

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084749.D
 Acq On : 08 Nov 2024 14:56
 Operator : JC\MD
 Sample : P4774-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-DUP-20241105

Quant Time: Nov 08 22:31:29 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)

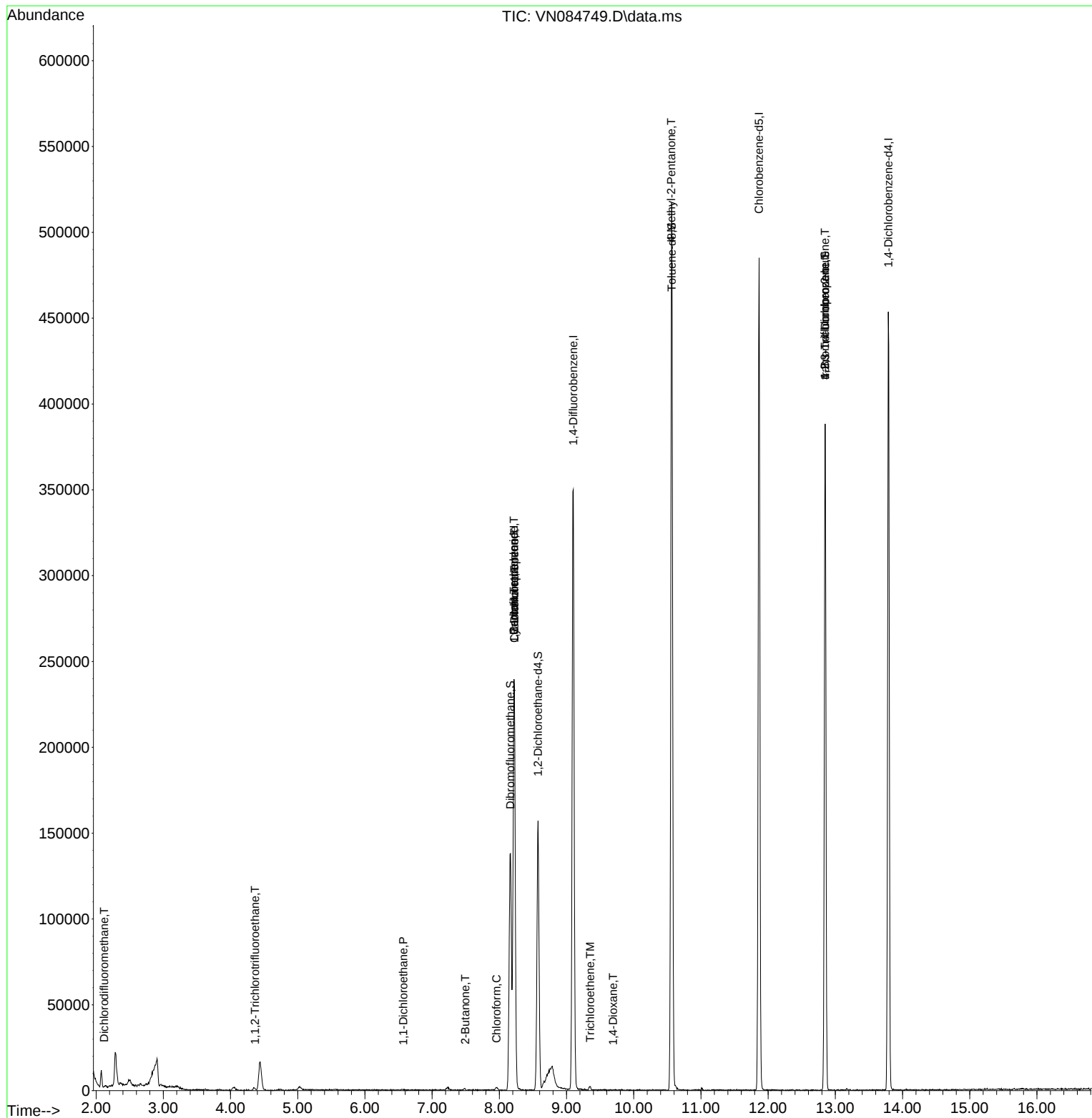
Internal Standards						
1) Pentafluorobenzene	8.218	168	176583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126348	49.539	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.080%
35) Dibromofluoromethane	8.165	113	102080	48.573	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.140%
50) Toluene-d8	10.565	98	358668	46.331	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.660%
62) 4-Bromofluorobenzene	12.847	95	135882	46.965	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.940%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	873	0.430	ug/l #	65
3) Chloromethane	2.359	50	976	Below Cal	#	88
6) Chloroethane	3.106	64	861	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	4.365	101	1133	0.558	ug/l #	19
16) Acetone	4.436	43	1868	Below Cal	#	80
18) Methyl Acetate	5.030	43	3989	Below Cal	#	70
24) 1,1-Dichloroethane	6.571	63	839	0.216	ug/l #	83
25) 2-Butanone	7.494	43	354	0.298	ug/l #	48
30) Chloroform	7.959	83	1809	0.457	ug/l #	63
31) Cyclohexane	8.224	56	3706	1.052	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14484	4.969	ug/l #	46
38) Carbon Tetrachloride	8.218	117	18673	5.732	ug/l #	15
43) Isopropyl Acetate	8.665	43	2902	Below Cal	#	56
44) Trichloroethene	9.353	130	842	0.390	ug/l	96
49) 1,4-Dioxane	9.694	88	59	1.618	ug/l #	23
51) 4-Methyl-2-Pentanone	10.559	43	1434	0.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70246	28.463	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70246	67.526	ug/l #	11
88) 1,4-Dichlorobenzene	13.818	146	333	Below Cal	#	24

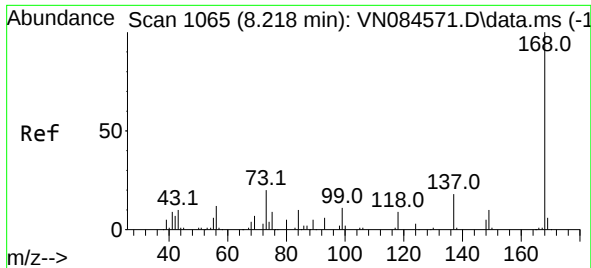
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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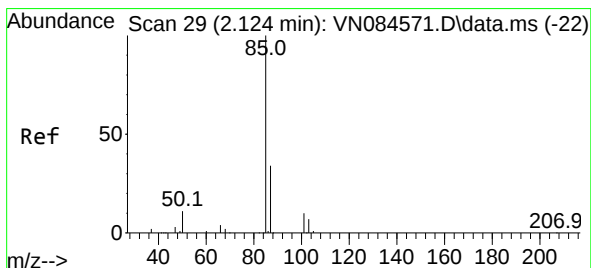
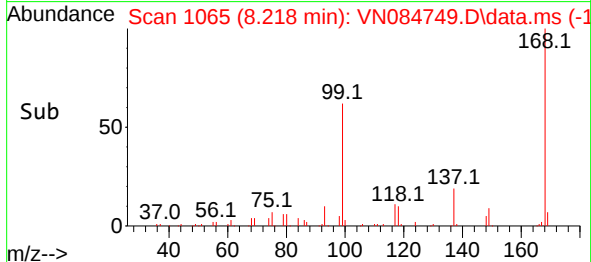
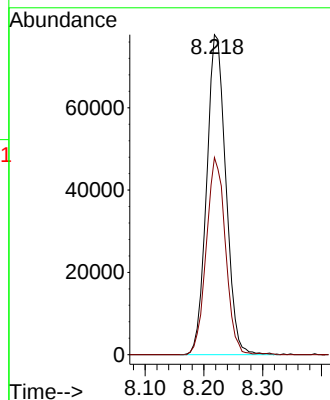
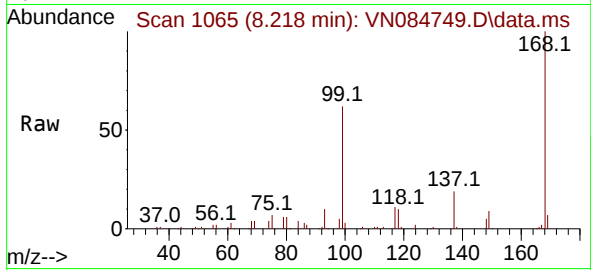




