

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084854.D
 Acq On : 14 Nov 2024 16:11
 Operator : JC\MD
 Sample : PB164945TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:49:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

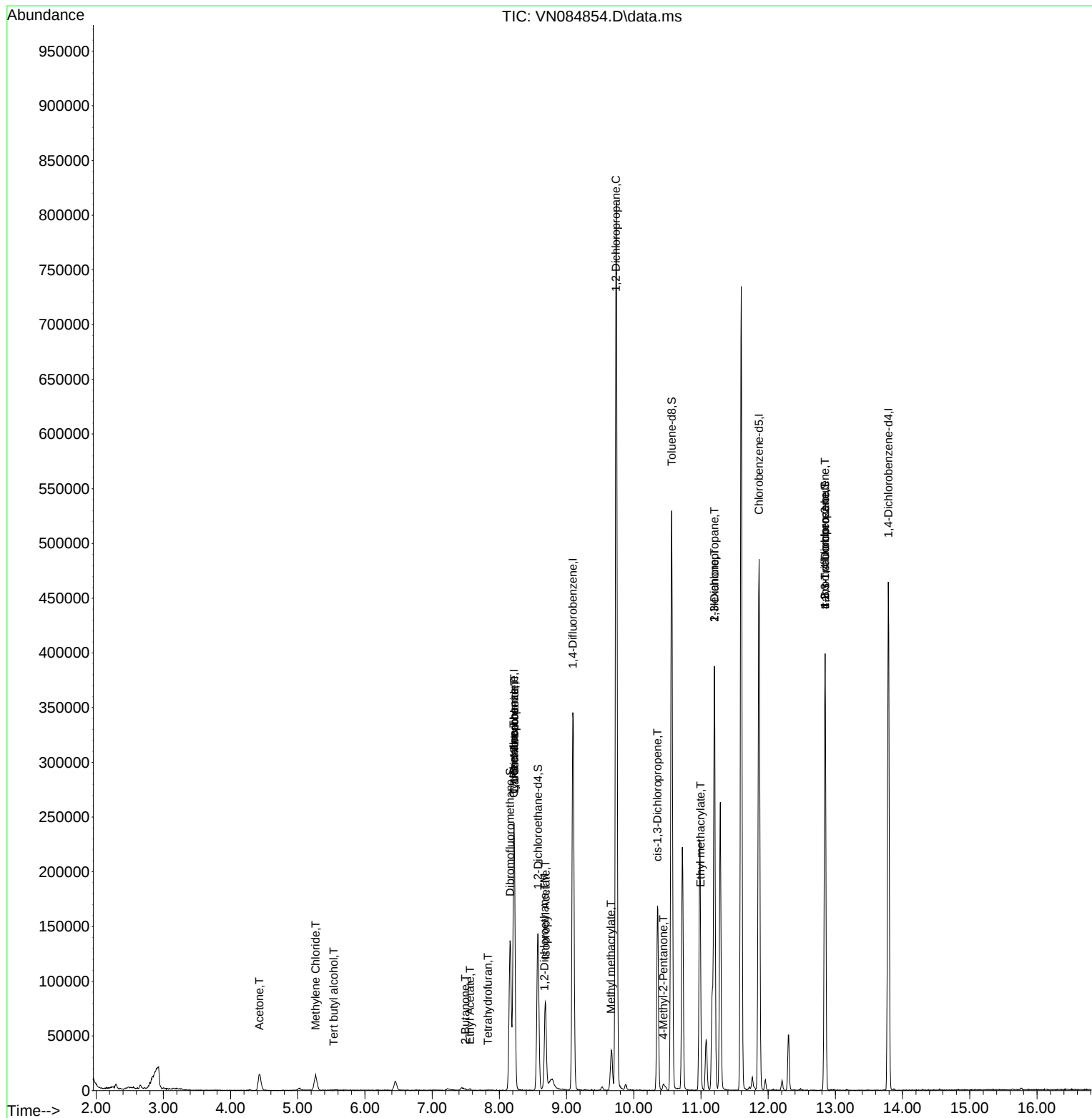
Internal Standards						
1) Pentafluorobenzene	8.218	168	180574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	307757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121421	46.555	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.120%
35) Dibromofluoromethane	8.159	113	98502	47.285	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.580%
50) Toluene-d8	10.565	98	368009	47.958	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.920%
62) 4-Bromofluorobenzene	12.847	95	142593	49.721	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	448	Below Cal	#	41
6) Chloroethane	3.142	64	144	Below Cal	#	45
11) Tert butyl alcohol	5.536	59	131	0.381	ug/l #	73
16) Acetone	4.430	43	24938	30.598	ug/l	94
18) Methyl Acetate	5.030	43	3812	Below Cal		91
20) Methylene Chloride	5.265	84	10821	4.717	ug/l	86
25) 2-Butanone	7.494	43	2122	1.744	ug/l	94
29) Tetrahydrofuran	7.830	42	215	0.266	ug/l #	34
31) Cyclohexane	8.212	56	3890	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14671	5.078	ug/l #	50
37) Ethyl Acetate	7.565	43	2370	0.904	ug/l #	88
38) Carbon Tetrachloride	8.224	117	18430	5.707	ug/l #	14
42) 1,2-Dichloroethane	8.671	62	606	0.202	ug/l #	75
43) Isopropyl Acetate	8.688	43	92362	18.464	ug/l #	92
45) 1,2-Dichloropropane	9.735	63	1236	0.568	ug/l #	44
48) Methyl methacrylate	9.659	41	2236	1.096	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	7118	2.849	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	31998	9.022	ug/l #	62
56) Ethyl methacrylate	10.994	69	975	0.330	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3918	1.117	ug/l #	42
59) 2-Hexanone	11.200	43	44315	24.364	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	72736	28.699	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72736	68.086	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	115	Below Cal	#	1

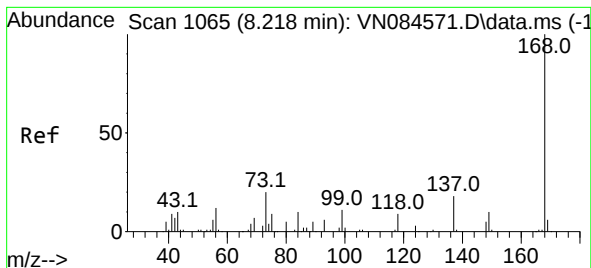
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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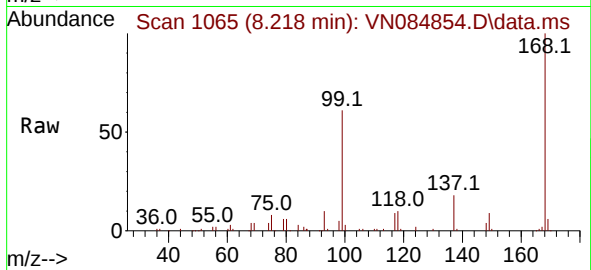
Quant Time: Nov 15 00:49:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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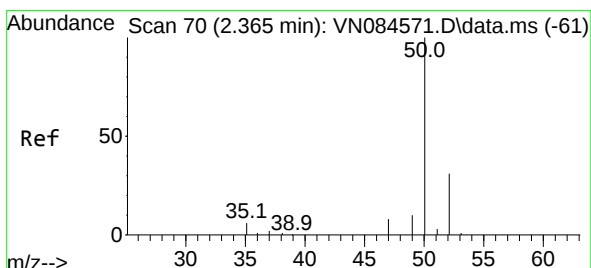
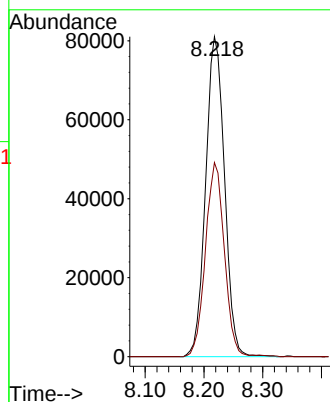
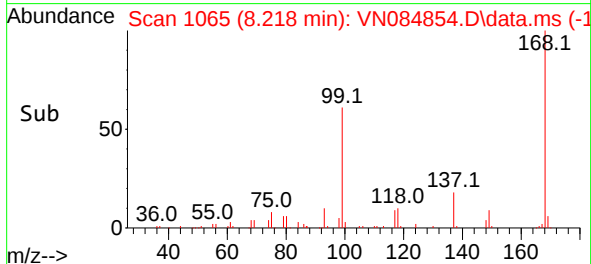


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

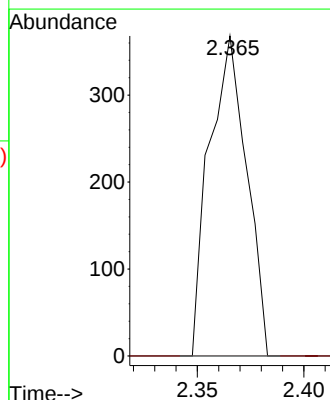
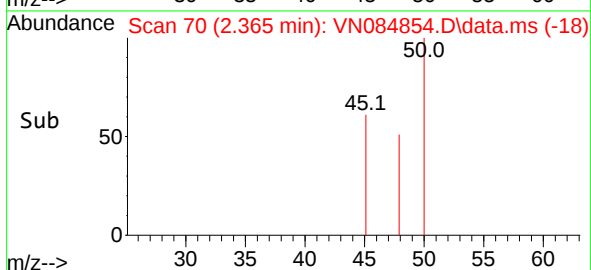
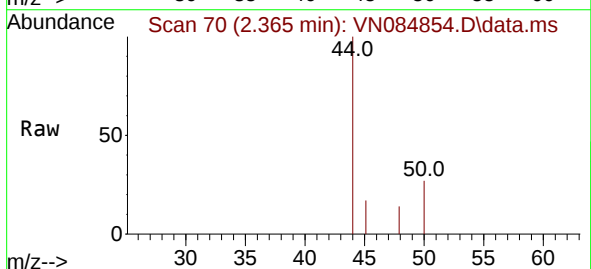


