

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
 Data File : VN084635.D
 Acq On : 01 Nov 2024 13:53
 Operator : JC\MD
 Sample : P4665-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-TB-20241029

Quant Time: Nov 04 04:27:06 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	8.223	168	171981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	270682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	126157	50.788	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.580%	
35) Dibromofluoromethane	8.165	113	101331	49.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.420%	
50) Toluene-d8	10.565	98	356786	47.037	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.080%	
62) 4-Bromofluorobenzene	12.847	95	134831	47.562	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	974	Below Cal	#	88
6) Chloroethane	3.112	64	284	Below Cal	#	45
16) Acetone	4.430	43	1793	Below Cal	#	44
18) Methyl Acetate	5.030	43	3401	Below Cal	#	62
29) Tetrahydrofuran	7.841	42	7157	9.309	ug/l	97
31) Cyclohexane	8.218	56	3748	1.093	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	14761	5.169	ug/l	# 49
38) Carbon Tetrachloride	8.223	117	18940	5.934	ug/l	# 14
41) Methacrylonitrile	7.847	41	4349	3.121	ug/l	# 49
43) Isopropyl Acetate	8.676	43	823	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1885	0.763	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	70066	29.768	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	70066	70.622	ug/l	# 11
88) 1,4-Dichlorobenzene	13.817	146	749	Below Cal	#	38
93) 1,2,4-Trichlorobenzene	15.388	180	500	0.220	ug/l	# 88

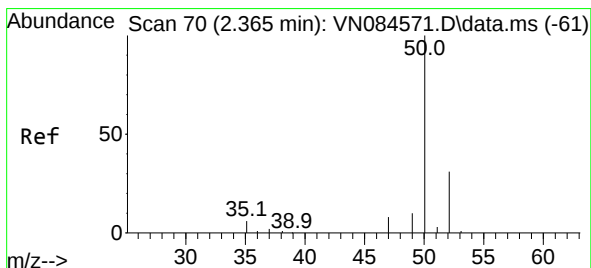
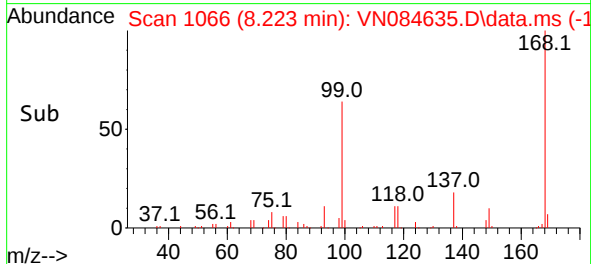
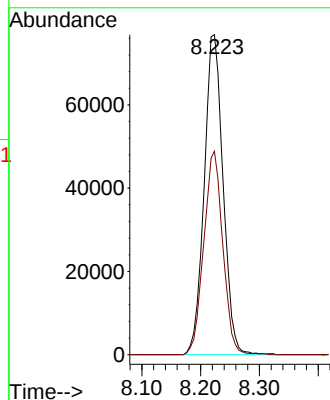
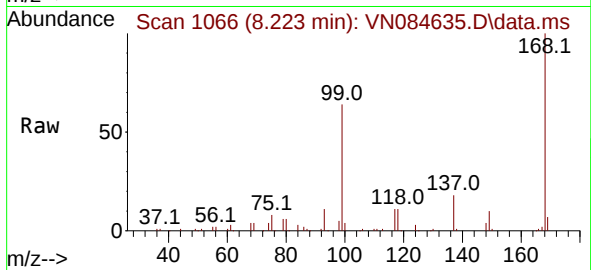
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

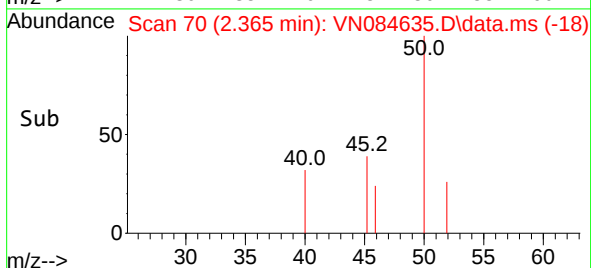
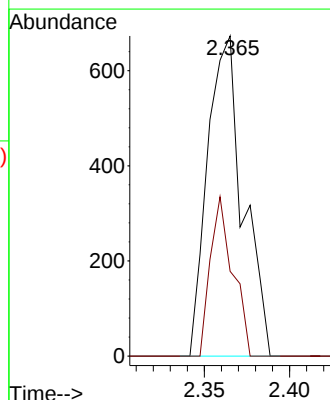
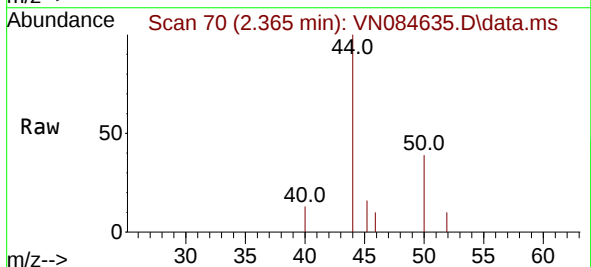
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

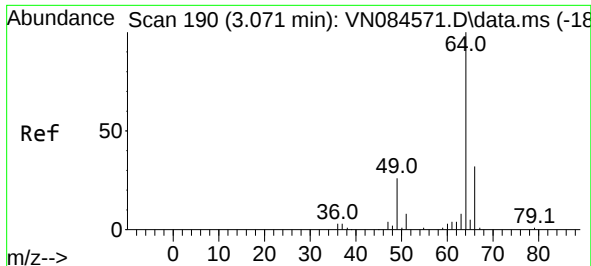
Tgt Ion:168 Resp: 171981
Ion Ratio Lower Upper
168 100
99 63.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 50 Resp: 974
Ion Ratio Lower Upper
50 100
52 26.4 26.8 40.2#

