

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084498.D
 Acq On : 24 Oct 2024 19:09
 Operator : JC\MD
 Sample : P4485-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:06:18 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)

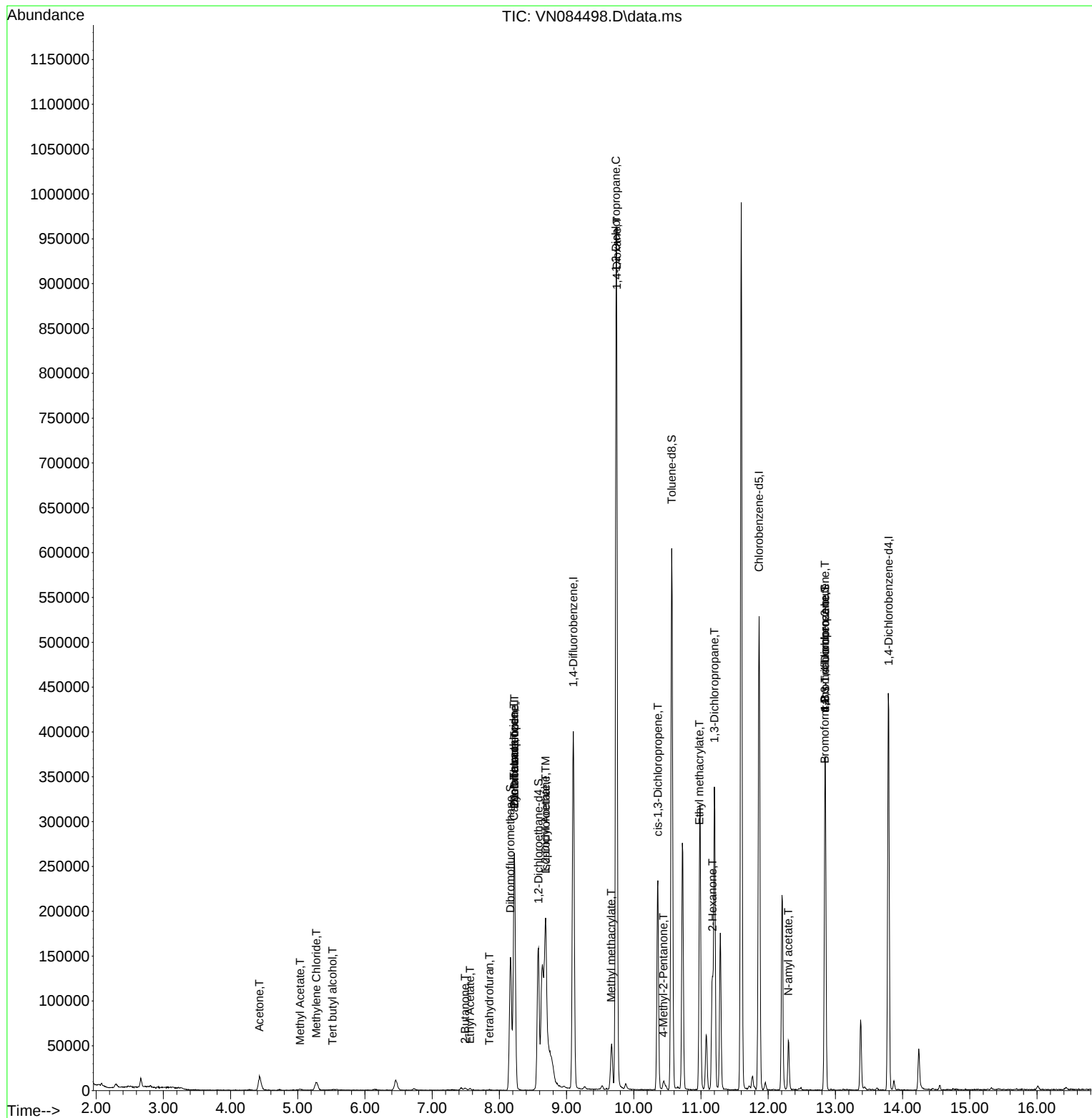
Internal Standards						
1) Pentafluorobenzene	8.224	168	187188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135409	48.789	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.165	113	105554	46.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.680%		
50) Toluene-d8	10.565	98	413205	49.839	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.680%		
62) 4-Bromofluorobenzene	12.847	95	133392	44.163	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.320%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	591	1.291	ug/l #	73
16) Acetone	4.430	43	29287	24.564	ug/l	92
18) Methyl Acetate	5.036	43	2363	0.909	ug/l #	76
20) Methylene Chloride	5.277	84	7120	2.938	ug/l	95
25) 2-Butanone	7.488	43	4202	2.588	ug/l #	72
29) Tetrahydrofuran	7.853	42	739	0.737	ug/l #	40
31) Cyclohexane	8.224	56	4345	1.057	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16084	4.914	ug/l #	51
37) Ethyl Acetate	7.565	43	3050	0.908	ug/l #	83
38) Carbon Tetrachloride	8.218	117	19982	5.565	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1520	0.440	ug/l #	75
43) Isopropyl Acetate	8.688	43	288574	43.873	ug/l #	75
45) 1,2-Dichloropropane	9.735	63	1173	0.486	ug/l #	44
48) Methyl methacrylate	9.665	41	3295	1.258	ug/l #	45
49) 1,4-Dioxane	9.747	88	53	1.100	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	10429	3.262	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	41658	10.504	ug/l #	61
56) Ethyl methacrylate	10.976	69	1391	0.379	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3335	0.837	ug/l #	42
59) 2-Hexanone	11.171	43	149796	62.695	ug/l #	24
71) Bromoform	12.841	173	432	0.258	ug/l #	1
74) N-amyl acetate	12.300	43	16930	4.134	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	69330	28.652	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69330	68.691	ug/l #	11

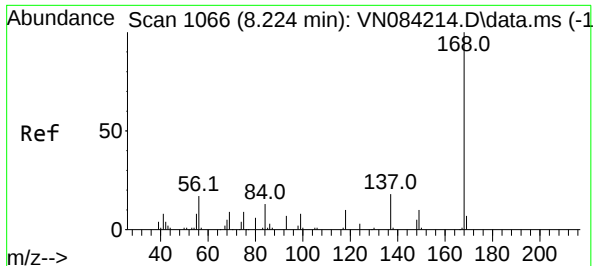
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
Data File : VN084498.D
Acq On : 24 Oct 2024 19:09
Operator : JC\MD
Sample : P4485-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 25 02:06:18 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

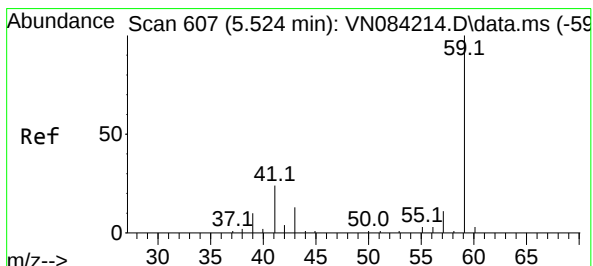
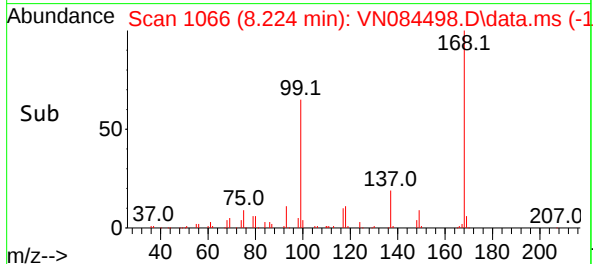
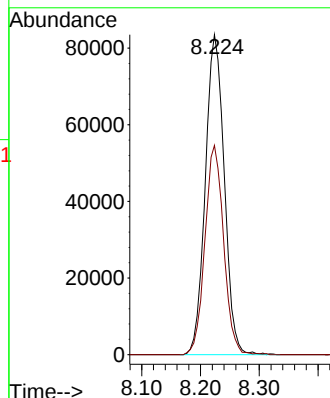
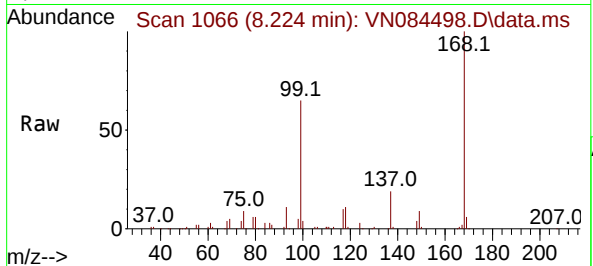




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

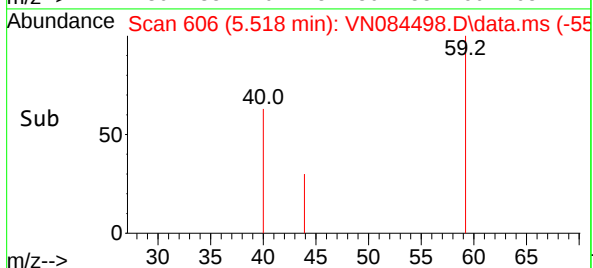
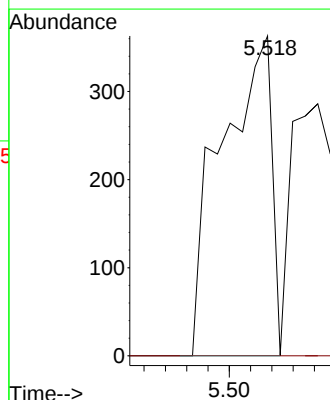
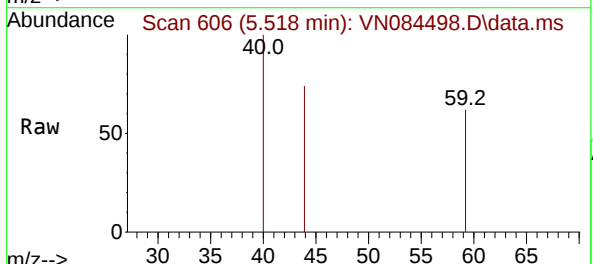
Instrument :
MSVOA_N
ClientSampleId :