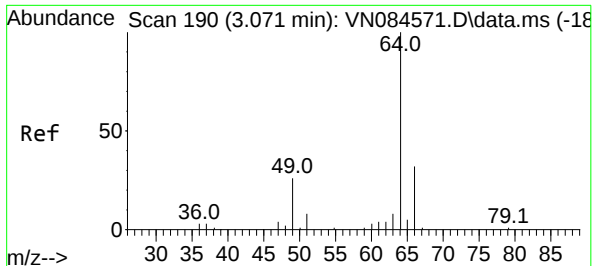
Tgt Ion:168 Resp: 180574
Ion Ratio Lower Upper
168 100
99 60.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

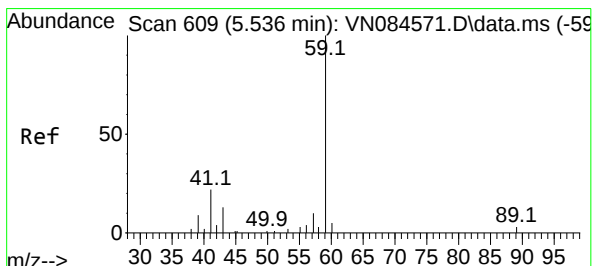
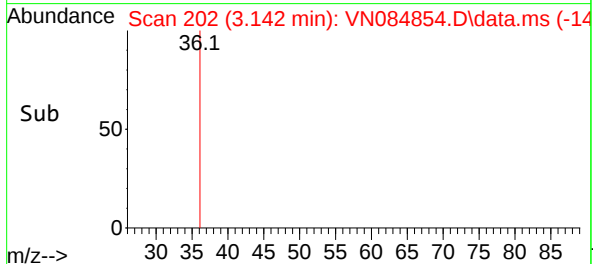
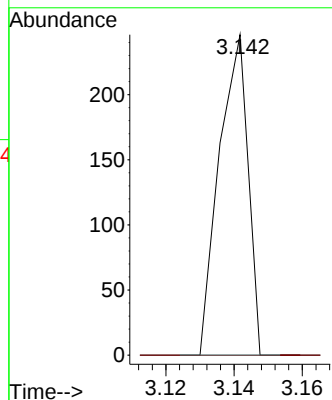
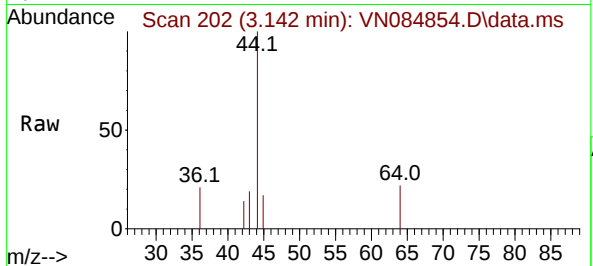




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

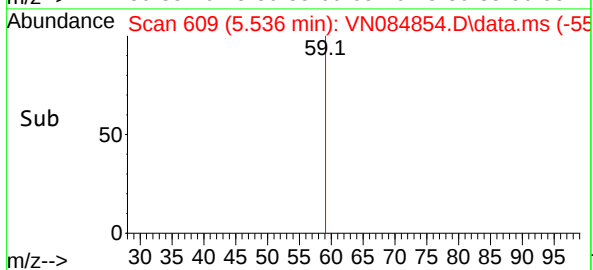
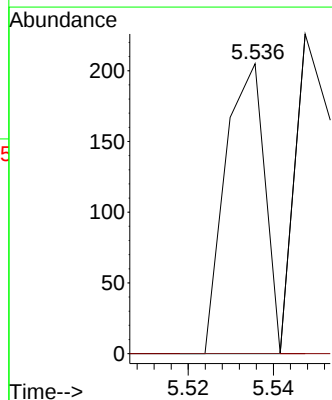
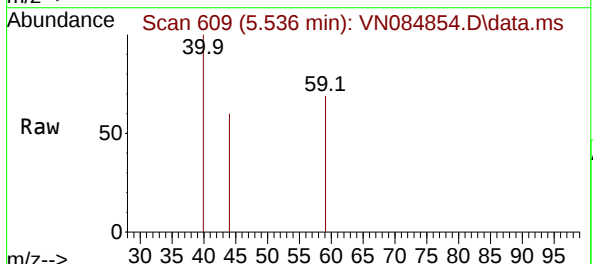
Instrument :
MSVOA_N
ClientSampleId :

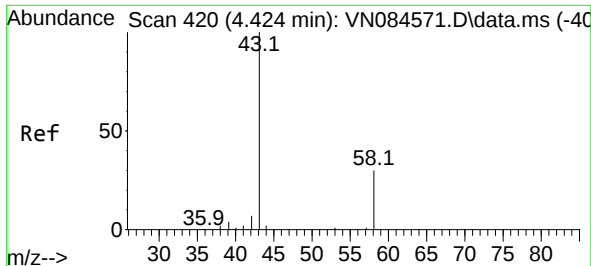
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.381 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

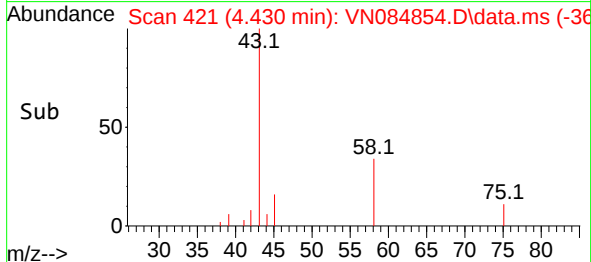
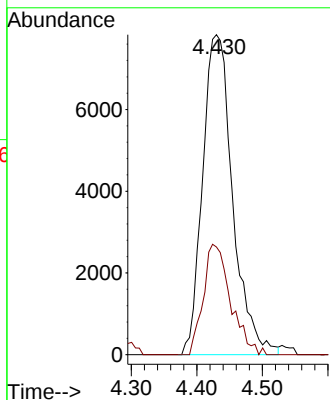
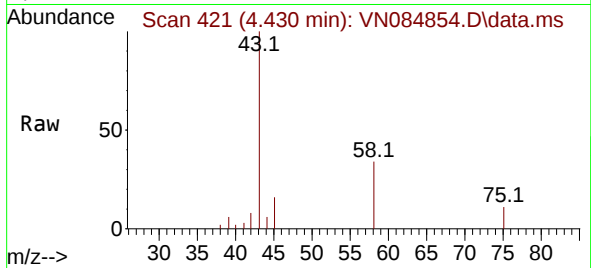




#16
Acetone
Concen: 30.598 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

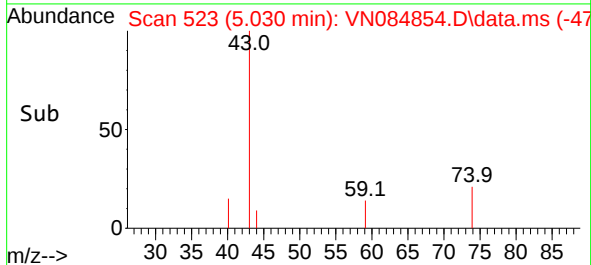
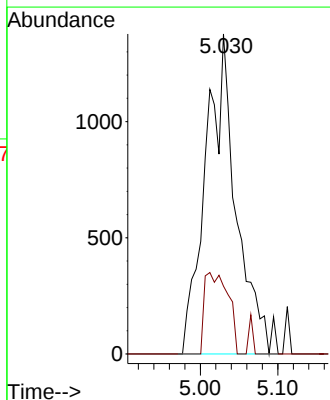
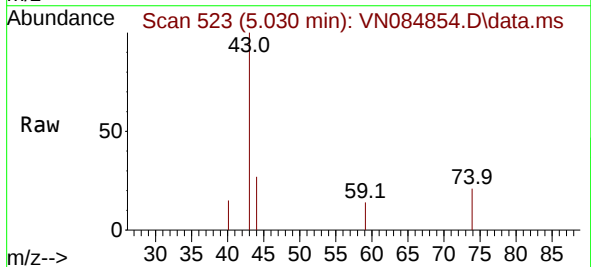
Instrument :
MSVOA_N
ClientSampleId :

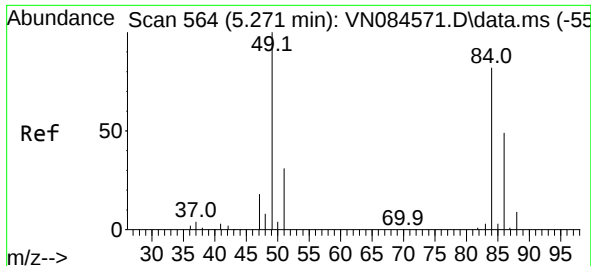
Tgt Ion: 43 Resp: 24938
Ion Ratio Lower Upper
43 100
58 33.7 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

