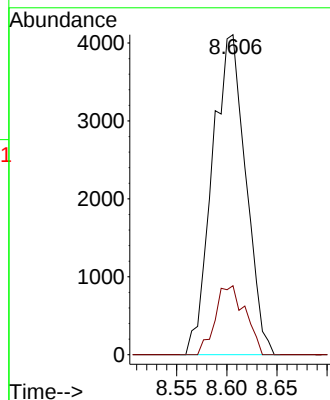
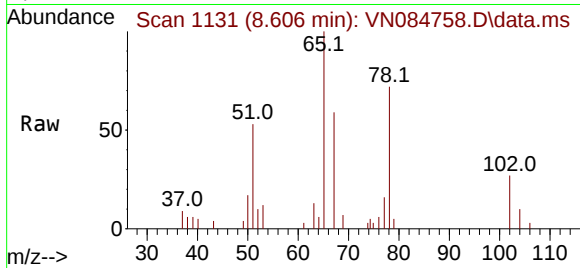
BP-G2

Tgt Ion: 78 Resp: 9511

Ion Ratio Lower Upper

78 100

77 21.5 19.1 28.7



#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN084758.D

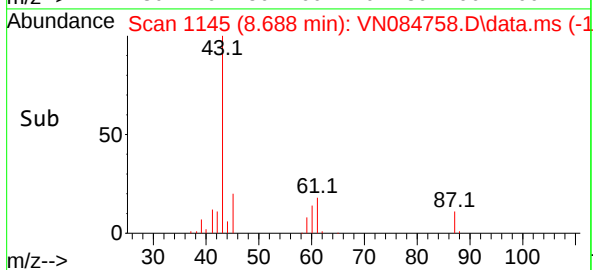
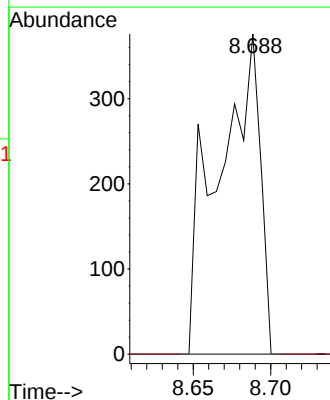
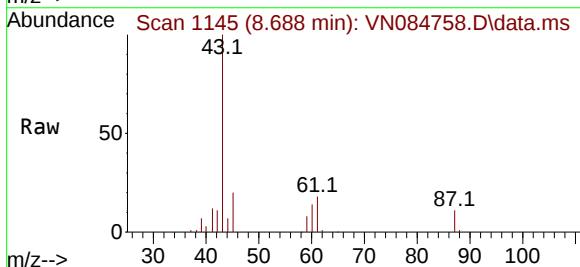
Acq: 08 Nov 2024 18:32