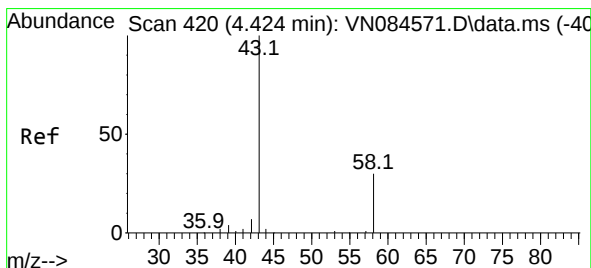
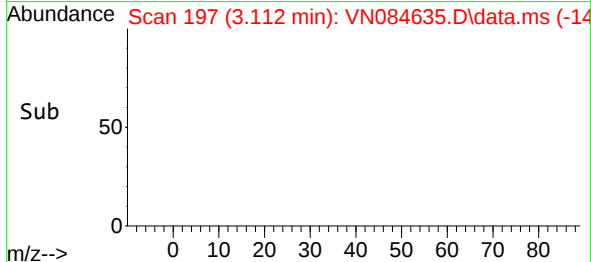
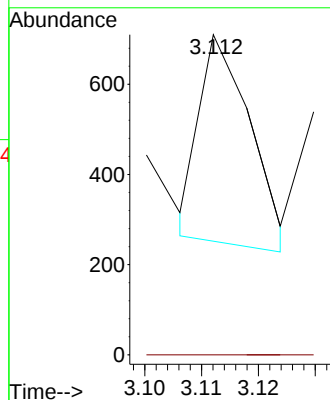
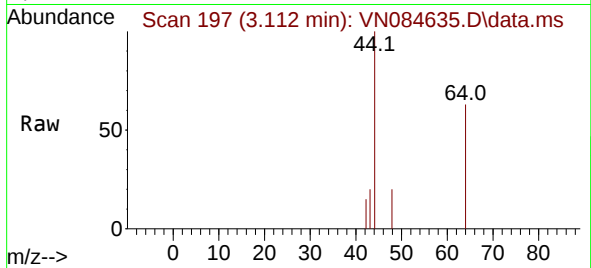




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

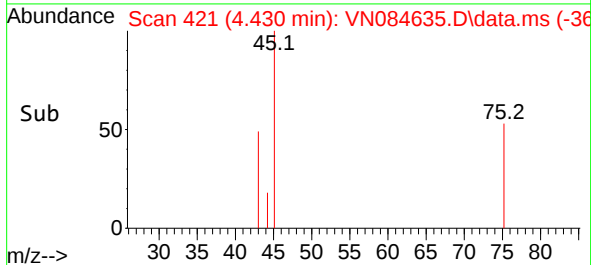
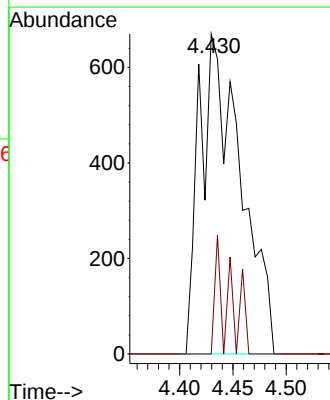
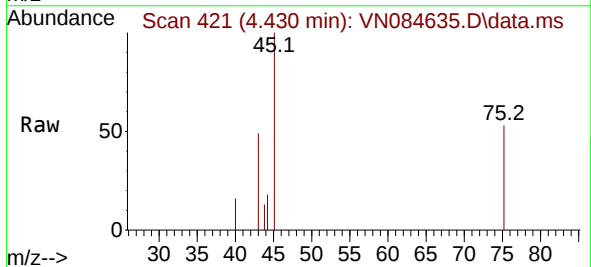
Instrument : MSVOA_N
ClientSampleId : BP-VPB-190-TB-20241029

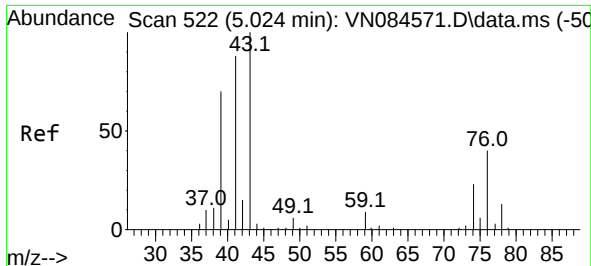
Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

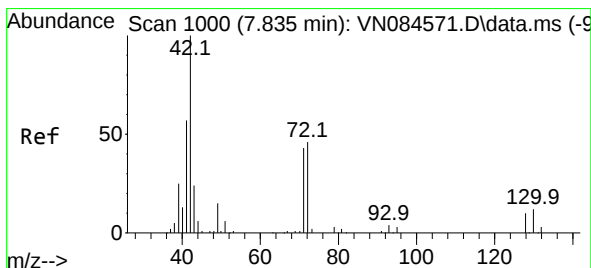
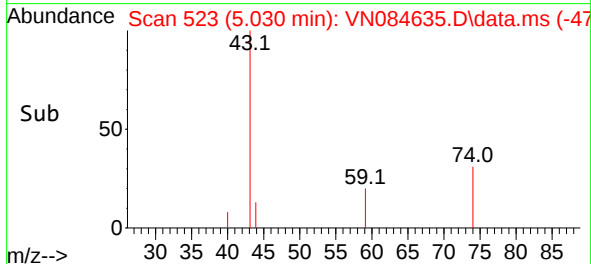
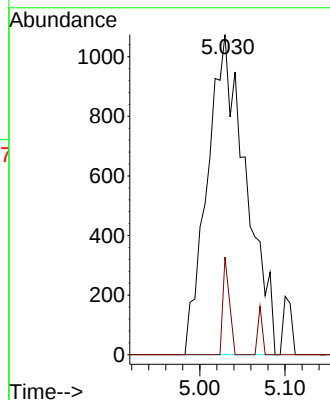
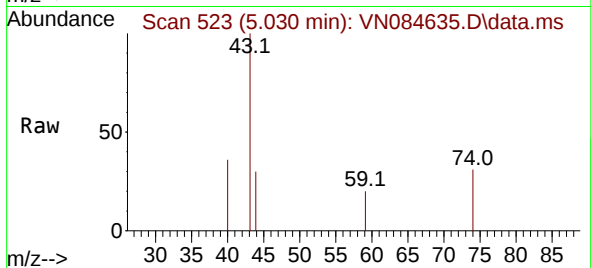