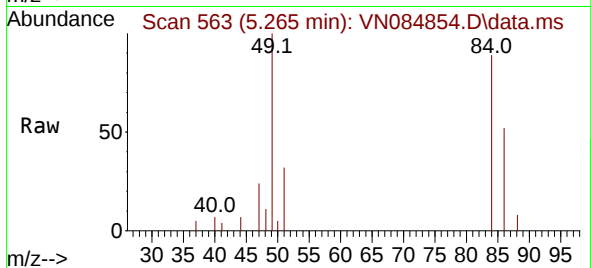
Tgt Ion: 43 Resp: 3812
Ion Ratio Lower Upper
43 100
74 19.5 19.2 28.8



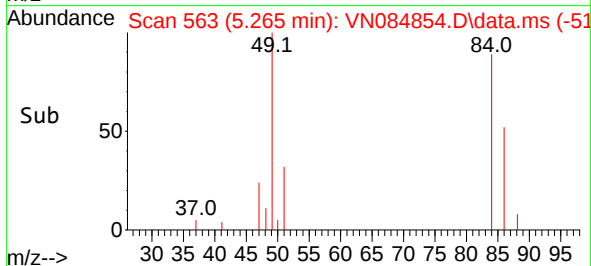
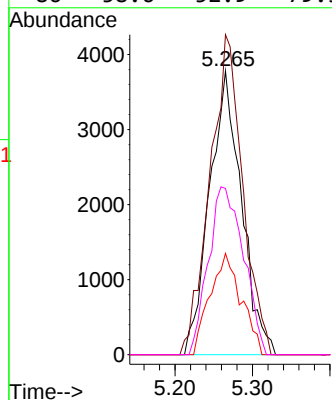


#20
Methylene Chloride
Concen: 4.717 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

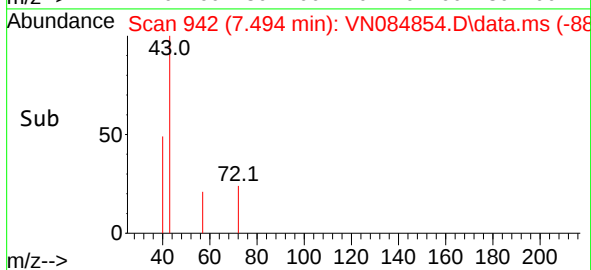
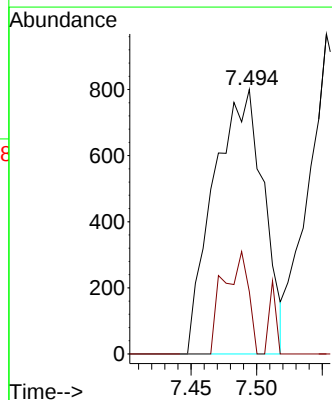
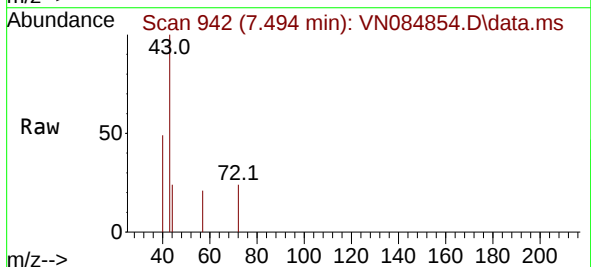


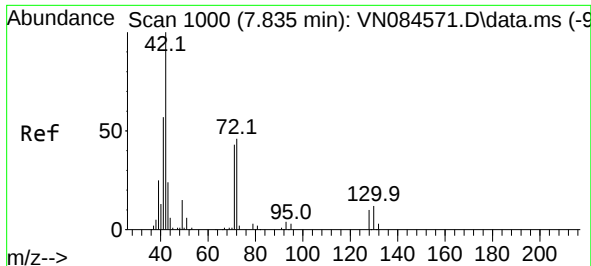
Tgt Ion:	84	Resp:	10821
Ion	Ratio	Lower	Upper
84	100		
49	112.8	107.2	160.8
51	35.7	31.8	47.8
86	58.6	52.9	79.3



#25
2-Butanone
Concen: 1.744 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Tgt Ion:	43	Resp:	2122
Ion	Ratio	Lower	Upper
43	100		
72	23.6	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.006 min

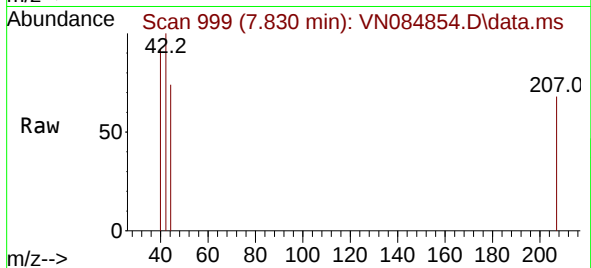
Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

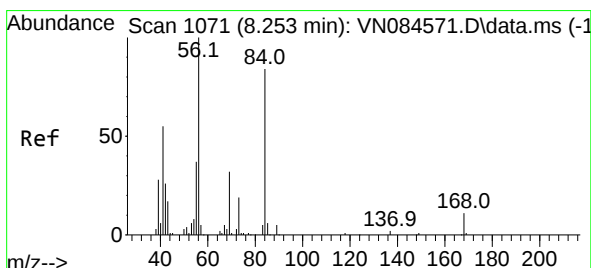
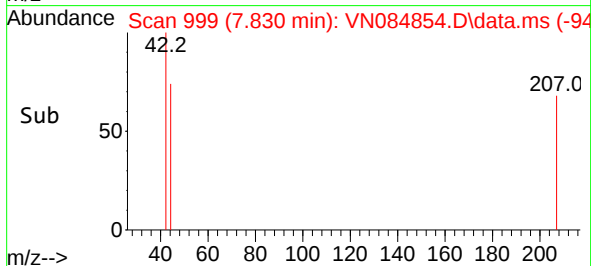
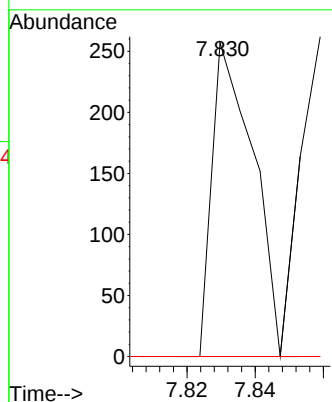
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 215
Ion Ratio	Lower Upper
42 100	
72 0.0	34.6 51.8#
71 0.0	32.2 48.4#



#31

Cyclohexane

Concen: 1.080 ug/l

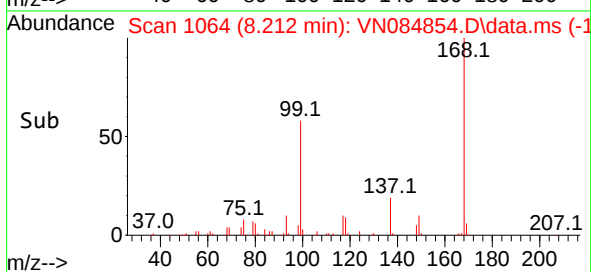
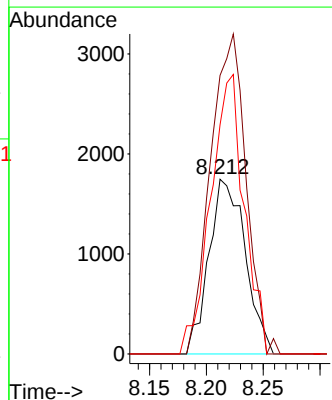
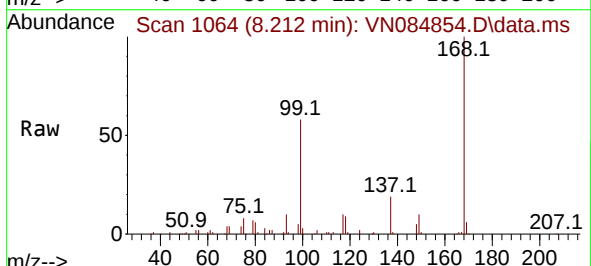
RT: 8.212 min Scan# 1064

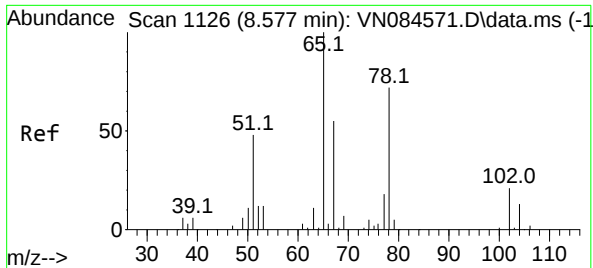
Delta R.T. -0.041 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

Tgt Ion: 56	Resp: 3890		
Ion Ratio	Lower	Upper	
56	100		
69	159.3	23.8	35.6#
84	142.4	68.8	103.2#

