

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084977.D
 Acq On : 20 Nov 2024 18:34
 Operator : JC\MD
 Sample : P4916-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-WC

Quant Time: Nov 21 00:45:09 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

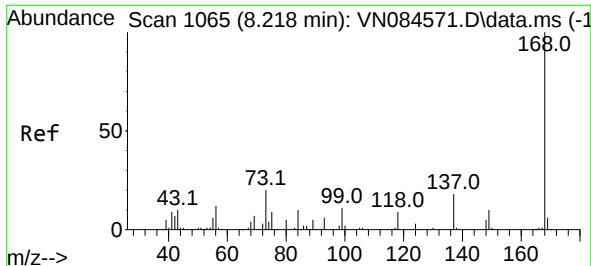
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	166206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124313	51.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.159	113	98461	46.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.860%			
50) Toluene-d8	10.565	98	362001	46.837	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.680%			
62) 4-Bromofluorobenzene	12.847	95	138588	47.979	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.960%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	558	Below Cal	#	41
6) Chloroethane	3.095	64	126	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	496	1.565	ug/l #	73
13) Acrolein	4.177	56	120	0.380	ug/l #	14
16) Acetone	4.430	43	19299	25.267	ug/l	100
18) Methyl Acetate	5.036	43	6093	Below Cal	#	51
20) Methylene Chloride	5.253	84	1234	0.584	ug/l #	61
25) 2-Butanone	7.500	43	2793	2.494	ug/l #	77
29) Tetrahydrofuran	7.841	42	361	0.486	ug/l #	46
31) Cyclohexane	8.218	56	3654	1.103	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14175	4.871	ug/l #	51
37) Ethyl Acetate	7.559	43	2693	1.020	ug/l #	79
38) Carbon Tetrachloride	8.224	117	18450	5.673	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	793	0.262	ug/l #	75
43) Isopropyl Acetate	8.688	43	373168	77.032	ug/l #	66
45) 1,2-Dichloropropane	9.735	63	1128	0.515	ug/l #	44
48) Methyl methacrylate	9.665	41	2483	1.208	ug/l #	13
51) 4-Methyl-2-Pentanone	10.453	43	7603	3.021	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	29345	8.215	ug/l #	63
56) Ethyl methacrylate	10.982	69	1018	0.342	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4488	1.270	ug/l #	42
59) 2-Hexanone	11.200	43	48009	26.207	ug/l #	56
74) N-amyl acetate	12.482	43	773	0.215	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73318	30.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73318	72.246	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	178	Below Cal	#	1

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

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QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

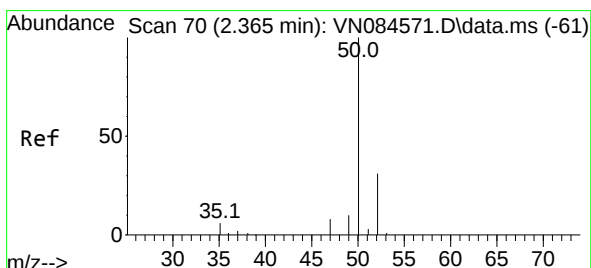
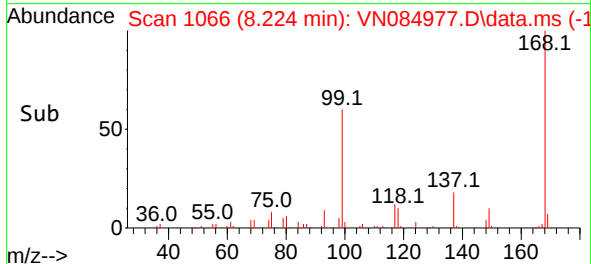
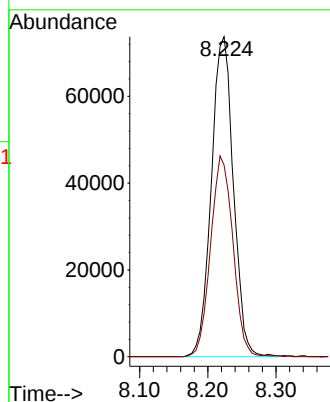
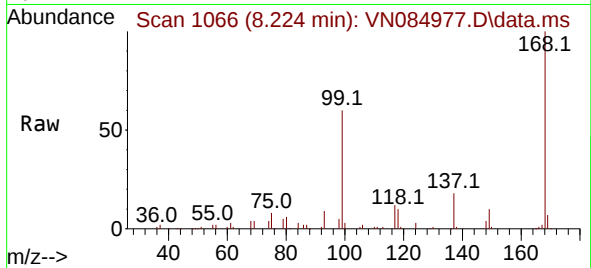




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

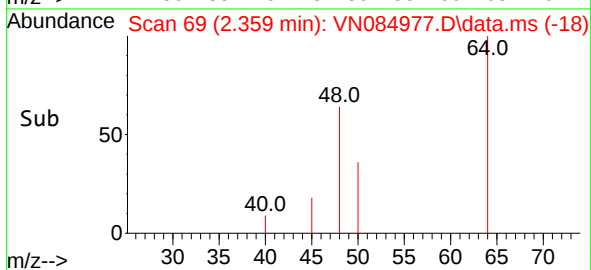
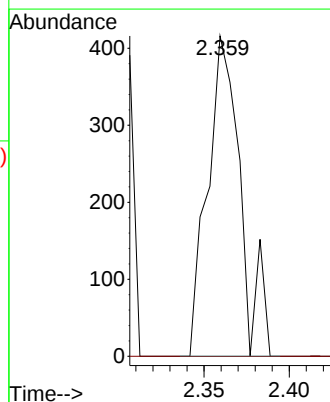
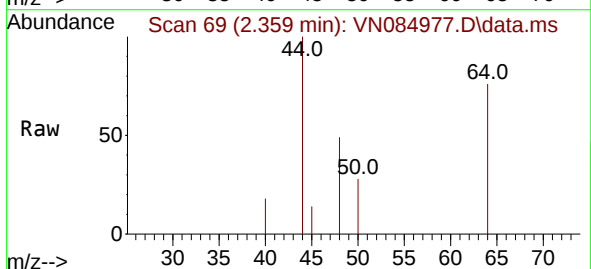
Instrument :
MSVOA_N
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TP-3-WC

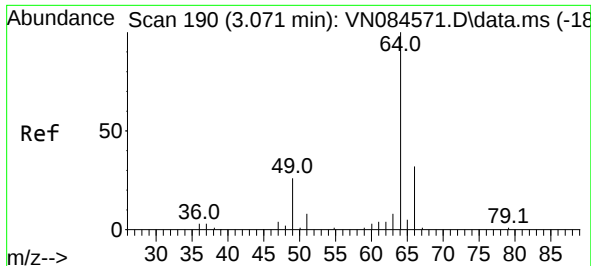
Tgt Ion:168 Resp: 166206
Ion Ratio Lower Upper
168 100
99 59.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

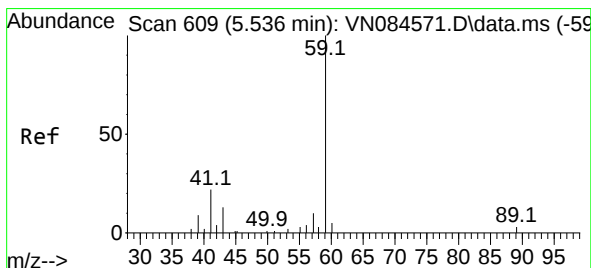
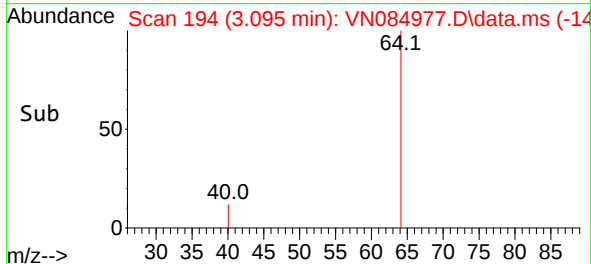
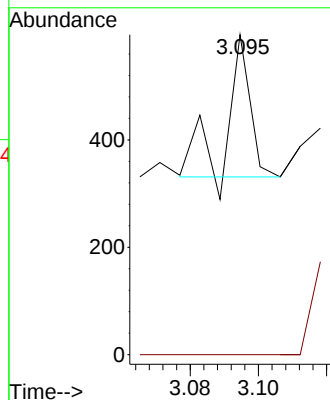
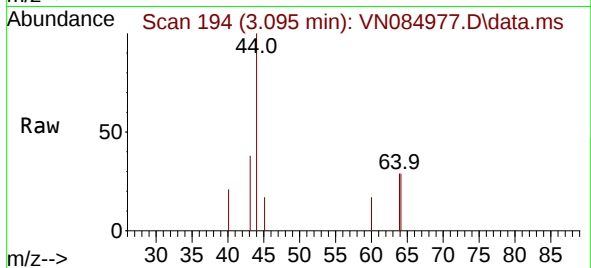




