

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
 Data File : VN084549.D
 Acq On : 28 Oct 2024 19:05
 Operator : JC\MD
 Sample : P4567-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Quant Time: Oct 29 01:33:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

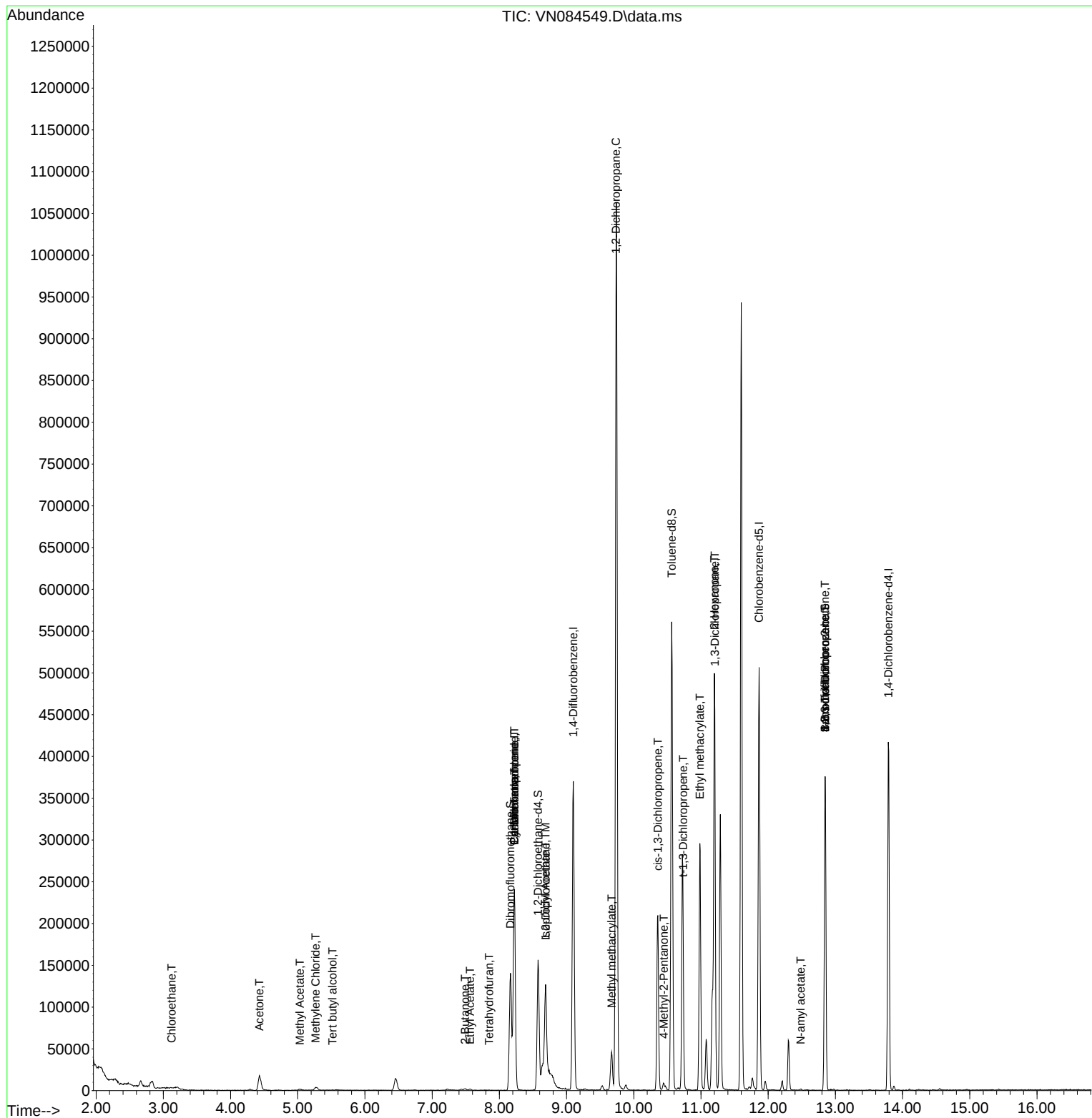
Internal Standards						
1) Pentafluorobenzene	8.224	168	169617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124611	49.549	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.100%		
35) Dibromofluoromethane	8.165	113	103692	50.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.840%		
50) Toluene-d8	10.565	98	384391	50.807	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.847	95	134242	48.705	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.400%		
Target Compounds					Qvalue	
6) Chloroethane	3.124	64	648	0.408	ug/l #	45
11) Tert butyl alcohol	5.518	59	150	0.362	ug/l #	73
16) Acetone	4.430	43	34735	32.152	ug/l	96
18) Methyl Acetate	5.030	43	3052	1.296	ug/l #	82
20) Methylene Chloride	5.265	84	3152	1.435	ug/l #	74
25) 2-Butanone	7.489	43	3613	2.455	ug/l	99
29) Tetrahydrofuran	7.847	42	282	0.311	ug/l #	34
31) Cyclohexane	8.224	56	3656	0.981	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14557	4.874	ug/l #	48
37) Ethyl Acetate	7.565	43	2457	0.802	ug/l #	86
38) Carbon Tetrachloride	8.224	117	18663	5.696	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	894	0.283	ug/l #	75
43) Isopropyl Acetate	8.688	43	179159	29.849	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1409	0.640	ug/l #	44
48) Methyl methacrylate	9.671	41	2978	1.246	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	9669	3.315	ug/l #	74
53) t-1,3-Dichloropropene	10.735	75	712	0.212	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	37908	10.475	ug/l #	65
56) Ethyl methacrylate	10.982	69	1510	0.451	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5253	1.445	ug/l #	42
59) 2-Hexanone	11.200	43	60551	27.772	ug/l #	56
71) Bromoform	12.847	173	660	0.414	ug/l #	1
74) N-amyl acetate	12.482	43	1178	0.297	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68259	29.089	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68259	69.738	ug/l #	11

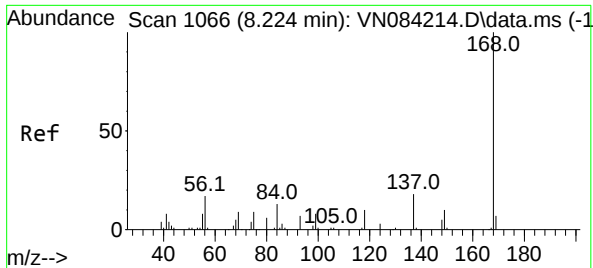
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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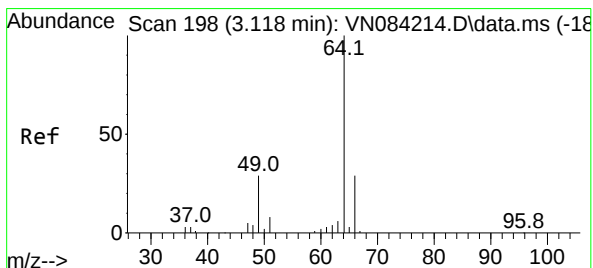
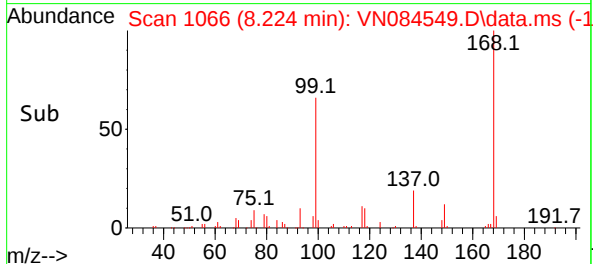
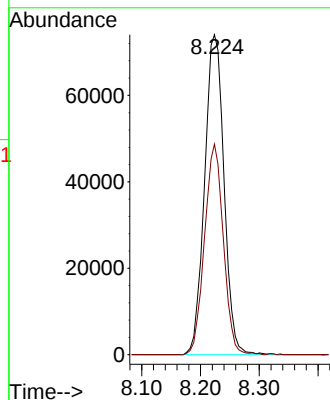
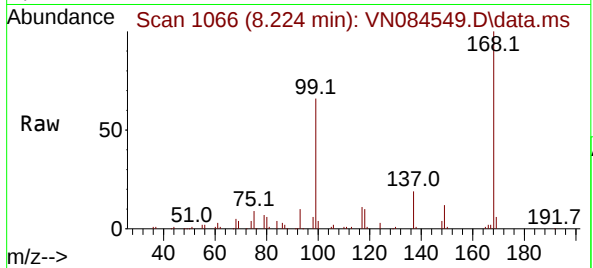




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

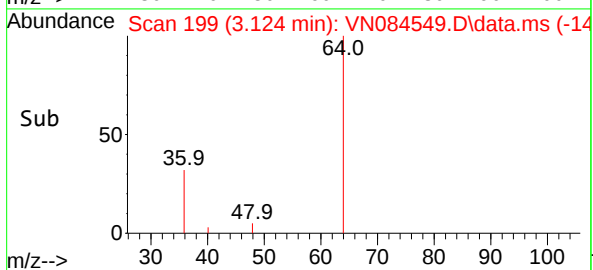
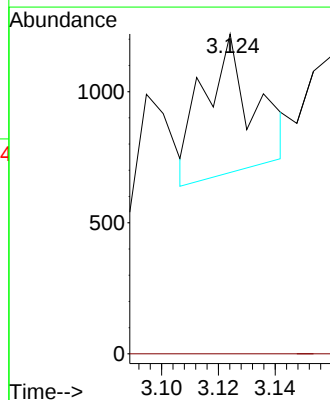
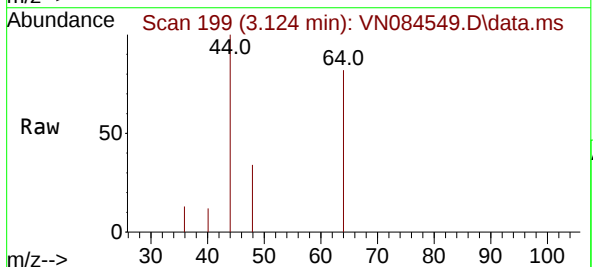
Instrument :
MSVOA_N
ClientSampleId :
WC-2

