

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084494.D
 Acq On : 24 Oct 2024 17:33
 Operator : JC\MD
 Sample : PB164314ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:04:32 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

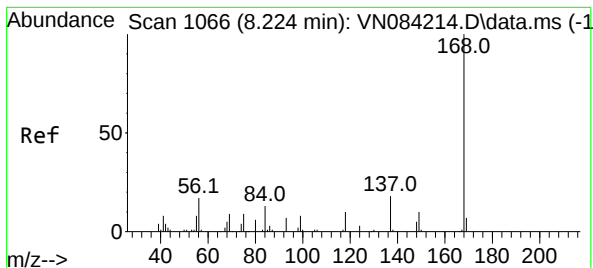
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	193219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	351046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138598	48.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.760%		
35) Dibromofluoromethane	8.165	113	109412	47.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.560%		
50) Toluene-d8	10.565	98	422847	49.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.320%		
62) 4-Bromofluorobenzene	12.847	95	143330	46.206	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	278	0.589	ug/l #	73
16) Acetone	4.436	43	29210	23.735	ug/l	91
18) Methyl Acetate	5.036	43	2499	0.932	ug/l #	74
20) Methylene Chloride	5.271	84	4699	1.878	ug/l #	72
25) 2-Butanone	7.488	43	4323	2.579	ug/l	91
29) Tetrahydrofuran	7.830	42	458	0.443	ug/l #	78
31) Cyclohexane	8.224	56	4805	1.132	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	16754	4.984	ug/l #	50
37) Ethyl Acetate	7.559	43	3603	1.045	ug/l #	83
38) Carbon Tetrachloride	8.224	117	21830	5.920	ug/l #	15
41) Methacrylonitrile	7.853	41	382	0.204	ug/l #	24
42) 1,2-Dichloroethane	8.682	62	1723	0.485	ug/l #	75
43) Isopropyl Acetate	8.688	43	343543	50.857	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1677	0.677	ug/l #	44
48) Methyl methacrylate	9.653	41	3986	1.482	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	6394	1.948	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	959	0.253	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	54043	13.269	ug/l #	61
56) Ethyl methacrylate	10.982	69	1644	0.436	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7155	1.749	ug/l #	42
59) 2-Hexanone	11.170	43	130559	53.207	ug/l #	24
74) N-amyl acetate	12.482	43	1179	0.272	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	74887	29.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74887	70.008	ug/l #	11

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

Quant Time: Oct 25 02:04:32 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

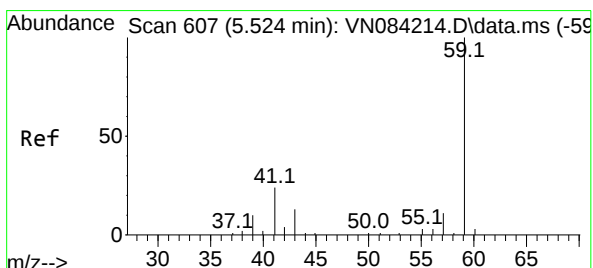
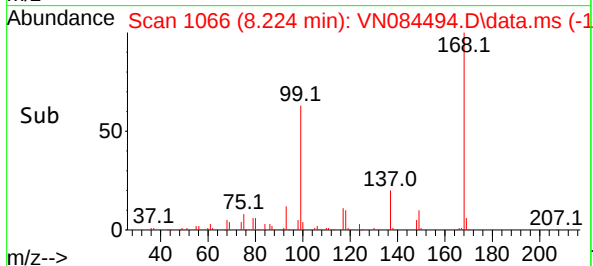
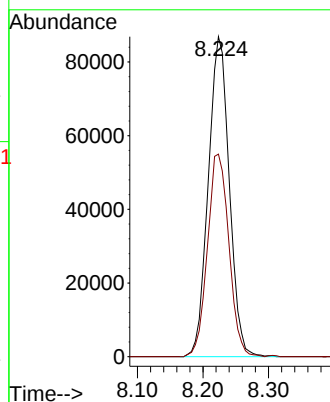
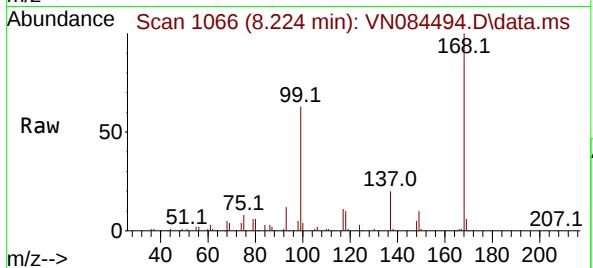




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

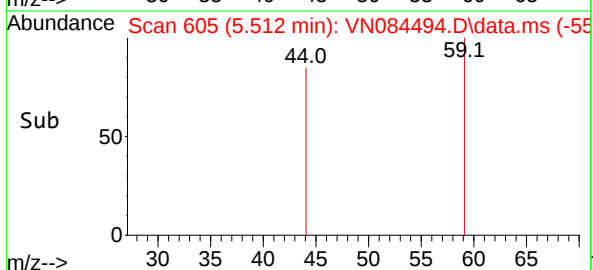
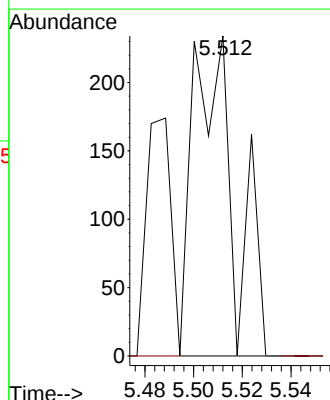
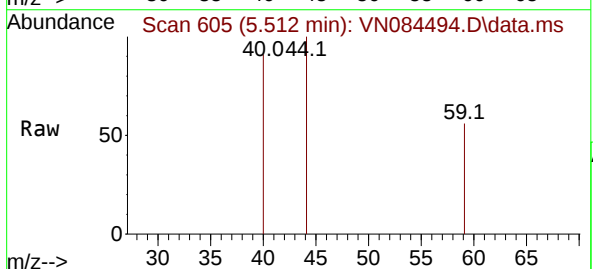
Instrument :
MSVOA_N
ClientSampleId :

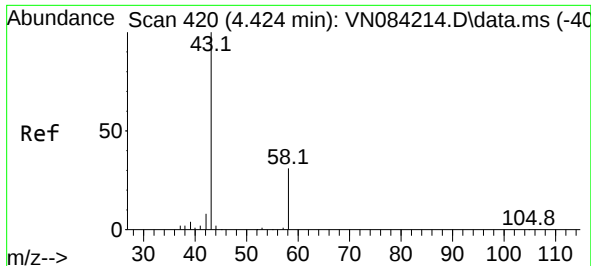
Tgt Ion:168 Resp: 193219
Ion Ratio Lower Upper
168 100
99 63.3 54.2 81.2



#11
Tert butyl alcohol
Concen: 0.589 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Tgt Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

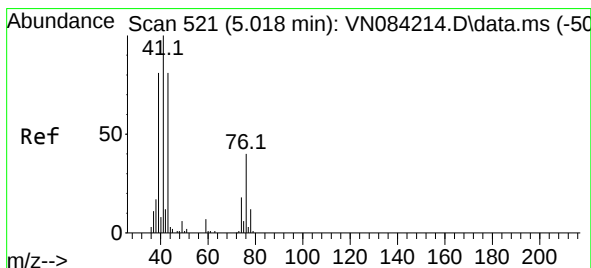
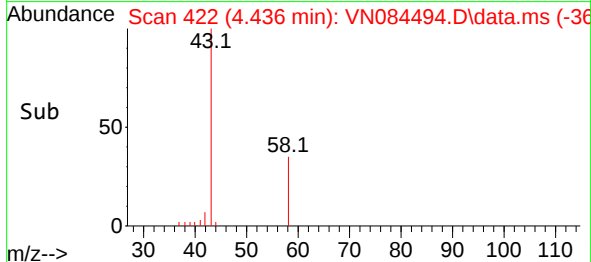
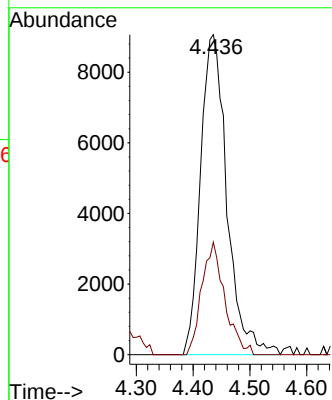
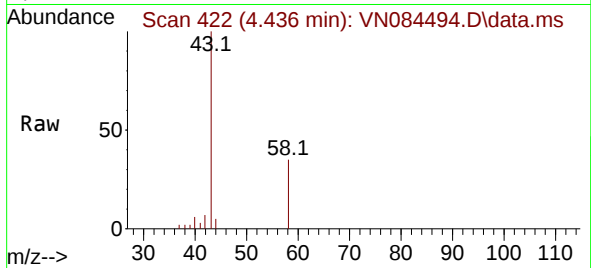




