

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084248.D
 Acq On : 01 Oct 2024 18:42
 Operator : JC\MD
 Sample : P4241-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

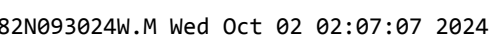
Instrument :
 MSVOA_N
 ClientSampleId :

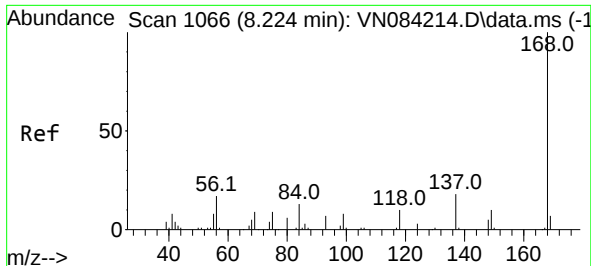
Quant Time: Oct 02 02:06:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	118583	49.058	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.120%
35) Dibromofluoromethane	8.165	113	93688	50.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.380%
50) Toluene-d8	10.565	98	341030	49.657	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.320%
62) 4-Bromofluorobenzene	12.847	95	107492	42.963	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	753	0.390	ug/l #	39
9) 1,1,2-Trichlorotrifluo...	4.377	101	26613	13.985	ug/l	98
12) 1,1-Dichloroethene	4.347	96	1778	0.969	ug/l #	92
27) cis-1,2-Dichloroethene	7.488	96	5320	2.289	ug/l	83
30) Chloroform	7.971	83	1101	0.287	ug/l	97
31) Cyclohexane	8.224	56	3761	1.050	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14643	5.401	ug/l #	51
38) Carbon Tetrachloride	8.365	117	1408	0.473	ug/l #	96
39) Methylcyclohexane	9.347	83	2134	0.707	ug/l #	1
42) 1,2-Dichloroethane	8.677	62	651	0.227	ug/l #	75
44) Trichloroethene	9.353	130	146958	74.482	ug/l	98
45) 1,2-Dichloropropane	9.347	63	514	0.257	ug/l #	1
49) 1,4-Dioxane	9.706	88	716	17.932	ug/l #	84
51) 4-Methyl-2-Pentanone	10.565	43	1372	0.518	ug/l #	1
60) Dibromochloromethane	11.100	129	896	0.411	ug/l #	11
64) Tetrachloroethene	11.106	164	840	0.504	ug/l	92
71) Bromoform	12.841	173	645	0.480	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	56914	29.625	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56914	71.024	ug/l #	11

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

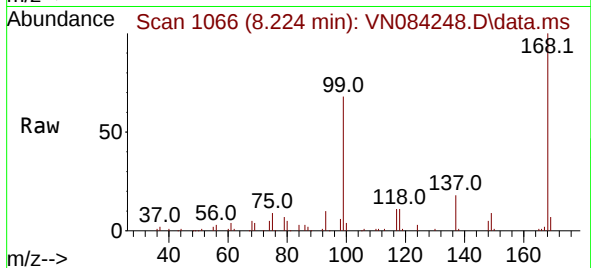
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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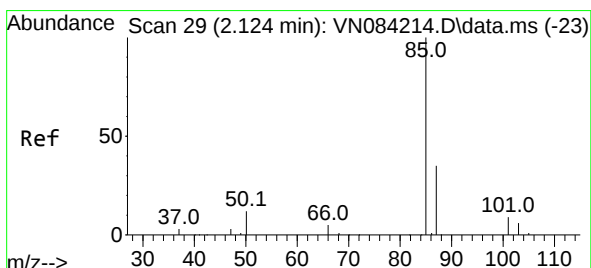
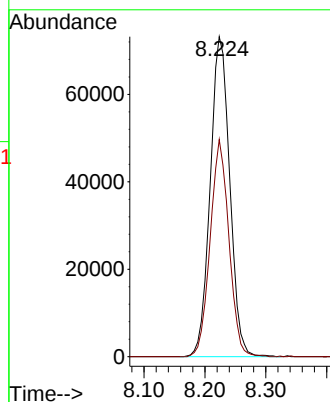
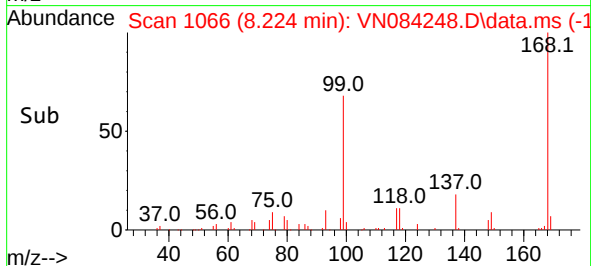


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

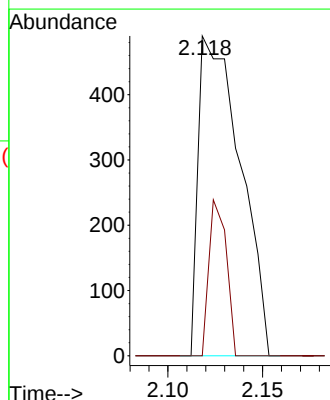
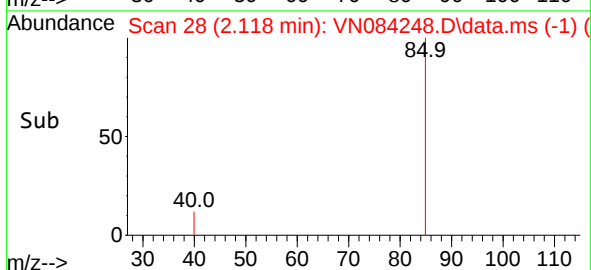
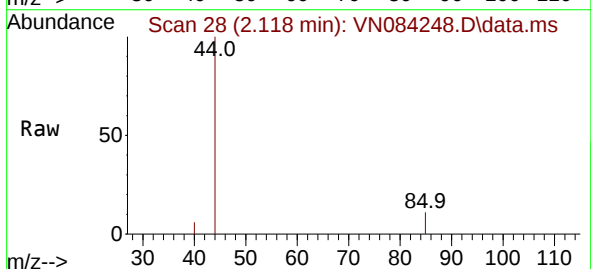


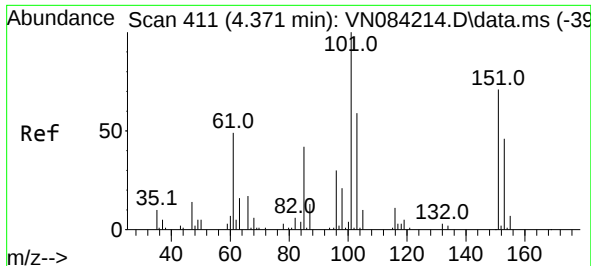
Tgt Ion:168 Resp: 163027
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.390 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Tgt Ion: 85 Resp: 753
Ion Ratio Lower Upper
85 100
87 0.0 17.6 52.9

