

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084752.D
 Acq On : 08 Nov 2024 16:08
 Operator : JC\MD
 Sample : P4774-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-GW-658-660

Quant Time: Nov 08 22:32:56 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

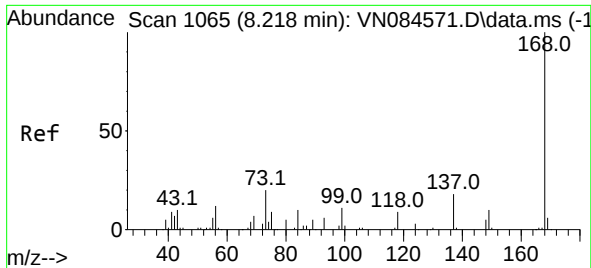
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	174093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123701	49.195	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.400%
35) Dibromofluoromethane	8.165	113	100456	48.791	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.580%
50) Toluene-d8	10.565	98	361418	47.654	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.847	95	140009	49.395	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	819	Below Cal	#	41
6) Chloroethane	3.118	64	214	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	4.347	101	3907	1.950	ug/l	94
12) 1,1-Dichloroethene	4.324	96	1142	0.576	ug/l #	76
16) Acetone	4.442	43	1990	Below Cal		100
18) Methyl Acetate	5.036	43	3528	Below Cal		97
24) 1,1-Dichloroethane	6.553	63	1748	0.456	ug/l #	83
27) cis-1,2-Dichloroethene	7.483	96	4061	1.708	ug/l	91
30) Chloroform	7.959	83	4303	1.102	ug/l	95
31) Cyclohexane	8.218	56	3674	1.058	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	13744	4.813	ug/l #	51
38) Carbon Tetrachloride	8.359	117	4738	1.485	ug/l #	89
39) Methylcyclohexane	9.353	83	9112	3.137	ug/l #	1
42) 1,2-Dichloroethane	8.665	62	629	0.212	ug/l #	75
43) Isopropyl Acetate	8.741	43	12332	1.643	ug/l #	56
44) Trichloroethene	9.347	130	719966	340.433	ug/l	96
45) 1,2-Dichloropropane	9.341	63	2069	0.962	ug/l #	1
49) 1,4-Dioxane	9.700	88	55	1.539	ug/l #	1
51) 4-Methyl-2-Pentanone	10.571	43	1451	0.588	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	3274	1.621	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	71723	27.705	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71723	65.727	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	154	Below Cal	#	1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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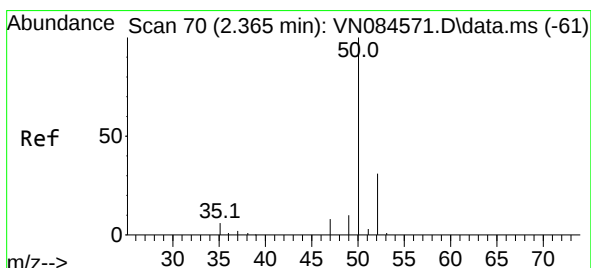
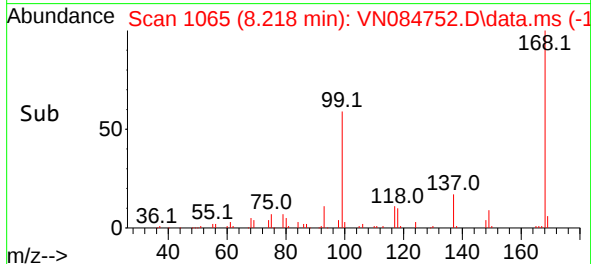
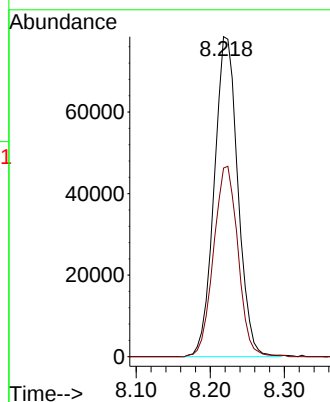
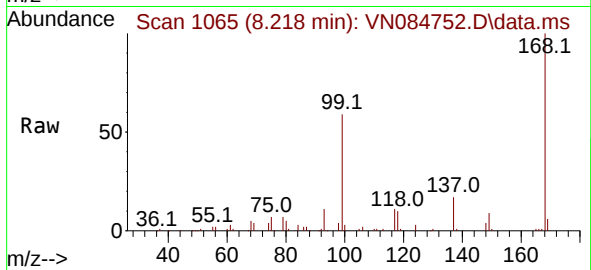




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

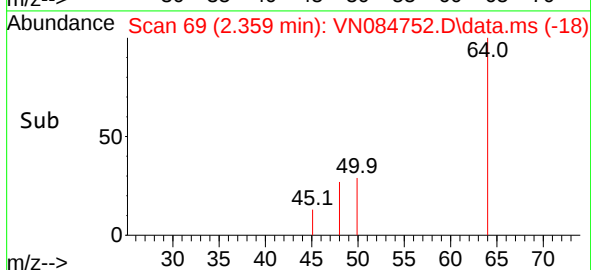
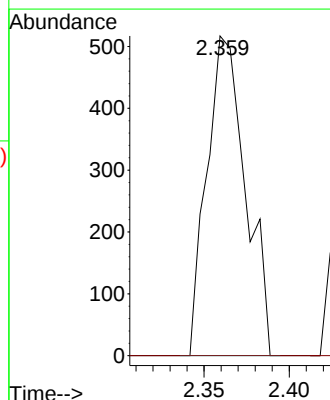
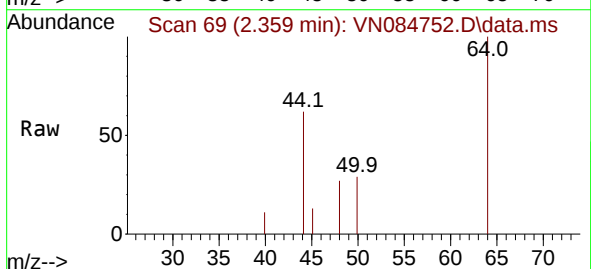
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

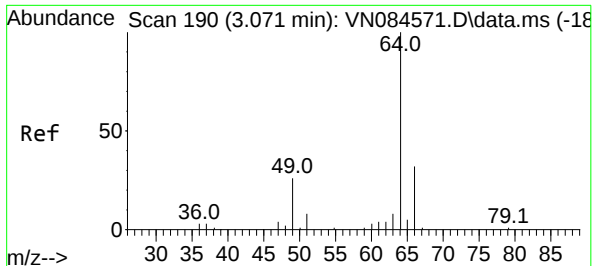
Tgt Ion:168 Resp: 174093
Ion Ratio Lower Upper
168 100
99 59.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 50 Resp: 819
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

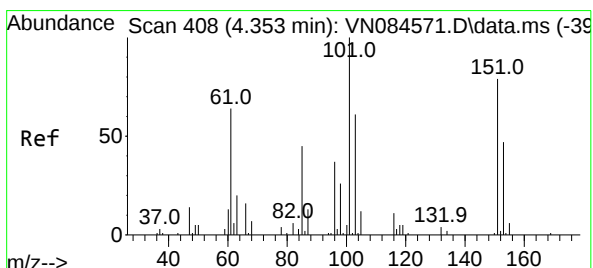
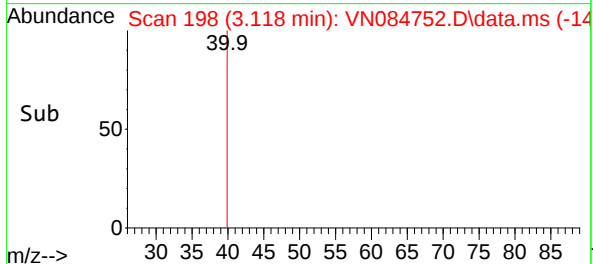
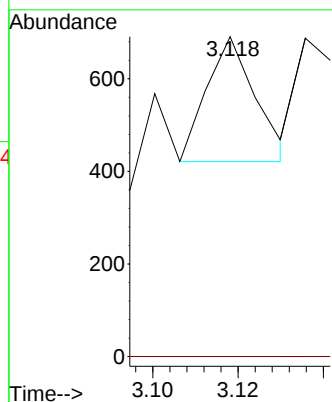
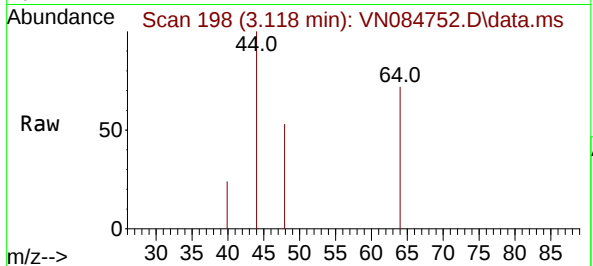