#16
Acetone
Concen: 23.735 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

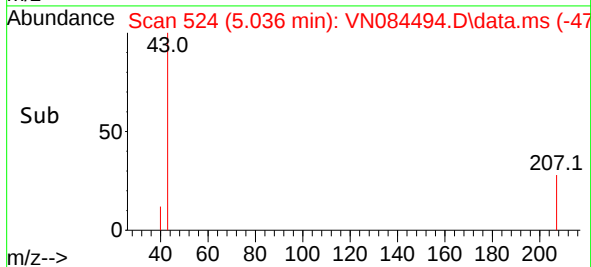
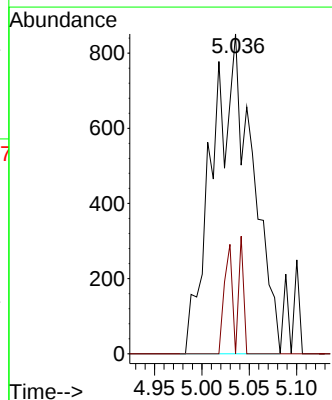
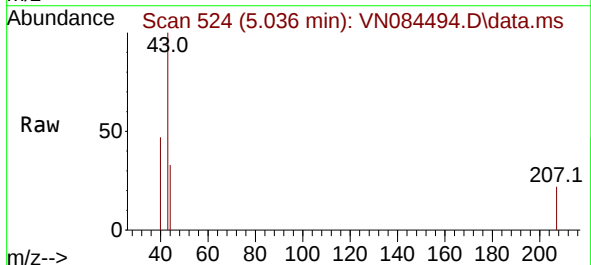
Instrument :
MSVOA_N
ClientSampleId :

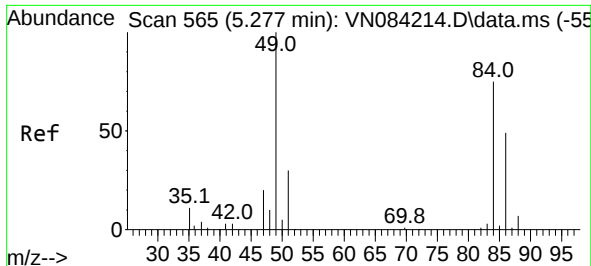
Tgt Ion: 43 Resp: 29210
Ion Ratio Lower Upper
43 100
58 35.2 24.4 36.6



#18
Methyl Acetate
Concen: 0.932 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

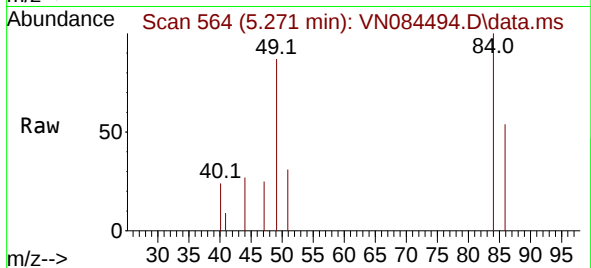
Tgt Ion: 43 Resp: 2499
Ion Ratio Lower Upper
43 100
74 11.2 19.2 28.8#



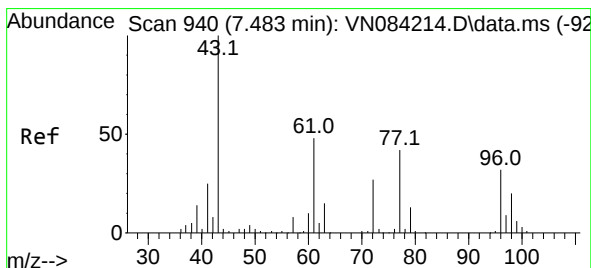
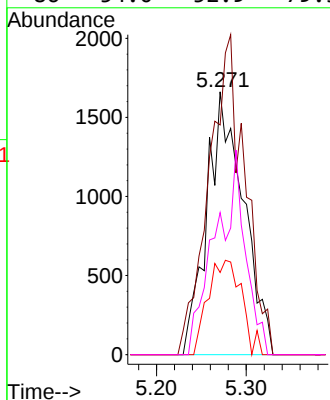
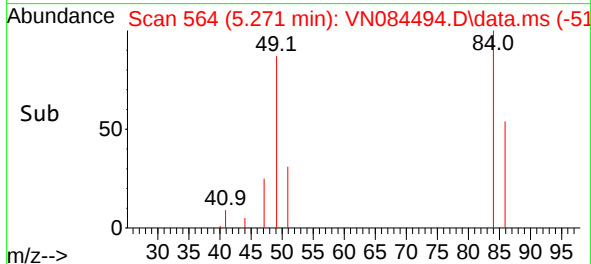


#20
Methylene Chloride
Concen: 1.878 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Instrument :
MSVOA_N
ClientSampled :

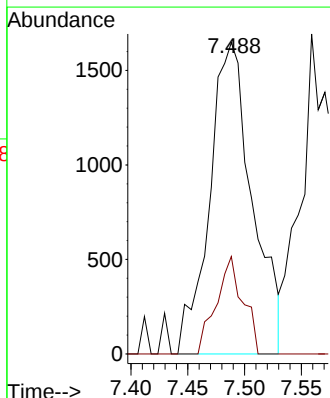
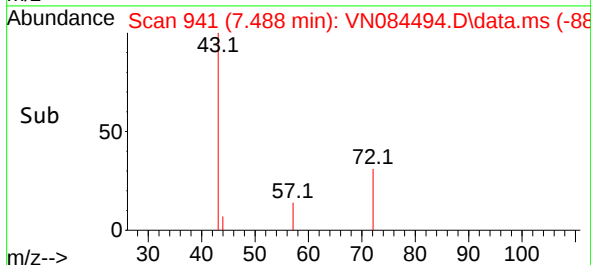
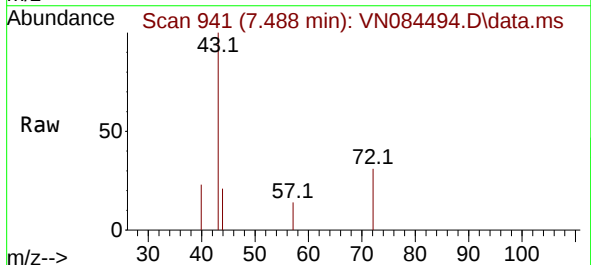


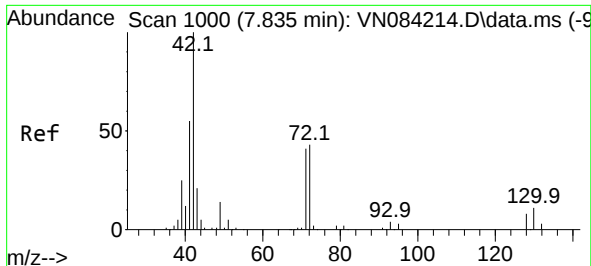
Tgt Ion: 84	Resp: 4699
Ion Ratio	Lower Upper
84	100
49	87.4 107.2 160.8#
51	31.3 31.8 47.8#
86	54.0 52.9 79.3



#25
2-Butanone
Concen: 2.579 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Tgt Ion: 43	Resp: 4323
Ion Ratio	Lower Upper
43	100
72	31.3 21.4 32.2





#29

Tetrahydrofuran

Concen: 0.443 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.006 min

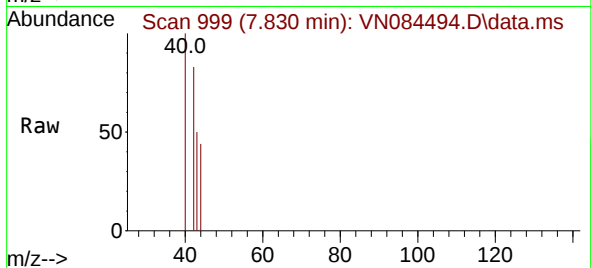
Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

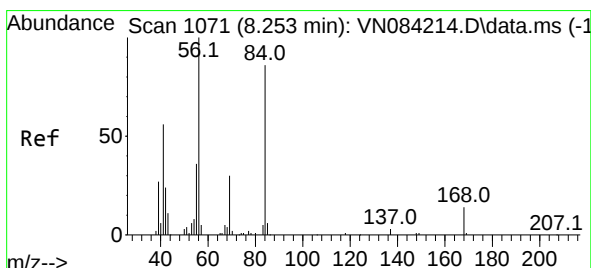
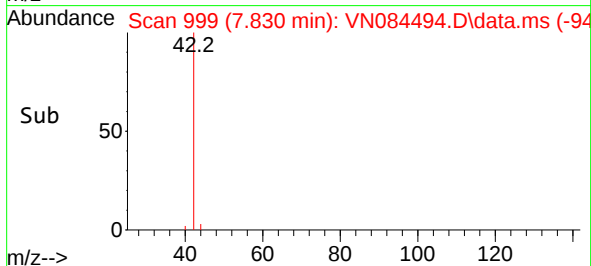
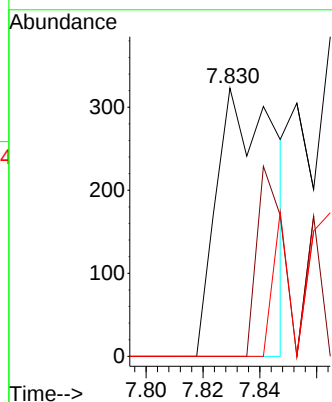
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	458
Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.6	51.8
71	13.3	32.2	48.4#