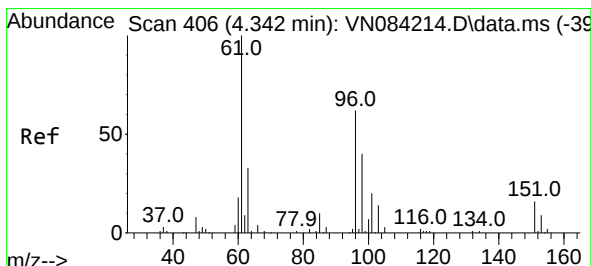
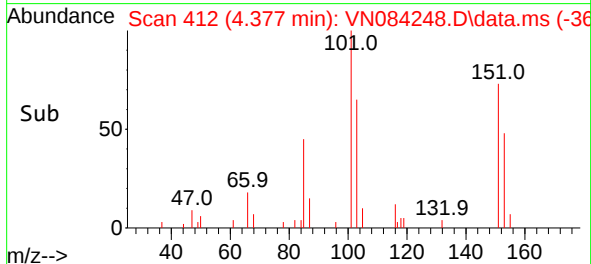
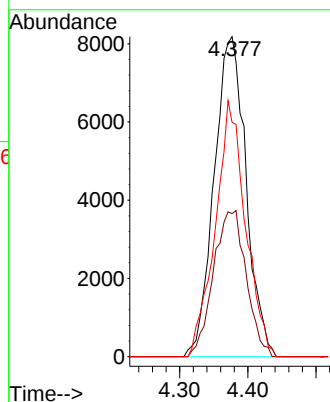
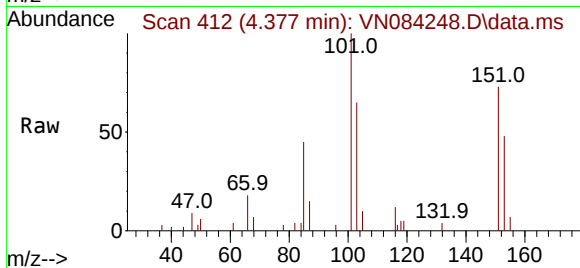




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.985 ug/l
 RT: 4.377 min Scan# 411
 Delta R.T. 0.006 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

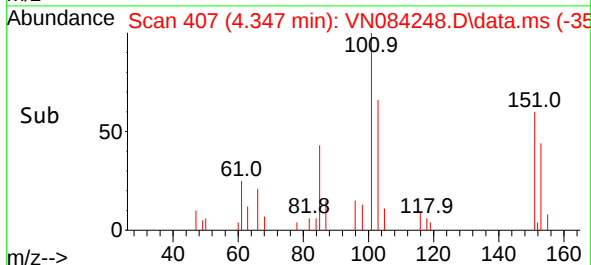
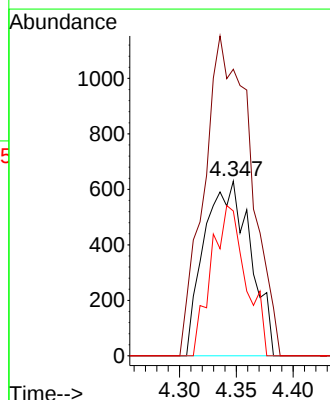
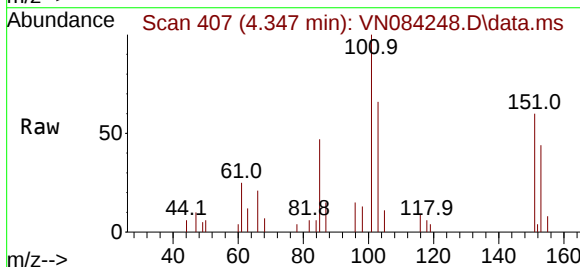
Instrument :
 MSVOA_N
 ClientSampleId :

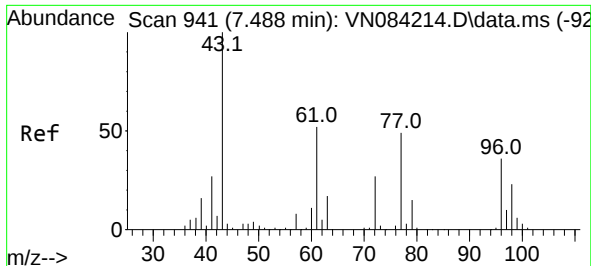
Tgt Ion:101 Resp: 26613
 Ion Ratio Lower Upper
 101 100
 85 47.0 36.2 54.4
 151 75.9 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 0.969 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.006 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

Tgt Ion: 96 Resp: 1778
 Ion Ratio Lower Upper
 96 100
 61 164.0 128.6 192.8
 98 82.9 51.7 77.5#

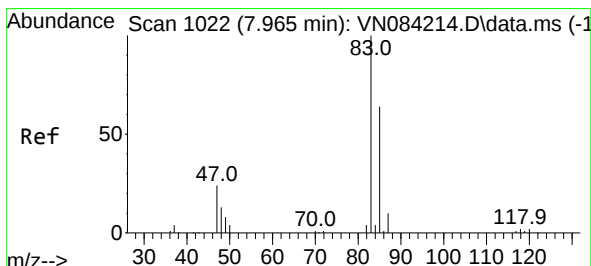
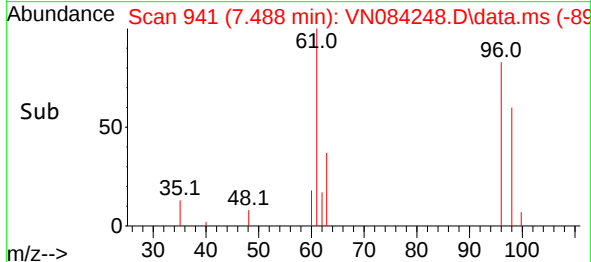
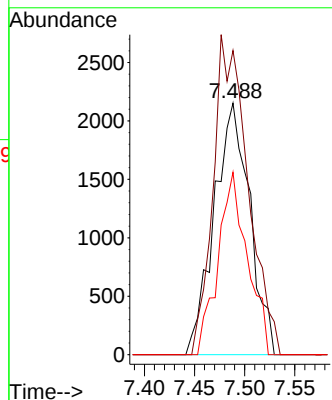
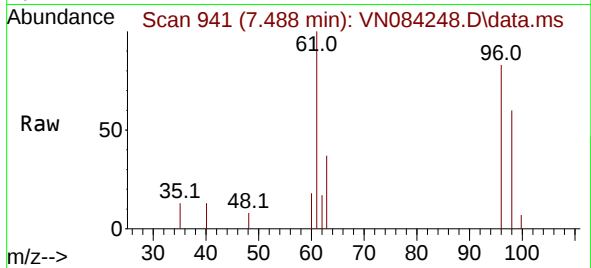




#27
 cis-1,2-Dichloroethene
 Concen: 2.289 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

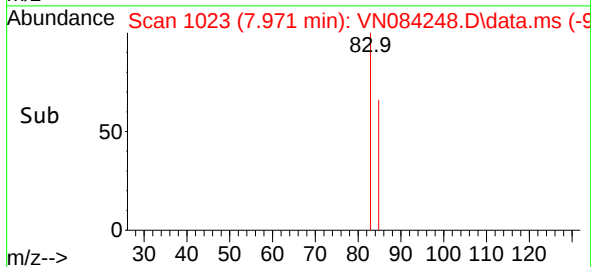
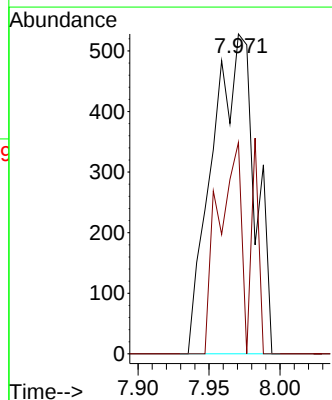
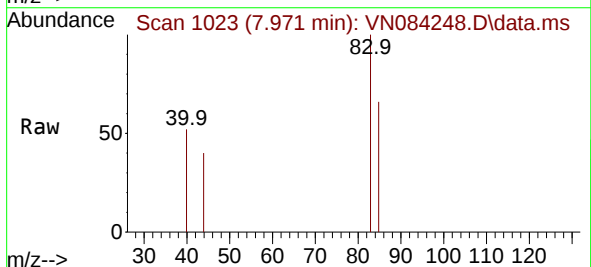
Instrument :
 MSVOA_N
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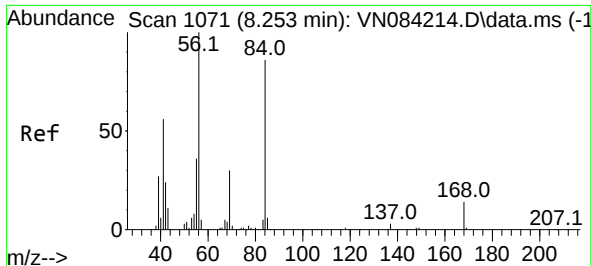
Tgt Ion: 96 Resp: 5320
 Ion Ratio Lower Upper
 96 100
 61 123.7 0.0 301.8
 98 59.7 0.0 128.2