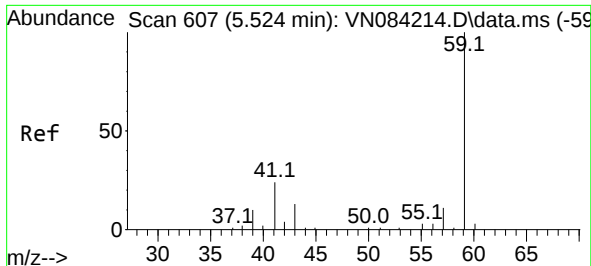
Tgt Ion:168 Resp: 169617
Ion Ratio Lower Upper
168 100
99 65.8 54.2 81.2



#6
Chloroethane
Concen: 0.408 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 64 Resp: 648
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

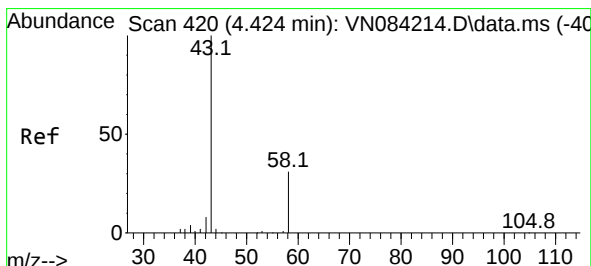
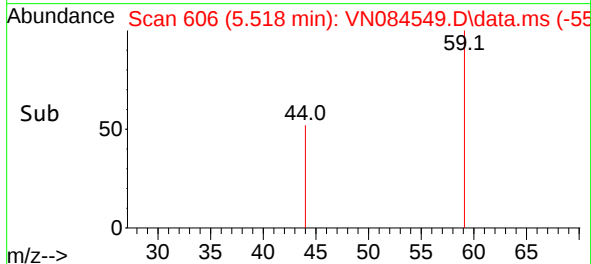
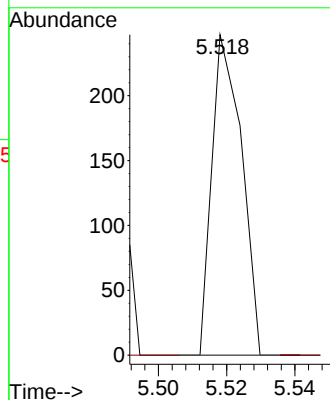
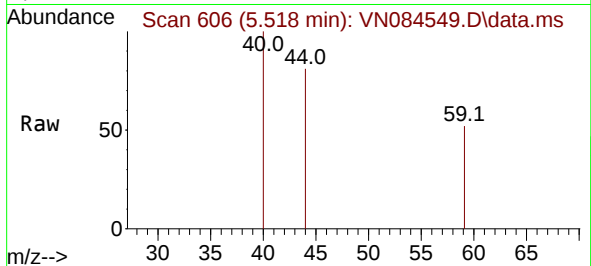




#11
Tert butyl alcohol
Concen: 0.362 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

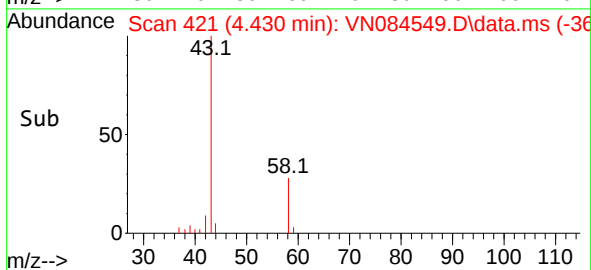
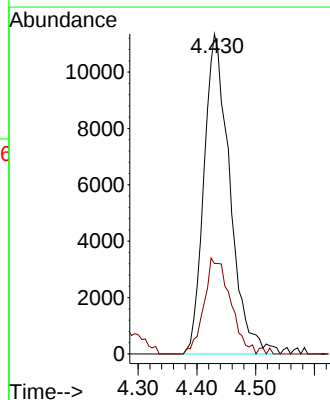
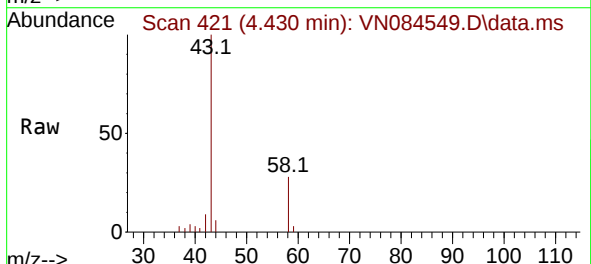
Instrument :
MSVOA_N
ClientSampleId :
WC-2

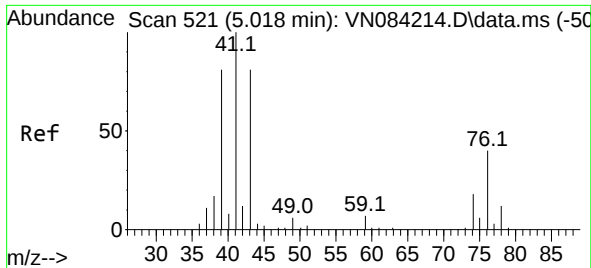
Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 32.152 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 43 Resp: 34735
Ion Ratio Lower Upper
43 100
58 28.3 24.4 36.6

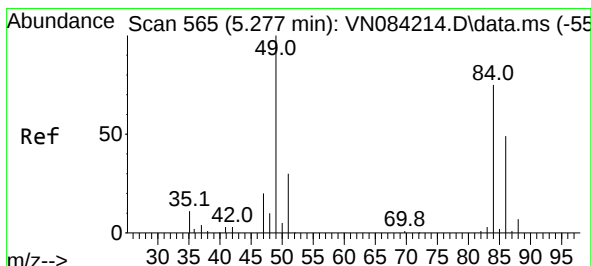
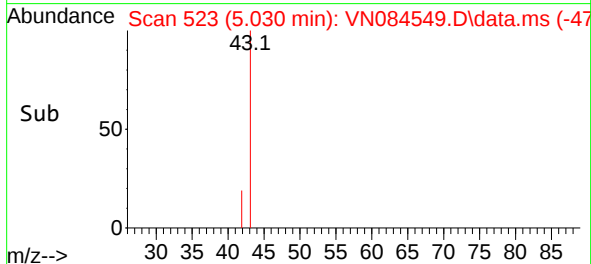
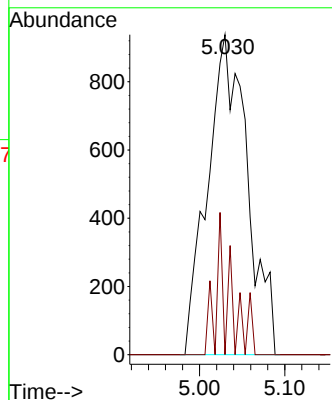
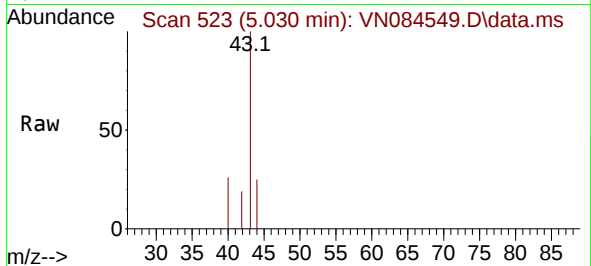




#18
Methyl Acetate
Concen: 1.296 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

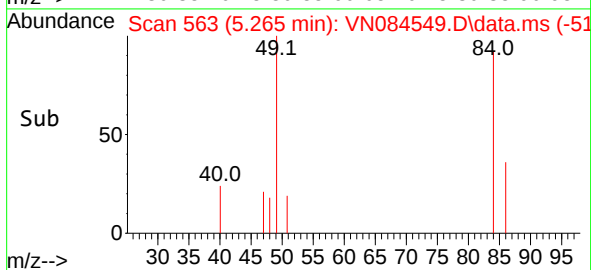
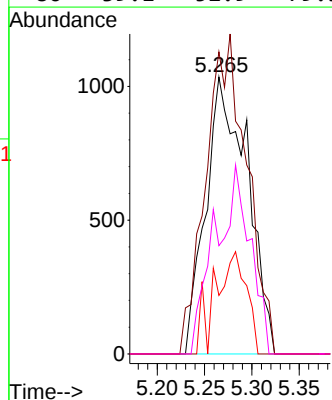
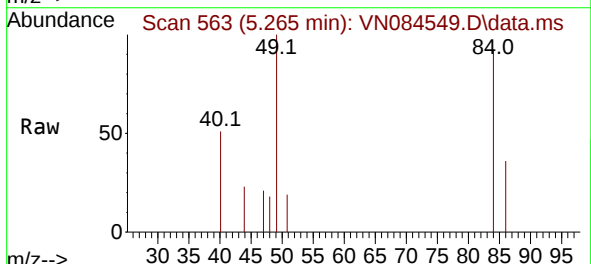
Instrument :
MSVOA_N
ClientSampleId :
WC-2

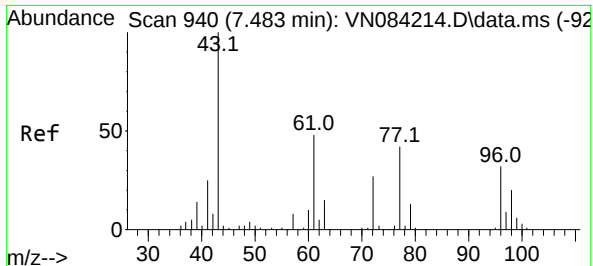
Tgt Ion: 43 Resp: 3052
Ion Ratio Lower Upper
43 100
74 15.2 19.2 28.8#