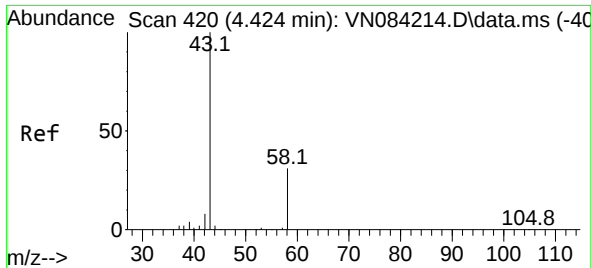
Tgt Ion:168 Resp: 187188
Ion Ratio Lower Upper
168 100
99 65.4 54.2 81.2



#11
Tert butyl alcohol
Concen: 1.291 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

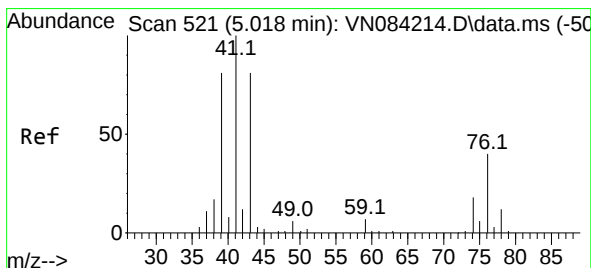
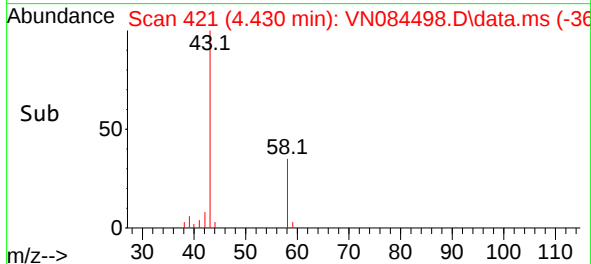
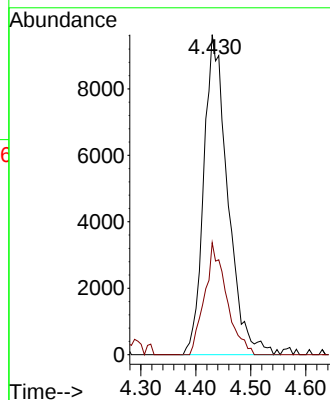
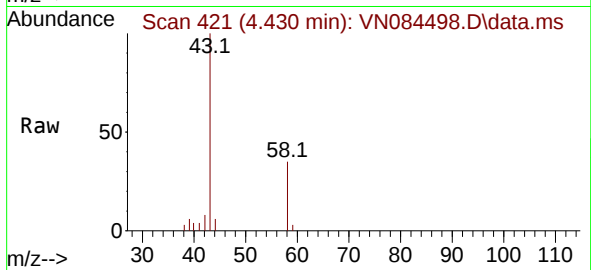




#16
Acetone
Concen: 24.564 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

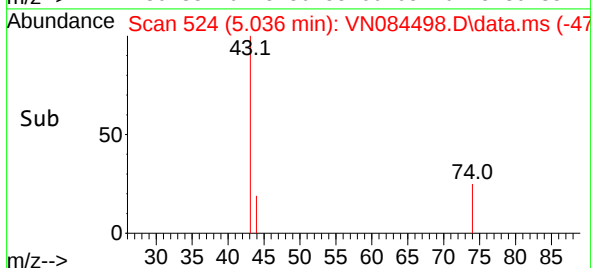
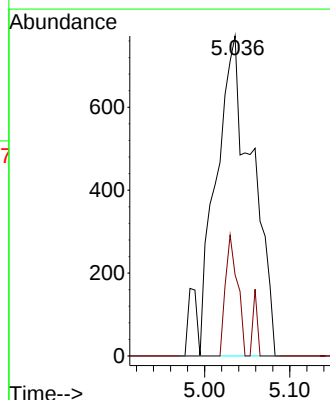
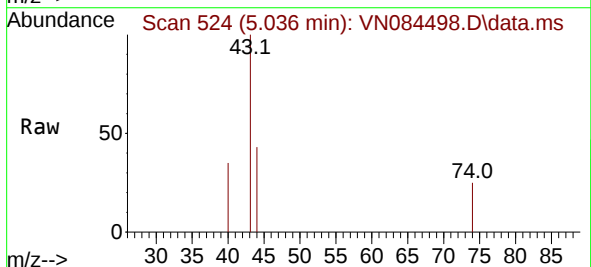
Instrument :
MSVOA_N
ClientSampleId :

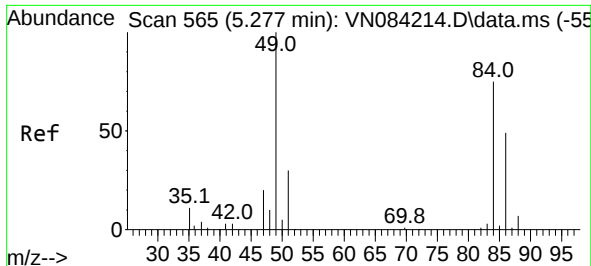
Tgt Ion: 43 Resp: 29287
Ion Ratio Lower Upper
43 100
58 35.0 24.4 36.6



#18
Methyl Acetate
Concen: 0.909 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

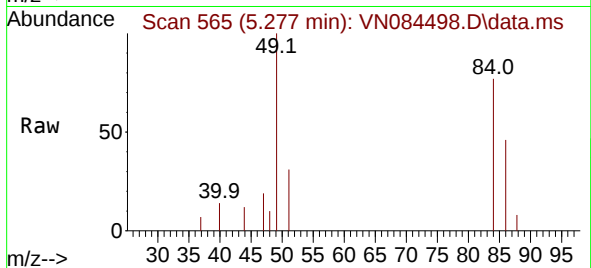
Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
74 12.1 19.2 28.8#



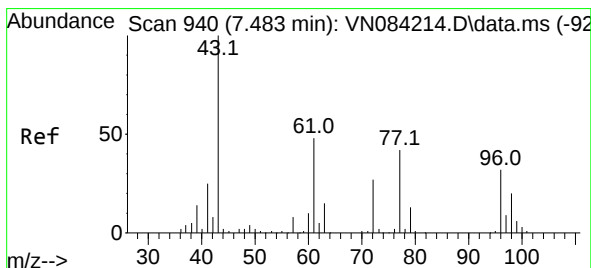
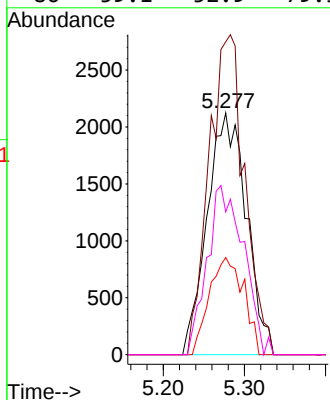
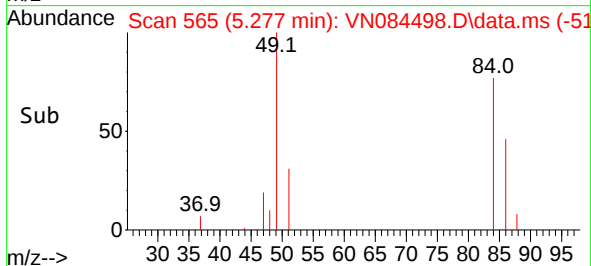


#20
Methylene Chloride
Concen: 2.938 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

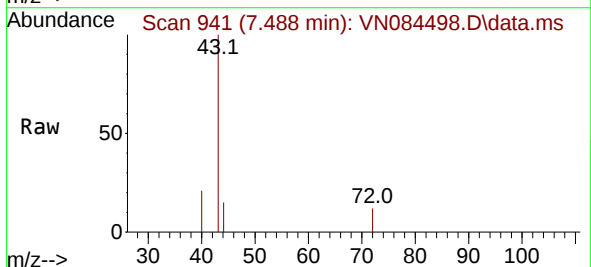
Instrument :
MSVOA_N
ClientSampleId :



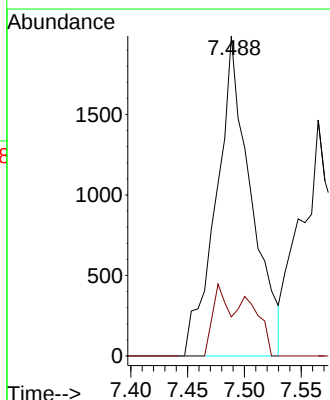
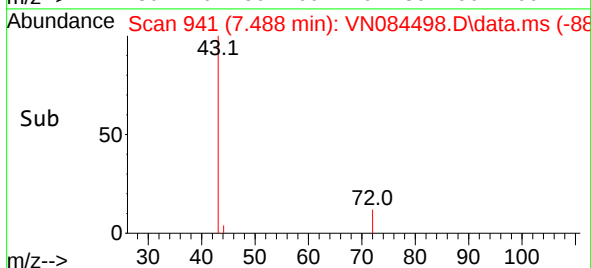
Tgt Ion:	84	Resp:	7120
Ion	Ratio	Lower	Upper
84	100		
49	129.4	107.2	160.8
51	40.2	31.8	47.8
86	59.1	52.9	79.3