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

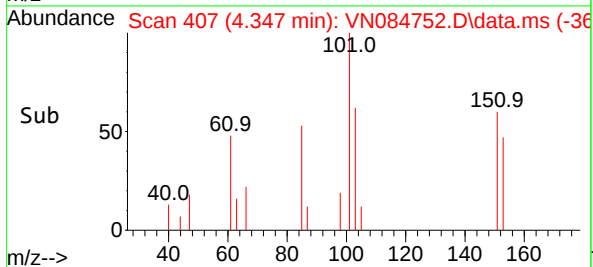
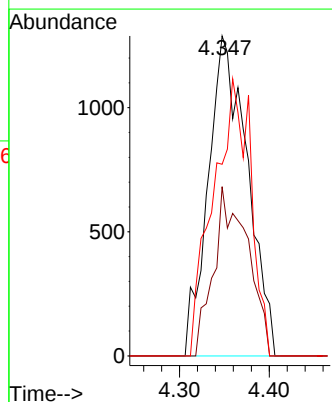
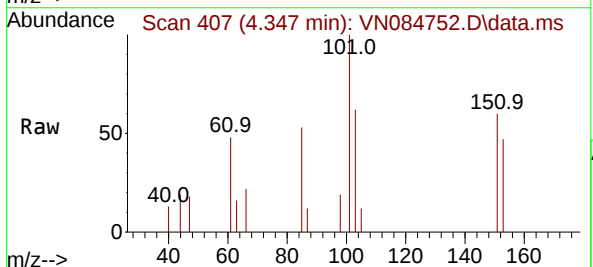
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

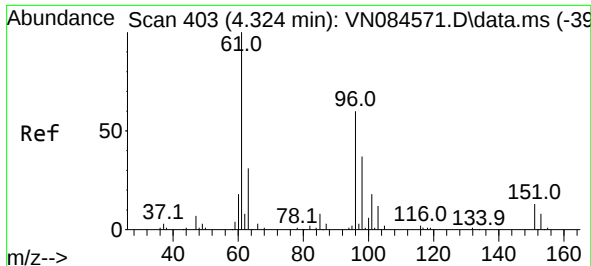
Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.950 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.024 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 101 Resp: 3907
Ion Ratio Lower Upper
101 100
85 45.9 36.2 54.4
151 82.4 59.3 88.9





#12

1,1-Dichloroethene

Concen: 0.576 ug/l

RT: 4.324 min Scan# 403

Delta R.T. -0.018 min

Lab File: VN084752.D

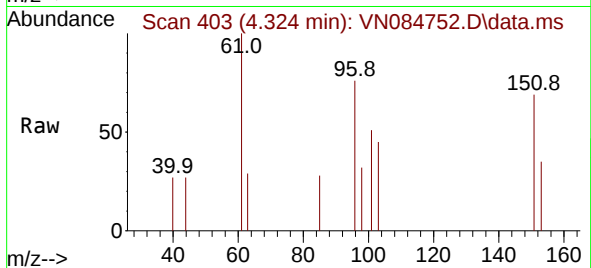
Acq: 08 Nov 2024 16:08

Instrument :

MSVOA_N

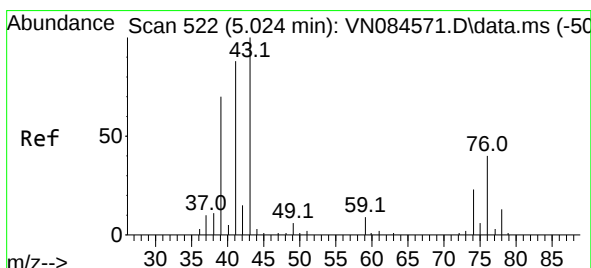
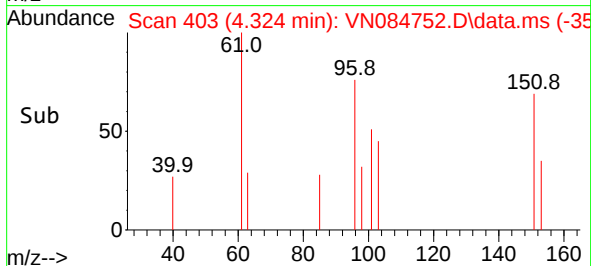
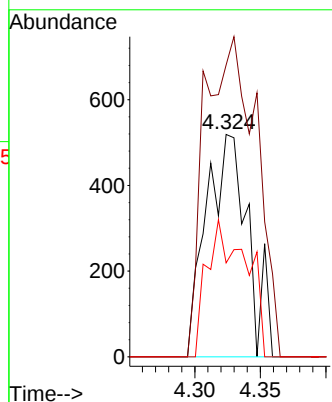
ClientSampleId :

BP-VPB-190-GW-658-660



Tgt Ion: 96 Resp: 1142

Ion	Ratio	Lower	Upper
96	100		
61	131.2	128.6	192.8
98	42.2	51.7	77.5#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 524

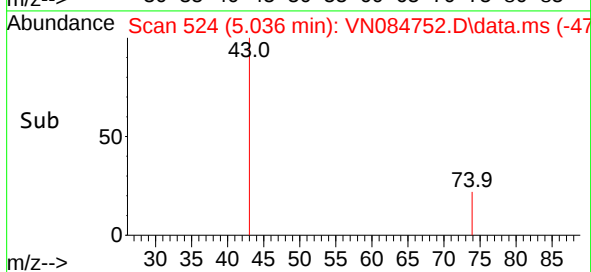
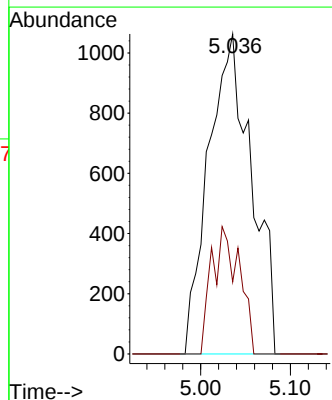
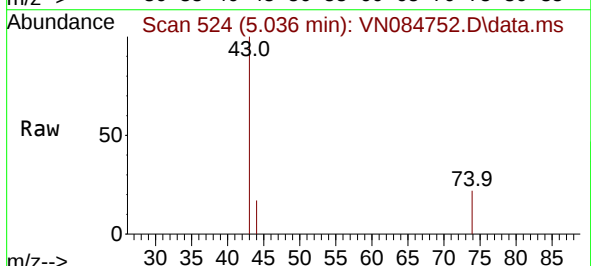
Delta R.T. 0.018 min

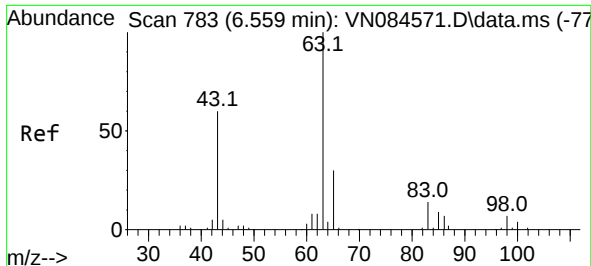
Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