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

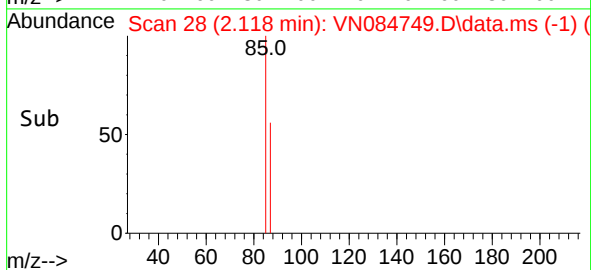
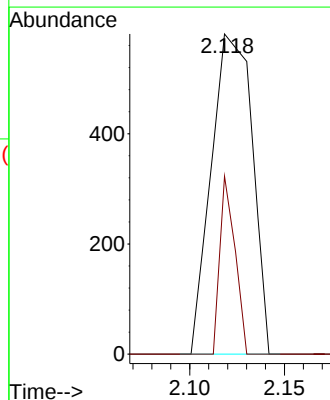
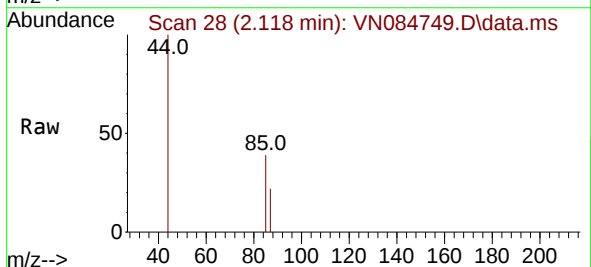
Instrument : MSVOA_N
ClientSampleId : BP-VPB-190-DUP-20241105

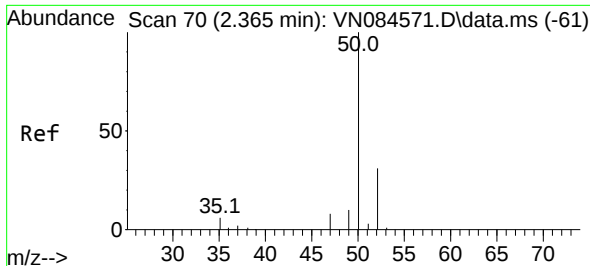
Tgt Ion:168 Resp: 176583
Ion Ratio Lower Upper
168 100
99 61.6 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.430 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 85 Resp: 873
Ion Ratio Lower Upper
85 100
87 55.6 17.6 52.9#

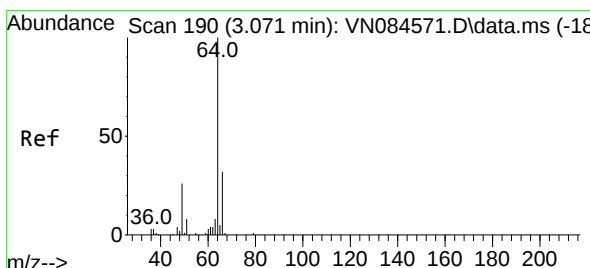
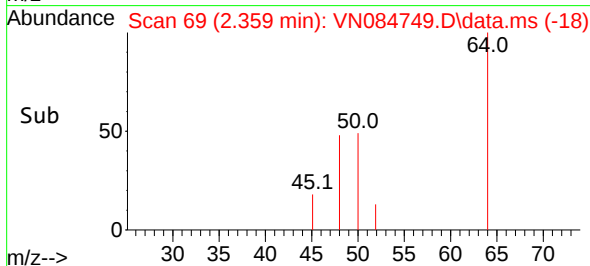
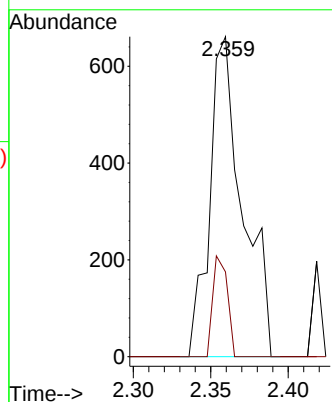
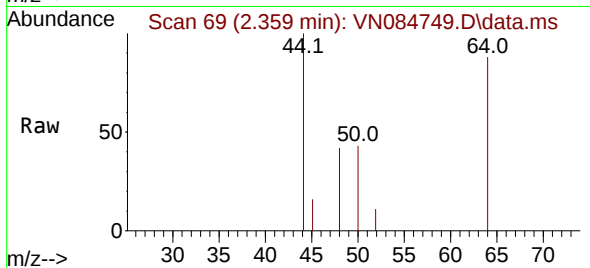




#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

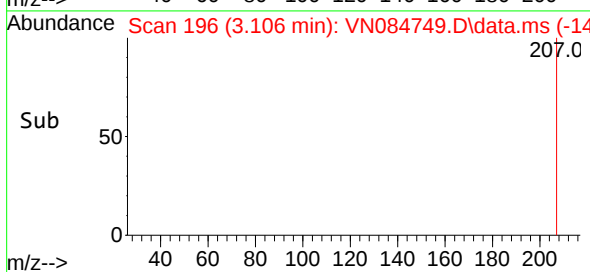
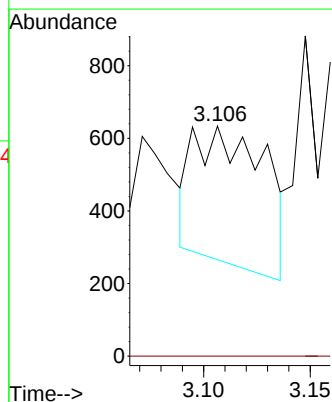
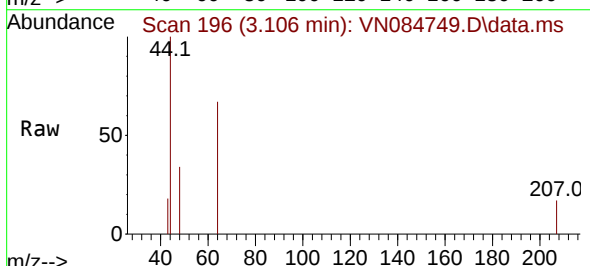
Instrument :
MSVOA_N
ClientSampleId :
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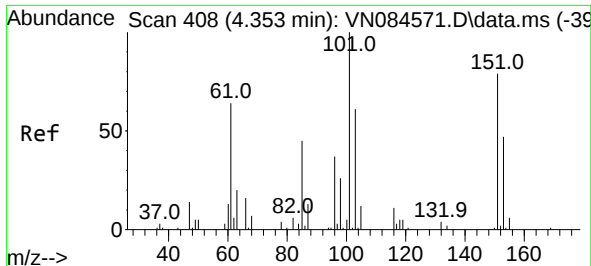
Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 26.5 26.8 40.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 64 Resp: 861
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