#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

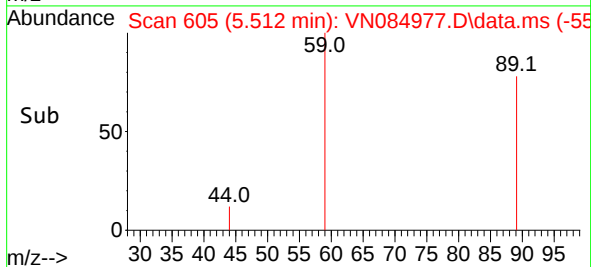
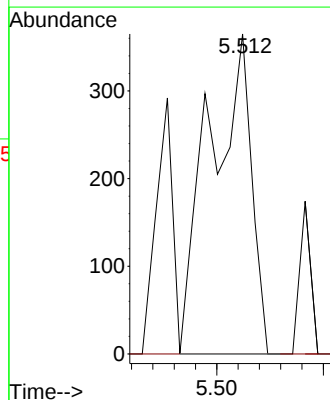
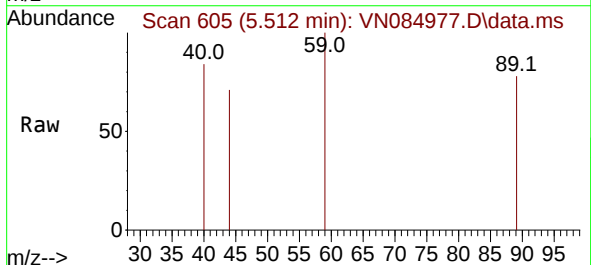
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

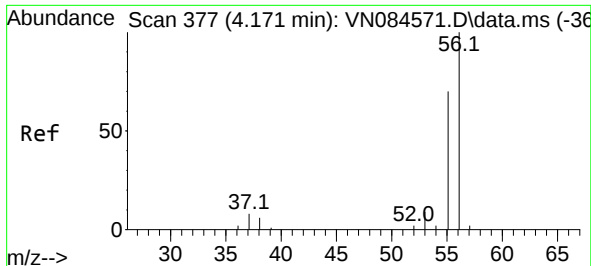
Tgt Ion: 64 Resp: 126
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.565 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

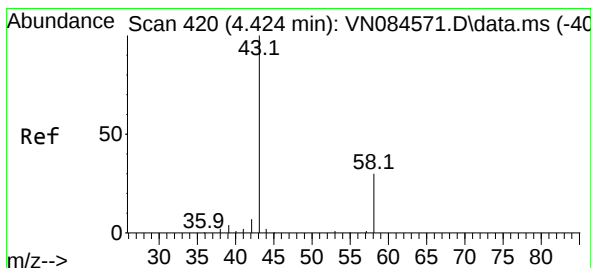
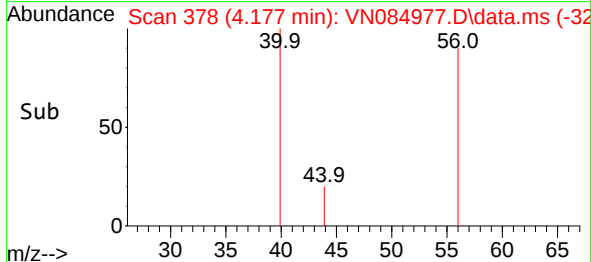
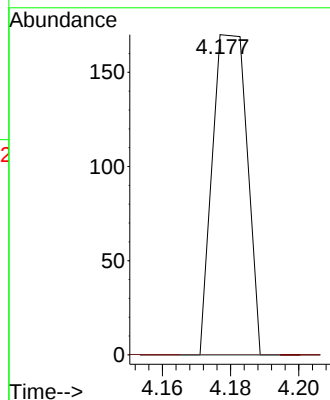
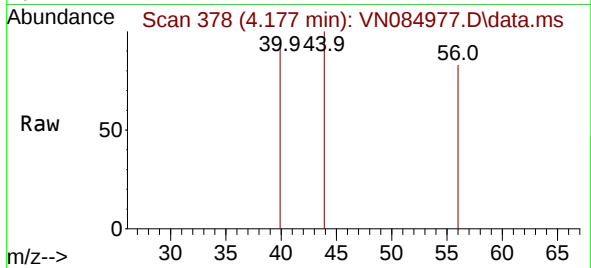




#13
Acrolein
Concen: 0.380 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

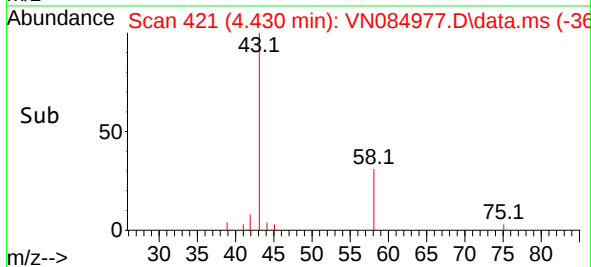
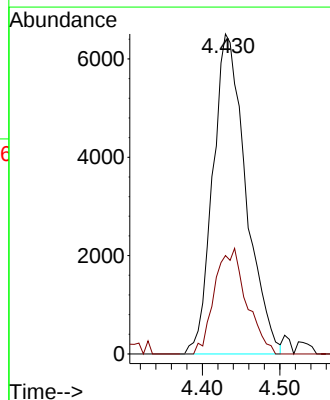
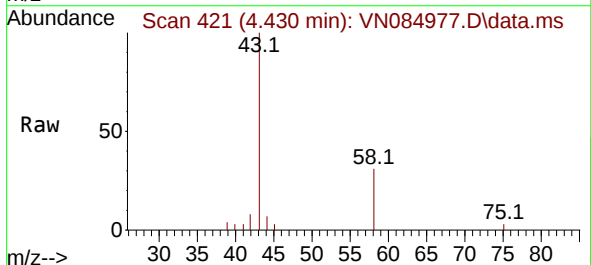
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

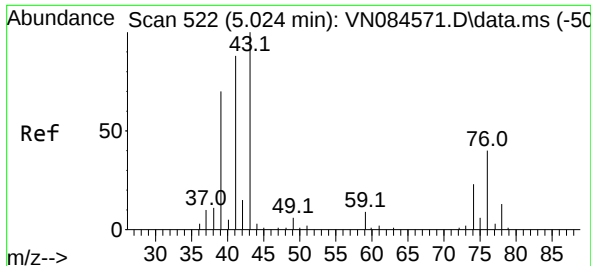
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 25.267 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 43 Resp: 19299
Ion Ratio Lower Upper
43 100
58 30.8 24.4 36.6

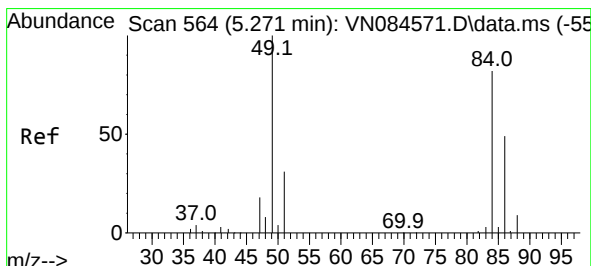
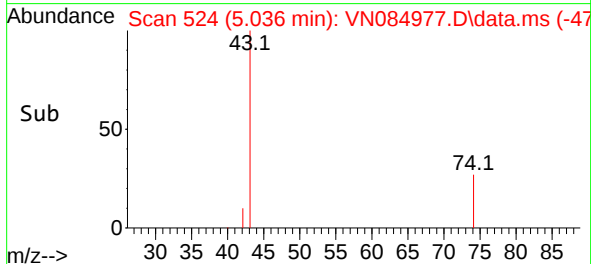
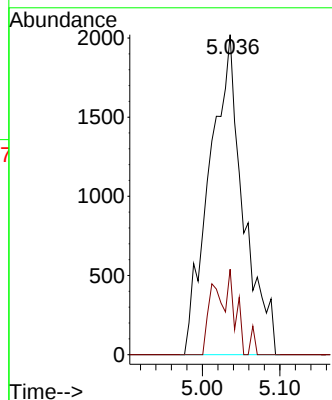
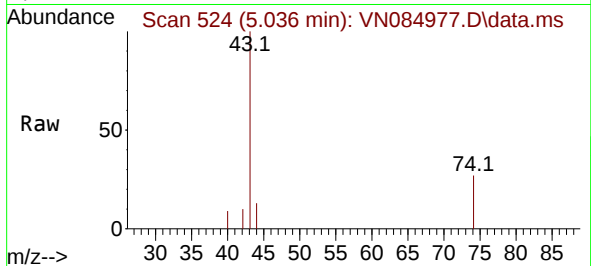




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

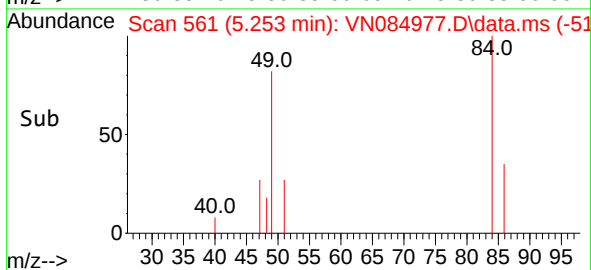
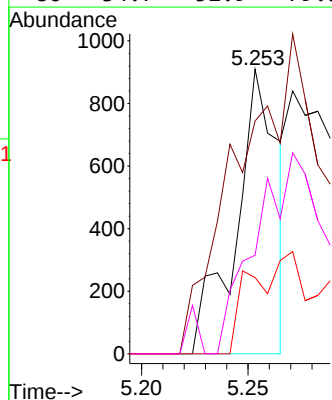
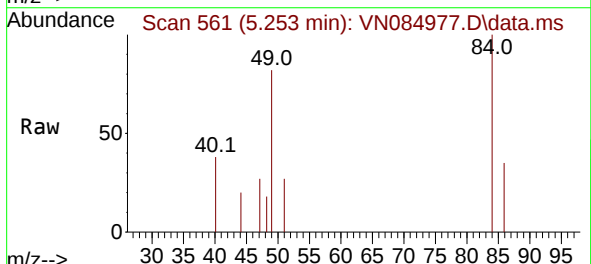
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