#31

Cyclohexane

Concen: 1.132 ug/l

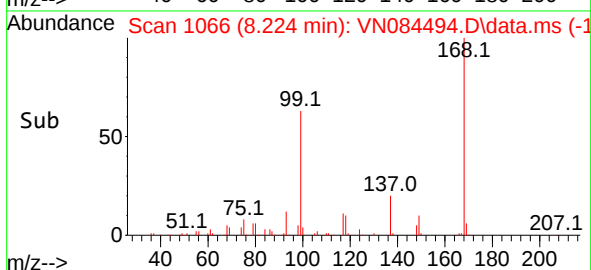
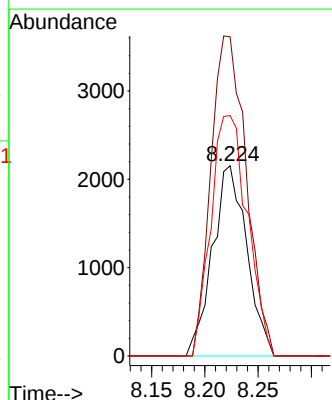
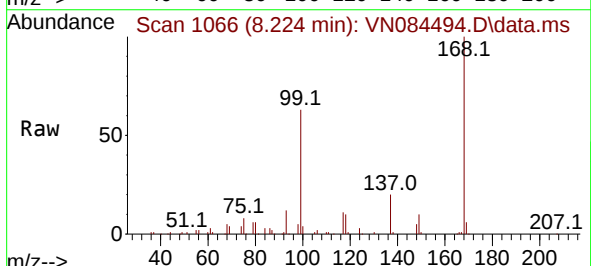
RT: 8.224 min Scan# 1066

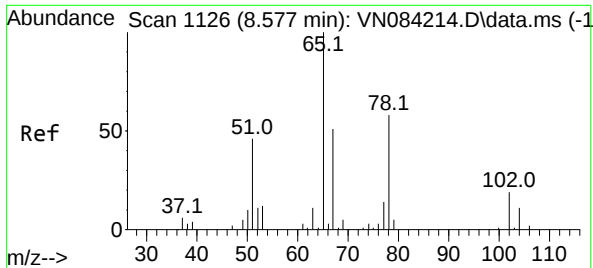
Delta R.T. -0.030 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Tgt Ion:	56	Resp:	4805
Ion	Ratio	Lower	Upper
56	100		
69	167.7	23.8	35.6#
84	126.3	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.379 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Instrument :

MSVOA_N

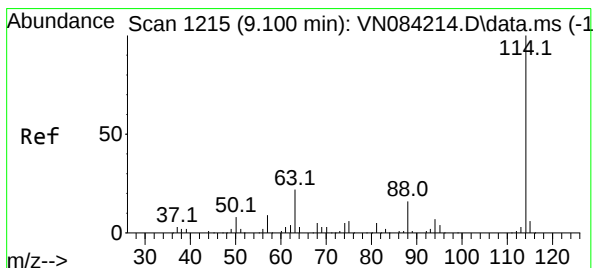
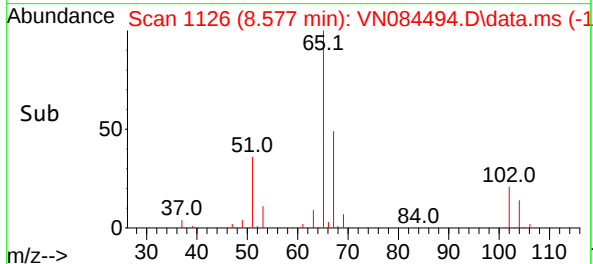
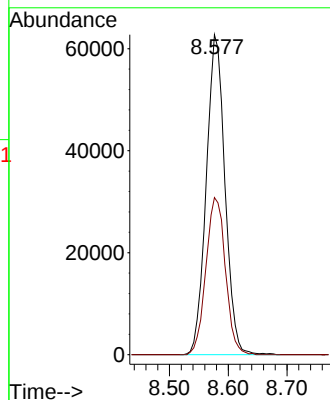
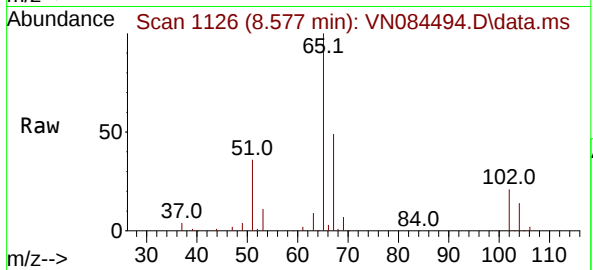
ClientSampleId :

Tgt Ion: 65 Resp: 138598

Ion Ratio Lower Upper

65 100

67 51.1 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: VN084494.D

Acq: 24 Oct 2024 17:33

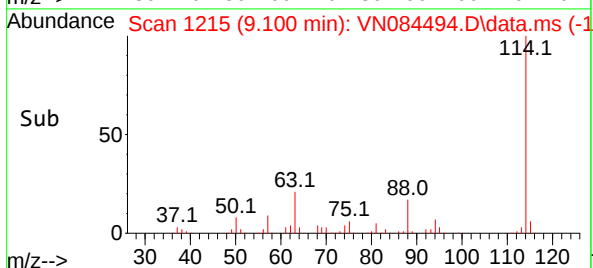
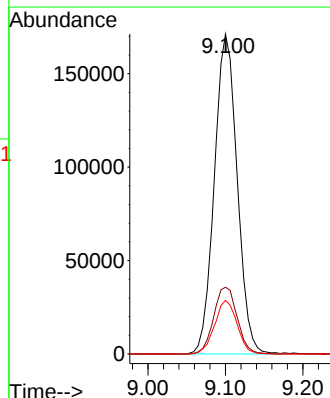
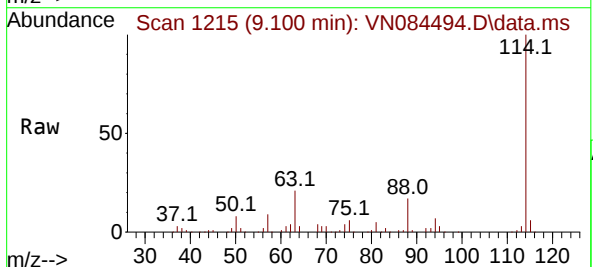
Tgt Ion: 114 Resp: 351046

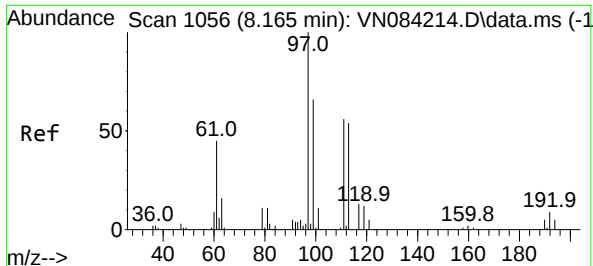
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.276 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

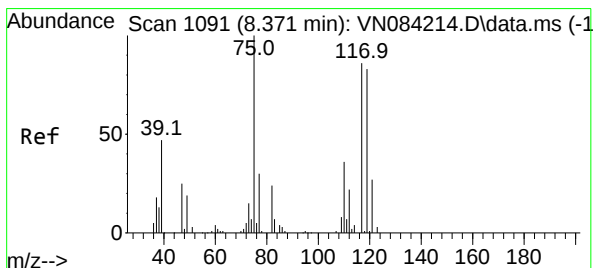
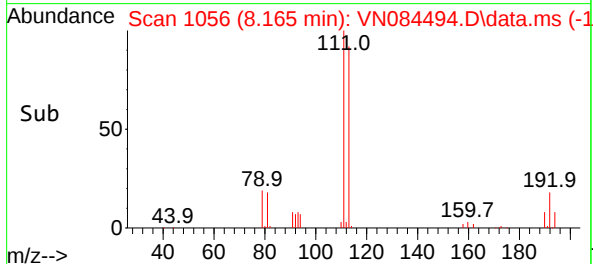
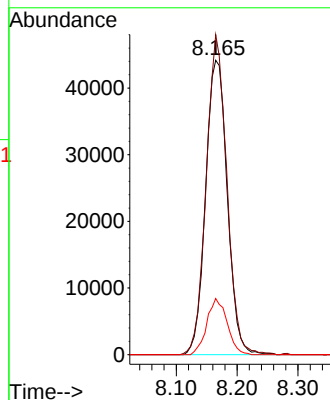
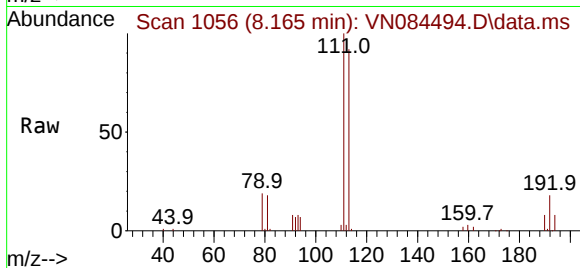
Tgt Ion:113 Resp: 109412