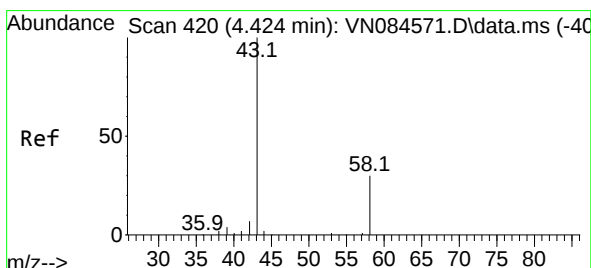
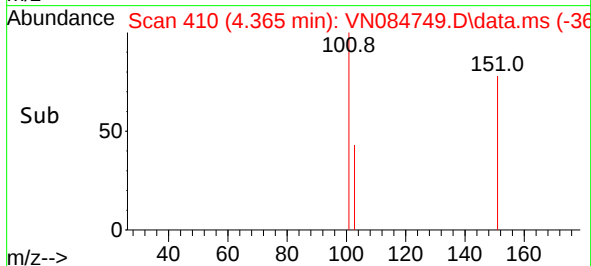
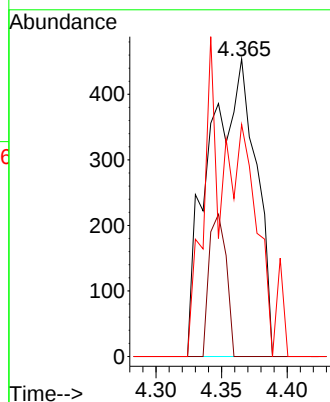
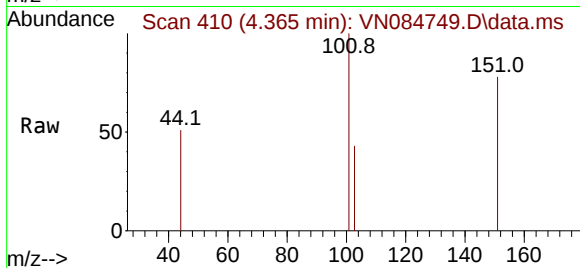




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.558 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

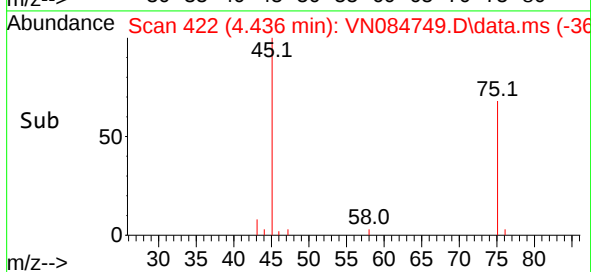
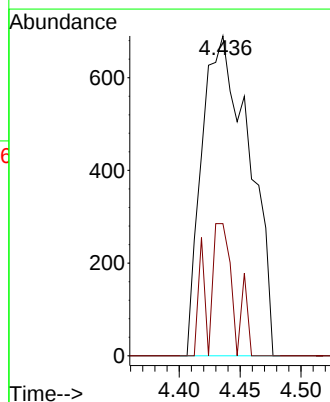
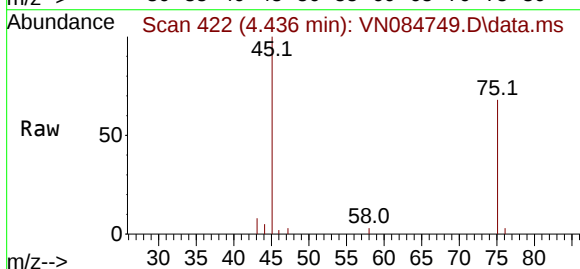
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion:101 Resp: 1133
Ion Ratio Lower Upper
101 100
85 0.0 36.2 54.4#
151 0.0 59.3 88.9#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 43 Resp: 1868
Ion Ratio Lower Upper
43 100
58 41.3 24.4 36.6#

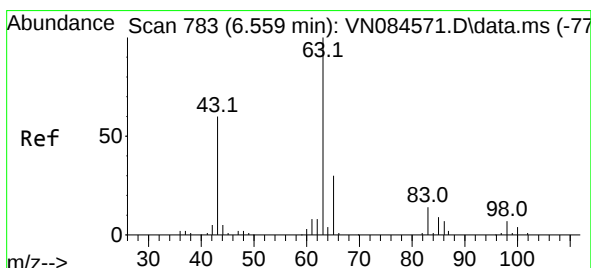
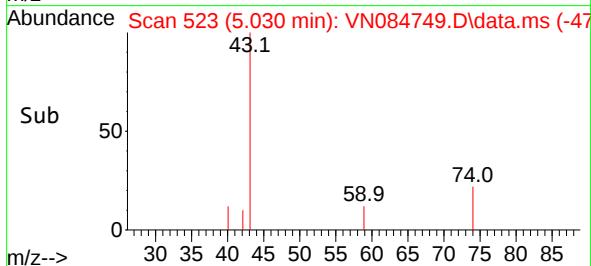
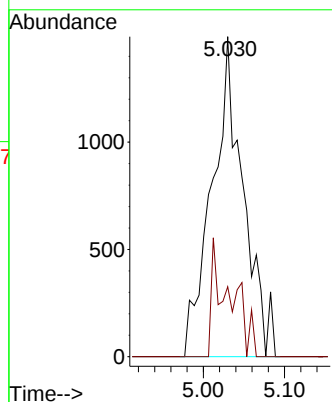
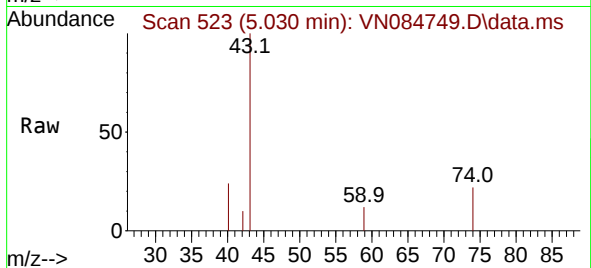




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

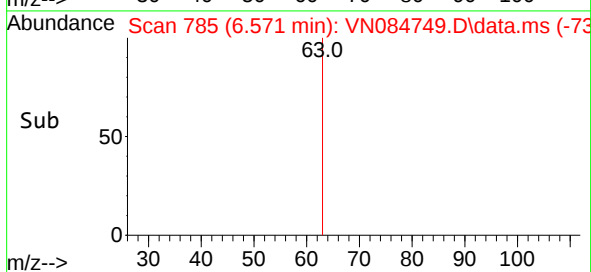
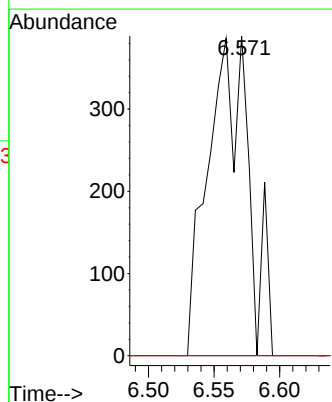
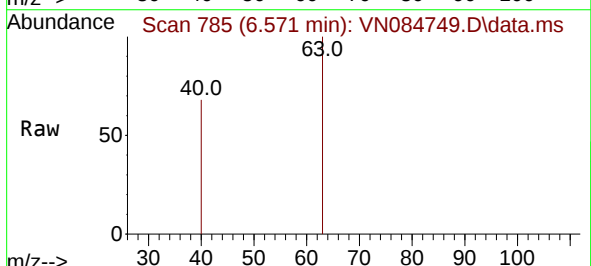
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
74 9.3 19.2 28.8#



#24
1,1-Dichloroethane
Concen: 0.216 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 63 Resp: 839
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#

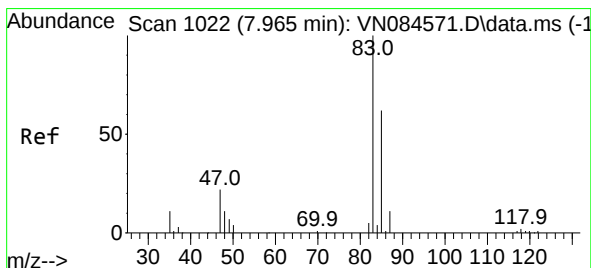
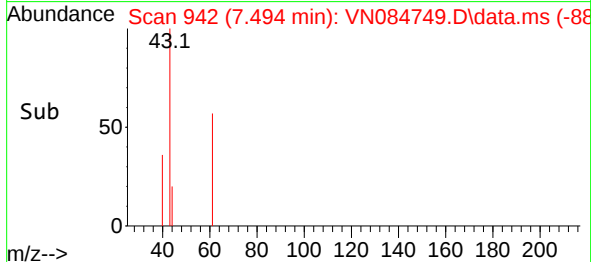
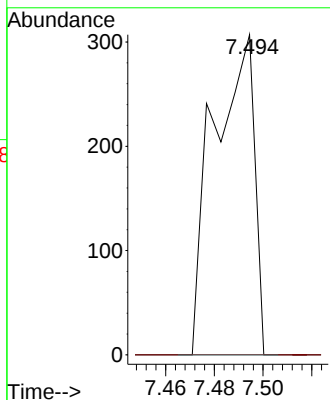
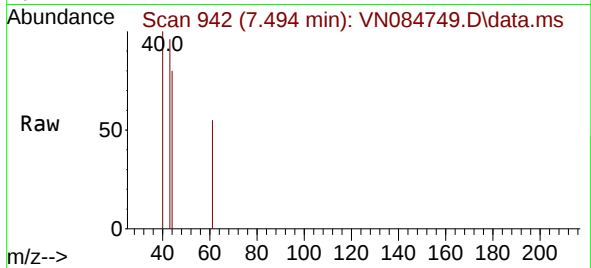