Tgt Ion: 43 Resp: 3528

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8

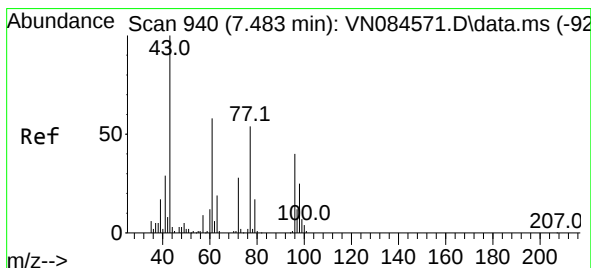
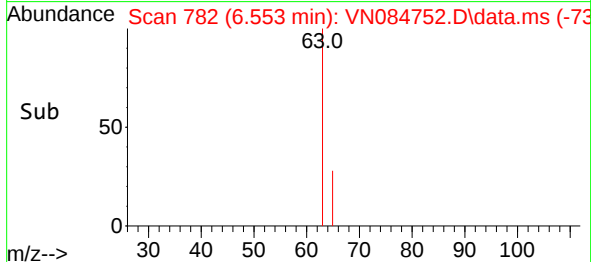
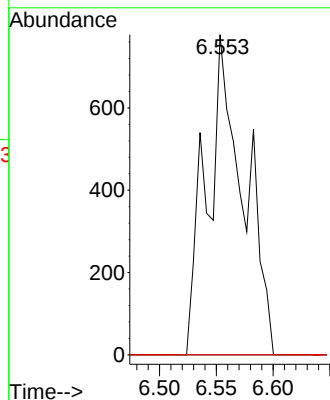
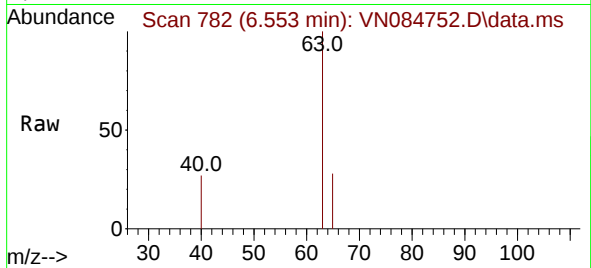




#24
1,1-Dichloroethane
Concen: 0.456 ug/l
RT: 6.553 min Scan# 71
Delta R.T. -0.018 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

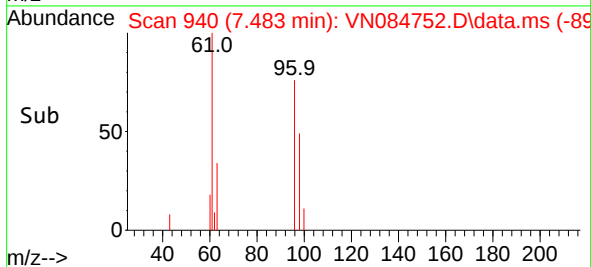
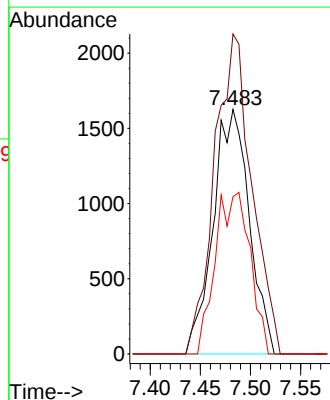
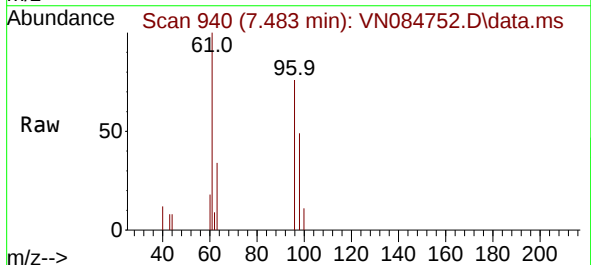
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

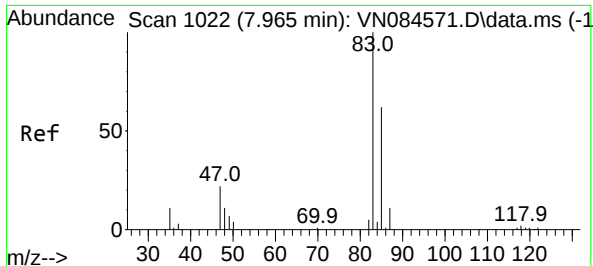
Tgt Ion: 63 Resp: 1748
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#



#27
cis-1,2-Dichloroethene
Concen: 1.708 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 96 Resp: 4061
Ion Ratio Lower Upper
96 100
61 135.2 0.0 301.8
98 63.7 0.0 128.2





#30

Chloroform

Concen: 1.102 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

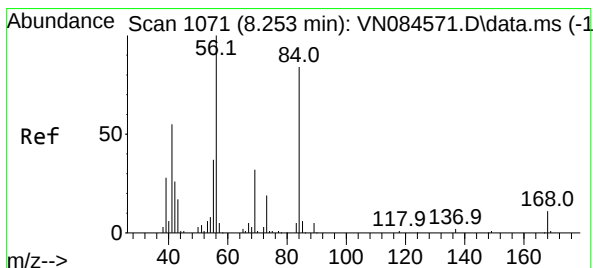
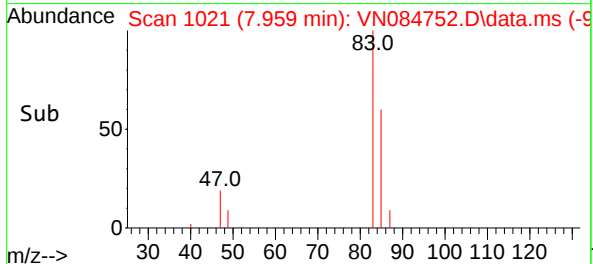
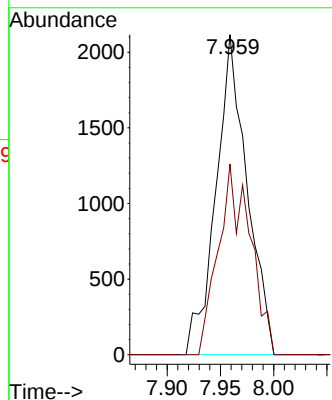
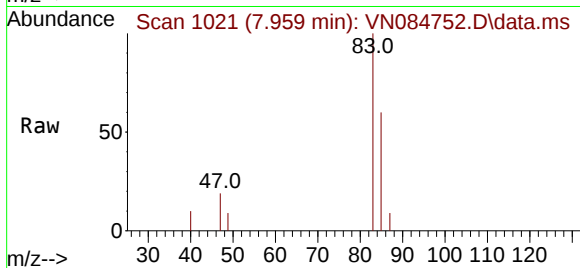
BP-VPB-190-GW-658-660

Tgt Ion: 83 Resp: 4303

Ion Ratio Lower Upper

83 100

85 59.5 51.0 76.4



#31

Cyclohexane

Concen: 1.058 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

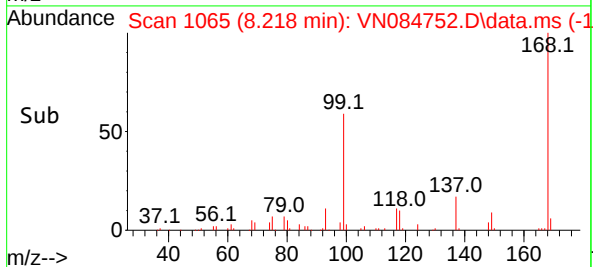
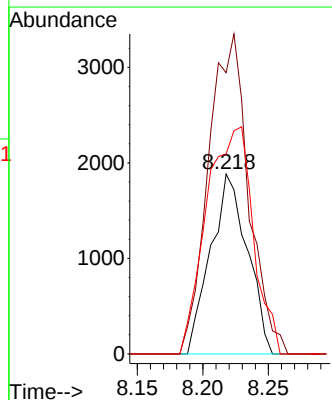
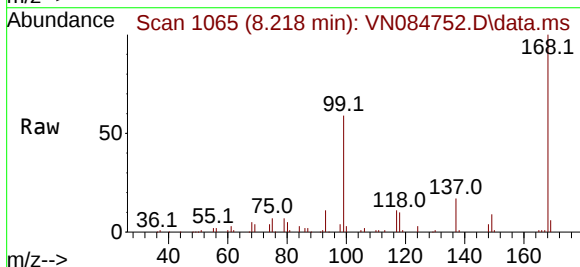
Tgt Ion: 56 Resp: 3674

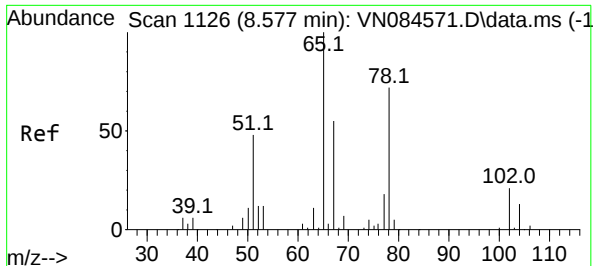
Ion Ratio Lower Upper

56 100

69 156.5 23.8 35.6#

84 111.3 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.195 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