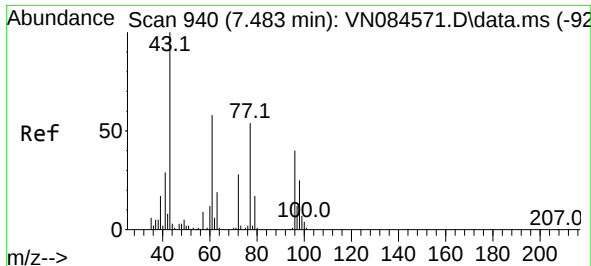
Tgt Ion: 43 Resp: 6093
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.584 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.024 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 84 Resp: 1234
Ion Ratio Lower Upper
84 100
49 81.8 107.2 160.8#
51 26.8 31.8 47.8#
86 34.7 52.9 79.3#

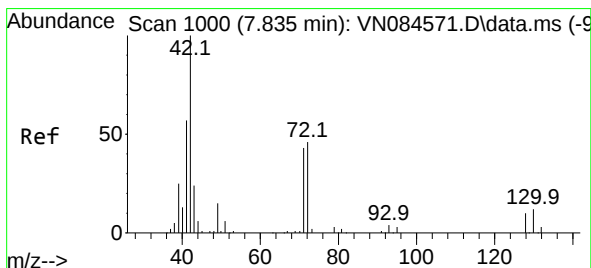
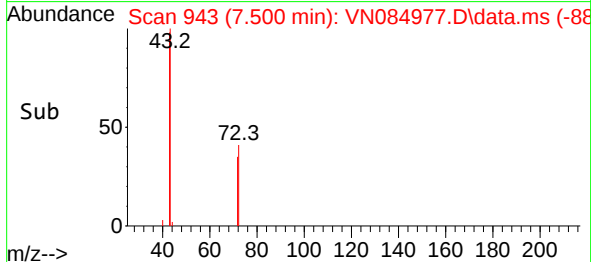
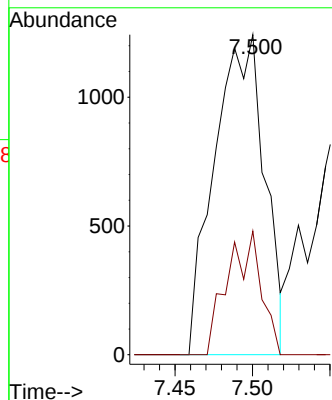
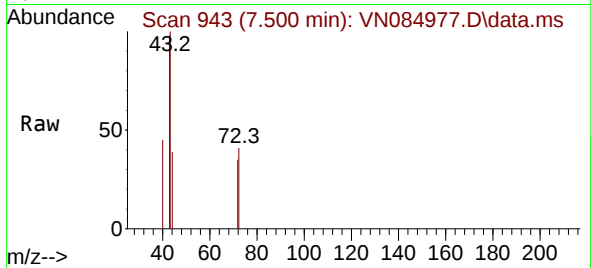




#25
2-Butanone
Concen: 2.494 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

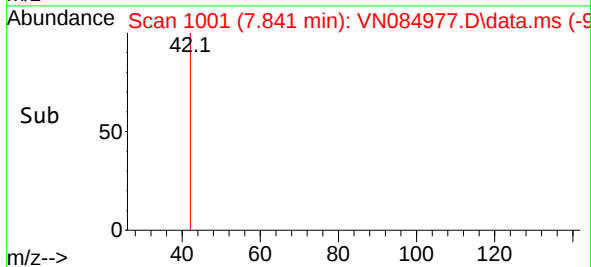
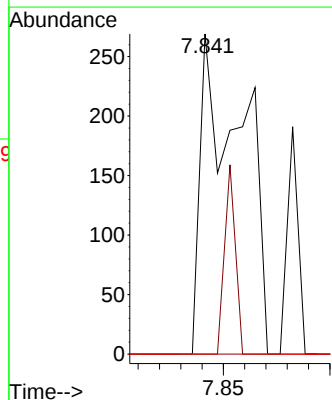
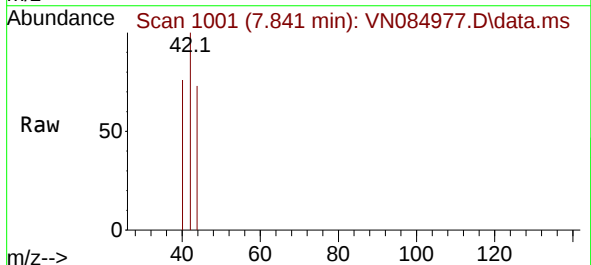
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

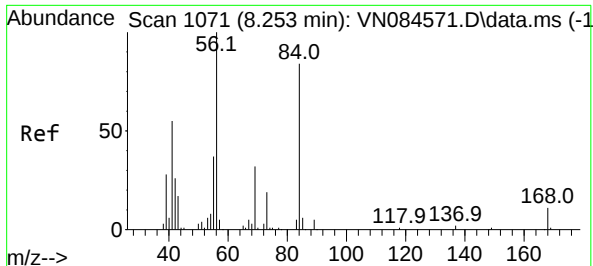
Tgt Ion: 43 Resp: 2793
Ion Ratio Lower Upper
43 100
72 38.6 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

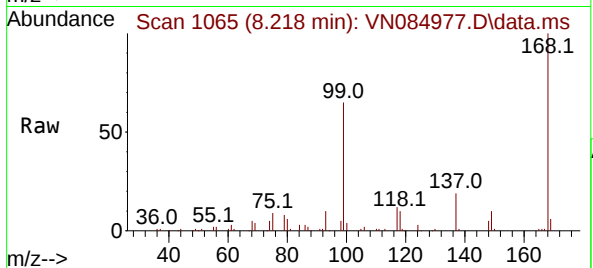
Tgt Ion: 42 Resp: 361
Ion Ratio Lower Upper
42 100
72 15.5 34.6 51.8#
71 0.0 32.2 48.4#



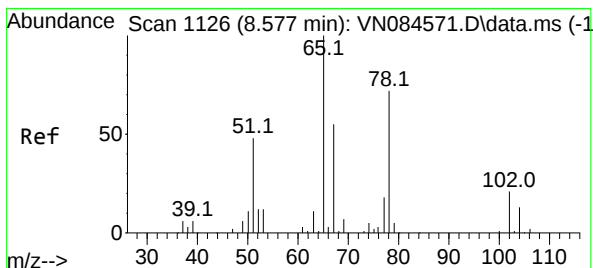
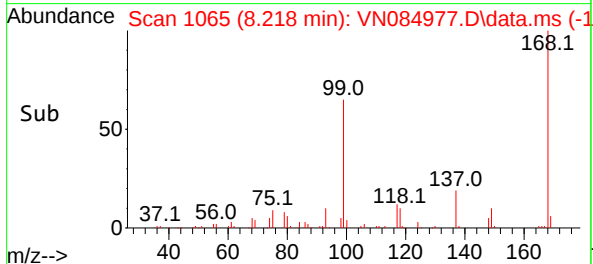
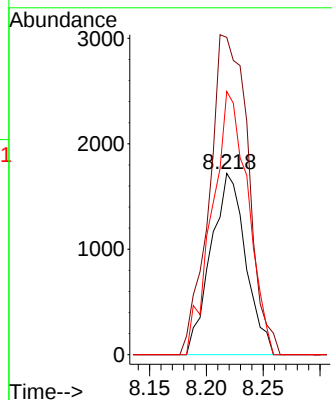


#31
Cyclohexane
Concen: 1.103 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Instrument :
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ClientSampleId :
TP-3-WC

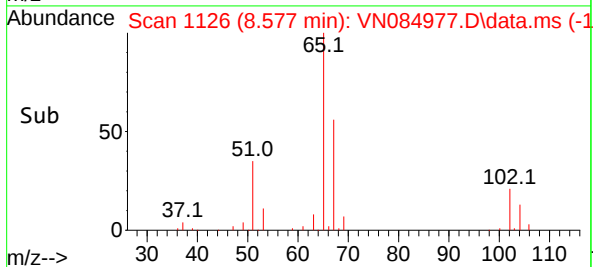
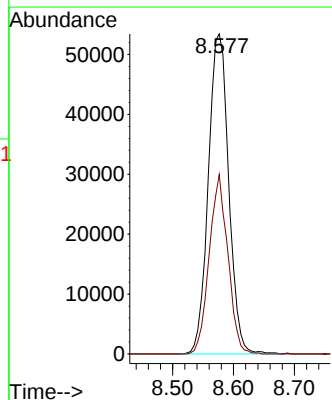
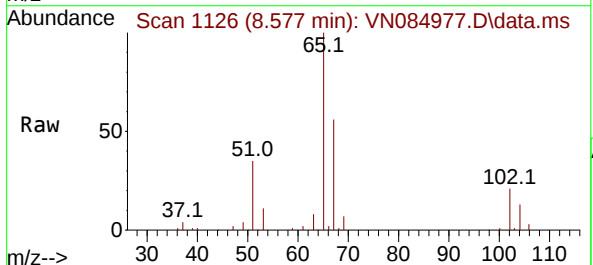


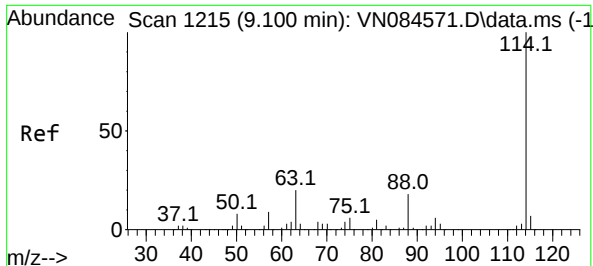
Tgt Ion: 56 Resp: 3654
Ion Ratio Lower Upper
56 100
69 175.1 23.8 35.6#
84 145.3 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.785 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 65 Resp: 124313
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0

