

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084748.D
 Acq On : 08 Nov 2024 14:32
 Operator : JC\MD
 Sample : P4774-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-EB-20241106

Quant Time: Nov 08 22:31:00 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)

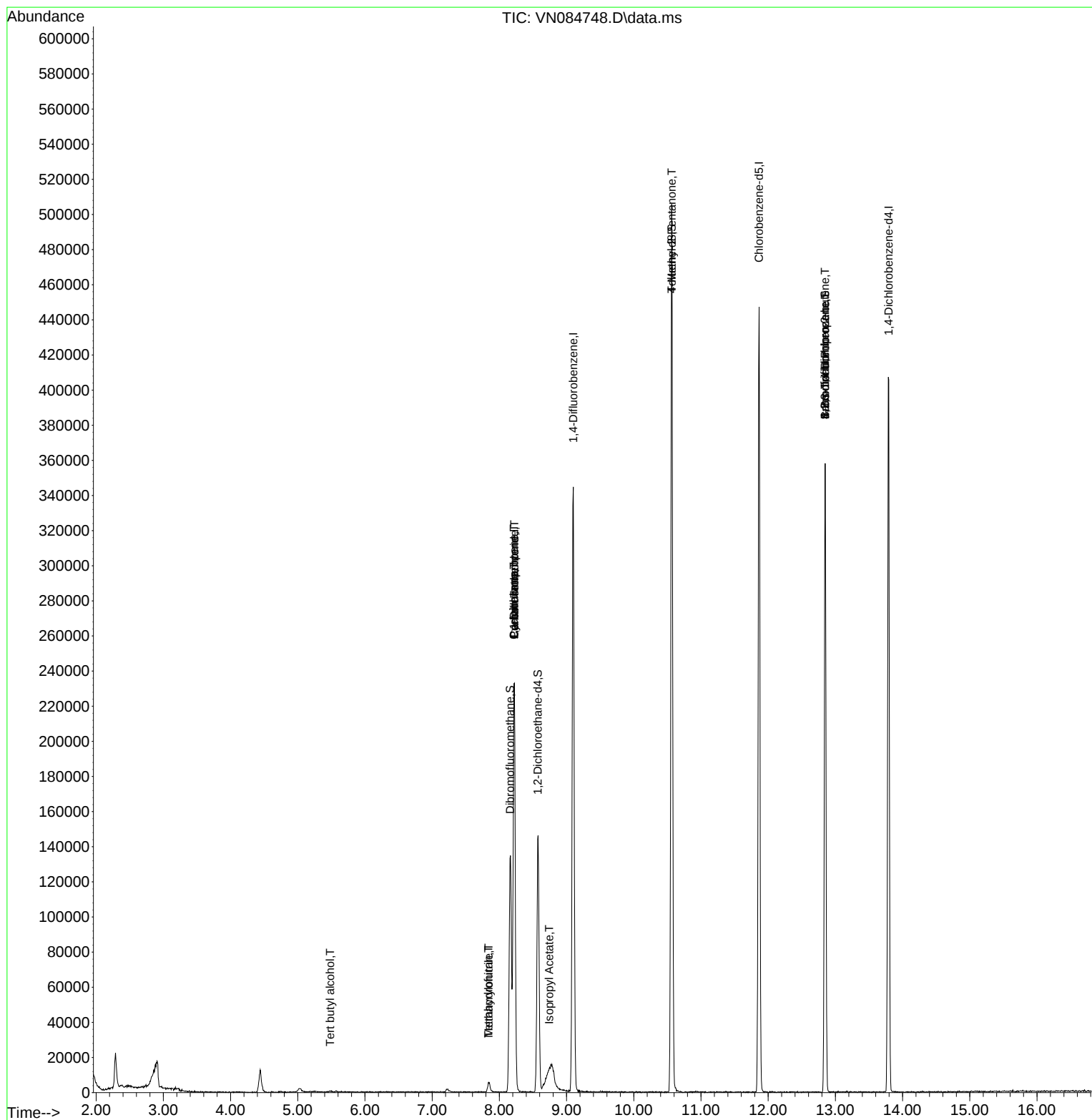
Internal Standards						
1) Pentafluorobenzene	8.224	168	172082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121482	48.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.760%		
35) Dibromofluoromethane	8.159	113	100718	49.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.420%		
50) Toluene-d8	10.565	98	344401	45.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.360%		
62) 4-Bromofluorobenzene	12.847	95	127539	45.263	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.520%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	977	Below Cal		97
6) Chloroethane	3.059	64	415	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	133	0.405 ug/l	#	73
16) Acetone	4.442	43	912	Below Cal	#	44
18) Methyl Acetate	5.036	43	5034	Below Cal		93
29) Tetrahydrofuran	7.835	42	4345	5.648 ug/l		97
31) Cyclohexane	8.218	56	3717	1.083 ug/l	#	1
36) 1,1-Dichloropropene	8.218	75	13783	4.856 ug/l	#	50
38) Carbon Tetrachloride	8.224	117	18599	5.862 ug/l	#	16
41) Methacrylonitrile	7.841	41	2486	1.795 ug/l	#	49
43) Isopropyl Acetate	8.741	43	21015	3.520 ug/l	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1439	0.586 ug/l	#	1
71) Bromoform	12.847	173	628	0.411 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	63757	28.229 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63757	66.970 ug/l	#	11
88) 1,4-Dichlorobenzene	13.806	146	183	Below Cal	#	1

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

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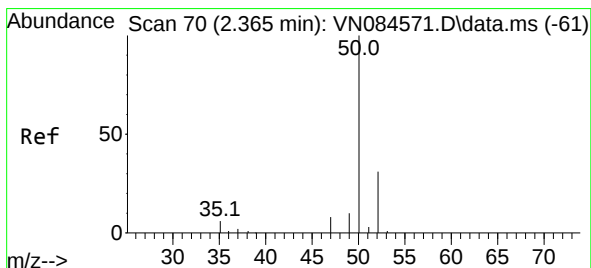
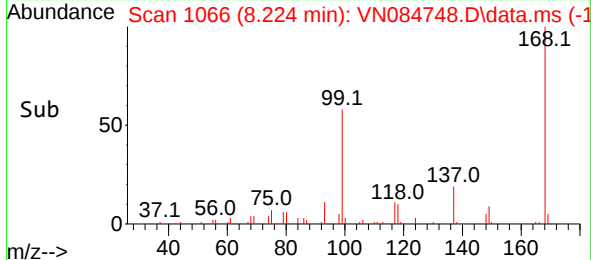
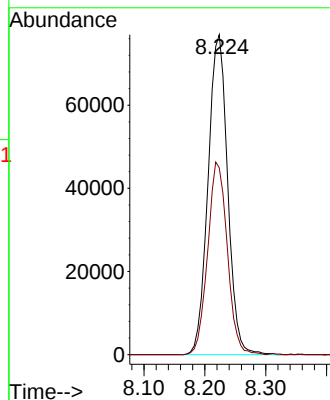
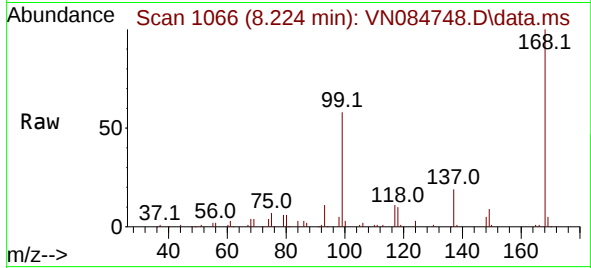




