

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084750.D
 Acq On : 08 Nov 2024 15:20
 Operator : JC\MD
 Sample : P4774-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 22:31:57 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

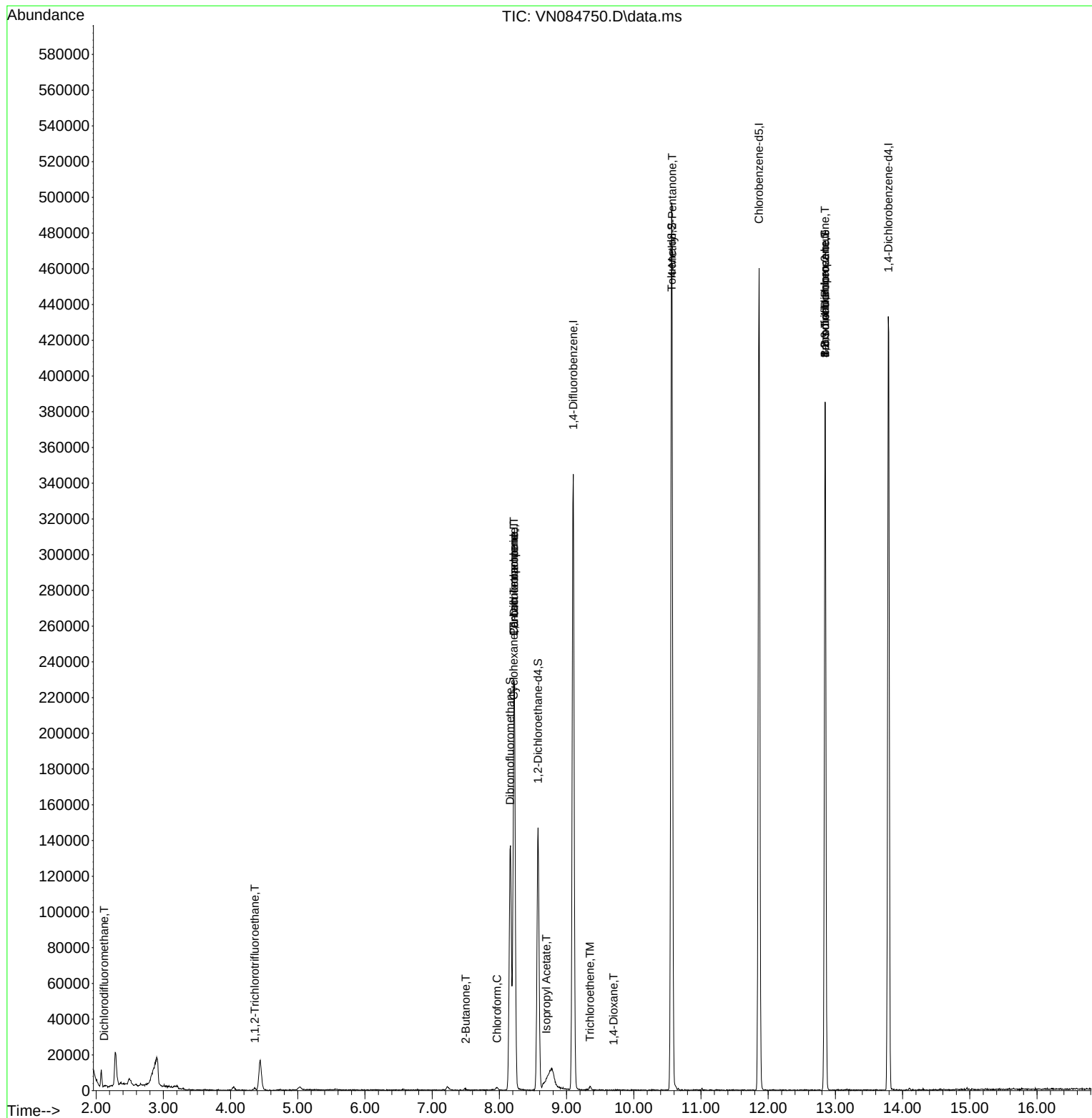
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119100	48.598	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.200%
35) Dibromofluoromethane	8.159	113	99273	48.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.340%
50) Toluene-d8	10.565	98	344787	45.886	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.780%
62) 4-Bromofluorobenzene	12.847	95	131107	46.687	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	907	0.465	ug/l #	39
3) Chloromethane	2.371	50	655	Below Cal	#	41
6) Chloroethane	3.118	64	621	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	4.359	101	1149	0.588	ug/l #	66
18) Methyl Acetate	5.036	43	4162	Below Cal		91
25) 2-Butanone	7.500	43	230	0.201	ug/l #	48
30) Chloroform	7.965	83	1867	0.491	ug/l	94
31) Cyclohexane	8.212	56	3700	1.094	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	12719	4.496	ug/l #	53
38) Carbon Tetrachloride	8.218	117	18036	5.704	ug/l #	16
43) Isopropyl Acetate	8.700	43	6211	0.351	ug/l #	56
44) Trichloroethene	9.347	130	694	0.331	ug/l	95
49) 1,4-Dioxane	9.700	88	136	3.842	ug/l #	23
51) 4-Methyl-2-Pentanone	10.571	43	1536	0.628	ug/l #	1
71) Bromoform	12.847	173	1038	0.683	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	67101	27.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67101	65.604	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	131	Below Cal	#	1

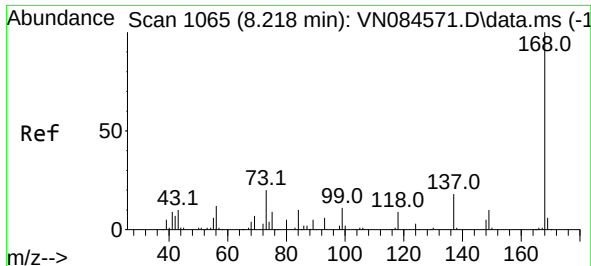
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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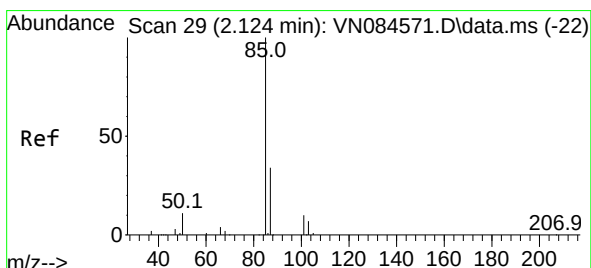
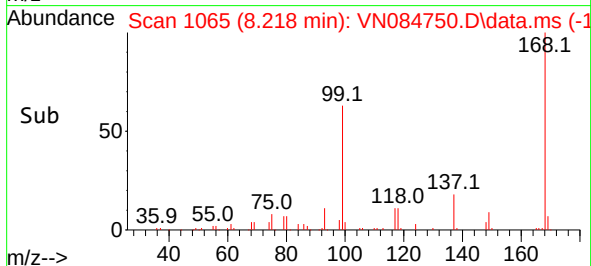
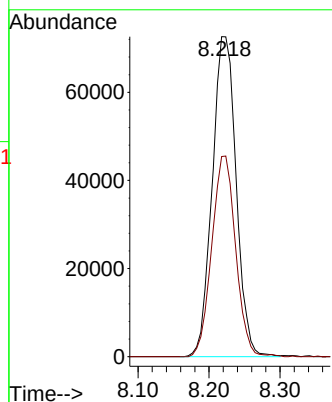
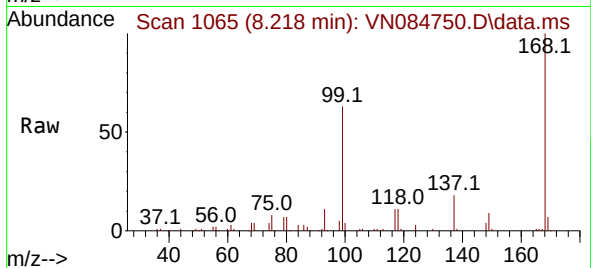