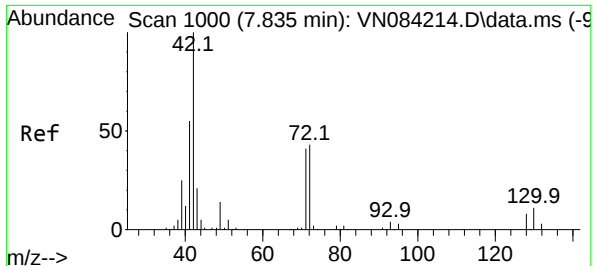


#25
2-Butanone
Concen: 2.588 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09



Tgt Ion:	43	Resp:	4202
Ion	Ratio	Lower	Upper
43	100		
72	12.2	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.737 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

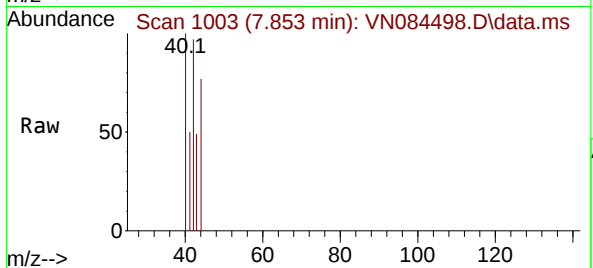
Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

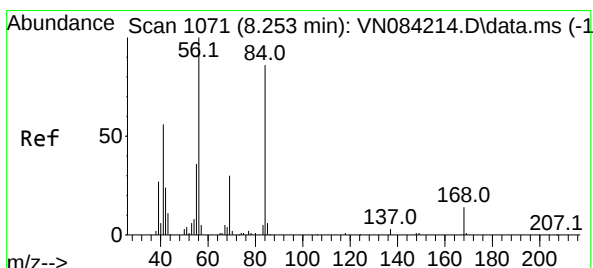
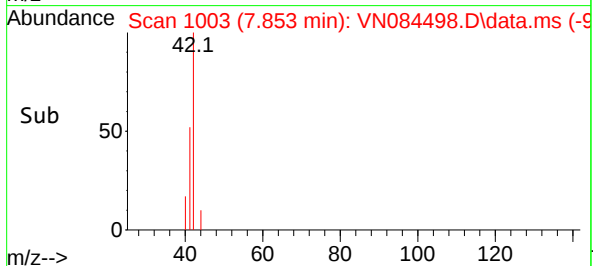
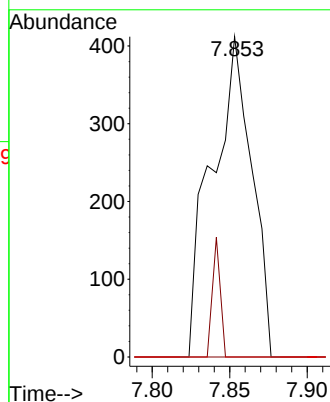
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	739
Ion Ratio	Lower	Upper	
42	100		
72	7.3	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.057 ug/l

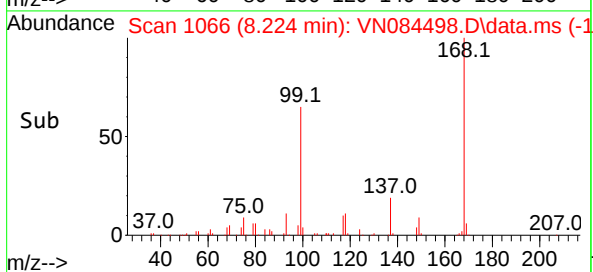
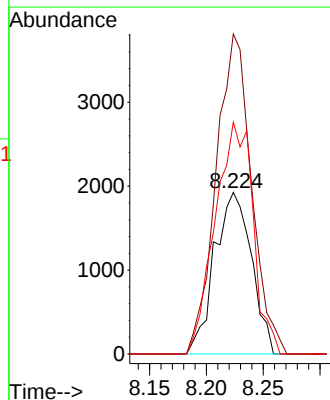
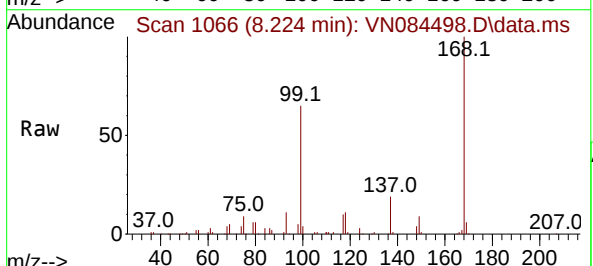
RT: 8.224 min Scan# 1066

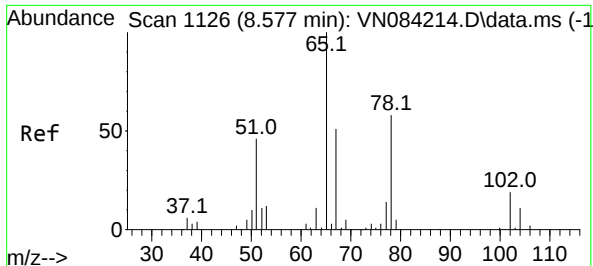
Delta R.T. -0.029 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Tgt Ion:	56	Resp:	4345
Ion Ratio	Lower	Upper	
56	100		
69	198.0	23.8	35.6#
84	143.5	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.789 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Instrument :

MSVOA_N

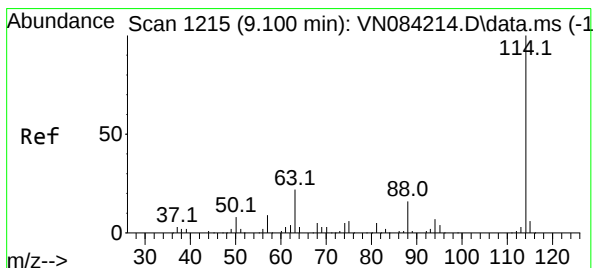
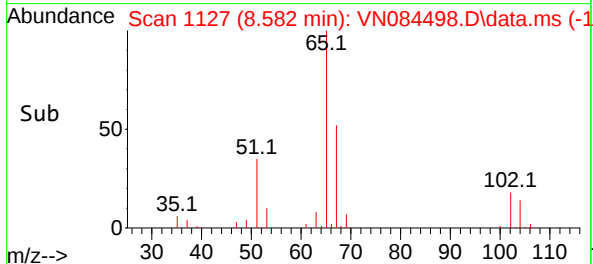
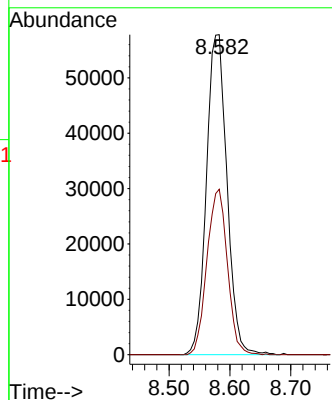
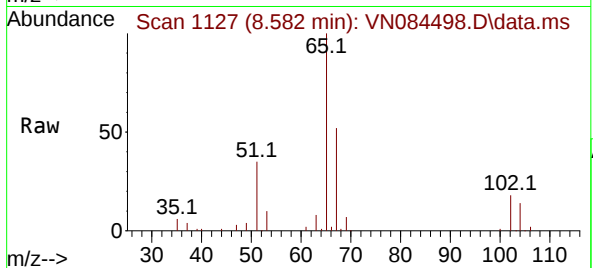
ClientSampleId :

Tgt Ion: 65 Resp: 135409

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

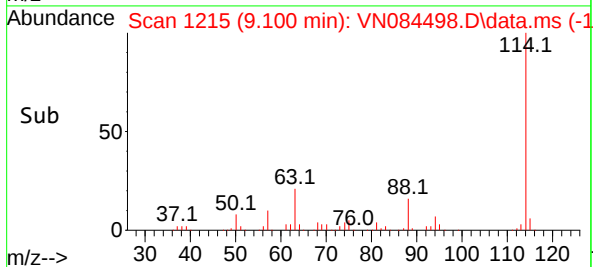
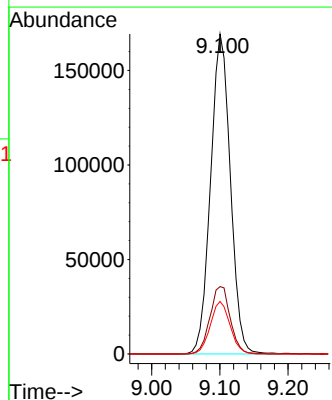
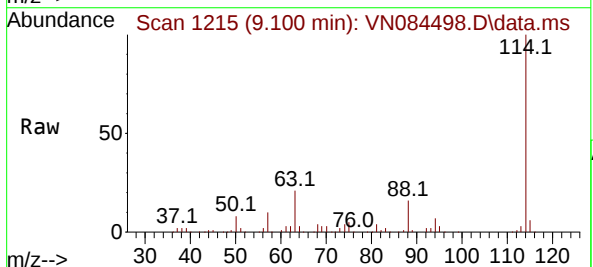
Tgt Ion: 114 Resp: 341818