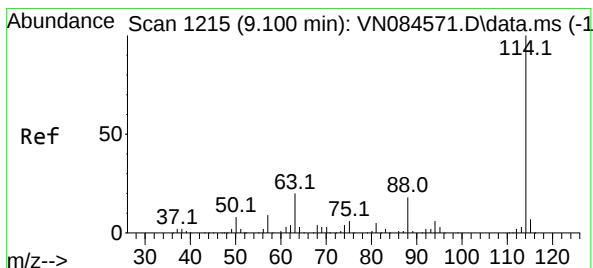
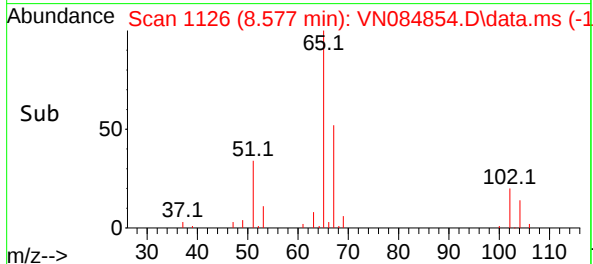
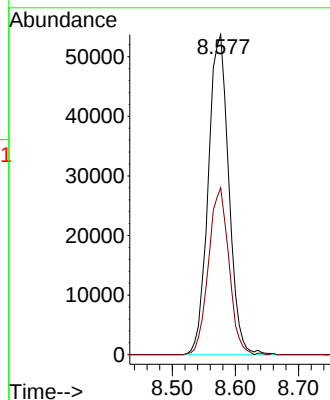
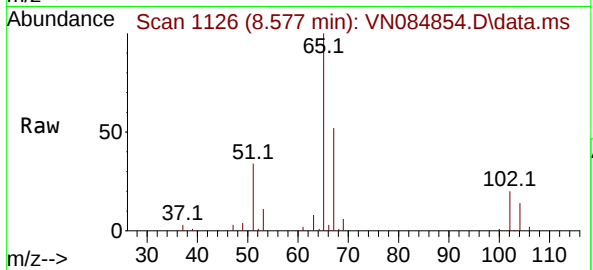




#33
 1,2-Dichloroethane-d4
 Concen: 46.555 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084854.D
 Acq: 14 Nov 2024 16:11

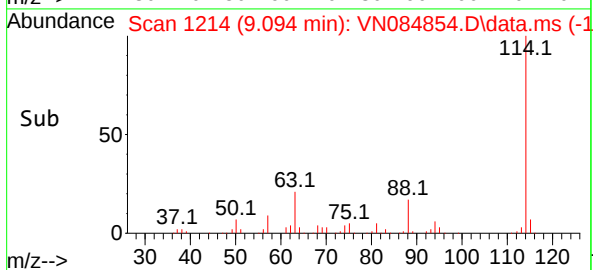
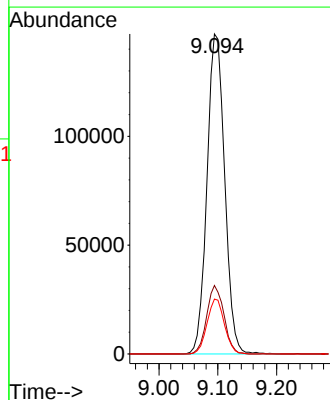
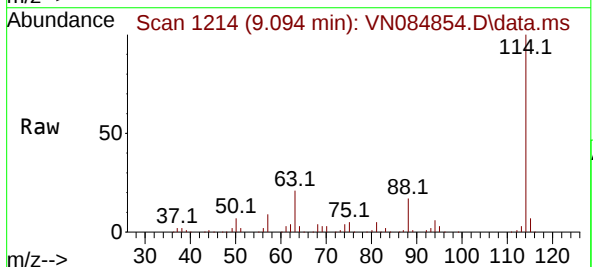
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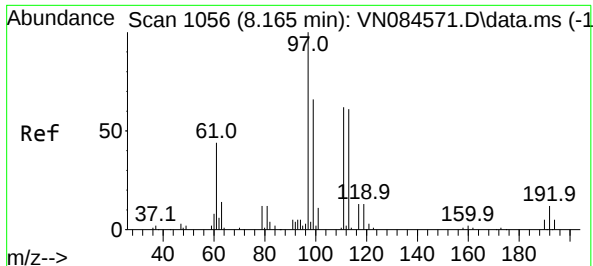
Tgt Ion: 65 Resp: 121421
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN084854.D
 Acq: 14 Nov 2024 16:11

Tgt Ion: 114 Resp: 307757
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.8
 88 17.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.285 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :

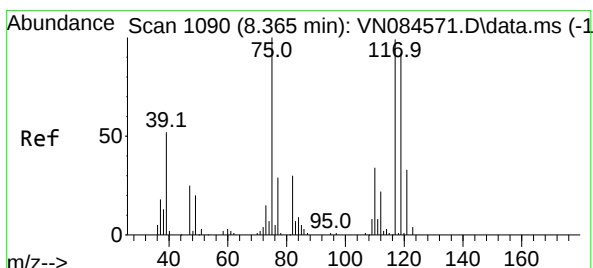
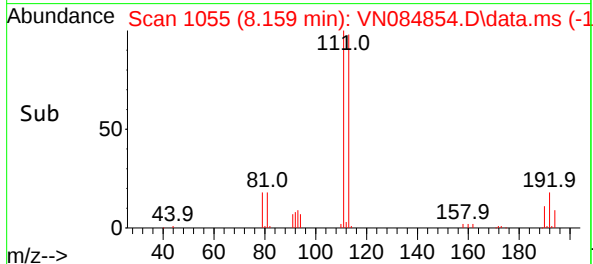
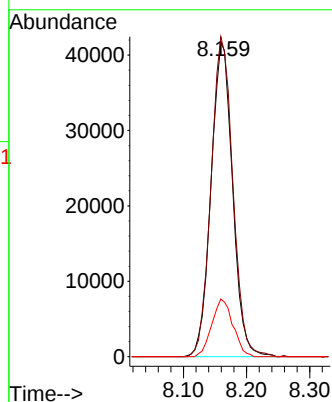
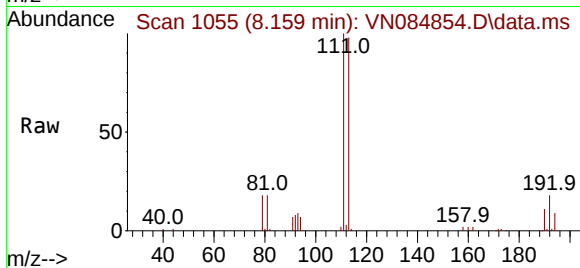
Tgt Ion:113 Resp: 98502

Ion Ratio Lower Upper

113 100

111 103.1 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.078 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

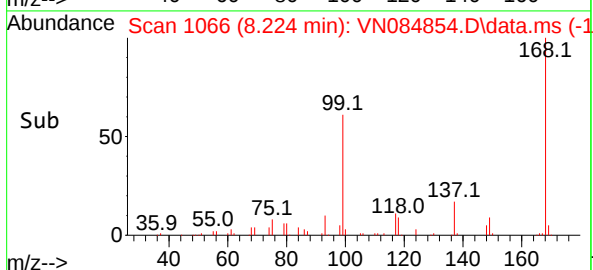
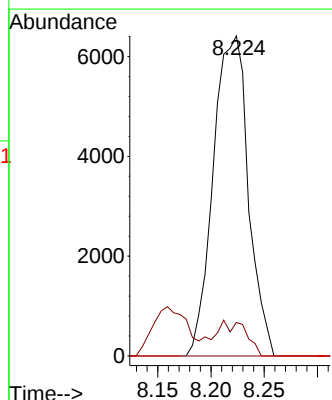
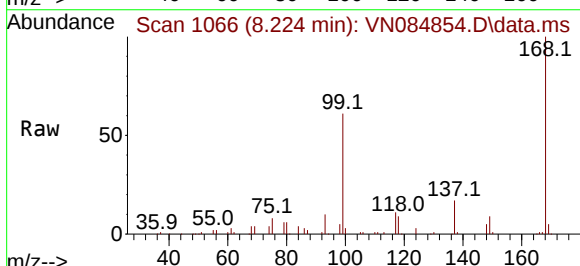
Tgt Ion: 75 Resp: 14671

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.904 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

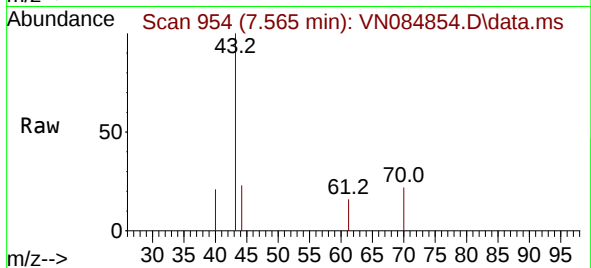
Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

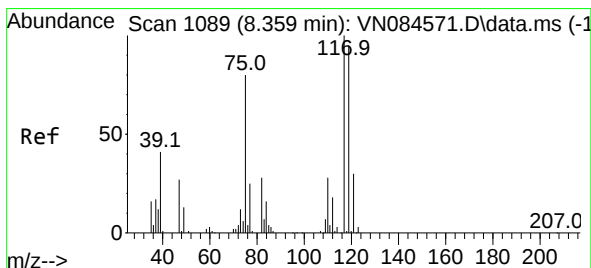
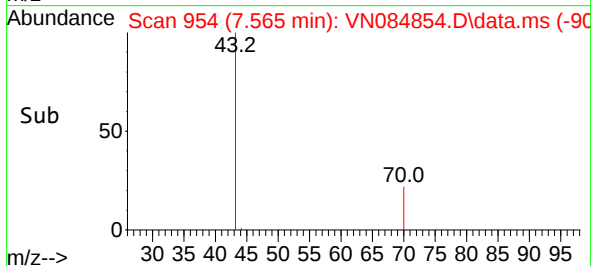
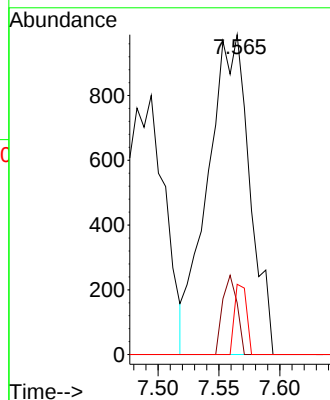
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2370
Ion	Ratio	Lower	Upper
43	100		
61	8.6	10.7	16.1#
70	6.3	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.707 ug/l