#25
2-Butanone
Concen: 0.298 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

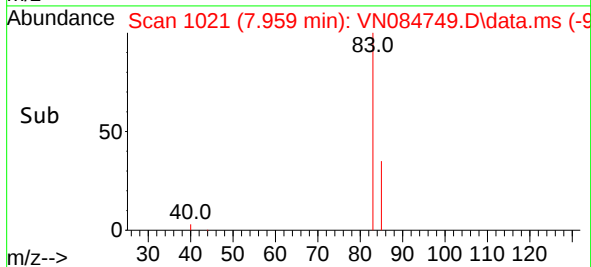
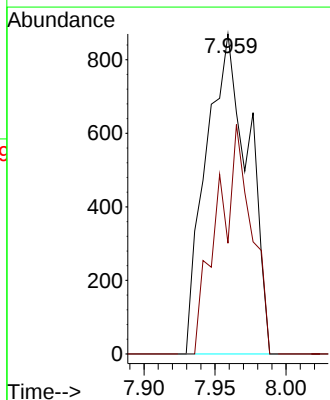
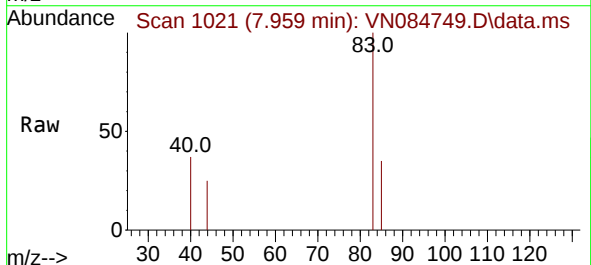
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ClientSampleId :
BP-VPB-190-DUP-20241105

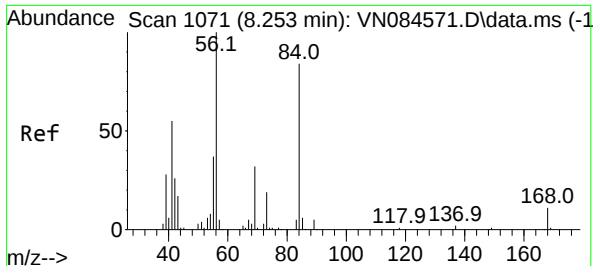
Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#30
Chloroform
Concen: 0.457 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 83 Resp: 1809
Ion Ratio Lower Upper
83 100
85 34.6 51.0 76.4#

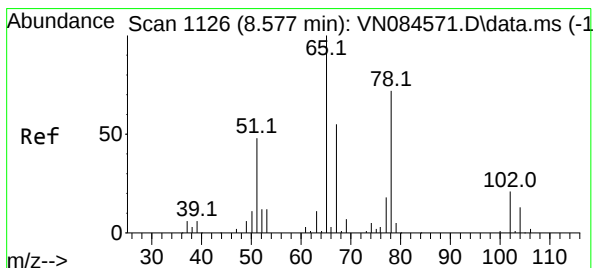
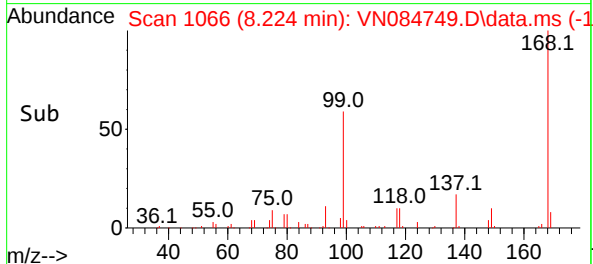
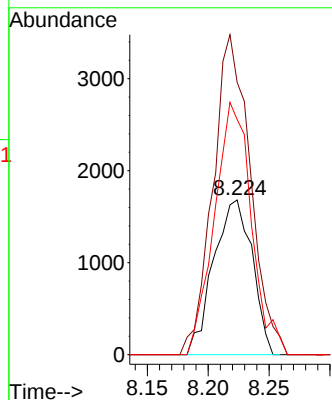
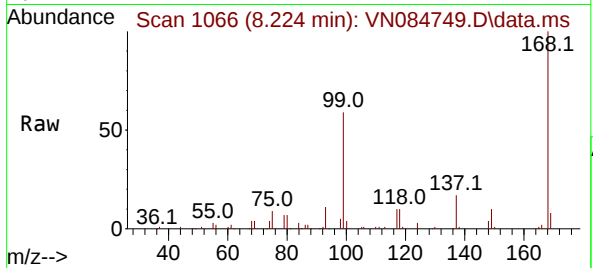




#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

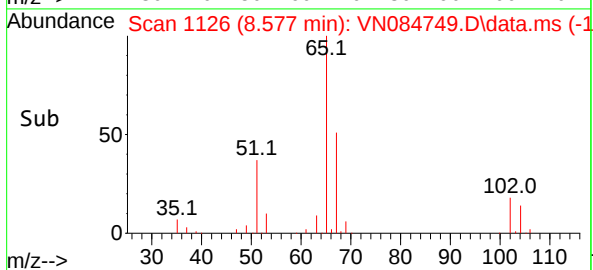
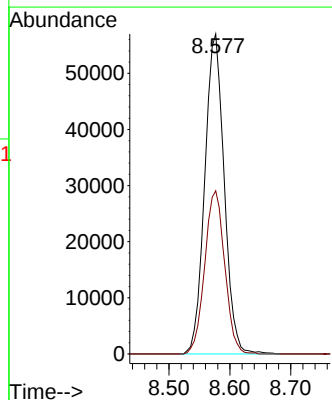
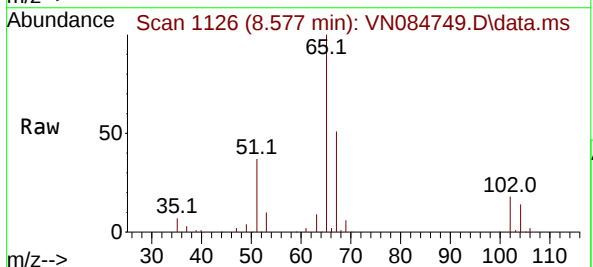
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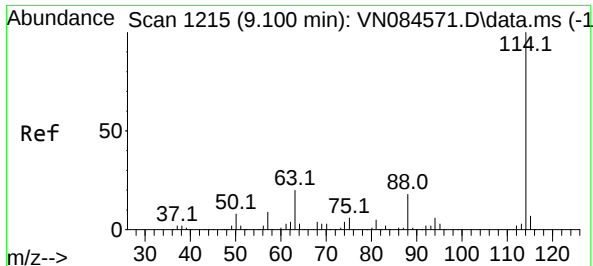
Tgt Ion: 56 Resp: 3706
Ion Ratio Lower Upper
56 100
69 175.9 23.8 35.6#
84 152.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.539 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 65 Resp: 126348
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0