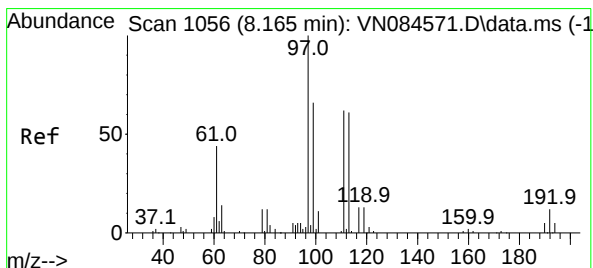
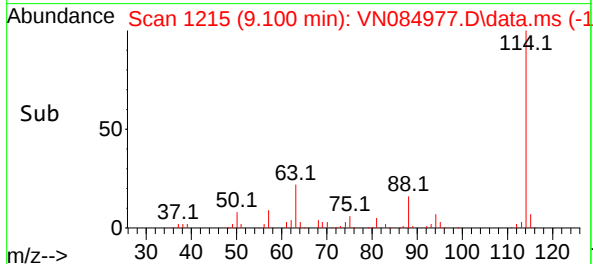
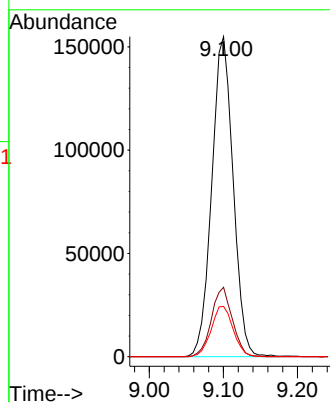
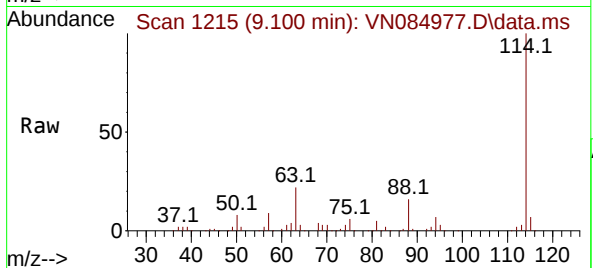




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

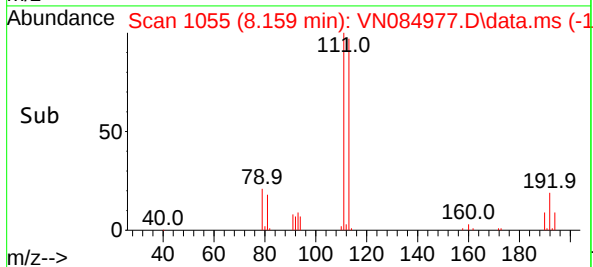
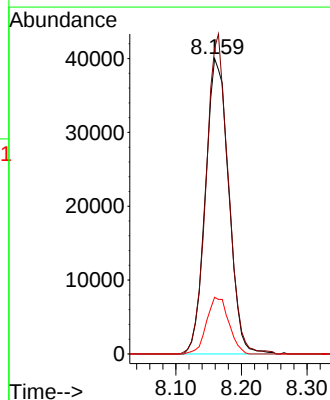
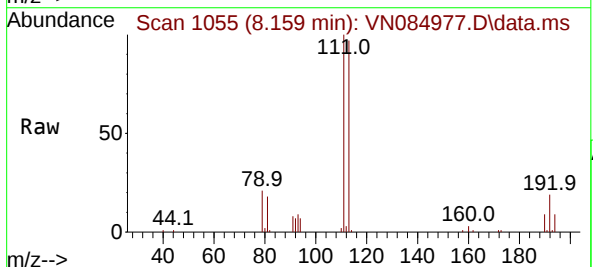
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

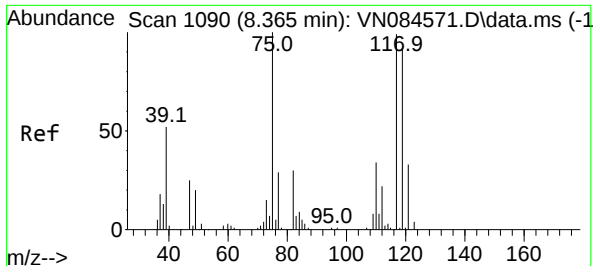
Tgt Ion:114 Resp: 309973
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.8
88 15.7 0.0 31.6



#35
Dibromofluoromethane
Concen: 46.928 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion:113 Resp: 98461
Ion Ratio Lower Upper
113 100
111 103.2 83.3 124.9
192 18.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084977.D

Acq: 20 Nov 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

TP-3-WC

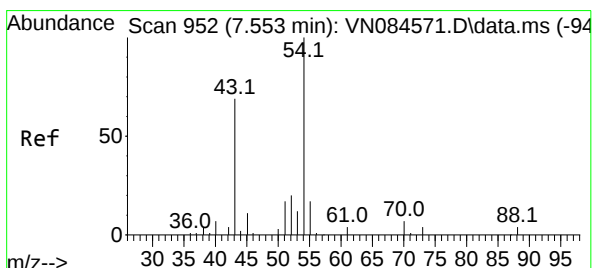
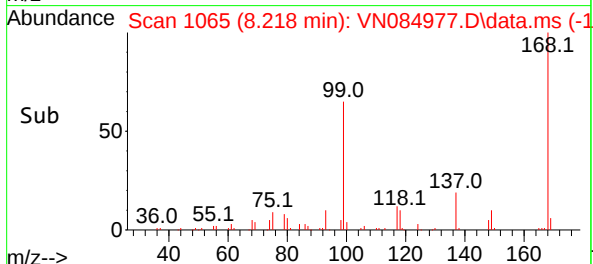
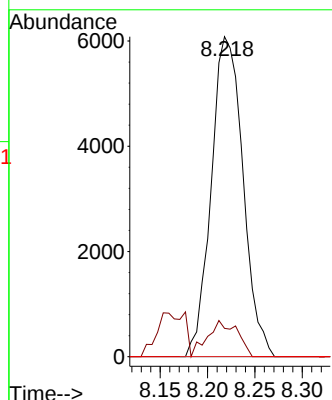
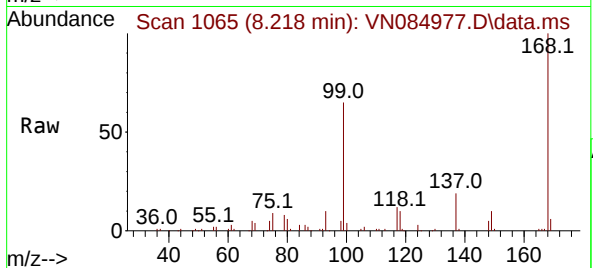
Tgt Ion: 75 Resp: 14175

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.020 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN084977.D

Acq: 20 Nov 2024 18:34

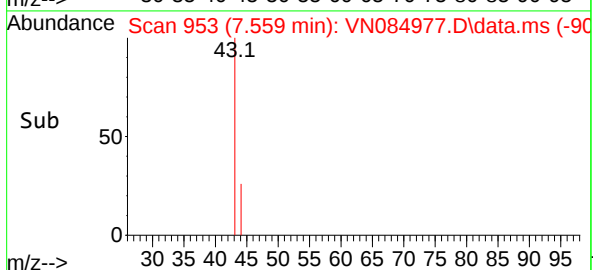
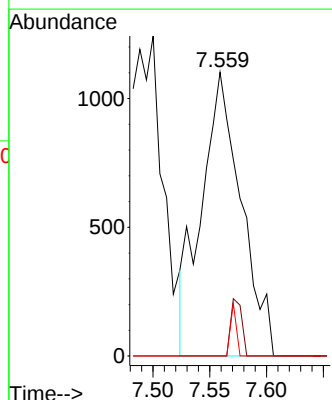
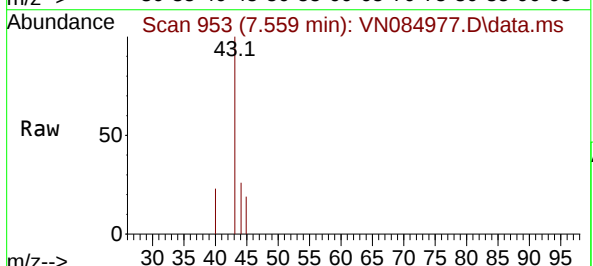
Tgt Ion: 43 Resp: 2693