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

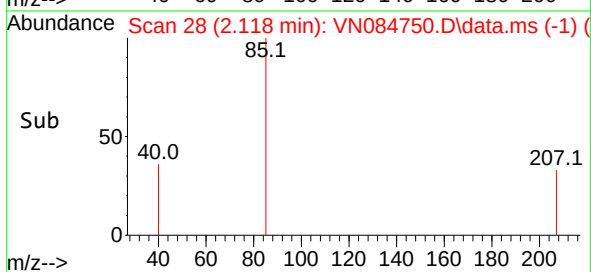
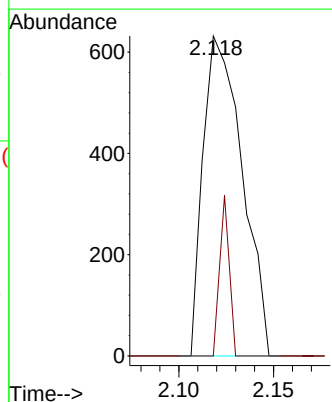
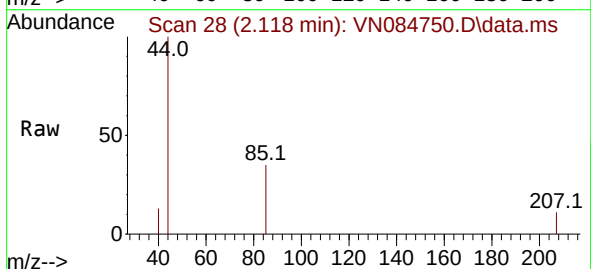
Instrument :
MSVOA_N
ClientSampleId :

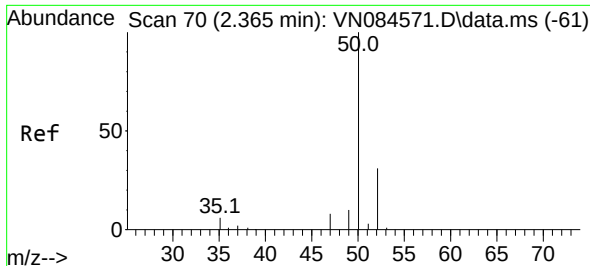
Tgt Ion:168 Resp: 169679
Ion Ratio Lower Upper
168 100
99 62.5 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.465 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion: 85 Resp: 907
Ion Ratio Lower Upper
85 100
87 0.0 17.6 52.9#





#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

Instrument :

MSVOA_N

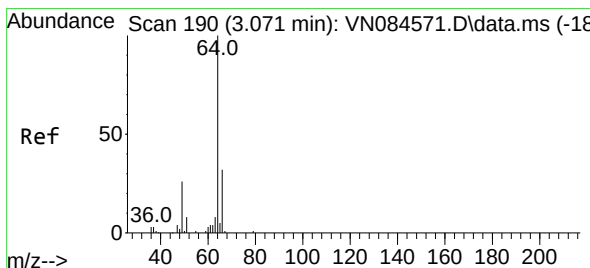
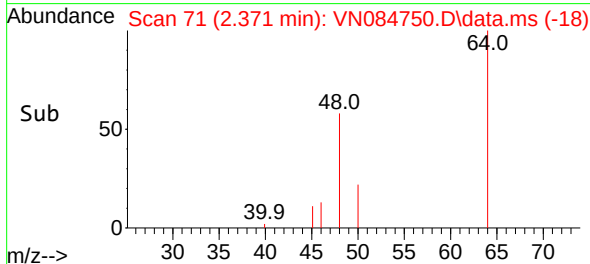
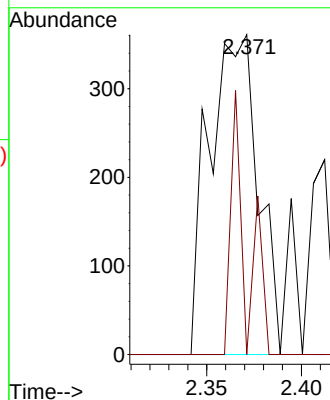
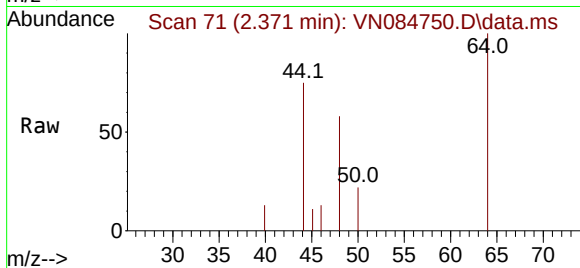
ClientSampleId :

Tgt Ion: 50 Resp: 655

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



#6

Chloroethane

Concen: Below Cal

RT: 3.118 min Scan# 198

Delta R.T. 0.000 min

Lab File: VN084750.D

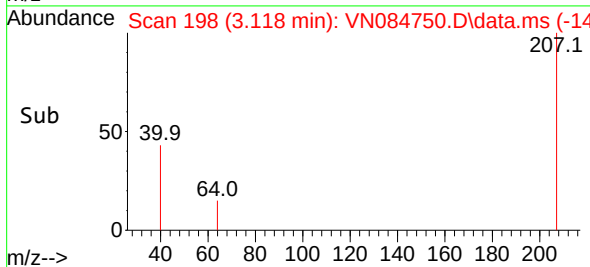
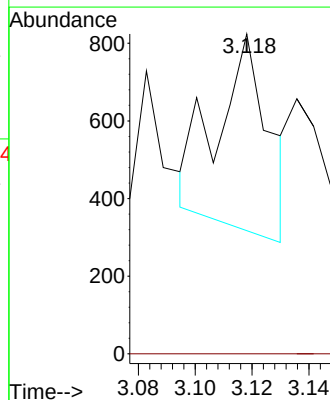
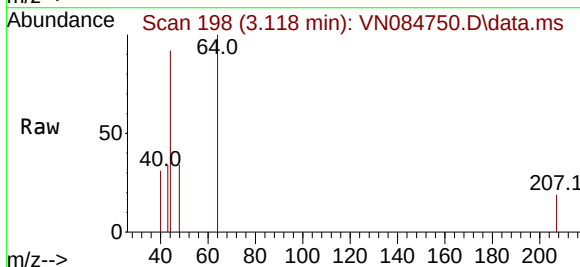
Acq: 08 Nov 2024 15:20