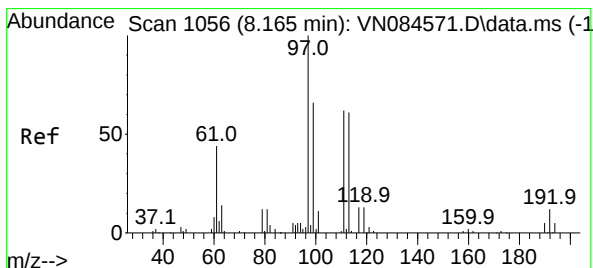
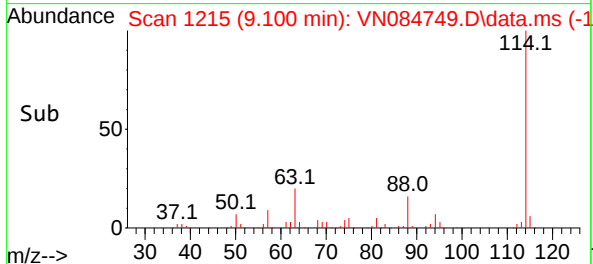
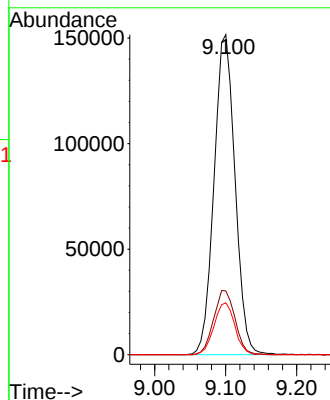
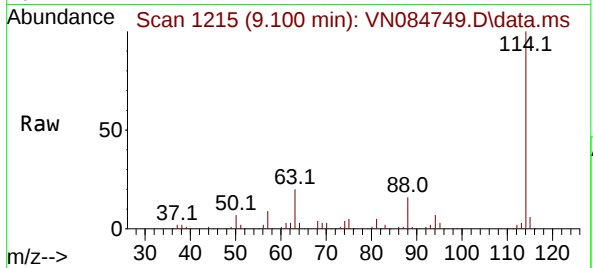




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

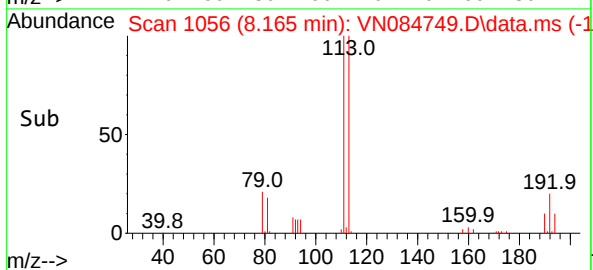
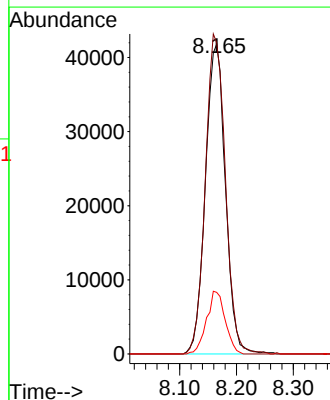
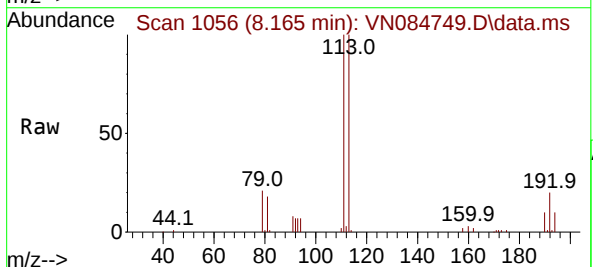
Instrument :
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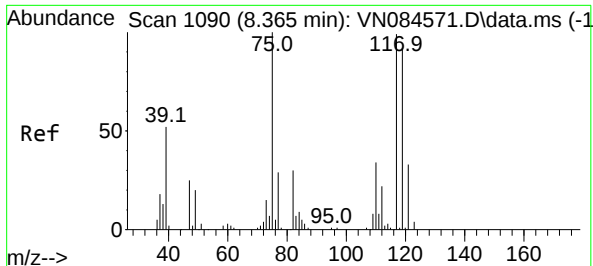
Tgt Ion:114 Resp: 310479
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.8
88 16.2 0.0 31.6



#35
Dibromofluoromethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion:113 Resp: 102080
Ion Ratio Lower Upper
113 100
111 103.2 83.3 124.9
192 18.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN084749.D

Acq: 08 Nov 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-DUP-20241105

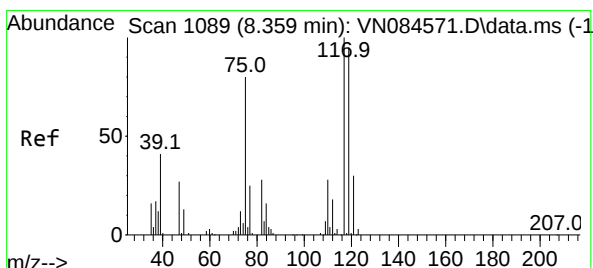
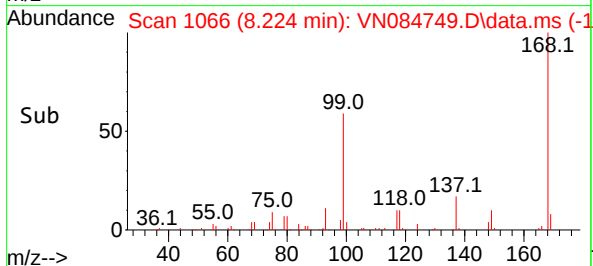
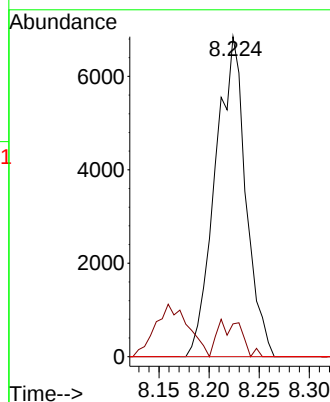
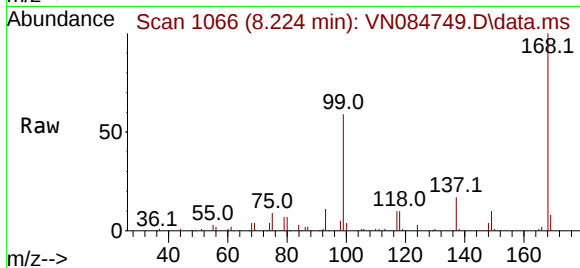
Tgt Ion: 75 Resp: 14484

Ion Ratio Lower Upper

75 100

110 4.1 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.732 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084749.D

Acq: 08 Nov 2024 14:56

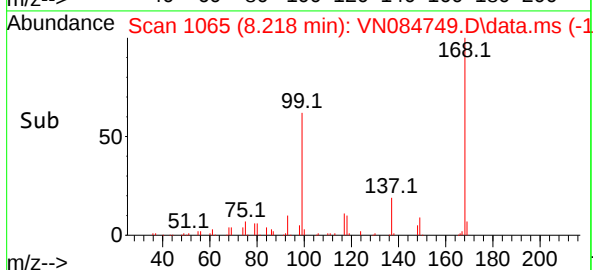
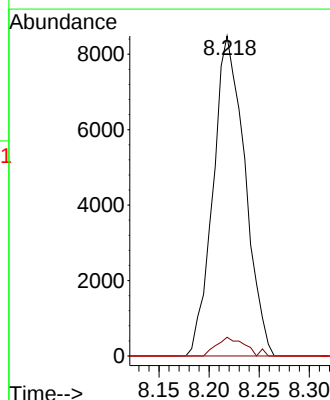
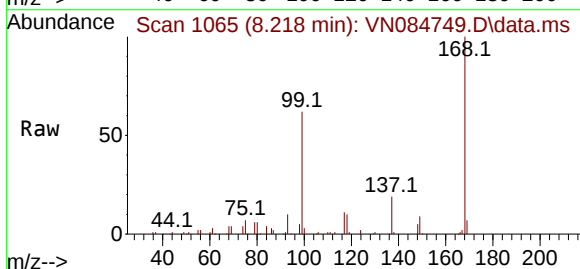
Tgt Ion: 117 Resp: 18673