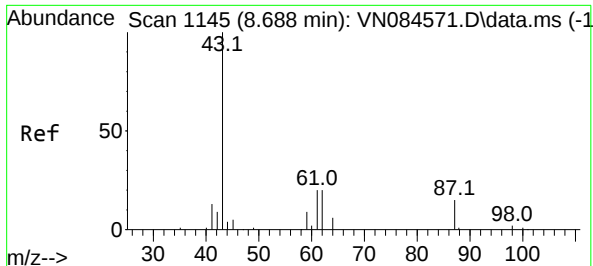
Tgt Ion: 62 Resp: 706

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

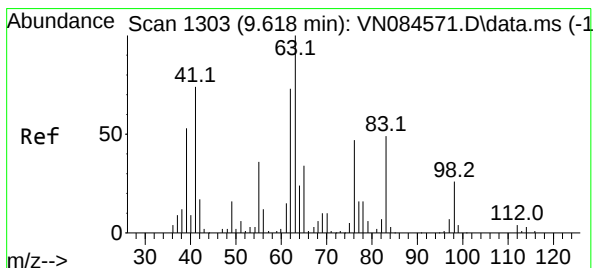
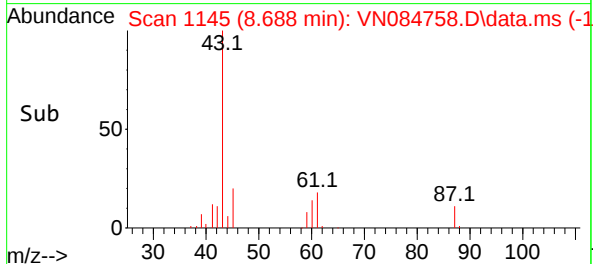
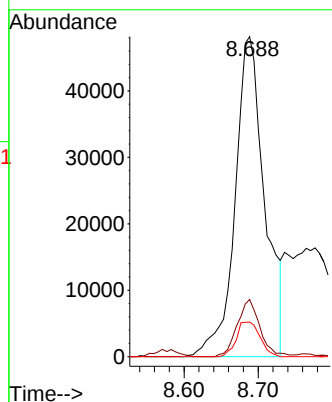
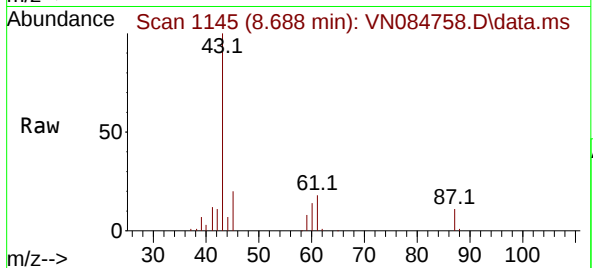




#43
Isopropyl Acetate
Concen: 27.678 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

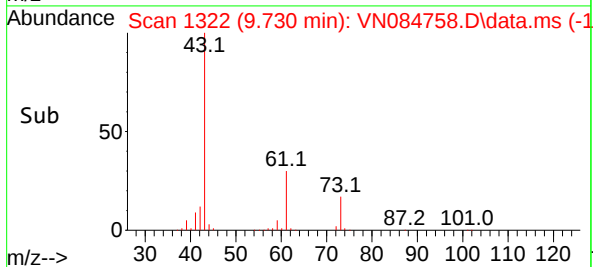
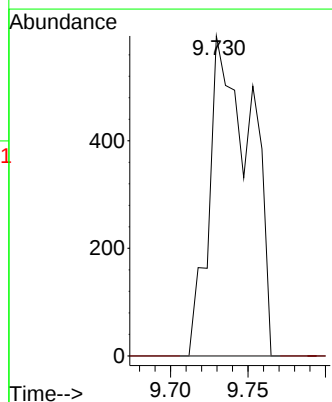
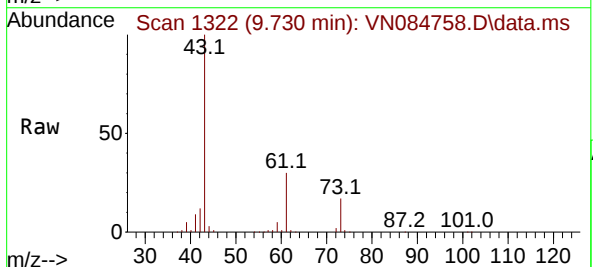
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

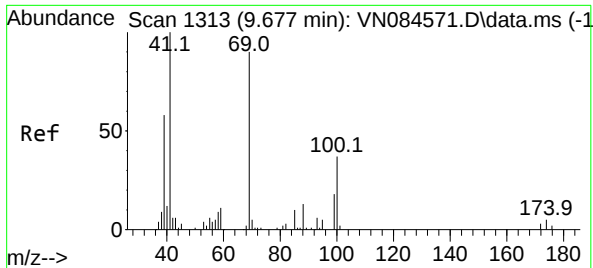
Tgt Ion: 43 Resp: 133630
Ion Ratio Lower Upper
43 100
61 13.8 20.4 30.6#
87 8.6 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.518 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 63 Resp: 1107
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