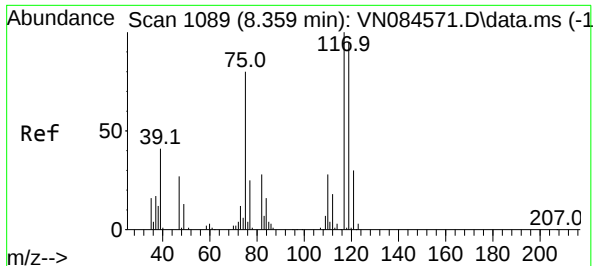
Ion Ratio Lower Upper

43 100

61 5.5 10.7 16.1#

70 2.7 8.8 13.2#

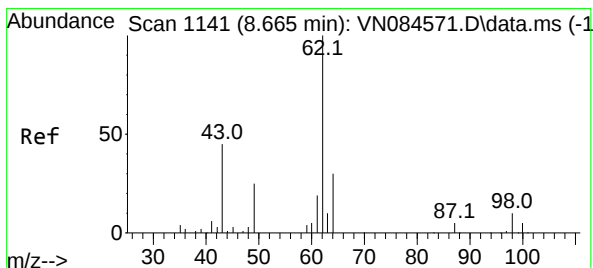
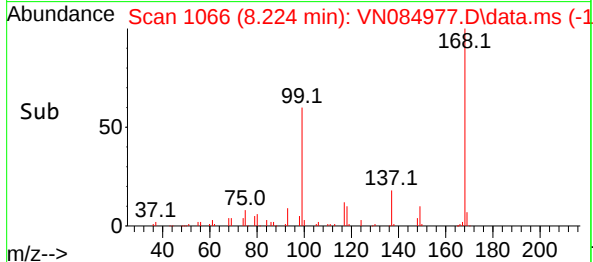
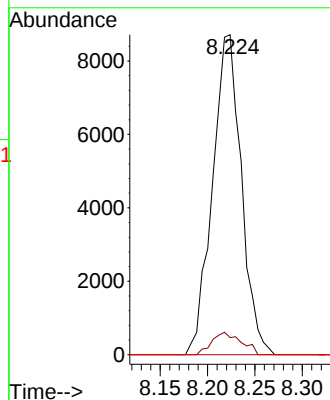
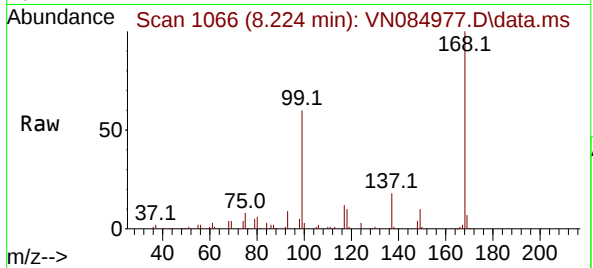




#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

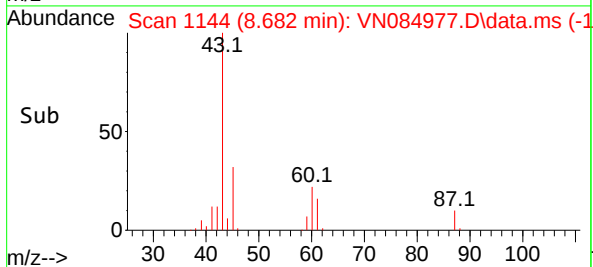
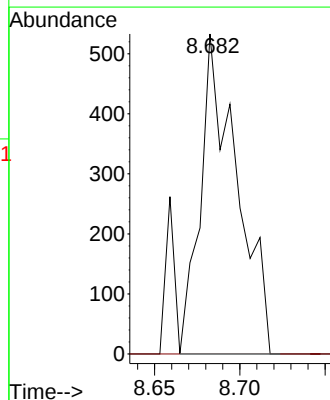
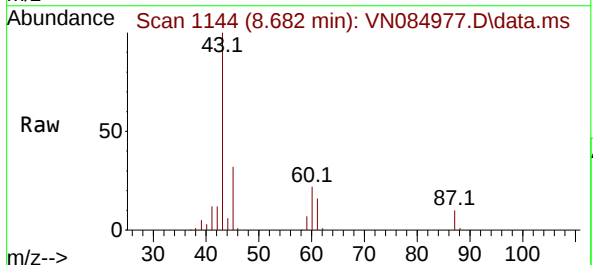
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

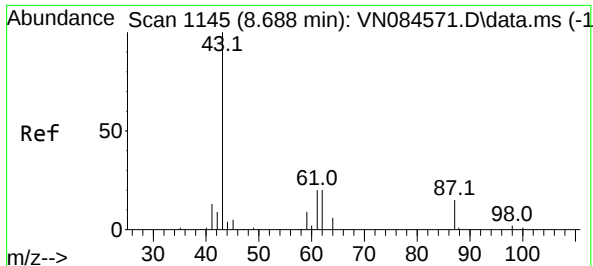
Tgt Ion:117 Resp: 18450
Ion Ratio Lower Upper
117 100
119 5.4 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.262 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 62 Resp: 793
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

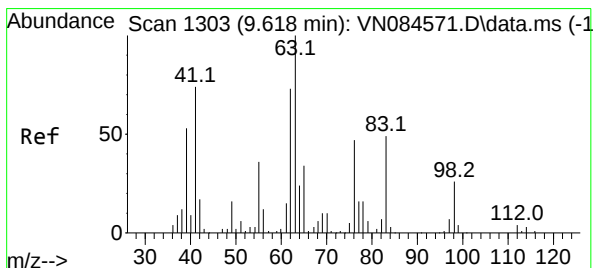
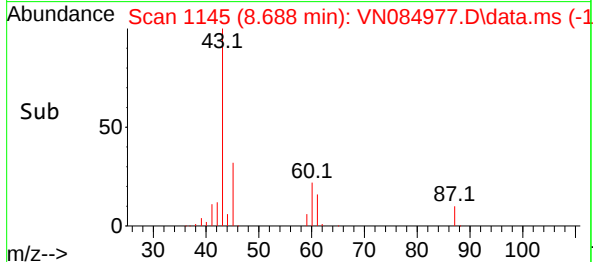
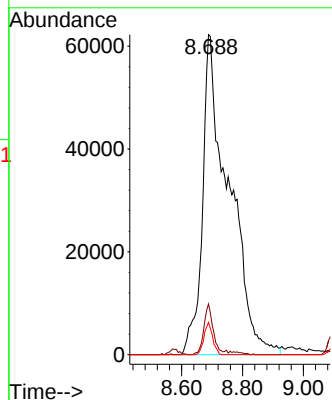
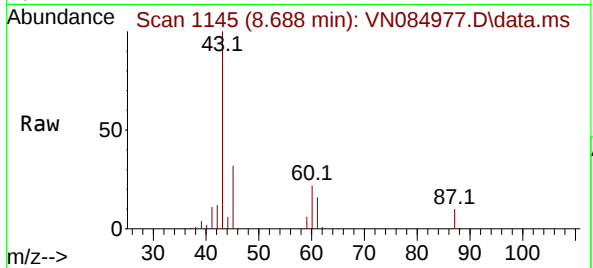




#43
Isopropyl Acetate
Concen: 77.032 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

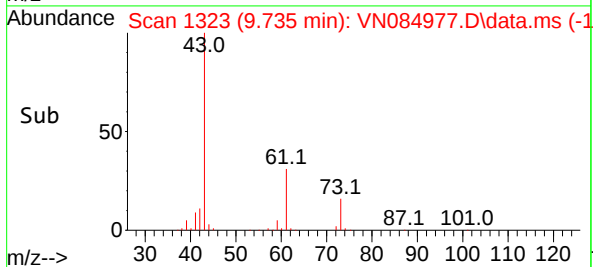
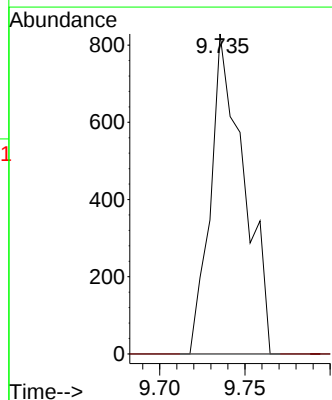
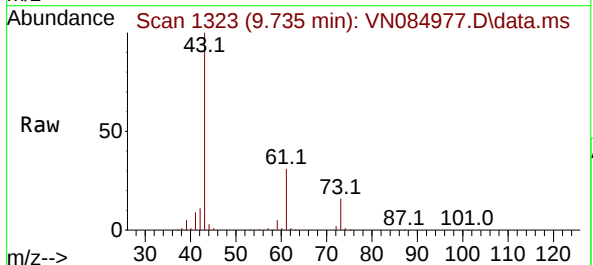
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

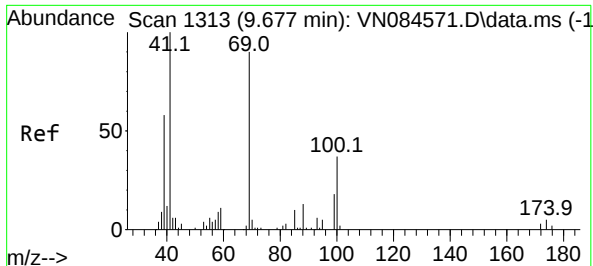
Tgt Ion: 43 Resp: 373168
Ion Ratio Lower Upper
43 100
61 5.6 20.4 30.6#
87 3.3 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.515 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 63 Resp: 1128
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.208 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084977.D