#30
 Chloroform
 Concen: 0.287 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.006 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

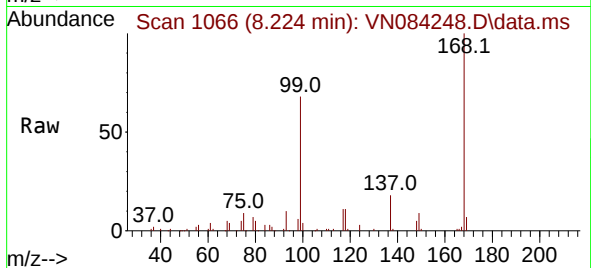
Tgt Ion: 83 Resp: 1101
 Ion Ratio Lower Upper
 83 100
 85 66.1 51.0 76.4



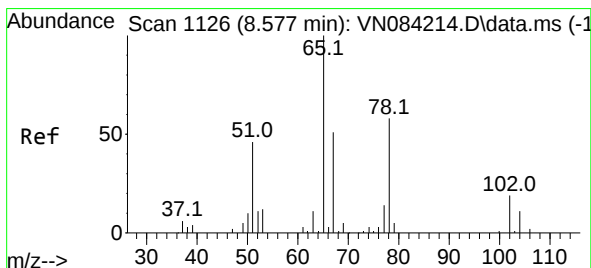
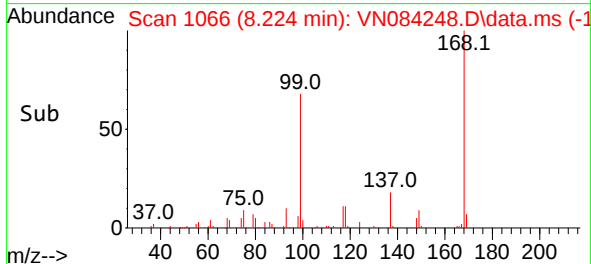
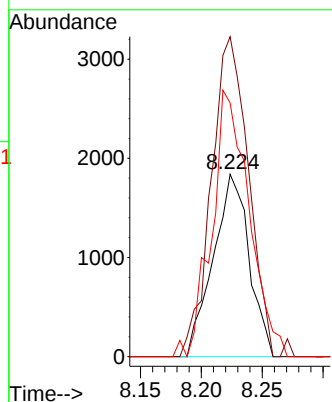


#31
Cyclohexane
Concen: 1.050 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

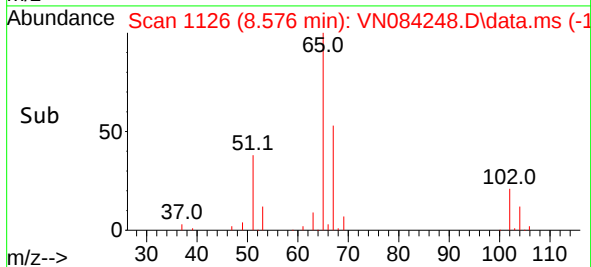
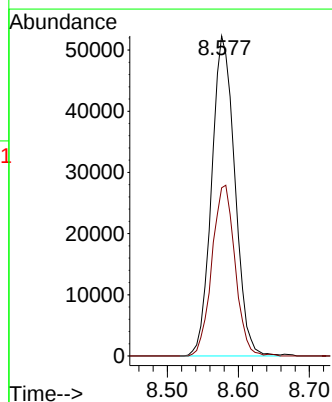
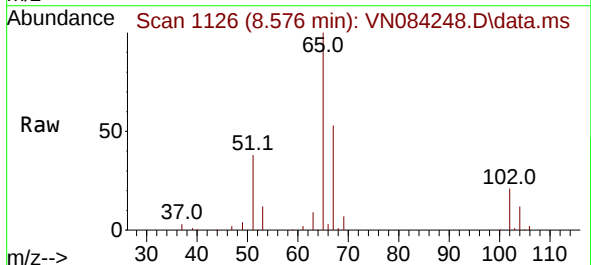


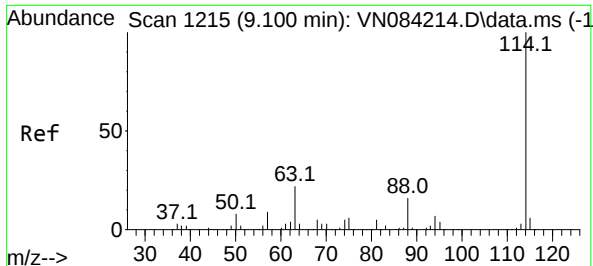
Tgt Ion: 56 Resp: 3761
Ion Ratio Lower Upper
56 100
69 175.5 23.8 35.6#
84 130.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.058 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Tgt Ion: 65 Resp: 118583
Ion Ratio Lower Upper
65 100
67 53.1 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: VN084248.D

Acq: 01 Oct 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

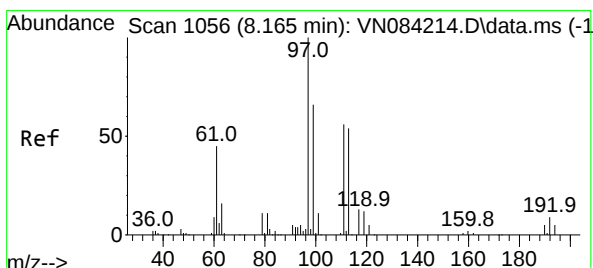
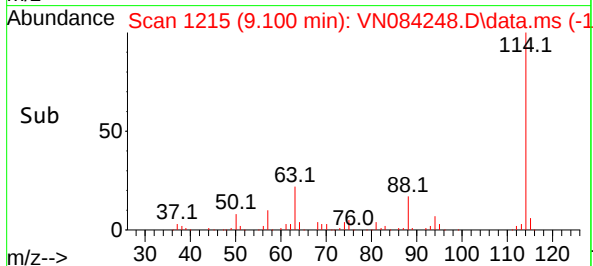
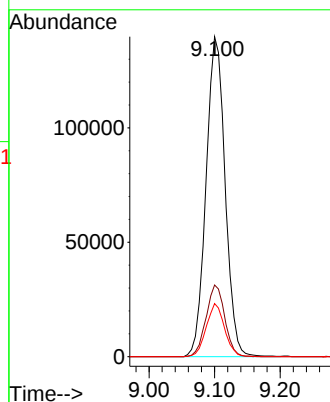
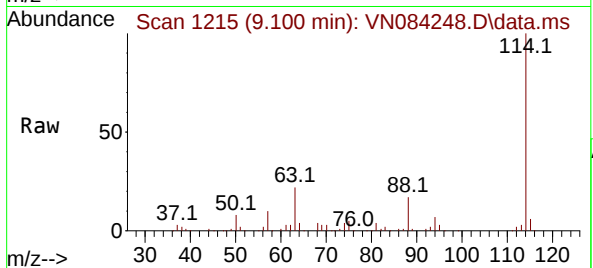
Tgt Ion:114 Resp: 283144