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

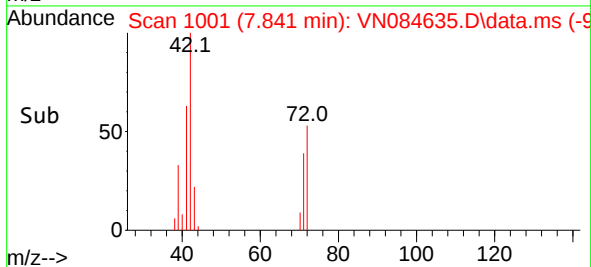
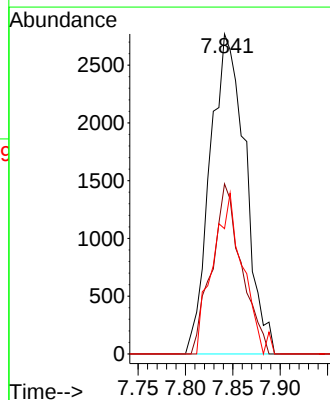
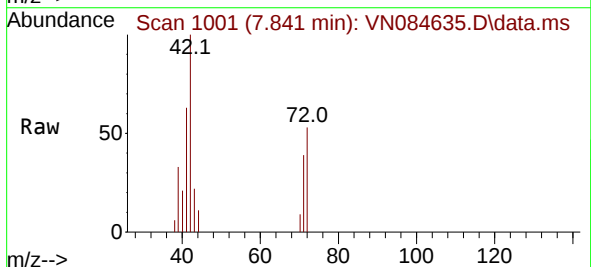
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

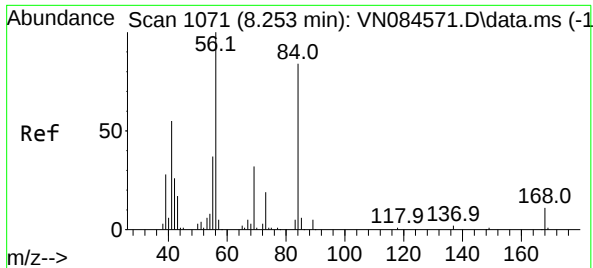
Tgt Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
74 5.1 19.2 28.8#



#29
Tetrahydrofuran
Concen: 9.309 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 42 Resp: 7157
Ion Ratio Lower Upper
42 100
72 44.9 34.6 51.8
71 43.0 32.2 48.4

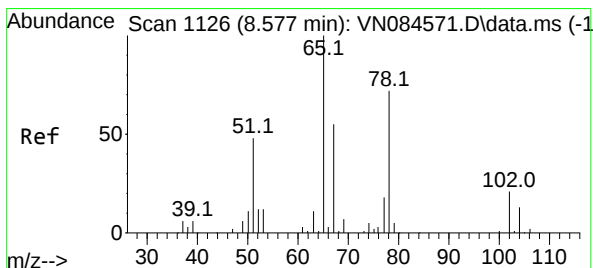
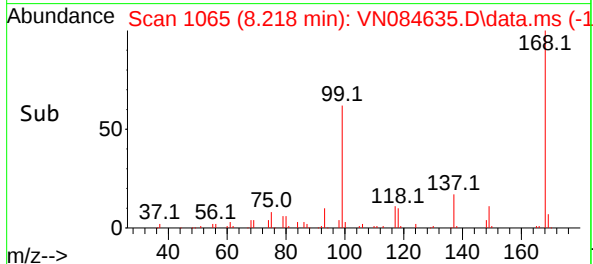
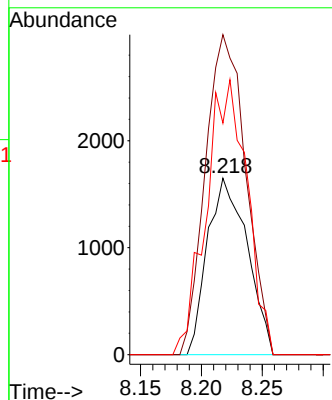
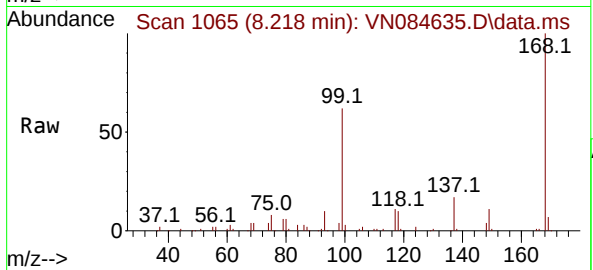




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

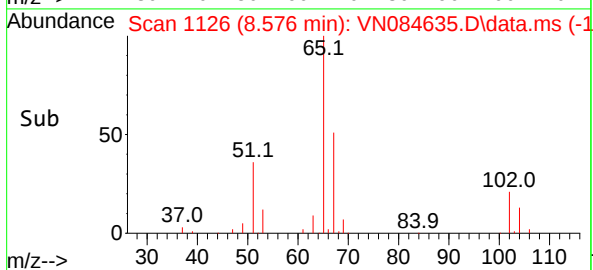
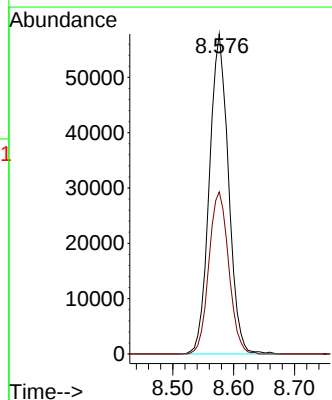
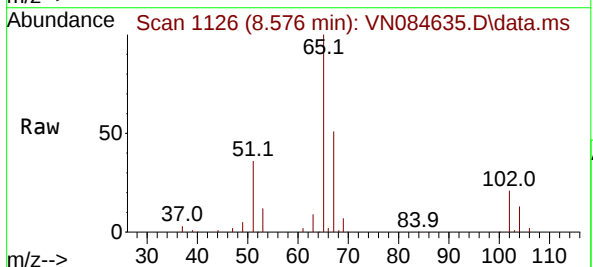
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

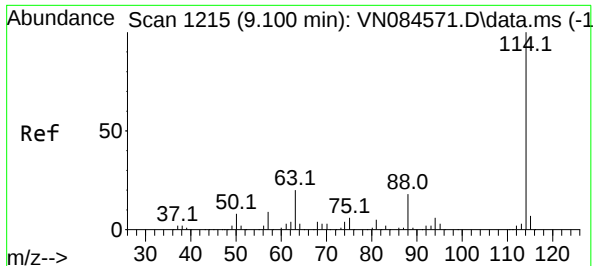
Tgt Ion: 56 Resp: 3748
Ion Ratio Lower Upper
56 100
69 181.3 23.8 35.6#
84 131.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.788 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 65 Resp: 126157
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: VN084635.D