Ion Ratio Lower Upper

113 100

111 103.6 83.3 124.9

192 17.9 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

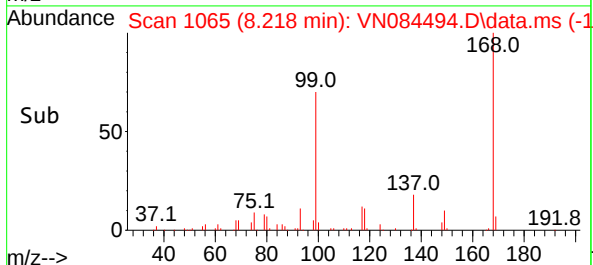
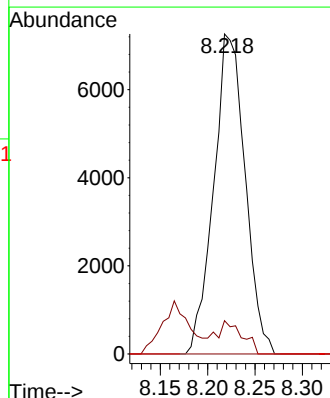
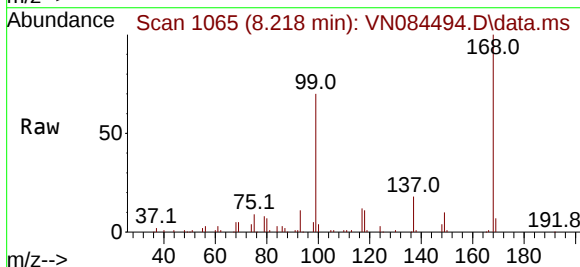
Tgt Ion: 75 Resp: 16754

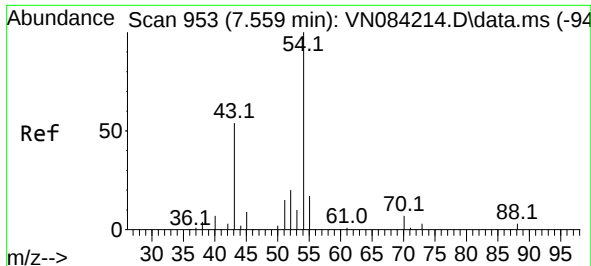
Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.045 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

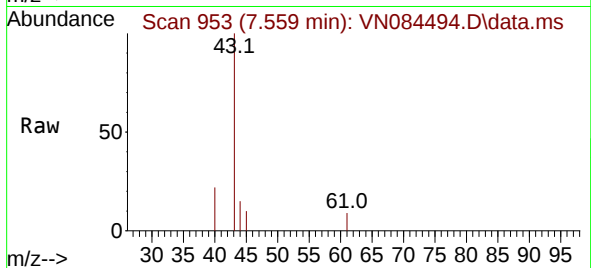
Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

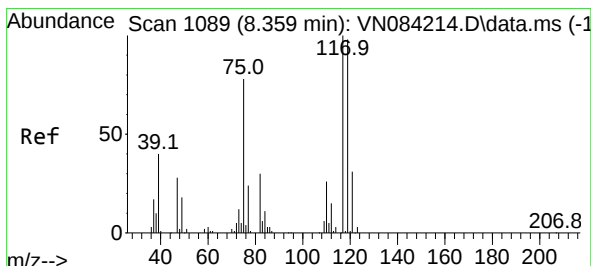
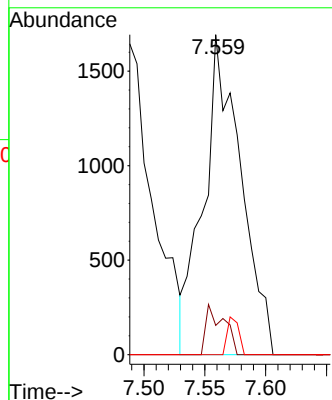
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3603
Ion	Ratio	Lower	Upper
43	100		
61	7.5	10.7	16.1#
70	3.6	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.920 ug/l

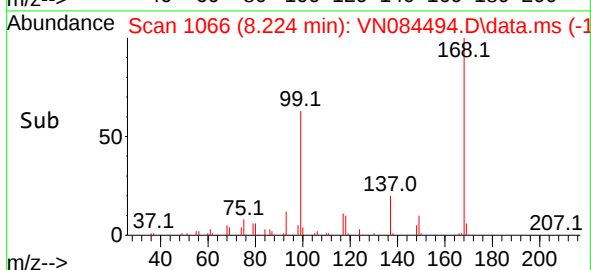
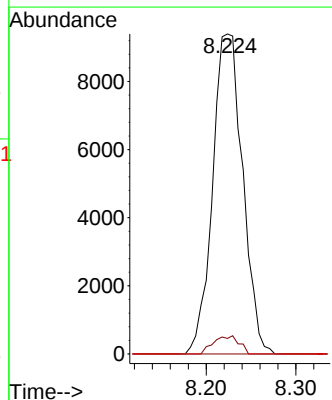
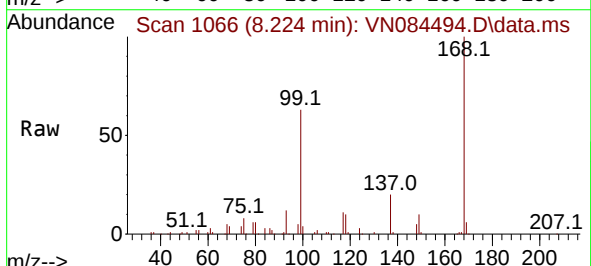
RT: 8.224 min Scan# 1066

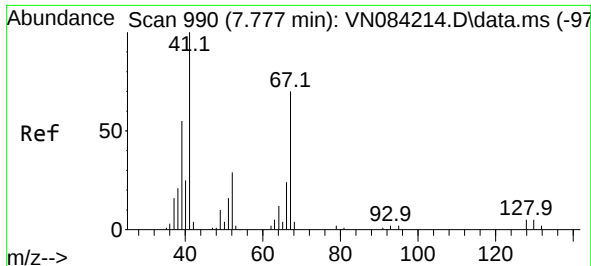
Delta R.T. -0.135 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

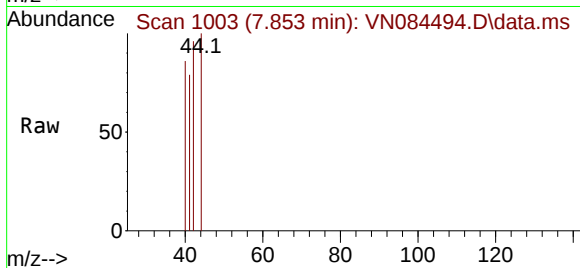
Tgt Ion:	117	Resp:	21830
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.7	118.1#
121	0.0	24.4	36.6#



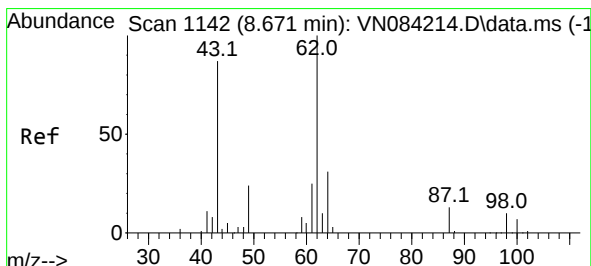
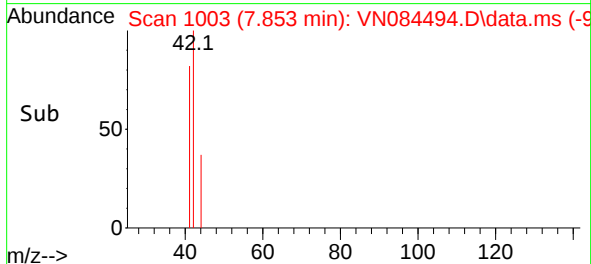
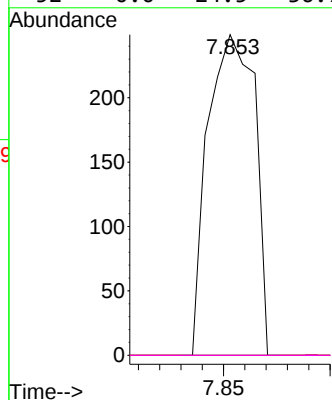


#41
Methacrylonitrile
Concen: 0.204 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :