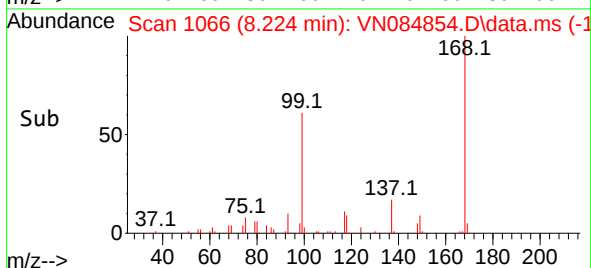
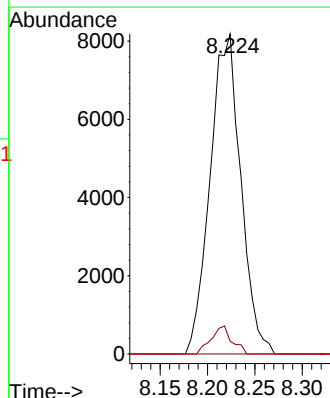
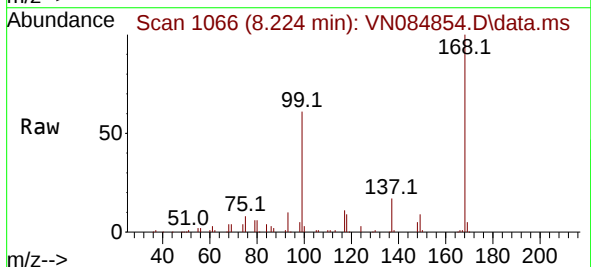
RT: 8.224 min Scan# 1066

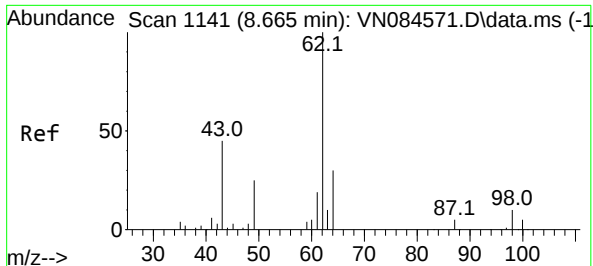
Delta R.T. -0.135 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

Tgt Ion:	117	Resp:	18430
Ion	Ratio	Lower	Upper
117	100		
119	3.9	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

Instrument :

MSVOA_N

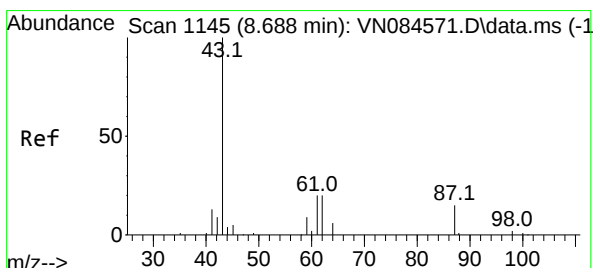
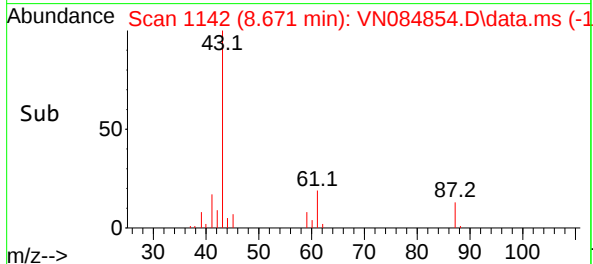
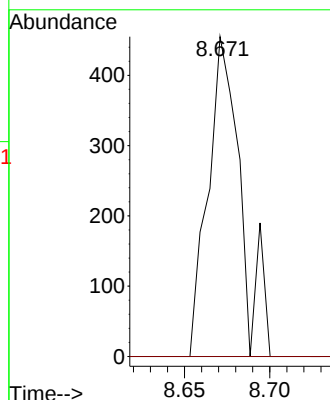
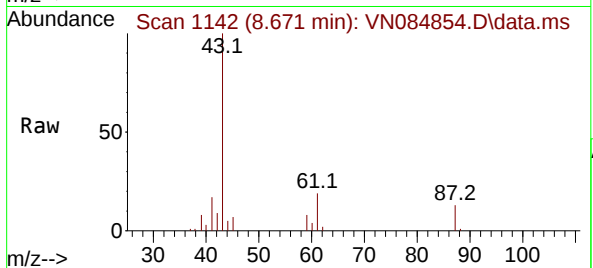
ClientSampleId :

Tgt Ion: 62 Resp: 606

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 18.464 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

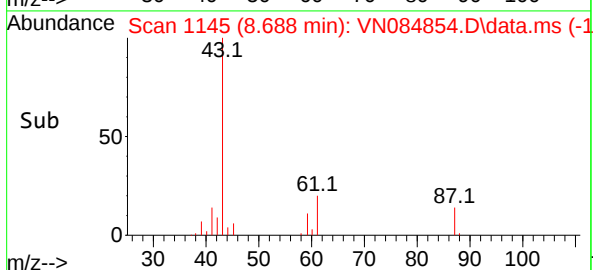
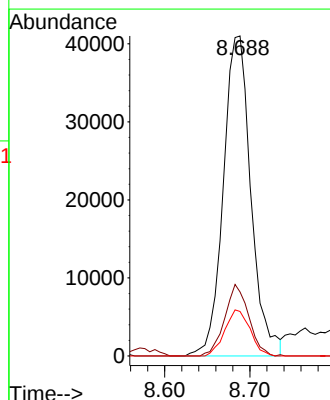
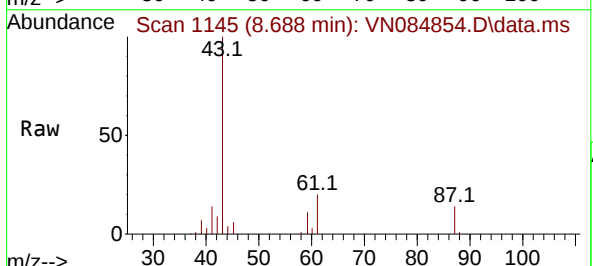
Tgt Ion: 43 Resp: 92362

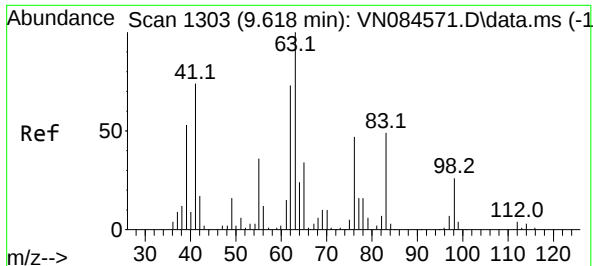
Ion Ratio Lower Upper

43 100

61 19.5 20.4 30.6#

87 13.2 10.3 15.5

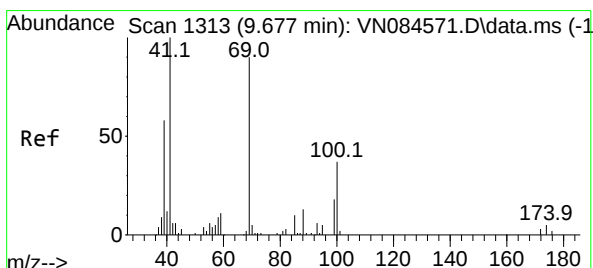
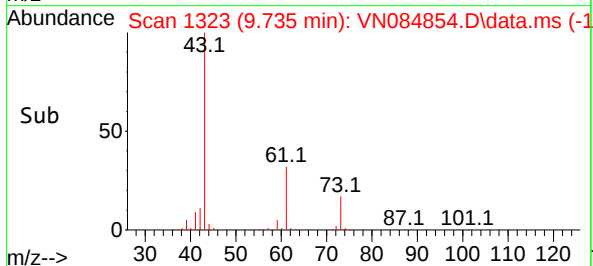
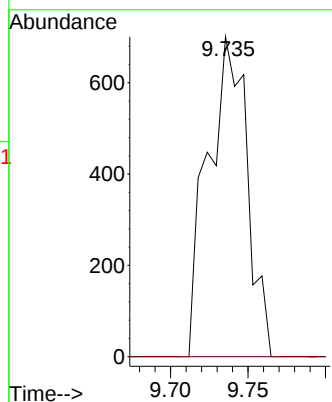
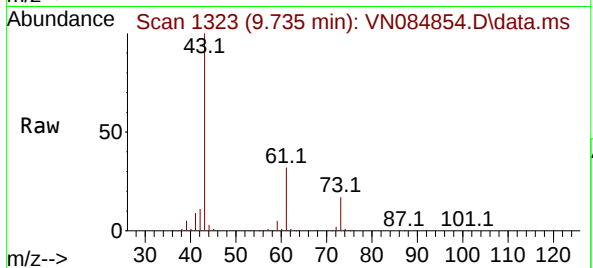