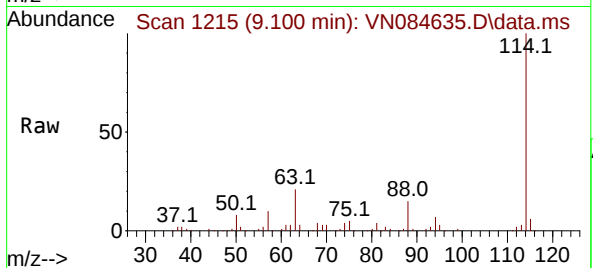
Acq: 01 Nov 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-TB-20241029



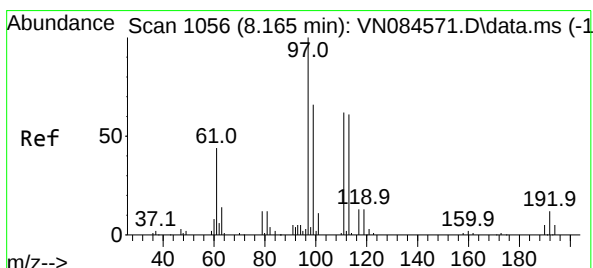
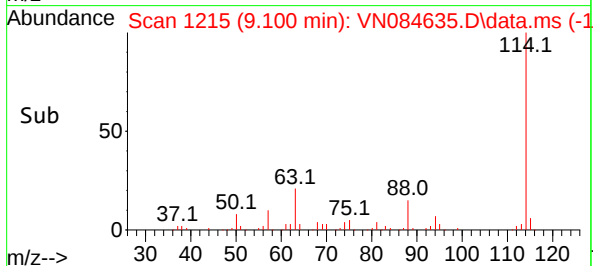
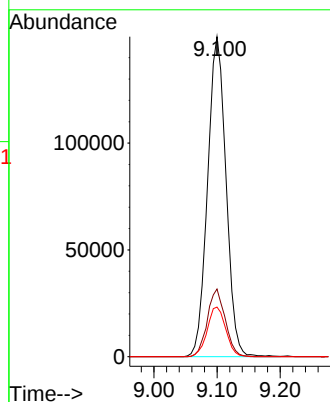
Tgt Ion:114 Resp: 304211

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 15.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.210 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084635.D

Acq: 01 Nov 2024 13:53

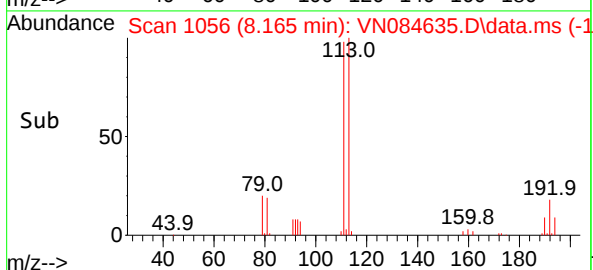
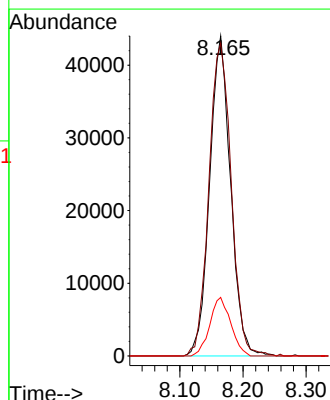
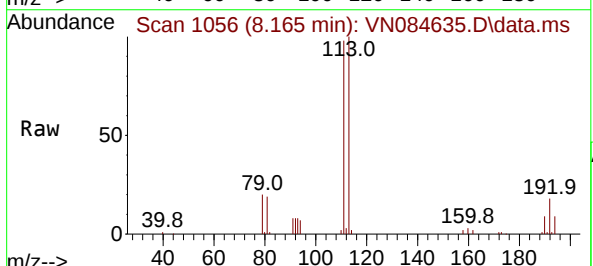
Tgt Ion:113 Resp: 101331

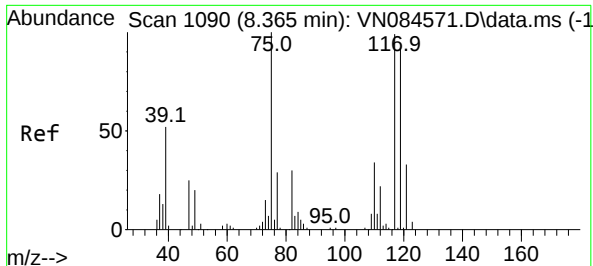
Ion Ratio Lower Upper

113 100

111 104.0 83.3 124.9

192 18.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.169 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084635.D

Acq: 01 Nov 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-TB-20241029

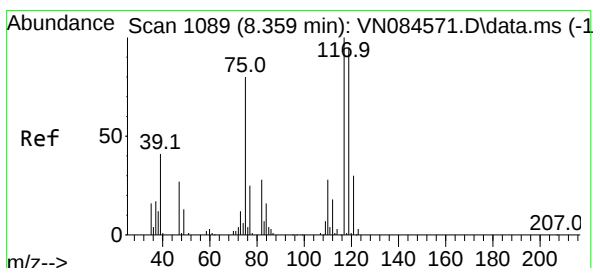
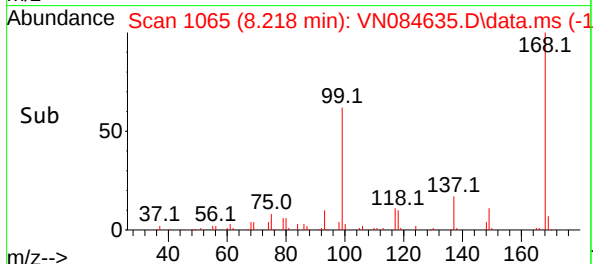
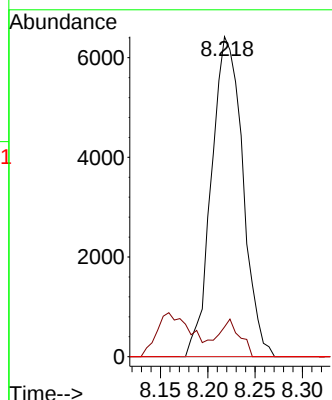
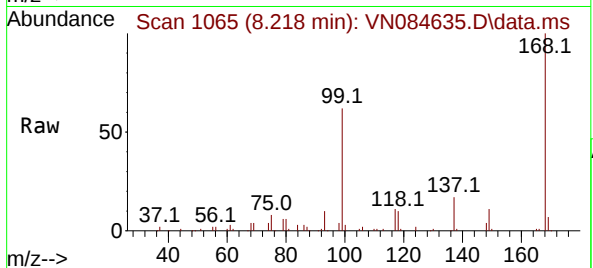
Tgt Ion: 75 Resp: 14761