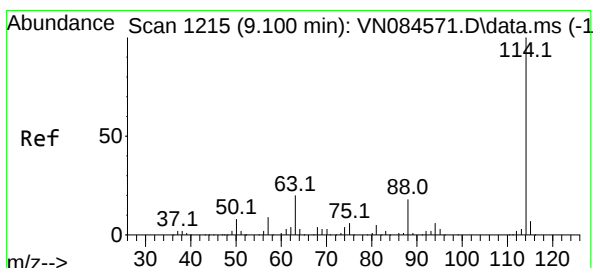
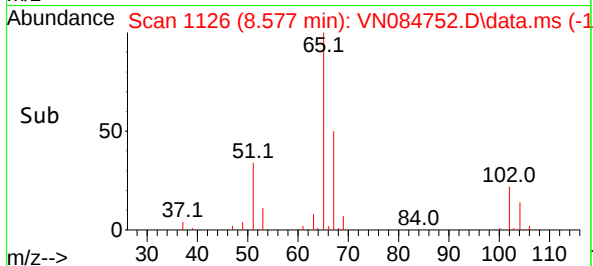
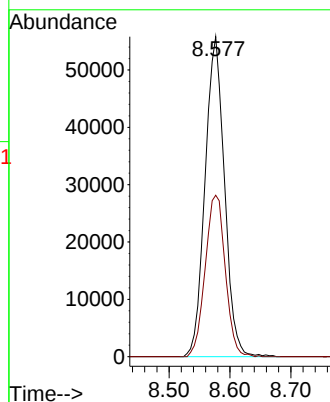
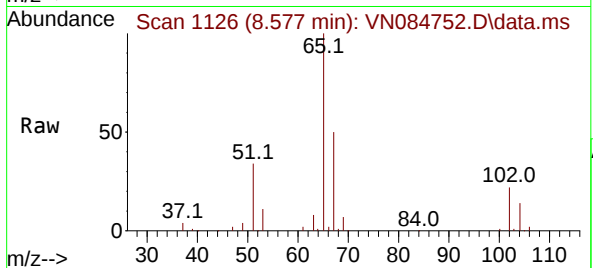
BP-VPB-190-GW-658-660

Tgt Ion: 65 Resp: 123701

Ion Ratio Lower Upper

65 100

67 52.2 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: VN084752.D

Acq: 08 Nov 2024 16:08

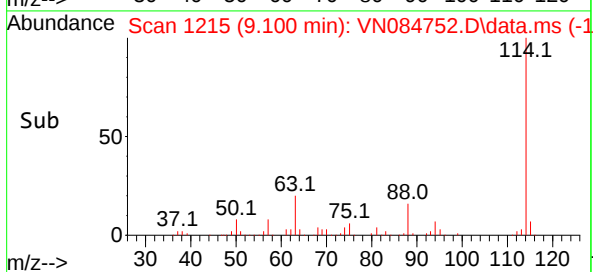
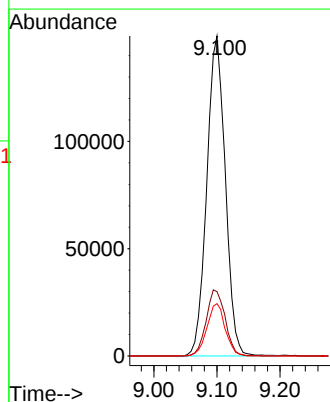
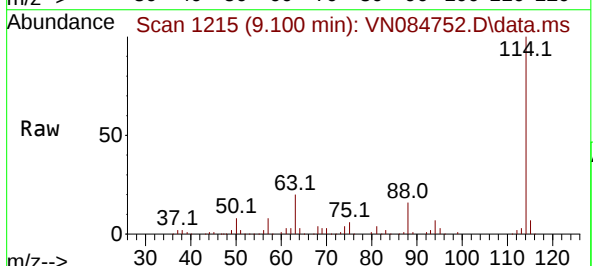
Tgt Ion: 114 Resp: 304174

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.8

88 16.4 0.0 31.6

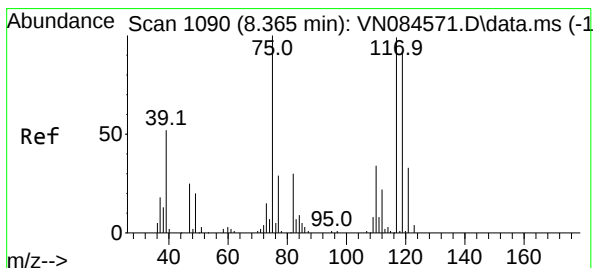
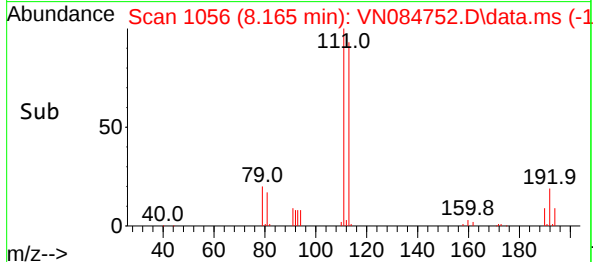
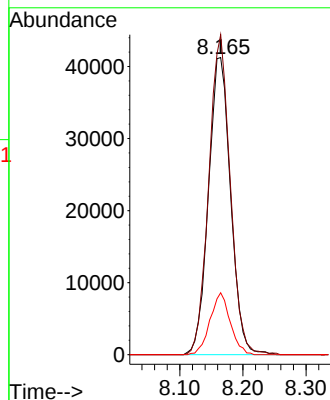
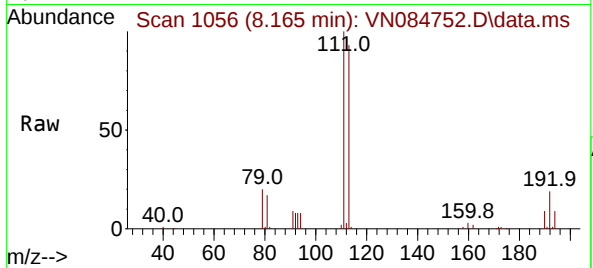




#35
Dibromofluoromethane
Concen: 48.791 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

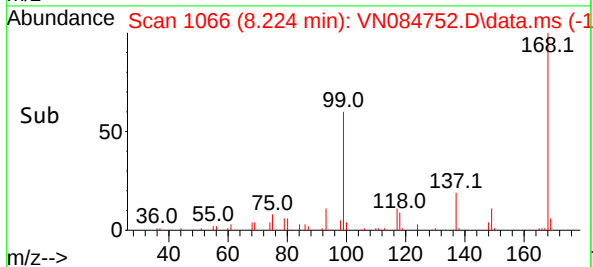
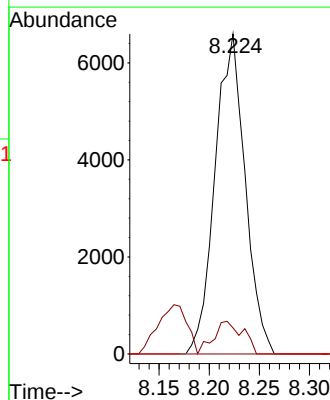
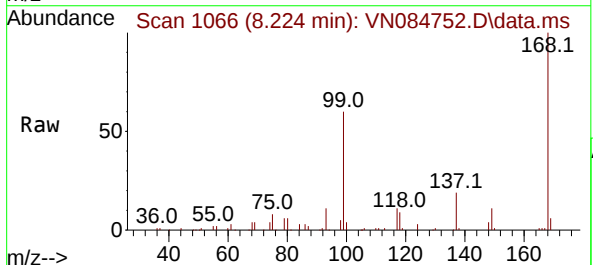
Instrument :
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BP-VPB-190-GW-658-660

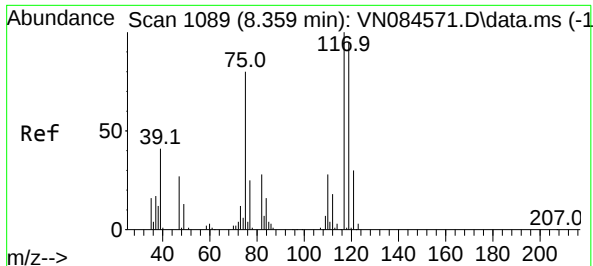
Tgt Ion:113 Resp: 100456
Ion Ratio Lower Upper
113 100
111 104.2 83.3 124.9
192 19.0 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.813 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 75 Resp: 13744
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.0 24.7 37.1#