Acq: 20 Nov 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

TP-3-WC

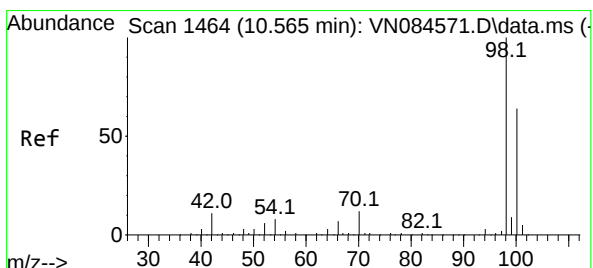
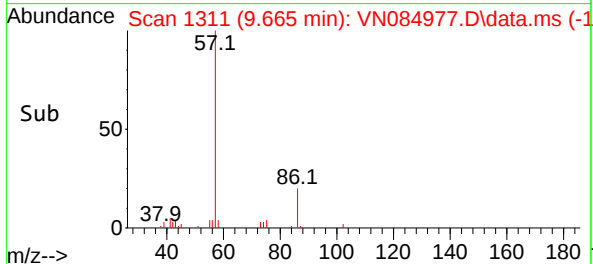
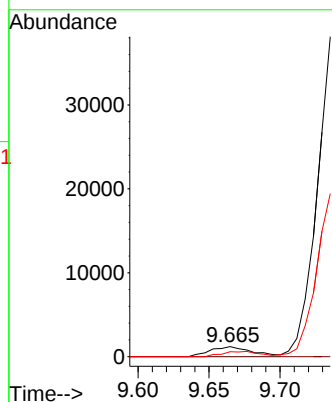
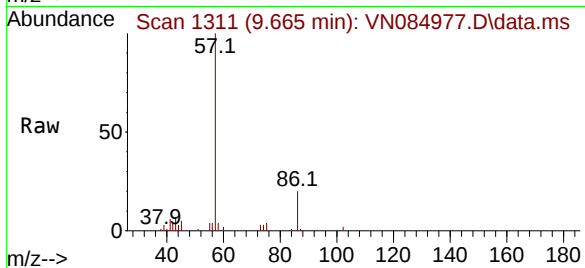
Tgt Ion: 41 Resp: 2483

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 46.837 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084977.D

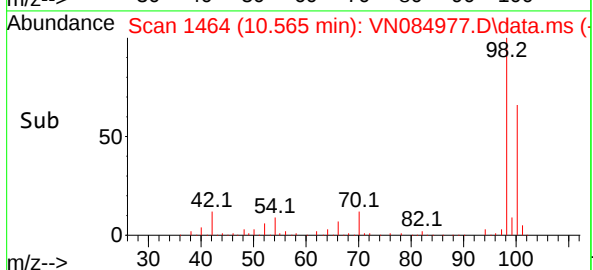
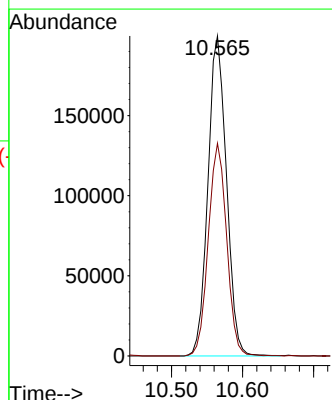
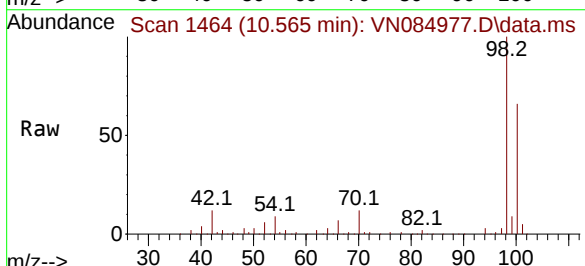
Acq: 20 Nov 2024 18:34

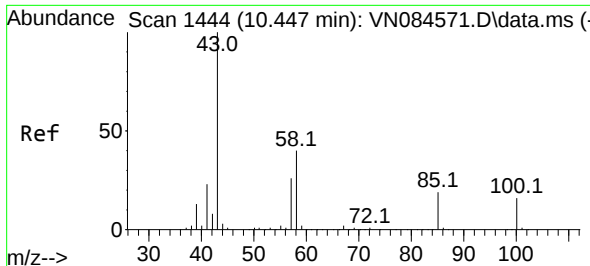
Tgt Ion: 98 Resp: 362001

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 3.021 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.012 min

Lab File: VN084977.D

Acq: 20 Nov 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

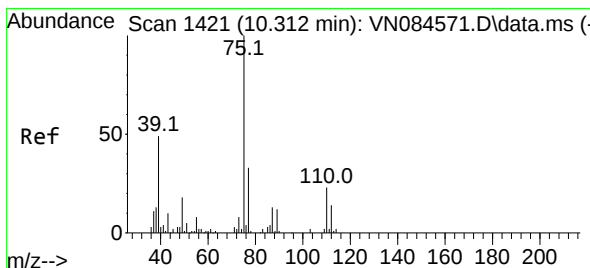
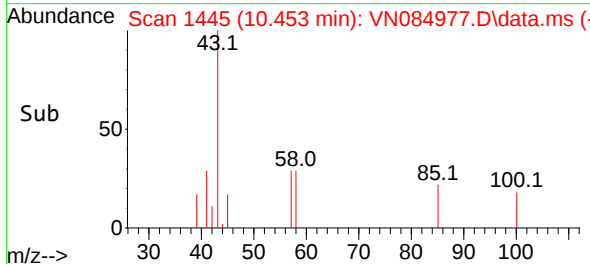
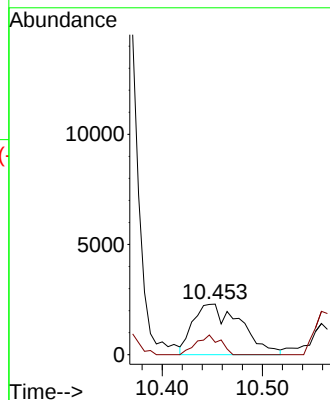
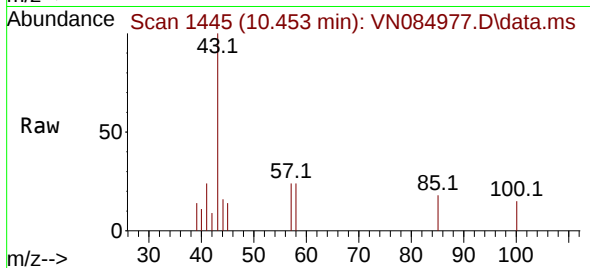
TP-3-WC

Tgt Ion: 43 Resp: 7603

Ion Ratio Lower Upper

43 100

58 19.4 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 8.215 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084977.D

Acq: 20 Nov 2024 18:34

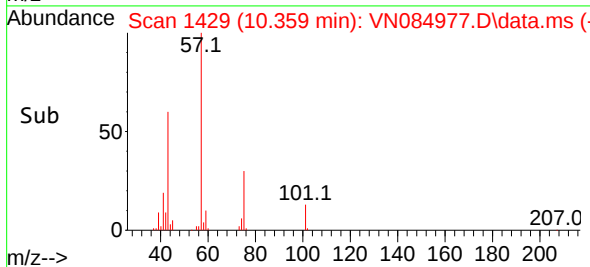
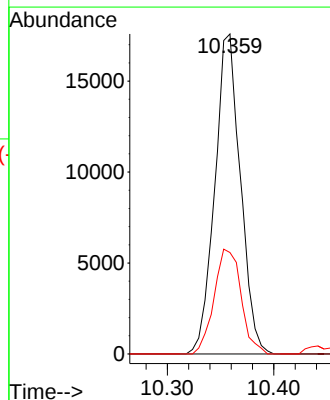
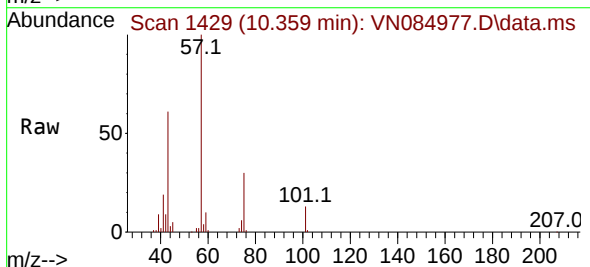
Tgt Ion: 75 Resp: 29345

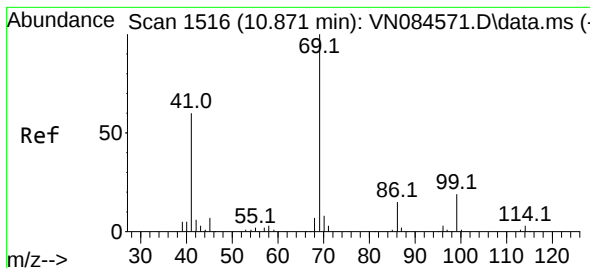
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 31.7 38.7 58.1#





#56

Ethyl methacrylate

Concen: 0.342 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. 0.112 min

Lab File: VN084977.D

Acq: 20 Nov 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

TP-3-WC

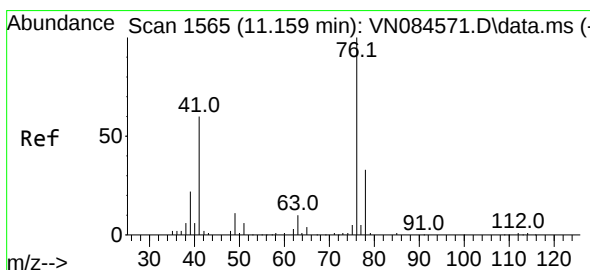
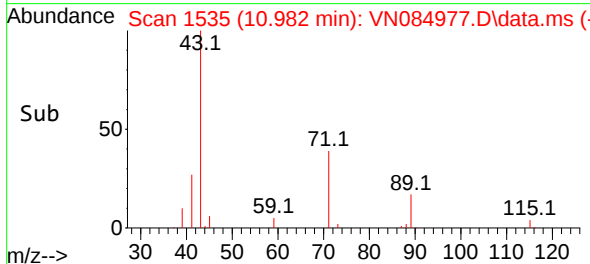
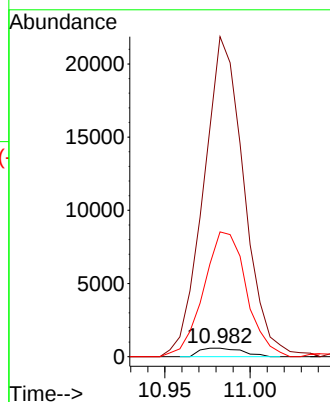
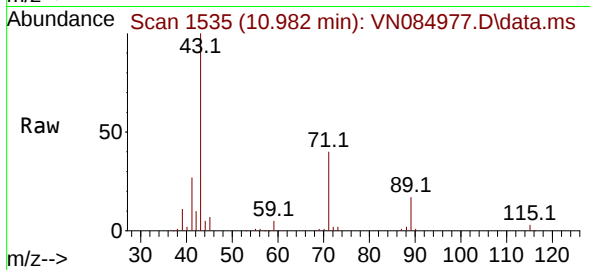
Tgt Ion: 69 Resp: 1018

