

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084491.D
 Acq On : 24 Oct 2024 16:21
 Operator : JC\MD
 Sample : PB164314ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:03:05 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

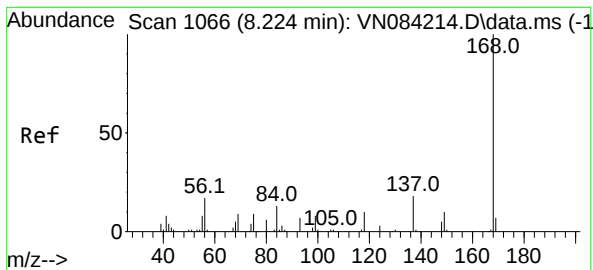
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	198759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	355076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138489	46.994	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.980%		
35) Dibromofluoromethane	8.165	113	109132	46.620	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	10.565	98	423961	49.227	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.847	95	144427	46.032	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.060%		
Target Compounds						Qvalue
5) Bromomethane	2.977	94	348	0.203	ug/l	86
11) Tert butyl alcohol	5.506	59	453	0.932	ug/l #	73
16) Acetone	4.430	43	48190	38.066	ug/l	95
18) Methyl Acetate	5.036	43	2463	0.893	ug/l #	84
20) Methylene Chloride	5.265	84	5137	1.996	ug/l #	78
25) 2-Butanone	7.494	43	5460	3.167	ug/l #	83
29) Tetrahydrofuran	7.847	42	568	0.534	ug/l #	68
31) Cyclohexane	8.218	56	4707	1.078	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	16940	4.982	ug/l #	50
37) Ethyl Acetate	7.571	43	3408	0.977	ug/l #	88
38) Carbon Tetrachloride	8.224	117	22023	5.905	ug/l #	16
43) Isopropyl Acetate	8.688	43	197842	28.956	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1738	0.694	ug/l #	44
48) Methyl methacrylate	9.659	41	4298	1.580	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	7830	2.358	ug/l #	87
53) t-1,3-Dichloropropene	10.718	75	923	0.241	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	51024	12.385	ug/l #	61
56) Ethyl methacrylate	10.982	69	1348	0.354	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6525	1.577	ug/l #	42
59) 2-Hexanone	11.200	43	79832	32.165	ug/l #	55
74) N-amyl acetate	12.482	43	1994	0.460	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	76466	29.832	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76466	71.522	ug/l #	11

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

Quant Time: Oct 25 02:03:05 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

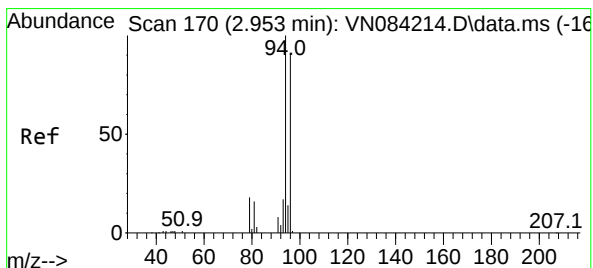
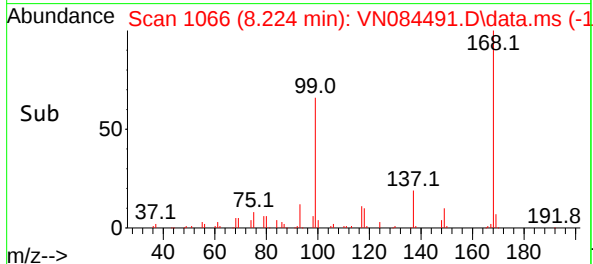
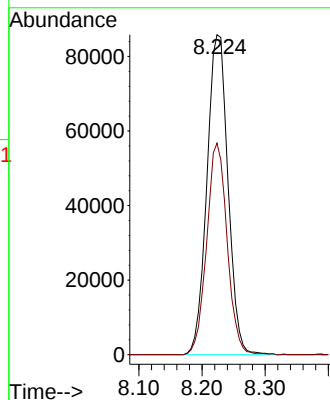
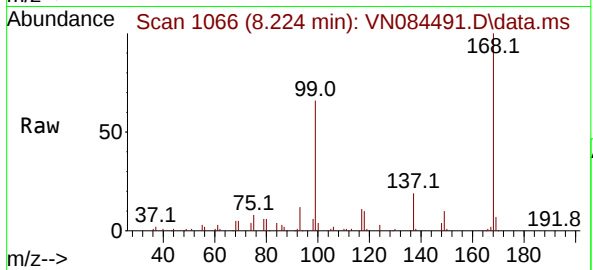




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

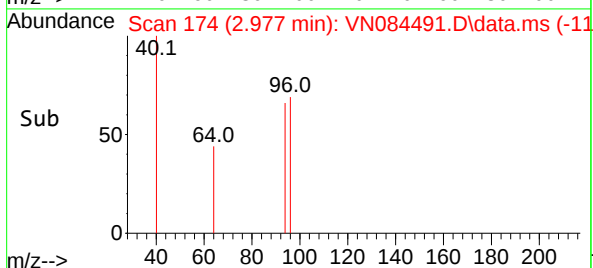
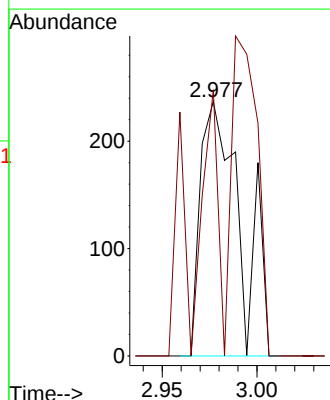
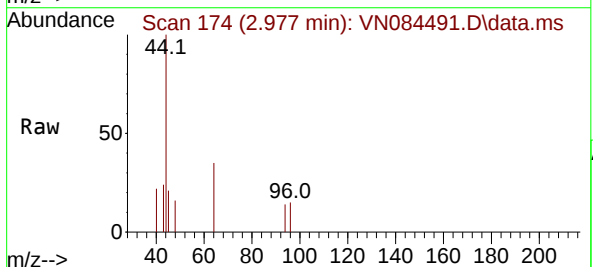
Instrument :
MSVOA_N
ClientSampleId :

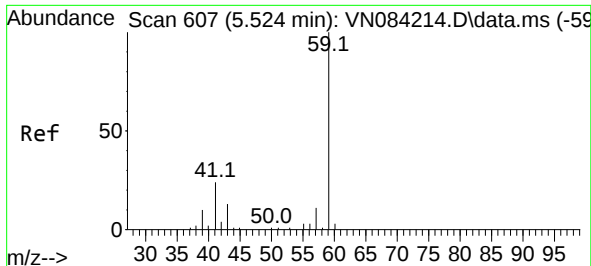
Tgt Ion:168 Resp: 198759
Ion Ratio Lower Upper
168 100
99 66.1 54.2 81.2



#5
Bromomethane
Concen: 0.203 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

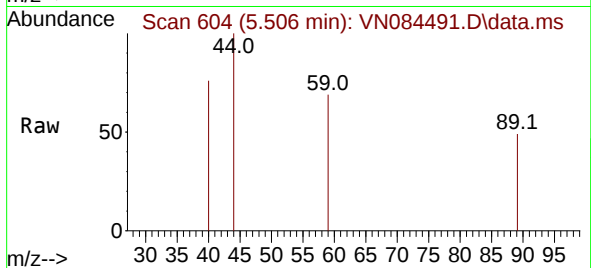
Tgt Ion: 94 Resp: 348
Ion Ratio Lower Upper
94 100
96 104.6 72.9 109.3



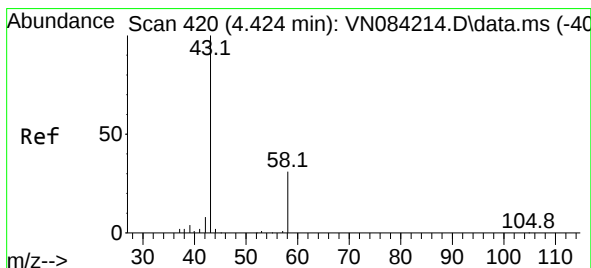
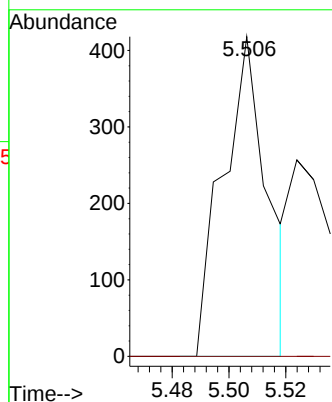
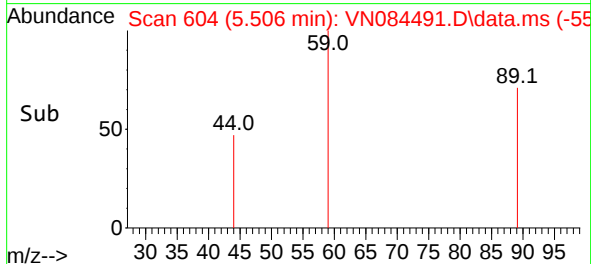