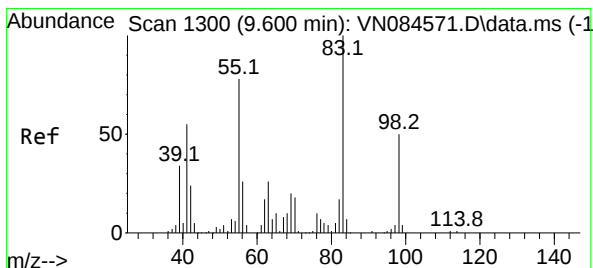
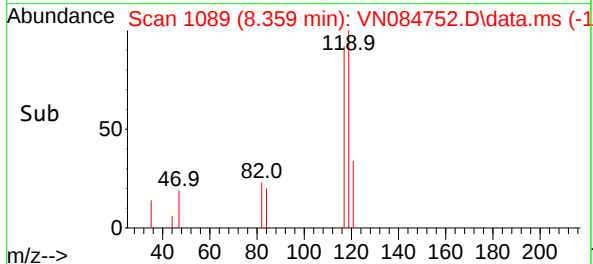
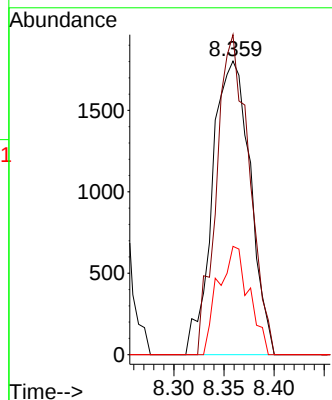
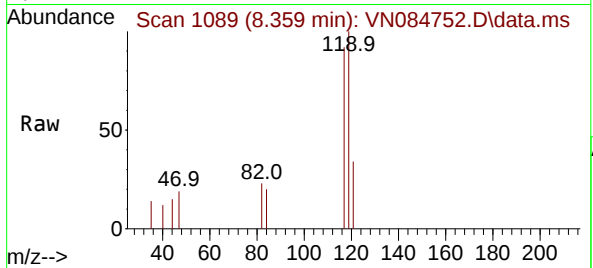




#38
Carbon Tetrachloride
Concen: 1.485 ug/l
RT: 8.359 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

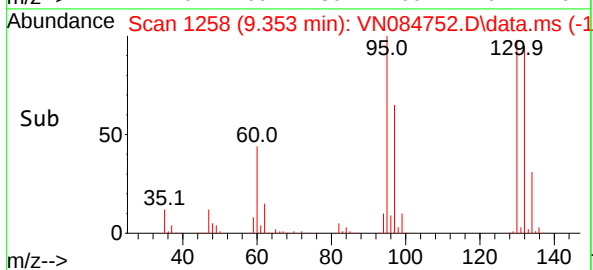
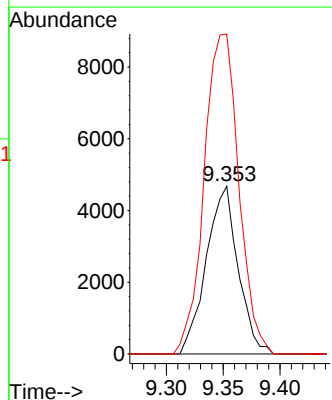
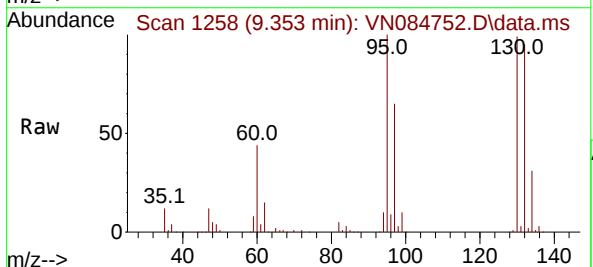
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

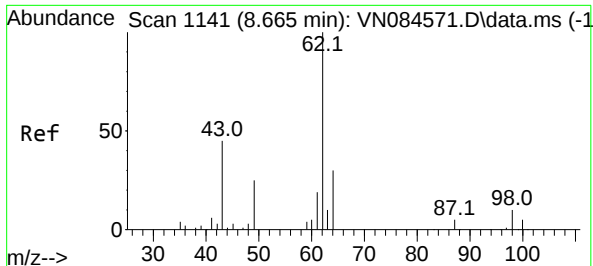
Tgt Ion: 117 Resp: 4738
Ion Ratio Lower Upper
117 100
119 109.0 78.7 118.1
121 36.9 24.4 36.6#



#39
Methylcyclohexane
Concen: 3.137 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 83 Resp: 9112
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 190.8 38.8 58.2#





#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

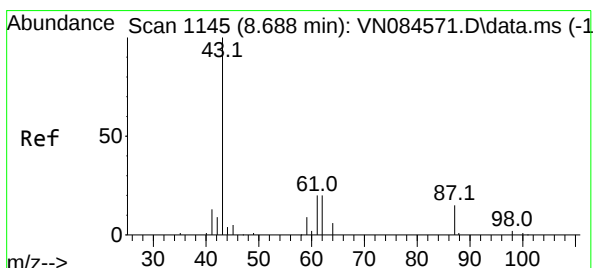
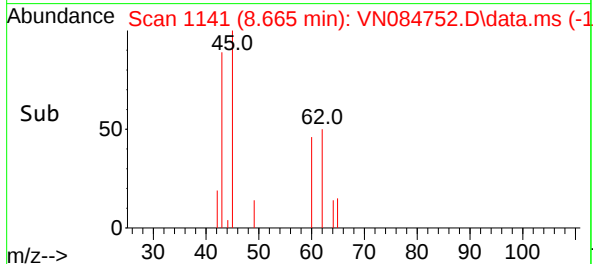
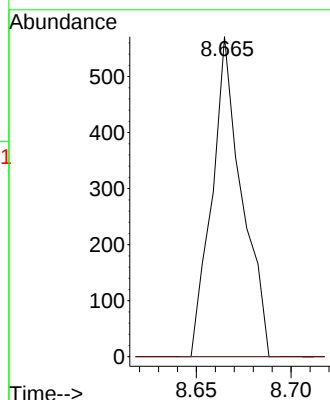
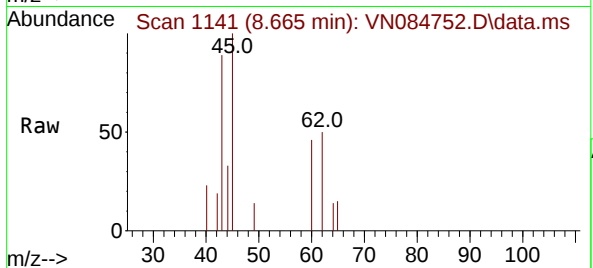
BP-VPB-190-GW-658-660

Tgt Ion: 62 Resp: 629

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 1.643 ug/l

RT: 8.741 min Scan# 1154

Delta R.T. 0.053 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

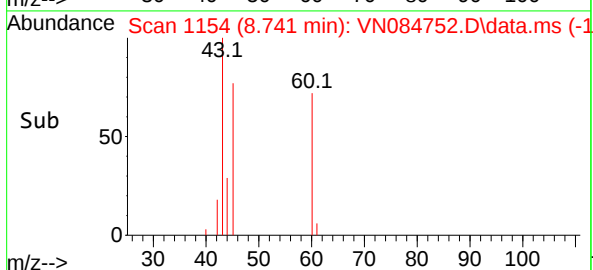
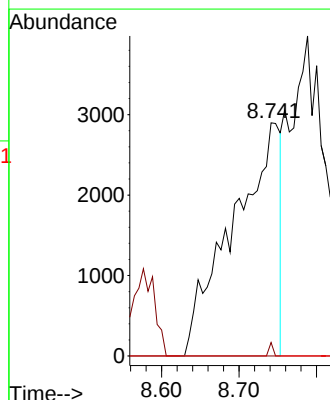
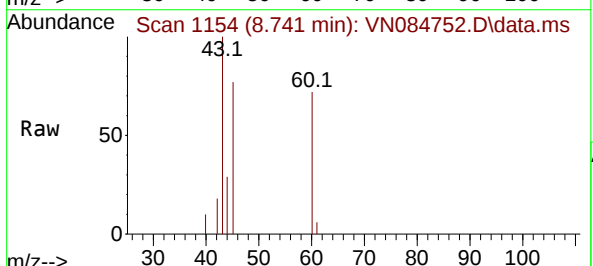
Tgt Ion: 43 Resp: 12332