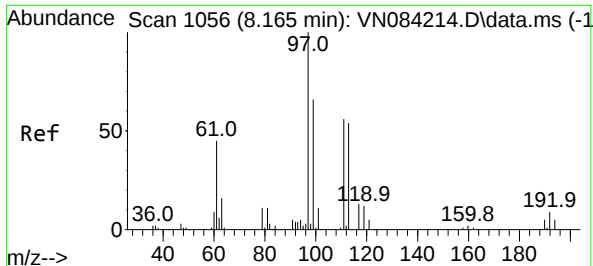
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.840 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

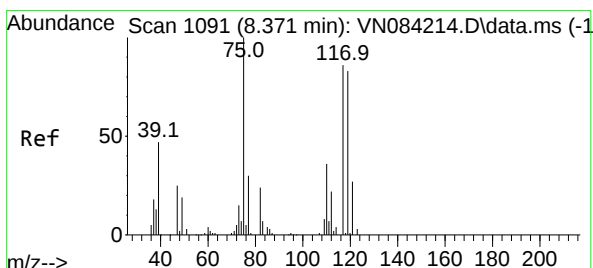
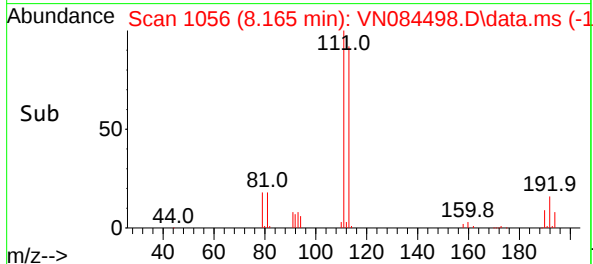
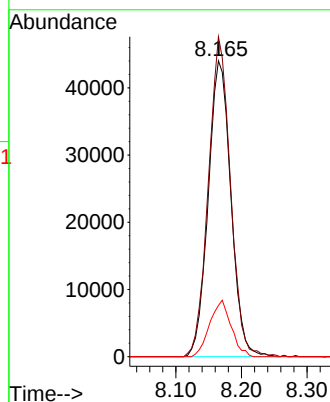
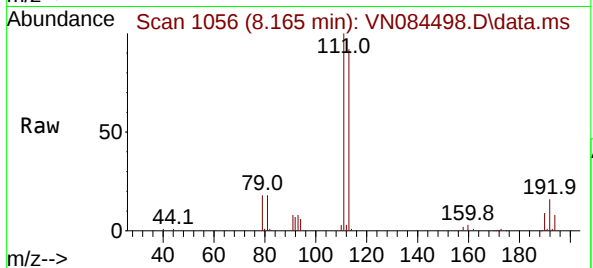
Tgt Ion:113 Resp: 105554

Ion Ratio Lower Upper

113 100

111 105.6 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.914 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

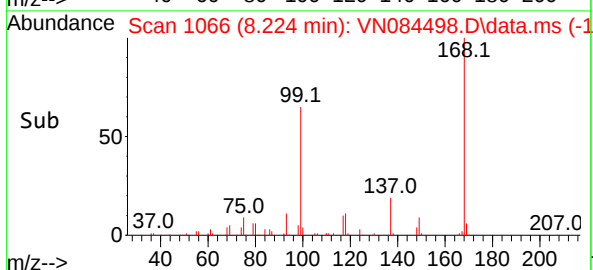
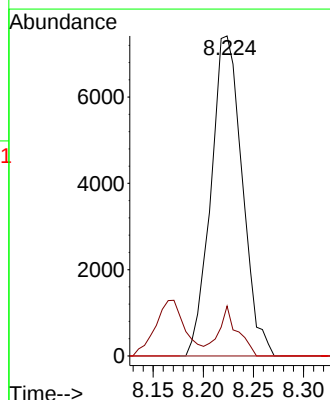
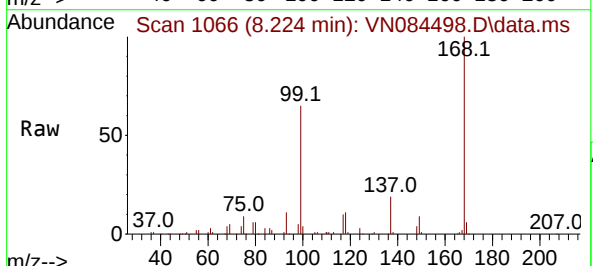
Tgt Ion: 75 Resp: 16084

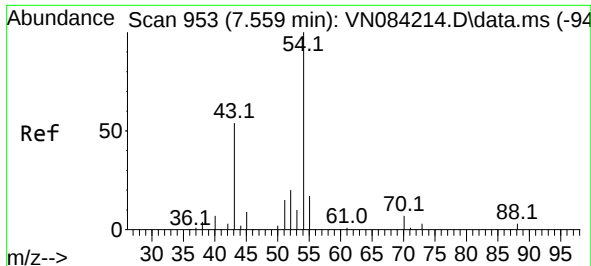
Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

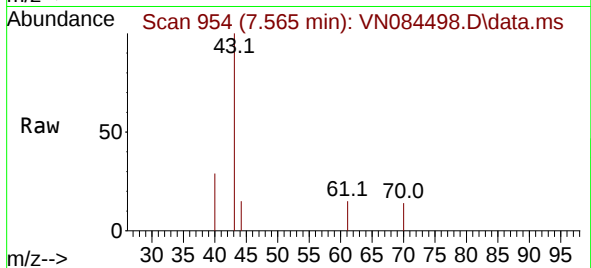
77 0.0 24.7 37.1#



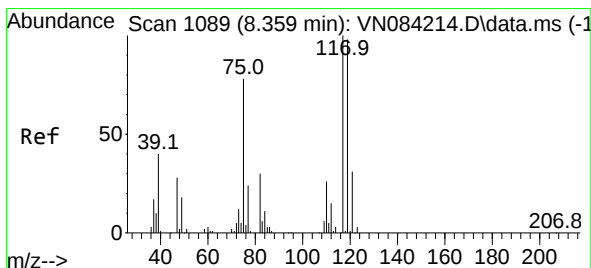
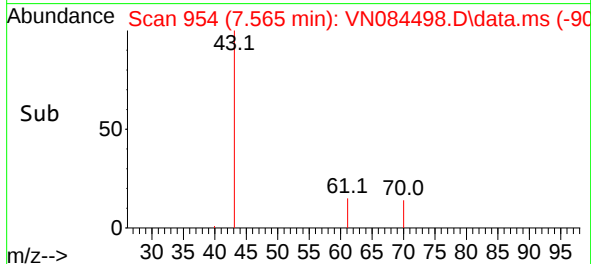
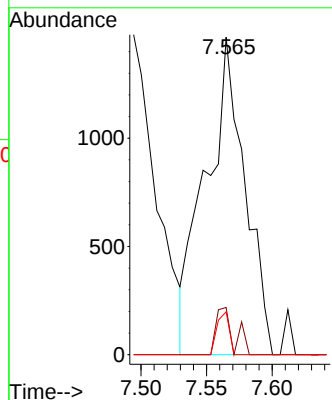


#37
Ethyl Acetate
Concen: 0.908 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :

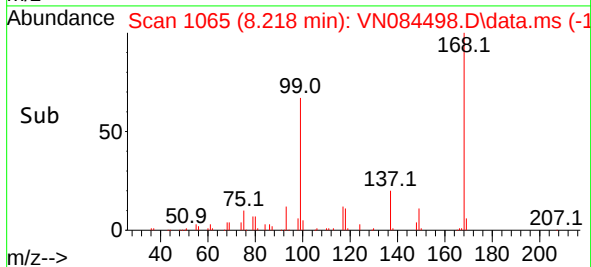
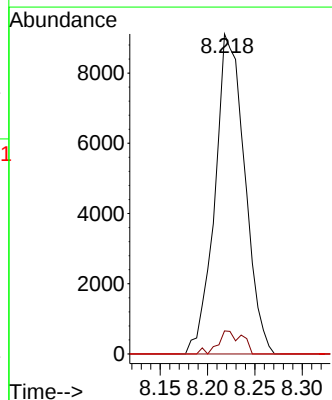
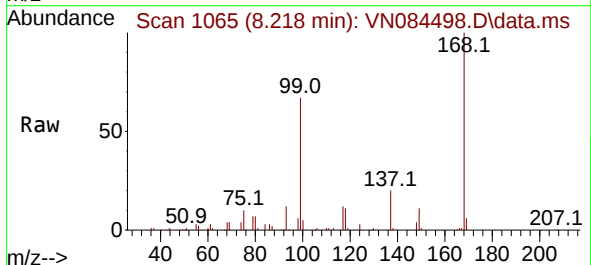


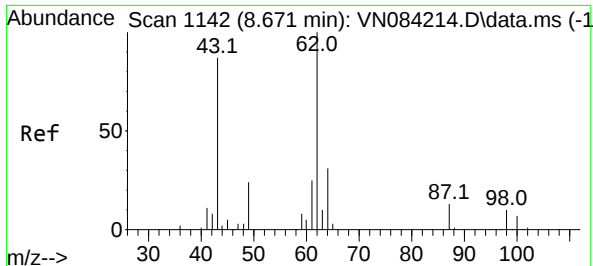
Tgt Ion: 43 Resp: 3050
Ion Ratio Lower Upper
43 100
61 6.7 10.7 16.1#
70 4.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 117 Resp: 19982
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: 0.440 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Instrument :