#11
Tert butyl alcohol
Concen: 0.932 ug/l
RT: 5.506 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

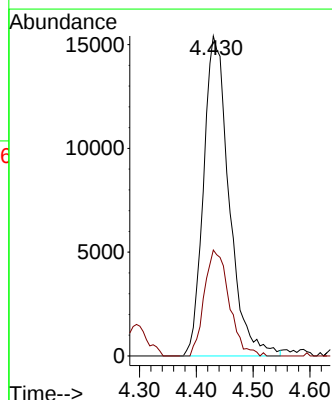
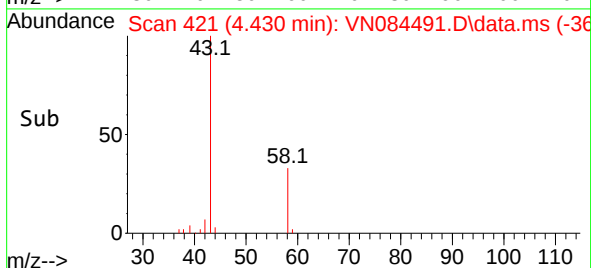
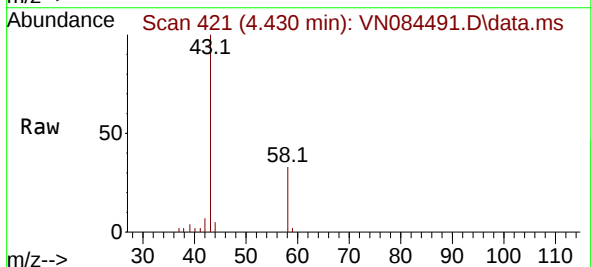


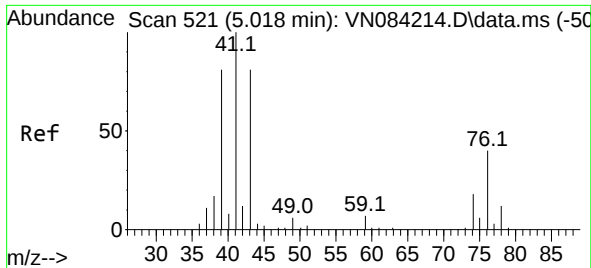
Tgt Ion: 59 Resp: 453
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 38.066 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Tgt Ion: 43 Resp: 48190
Ion Ratio Lower Upper
43 100
58 33.1 24.4 36.6

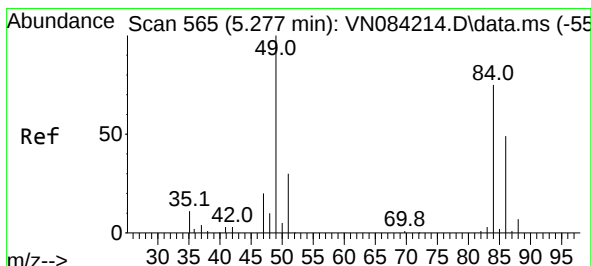
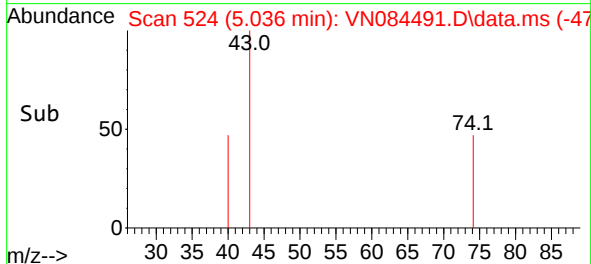
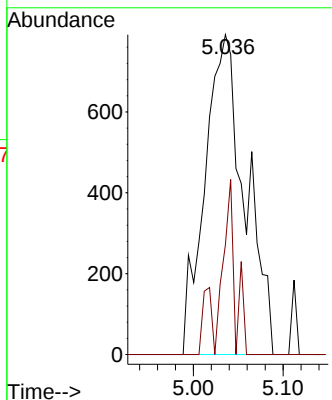
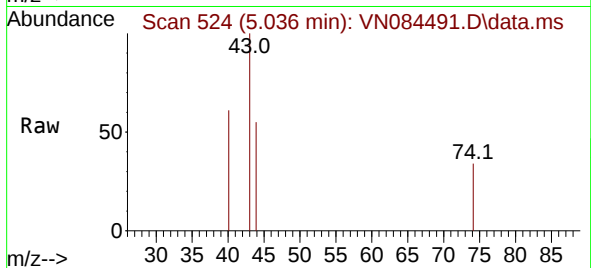




#18
Methyl Acetate
Concen: 0.893 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

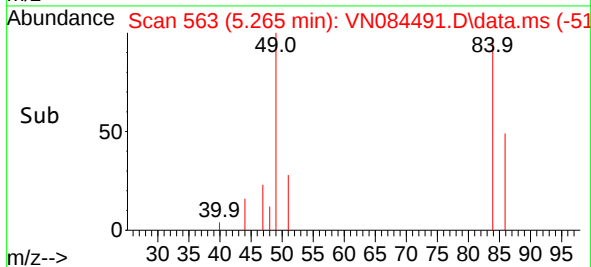
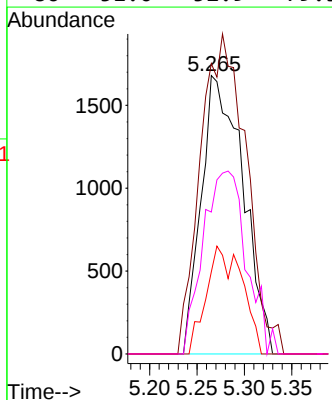
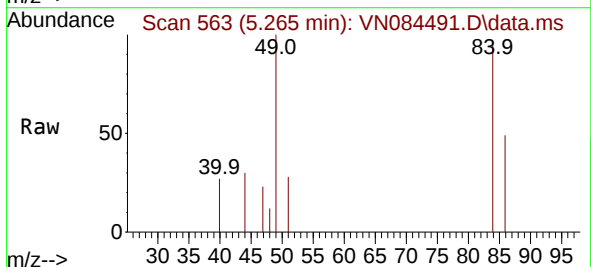
Instrument :
MSVOA_N
ClientSampleId :

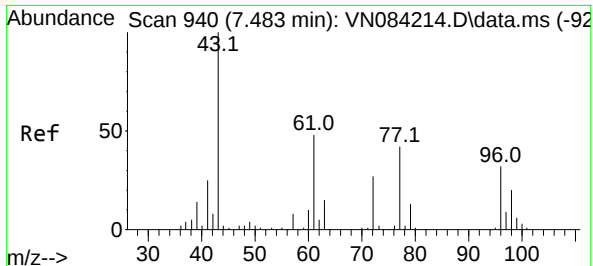
Tgt Ion: 43 Resp: 2463
Ion Ratio Lower Upper
43 100
74 15.9 19.2 28.8#



#20
Methylene Chloride
Concen: 1.996 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Tgt Ion: 84 Resp: 5137
Ion Ratio Lower Upper
84 100
49 104.3 107.2 160.8#
51 29.5 31.8 47.8#
86 51.0 52.9 79.3#





#25

2-Butanone

Concen: 3.167 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

Instrument :

MSVOA_N

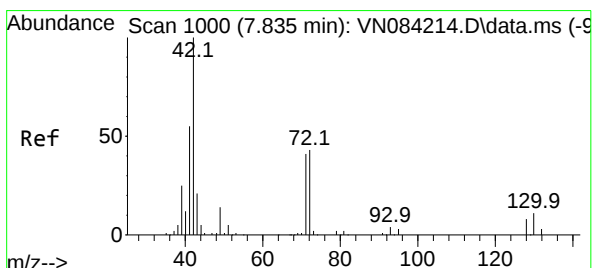
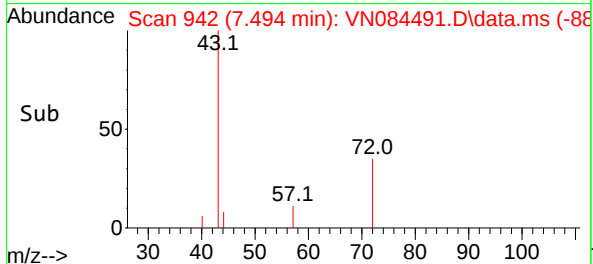
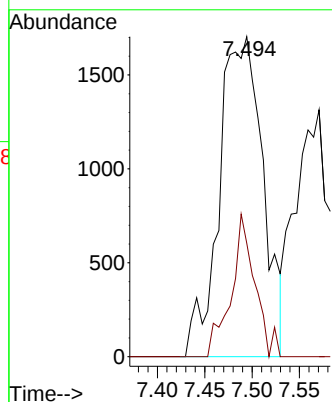
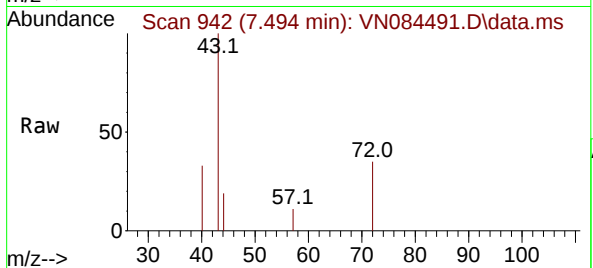
ClientSampleId :