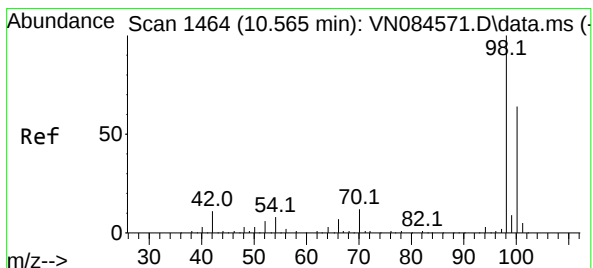
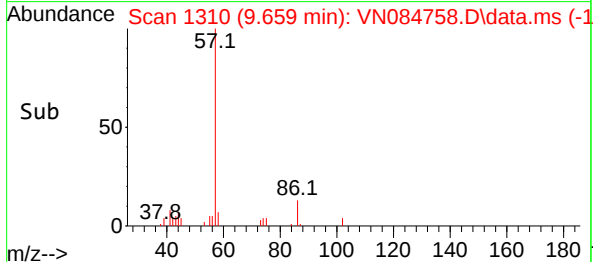
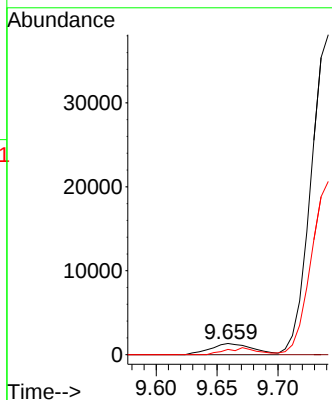
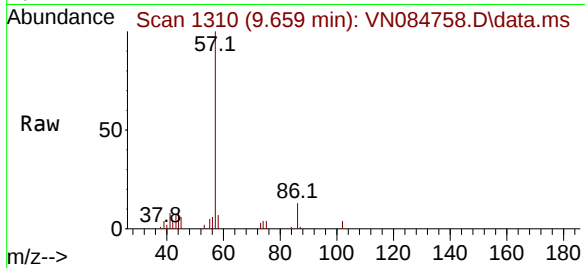




#48
Methyl methacrylate
Concen: 1.608 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

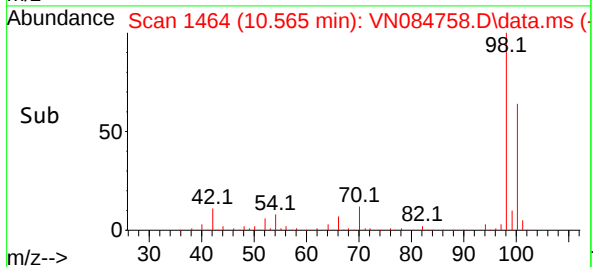
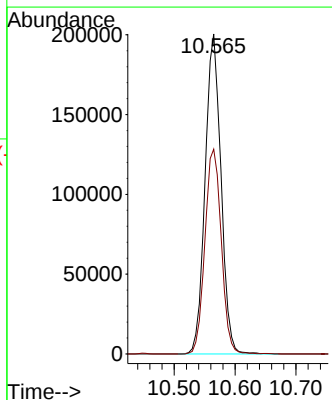
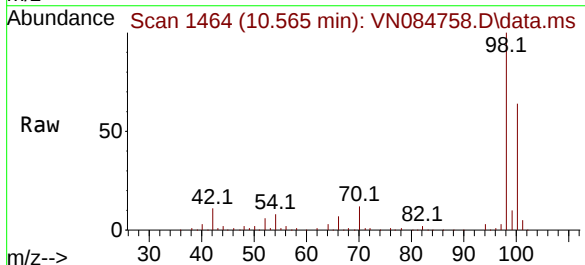
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

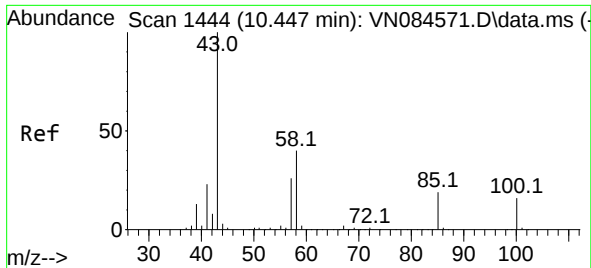
Tgt Ion: 41 Resp: 3221
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 45.1 45.8 68.6#



#50
Toluene-d8
Concen: 48.171 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 98 Resp: 362890
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