MSVOA_N

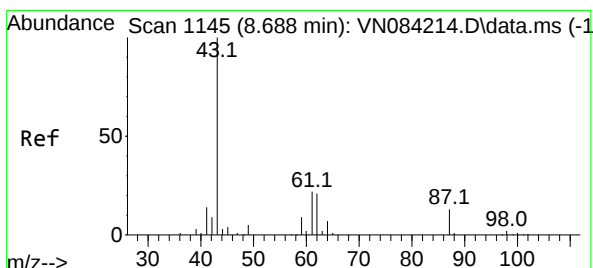
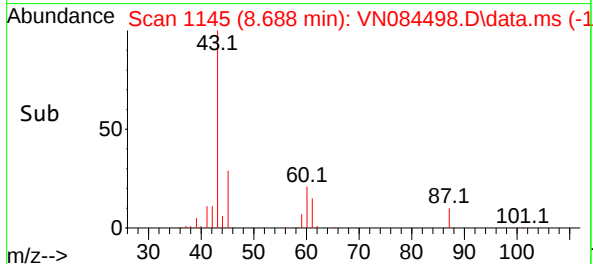
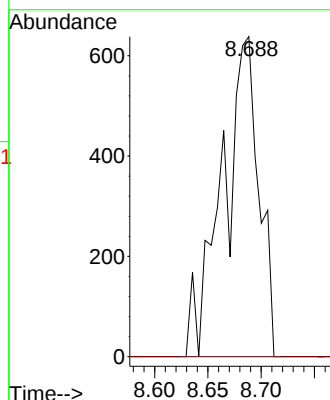
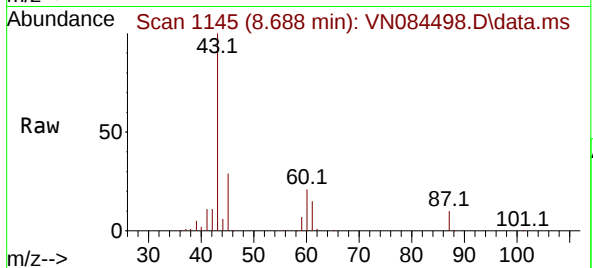
ClientSampleId :

Tgt Ion: 62 Resp: 1520

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 43.873 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

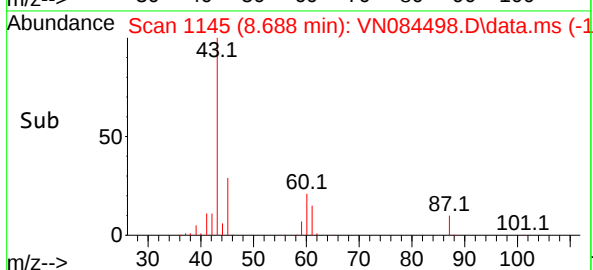
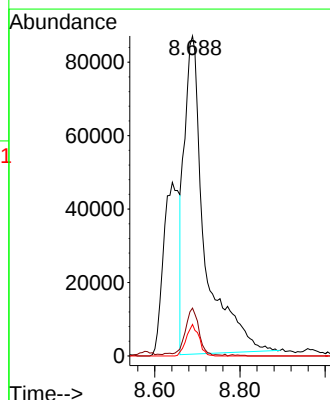
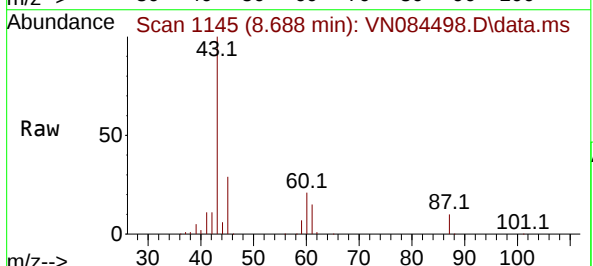
Tgt Ion: 43 Resp: 288574

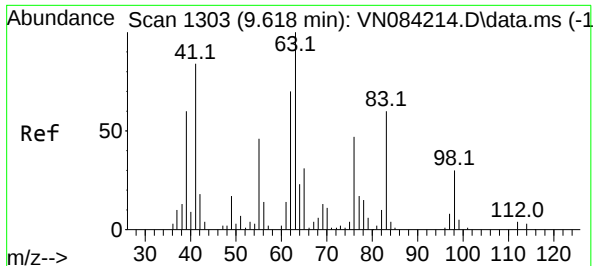
Ion Ratio Lower Upper

43 100

61 10.5 20.4 30.6#

87 6.2 10.3 15.5#

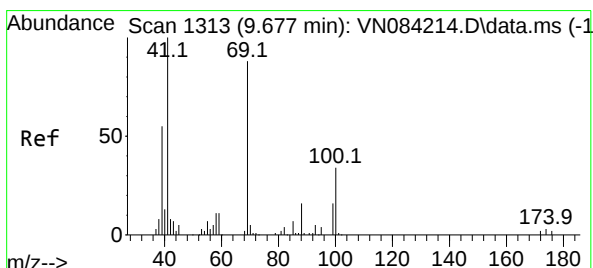
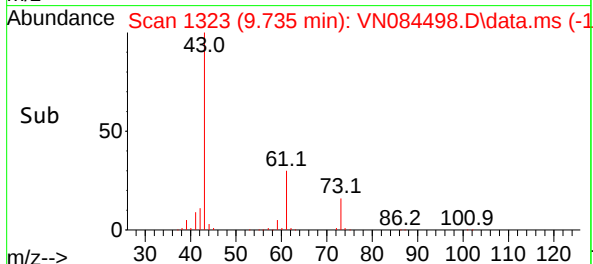
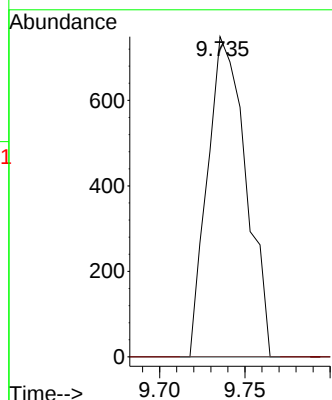
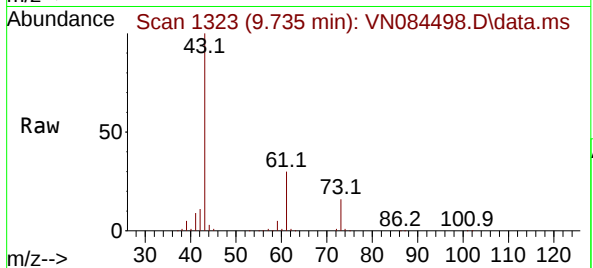




#45
1,2-Dichloropropane
Concen: 0.486 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

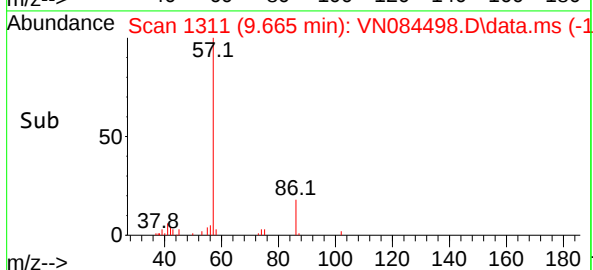
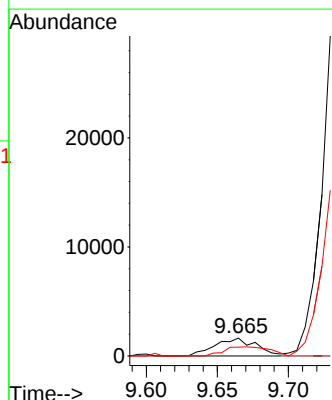
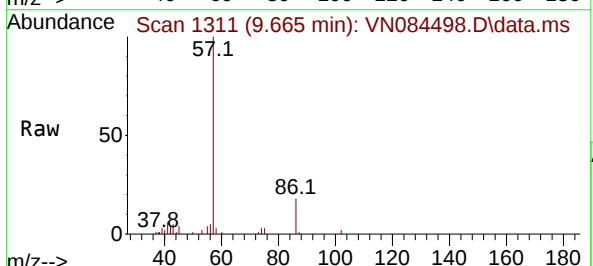
Instrument :
MSVOA_N
ClientSampleId :

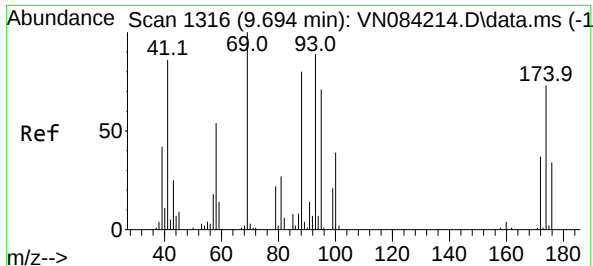
Tgt Ion: 63 Resp: 1173
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.258 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 41 Resp: 3295
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 57.1 45.8 68.6