Tgt Ion: 43 Resp: 5460

Ion Ratio Lower Upper

43 100

72 35.4 21.4 32.2#



#29

Tetrahydrofuran

Concen: 0.534 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

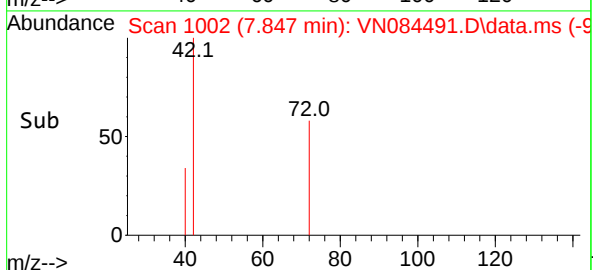
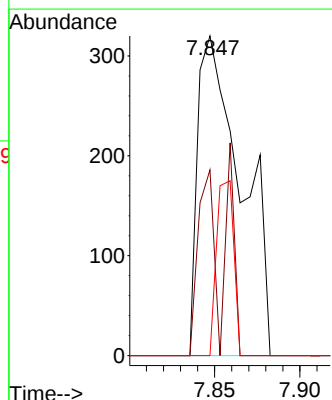
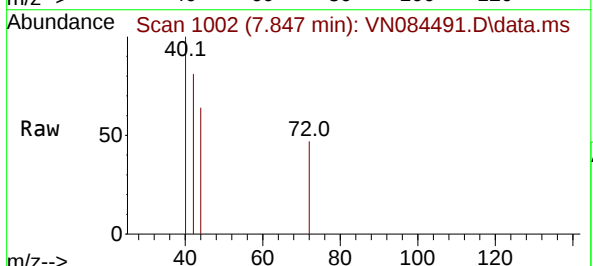
Tgt Ion: 42 Resp: 568

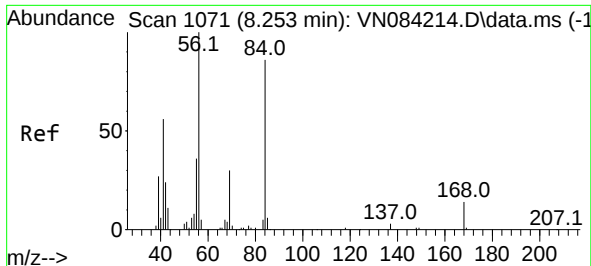
Ion Ratio Lower Upper

42 100

72 21.1 34.6 51.8#

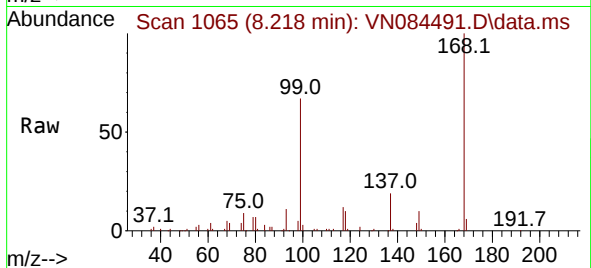
71 21.5 32.2 48.4#



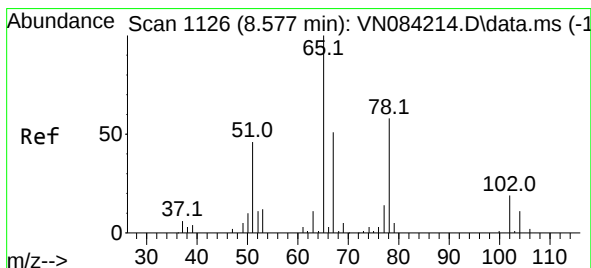
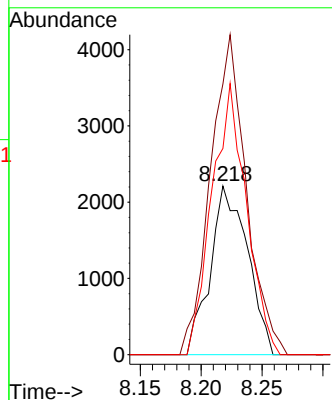
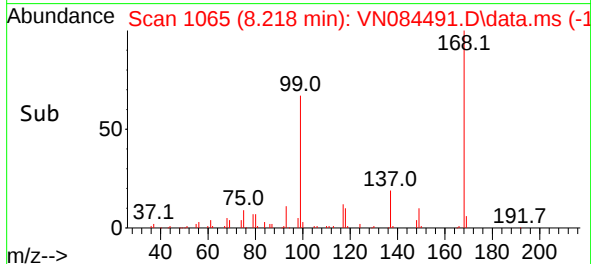


#31
Cyclohexane
Concen: 1.078 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

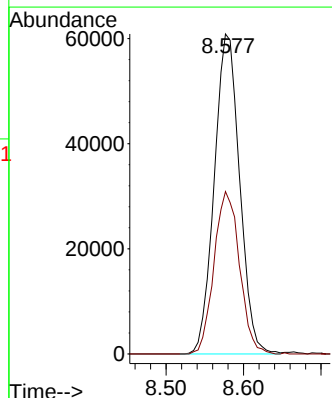
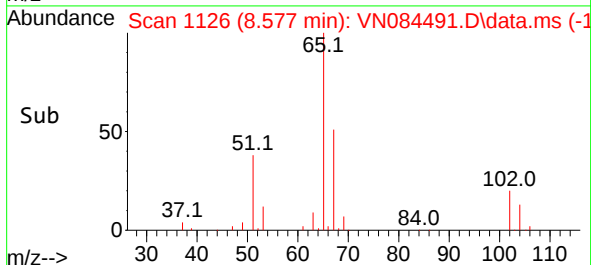
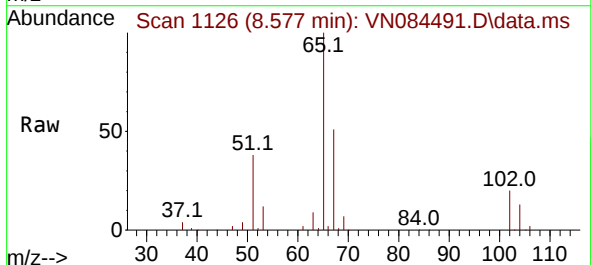


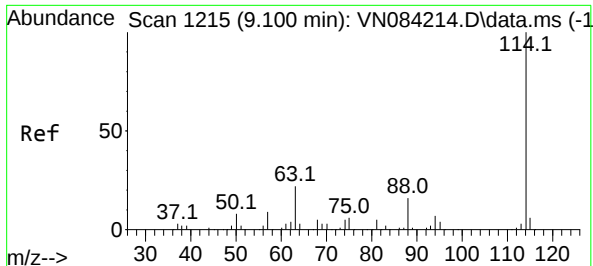
Tgt Ion: 56 Resp: 4707
Ion Ratio Lower Upper
56 100
69 160.5 23.8 35.6#
84 122.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 46.994 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Tgt Ion: 65 Resp: 138489
Ion Ratio Lower Upper
65 100
67 51.0 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: VN084491.D

Acq: 24 Oct 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

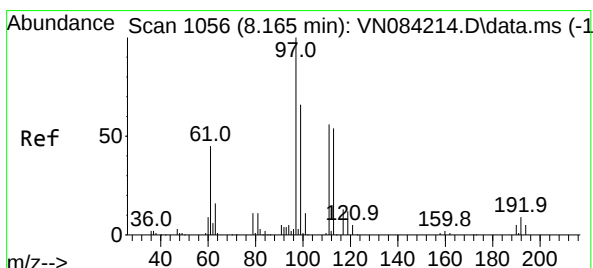
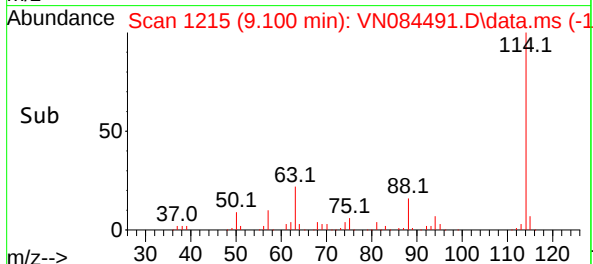
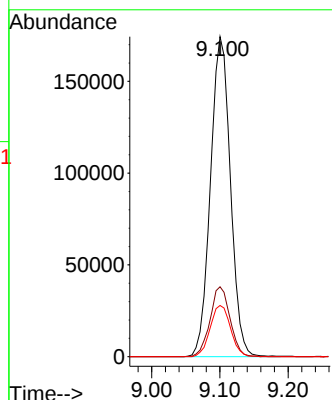
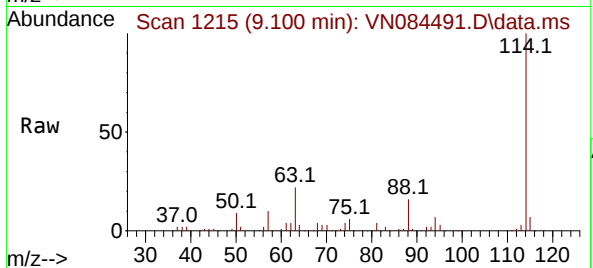
Tgt Ion:114 Resp: 355076