#45
1,2-Dichloropropane
Concen: 0.568 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

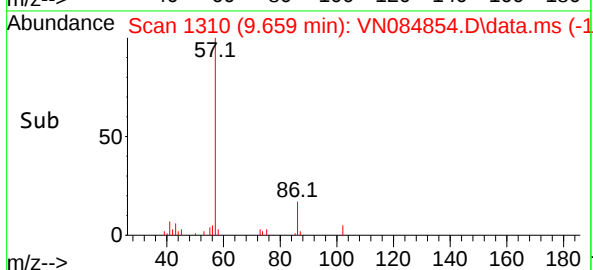
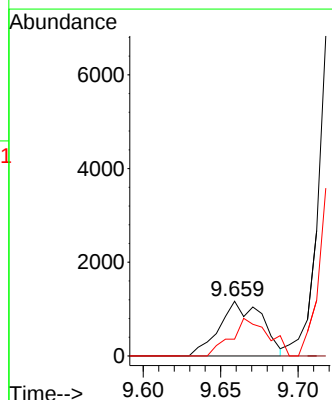
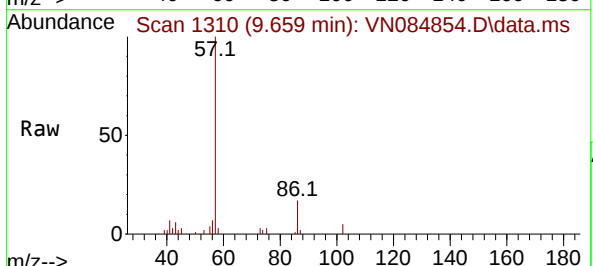
Instrument :
MSVOA_N
ClientSampleId :

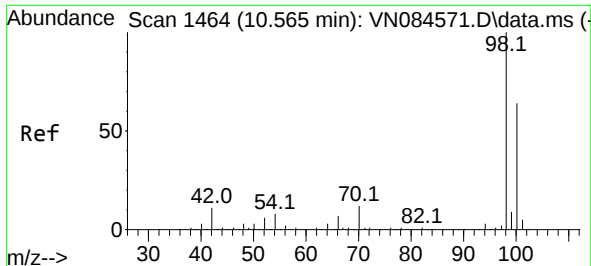
Tgt Ion: 63 Resp: 1236
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.096 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Tgt Ion: 41 Resp: 2236
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 59.8 45.8 68.6

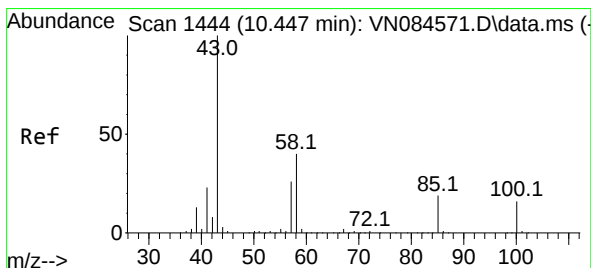
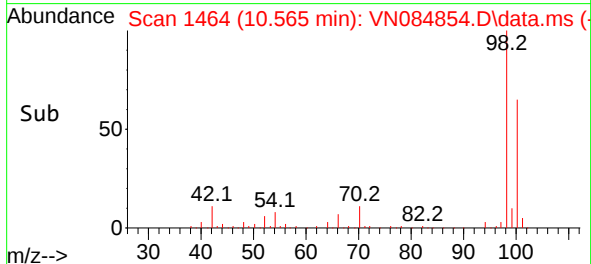
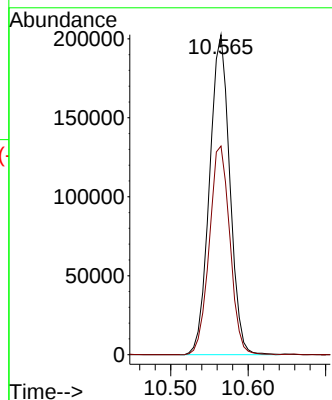
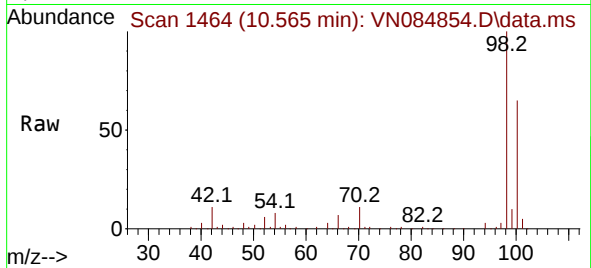




#50
Toluene-d8
Concen: 47.958 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

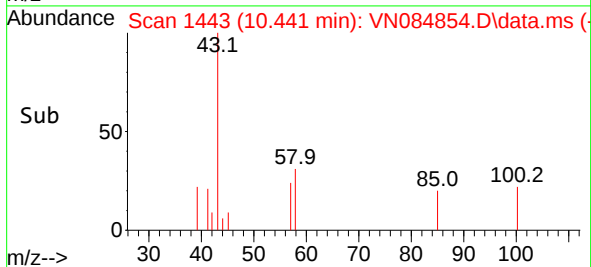
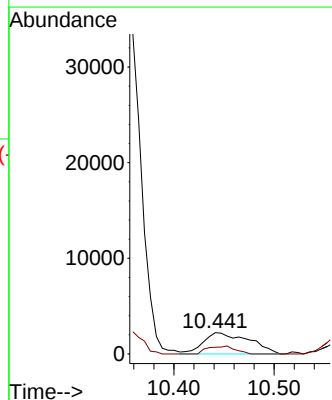
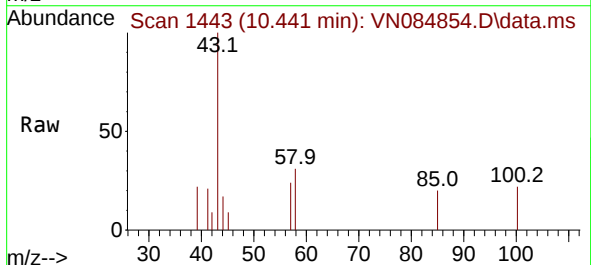
Instrument :
MSVOA_N
ClientSampleId :

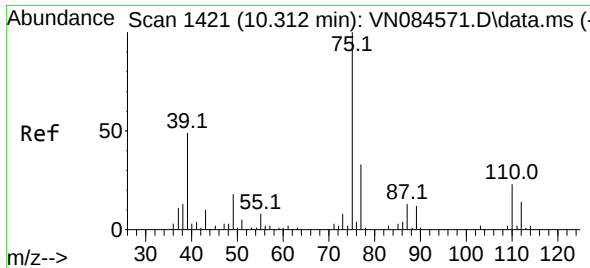
Tgt Ion: 98 Resp: 368009
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.849 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Tgt Ion: 43 Resp: 7118
Ion Ratio Lower Upper
43 100
58 22.2 31.6 47.4#

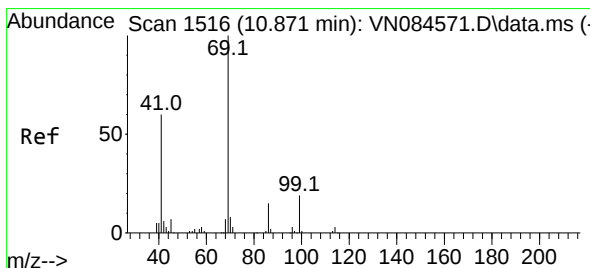
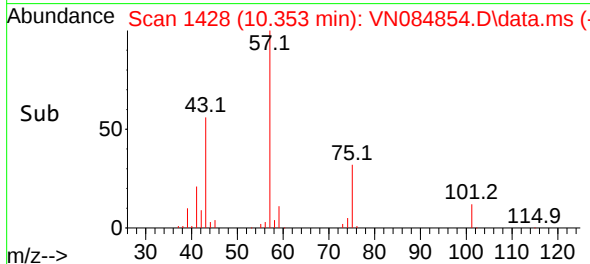
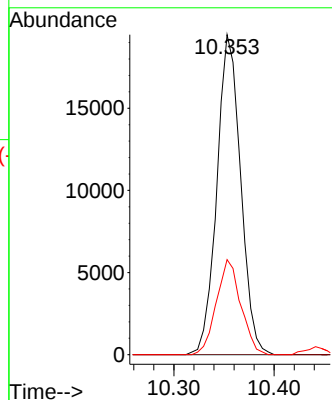
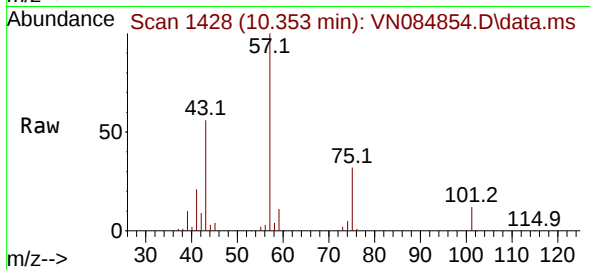