#20
Methylene Chloride
Concen: 1.435 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 84 Resp: 3152
Ion Ratio Lower Upper
84 100
49 109.1 107.2 160.8
51 21.2 31.8 47.8#
86 39.1 52.9 79.3#

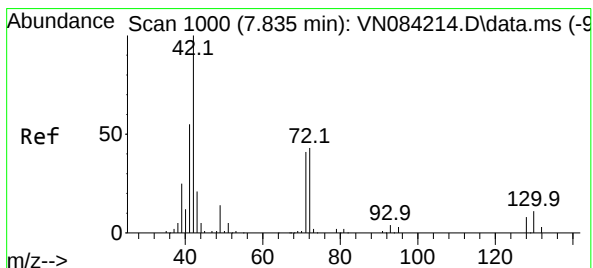
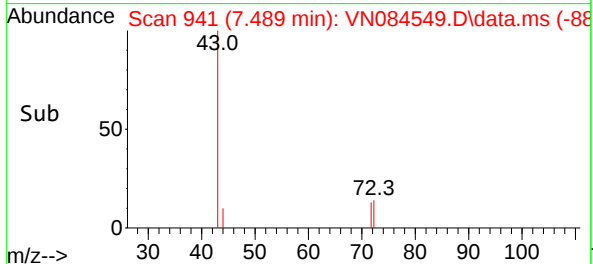
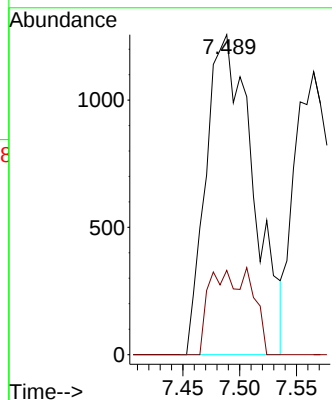
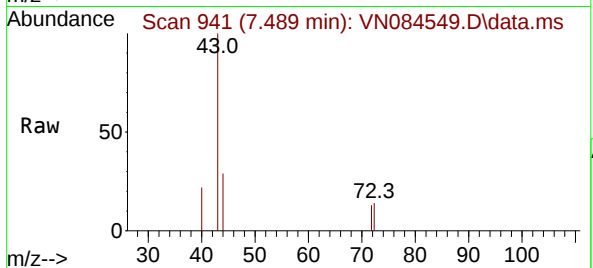




#25
2-Butanone
Concen: 2.455 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

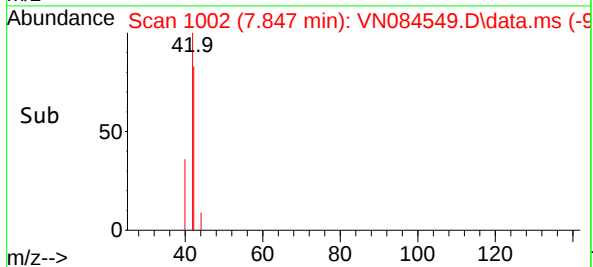
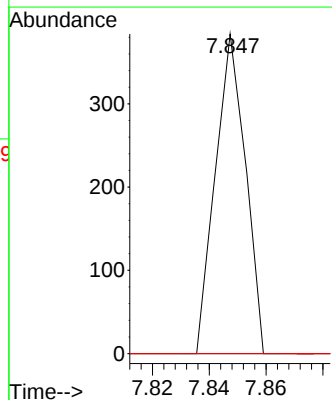
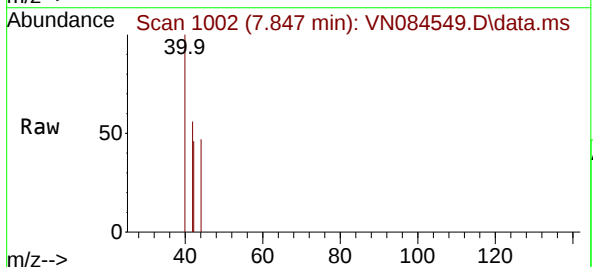
Instrument :
MSVOA_N
ClientSampleId :
WC-2

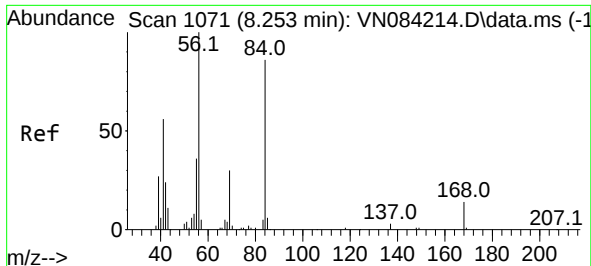
Tgt Ion: 43 Resp: 3613
Ion Ratio Lower Upper
43 100
72 26.3 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.311 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#

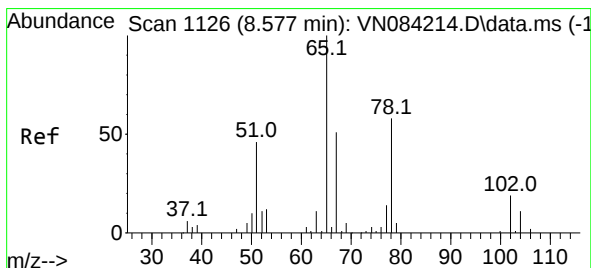
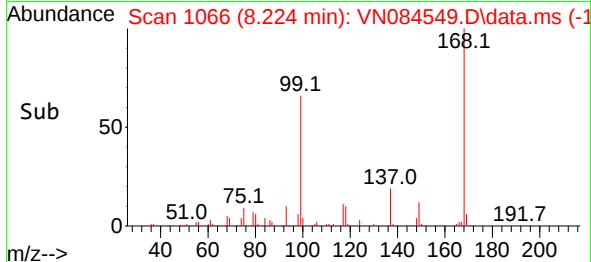
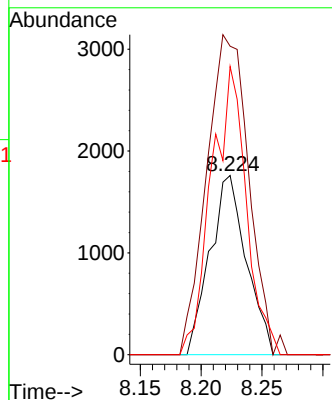
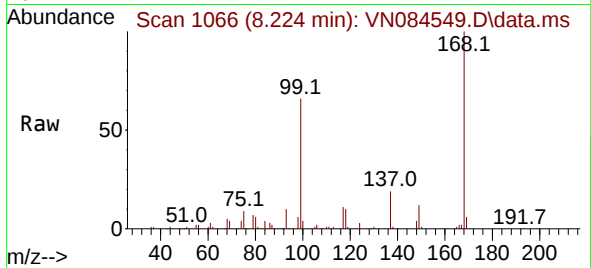




#31
Cyclohexane
Concen: 0.981 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

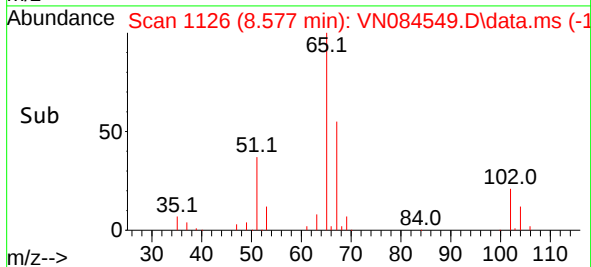
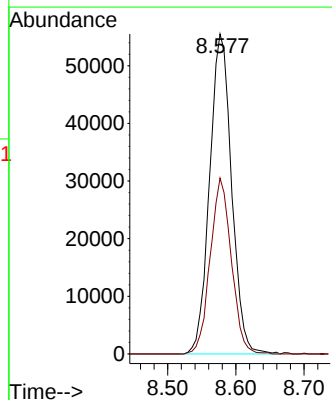
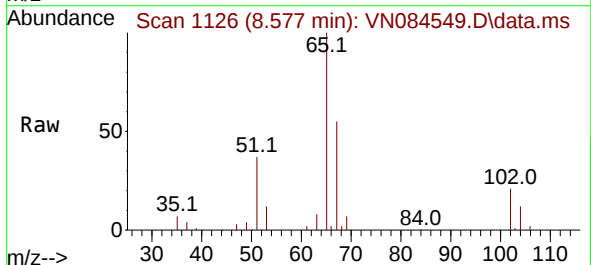
Instrument :
MSVOA_N
ClientSampleId :
WC-2

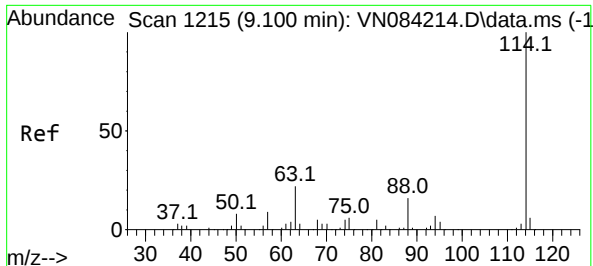
Tgt Ion: 56 Resp: 3656
Ion Ratio Lower Upper
56 100
69 172.1 23.8 35.6#
84 160.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.549 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 65 Resp: 124611
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