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

88 16.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.190 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084248.D

Acq: 01 Oct 2024 18:42

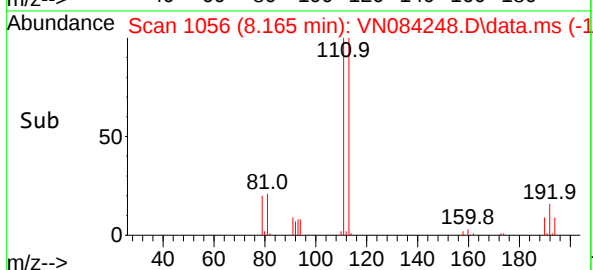
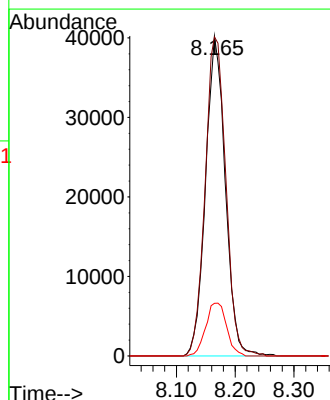
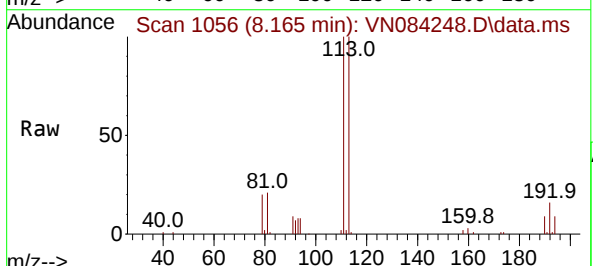
Tgt Ion:113 Resp: 93688

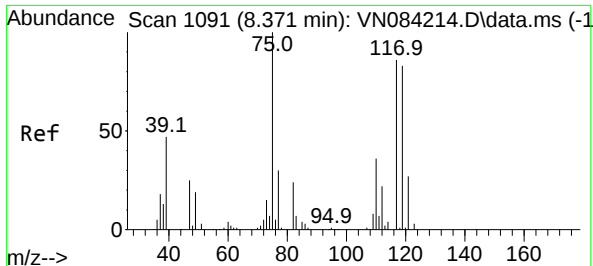
Ion Ratio Lower Upper

113 100

111 104.4 83.3 124.9

192 17.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.401 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

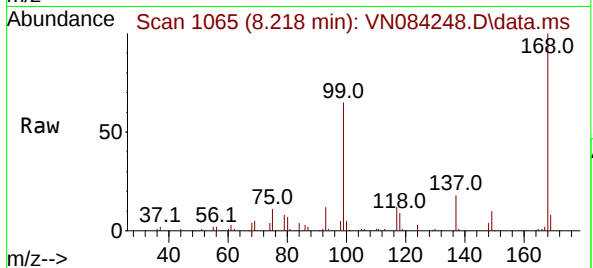
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Acq: 01 Oct 2024 18:42

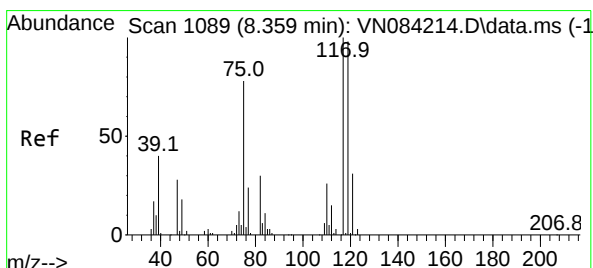
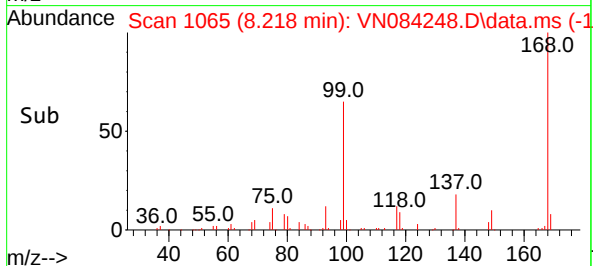
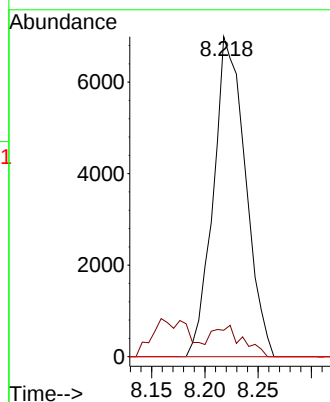
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14643
Ion Ratio	Lower	Upper	
75	100		
110	9.1	16.9	50.7#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 0.473 ug/l

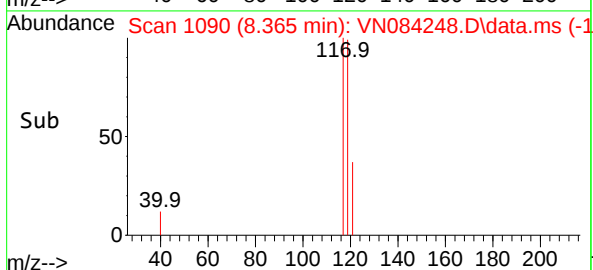
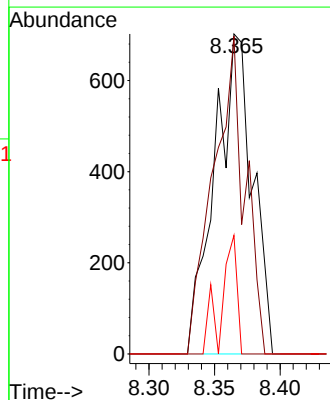
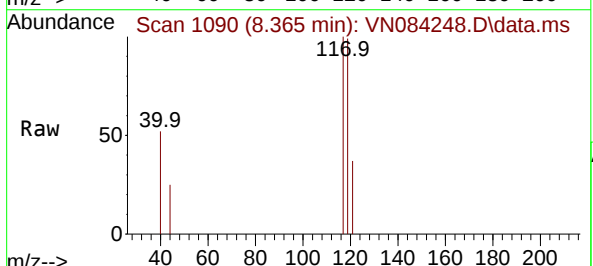
RT: 8.365 min Scan# 1090

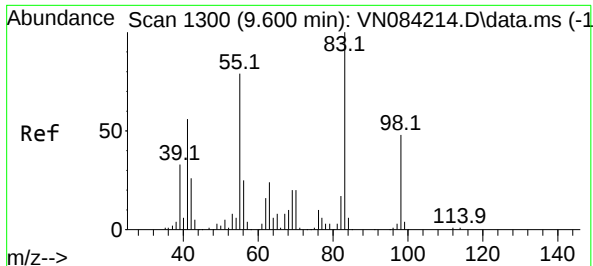
Delta R.T. 0.006 min

Lab File: VN084248.D

Acq: 01 Oct 2024 18:42

Tgt Ion:	117	Resp:	1408
Ion Ratio	Lower	Upper	
117	100		
119	99.3	78.7	118.1
121	37.0	24.4	36.6#