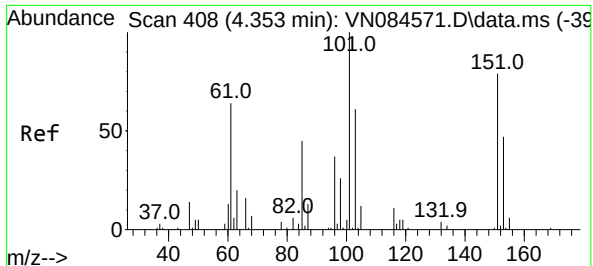
Tgt Ion: 64 Resp: 621

Ion Ratio Lower Upper

64 100

66 0.0 23.5 35.3#

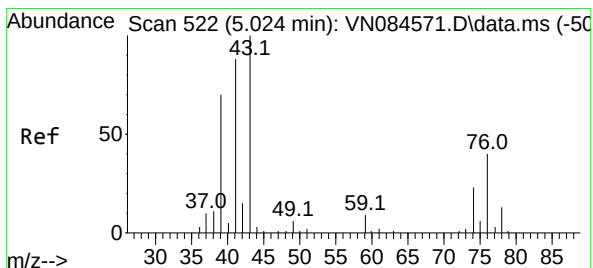
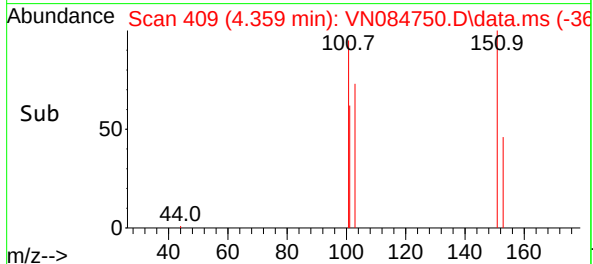
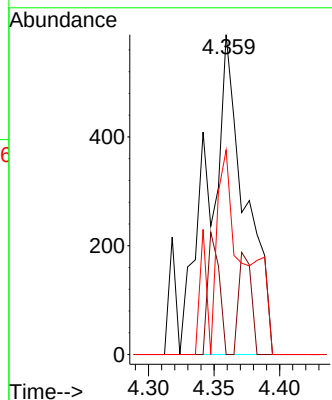
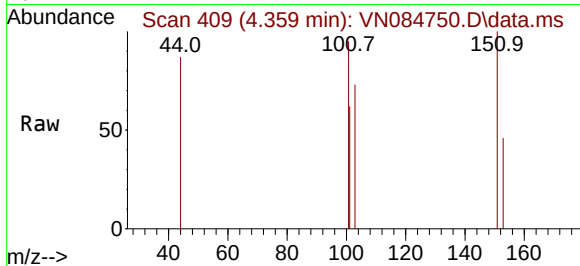




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.588 ug/l
RT: 4.359 min Scan# 408
Delta R.T. -0.012 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

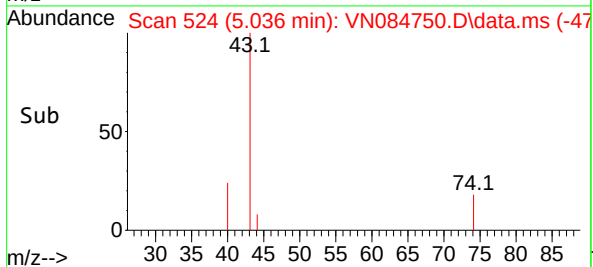
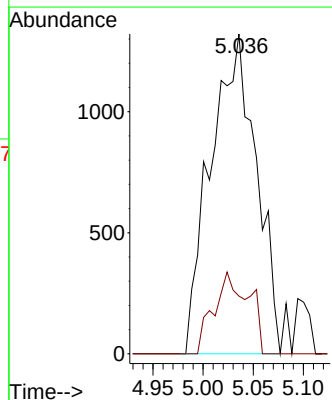
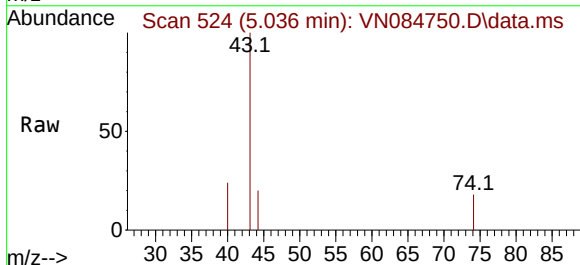
Instrument :
MSVOA_N
ClientSampleId :

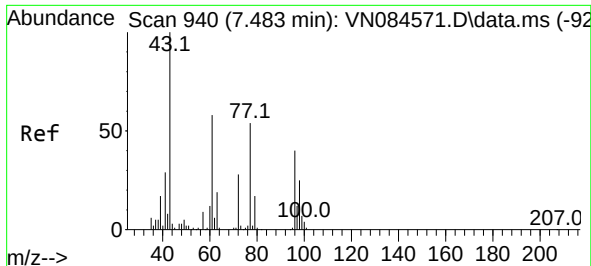
Tgt Ion:101 Resp: 1149
Ion Ratio Lower Upper
101 100
85 10.9 36.2 54.4#
151 54.4 59.3 88.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

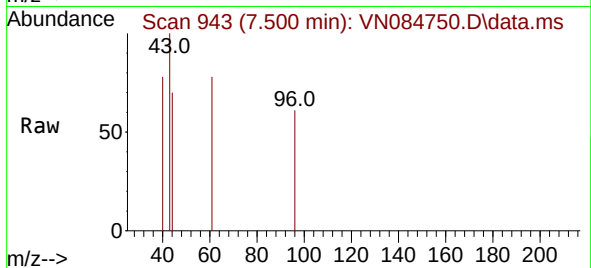
Tgt Ion: 43 Resp: 4162
Ion Ratio Lower Upper
43 100
74 19.6 19.2 28.8



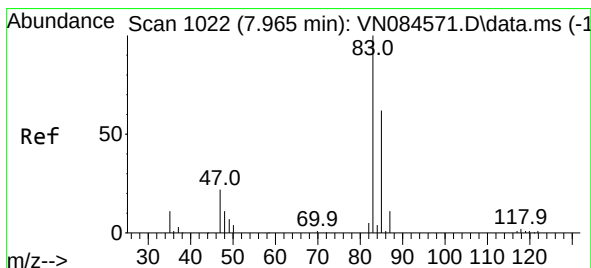
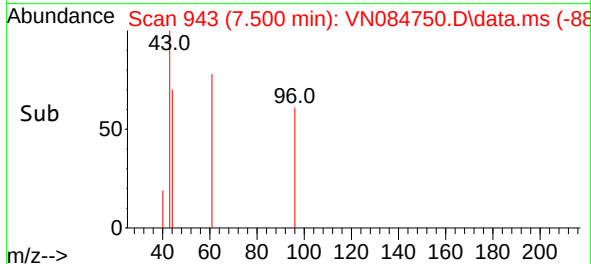
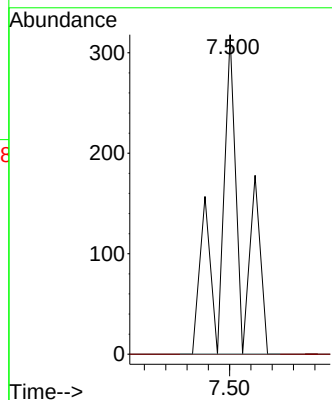


#25
2-Butanone
Concen: 0.201 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

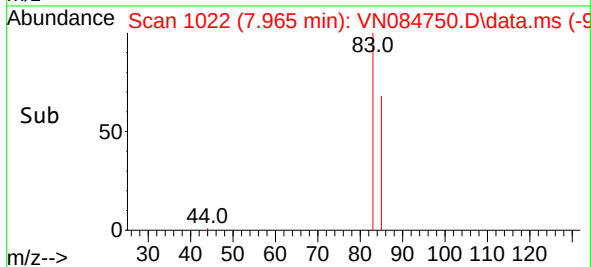
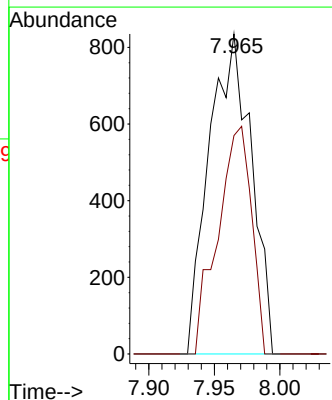
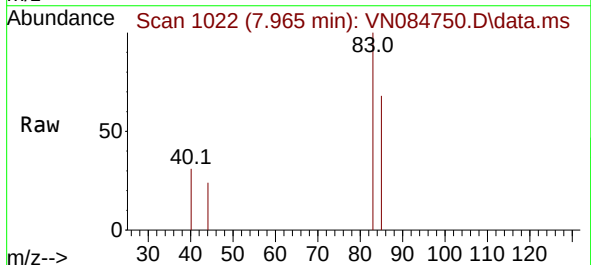