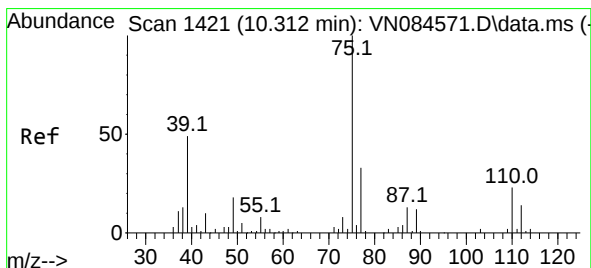
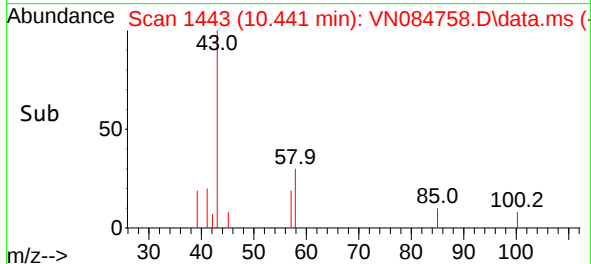
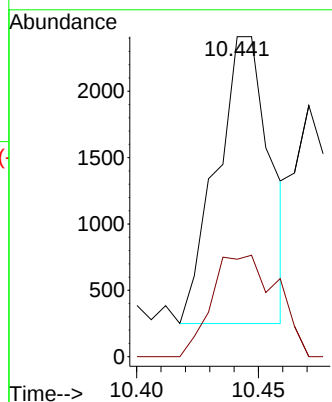
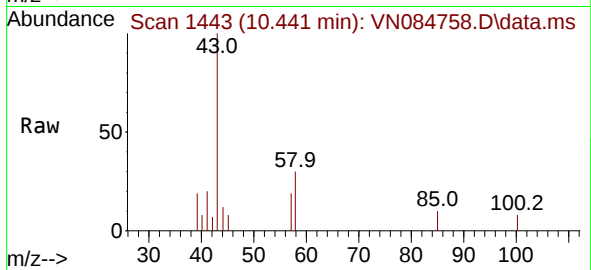




#51
4-Methyl-2-Pentanone
Concen: 1.348 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

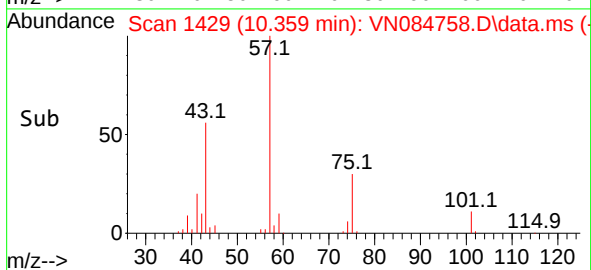
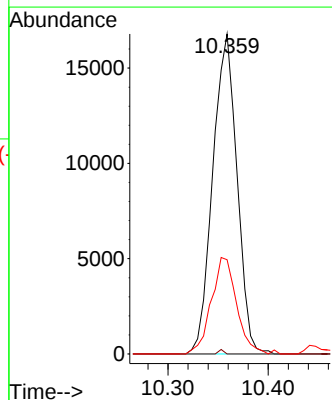
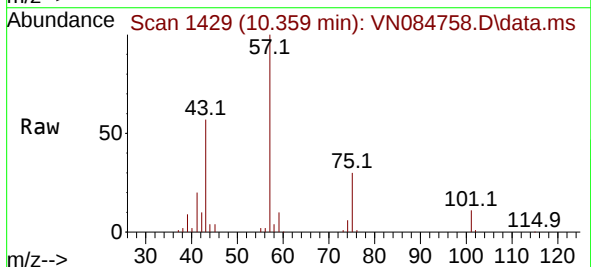
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

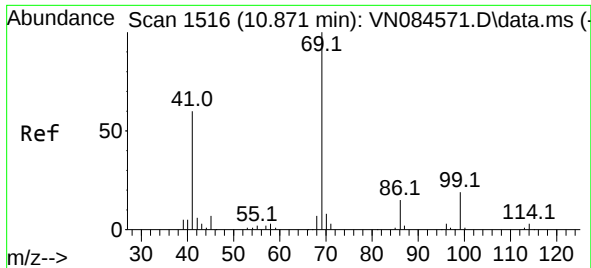
Tgt Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
58 43.1 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 8.099 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 75 Resp: 28200
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 29.4 38.7 58.1#