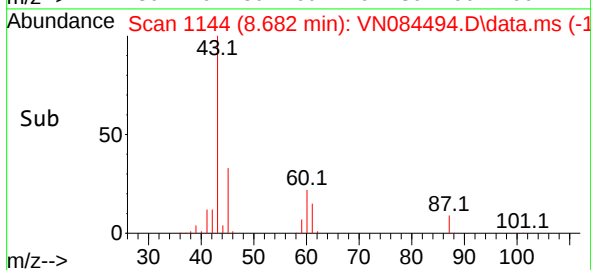
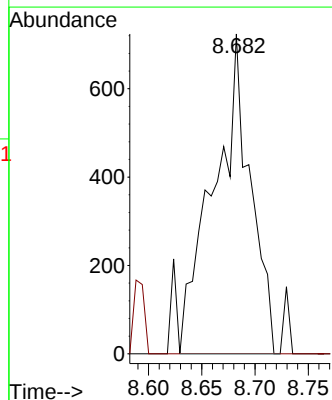
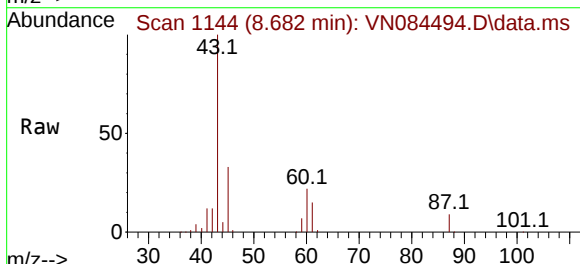


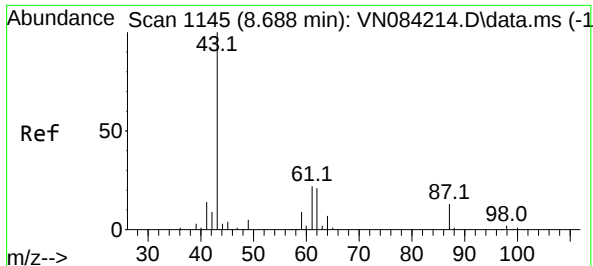
Tgt Ion: 41	Resp: 382
Ion Ratio	Lower Upper
41 100	
39 0.0	43.3 64.9#
67 0.0	56.1 84.1#
52 0.0	24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.485 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Tgt Ion: 62	Resp: 1723
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 18.2

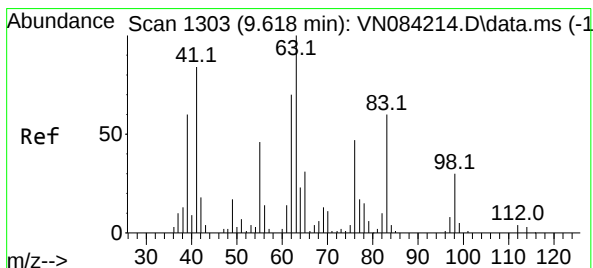
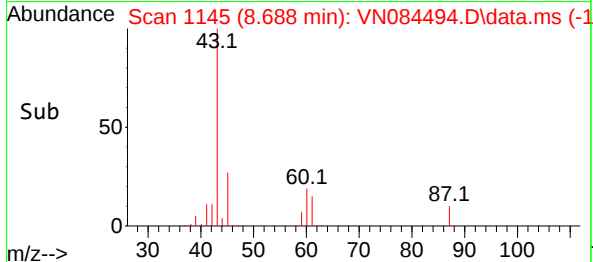
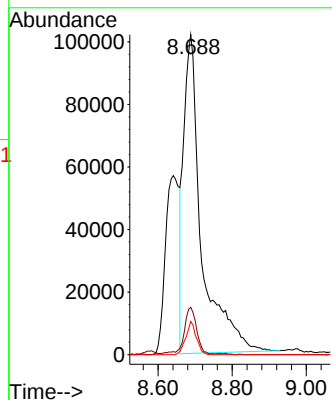
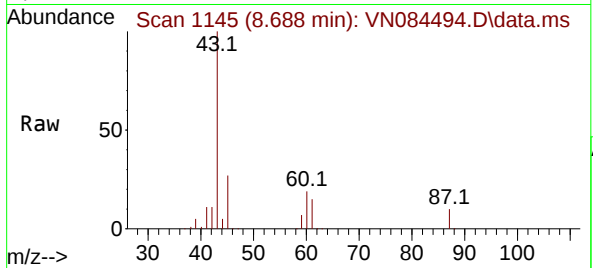




#43
Isopropyl Acetate
Concen: 50.857 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

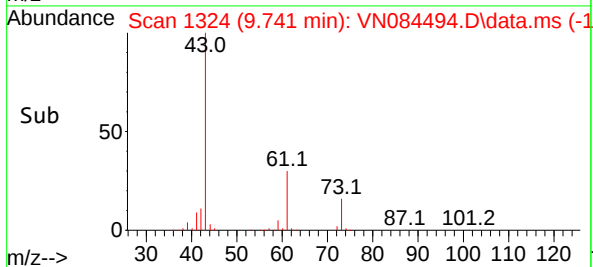
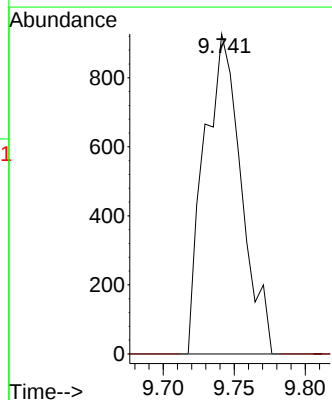
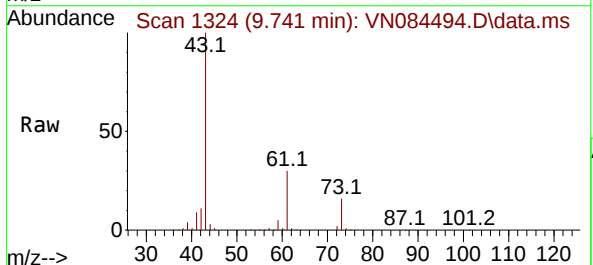
Instrument :
MSVOA_N
ClientSampleId :

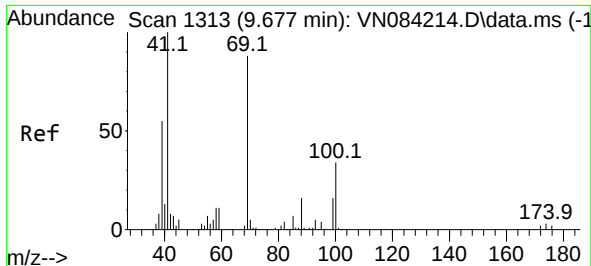
Tgt Ion: 43 Resp: 343543
Ion Ratio Lower Upper
43 100
61 10.0 20.4 30.6#
87 6.1 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.677 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Tgt Ion: 63 Resp: 1677
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.482 ug/l

RT: 9.653 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

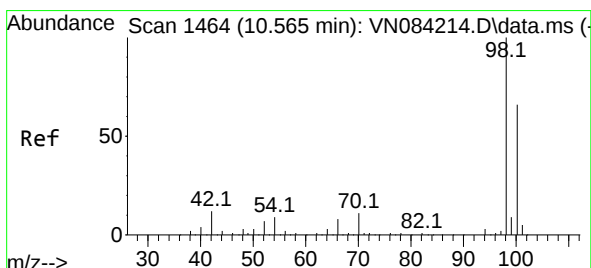
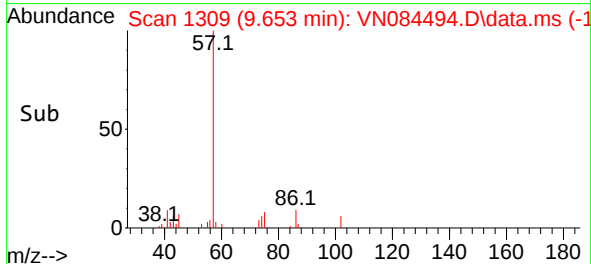
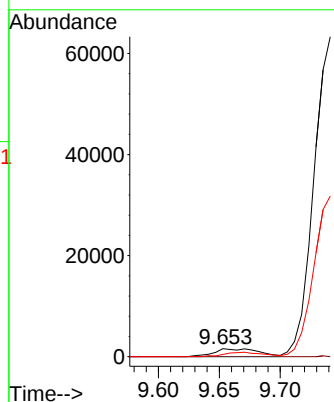
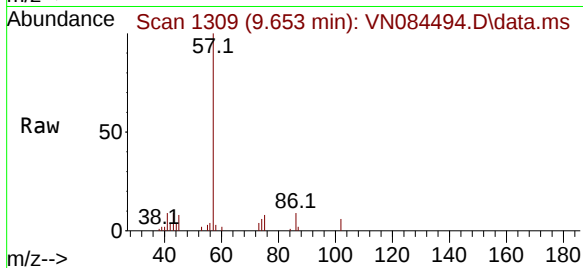
Tgt Ion: 41 Resp: 3986