#54
 cis-1,3-Dichloropropene
 Concen: 9.022 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084854.D
 Acq: 14 Nov 2024 16:11

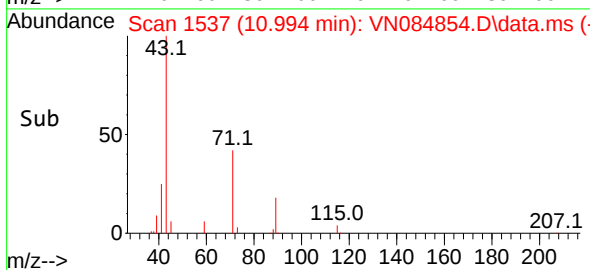
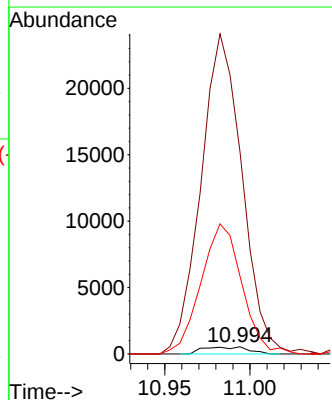
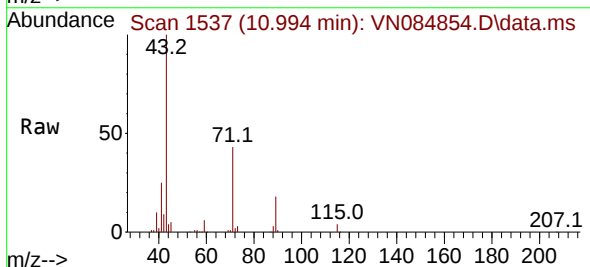
Instrument :
 MSVOA_N
 ClientSampleId :

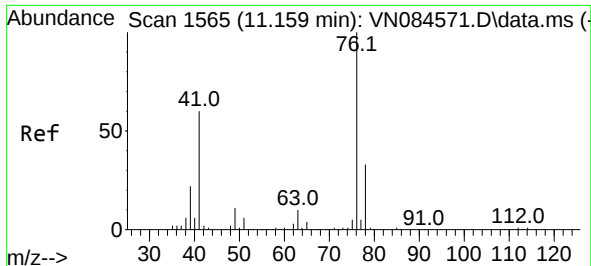
Tgt Ion: 75 Resp: 31998
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 29.7 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.330 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.124 min
 Lab File: VN084854.D
 Acq: 14 Nov 2024 16:11

Tgt Ion: 69 Resp: 975
 Ion Ratio Lower Upper
 69 100
 41 4162.1 53.3 79.9#
 39 1677.0 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.117 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

Instrument :

MSVOA_N

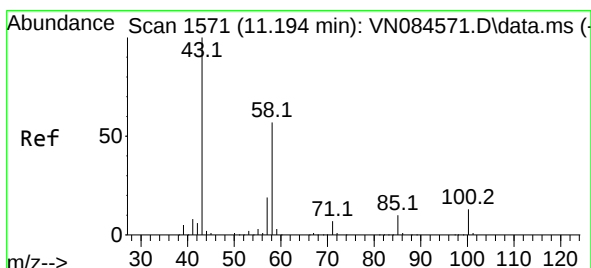
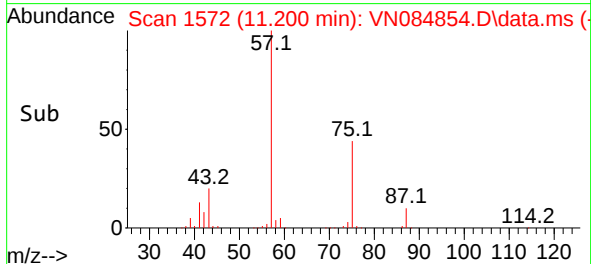
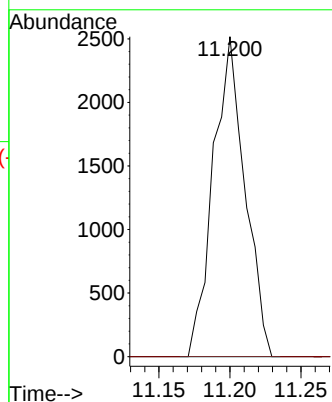
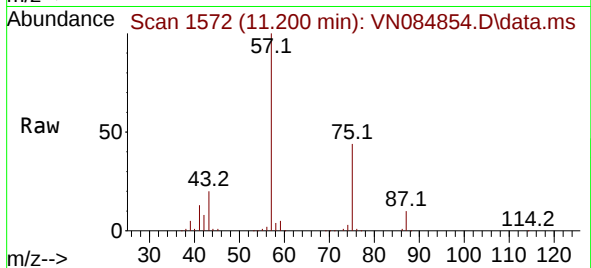
ClientSampleId :

Tgt Ion: 76 Resp: 3918

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 24.364 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084854.D

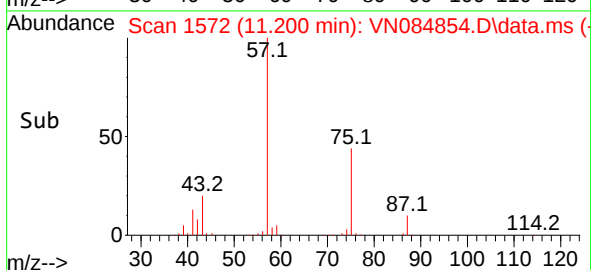
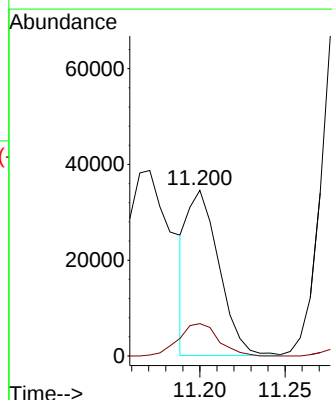
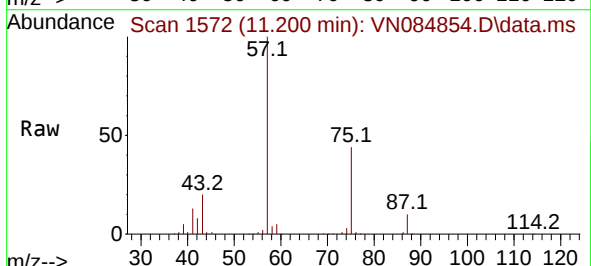
Acq: 14 Nov 2024 16:11

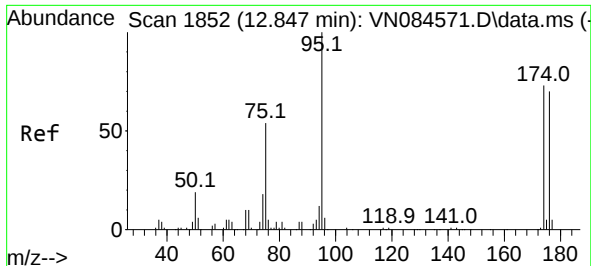
Tgt Ion: 43 Resp: 44315

Ion Ratio Lower Upper

43 100

58 24.8 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 49.721 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084854.D

Acq: 14 Nov 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :

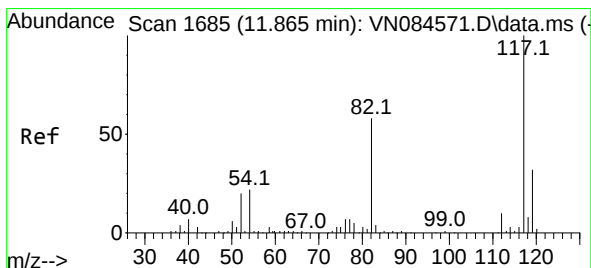
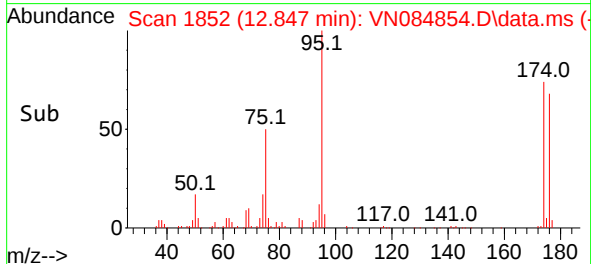
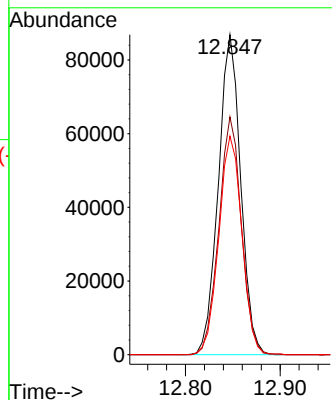
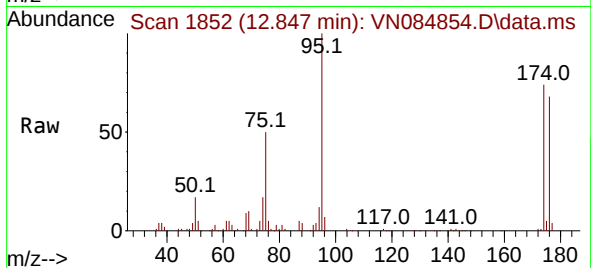
Tgt Ion: 95 Resp: 142593