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

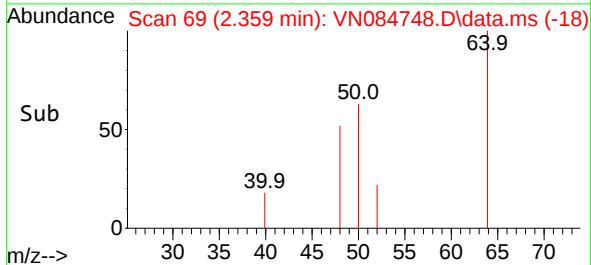
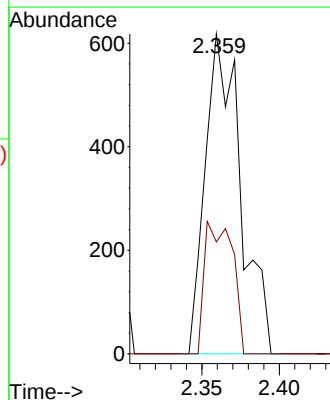
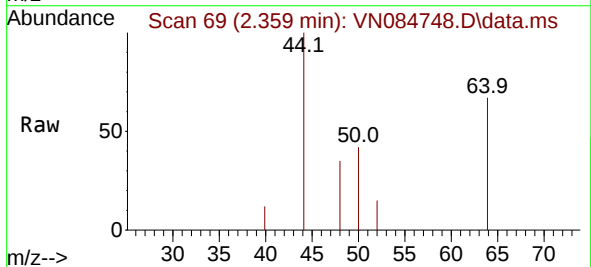
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

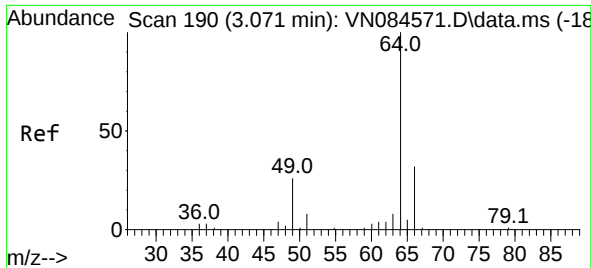
Tgt Ion:168 Resp: 172082
Ion Ratio Lower Upper
168 100
99 58.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 50 Resp: 977
Ion Ratio Lower Upper
50 100
52 35.0 26.8 40.2

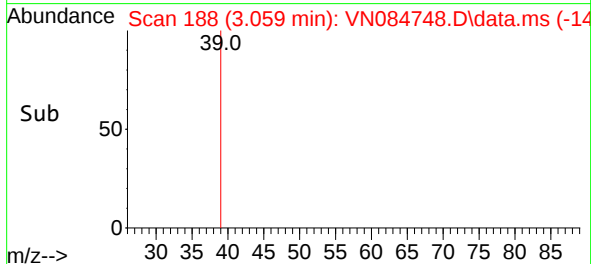
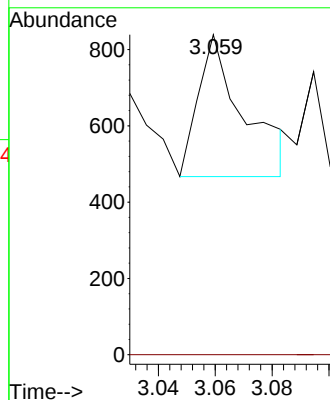
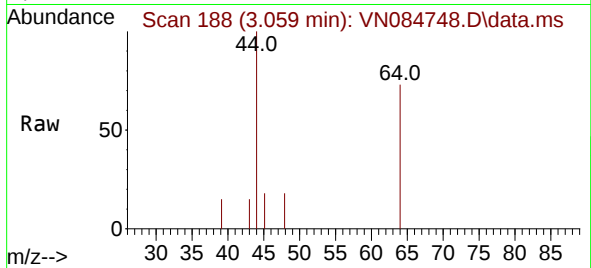




#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

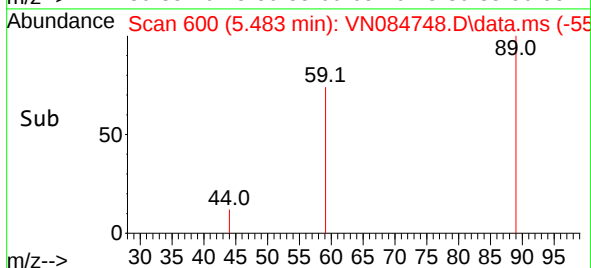
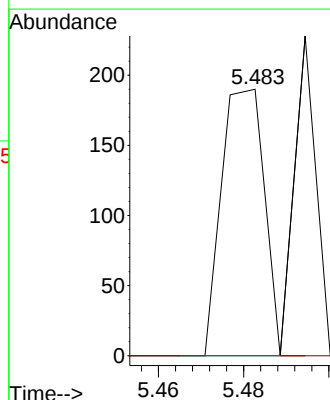
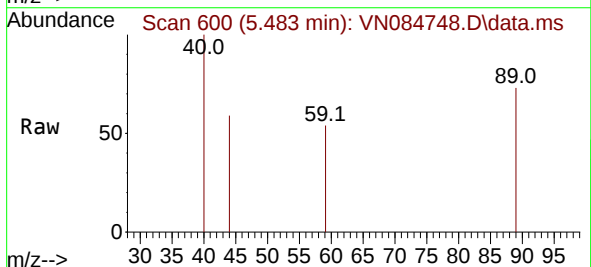
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

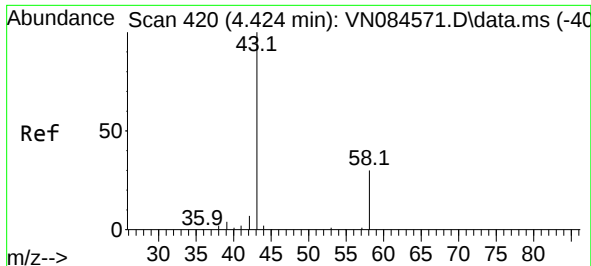
Tgt Ion: 64 Resp: 415
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.405 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