Ion Ratio Lower Upper

69 100

41 3549.0 53.3 79.9#

39 1465.9 28.8 43.2#



#57

1,3-Dichloropropane

Concen: 1.270 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084977.D

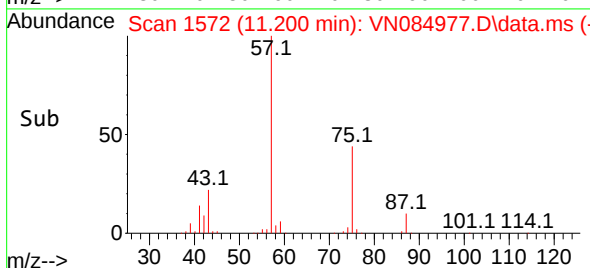
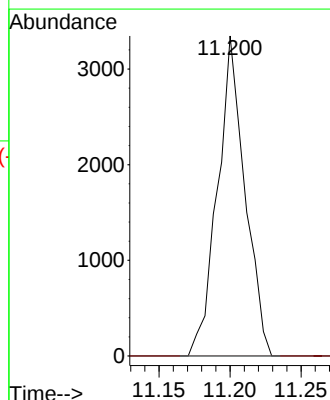
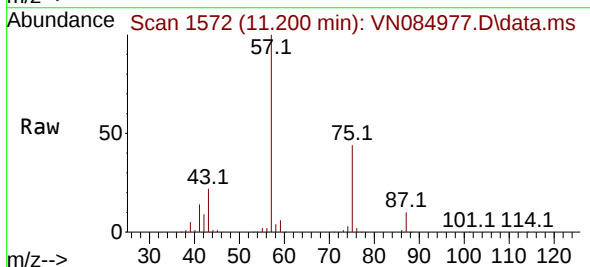
Acq: 20 Nov 2024 18:34

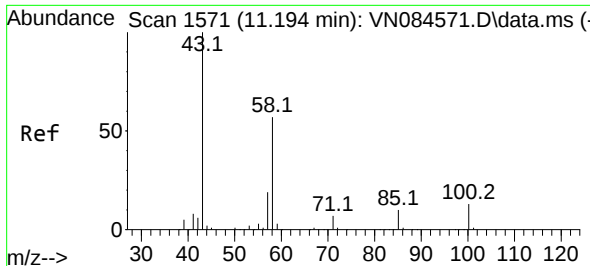
Tgt Ion: 76 Resp: 4488

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

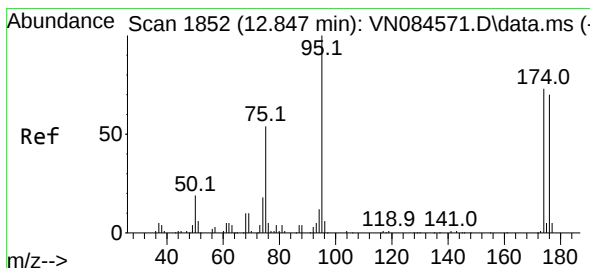
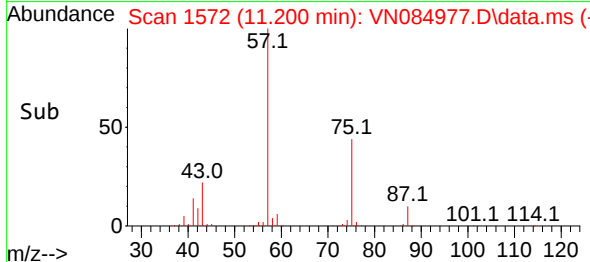
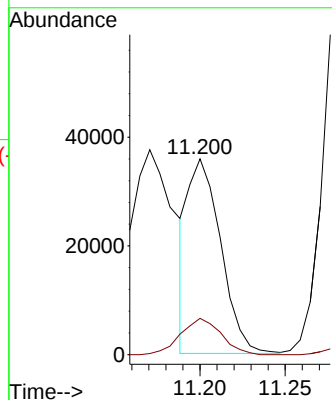
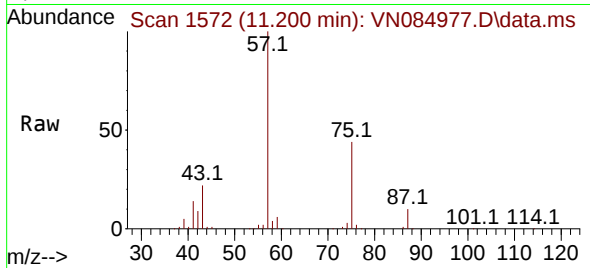




#59
2-Hexanone
Concen: 26.207 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

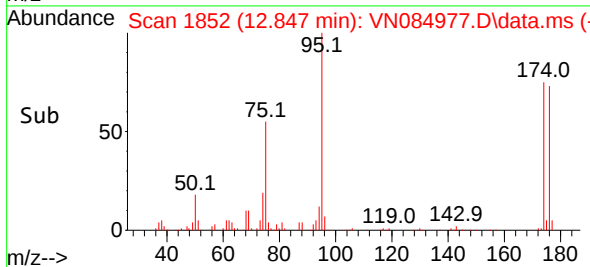
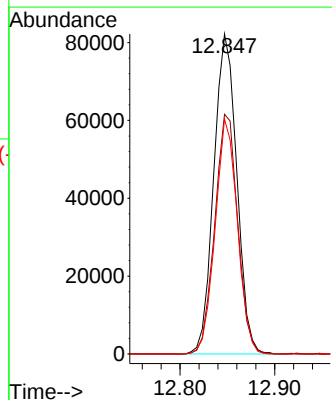
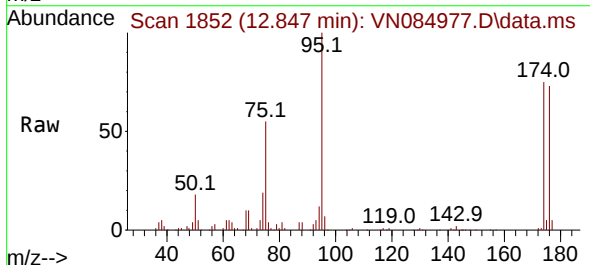
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

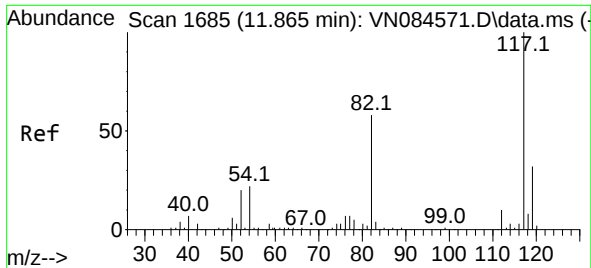
Tgt Ion: 43 Resp: 48009
Ion Ratio Lower Upper
43 100
58 23.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.979 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 95 Resp: 138588
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.2
176 71.0 0.0 140.0

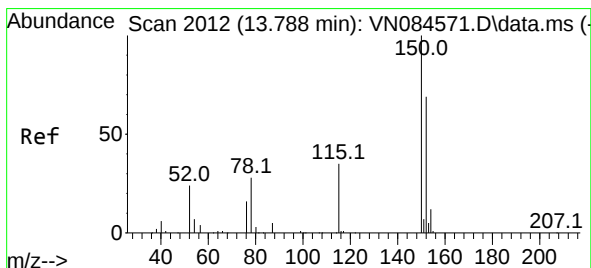
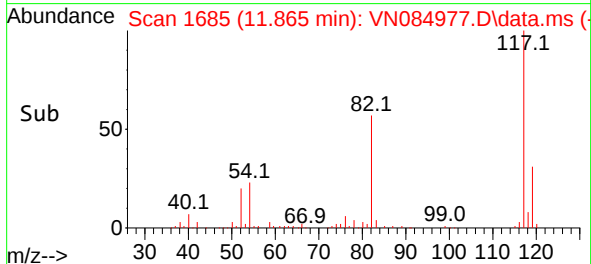
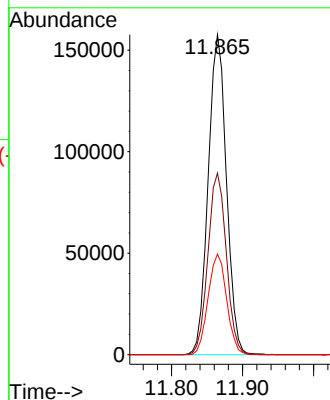
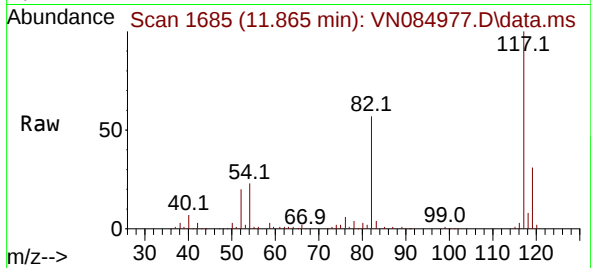