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 16.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 46.620 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

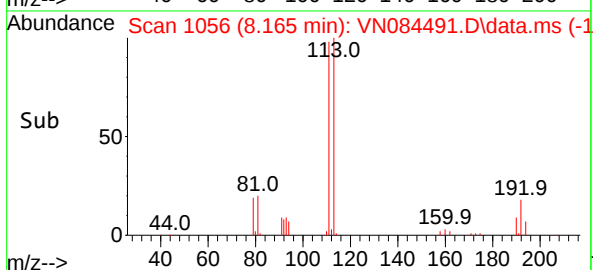
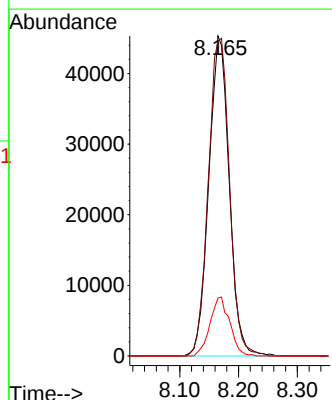
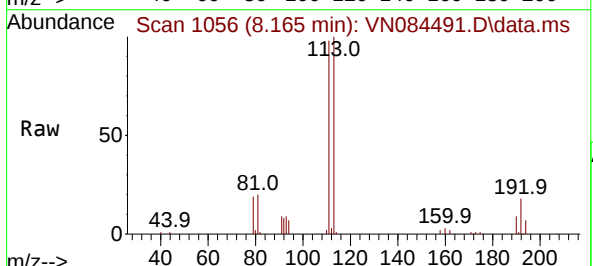
Tgt Ion:113 Resp: 109132

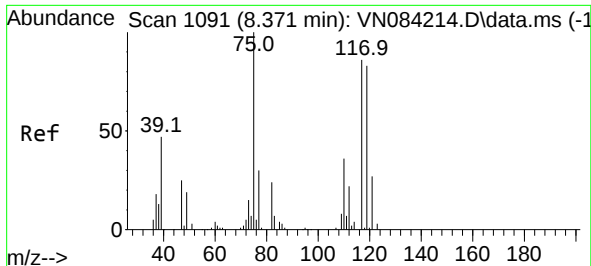
Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 17.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

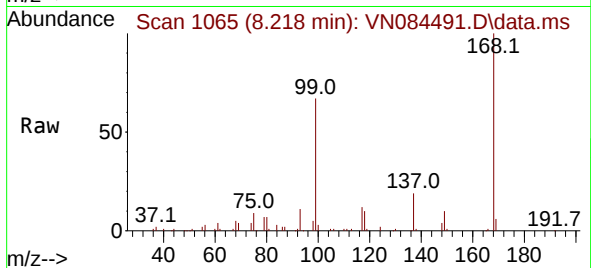
Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

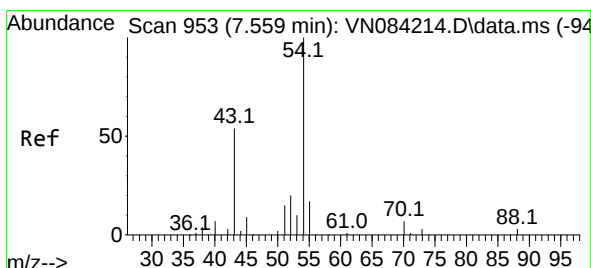
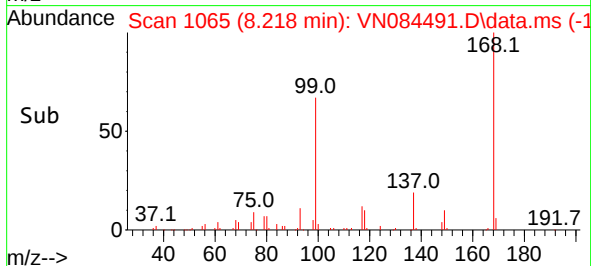
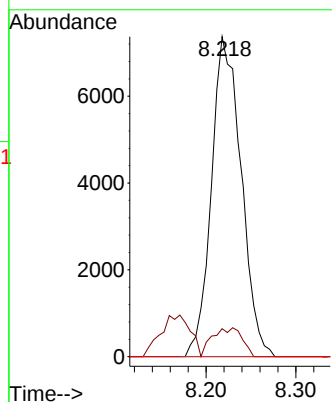
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16940
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 0.977 ug/l

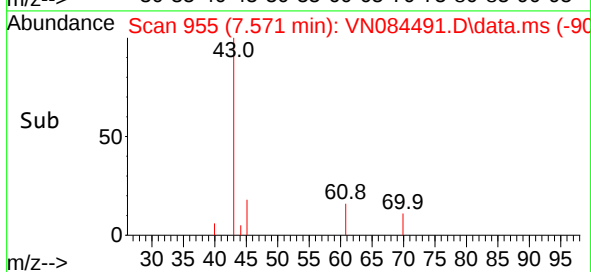
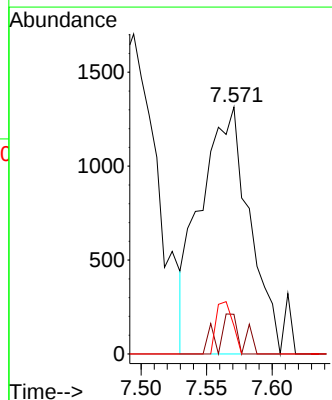
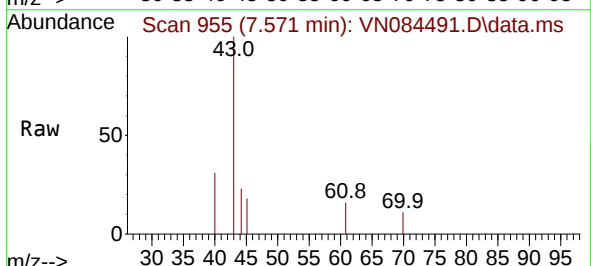
RT: 7.571 min Scan# 955

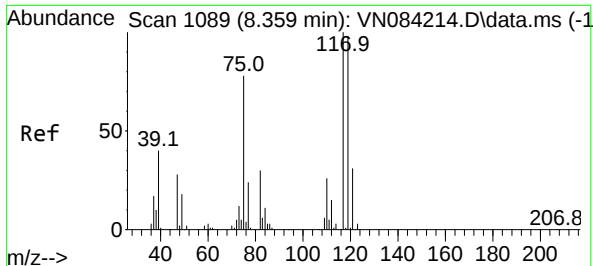
Delta R.T. 0.012 min

Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

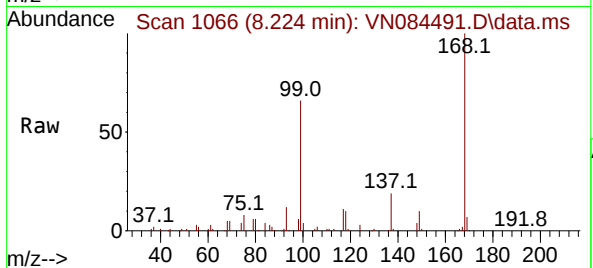
Tgt Ion:	43	Resp:	3408
Ion	Ratio	Lower	Upper
43	100		
61	7.7	10.7	16.1#
70	7.2	8.8	13.2#