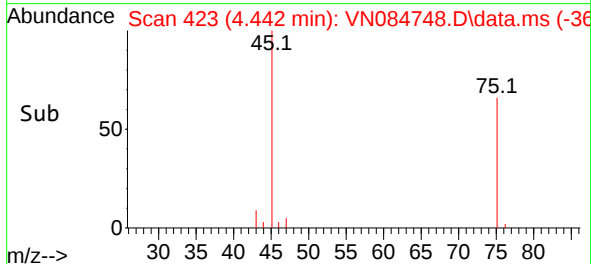
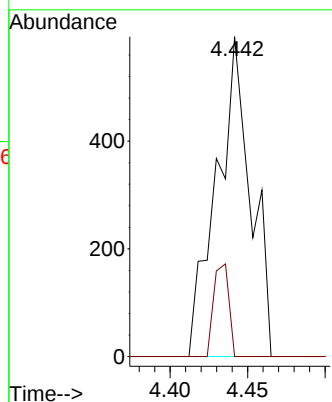
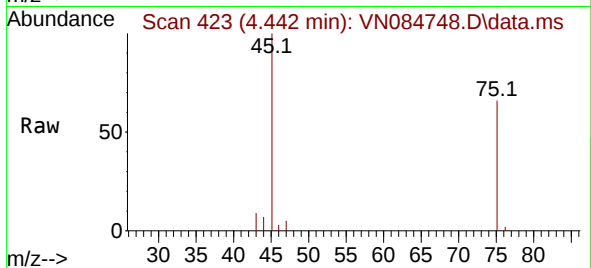




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

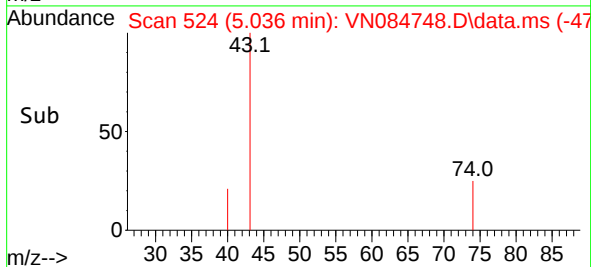
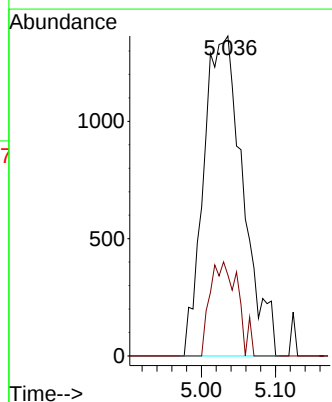
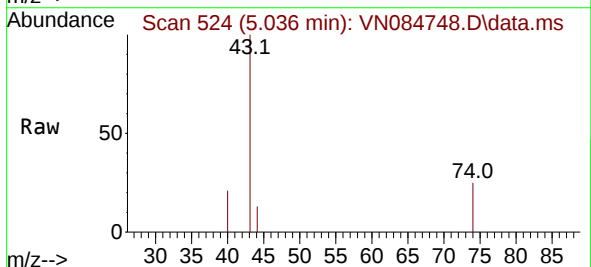
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

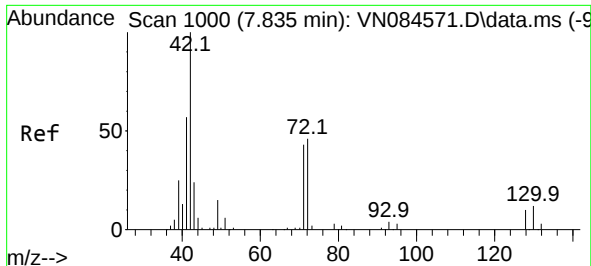
Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
74 20.7 19.2 28.8





#29

Tetrahydrofuran

Concen: 5.648 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-EB-20241106

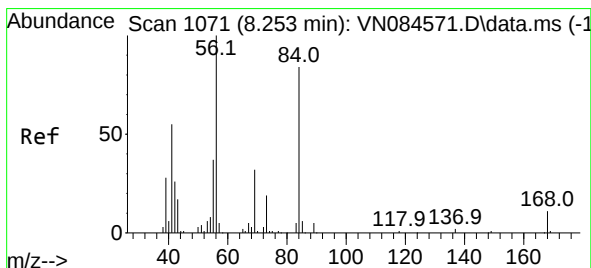
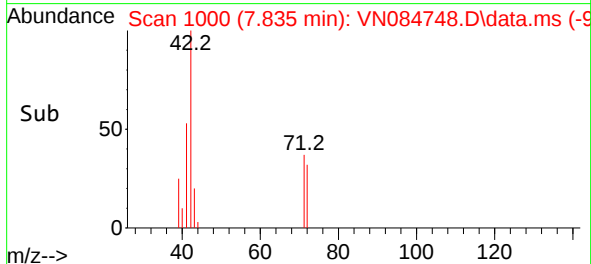
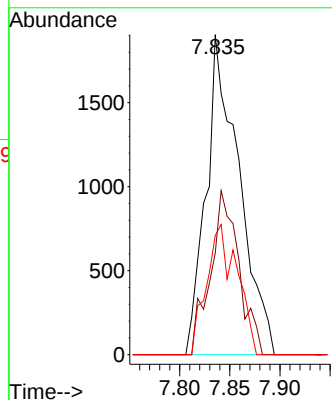
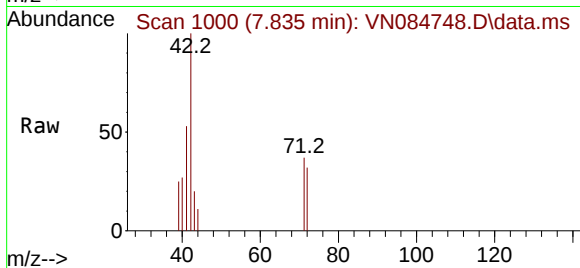
Tgt Ion: 42 Resp: 4345

Ion Ratio Lower Upper

42 100

72 44.2 34.6 51.8

71 37.8 32.2 48.4



#31

Cyclohexane

Concen: 1.083 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

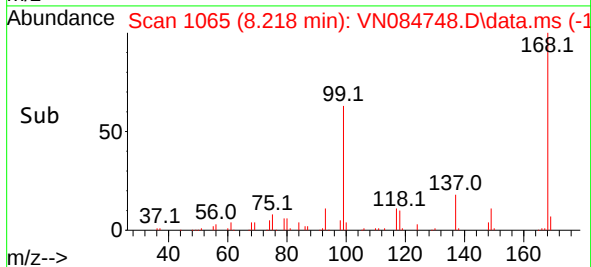
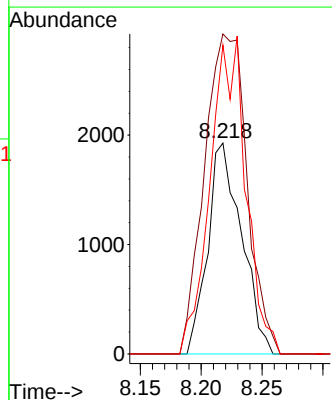
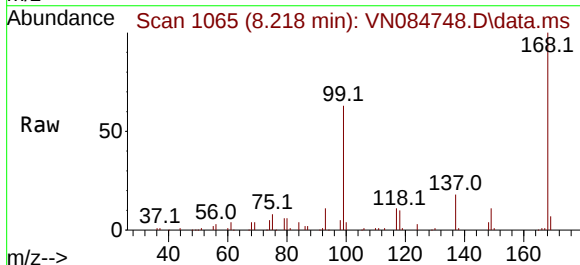
Tgt Ion: 56 Resp: 3717