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 48.5 45.8 68.6



#50

Toluene-d8

Concen: 49.661 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084494.D

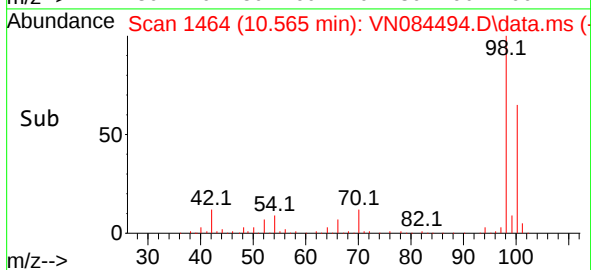
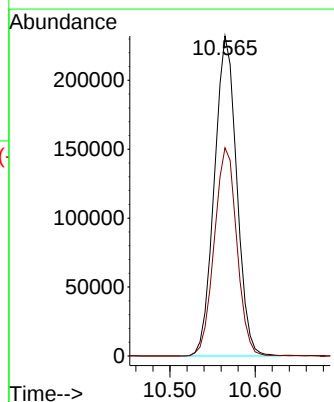
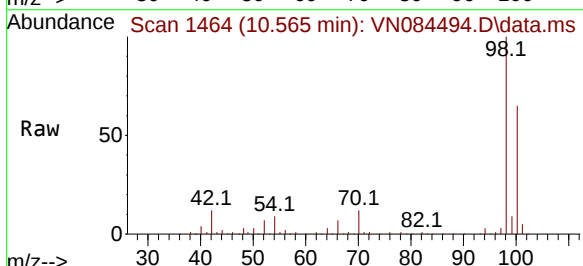
Acq: 24 Oct 2024 17:33

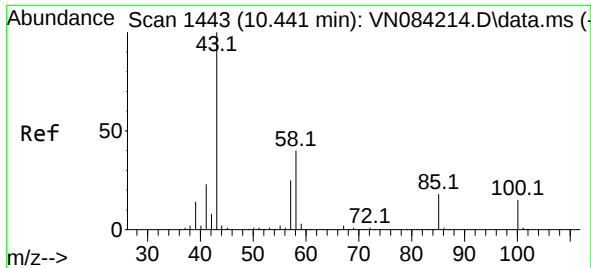
Tgt Ion: 98 Resp: 422847

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

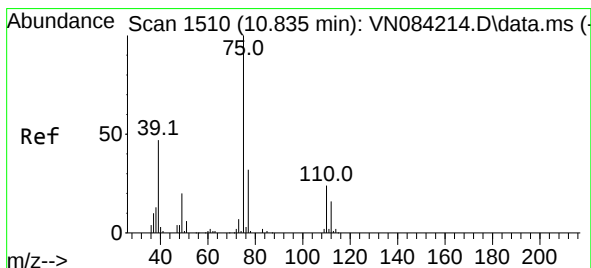
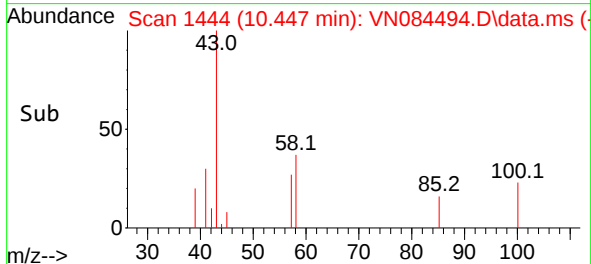
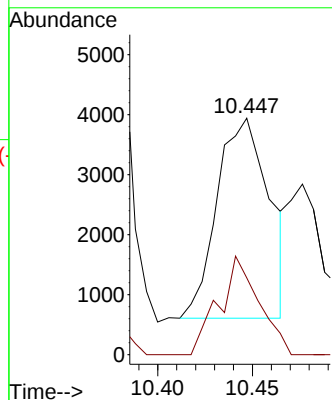
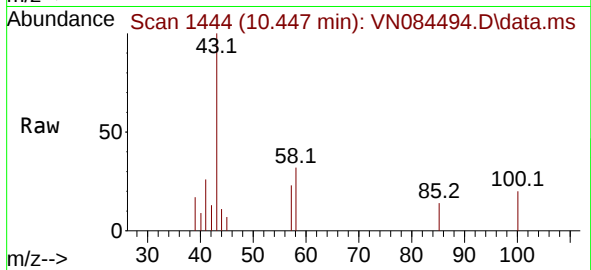




#51
4-Methyl-2-Pentanone
Concen: 1.948 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

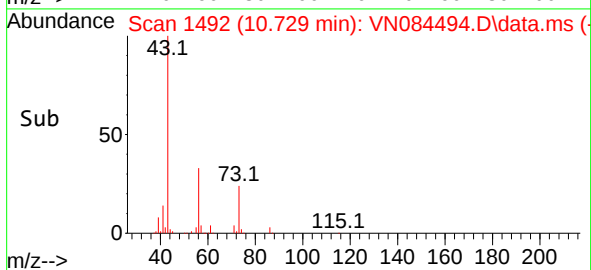
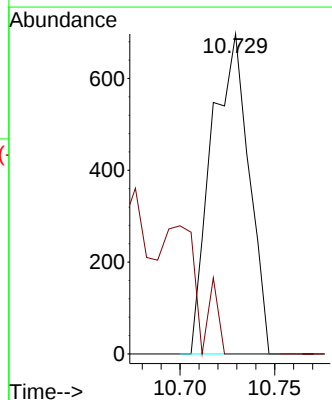
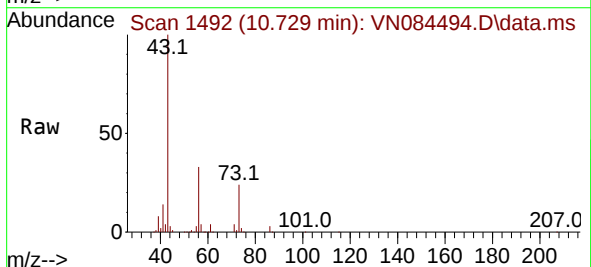
Instrument :
MSVOA_N
ClientSampleId :

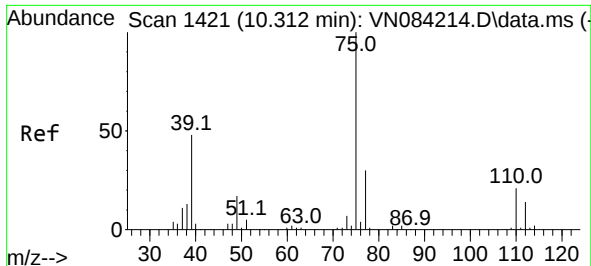
Tgt Ion: 43 Resp: 6394
Ion Ratio Lower Upper
43 100
58 37.7 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

Tgt Ion: 75 Resp: 959
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

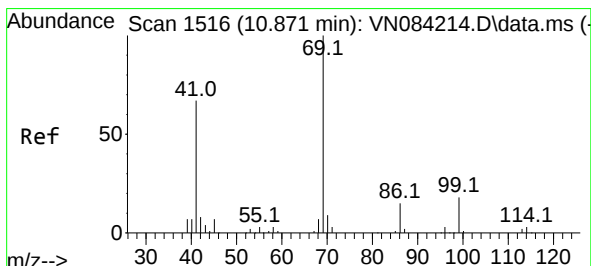
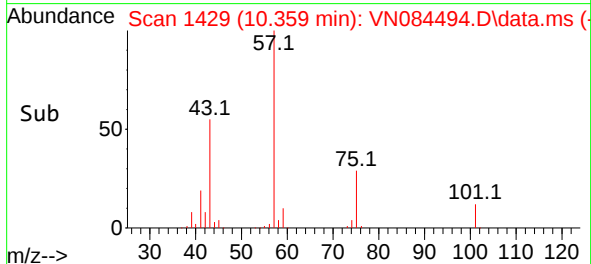
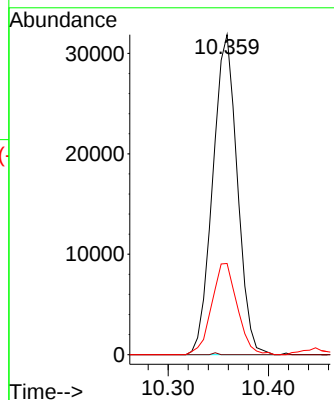
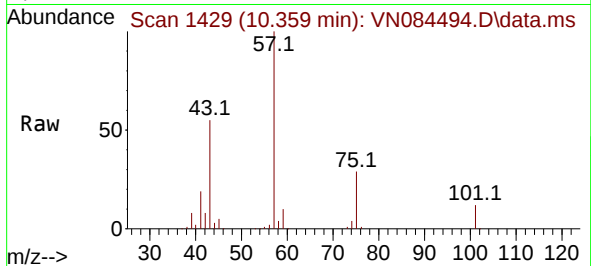




#54
 cis-1,3-Dichloropropene
 Concen: 13.269 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084494.D
 Acq: 24 Oct 2024 17:33