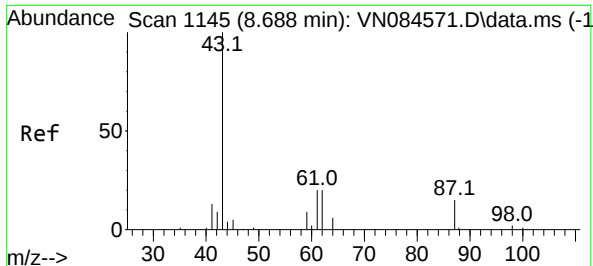
Ion Ratio Lower Upper

117 100

119 5.9 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1141

Delta R.T. -0.023 min

Lab File: VN084749.D

Acq: 08 Nov 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-DUP-20241105

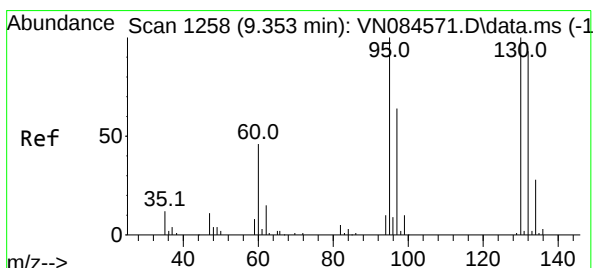
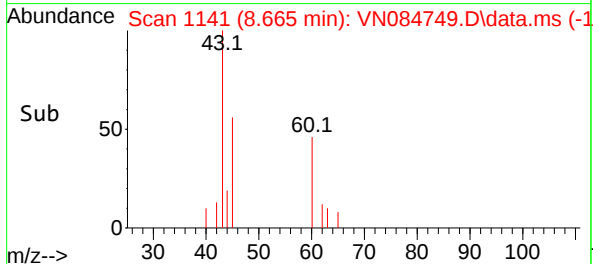
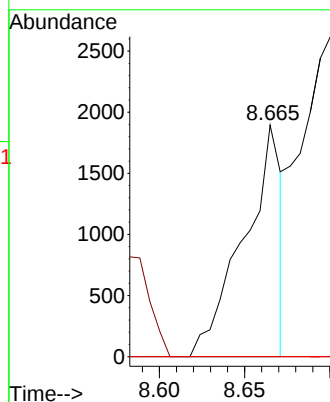
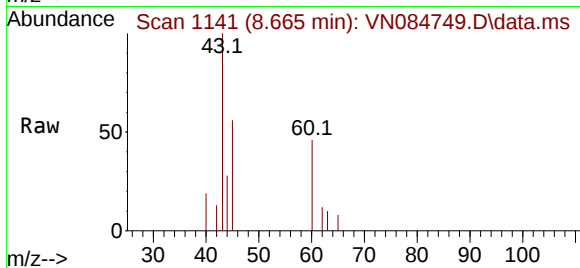
Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#44

Trichloroethene

Concen: 0.390 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084749.D

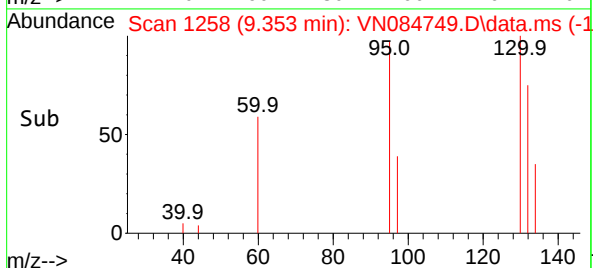
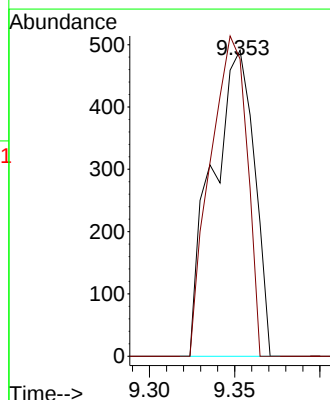
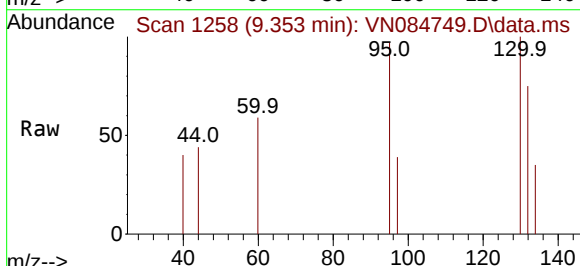
Acq: 08 Nov 2024 14:56

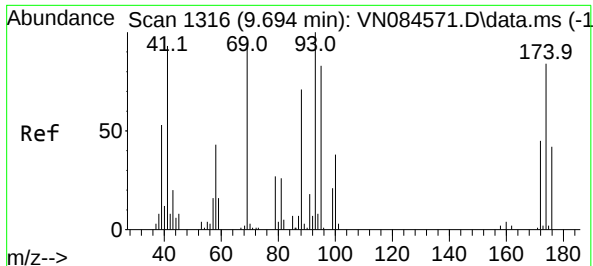
Tgt Ion:130 Resp: 842

Ion Ratio Lower Upper

130 100

95 97.1 0.0 203.0





#49

1,4-Dioxane

Concen: 1.618 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN084749.D

Acq: 08 Nov 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-DUP-20241105

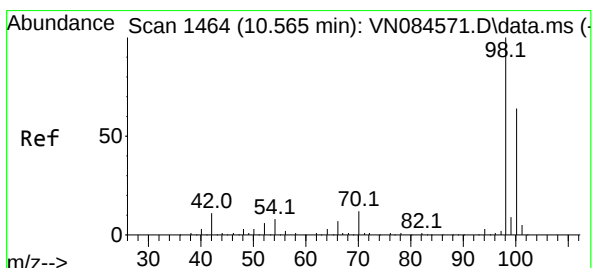
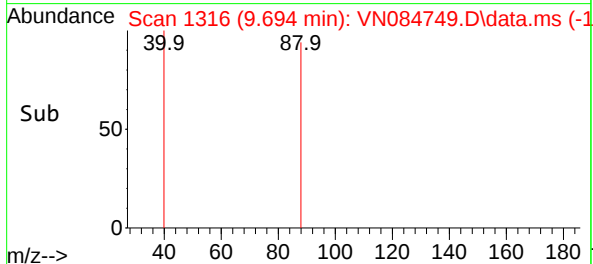
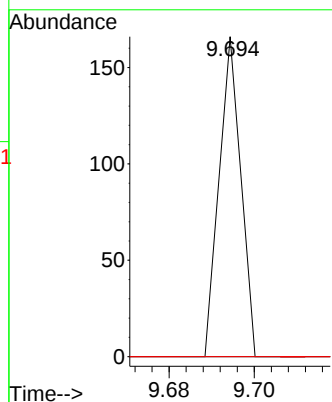
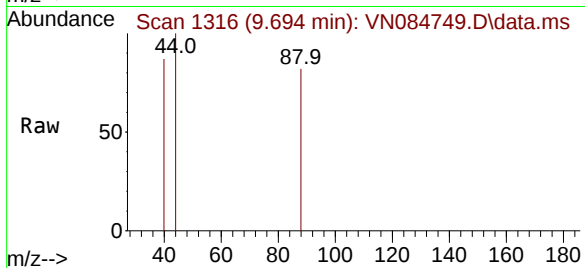
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 46.331 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084749.D