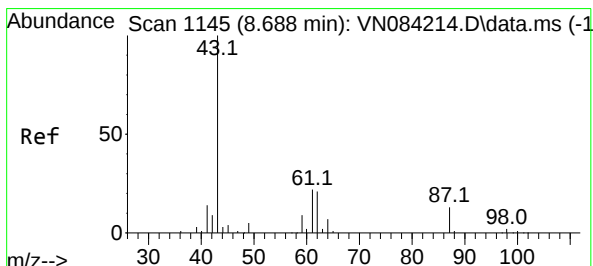
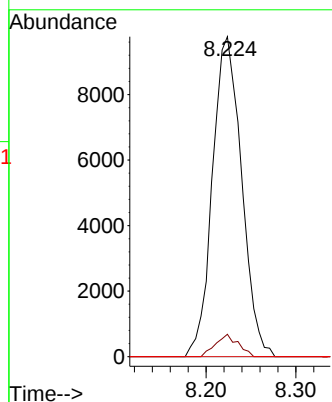
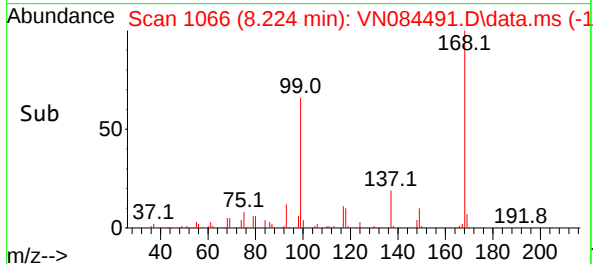


#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

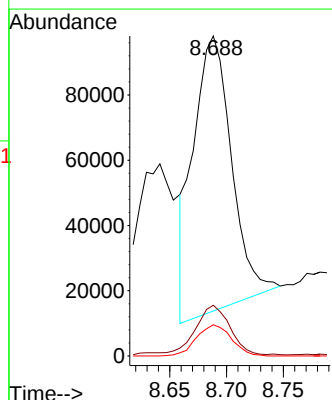
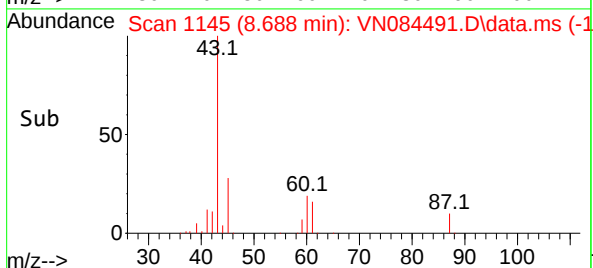
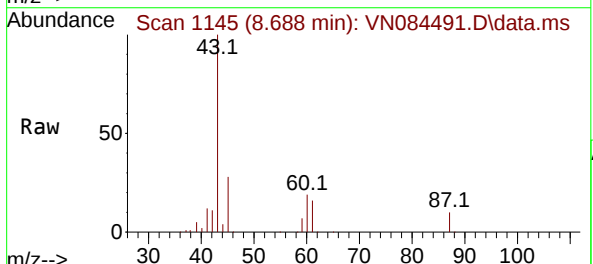


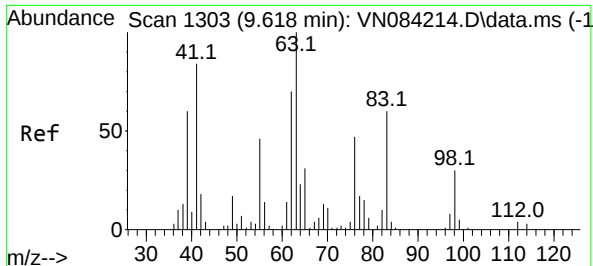
Tgt Ion:117 Resp: 22023
Ion Ratio Lower Upper
117 100
119 7.0 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 28.956 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Tgt Ion: 43 Resp: 197842
Ion Ratio Lower Upper
43 100
61 17.6 20.4 30.6#
87 10.3 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.694 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

Instrument :

MSVOA_N

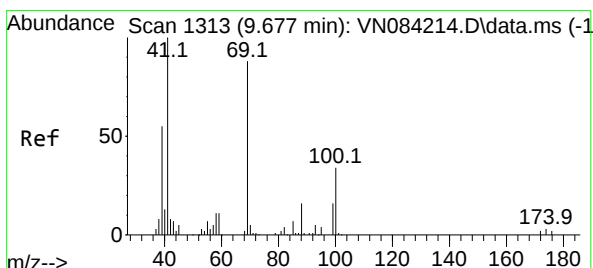
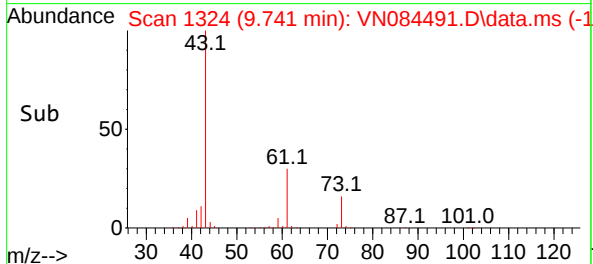
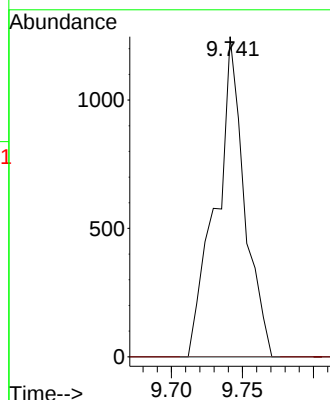
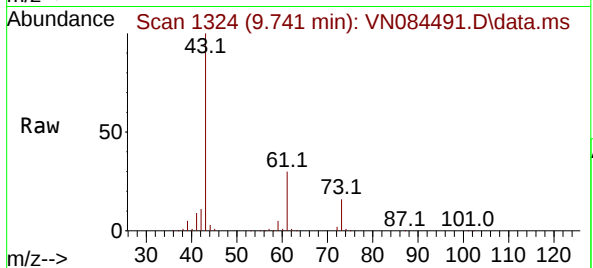
ClientSampleId :

Tgt Ion: 63 Resp: 1738

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.580 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084491.D

Acq: 24 Oct 2024 16:21

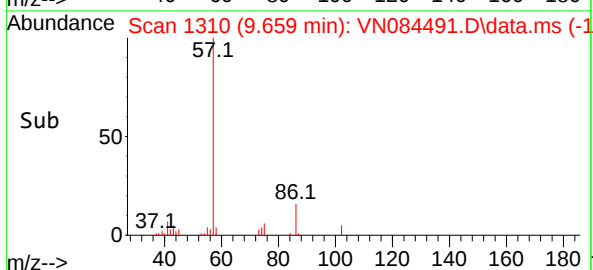
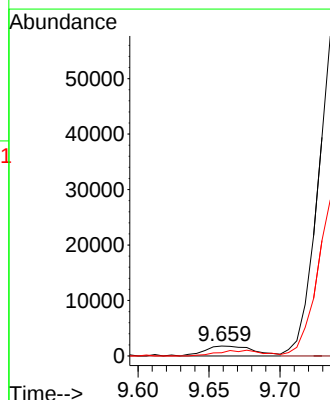
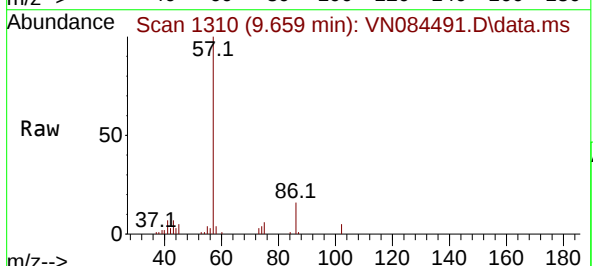
Tgt Ion: 41 Resp: 4298

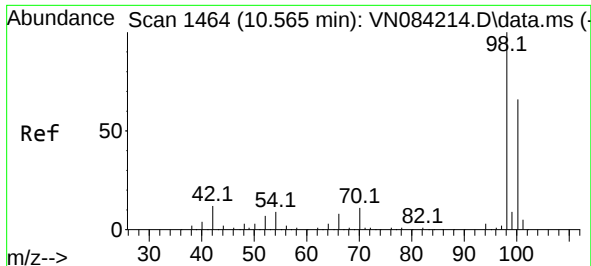
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 51.2 45.8 68.6