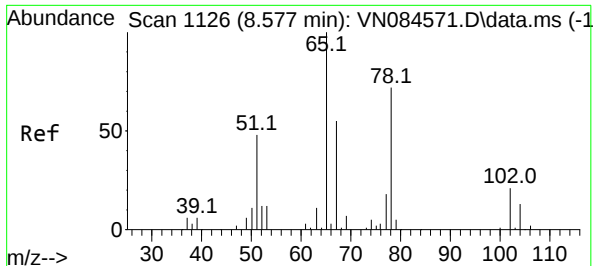
Ion Ratio Lower Upper

56 100

69 151.8 23.8 35.6#

84 146.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.877 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

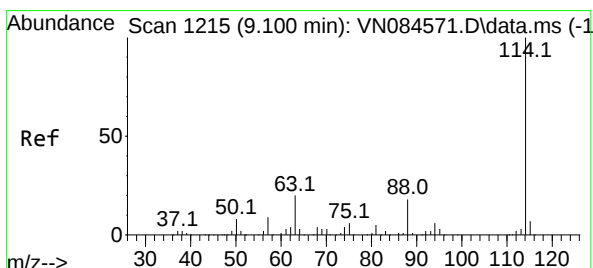
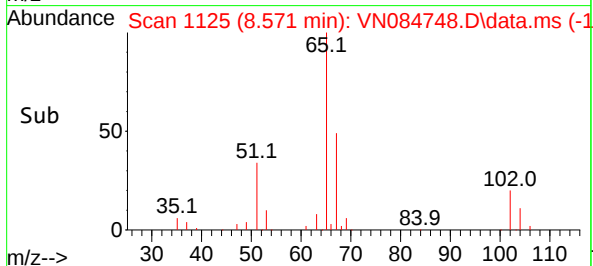
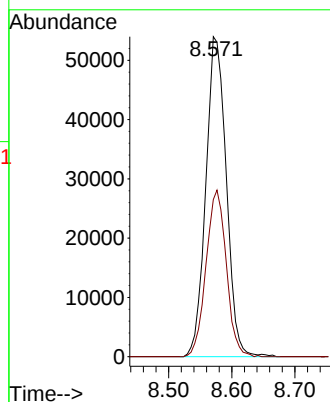
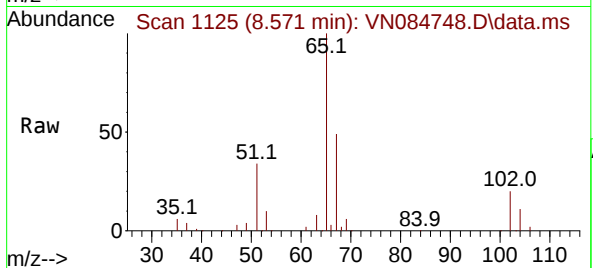
BP-VPB-190-EB-20241106

Tgt Ion: 65 Resp: 121482

Ion Ratio Lower Upper

65 100

67 51.5 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: VN084748.D

Acq: 08 Nov 2024 14:32

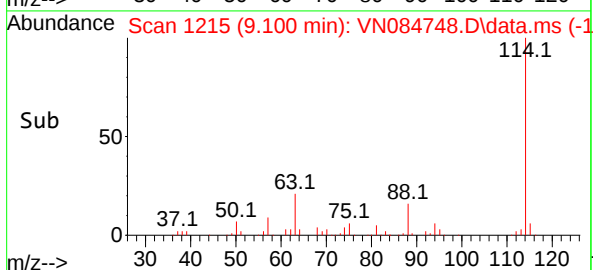
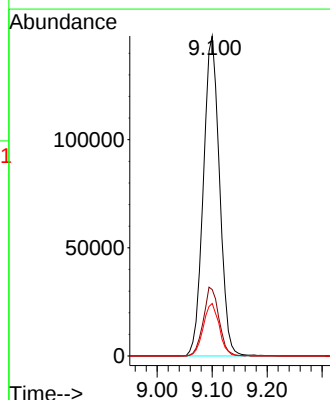
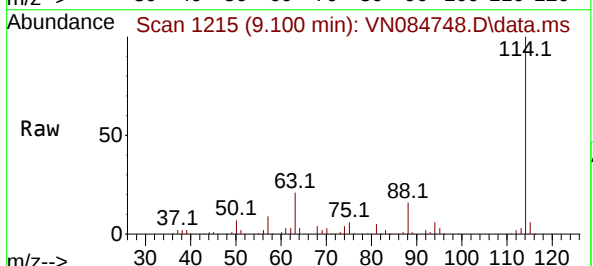
Tgt Ion: 114 Resp: 302375

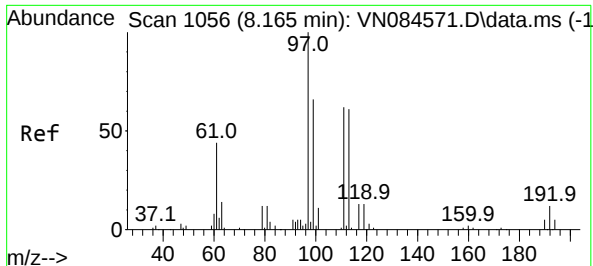
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

88 16.4 0.0 31.6

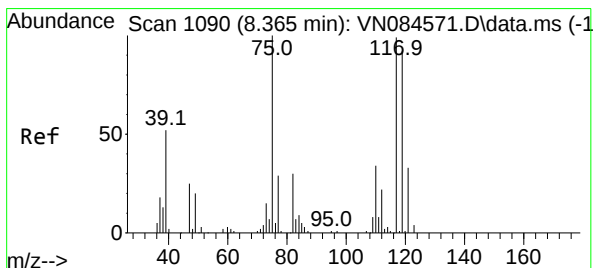
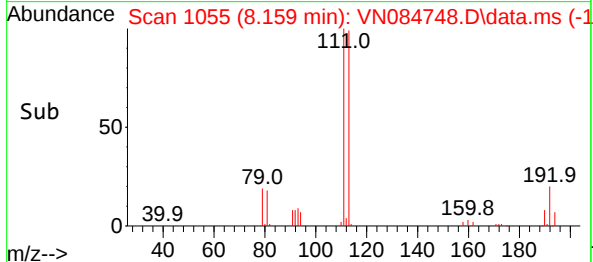
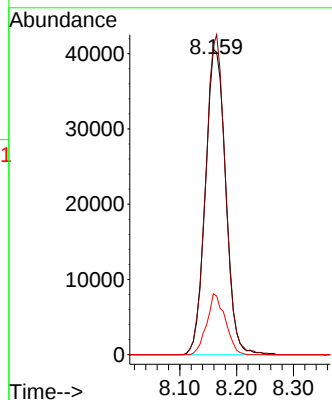
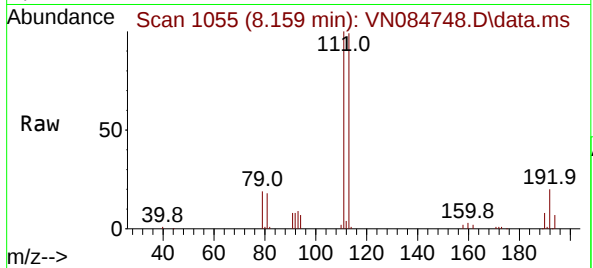