#39

Methylcyclohexane

Concen: 0.707 ug/l

RT: 9.347 min Scan# 1127

Delta R.T. -0.253 min

Lab File: VN084248.D

Acq: 01 Oct 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

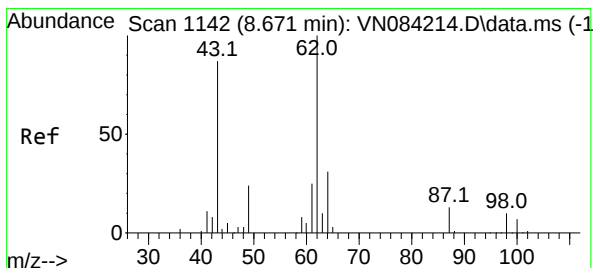
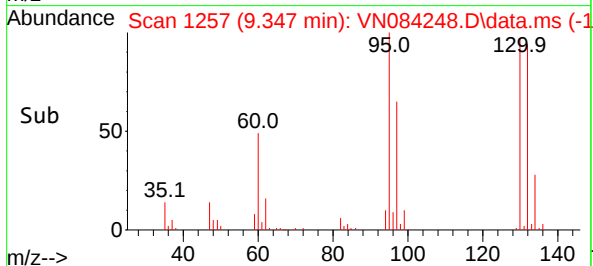
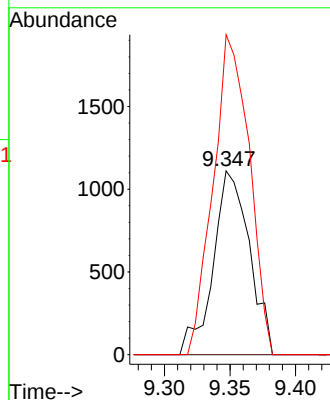
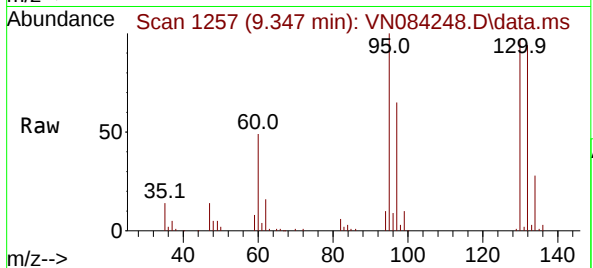
Tgt Ion: 83 Resp: 2134

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 174.1 38.8 58.2#



#42

1,2-Dichloroethane

Concen: 0.227 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084248.D

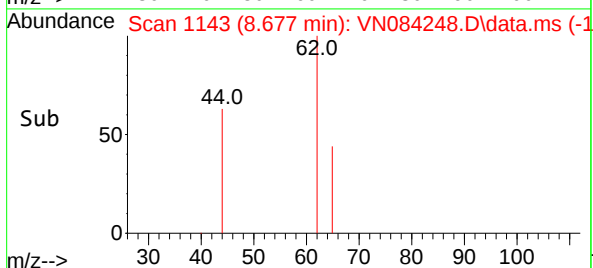
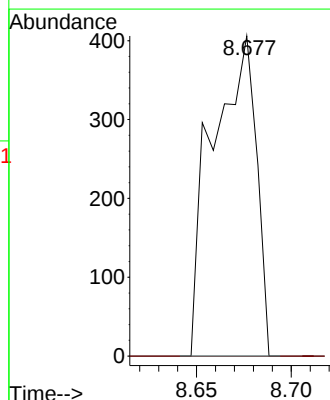
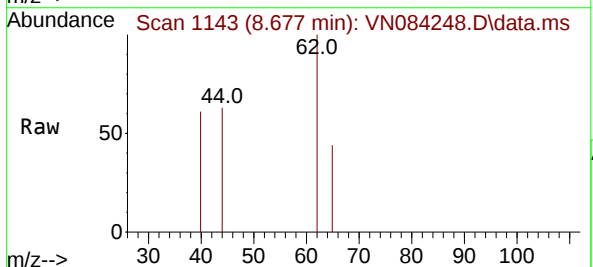
Acq: 01 Oct 2024 18:42

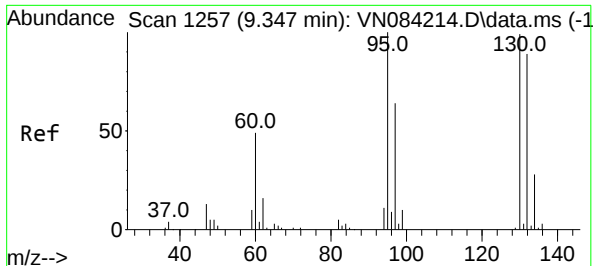
Tgt Ion: 62 Resp: 651

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

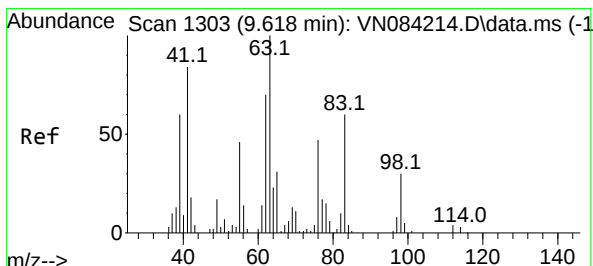
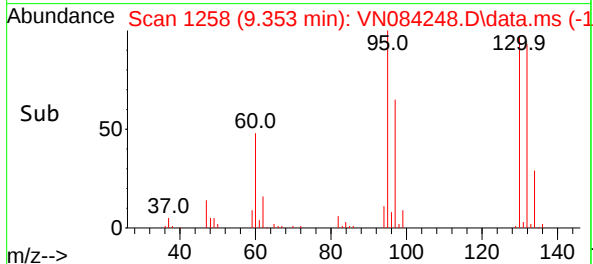
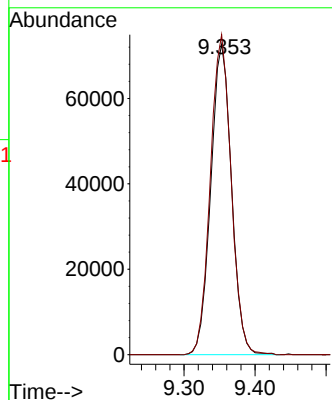
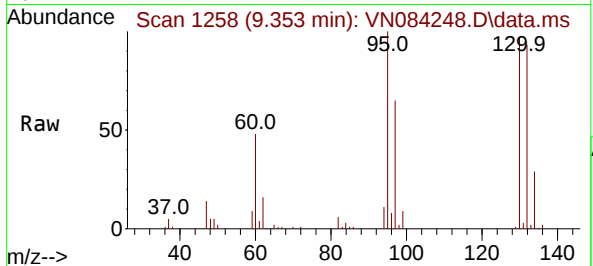




#44
Trichloroethene
Concen: 74.482 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