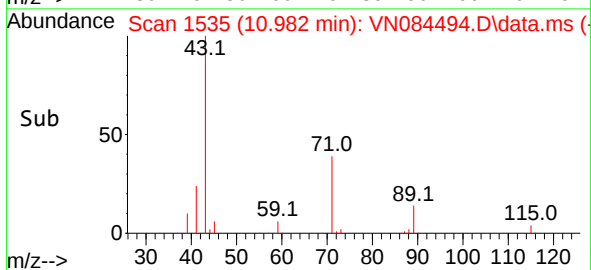
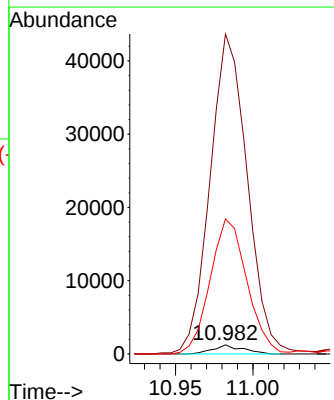
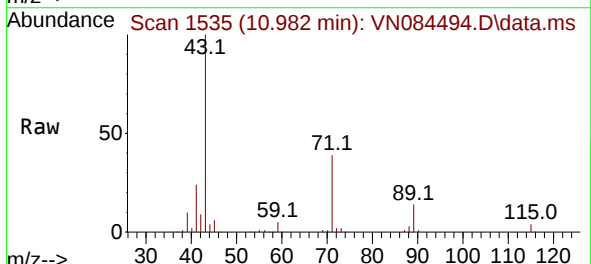
Instrument :
 MSVOA_N
 ClientSampleId :

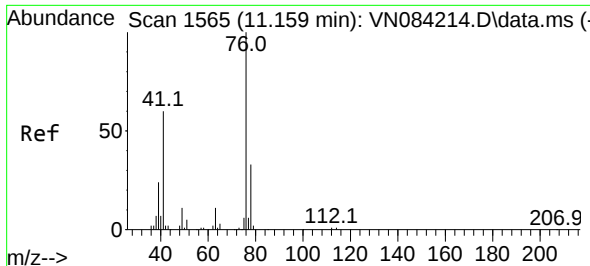
Tgt Ion: 75 Resp: 54043
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 28.5 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.436 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084494.D
 Acq: 24 Oct 2024 17:33

Tgt Ion: 69 Resp: 1644
 Ion Ratio Lower Upper
 69 100
 41 4455.7 53.3 79.9#
 39 1851.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.749 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Instrument :

MSVOA_N

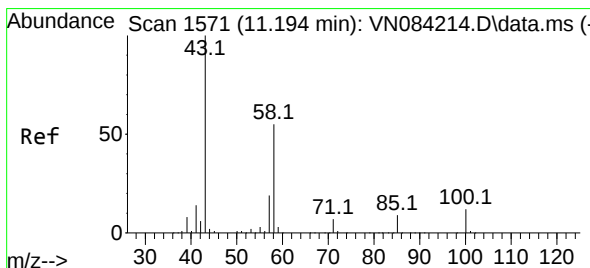
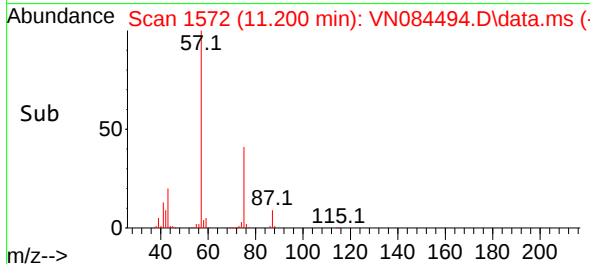
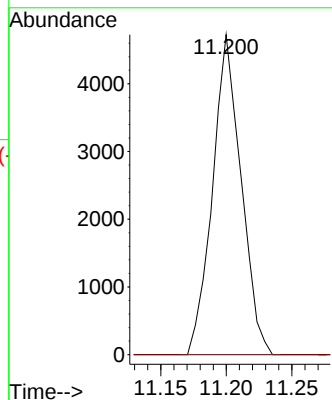
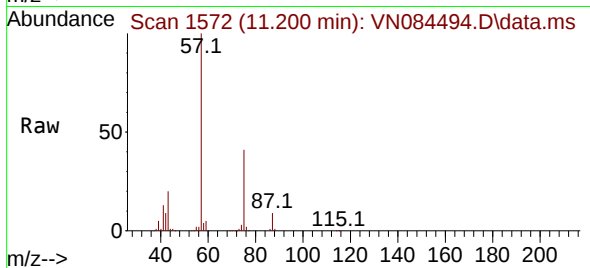
ClientSampleId :

Tgt Ion: 76 Resp: 7155

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 53.207 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084494.D

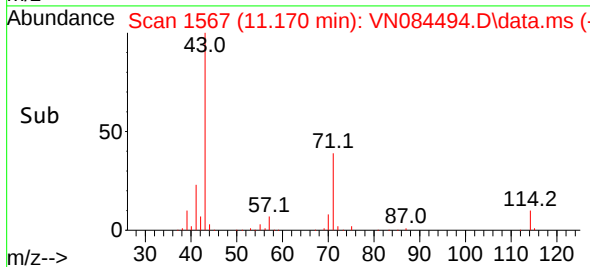
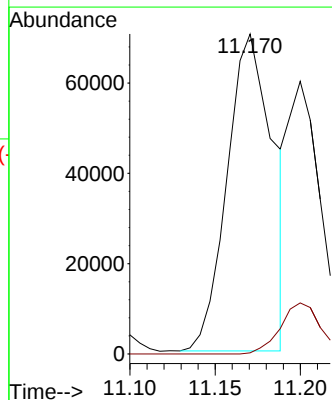
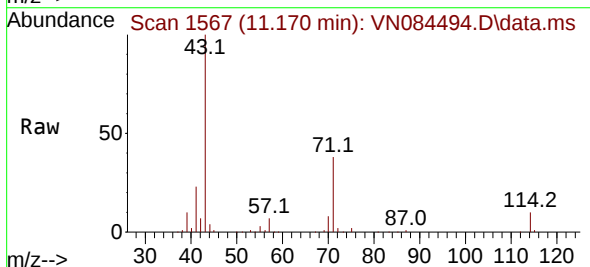
Acq: 24 Oct 2024 17:33

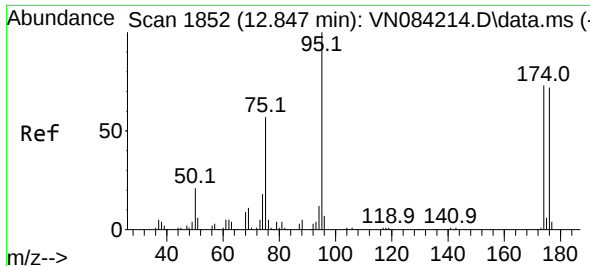
Tgt Ion: 43 Resp: 130559

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

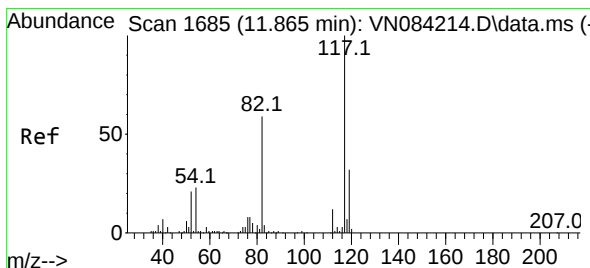
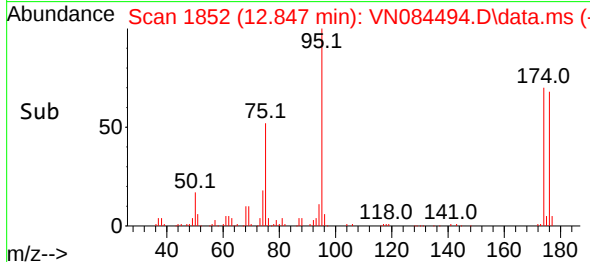
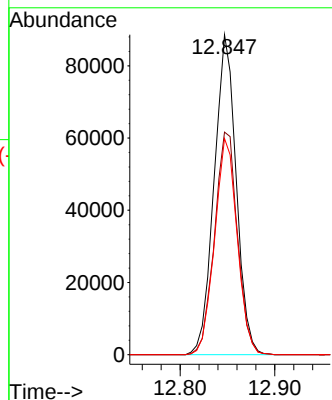
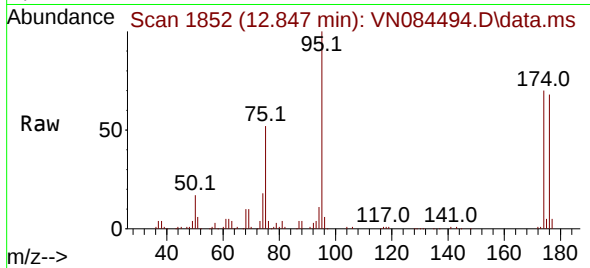




#62
4-Bromofluorobenzene
Concen: 46.206 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