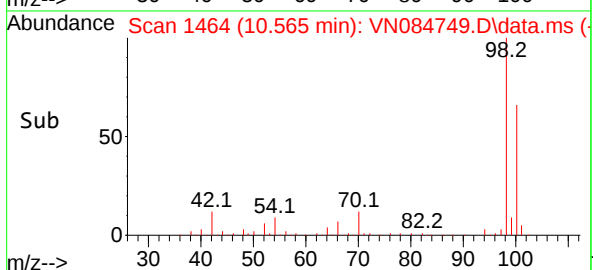
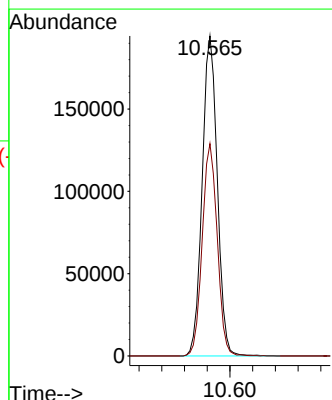
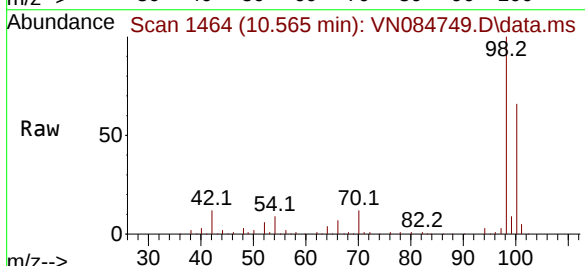
Acq: 08 Nov 2024 14:56

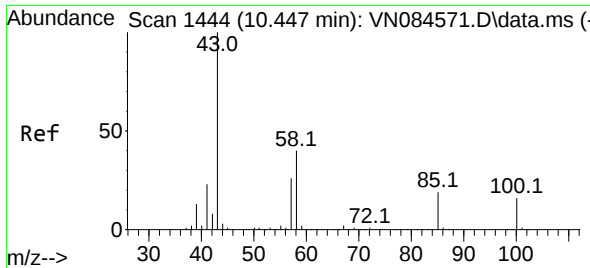
Tgt Ion: 98 Resp: 358668

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1

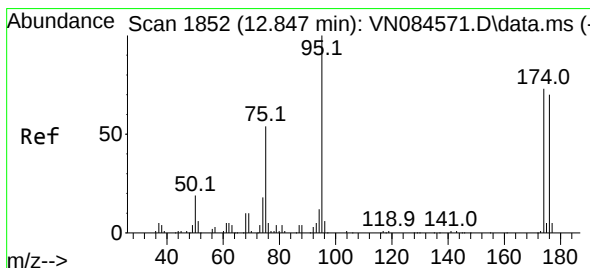
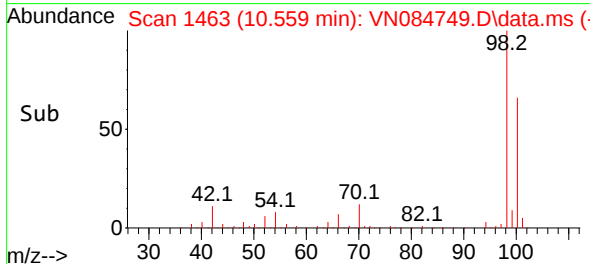
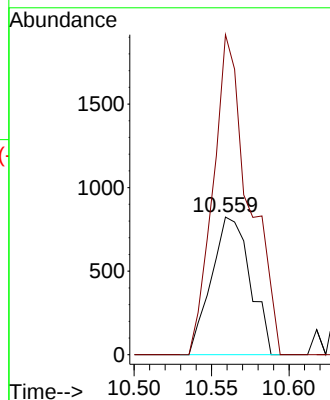
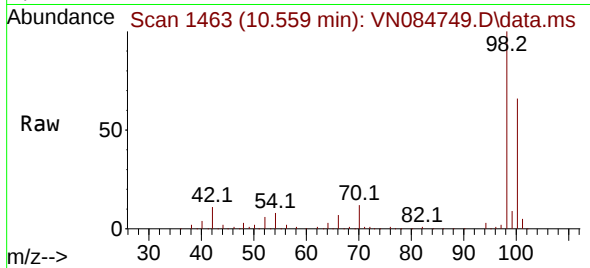




#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.118 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

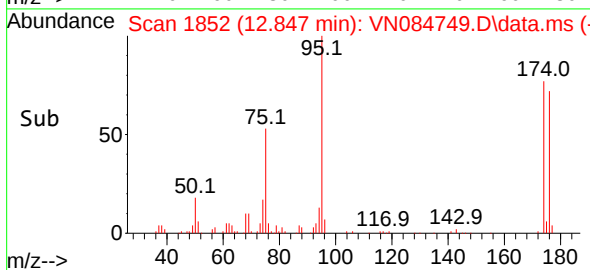
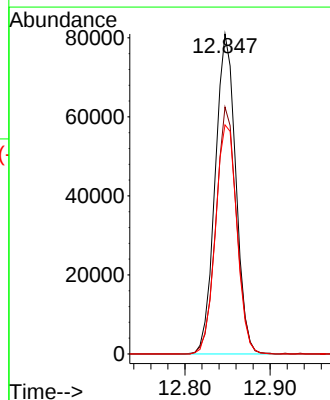
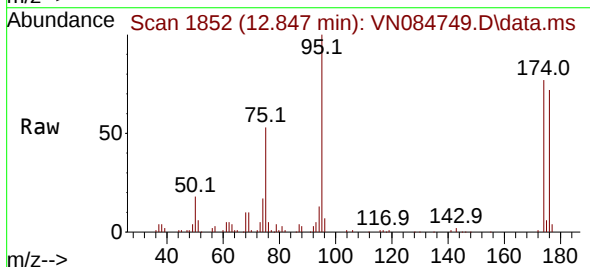
Instrument : MSVOA_N
ClientSampleId : BP-VPB-190-DUP-20241105

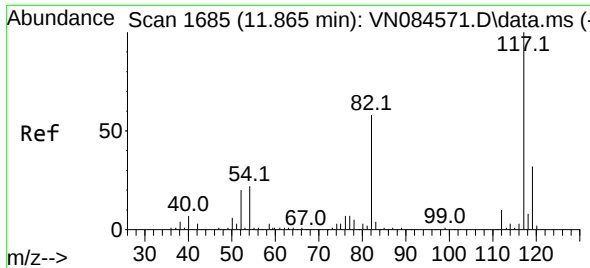
Tgt Ion: 43 Resp: 1434
Ion Ratio Lower Upper
43 100
58 215.9 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 46.965 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 95 Resp: 135882
Ion Ratio Lower Upper
95 100
174 77.1 0.0 145.2
176 74.5 0.0 140.0

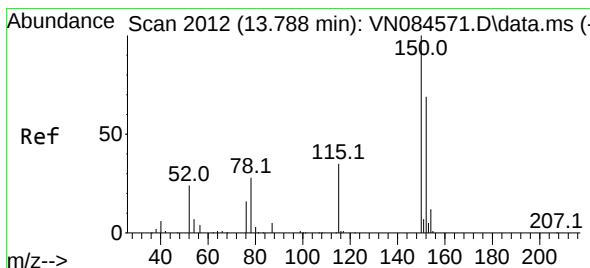
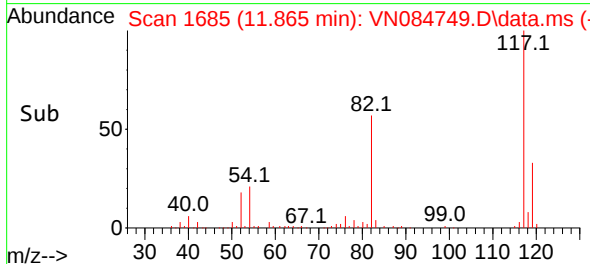
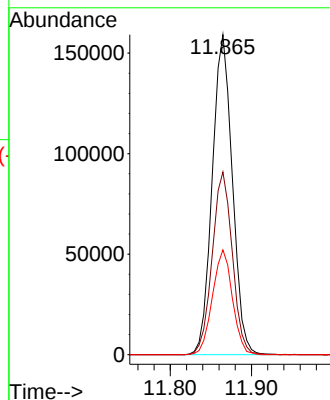
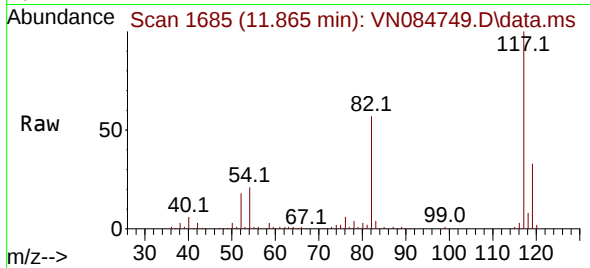