#35
Dibromofluoromethane
Concen: 49.210 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

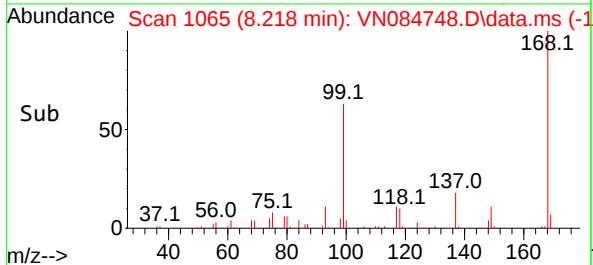
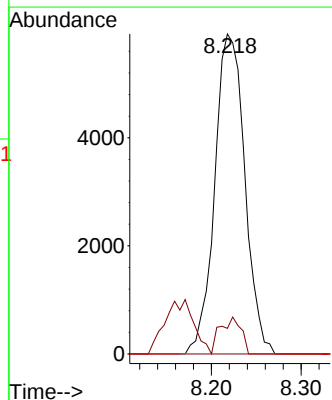
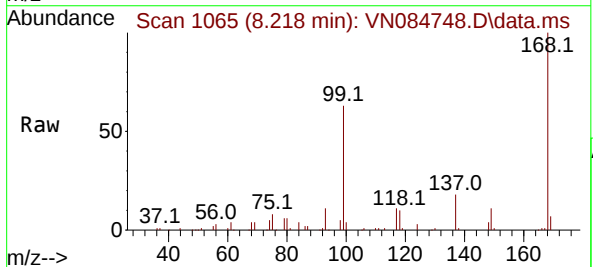
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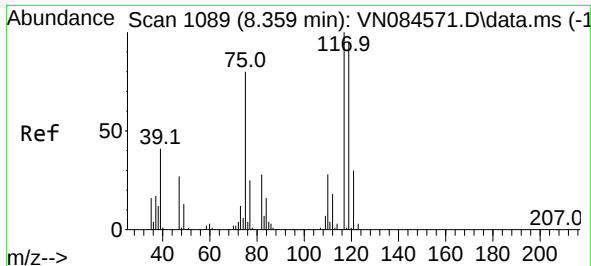
Tgt Ion:113 Resp: 100718
Ion Ratio Lower Upper
113 100
111 101.5 83.3 124.9
192 18.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 75 Resp: 13783
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.0 24.7 37.1#

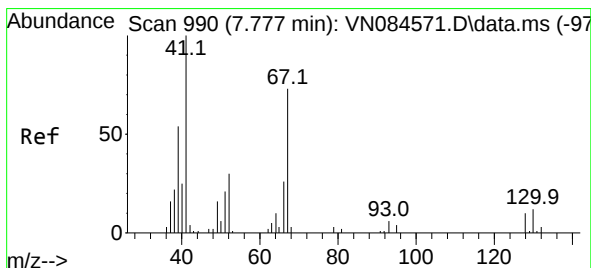
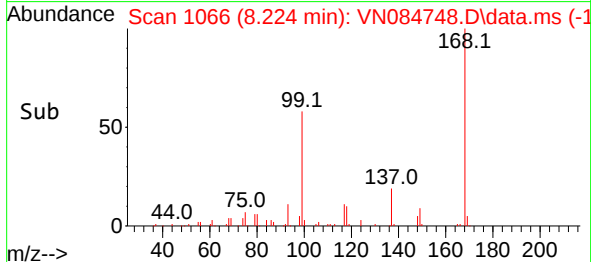
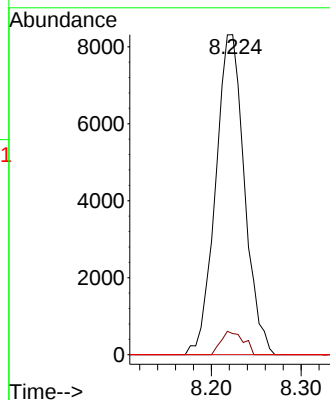
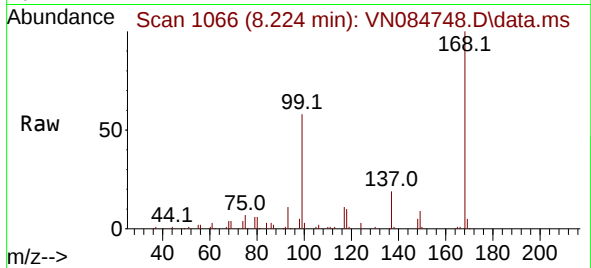




#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

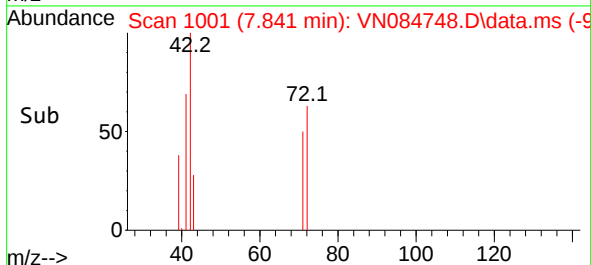
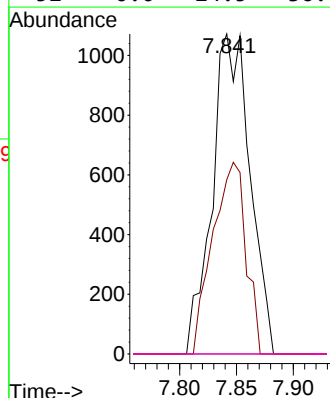
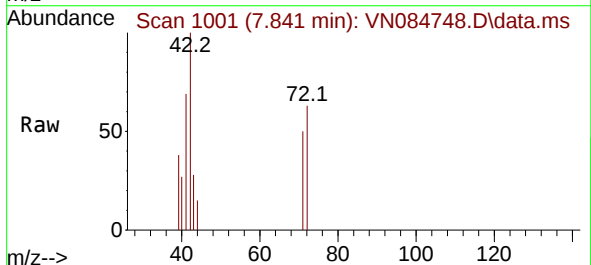
Instrument : MSVOA_N
ClientSampleId : BP-VPB-190-EB-20241106