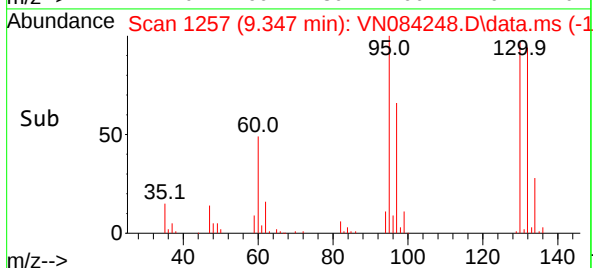
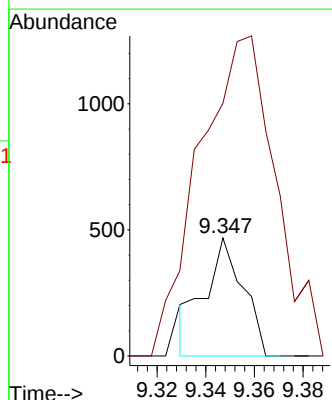
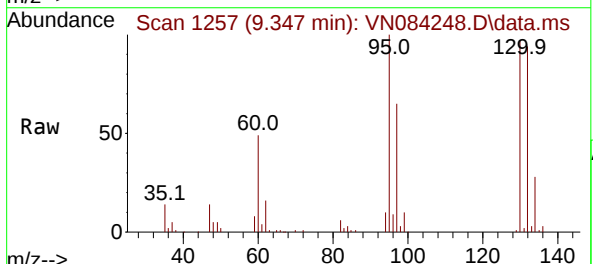
Instrument :
MSVOA_N
ClientSampleId :

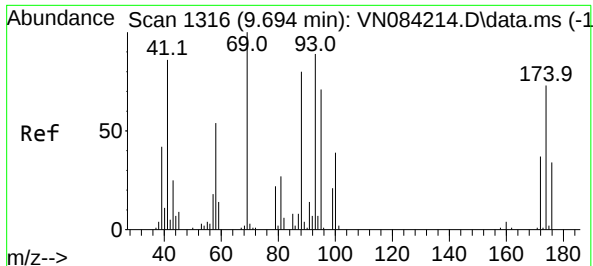
Tgt Ion:130 Resp: 146958
Ion Ratio Lower Upper
130 100
95 103.0 0.0 203.0



#45
1,2-Dichloropropane
Concen: 0.257 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.271 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Tgt Ion: 63 Resp: 514
Ion Ratio Lower Upper
63 100
65 141.7 24.6 37.0#





#49

1,4-Dioxane

Concen: 17.932 ug/l

RT: 9.706 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN084248.D

Acq: 01 Oct 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

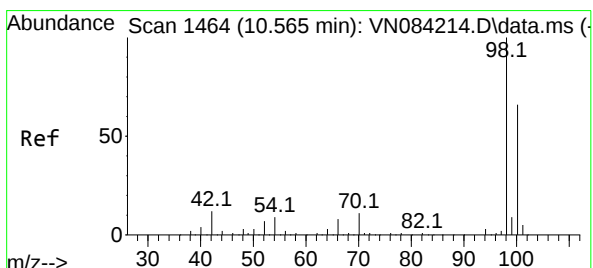
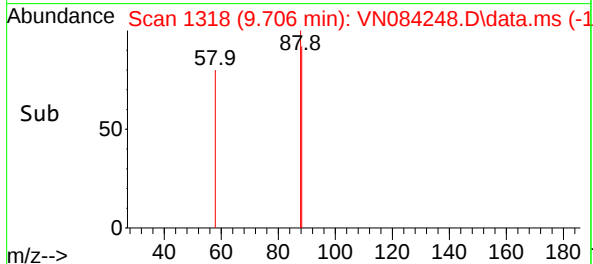
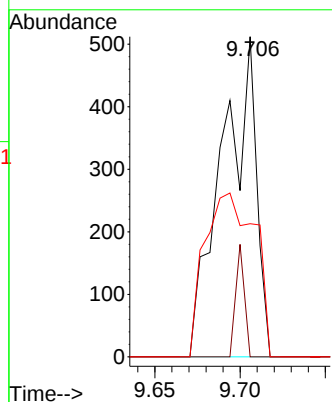
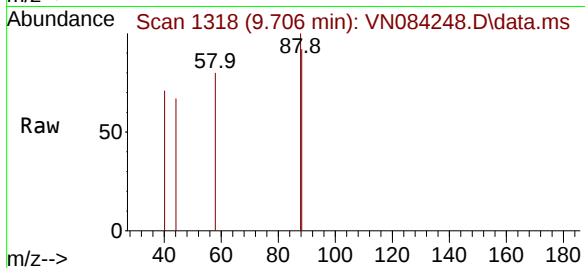
Tgt Ion: 88 Resp: 716

Ion Ratio Lower Upper

88 100

43 8.9 25.3 37.9#

58 74.9 56.4 84.6



#50

Toluene-d8

Concen: 49.657 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084248.D

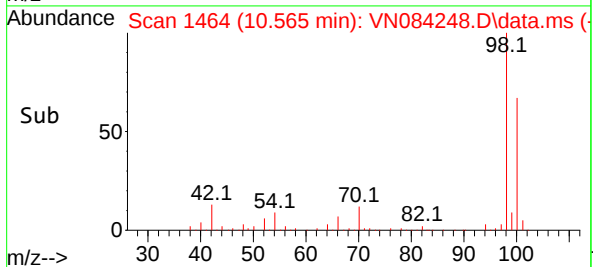
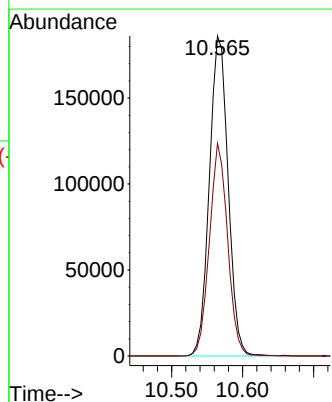
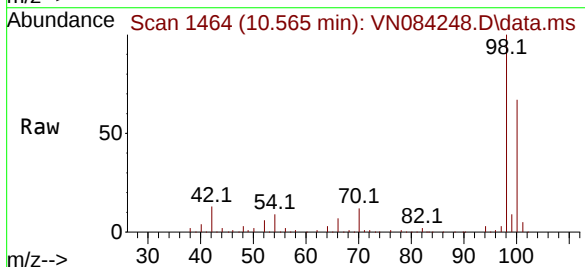
Acq: 01 Oct 2024 18:42

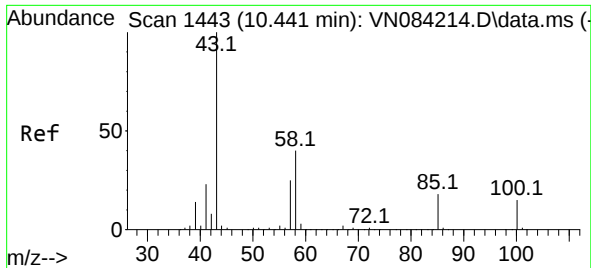
Tgt Ion: 98 Resp: 341030

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1

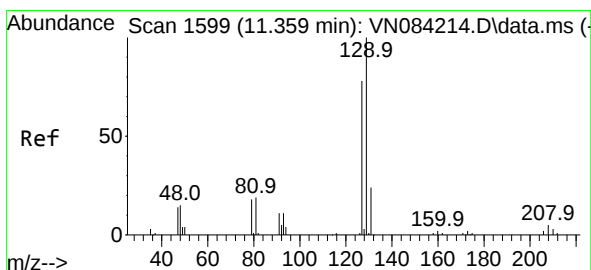
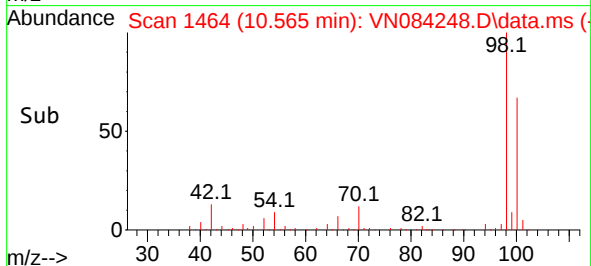
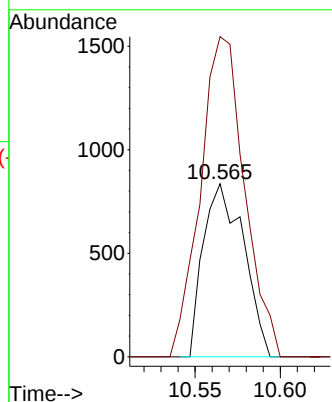
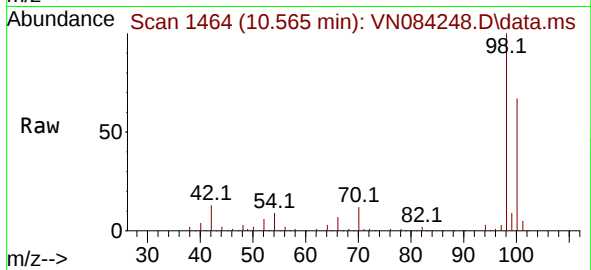