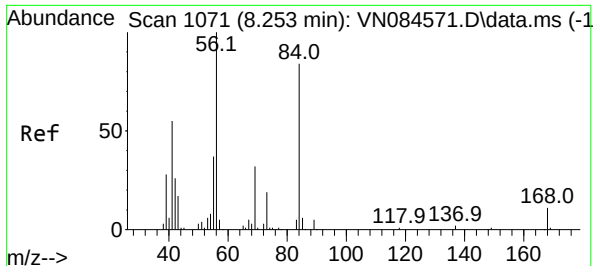
Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#30
Chloroform
Concen: 0.491 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

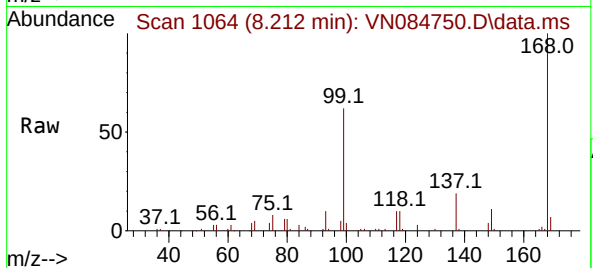
Tgt Ion: 83 Resp: 1867
Ion Ratio Lower Upper
83 100
85 68.3 51.0 76.4



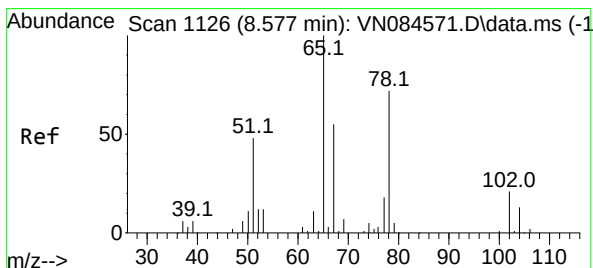
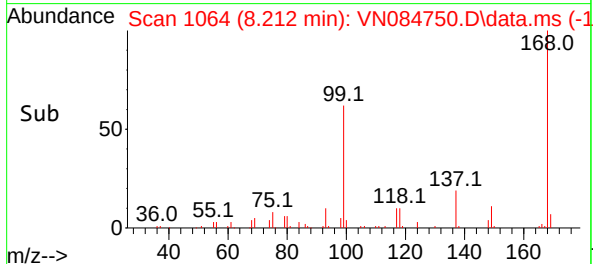
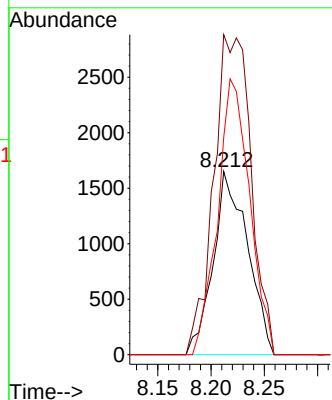


#31
Cyclohexane
Concen: 1.094 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

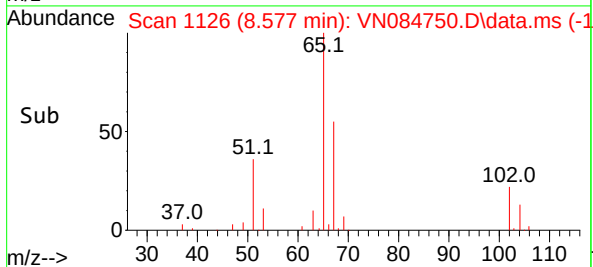
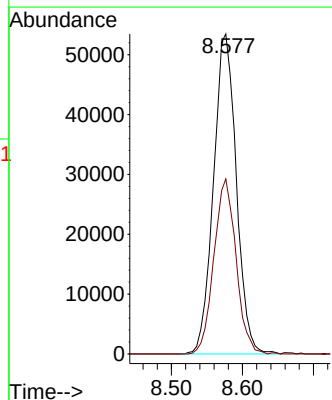
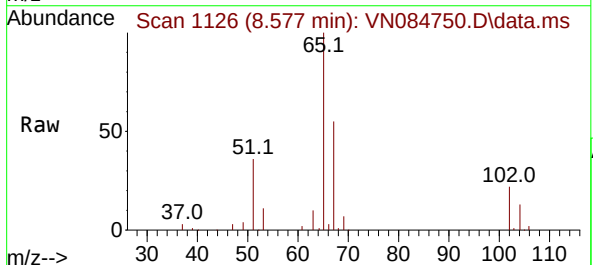


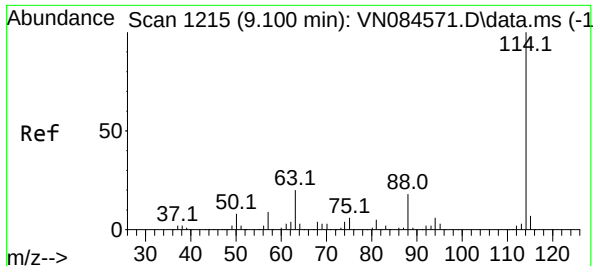
Tgt Ion: 56 Resp: 3700
Ion Ratio Lower Upper
56 100
69 174.6 23.8 35.6#
84 118.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.598 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion: 65 Resp: 119100
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :

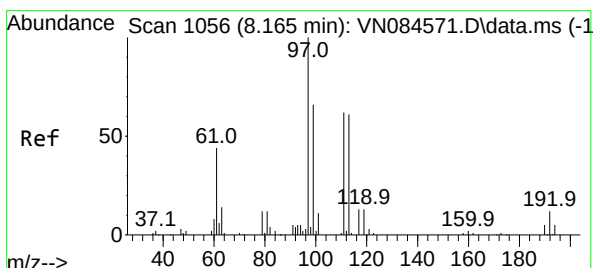
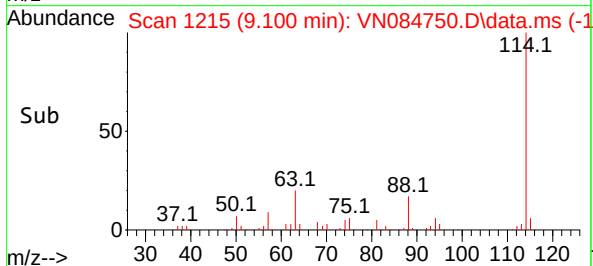
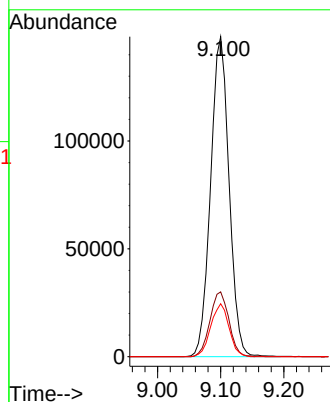
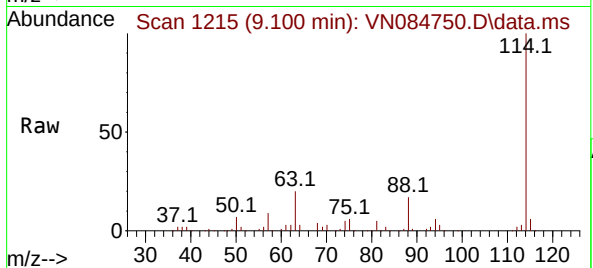
Tgt Ion:114 Resp: 301356

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.8

88 16.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.668 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