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

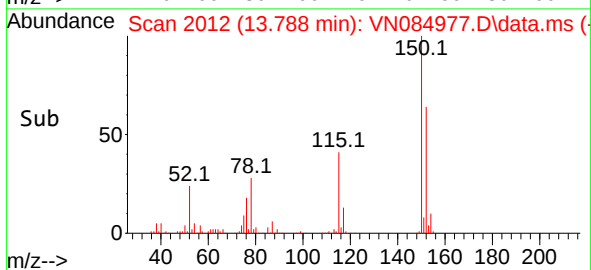
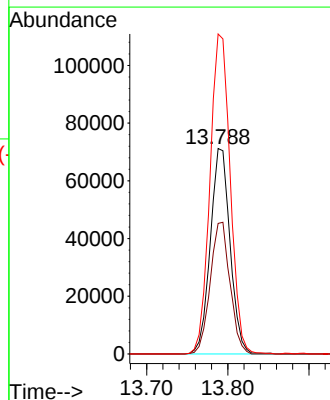
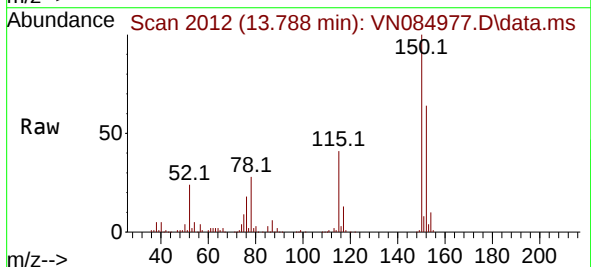
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

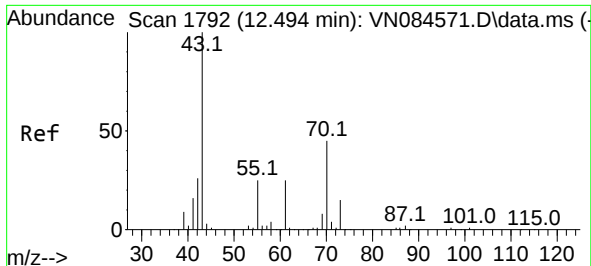
Tgt Ion:117 Resp: 281178
Ion Ratio Lower Upper
117 100
82 56.8 47.2 70.8
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion:152 Resp: 120443
Ion Ratio Lower Upper
152 100
115 63.9 31.3 93.9
150 159.5 0.0 349.8

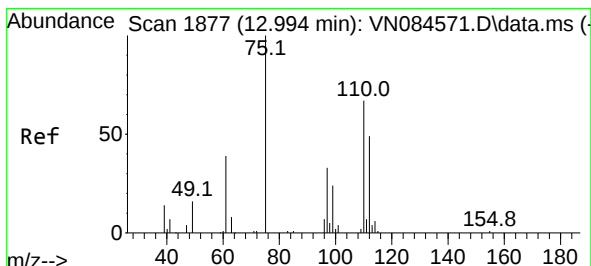
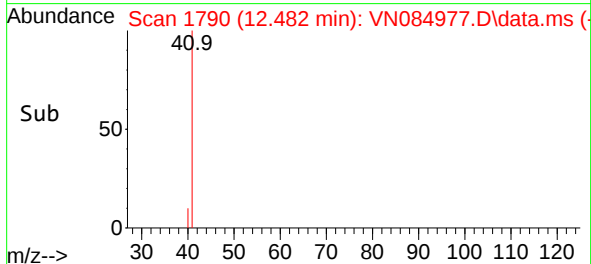
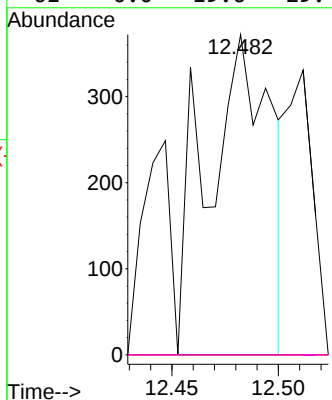
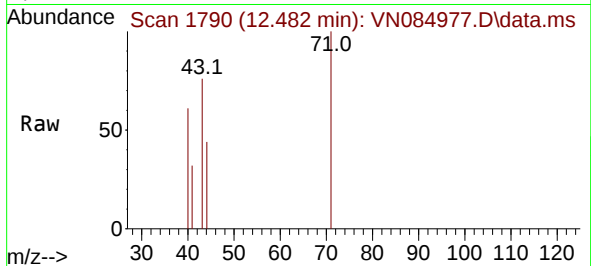




#74
N-amy1 acetate
Concen: 0.215 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

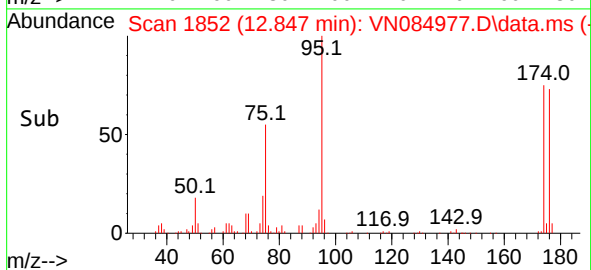
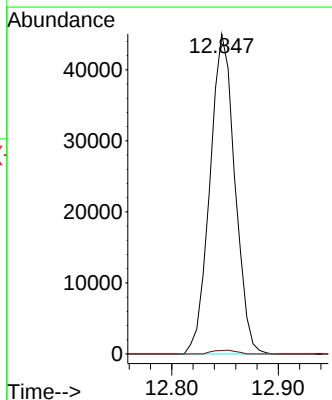
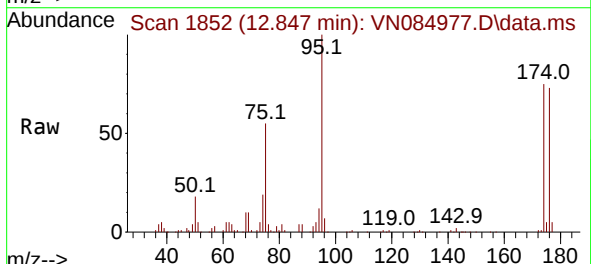
Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

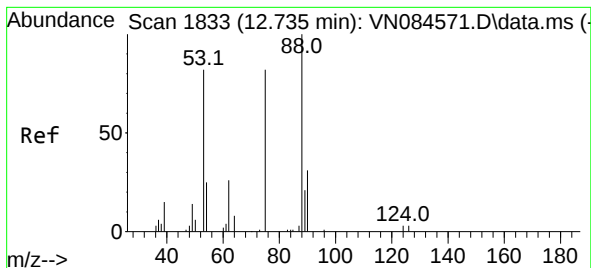
Tgt Ion: 43	Resp: 773
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 0.0	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 30.453 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion: 75	Resp: 73318
Ion Ratio	Lower Upper
75 100	
77 1.1	96.9 290.7#

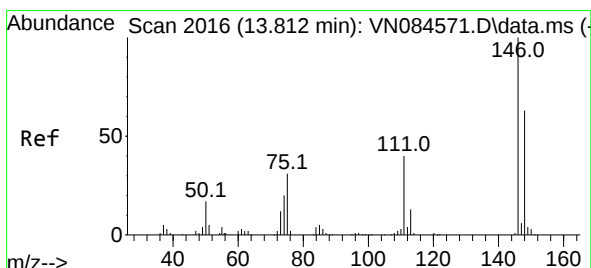
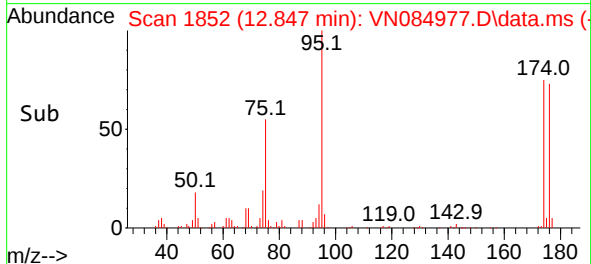
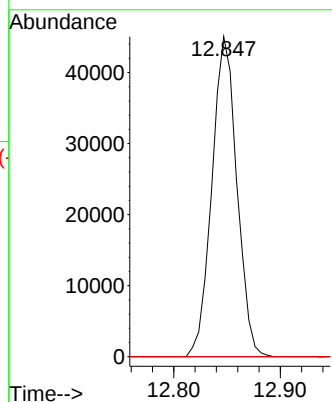
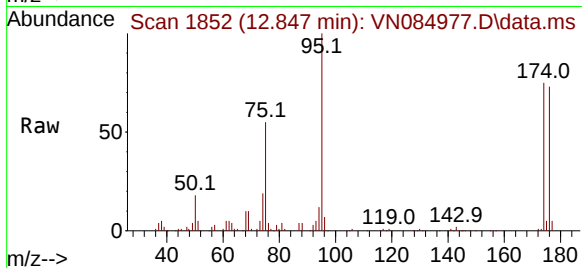




#81
trans-1,4-Dichloro-2-butene
Concen: 72.246 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084977.D
Acq: 20 Nov 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :
TP-3-WC

Tgt Ion: 75 Resp: 73318
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: VN084977.D
Acq: 20 Nov 2024 18:34

Tgt Ion:146 Resp: 178
Ion Ratio Lower Upper
146 100
111 1036.0 21.2 63.6#
148 298.3 31.9 95.9#