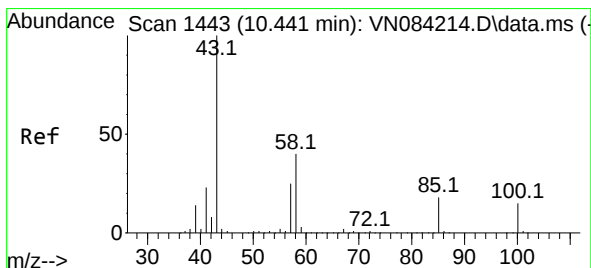
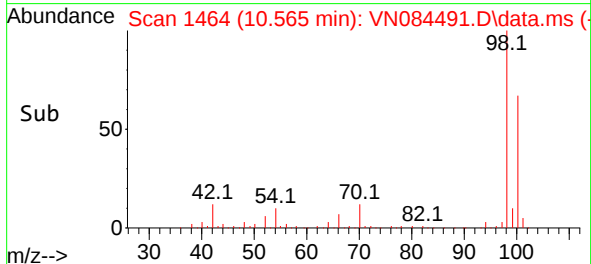
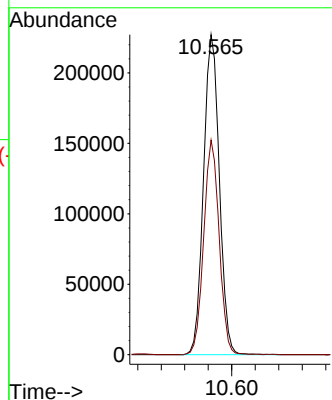
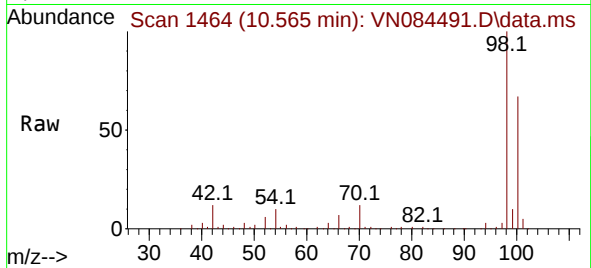




#50
Toluene-d8
Concen: 49.227 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

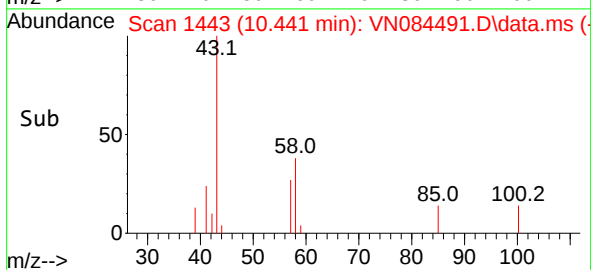
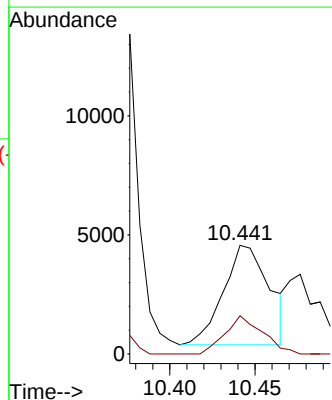
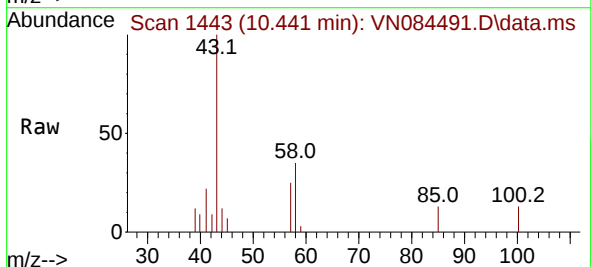
Instrument :
MSVOA_N
ClientSampleId :

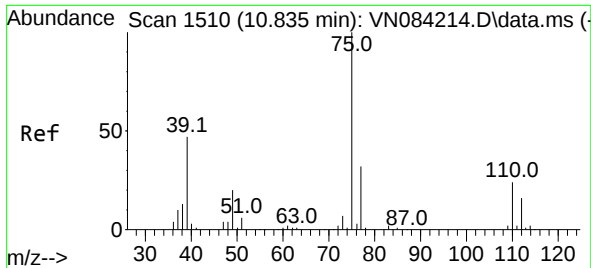
Tgt Ion: 98 Resp: 423961
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.358 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Tgt Ion: 43 Resp: 7830
Ion Ratio Lower Upper
43 100
58 31.4 31.6 47.4#

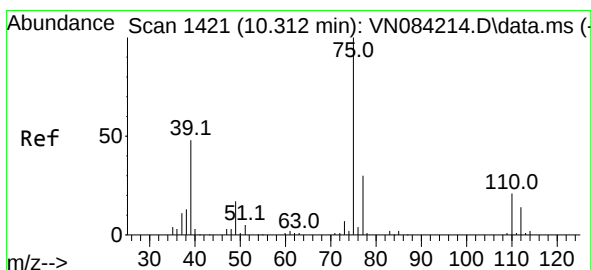
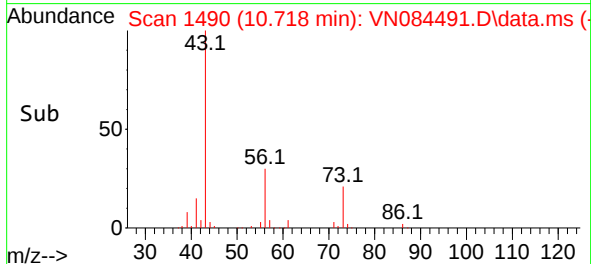
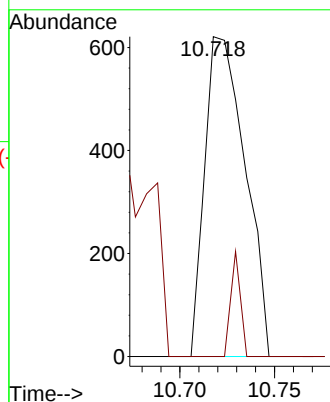
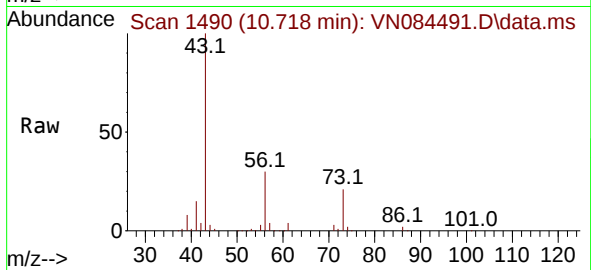




#53
 t-1,3-Dichloropropene
 Concen: 0.241 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN084491.D
 Acq: 24 Oct 2024 16:21

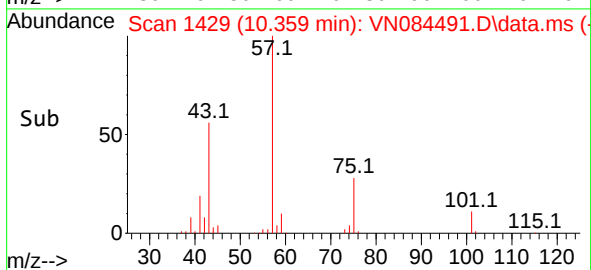
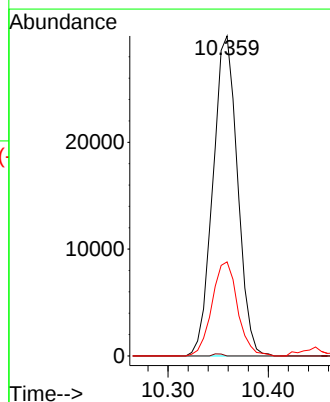
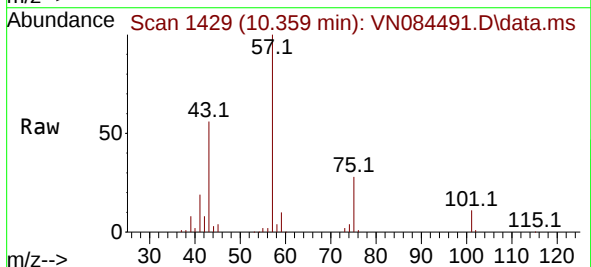
Instrument :
 MSVOA_N
 ClientSampleId :

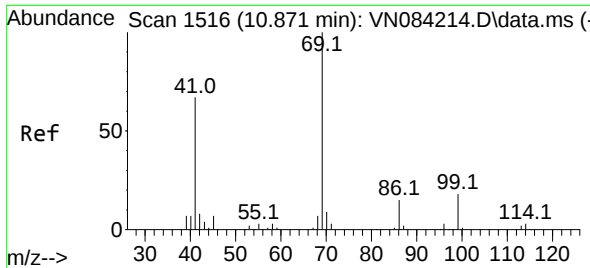
Tgt Ion: 75 Resp: 923
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.385 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084491.D
 Acq: 24 Oct 2024 16:21

Tgt Ion: 75 Resp: 51024
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 29.4 38.7 58.1#