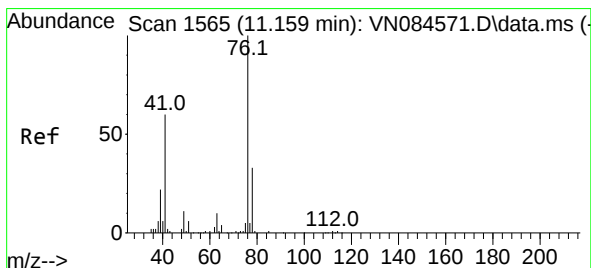
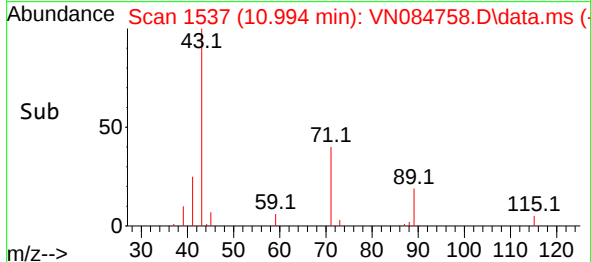
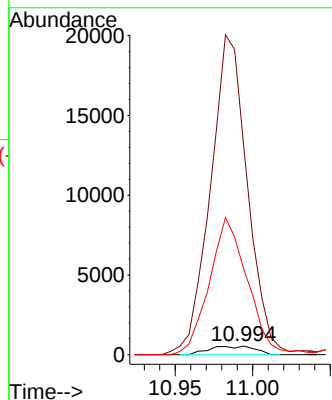
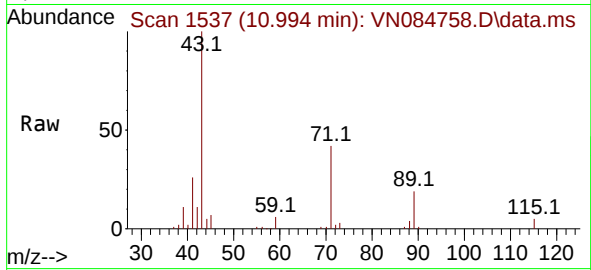




#56
Ethyl methacrylate
Concen: 0.371 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.124 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

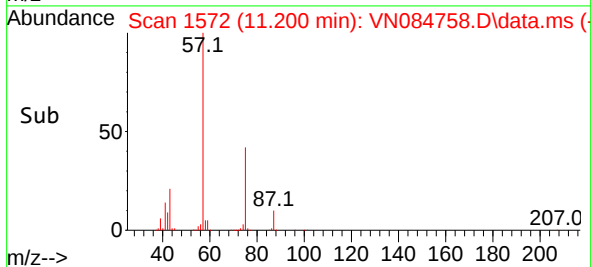
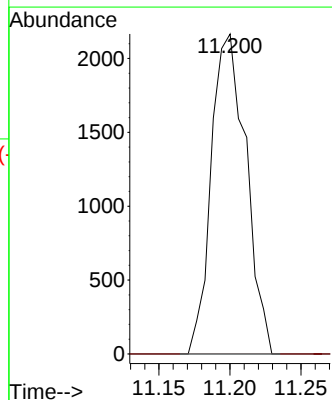
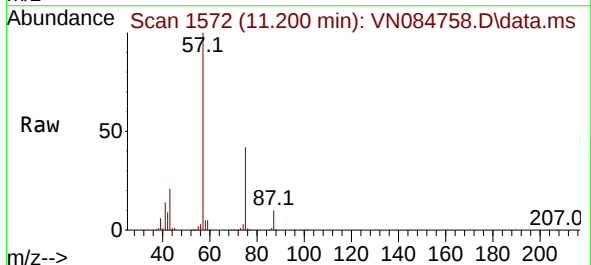
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

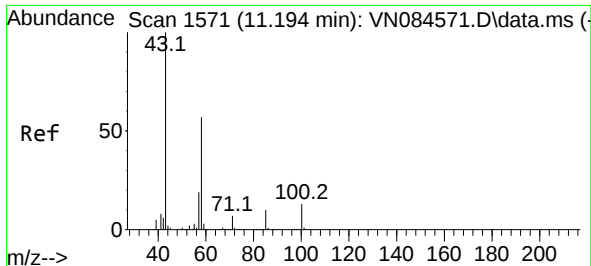
Tgt Ion: 69 Resp: 1076
Ion Ratio Lower Upper
69 100
41 3099.3 53.3 79.9#
39 1370.5 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.070 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 76 Resp: 3684
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