WC-2

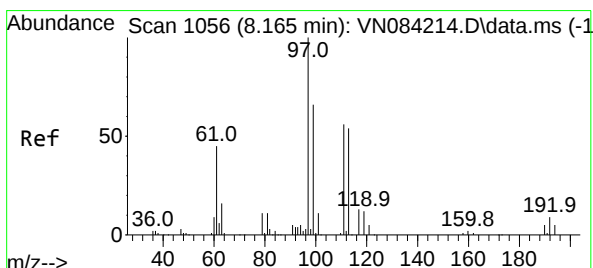
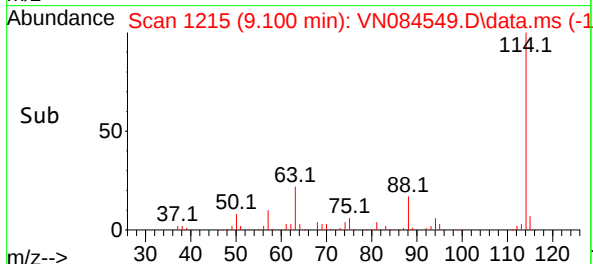
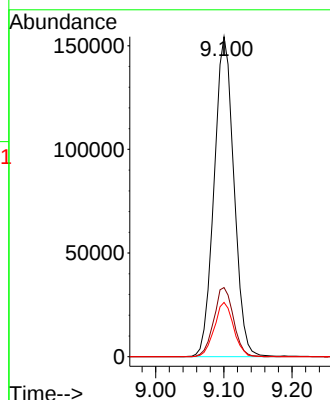
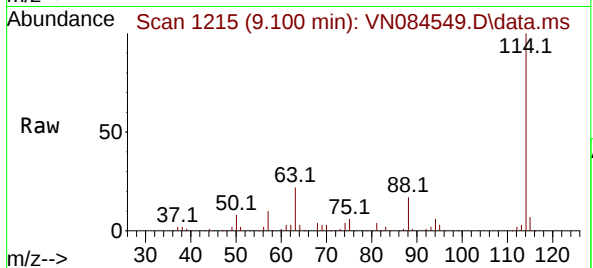
Tgt Ion:114 Resp: 311922

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 17.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.424 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

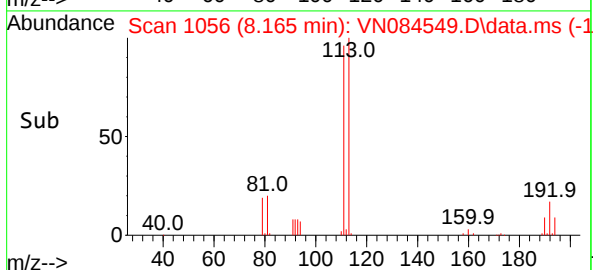
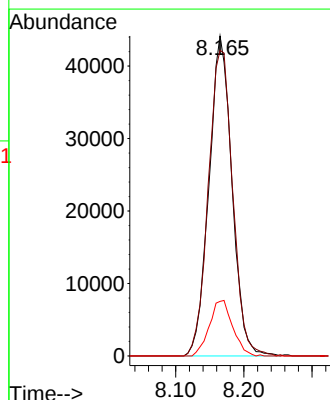
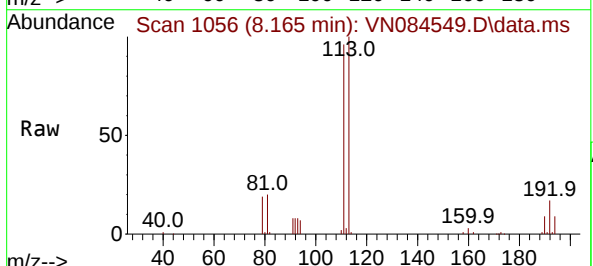
Tgt Ion:113 Resp: 103692

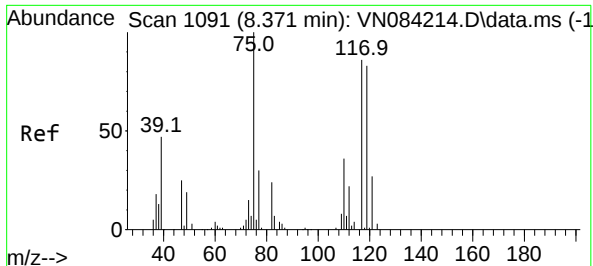
Ion Ratio Lower Upper

113 100

111 101.2 83.3 124.9

192 17.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

WC-2

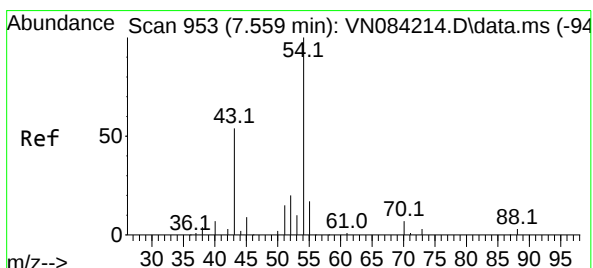
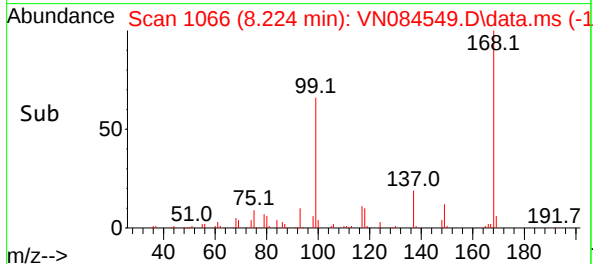
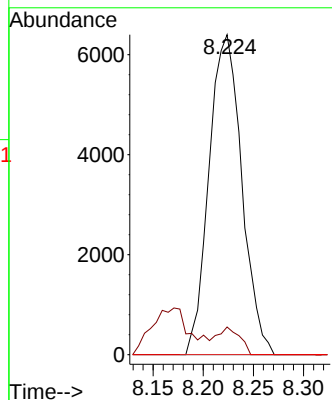
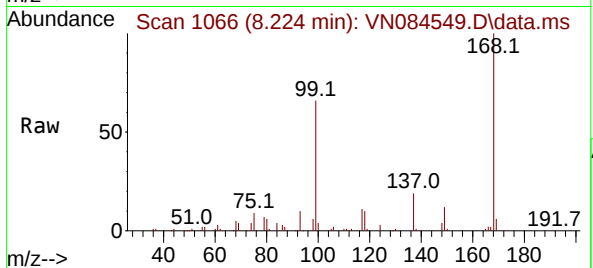
Tgt Ion: 75 Resp: 14557

Ion Ratio Lower Upper

75 100

110 5.9 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.802 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

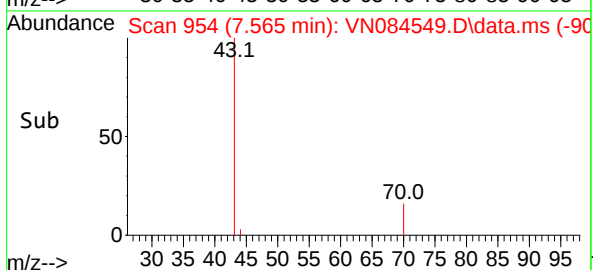
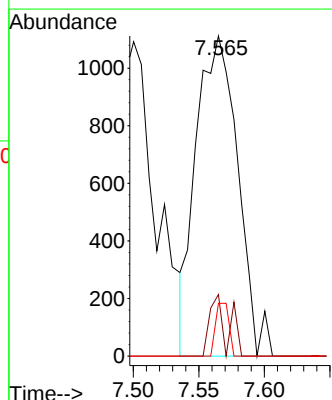
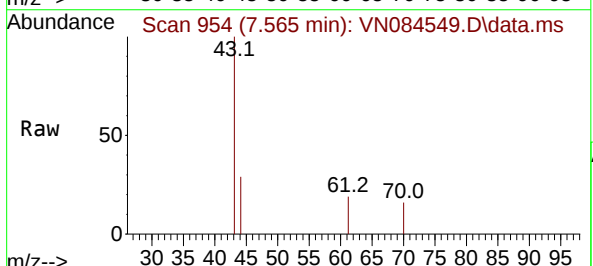
Tgt Ion: 43 Resp: 2457

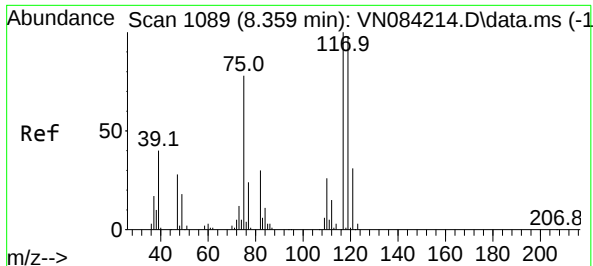
Ion Ratio Lower Upper

43 100

61 8.2 10.7 16.1#

70 5.3 8.8 13.2#

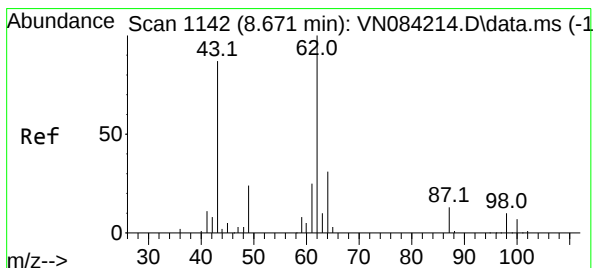
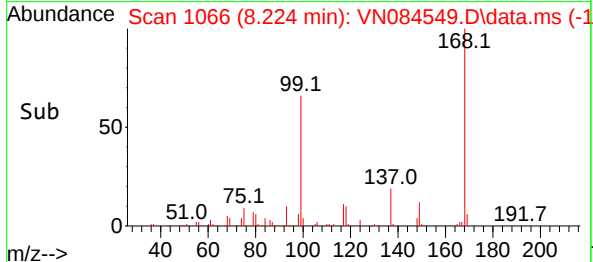
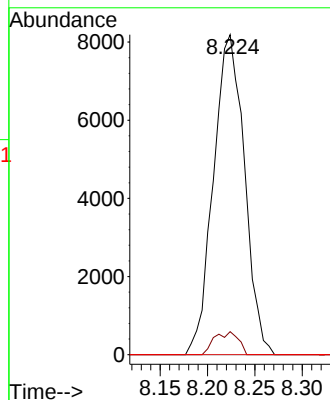
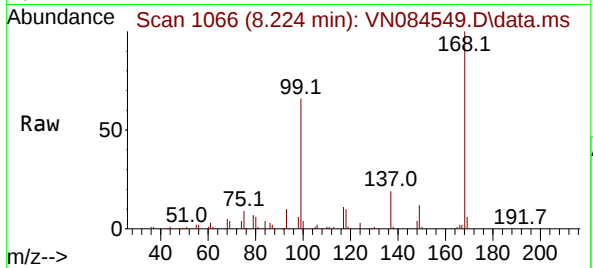