Ion Ratio Lower Upper

75 100

110 7.1 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.934 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN084635.D

Acq: 01 Nov 2024 13:53

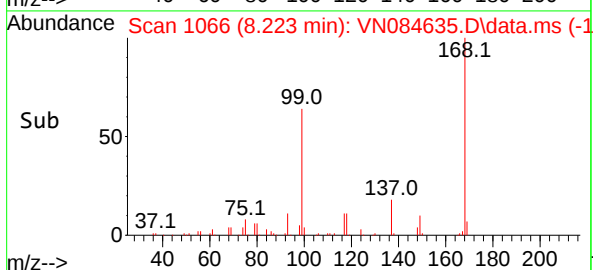
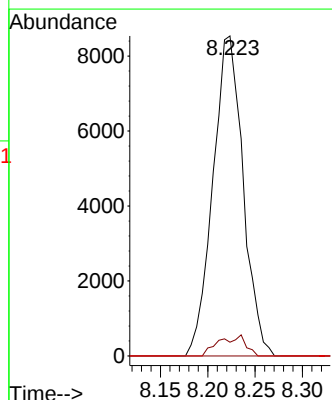
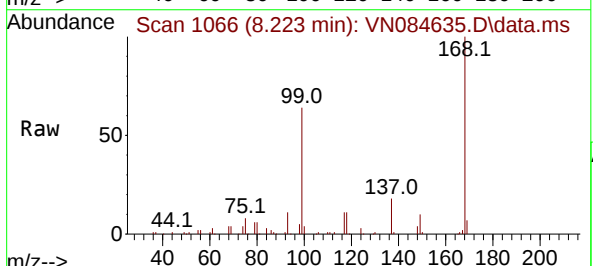
Tgt Ion: 117 Resp: 18940

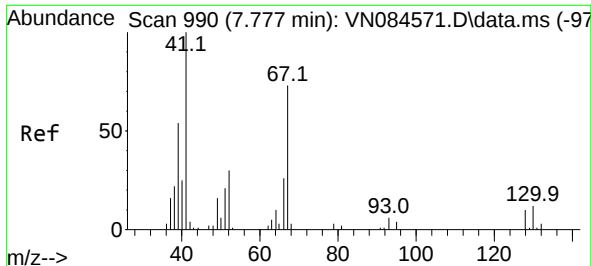
Ion Ratio Lower Upper

117 100

119 4.3 78.7 118.1#

121 0.0 24.4 36.6#

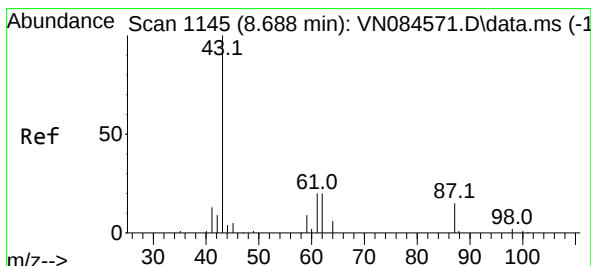
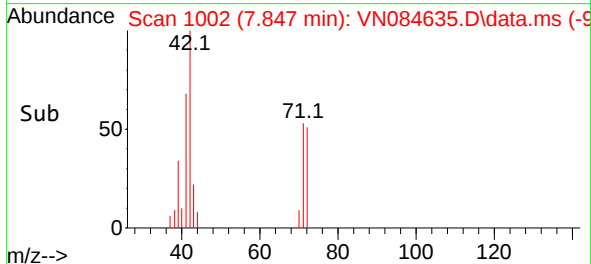
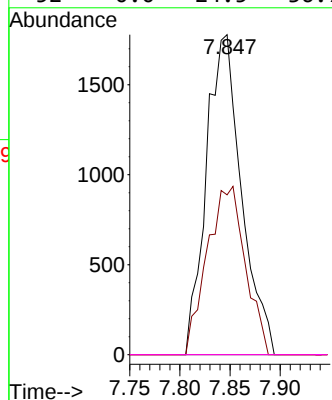
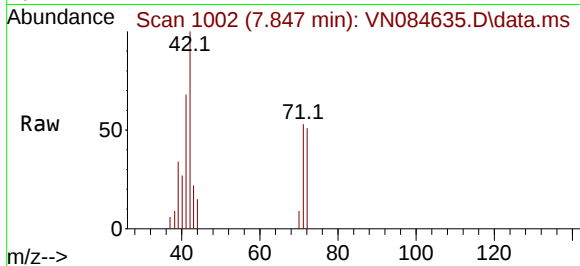




#41
Methacrylonitrile
Concen: 3.121 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

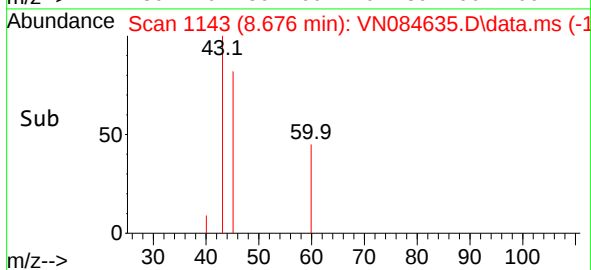
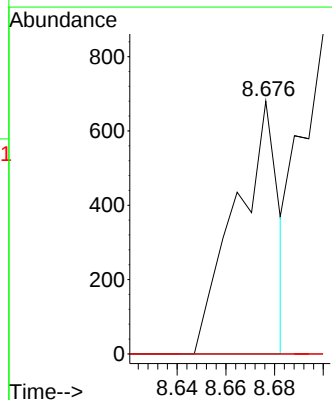
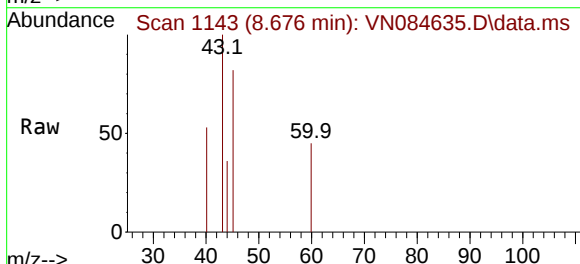
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