#49

1,4-Dioxane

Concen: 1.100 ug/l

RT: 9.747 min Scan# 1316

Delta R.T. 0.053 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

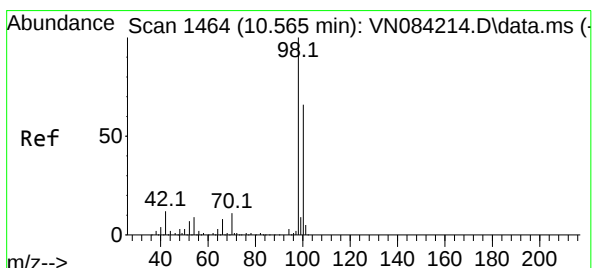
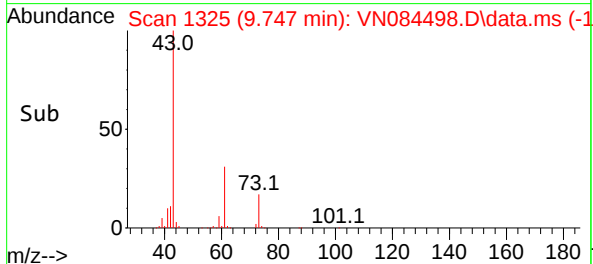
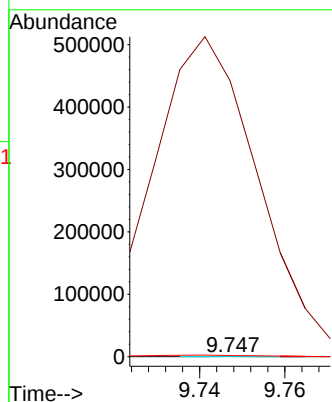
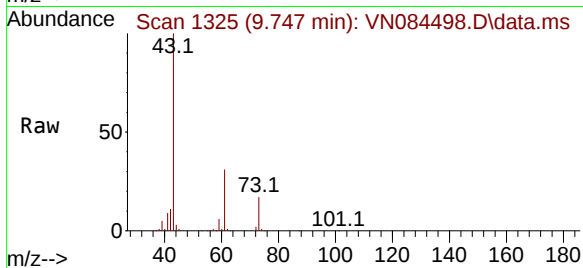
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 1721713.2 25.3 37.9#

58 8883.0 56.4 84.6#



#50

Toluene-d8

Concen: 49.839 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084498.D

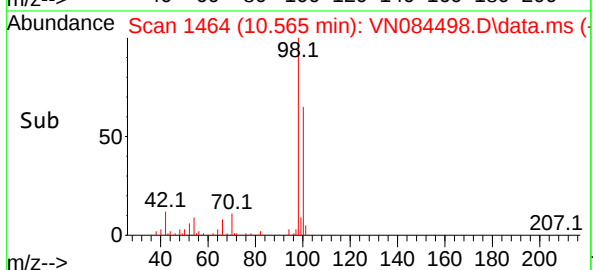
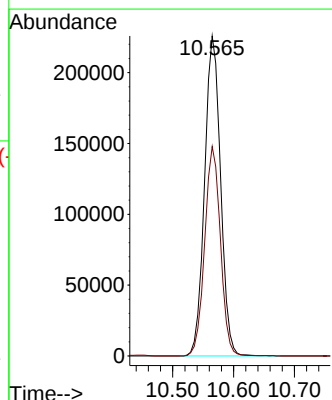
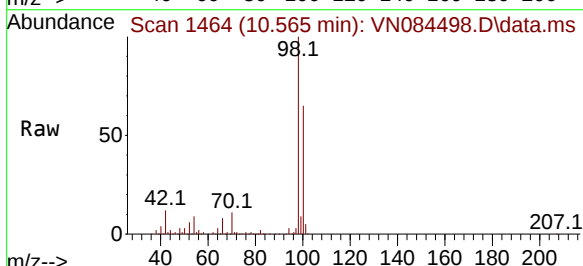
Acq: 24 Oct 2024 19:09

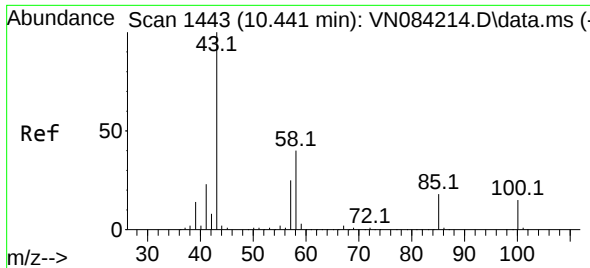
Tgt Ion: 98 Resp: 413205

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1

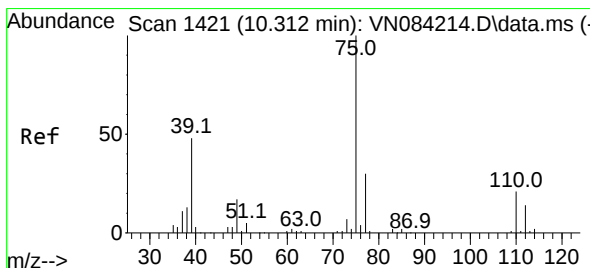
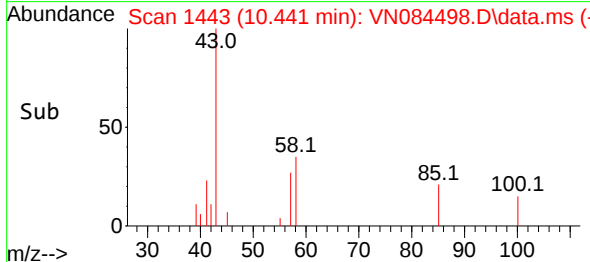
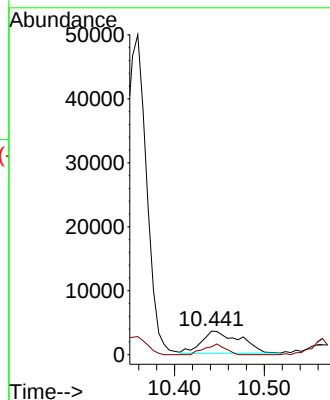
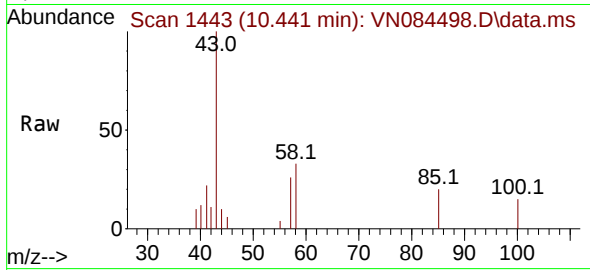




#51
4-Methyl-2-Pentanone
Concen: 3.262 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

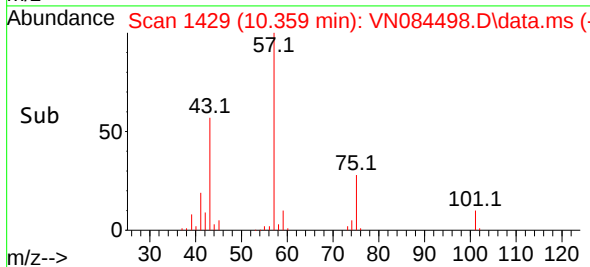
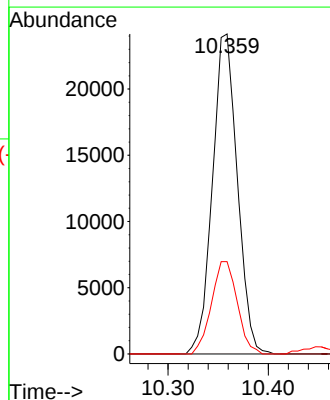
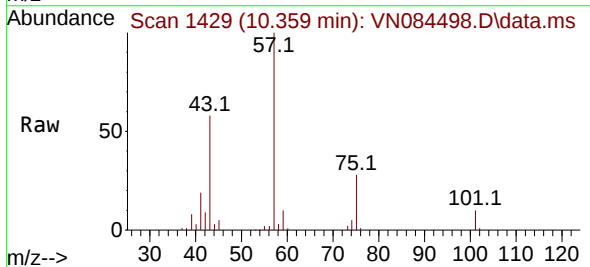
Instrument :
MSVOA_N
ClientSampleId :

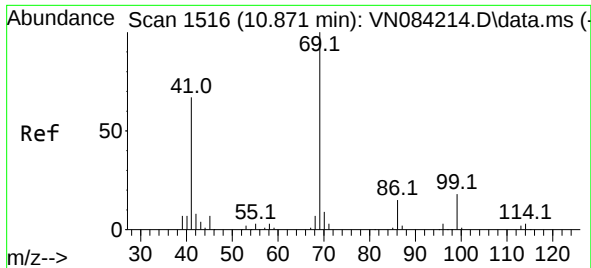
Tgt Ion: 43 Resp: 10429
Ion Ratio Lower Upper
43 100
58 25.6 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 10.504 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 75 Resp: 41658
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.8 38.7 58.1#

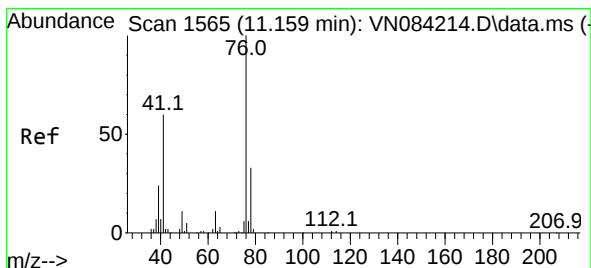
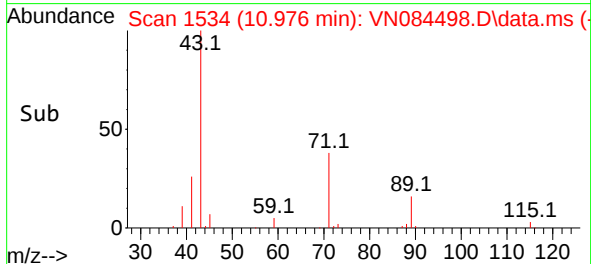
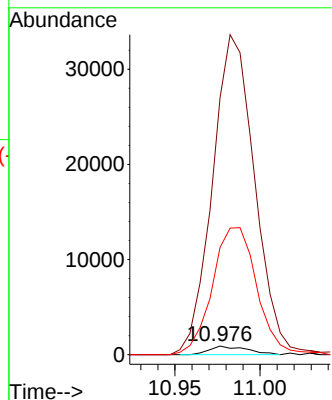
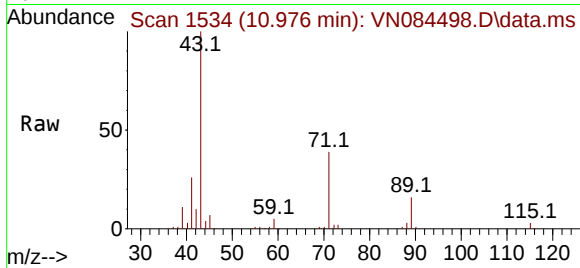