#51
4-Methyl-2-Pentanone
Concen: 0.518 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

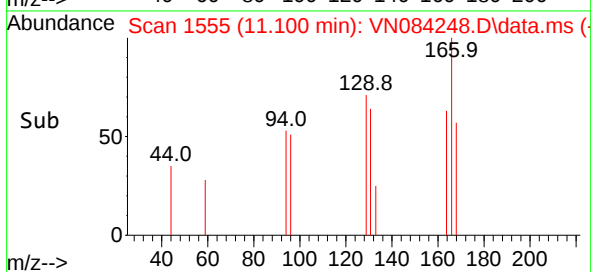
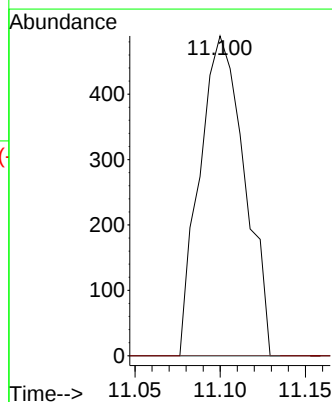
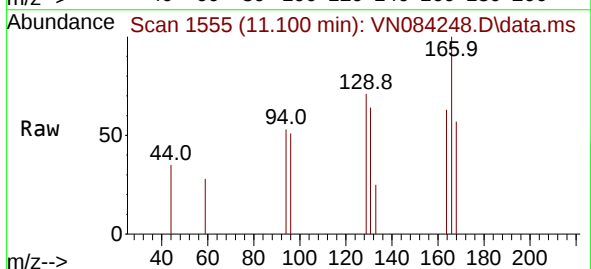
Instrument :
MSVOA_N
ClientSampleId :

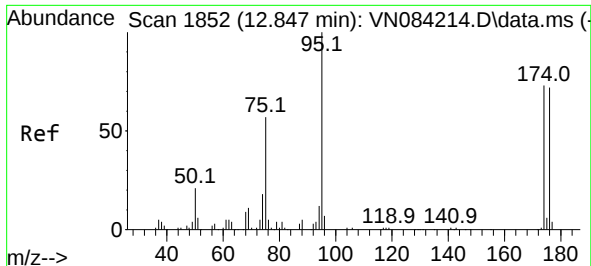
Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
58 202.9 31.6 47.4#



#60
Dibromochloromethane
Concen: 0.411 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Tgt Ion:129 Resp: 896
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

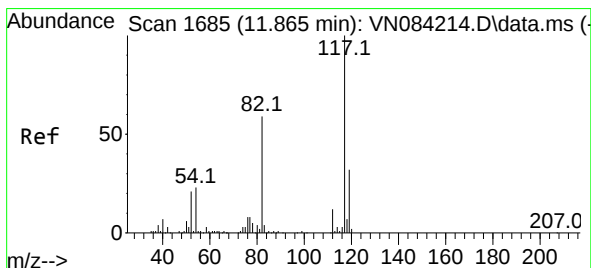
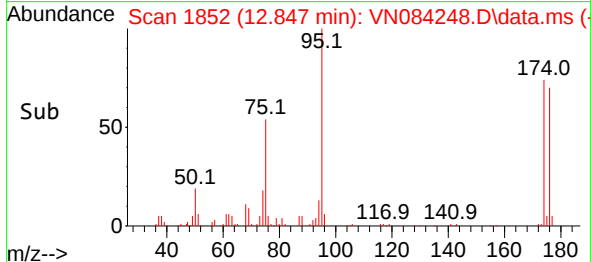
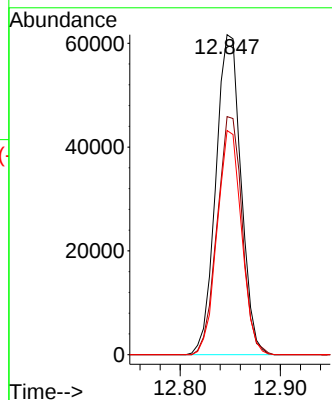
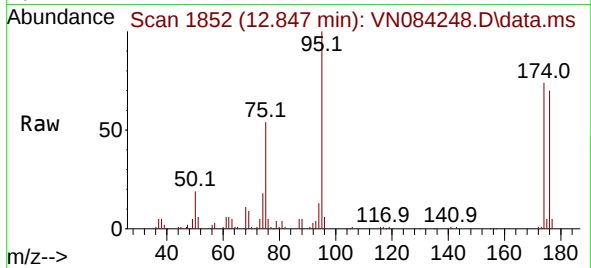




#62
4-Bromofluorobenzene
Concen: 42.963 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

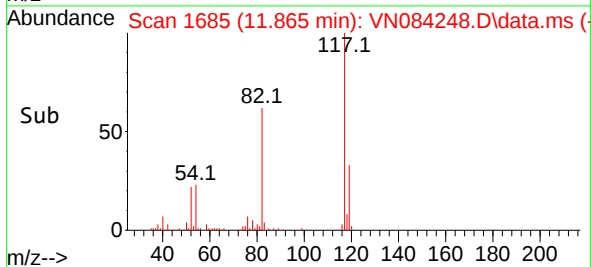
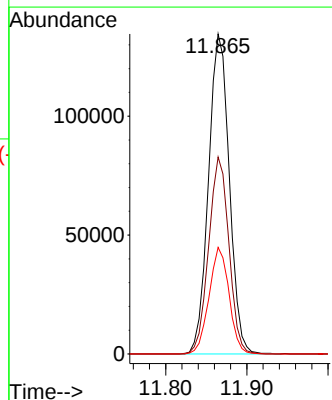
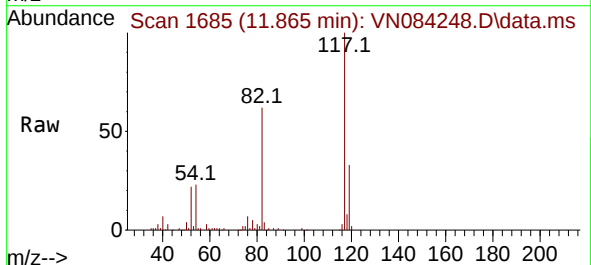
Instrument :
MSVOA_N
ClientSampleId :

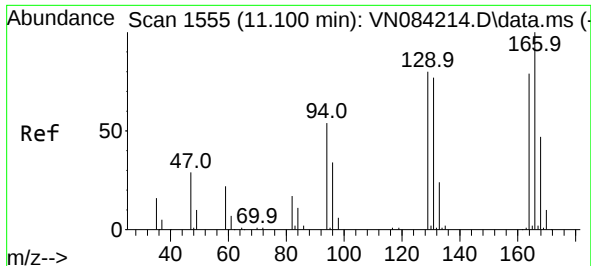
Tgt Ion: 95 Resp: 107492
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.2
176 68.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