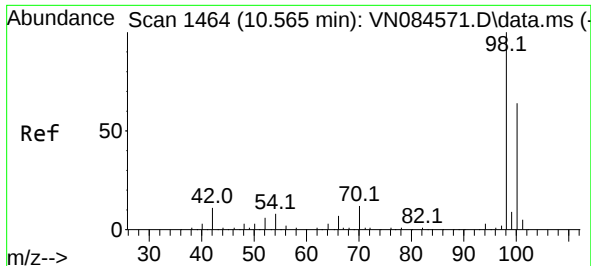
Tgt Ion: 41	Resp: 4349
Ion Ratio	Lower Upper
41	100
39	56.9 43.3 64.9
67	0.0 56.1 84.1#
52	0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.676 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 43	Resp: 823
Ion Ratio	Lower Upper
43	100
61	0.0 20.4 30.6#
87	0.0 10.3 15.5#

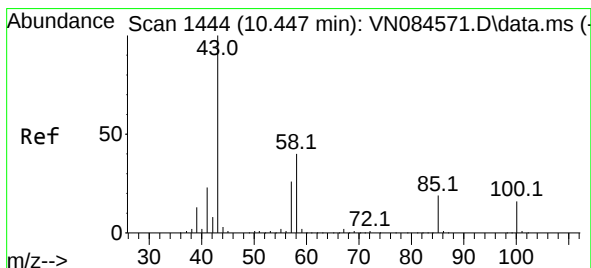
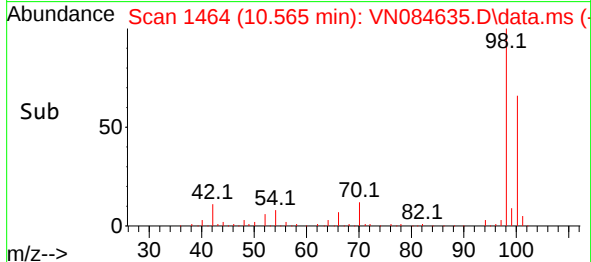
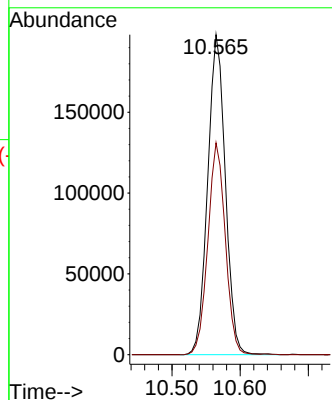
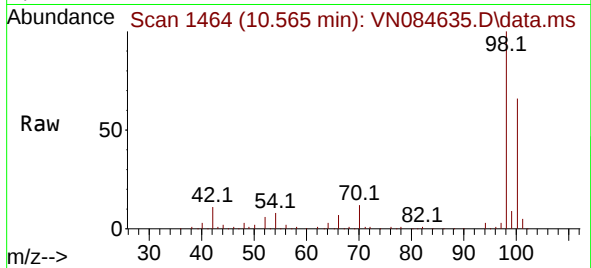




#50
Toluene-d8
Concen: 47.037 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

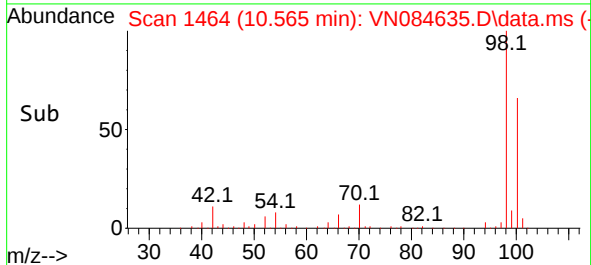
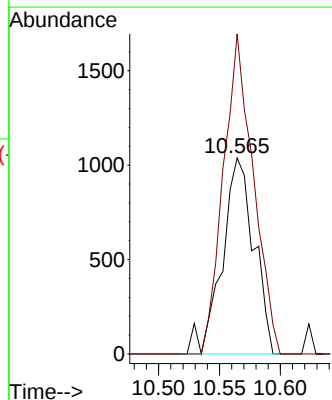
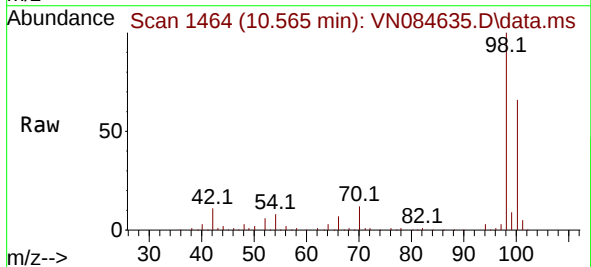
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

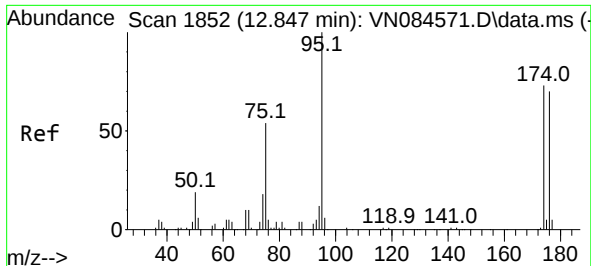
Tgt Ion: 98 Resp: 356786
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.763 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
58 154.3 31.6 47.4#

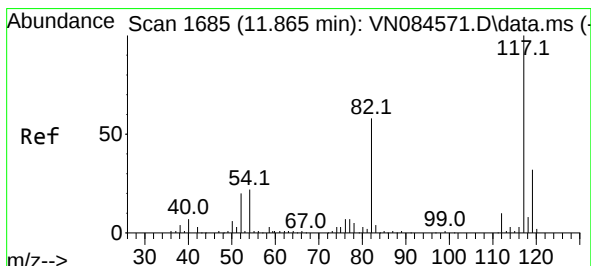
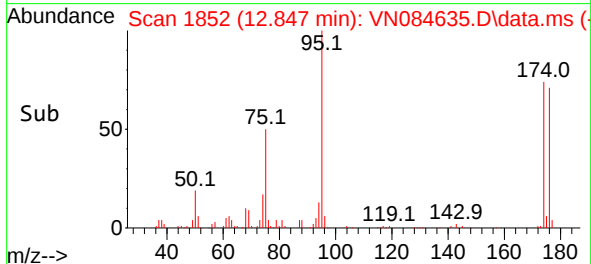
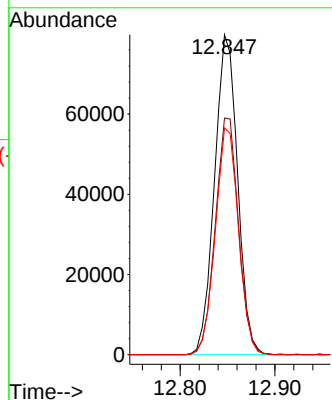
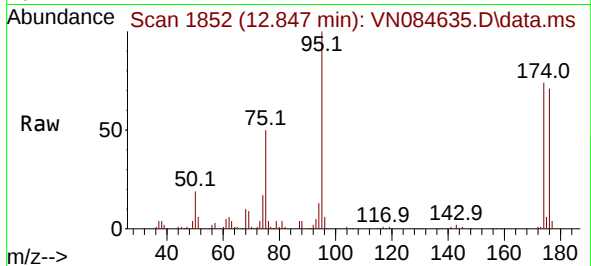