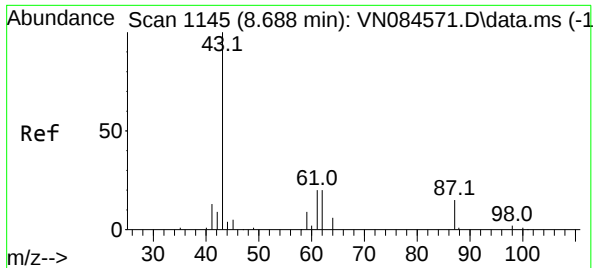
Tgt Ion: 117 Resp: 18599
Ion Ratio Lower Upper
117 100
119 6.6 78.7 118.1#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.795 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.064 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 41 Resp: 2486
Ion Ratio Lower Upper
41 100
39 52.5 43.3 64.9
67 0.0 56.1 84.1#
52 0.0 24.5 36.7#

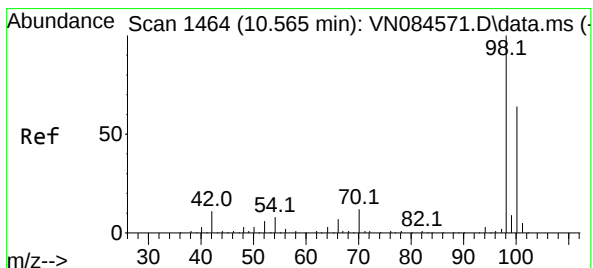
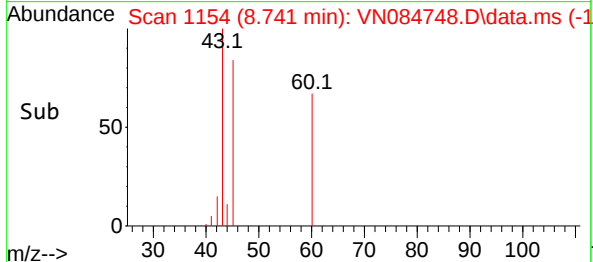
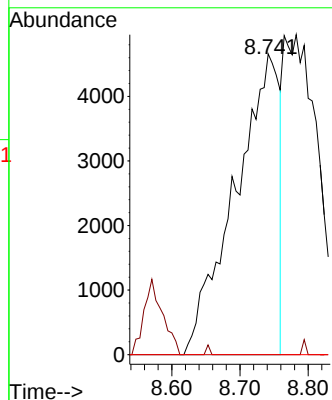
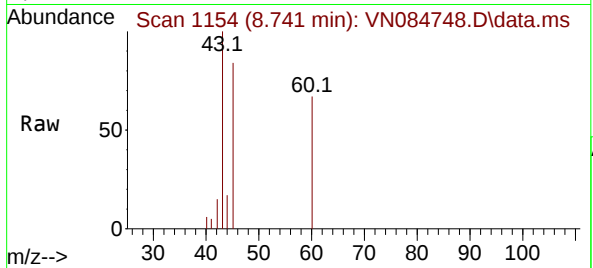




#43
Isopropyl Acetate
Concen: 3.520 ug/l
RT: 8.741 min Scan# 1145
Delta R.T. 0.053 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

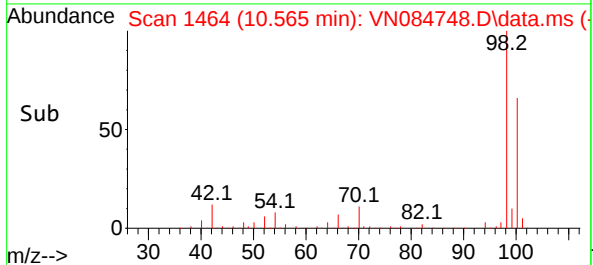
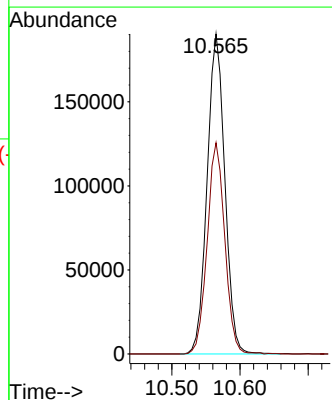
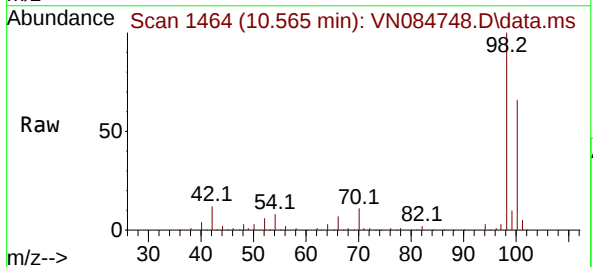
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

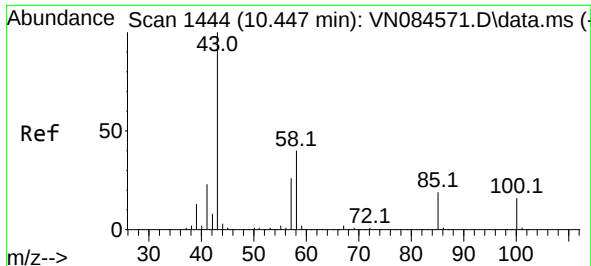
Tgt Ion: 43 Resp: 21015
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#50
Toluene-d8
Concen: 45.680 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 98 Resp: 344401
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.586 ug/l

RT: 10.565 min Scan# 1444

Delta R.T. 0.123 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

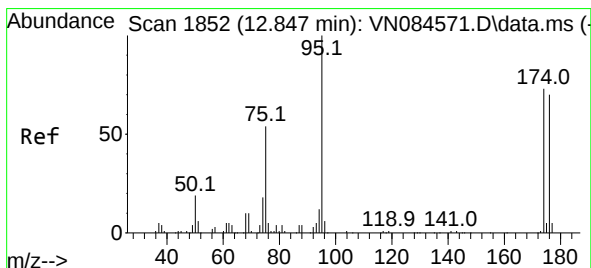
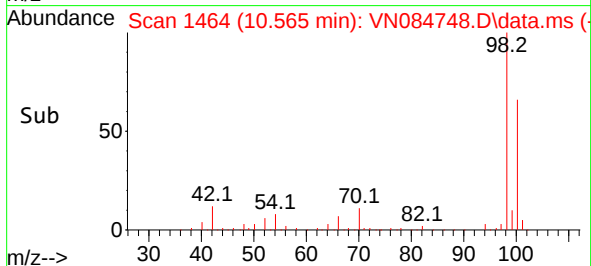
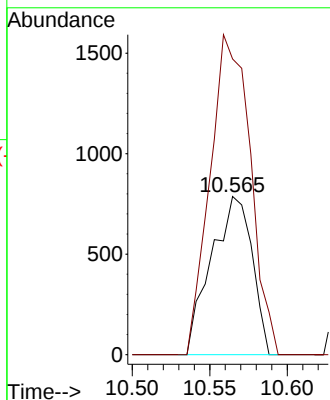
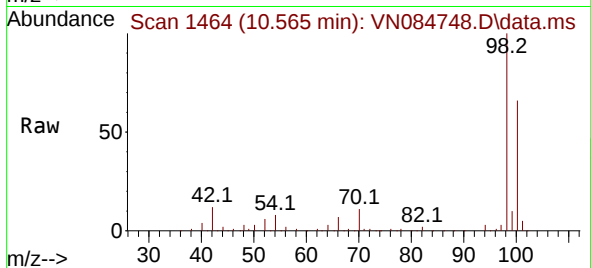
BP-VPB-190-EB-20241106