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

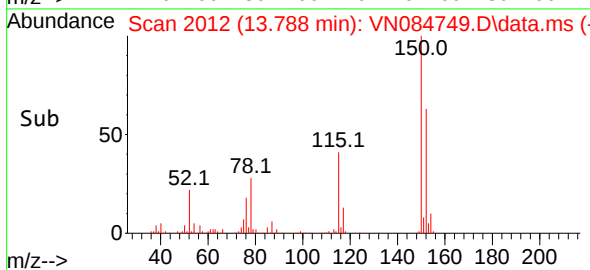
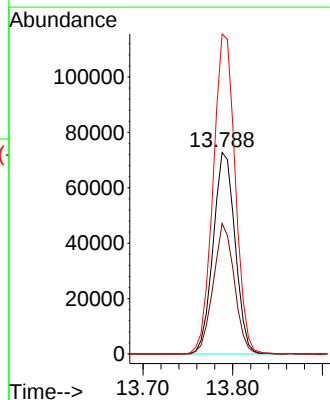
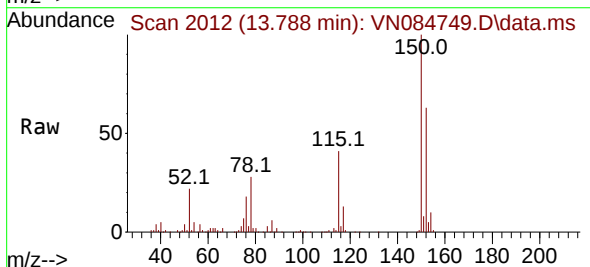
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

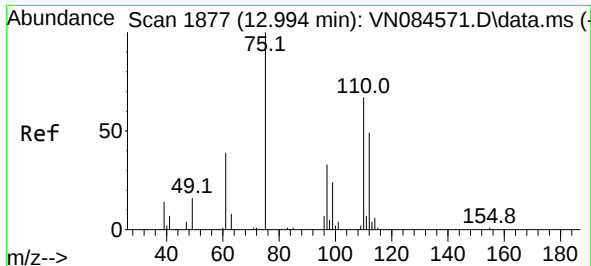
Tgt Ion:117 Resp: 273960
Ion Ratio Lower Upper
117 100
82 57.1 47.2 70.8
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion:152 Resp: 123463
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.9
150 160.0 0.0 349.8

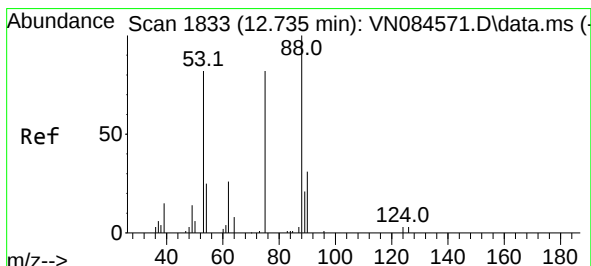
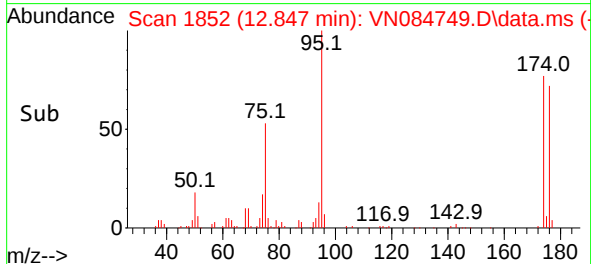
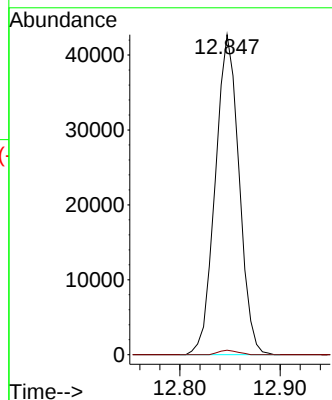
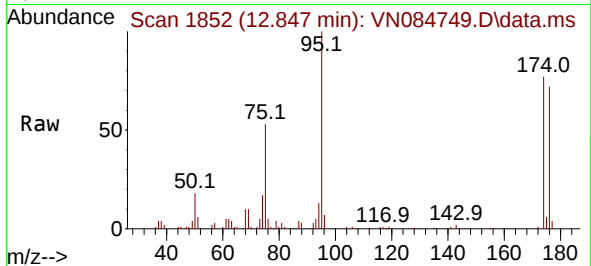




#76
1,2,3-Trichloropropane
Concen: 28.463 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

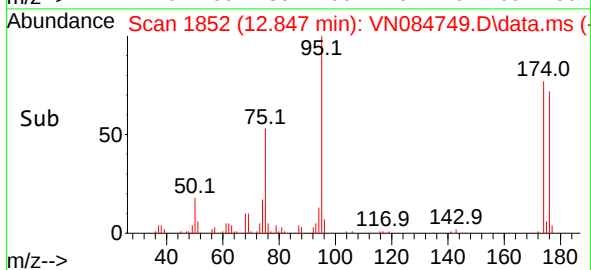
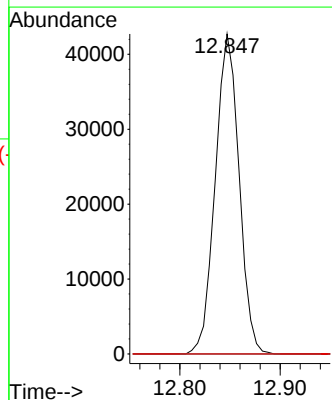
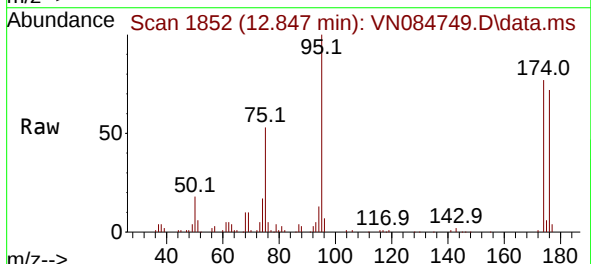
Instrument : MSVOA_N
ClientSampleId : BP-VPB-190-DUP-20241105

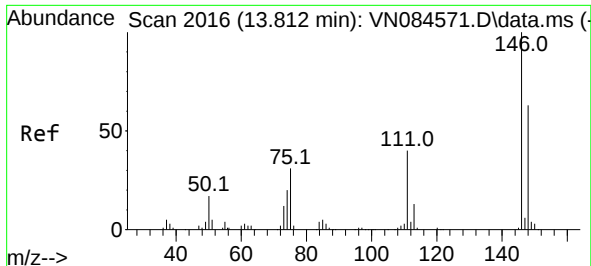
Tgt Ion: 75 Resp: 70246
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.526 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 75 Resp: 70246
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: 13.818 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084749.D

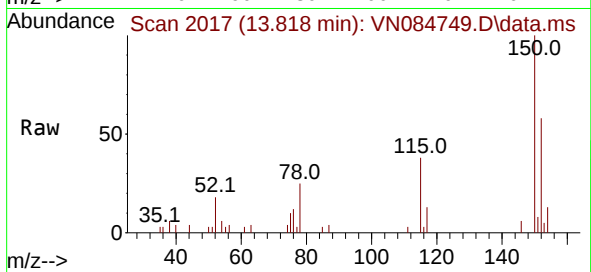
Acq: 08 Nov 2024 14:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-DUP-20241105



Tgt Ion:146 Resp: 333

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