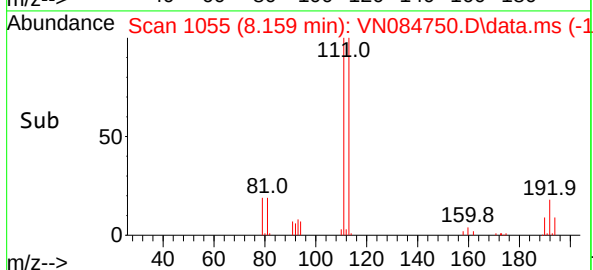
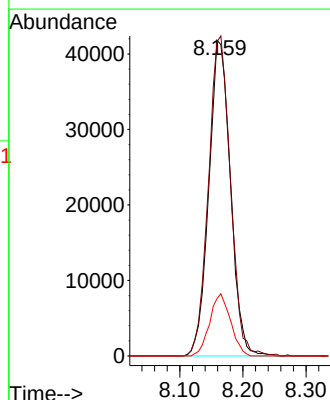
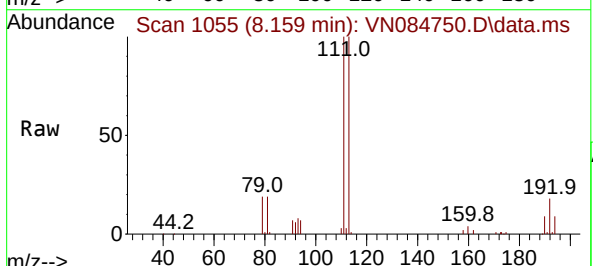
Tgt Ion:113 Resp: 99273

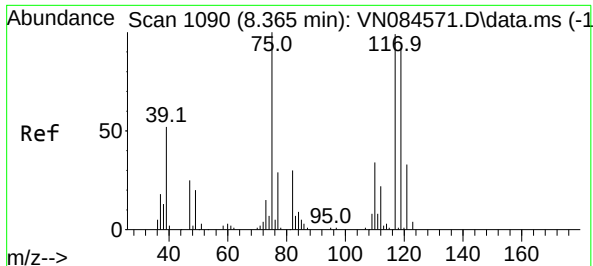
Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 19.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084750.D

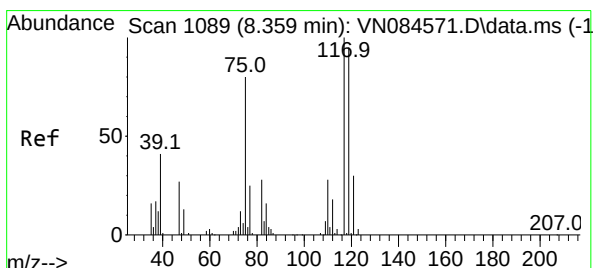
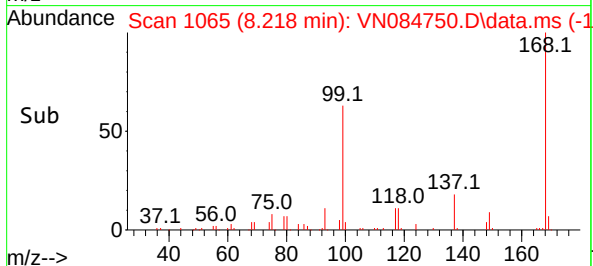
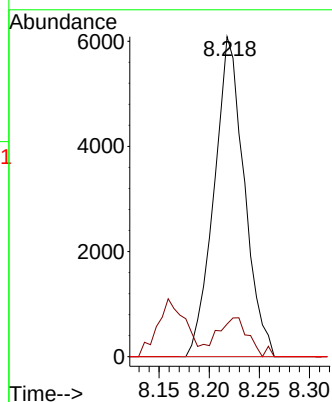
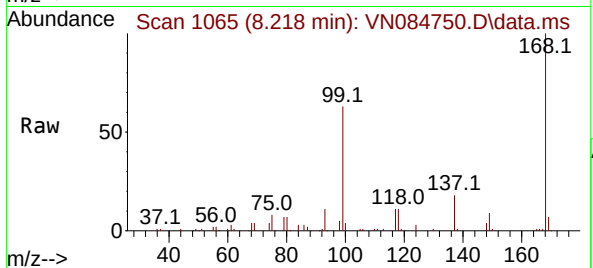
Acq: 08 Nov 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp:	12719
Ion Ratio	Lower	Upper
75	100	
110	11.9	16.9 50.7#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.704 ug/l

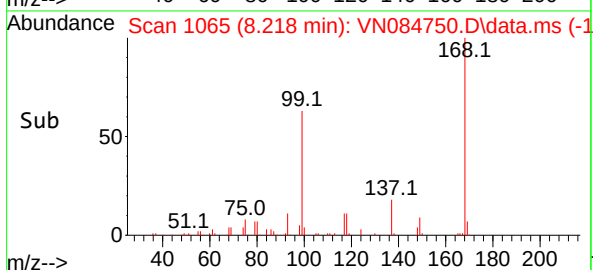
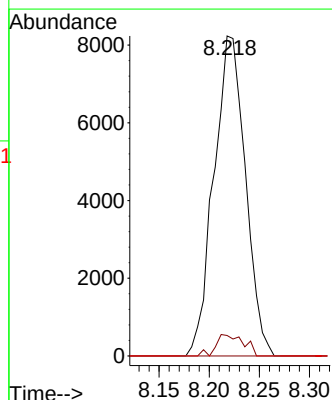
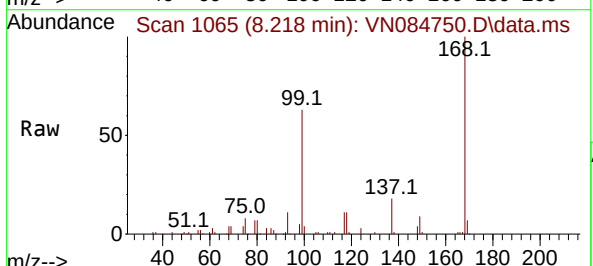
RT: 8.218 min Scan# 1065

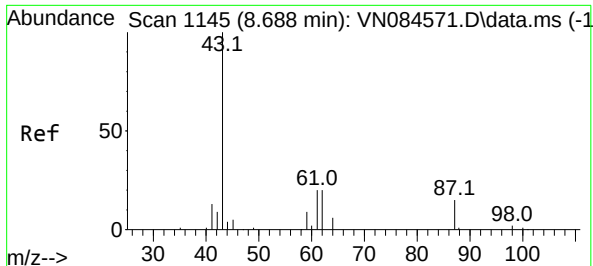
Delta R.T. -0.141 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

Tgt Ion: 117	Resp:	18036
Ion Ratio	Lower	Upper
117	100	
119	6.4	78.7 118.1#
121	0.0	24.4 36.6#

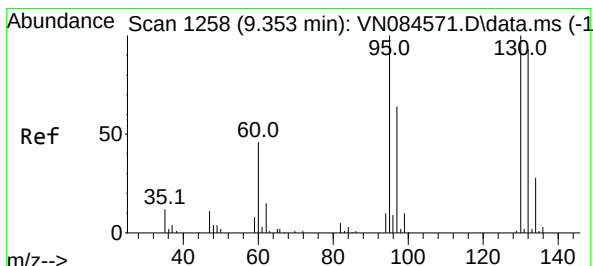
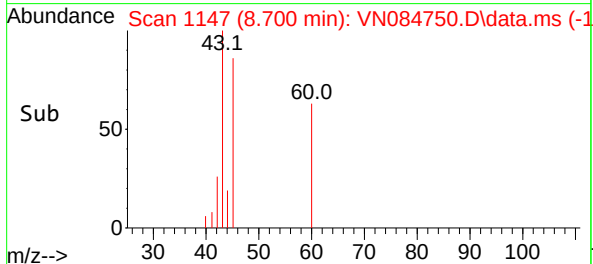
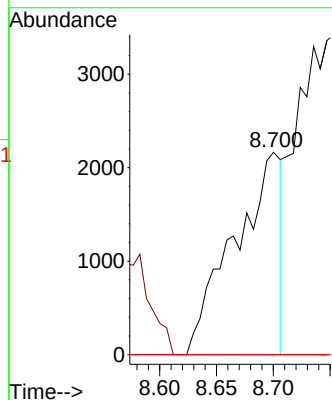
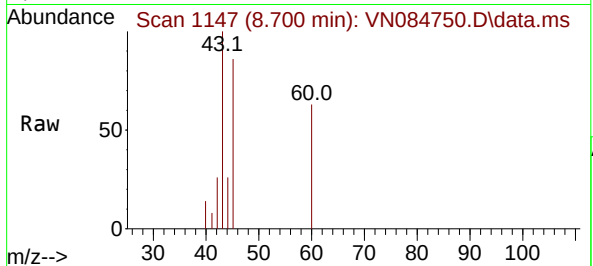