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

43 100

58 199.8 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 45.263 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

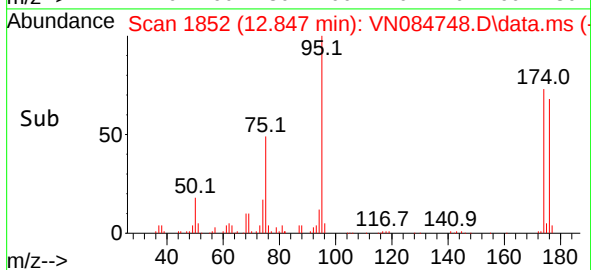
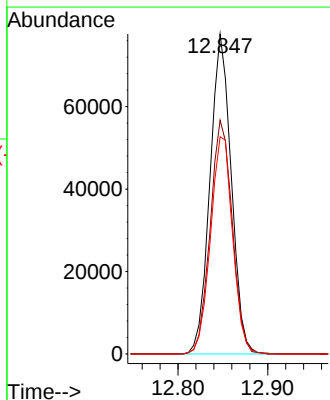
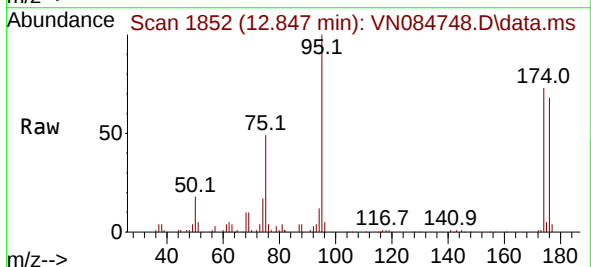
Tgt Ion: 95 Resp: 127539

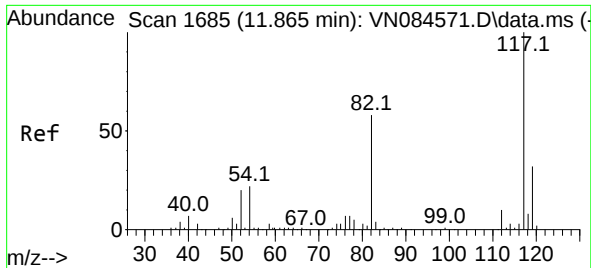
Ion Ratio Lower Upper

95 100

174 75.7 0.0 145.2

176 70.8 0.0 140.0

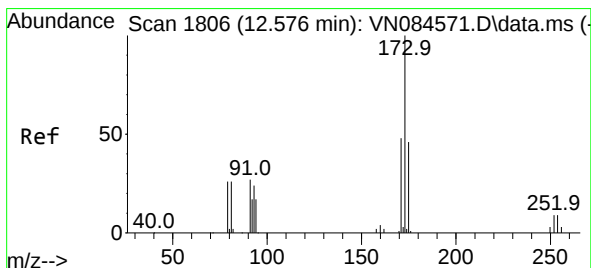
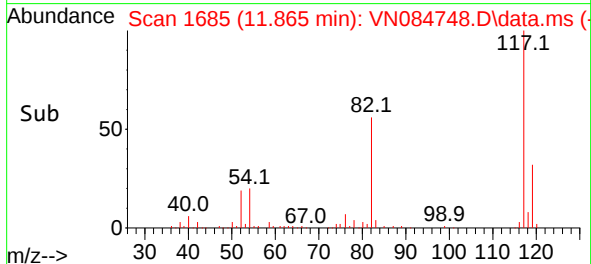
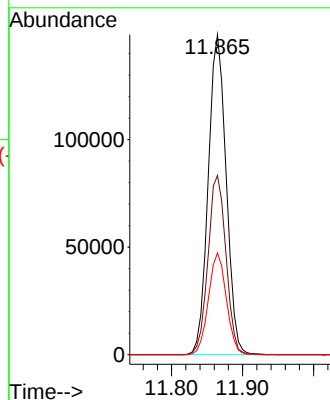
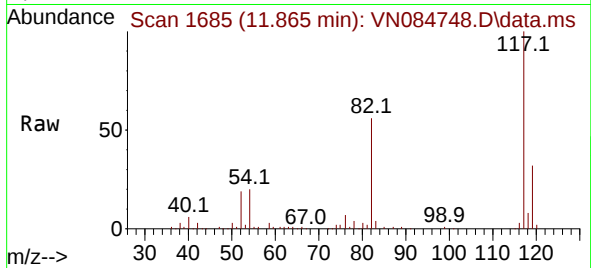




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

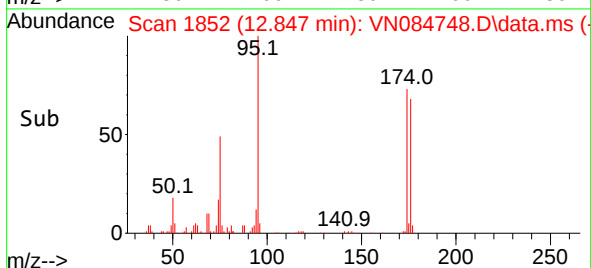
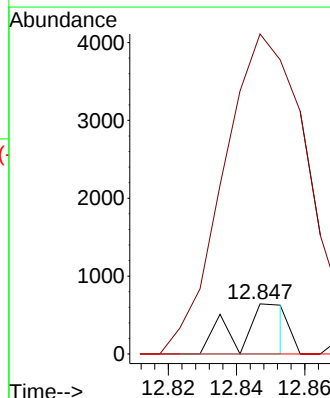
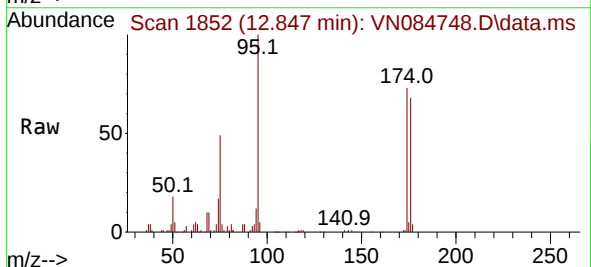
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

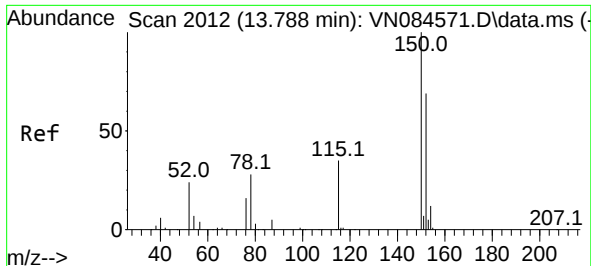
Tgt Ion:117 Resp: 260963
Ion Ratio Lower Upper
117 100
82 56.0 47.2 70.8
119 31.7 25.4 38.0