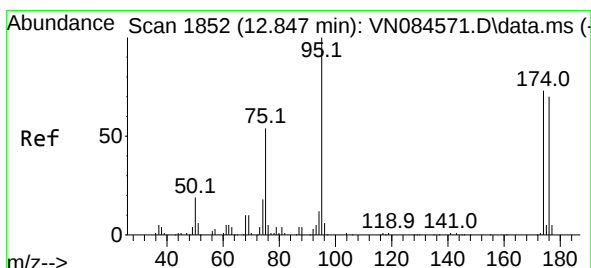
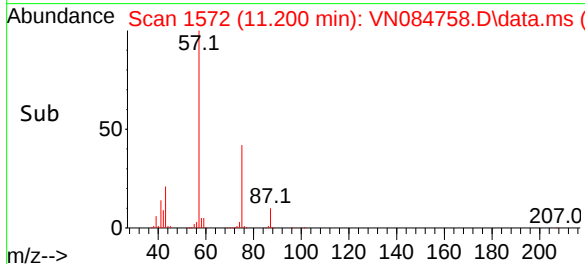
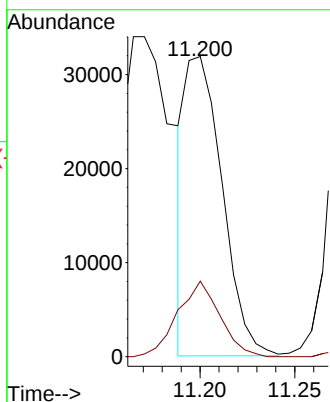
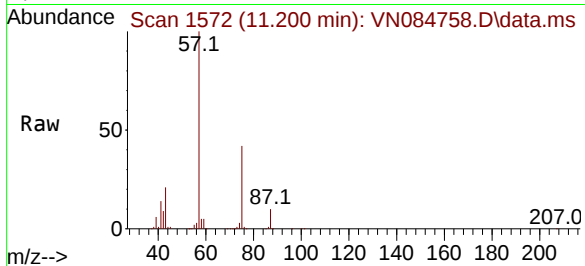




#59
2-Hexanone
Concen: 24.182 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

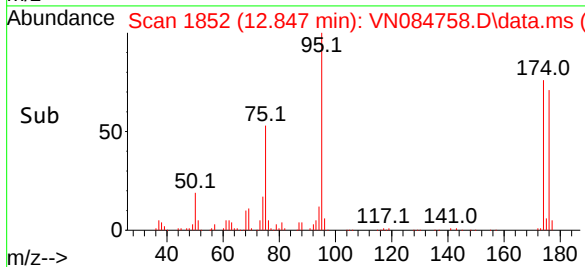
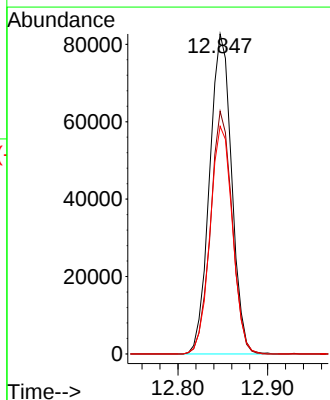
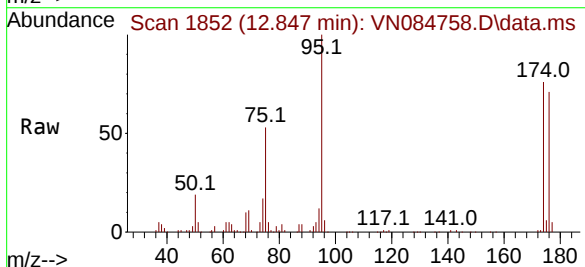
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

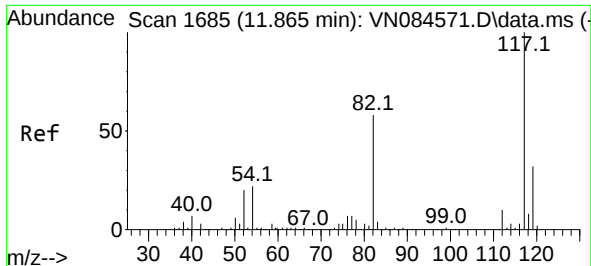
Tgt Ion: 43 Resp: 43179
Ion Ratio Lower Upper
43 100
58 29.0 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 50.184 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion: 95 Resp: 141293
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.2
176 72.1 0.0 140.0