Ion Ratio Lower Upper

95 100

174 74.6 0.0 145.2

176 70.7 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: VN084854.D

Acq: 14 Nov 2024 16:11

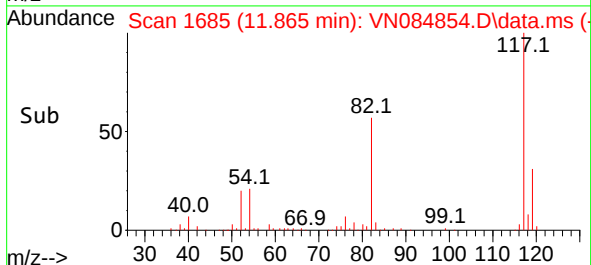
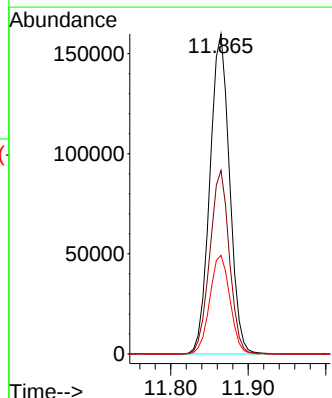
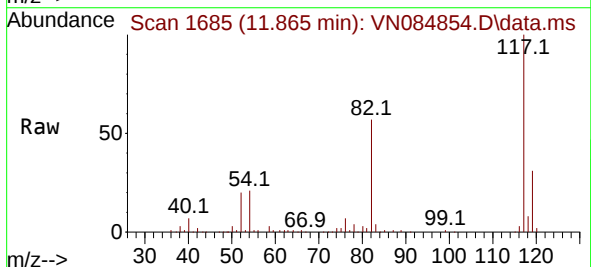
Tgt Ion: 117 Resp: 281971

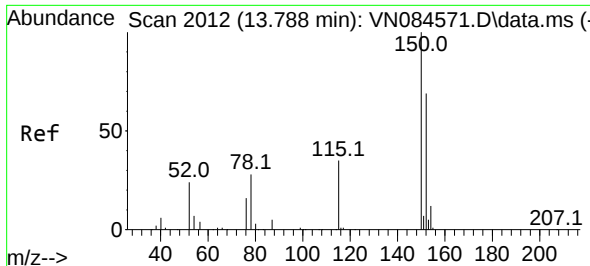
Ion Ratio Lower Upper

117 100

82 57.4 47.2 70.8

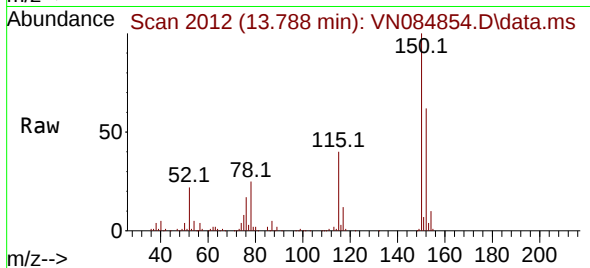
119 30.8 25.4 38.0



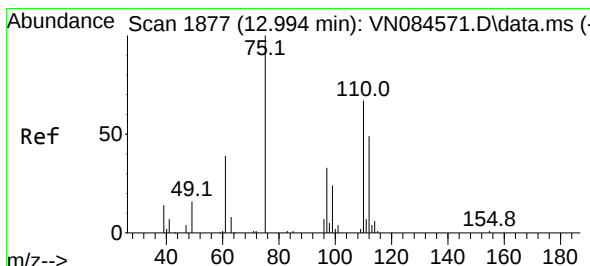
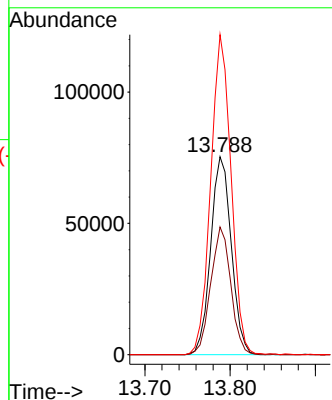
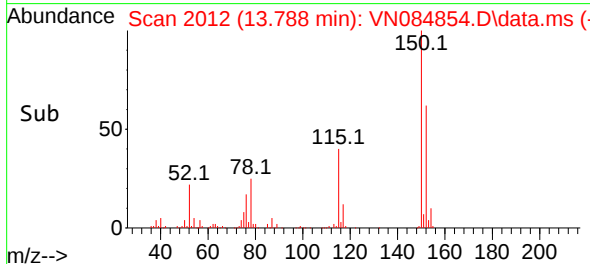


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084854.D
 Acq: 14 Nov 2024 16:11

Instrument :
 MSVOA_N
 ClientSampleId :

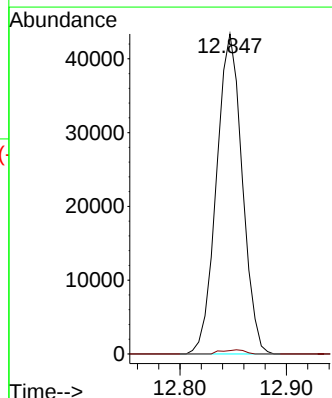
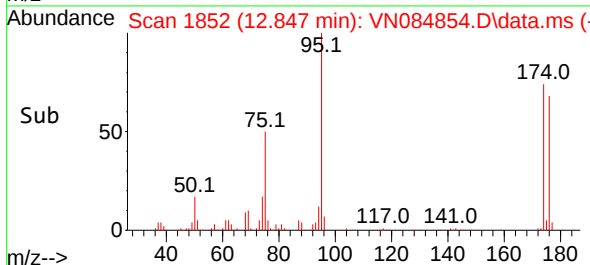
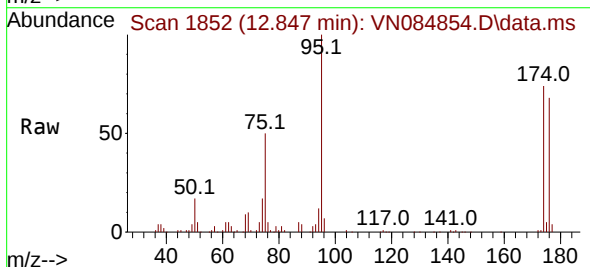


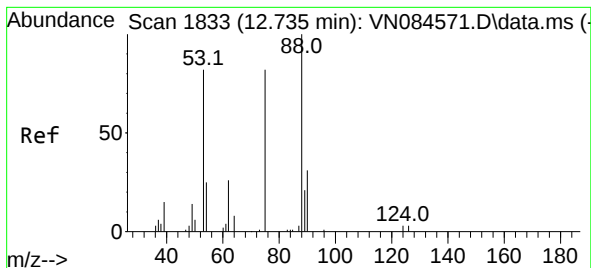
Tgt Ion:152 Resp: 126787
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.3 93.9
 150 159.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 28.699 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084854.D
 Acq: 14 Nov 2024 16:11

Tgt Ion: 75 Resp: 72736
 Ion Ratio Lower Upper
 75 100
 77 1.2 96.9 290.7#

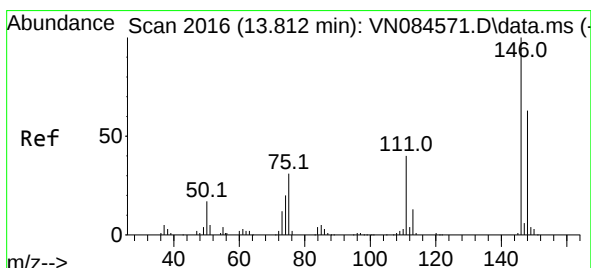
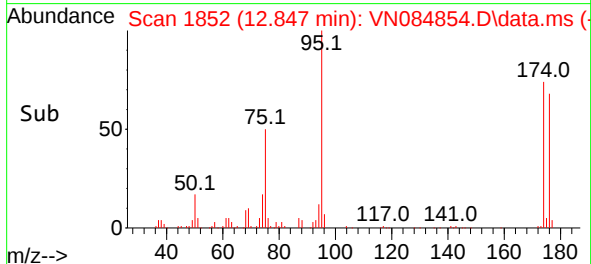
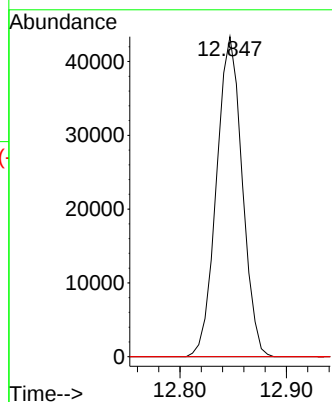
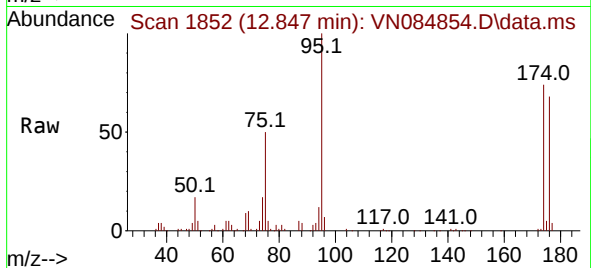




#81
trans-1,4-Dichloro-2-butene
Concen: 68.086 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 72736
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084854.D
Acq: 14 Nov 2024 16:11

Tgt Ion:146 Resp: 115
Ion Ratio Lower Upper
146 100
111 1812.2 21.2 63.6#
148 171.3 31.9 95.9#