#43
Isopropyl Acetate
Concen: 0.351 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

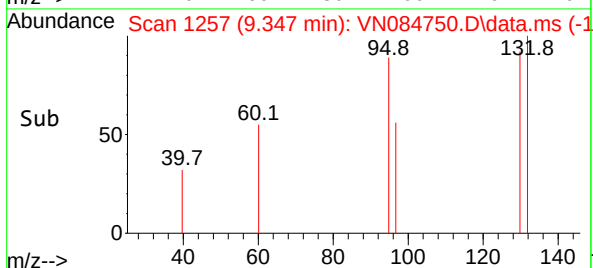
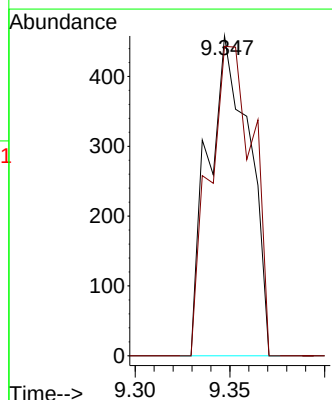
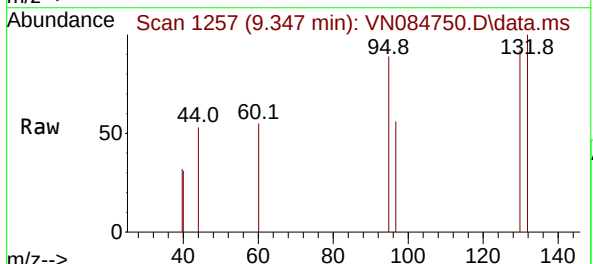
Instrument :
MSVOA_N
ClientSampleId :

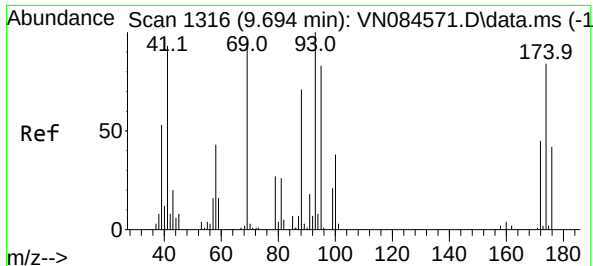
Tgt Ion: 43 Resp: 6211
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 0.331 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion: 130 Resp: 694
Ion Ratio Lower Upper
130 100
95 96.7 0.0 203.0





#49

1,4-Dioxane

Concen: 3.842 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :

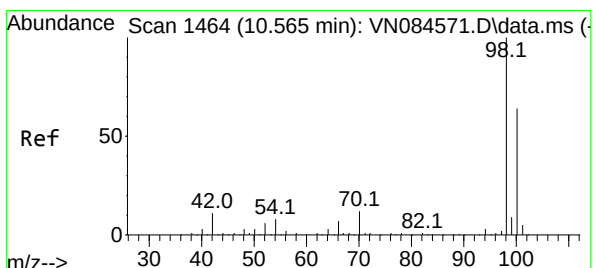
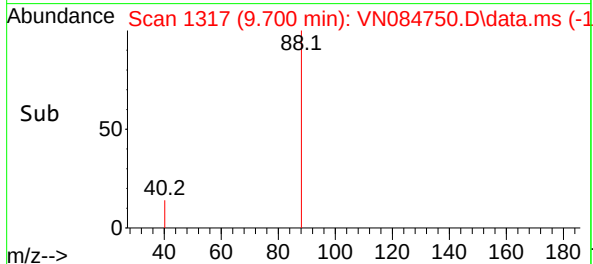
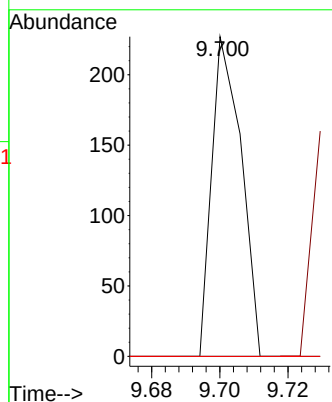
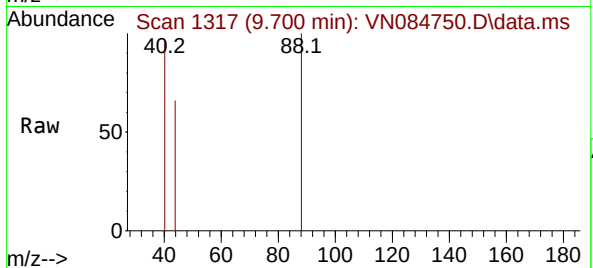
Tgt Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 45.886 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084750.D

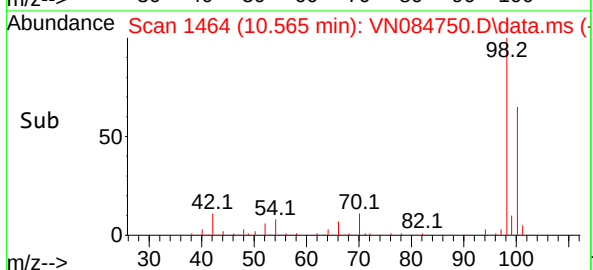
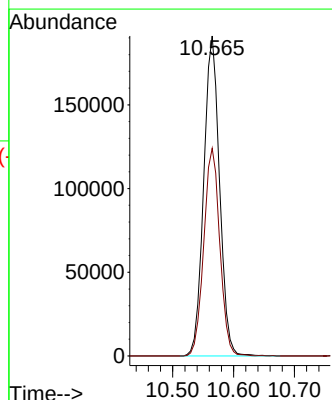
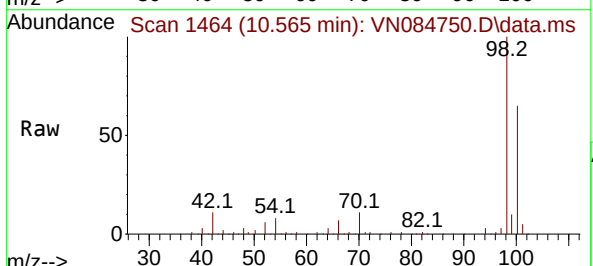
Acq: 08 Nov 2024 15:20

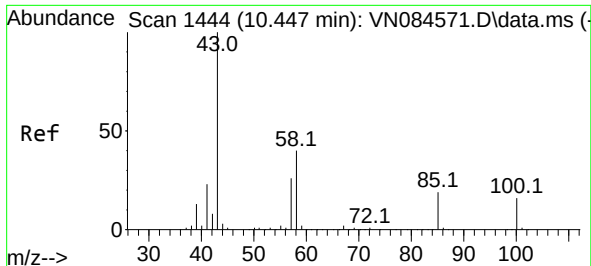
Tgt Ion: 98 Resp: 344787

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.628 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.129 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

Instrument :