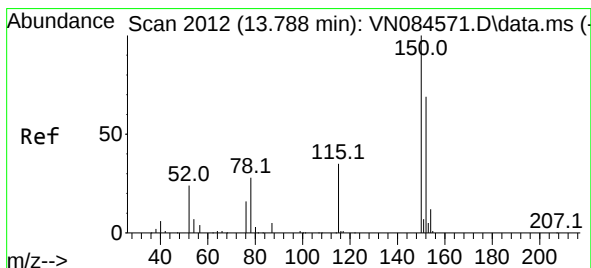
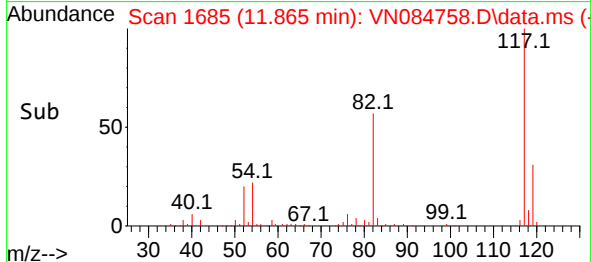
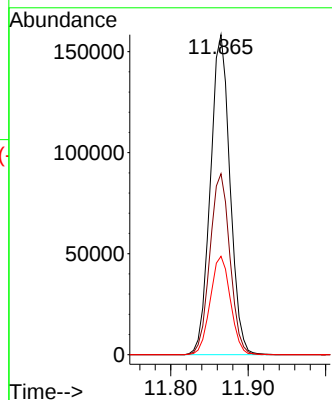
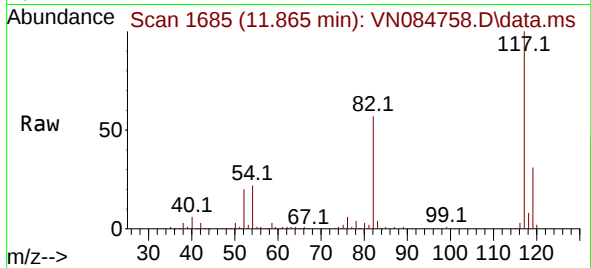




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

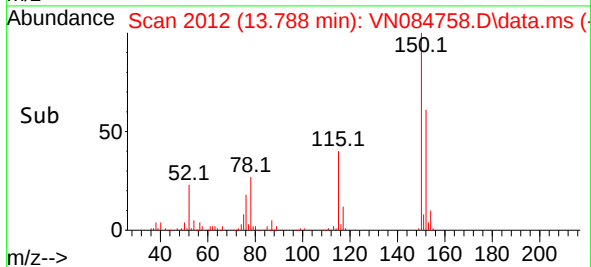
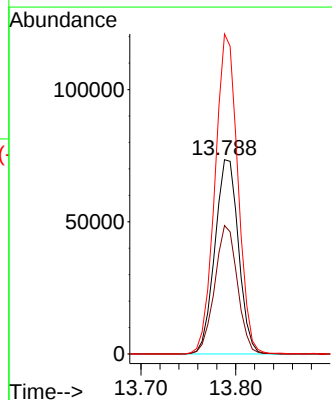
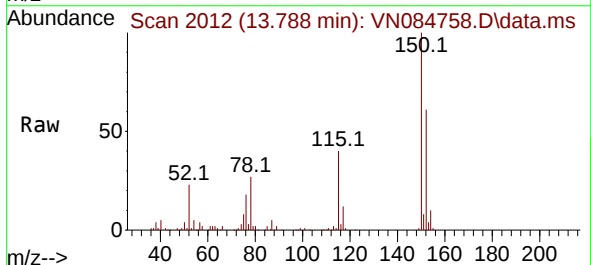
Instrument :
MSVOA_N
ClientSampleId :
BP-G2

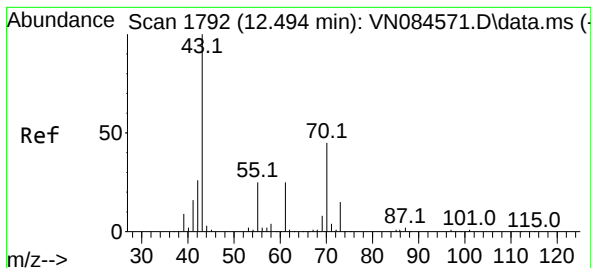
Tgt Ion:117 Resp: 279048
Ion Ratio Lower Upper
117 100
82 56.6 47.2 70.8
119 30.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Tgt Ion:152 Resp: 127135
Ion Ratio Lower Upper
152 100
115 63.8 31.3 93.9
150 159.7 0.0 349.8