#56
Ethyl methacrylate
Concen: 0.379 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

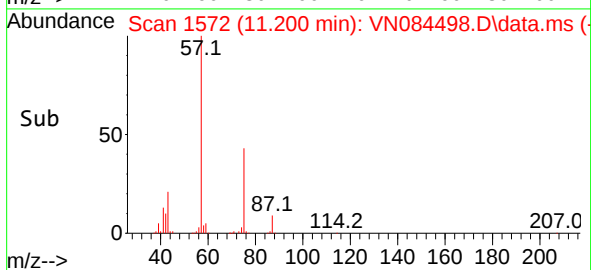
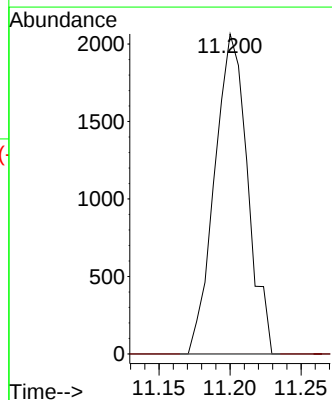
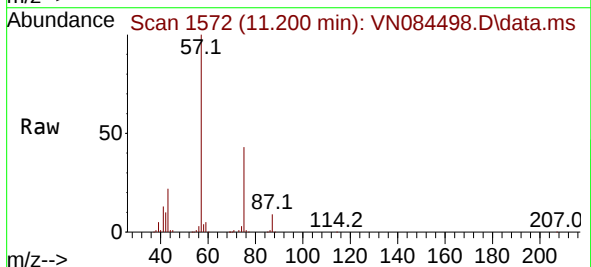
Instrument :
MSVOA_N
ClientSampleId :

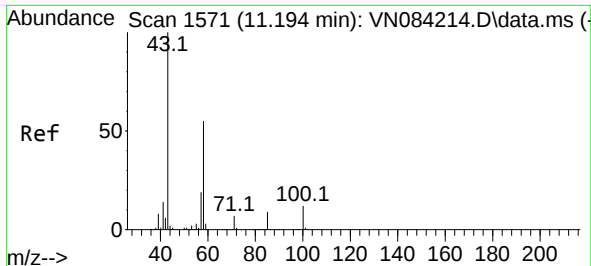
Tgt Ion: 69 Resp: 1391
Ion Ratio Lower Upper
69 100
41 4182.9 53.3 79.9#
39 1748.2 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 0.837 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 76 Resp: 3335
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

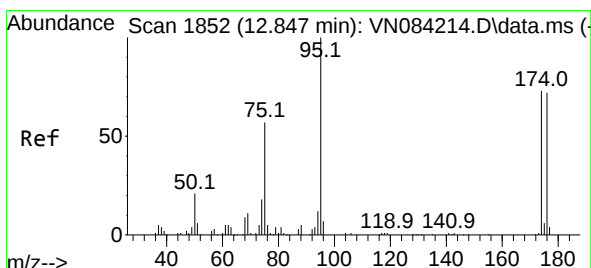
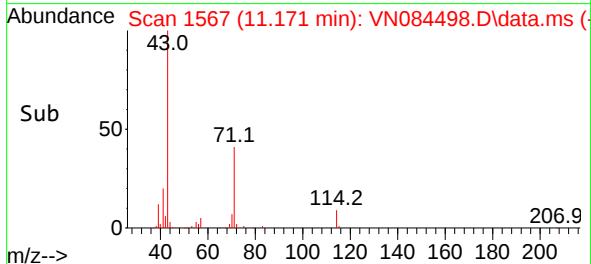
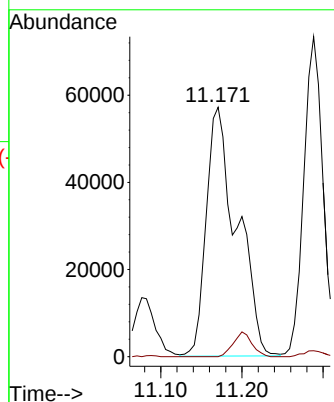
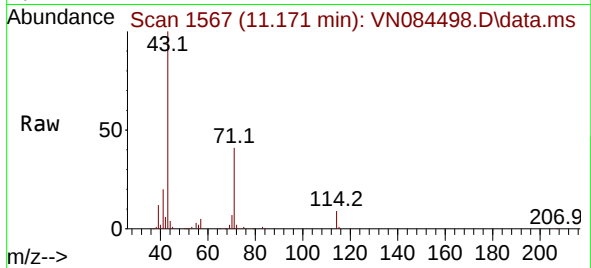




#59
2-Hexanone
Concen: 62.695 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

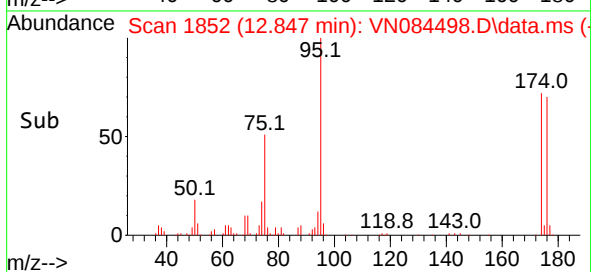
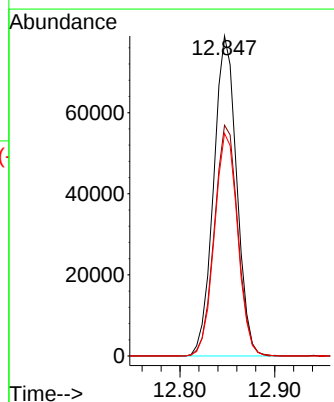
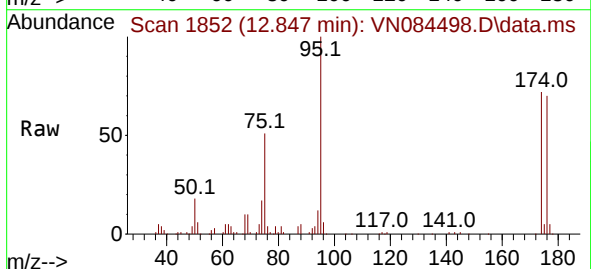
Instrument :
MSVOA_N
ClientSampleId :

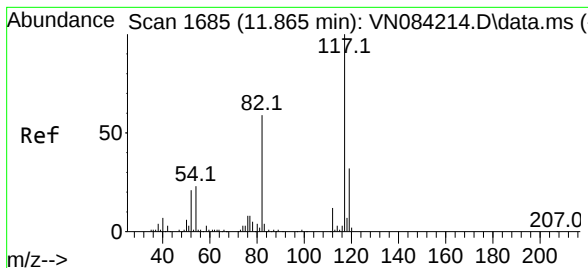
Tgt Ion: 43 Resp: 149796
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 44.163 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 95 Resp: 133392
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.2
176 70.1 0.0 140.0

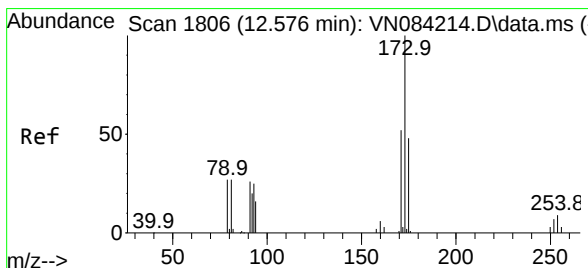
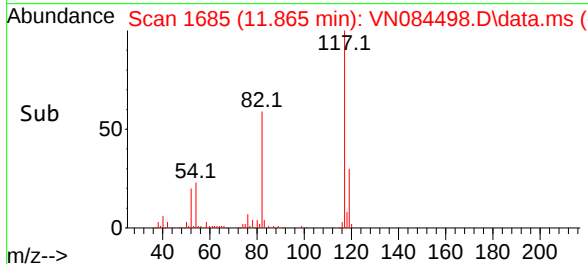
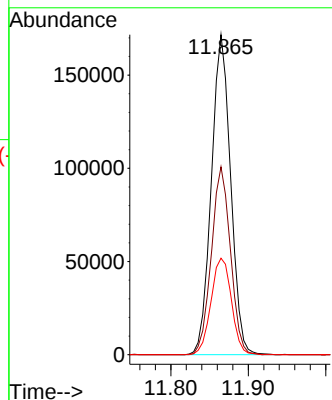
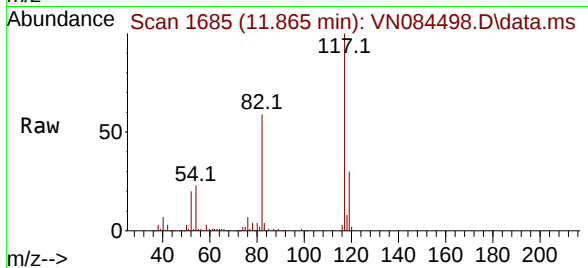