MSVOA_N

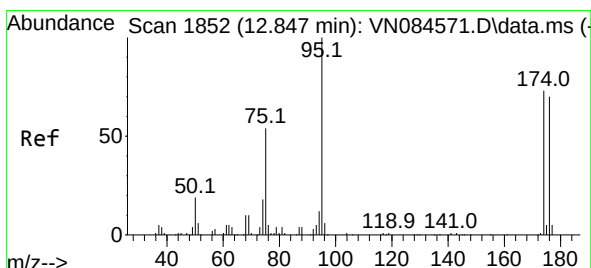
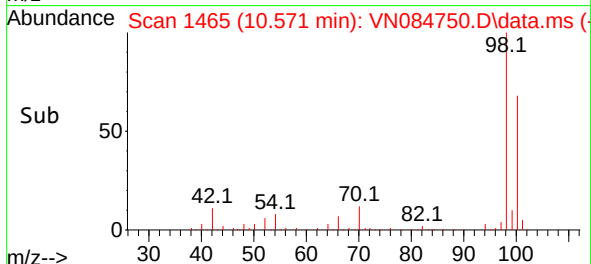
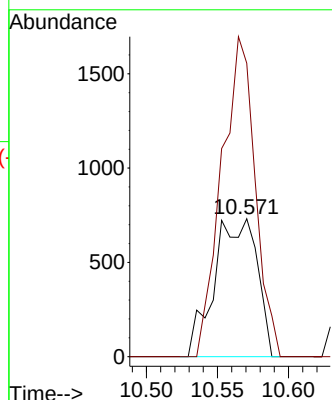
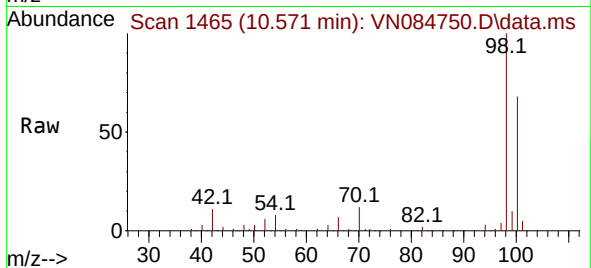
ClientSampleId :

Tgt Ion: 43 Resp: 1536

Ion Ratio Lower Upper

43 100

58 181.4 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 46.687 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

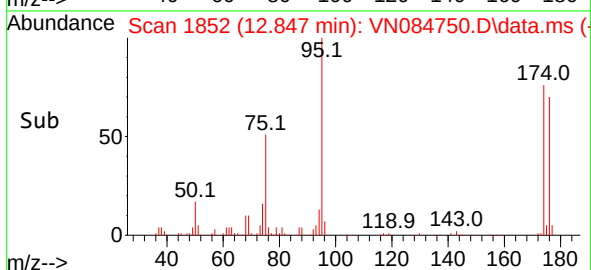
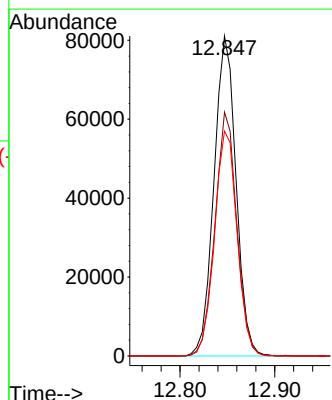
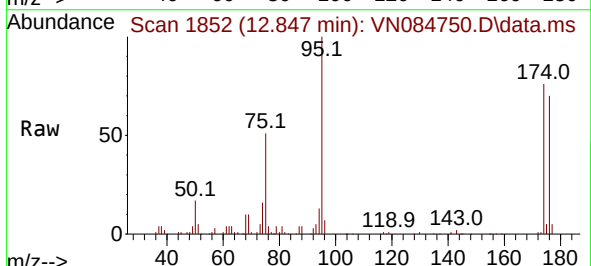
Tgt Ion: 95 Resp: 131107

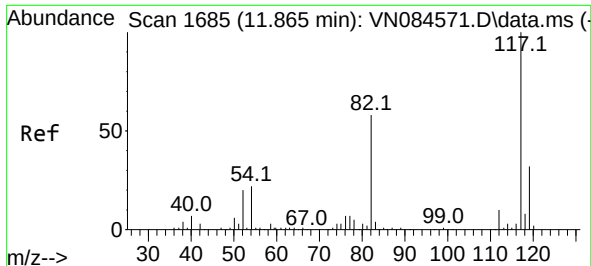
Ion Ratio Lower Upper

95 100

174 75.8 0.0 145.2

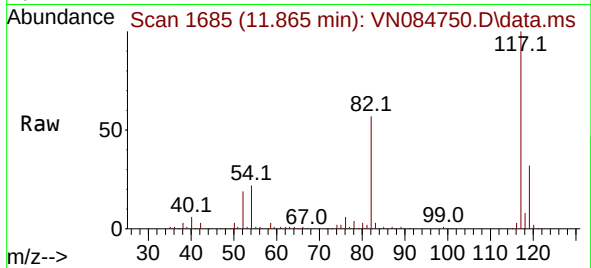
176 71.7 0.0 140.0



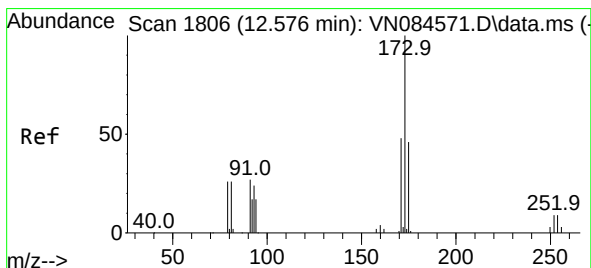
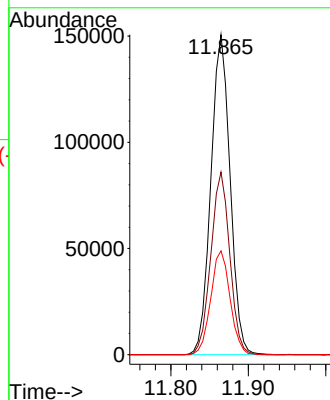
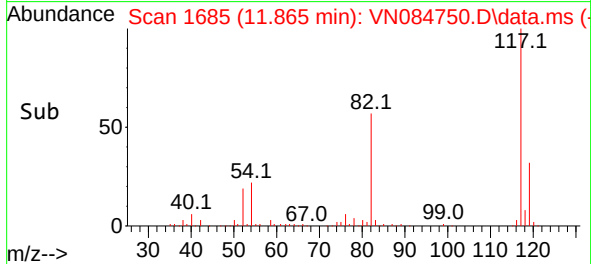


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

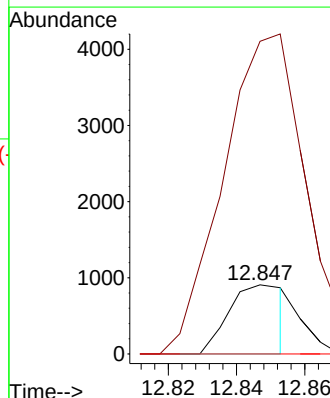
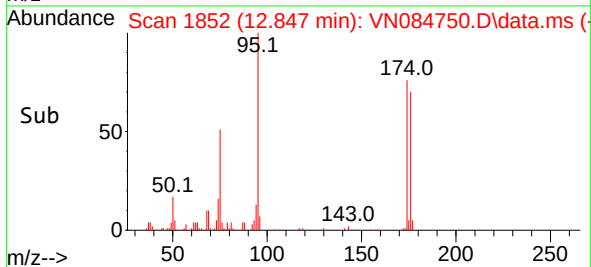
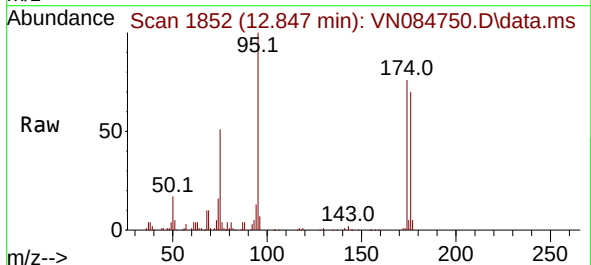