#38
Carbon Tetrachloride
Concen: 5.696 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

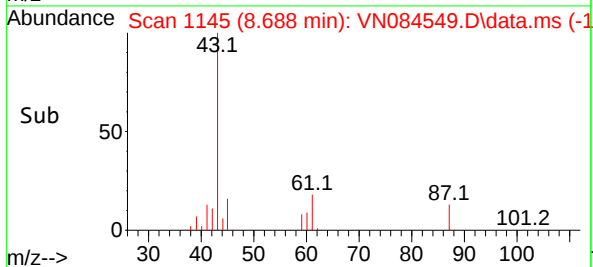
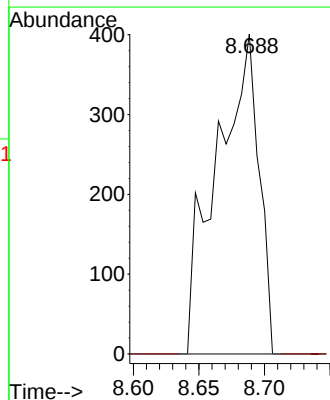
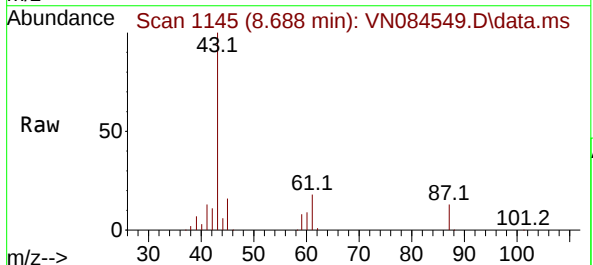
Instrument :
MSVOA_N
ClientSampleId :
WC-2

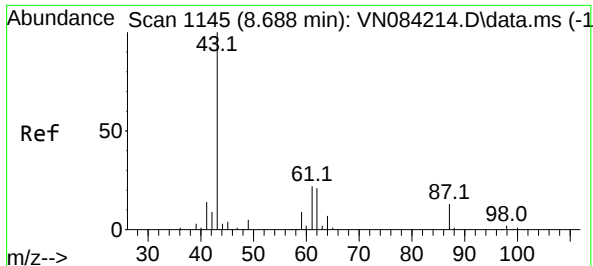
Tgt Ion:117 Resp: 18663
Ion Ratio Lower Upper
117 100
119 7.2 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.283 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 62 Resp: 894
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

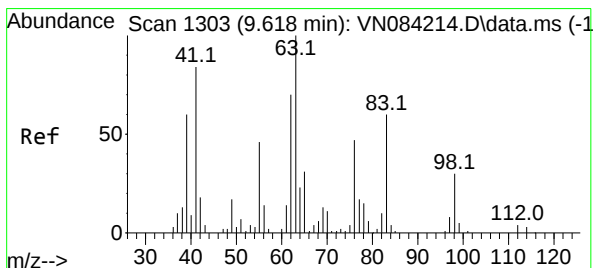
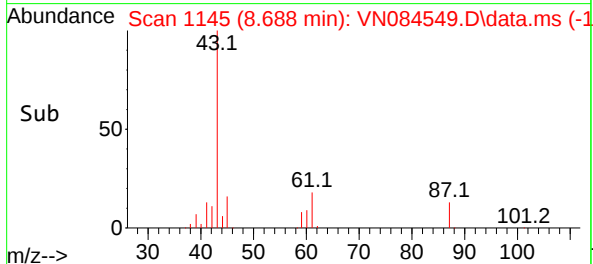
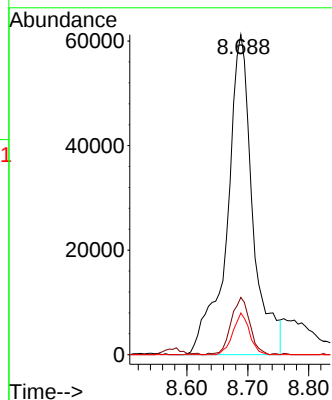
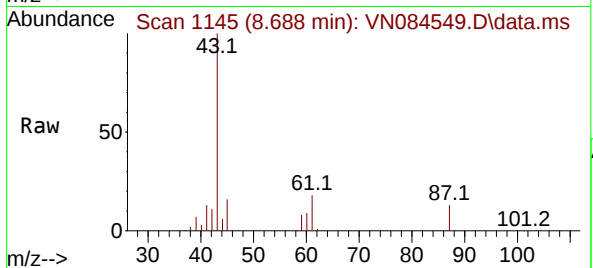




#43
Isopropyl Acetate
Concen: 29.849 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

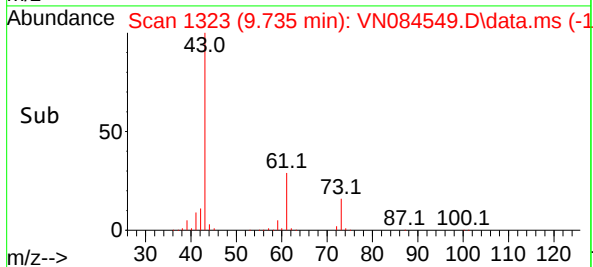
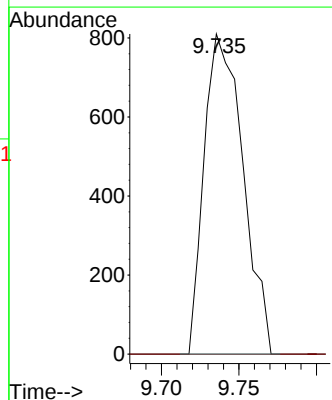
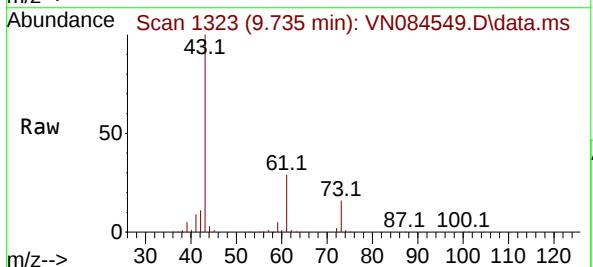
Instrument :
MSVOA_N
ClientSampleId :
WC-2

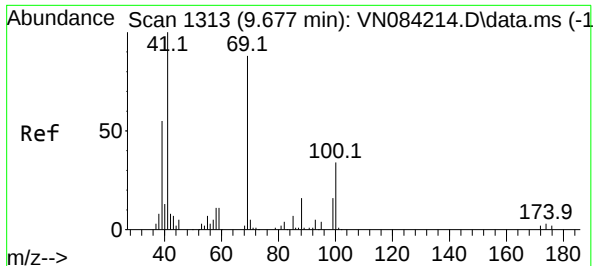
Tgt Ion: 43 Resp: 179159
Ion Ratio Lower Upper
43 100
61 13.1 20.4 30.6#
87 8.4 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 63 Resp: 1409
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

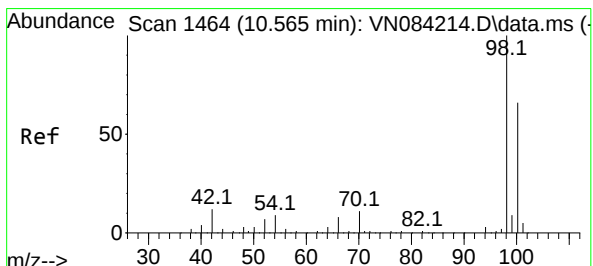
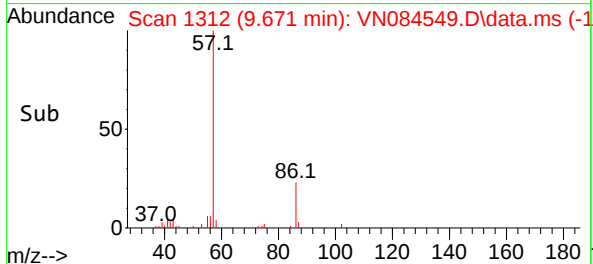
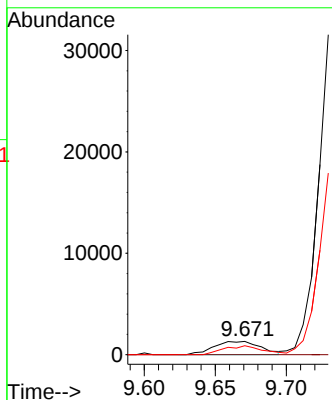
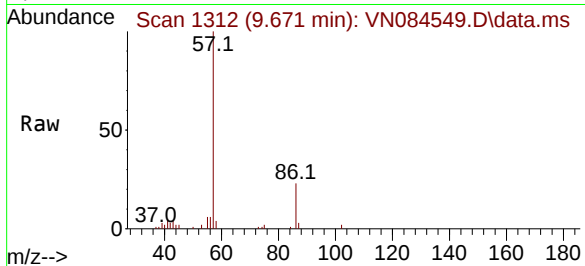




#48
Methyl methacrylate
Concen: 1.246 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