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

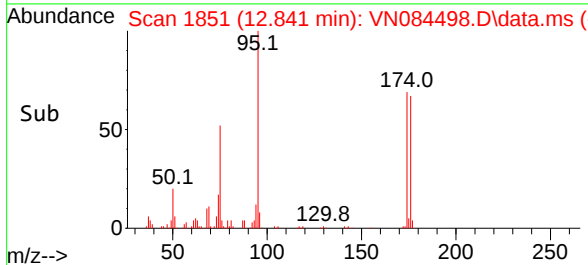
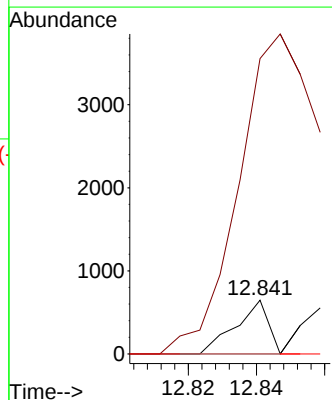
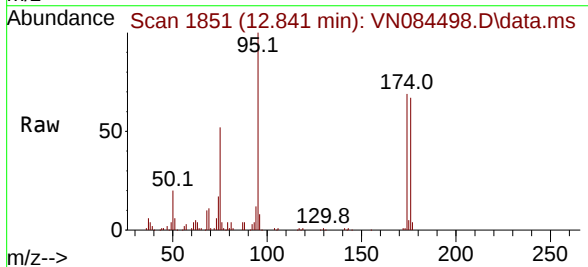
Instrument :
MSVOA_N
ClientSampleId :

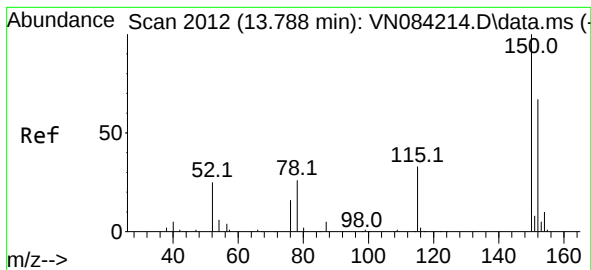
Tgt Ion:117 Resp: 297305
Ion Ratio Lower Upper
117 100
82 58.7 47.2 70.8
119 30.1 25.4 38.0



#71
Bromoform
Concen: 0.258 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion:173 Resp: 432
Ion Ratio Lower Upper
173 100
175 1169.9 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

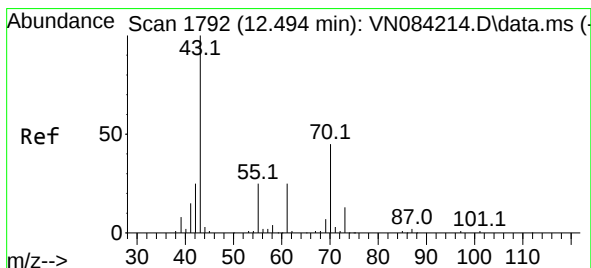
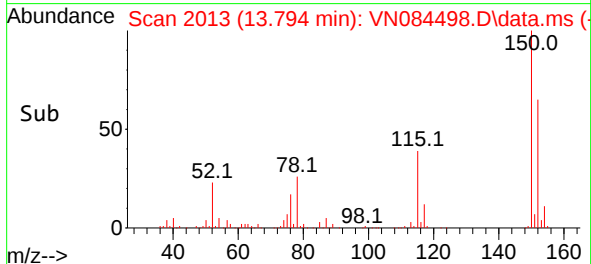
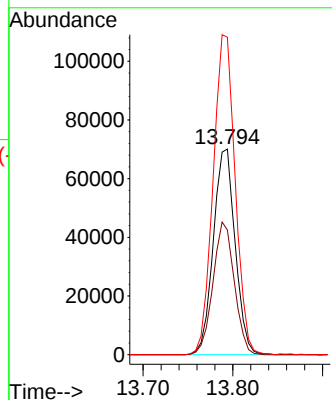
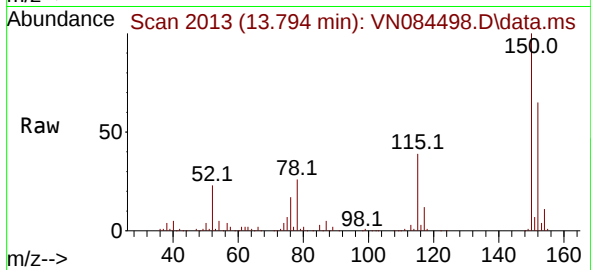
Tgt Ion:152 Resp: 118527

Ion Ratio Lower Upper

152 100

115 63.0 31.3 93.9

150 157.0 0.0 349.8



#74

N-ethyl acetate

Concen: 4.134 ug/l

RT: 12.300 min Scan# 1759

Delta R.T. -0.194 min

Lab File: VN084498.D

Acq: 24 Oct 2024 19:09

Tgt Ion: 43 Resp: 16930

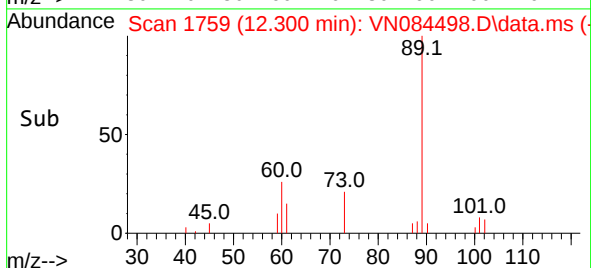
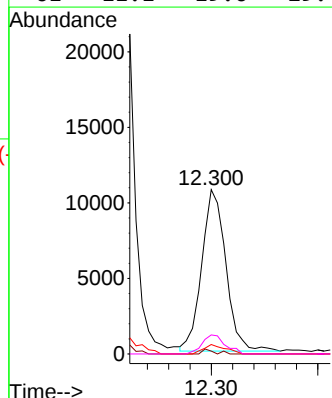
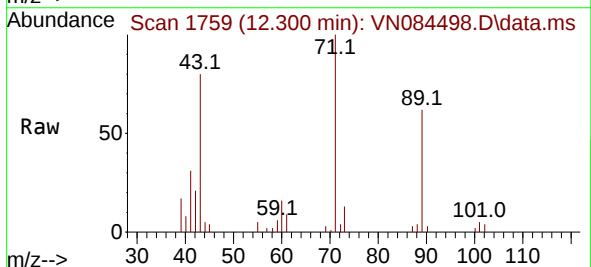
Ion Ratio Lower Upper

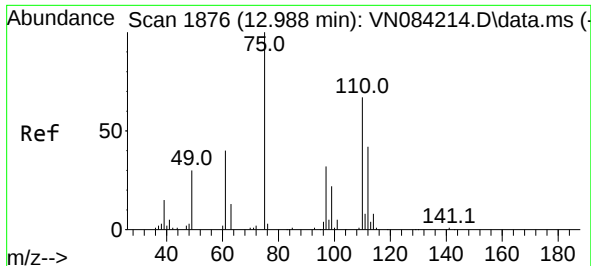
43 100

70 1.5 34.4 51.6#

55 5.3 19.6 29.4#

61 11.1 19.6 29.4#

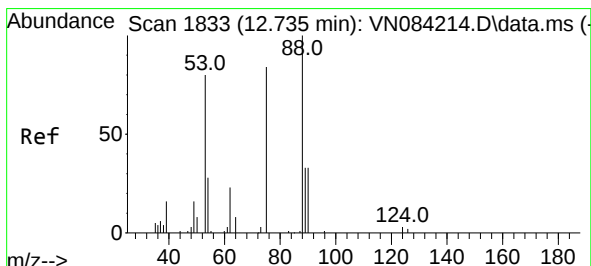
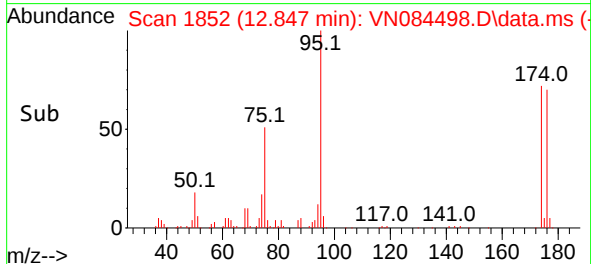
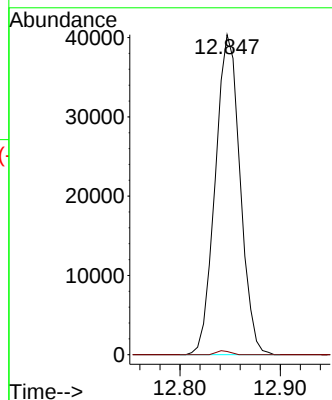
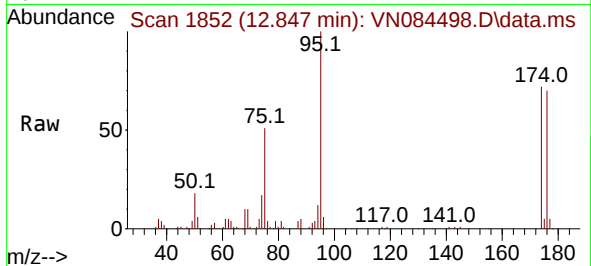




#76
1,2,3-Trichloropropane
Concen: 28.652 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 69330
Ion Ratio Lower Upper
75 100
77 0.7 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084498.D
Acq: 24 Oct 2024 19:09

Tgt Ion: 75 Resp: 69330
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