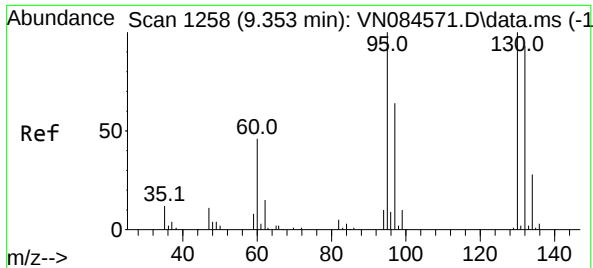
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#

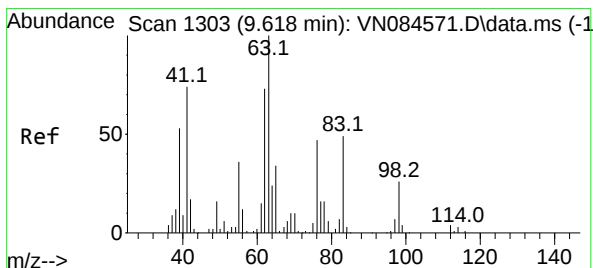
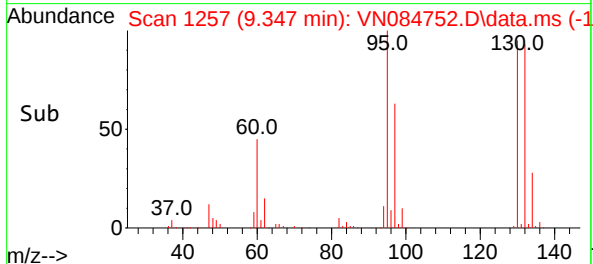
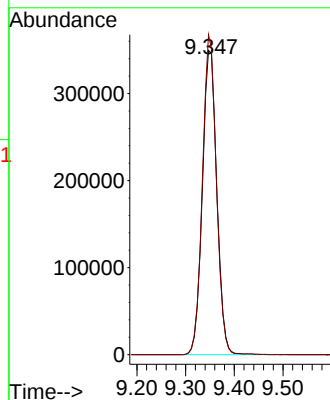
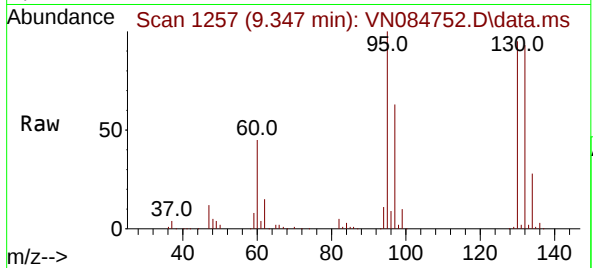




#44
Trichloroethene
Concen: 340.433 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

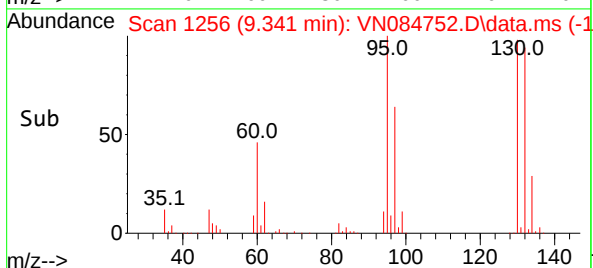
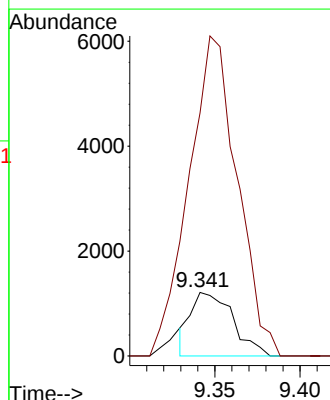
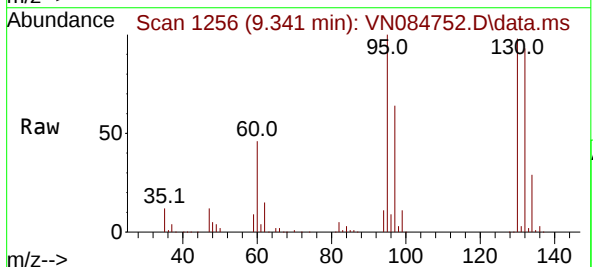
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

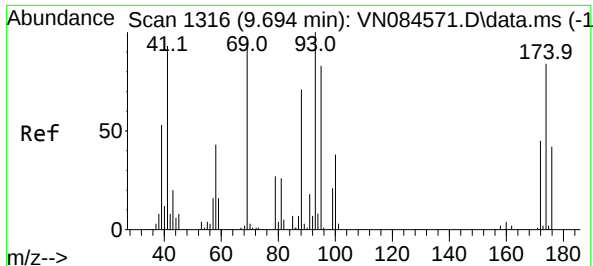
Tgt Ion:130 Resp: 719966
Ion Ratio Lower Upper
130 100
95 105.1 0.0 203.0



#45
1,2-Dichloropropane
Concen: 0.962 ug/l
RT: 9.341 min Scan# 1256
Delta R.T. -0.277 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 63 Resp: 2069
Ion Ratio Lower Upper
63 100
65 382.3 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.539 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-GW-658-660

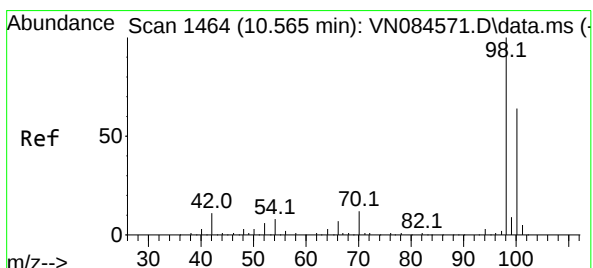
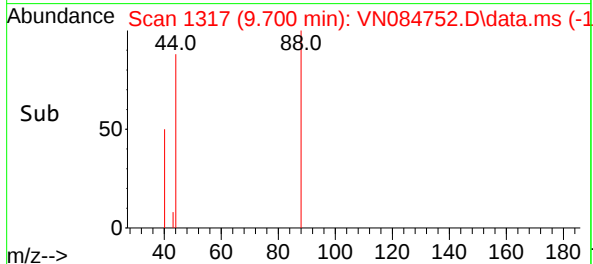
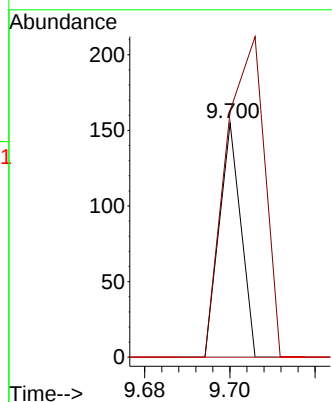
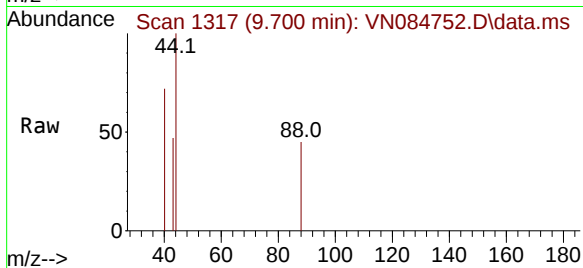
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 240.0 25.3 37.9#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 47.654 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084752.D

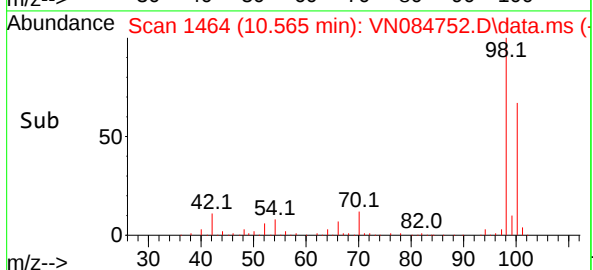
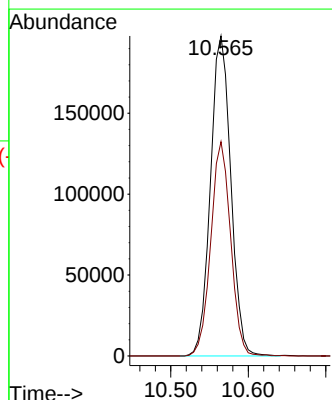
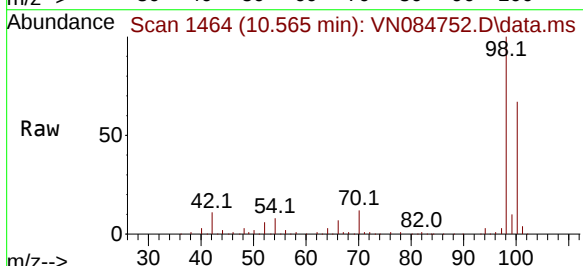
Acq: 08 Nov 2024 16:08