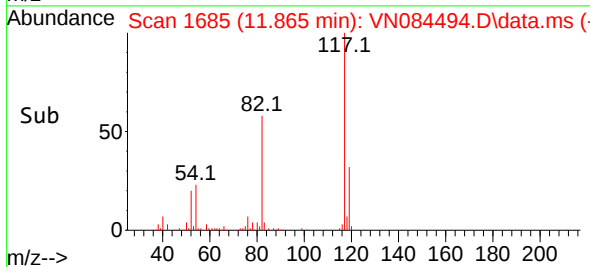
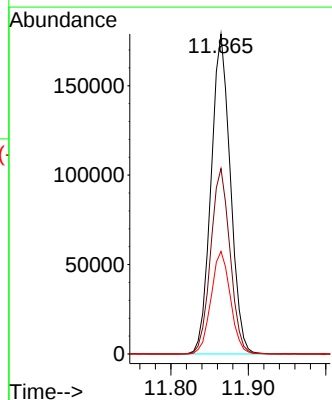
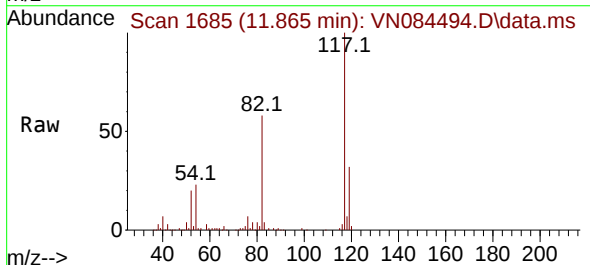
Instrument :
MSVOA_N
ClientSampleId :

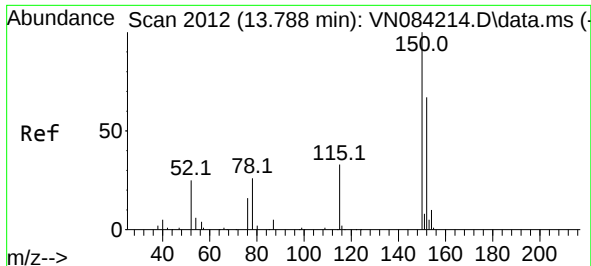
Tgt Ion: 95 Resp: 143330
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.2
176 69.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084494.D
Acq: 24 Oct 2024 17:33

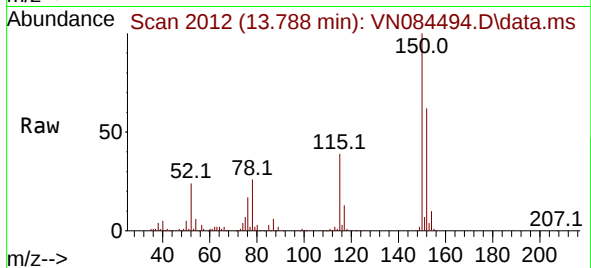
Tgt Ion: 117 Resp: 309189
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 32.1 25.4 38.0



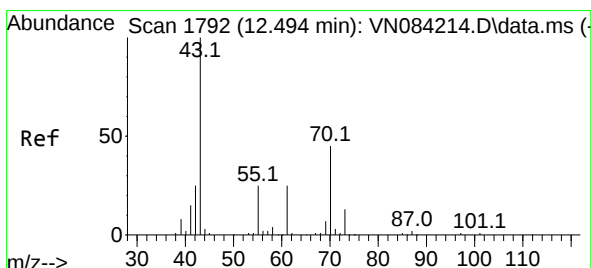
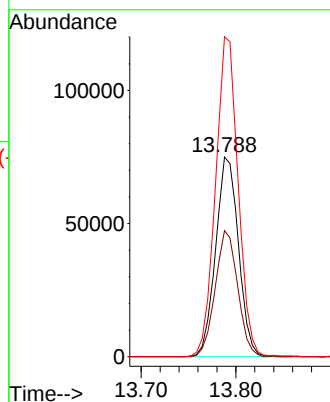
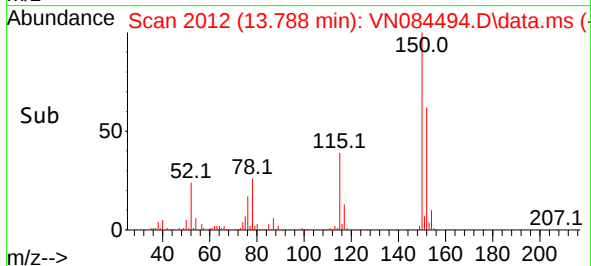


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN084494.D
 Acq: 24 Oct 2024 17:33

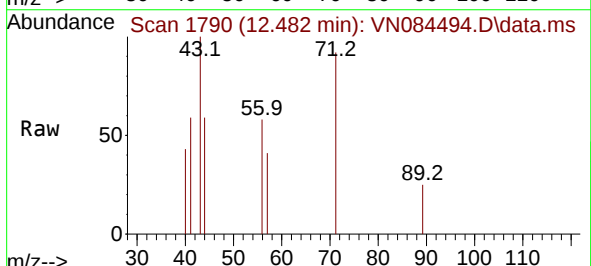
Instrument :
 MSVOA_N
 ClientSampleId :



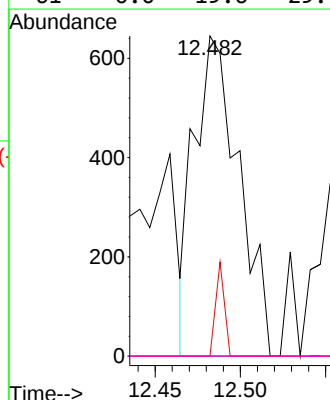
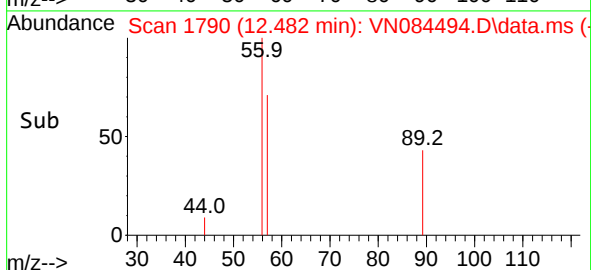
Tgt Ion:152 Resp: 125619
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.3 93.9
 150 158.8 0.0 349.8

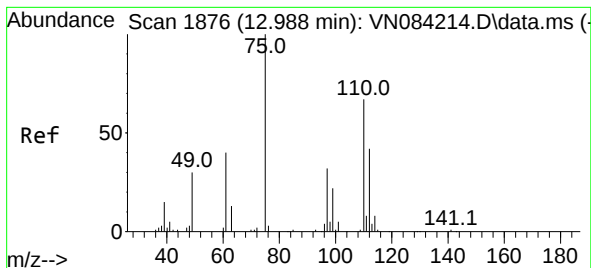


#74
 N-ethyl acetate
 Concen: 0.272 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN084494.D
 Acq: 24 Oct 2024 17:33



Tgt Ion: 43 Resp: 1179
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 5.7 19.6 29.4#
 61 0.0 19.6 29.4#





#76

1,2,3-Trichloropropane

Concen: 29.201 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Instrument :

MSVOA_N

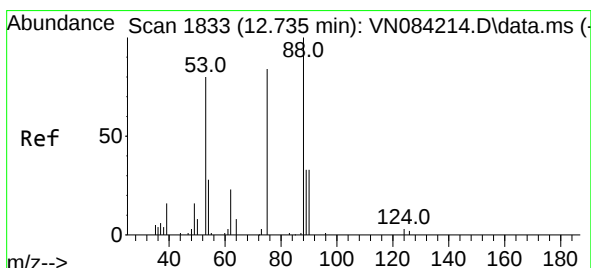
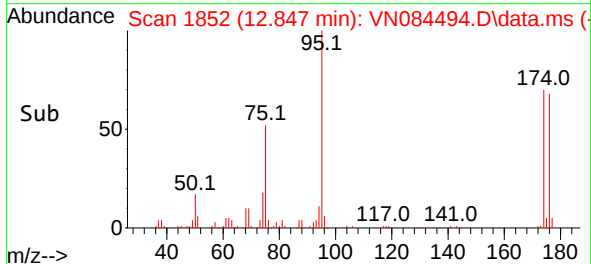
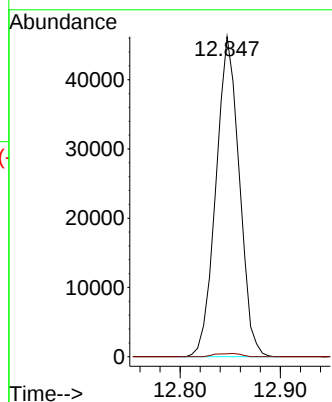
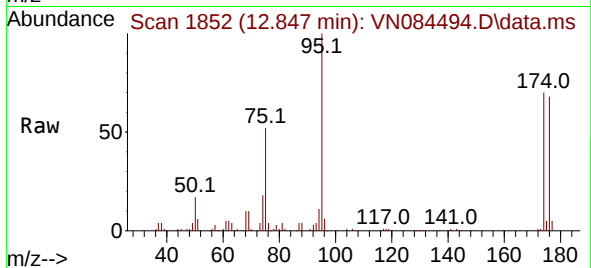
ClientSampleId :

Tgt Ion: 75 Resp: 74887

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.008 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084494.D

Acq: 24 Oct 2024 17:33

Tgt Ion: 75 Resp: 74887

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#