#62
4-Bromofluorobenzene
Concen: 47.562 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

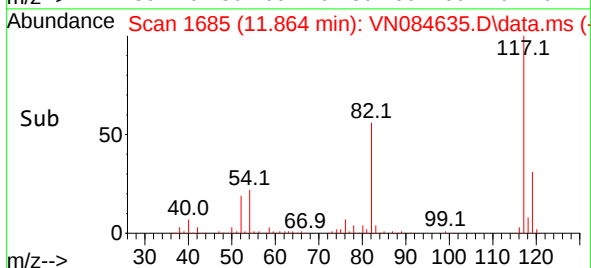
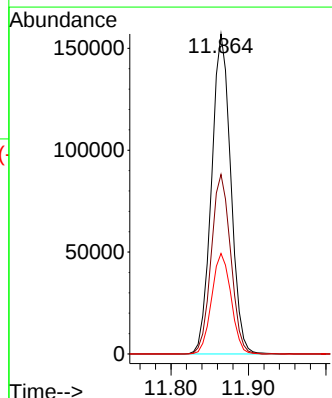
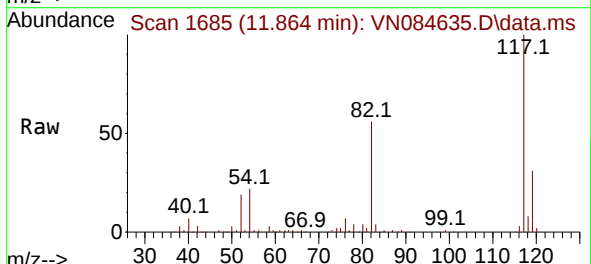
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

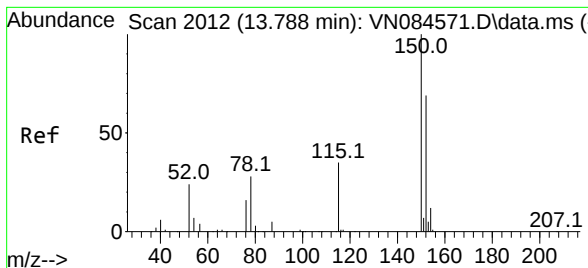
Tgt Ion: 95 Resp: 134831
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.2
176 71.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 117 Resp: 270682
Ion Ratio Lower Upper
117 100
82 56.1 47.2 70.8
119 31.4 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: VN084635.D

Acq: 01 Nov 2024 13:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-190-TB-20241029

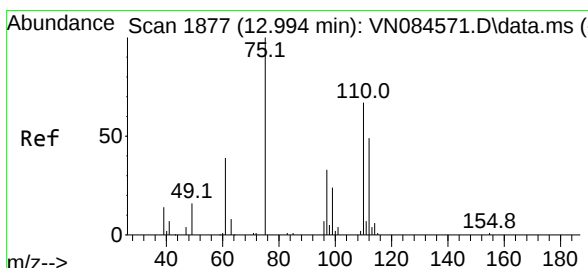
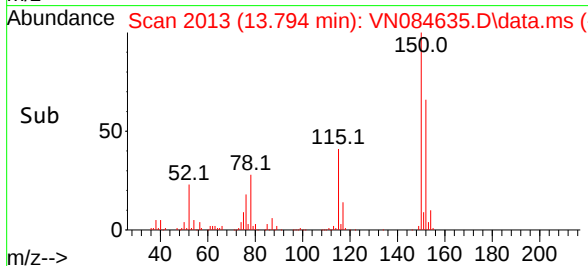
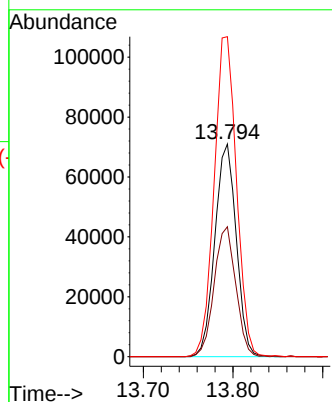
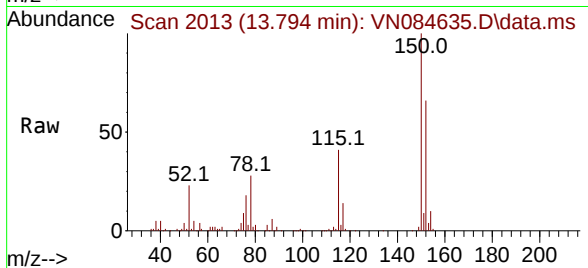
Tgt Ion:152 Resp: 117747

Ion Ratio Lower Upper

152 100

115 61.6 31.3 93.9

150 157.0 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.768 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084635.D

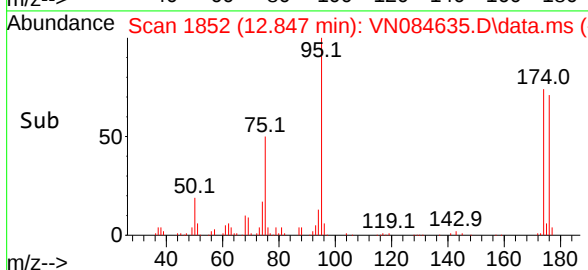
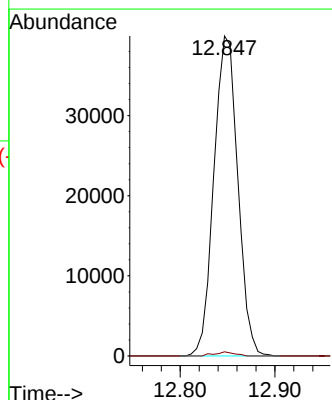
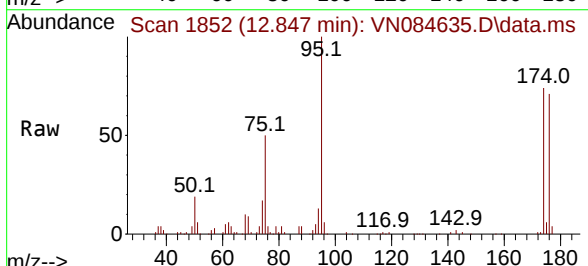
Acq: 01 Nov 2024 13:53