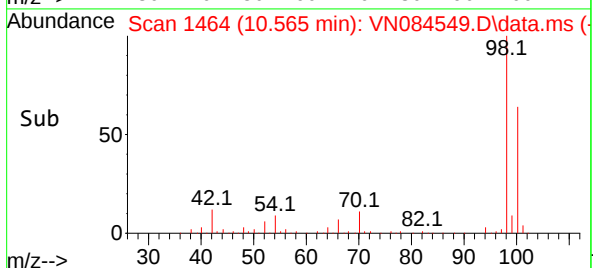
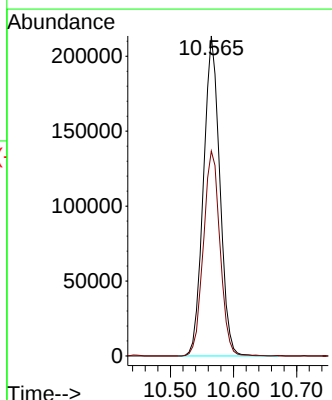
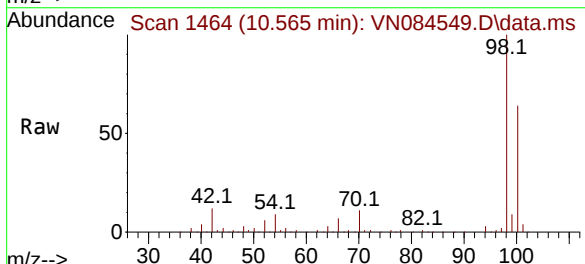
Instrument :
MSVOA_N
ClientSampleId :
WC-2

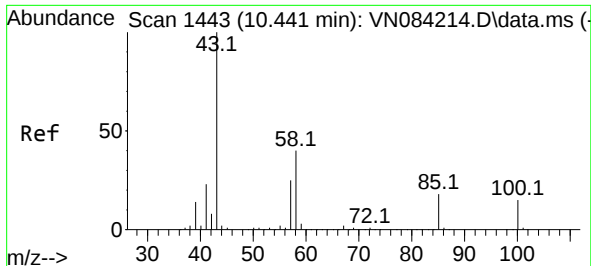
Tgt Ion: 41 Resp: 2978
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 57.2 45.8 68.6



#50
Toluene-d8
Concen: 50.807 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 98 Resp: 384391
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1

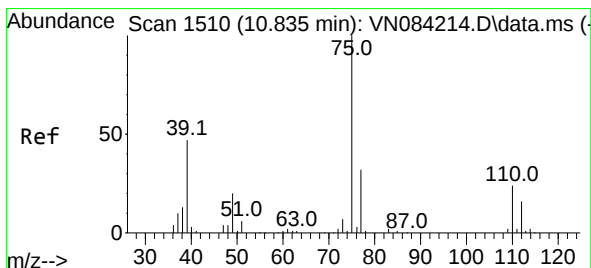
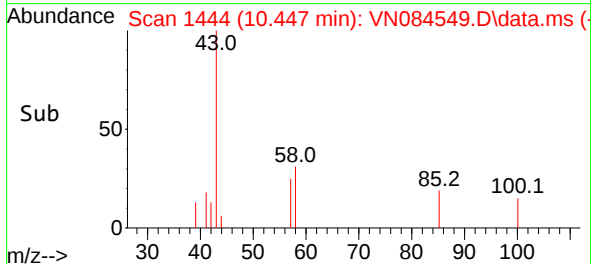
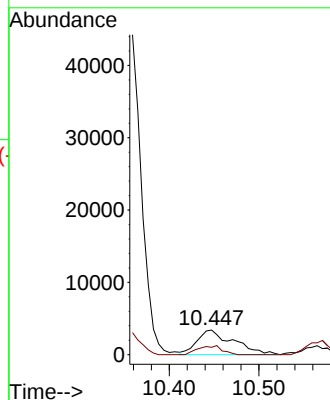
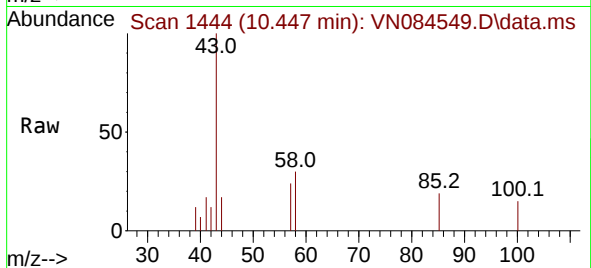




#51
4-Methyl-2-Pentanone
Concen: 3.315 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

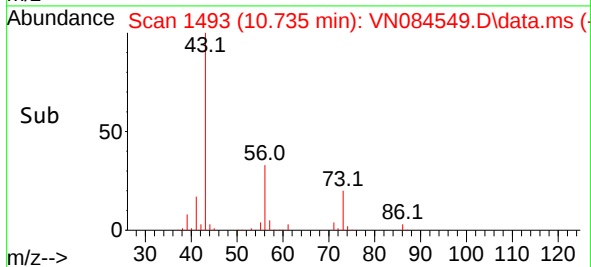
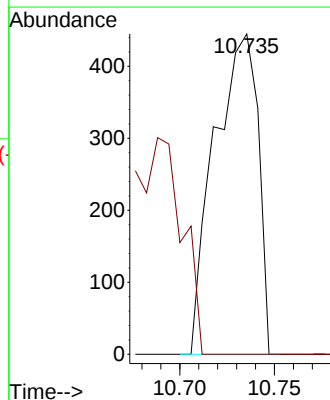
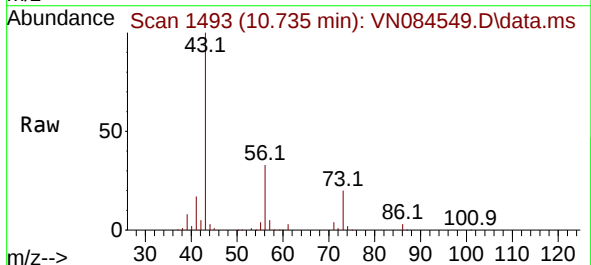
Instrument :
MSVOA_N
ClientSampleId :
WC-2

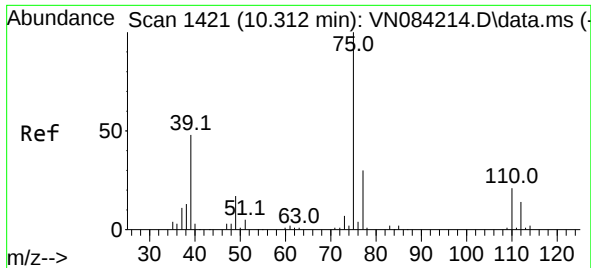
Tgt Ion: 43 Resp: 9669
Ion Ratio Lower Upper
43 100
58 23.8 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 75 Resp: 712
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

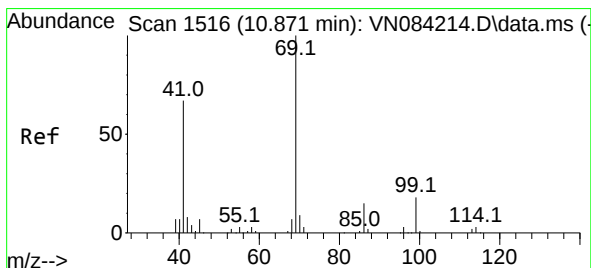
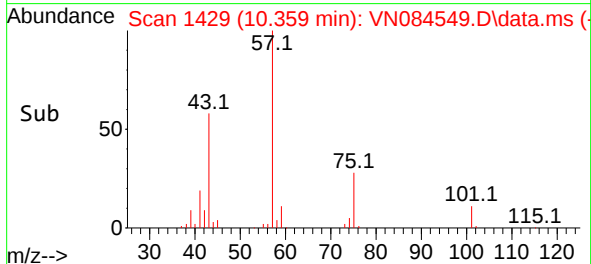
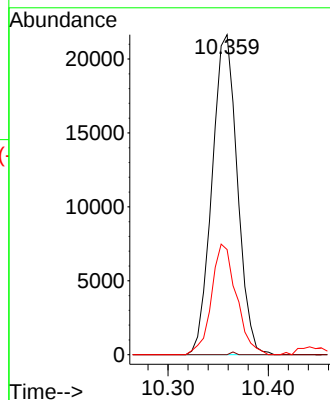
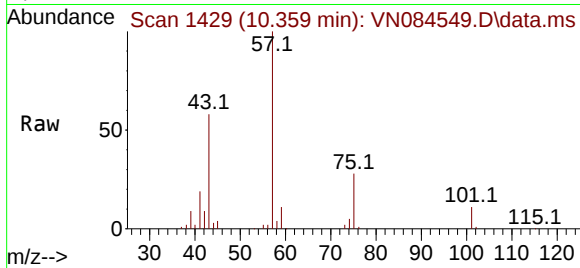




#54
 cis-1,3-Dichloropropene
 Concen: 10.475 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084549.D
 Acq: 28 Oct 2024 19:05

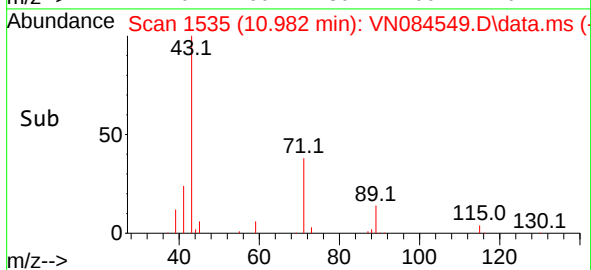
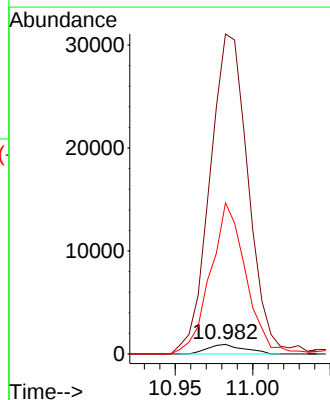
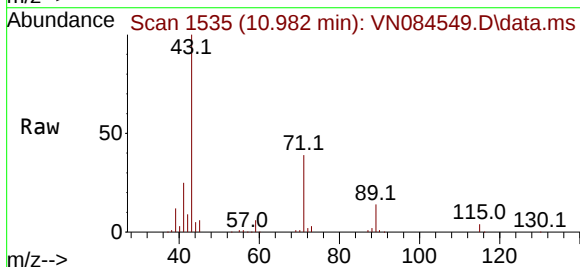
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