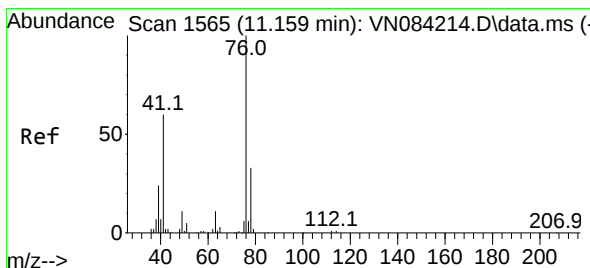
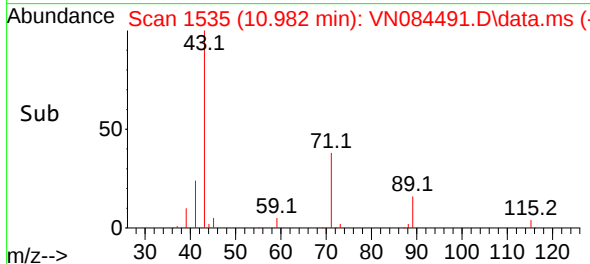
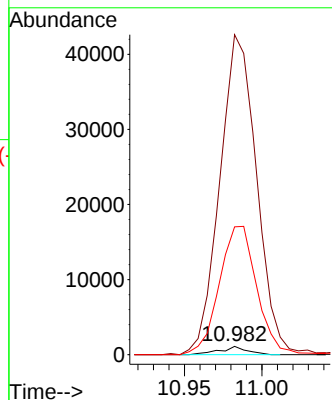
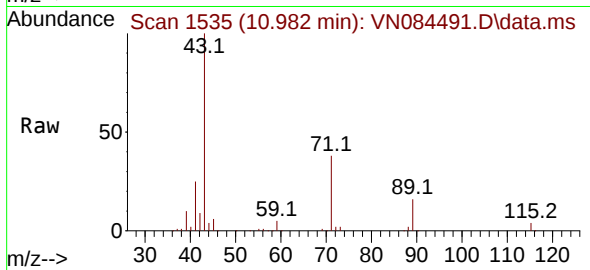




#56
Ethyl methacrylate
Concen: 0.354 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

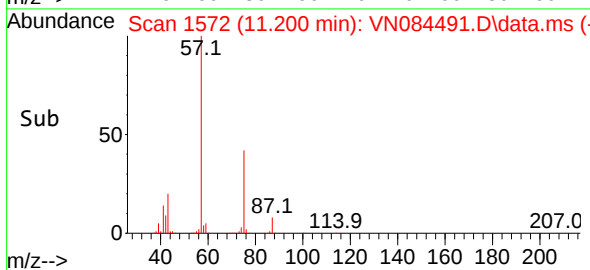
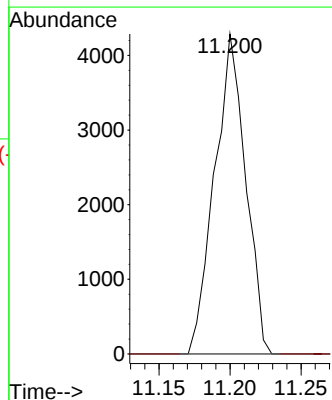
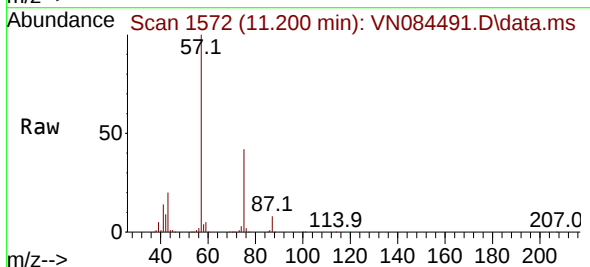
Instrument :
MSVOA_N
ClientSampleId :

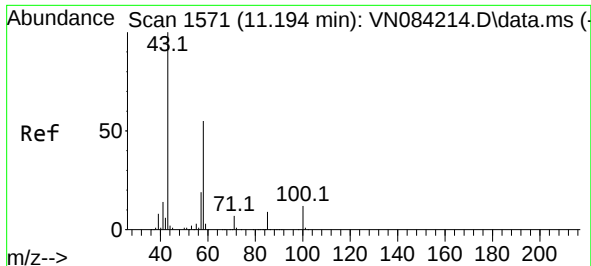
Tgt Ion: 69 Resp: 1348
Ion Ratio Lower Upper
69 100
41 5248.6 53.3 79.9#
39 2138.7 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.577 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Tgt Ion: 76 Resp: 6525
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

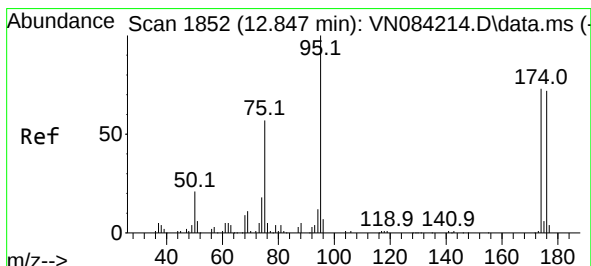
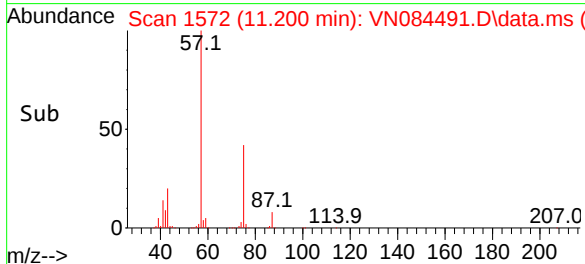
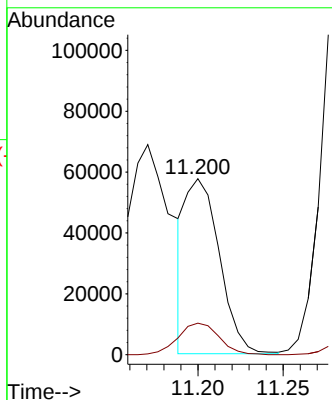
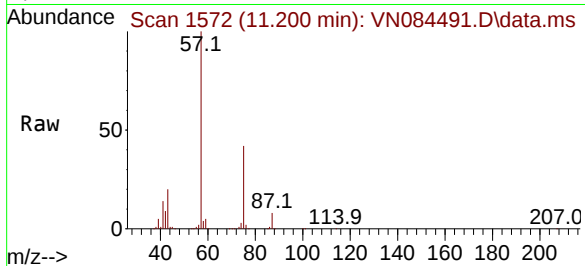




#59
2-Hexanone
Concen: 32.165 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

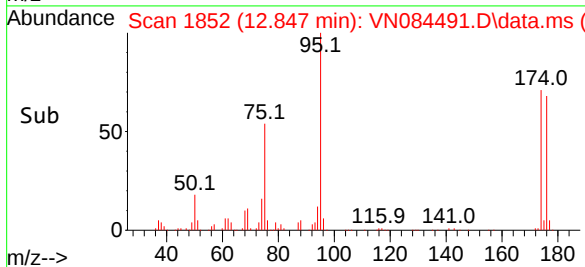
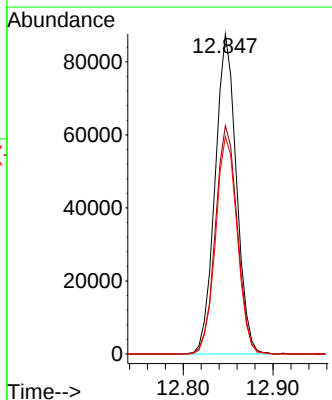
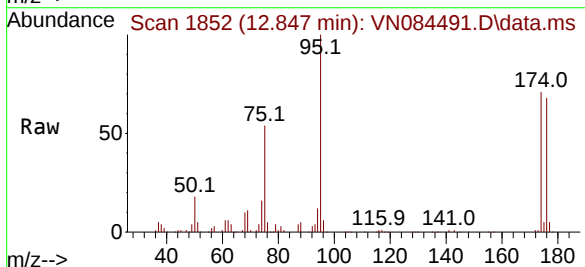
Instrument :
MSVOA_N
ClientSampleId :

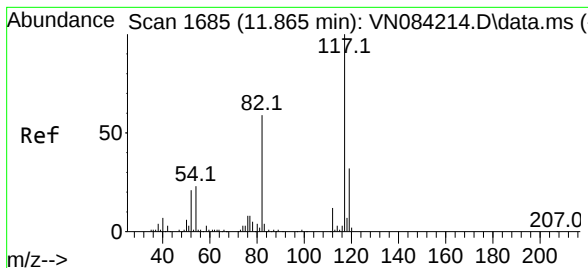
Tgt Ion: 43 Resp: 79832
Ion Ratio Lower Upper
43 100
58 21.8 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 46.032 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

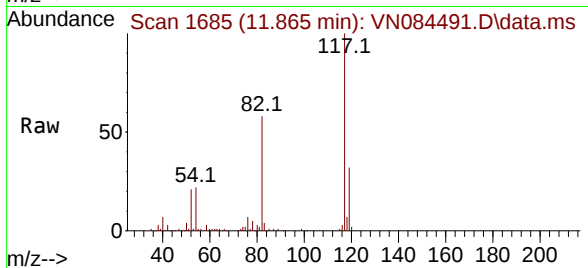
Tgt Ion: 95 Resp: 144427
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 69.0 0.0 140.0