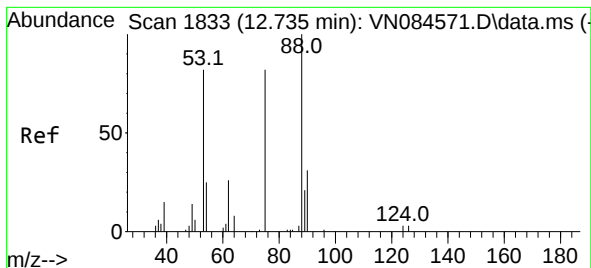
Tgt Ion: 75 Resp: 70066

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#

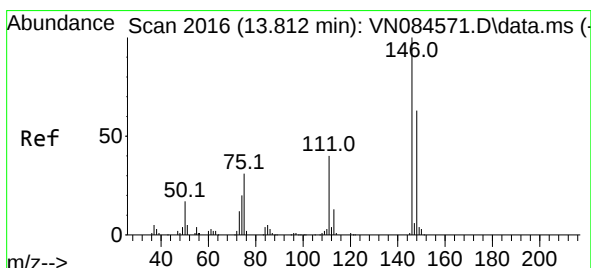
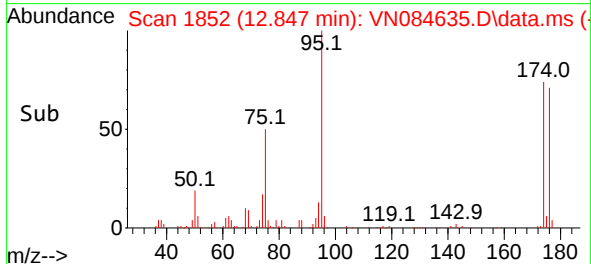
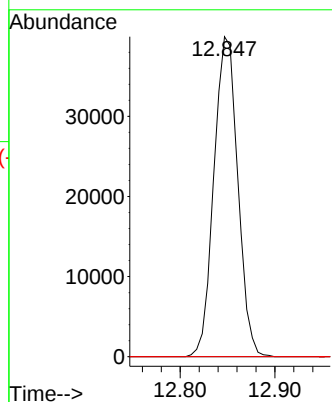
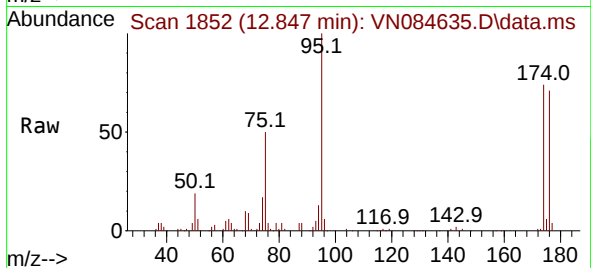




#81
trans-1,4-Dichloro-2-butene
Concen: 70.622 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

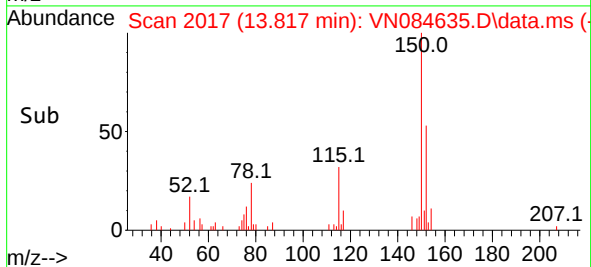
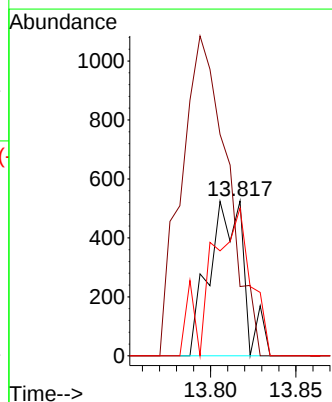
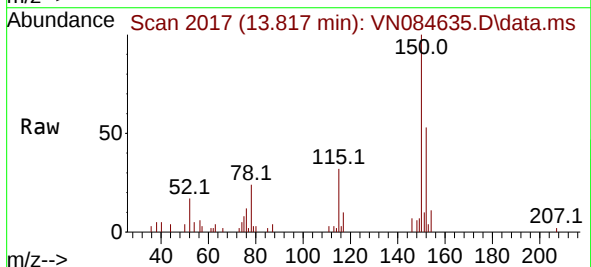
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

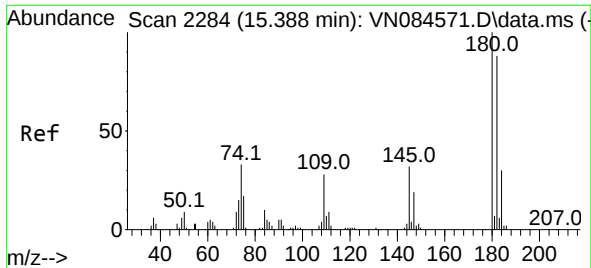
Tgt Ion: 75 Resp: 70066
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.817 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

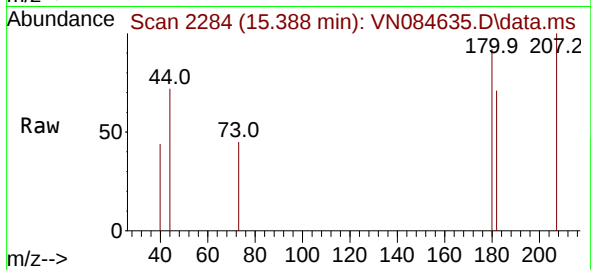
Tgt Ion:146 Resp: 749
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 110.0 31.9 95.9#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084635.D
 Acq: 01 Nov 2024 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-190-TB-20241029



Tgt Ion:180 Resp: 500
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.0 141.0
 145 13.8 16.4 49.4#