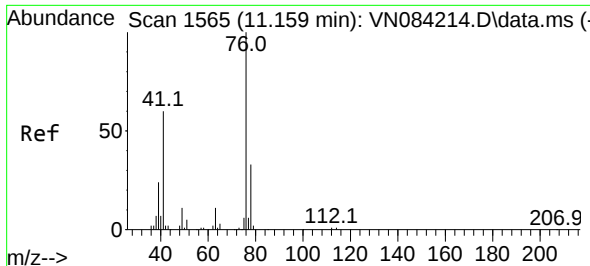
Tgt Ion: 75 Resp: 37908
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 32.8 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.451 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084549.D
 Acq: 28 Oct 2024 19:05

Tgt Ion: 69 Resp: 1510
 Ion Ratio Lower Upper
 69 100
 41 3548.8 53.3 79.9#
 39 1548.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.445 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

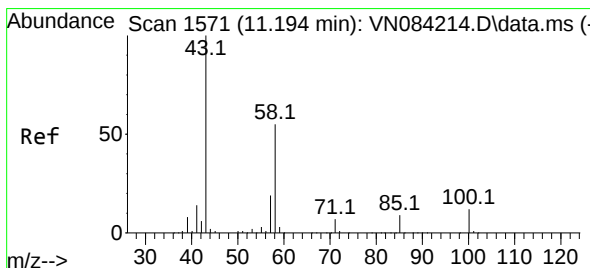
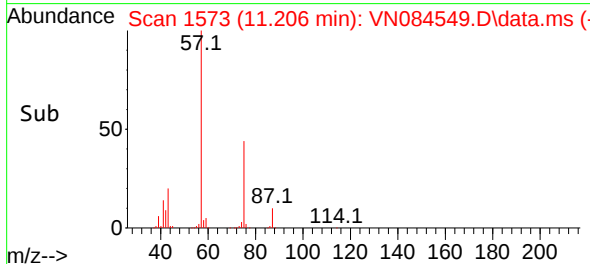
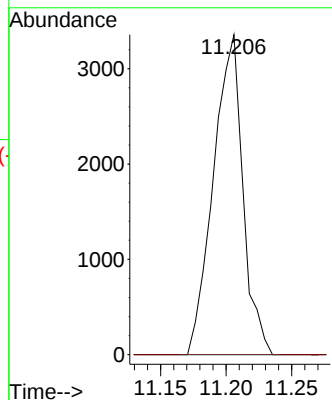
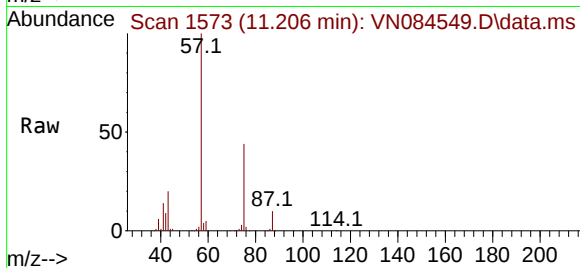
WC-2

Tgt Ion: 76 Resp: 5253

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 27.772 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084549.D

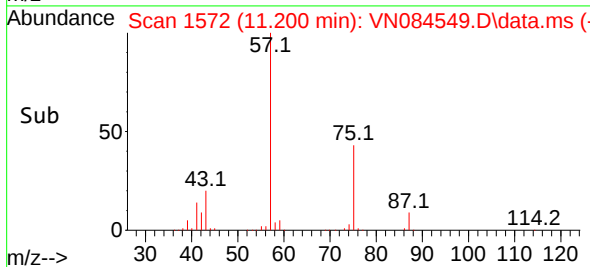
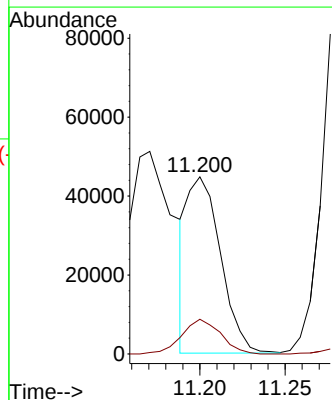
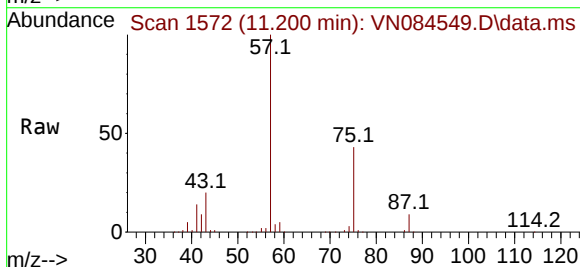
Acq: 28 Oct 2024 19:05

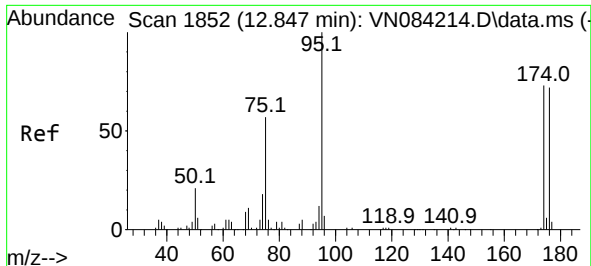
Tgt Ion: 43 Resp: 60551

Ion Ratio Lower Upper

43 100

58 23.1 27.3 81.8#

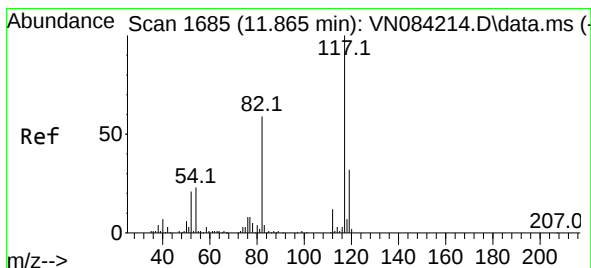
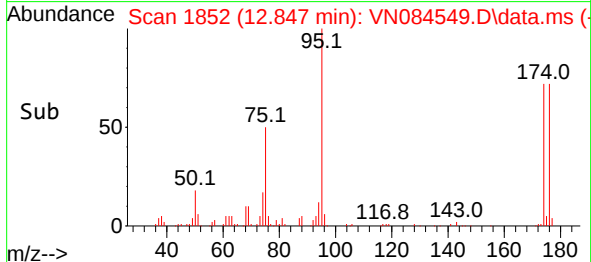
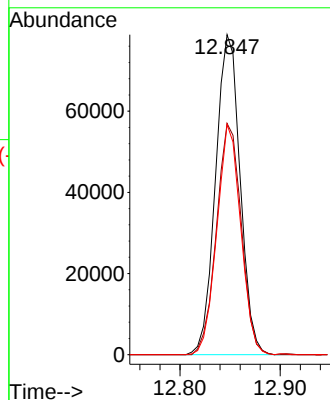
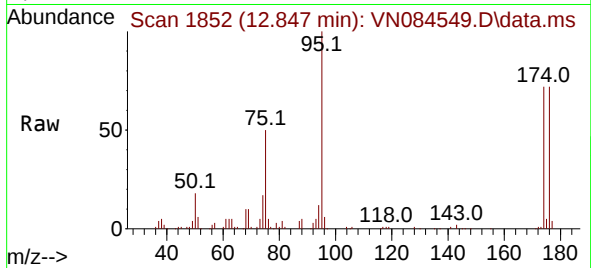




#62
4-Bromofluorobenzene
Concen: 48.705 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

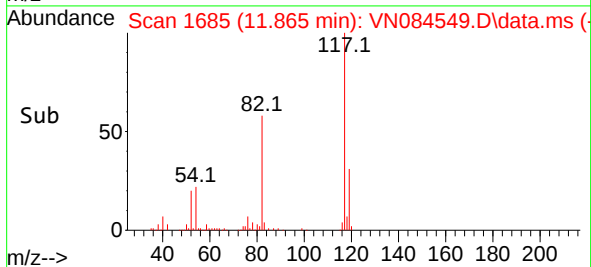
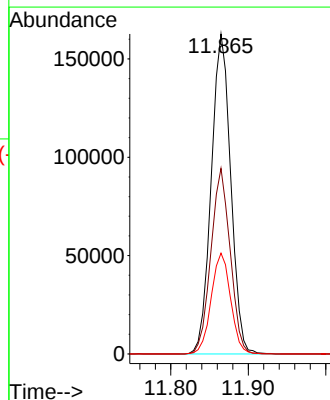
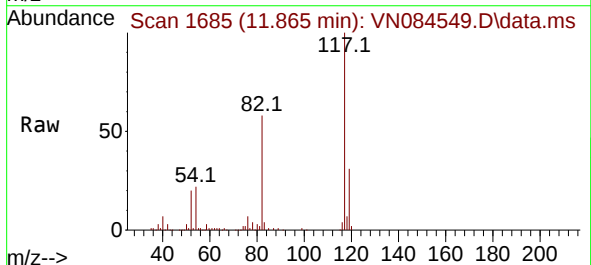
Instrument :
MSVOA_N
ClientSampleId :
WC-2