#71
Bromoform
Concen: 0.411 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion:173 Resp: 628
Ion Ratio Lower Upper
173 100
175 820.5 23.5 70.6#
254 0.0 0.0 0.0

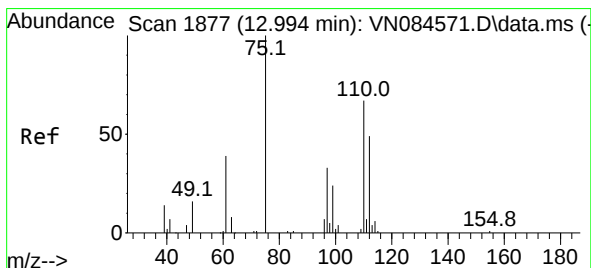
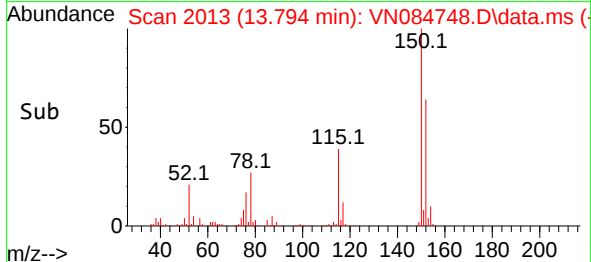
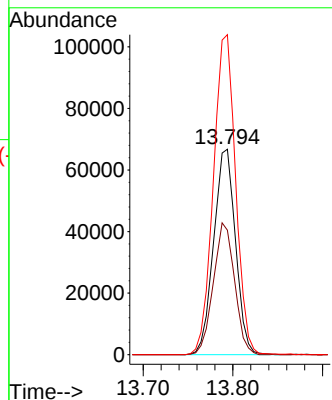
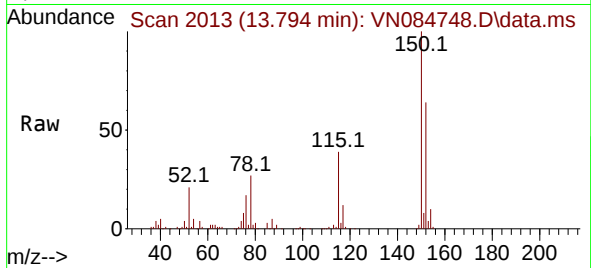




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

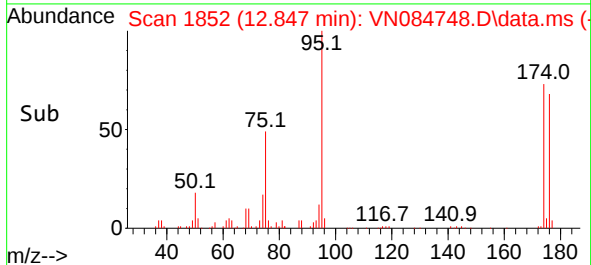
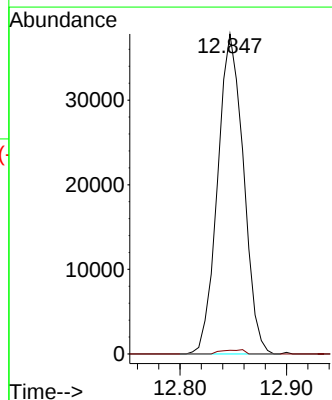
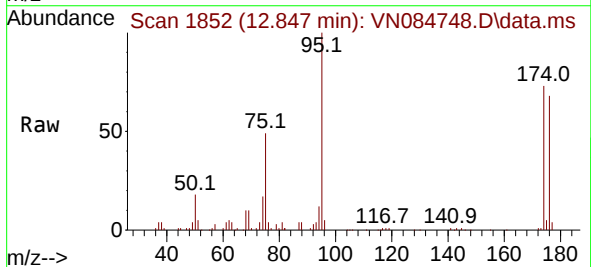
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

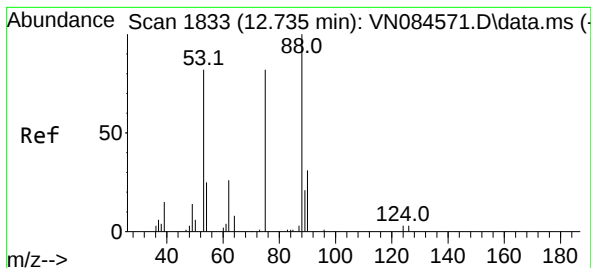
Tgt Ion:152 Resp: 112988
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.9
150 158.5 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.229 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 75 Resp: 63757
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.970 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-EB-20241106

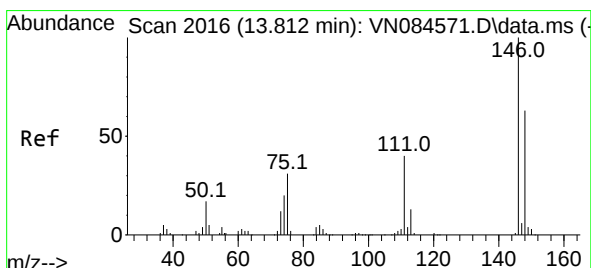
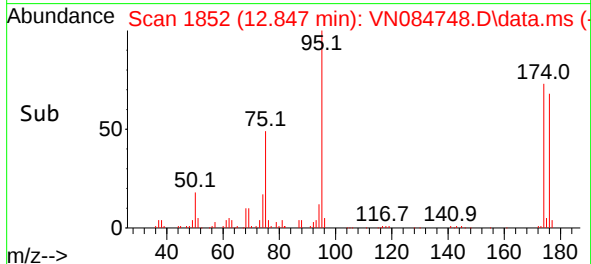
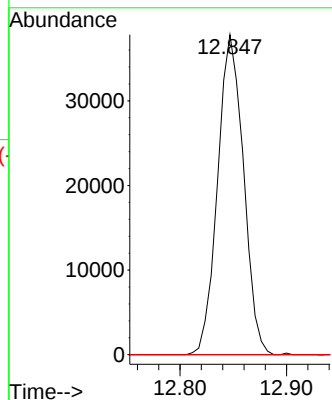
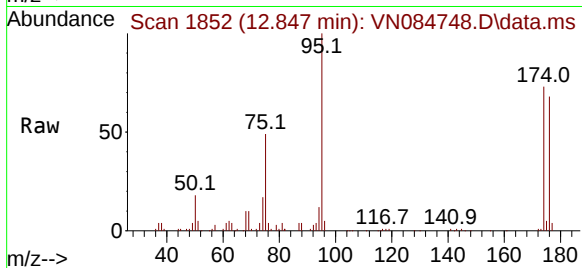
Tgt Ion: 75 Resp: 63757

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Tgt Ion:146 Resp: 183

Ion Ratio Lower Upper

146 100

111 1035.0 21.2 63.6#

148 362.3 31.9 95.9#