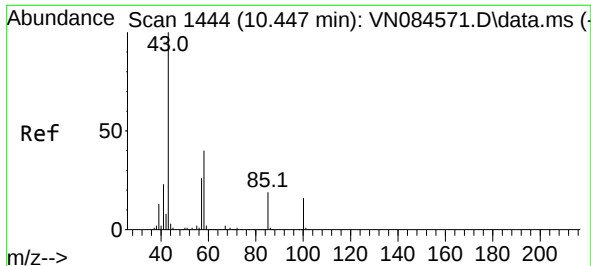
Tgt Ion: 98 Resp: 361418

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

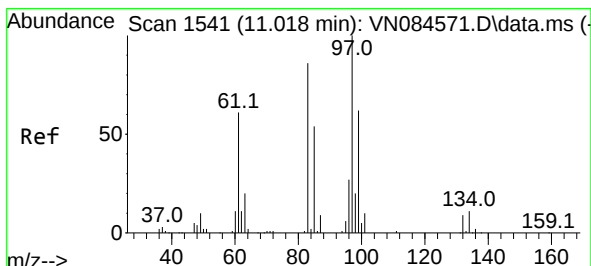
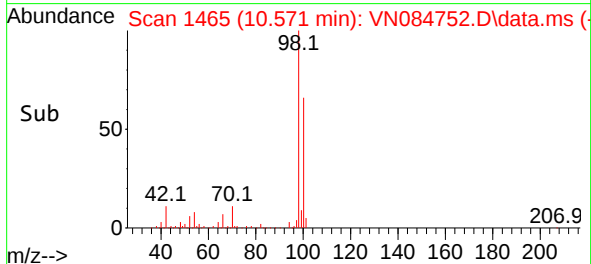
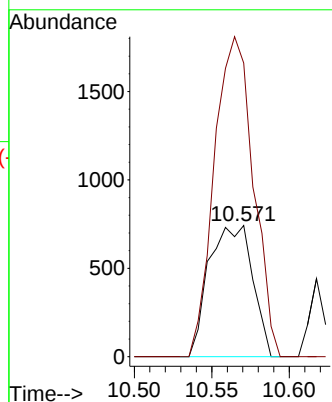
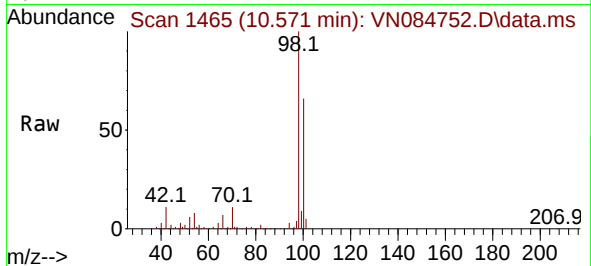




#51
4-Methyl-2-Pentanone
Concen: 0.588 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.129 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

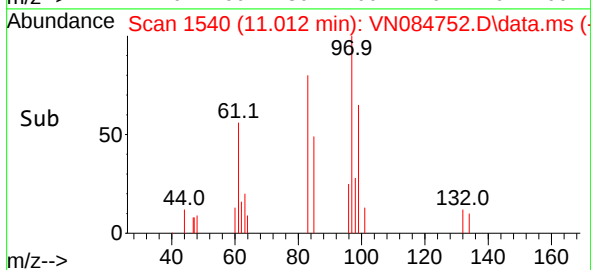
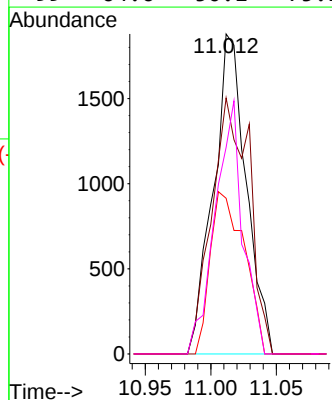
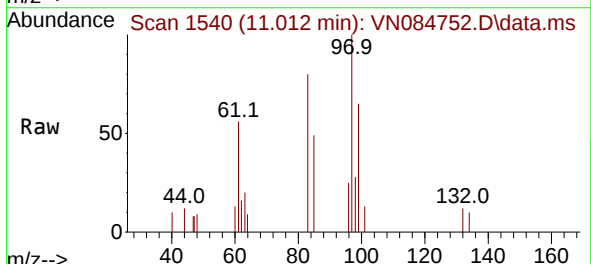
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

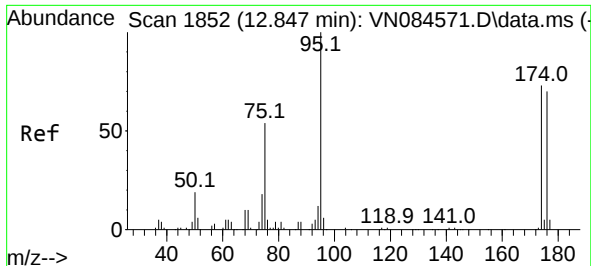
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
58 218.9 31.6 47.4#



#55
1,1,2-Trichloroethane
Concen: 1.621 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 97 Resp: 3274
Ion Ratio Lower Upper
97 100
83 80.0 71.0 106.4
85 48.6 41.7 62.5
99 64.6 50.1 75.1

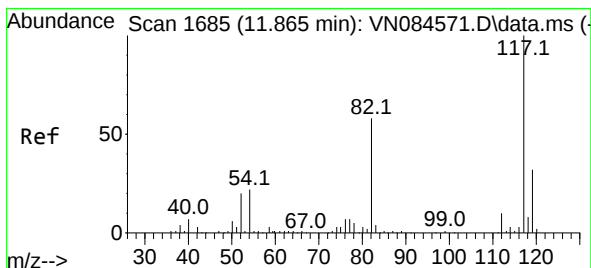
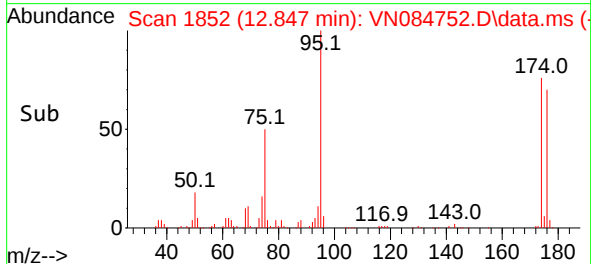
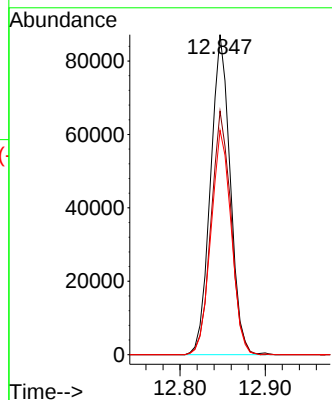
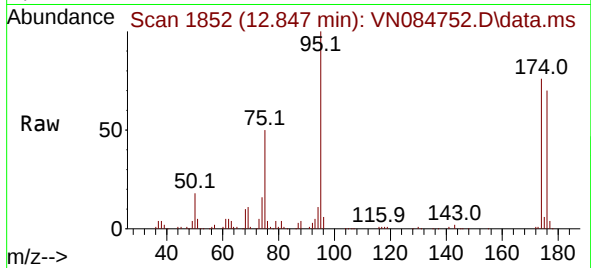




#62
4-Bromofluorobenzene
Concen: 49.395 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