#74

N-amy1 acetate

Concen: 0.565 ug/l

RT: 12.453 min Scan# 1

Delta R.T. -0.041 min

Lab File: VN084758.D

Acq: 08 Nov 2024 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-G2

Tgt Ion: 43 Resp: 2142

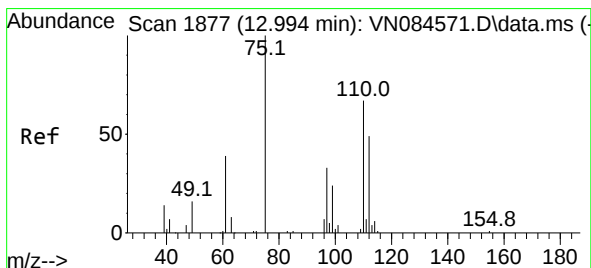
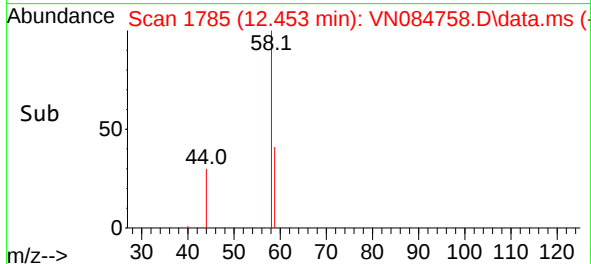
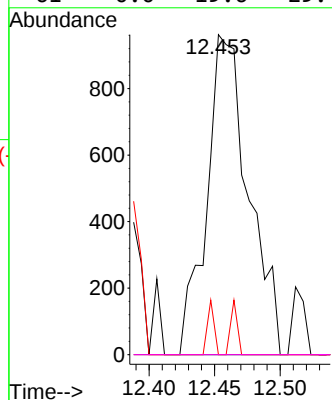
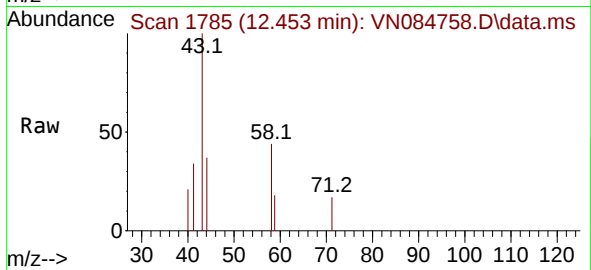
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 2.7 19.6 29.4#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.845 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084758.D

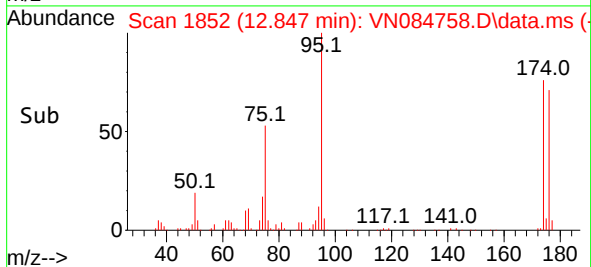
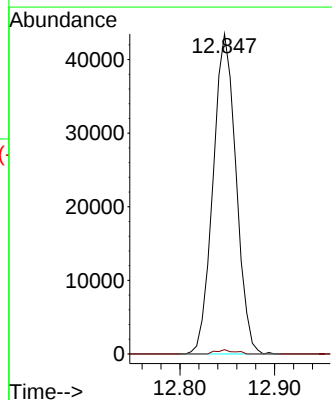
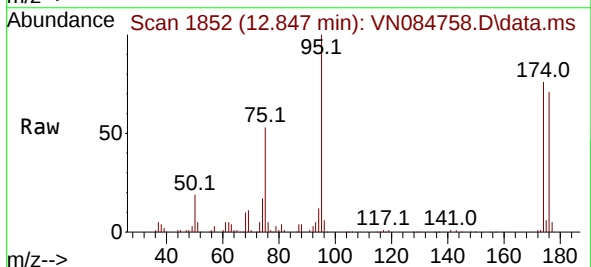
Acq: 08 Nov 2024 18:32

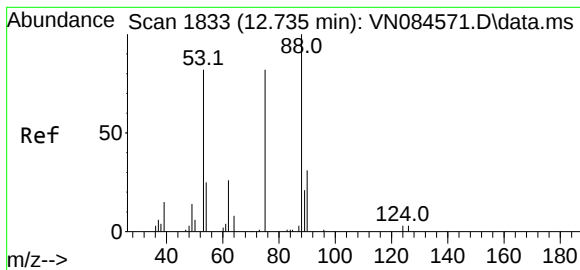
Tgt Ion: 75 Resp: 73305

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.431 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084758.D
Acq: 08 Nov 2024 18:32

Instrument :
MSVOA_N
ClientSampleId :
BP-G2

Tgt Ion: 75 Resp: 73305
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