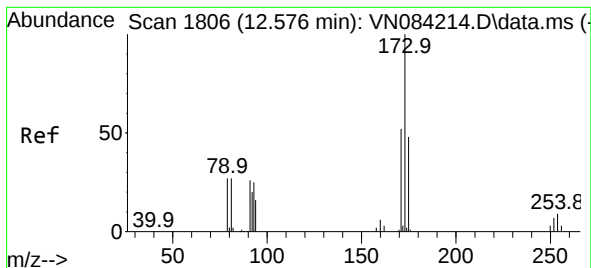
Tgt Ion: 95 Resp: 134242
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.2
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 117 Resp: 283674
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 31.5 25.4 38.0





#71

Bromoform

Concen: 0.414 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

WC-2

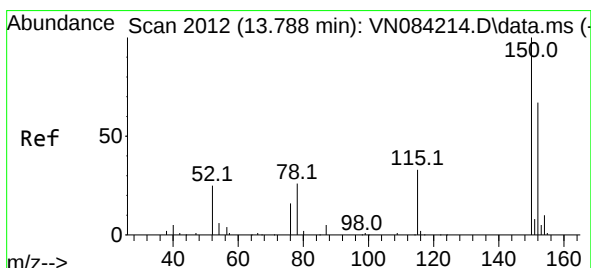
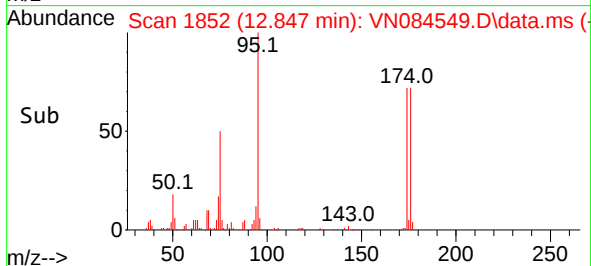
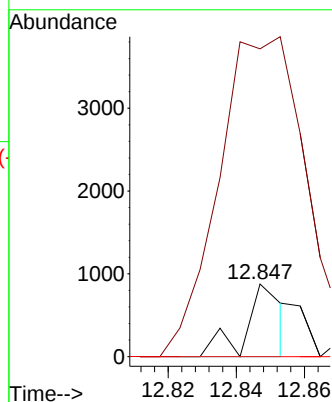
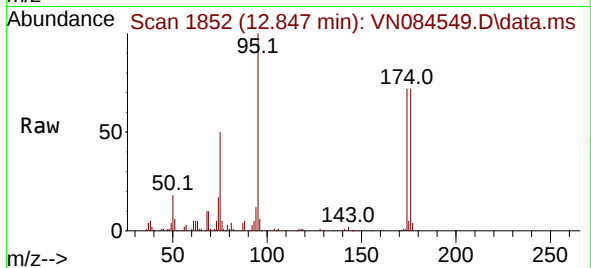
Tgt Ion:173 Resp: 660

Ion Ratio Lower Upper

173 100

175 592.6 23.5 70.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084549.D

Acq: 28 Oct 2024 19:05

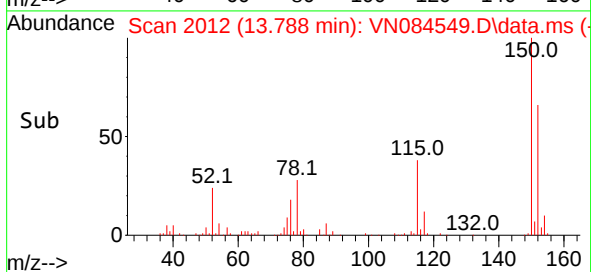
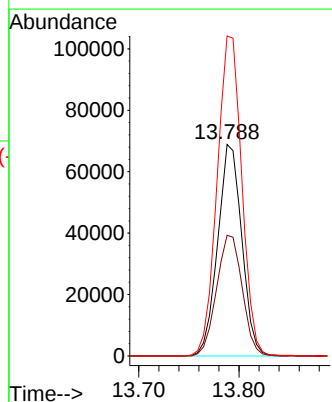
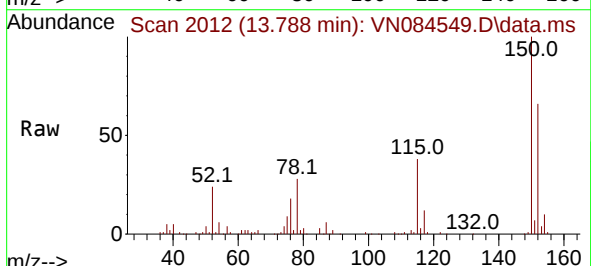
Tgt Ion:152 Resp: 114943

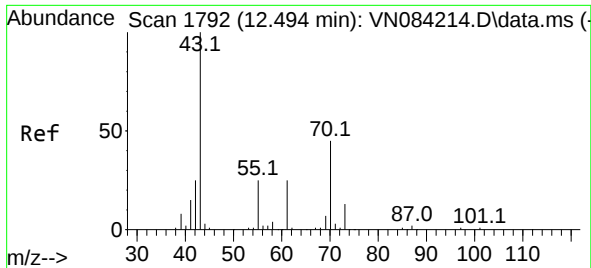
Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.9

150 154.9 0.0 349.8

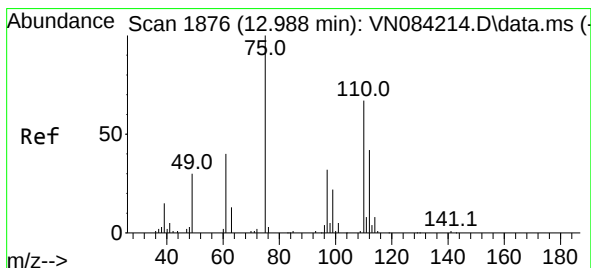
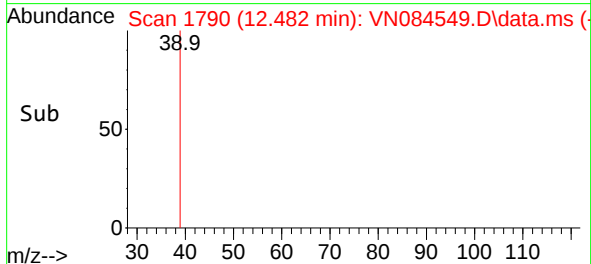
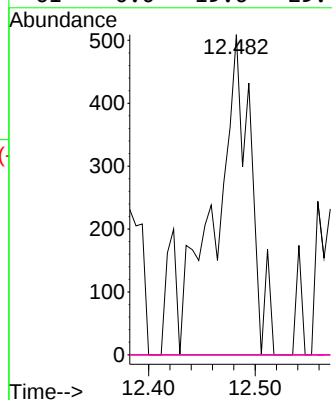
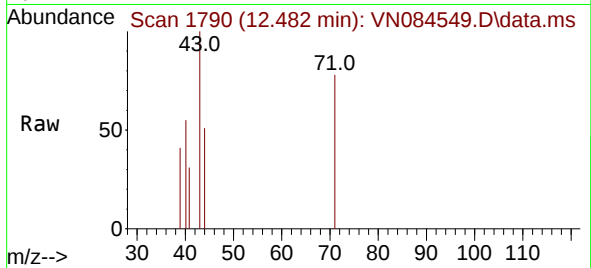




#74
N-amy1 acetate
Concen: 0.297 ug/l
RT: 12.482 min Scan# 1178
Delta R.T. -0.012 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

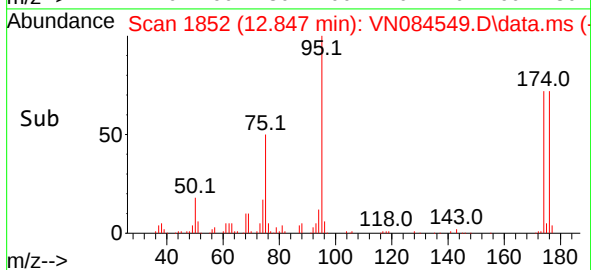
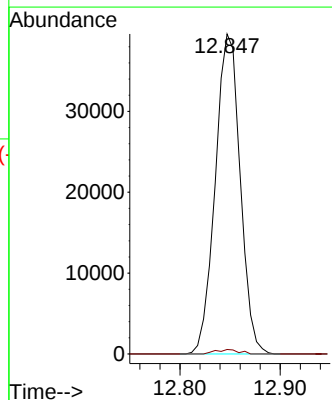
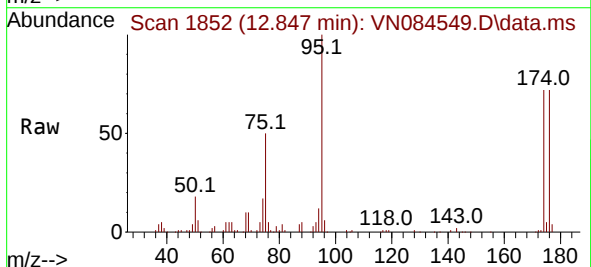
Instrument :
MSVOA_N
ClientSampleId :
WC-2

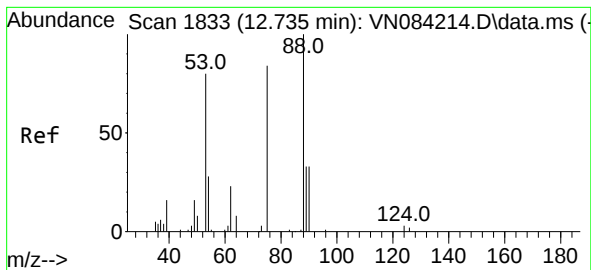
Tgt Ion: 43	Resp:	1178
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.4 51.6#
55	0.0	19.6 29.4#
61	0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 29.089 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084549.D
Acq: 28 Oct 2024 19:05

Tgt Ion: 75	Resp:	68259
Ion	Ratio	Lower Upper
75	100	
77	1.3	96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.738 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084549.D
 Acq: 28 Oct 2024 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Tgt Ion: 75 Resp: 68259
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 35.5 53.3#