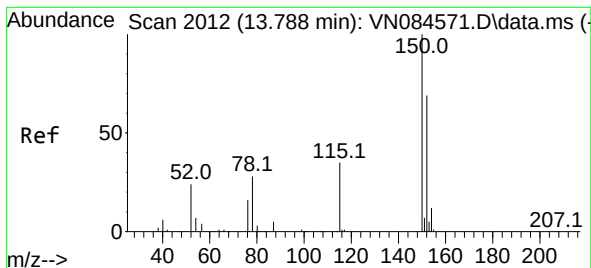
Tgt Ion:117 Resp: 259431
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 0.683 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion:173 Resp: 1038
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084750.D

Acq: 08 Nov 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :

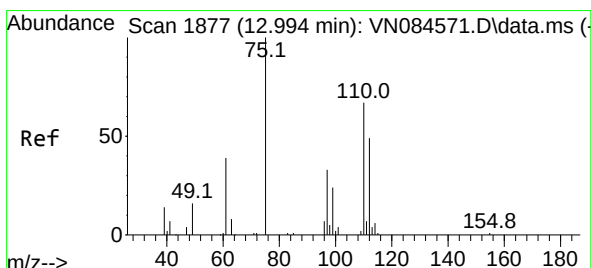
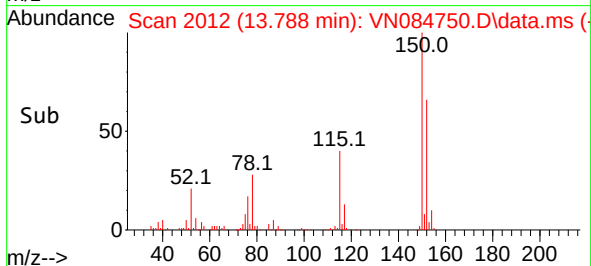
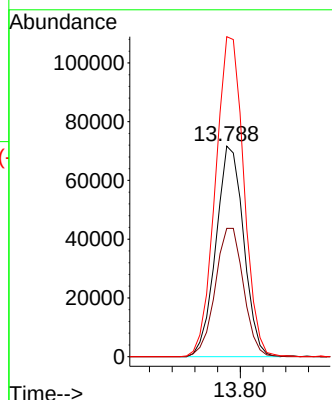
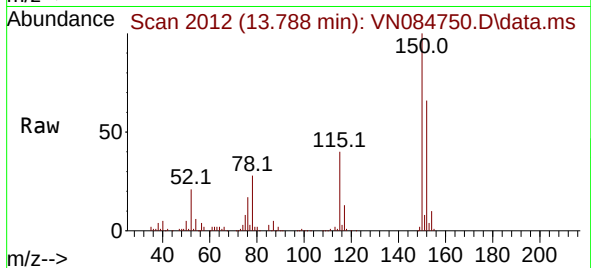
Tgt Ion:152 Resp: 121391

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.9

150 155.5 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.653 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084750.D

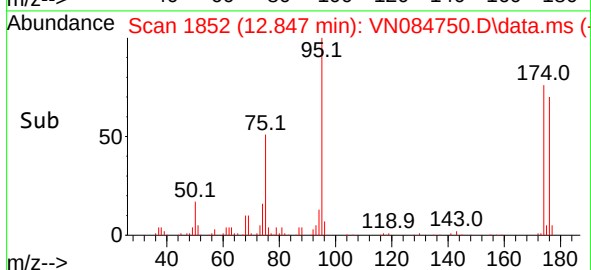
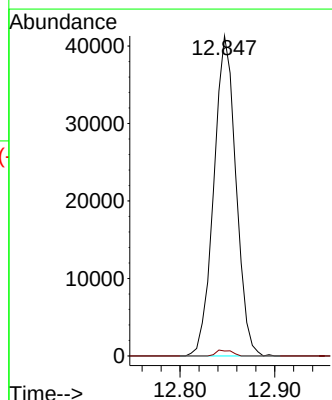
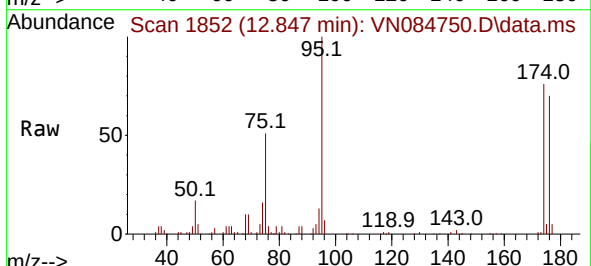
Acq: 08 Nov 2024 15:20

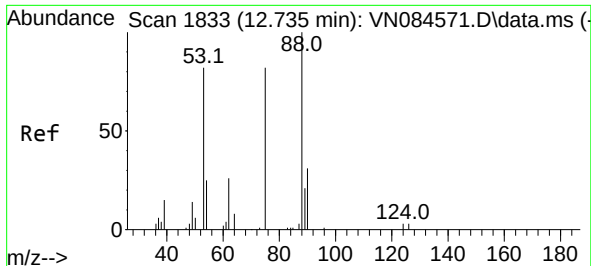
Tgt Ion: 75 Resp: 67101

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

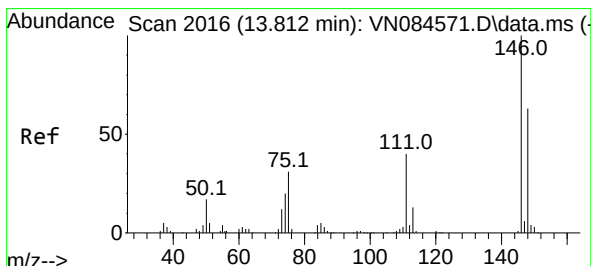
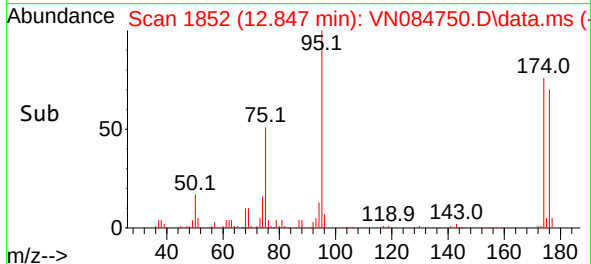
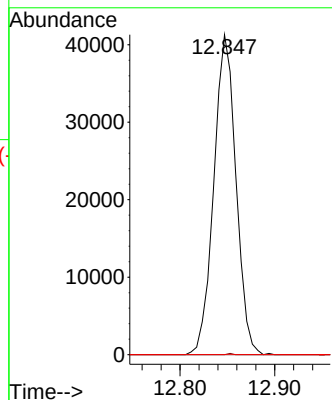
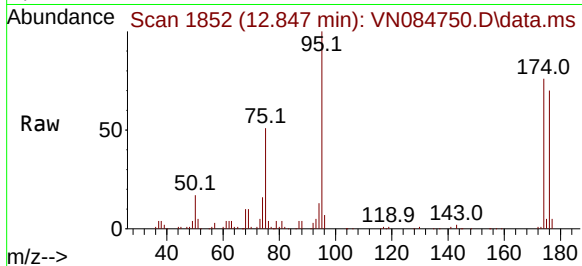




#81
trans-1,4-Dichloro-2-butene
Concen: 65.604 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67101
Ion Ratio Lower Upper
75 100
53 0.1 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: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion:146 Resp: 131
Ion Ratio Lower Upper
146 100
111 1409.2 21.2 63.6#
148 329.0 31.9 95.9#