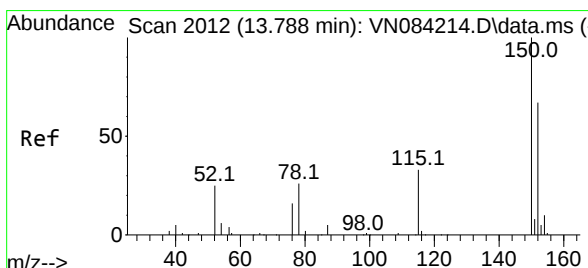
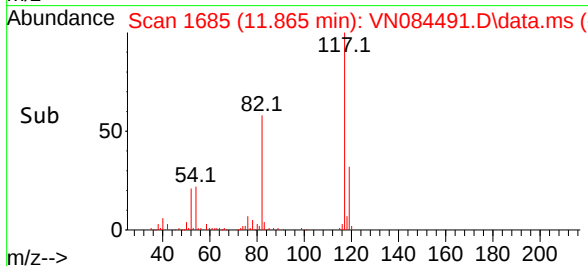
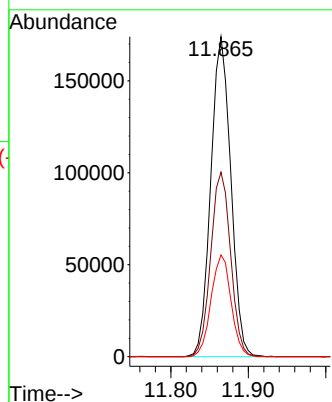


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

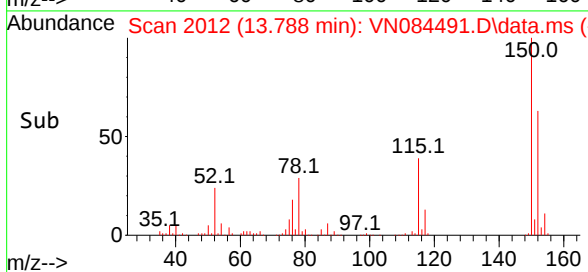
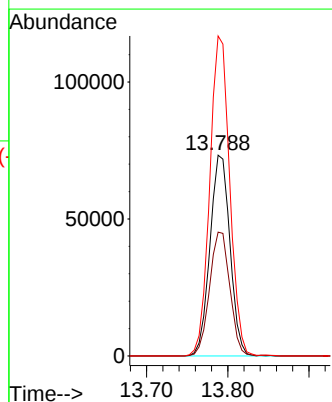
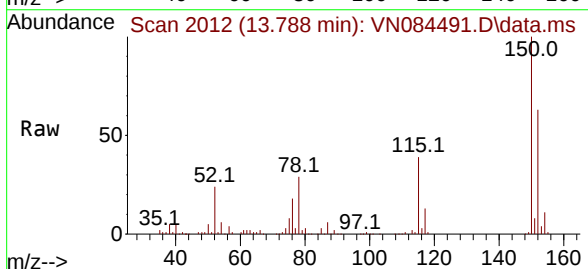


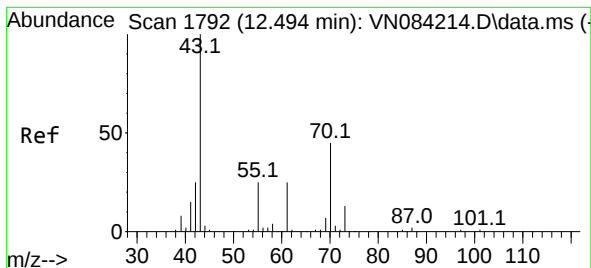
Tgt Ion:117 Resp: 311953
Ion Ratio Lower Upper
117 100
82 57.7 47.2 70.8
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

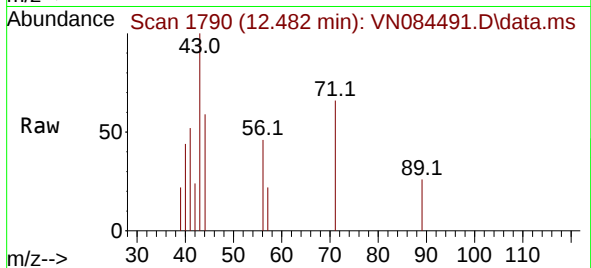
Tgt Ion:152 Resp: 125552
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.9
150 158.7 0.0 349.8



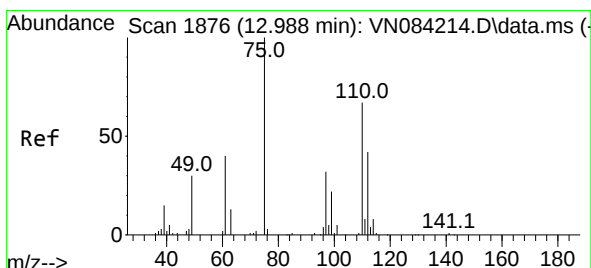
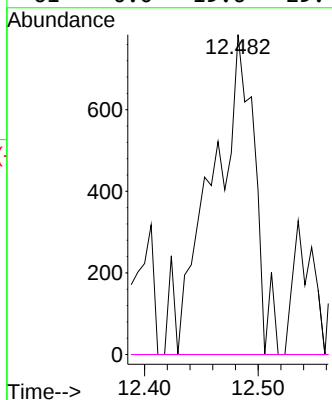
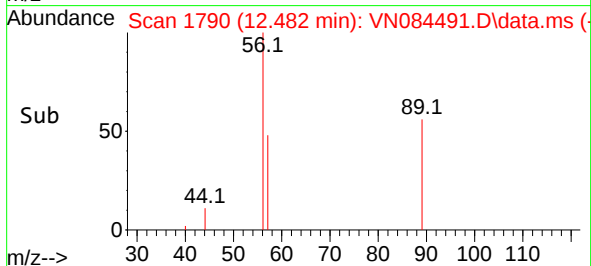


#74
N-amy1 acetate
Concen: 0.460 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

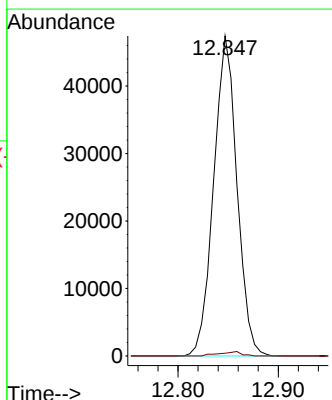
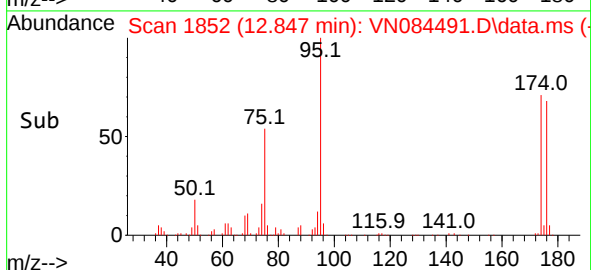
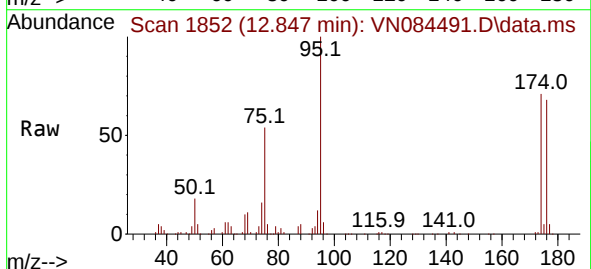


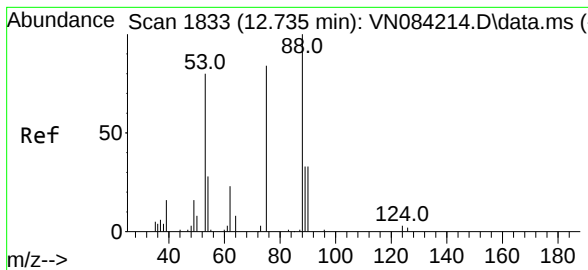
Tgt Ion: 43	Resp:	1994
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.4 51.6#
55	0.0	19.6 29.4#
61	0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 29.832 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

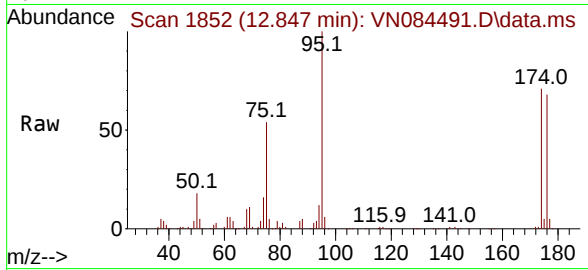
Tgt Ion: 75	Resp:	76466
Ion	Ratio	Lower Upper
75	100	
77	1.3	96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.522 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084491.D
Acq: 24 Oct 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 76466
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