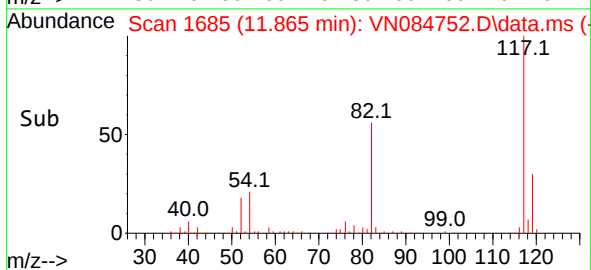
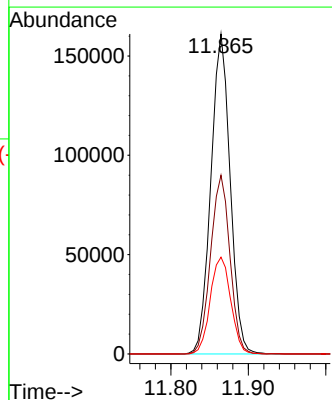
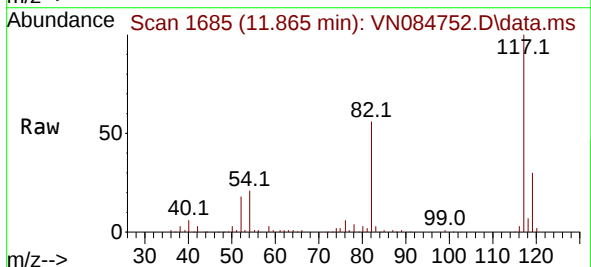
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

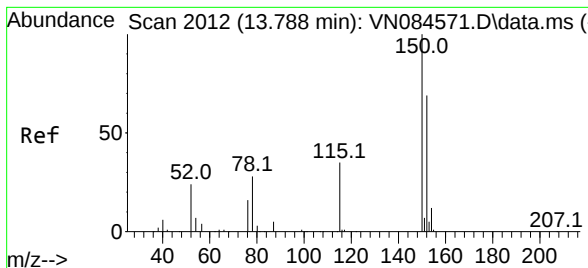
Tgt Ion: 95 Resp: 140009
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.2
176 72.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 117 Resp: 278360
Ion Ratio Lower Upper
117 100
82 55.9 47.2 70.8
119 30.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084752.D

Acq: 08 Nov 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-GW-658-660

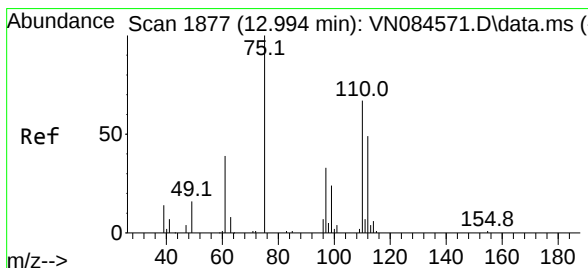
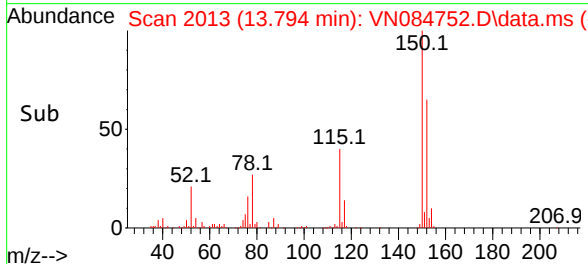
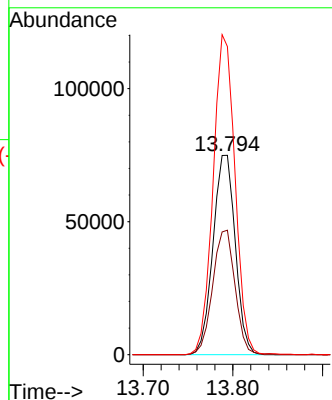
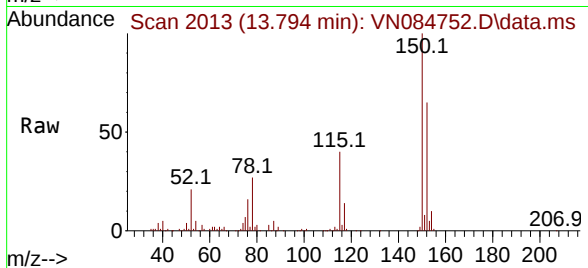
Tgt Ion:152 Resp: 129510

Ion Ratio Lower Upper

152 100

115 62.6 31.3 93.9

150 157.7 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.705 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084752.D

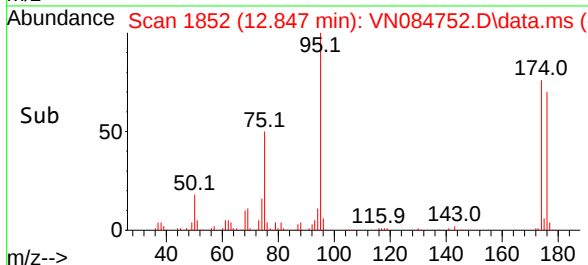
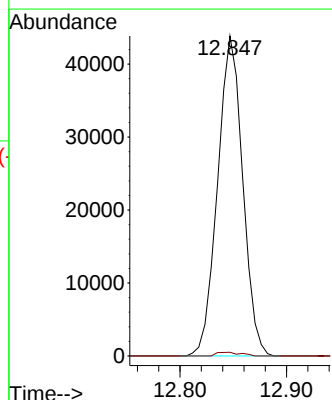
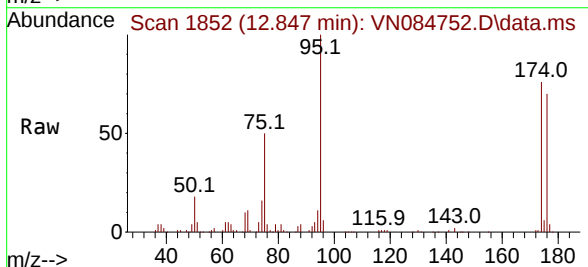
Acq: 08 Nov 2024 16:08

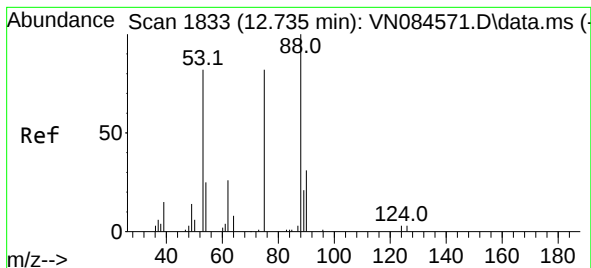
Tgt Ion: 75 Resp: 71723

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

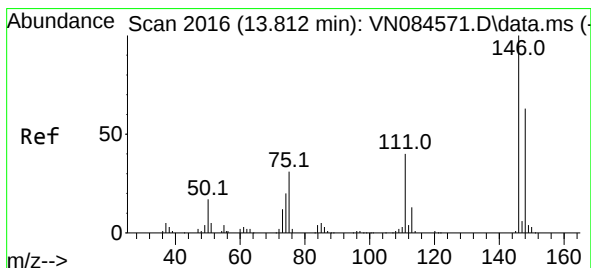
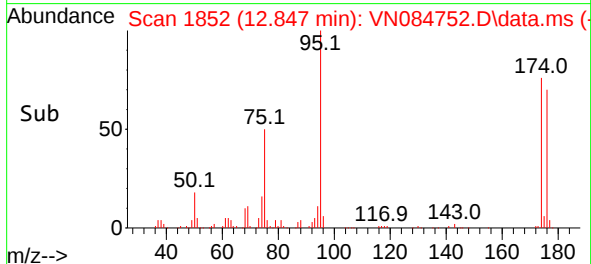
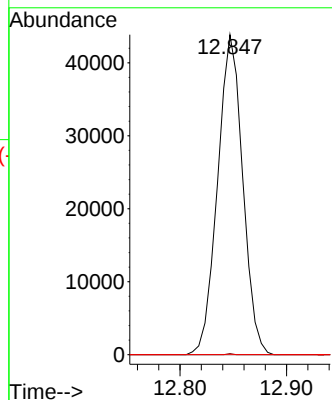
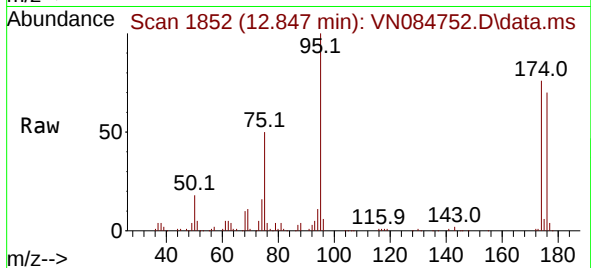




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.727 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084752.D
 Acq: 08 Nov 2024 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-GW-658-660

Tgt Ion: 75 Resp: 71723
 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# 2016
 Delta R.T. -0.000 min
 Lab File: VN084752.D
 Acq: 08 Nov 2024 16:08

Tgt Ion:146 Resp: 154
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.2 63.6#
 148 206.5 31.9 95.9#