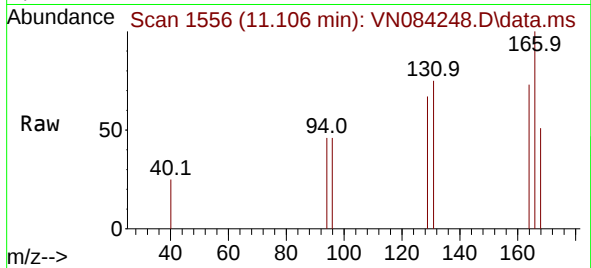
Tgt Ion: 117 Resp: 239211
Ion Ratio Lower Upper
117 100
82 61.6 47.2 70.8
119 33.3 25.4 38.0



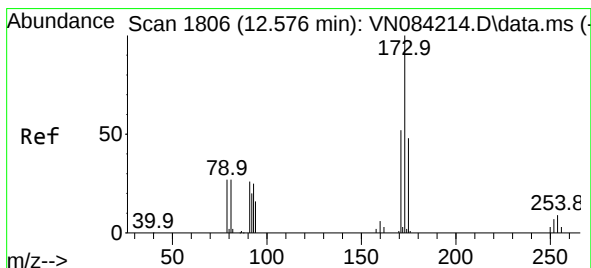
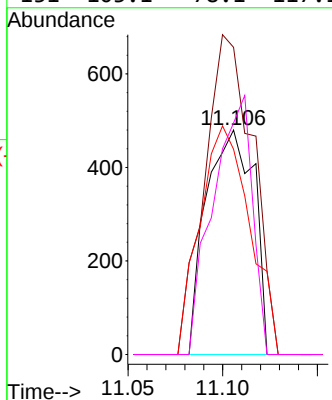


#64
Tetrachloroethene
Concen: 0.504 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

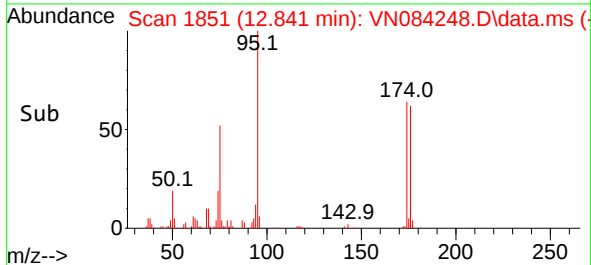
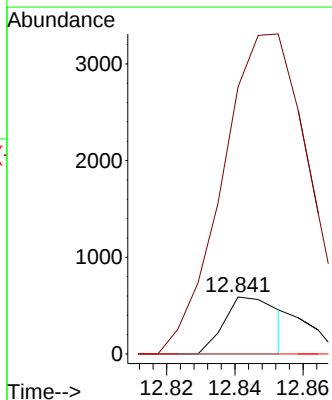
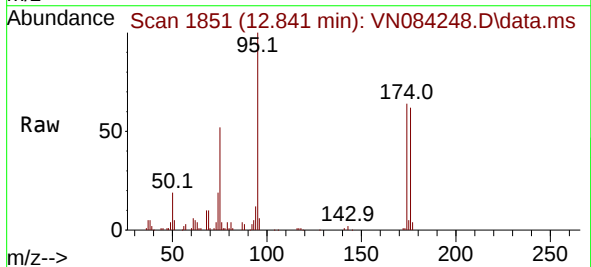


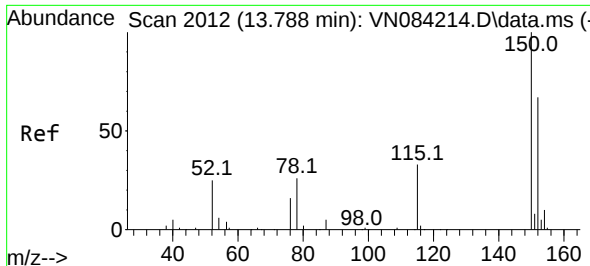
Tgt Ion:164 Resp: 840
Ion Ratio Lower Upper
164 100
166 136.9 101.0 151.4
129 91.5 80.8 121.2
131 103.1 78.1 117.1



#71
Bromoform
Concen: 0.480 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084248.D
Acq: 01 Oct 2024 18:42

Tgt Ion:173 Resp: 645
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0

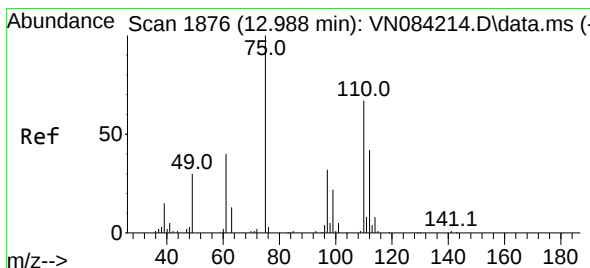
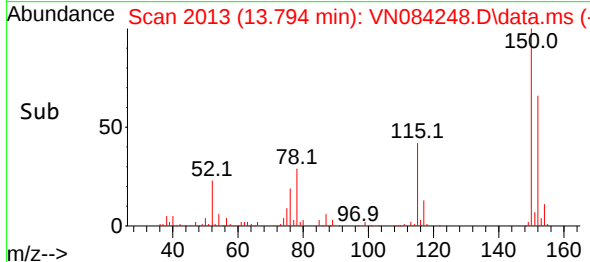
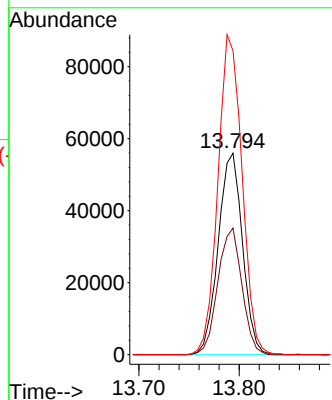
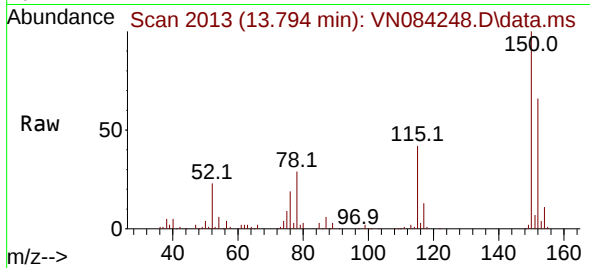




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

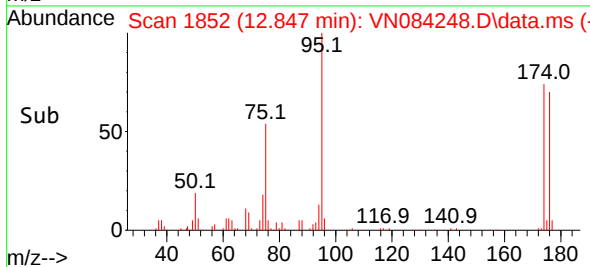
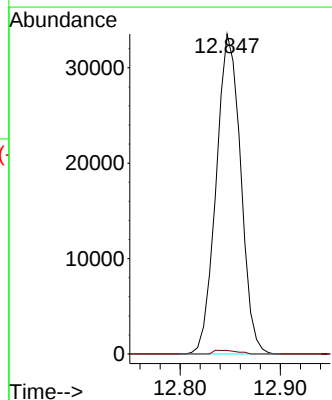
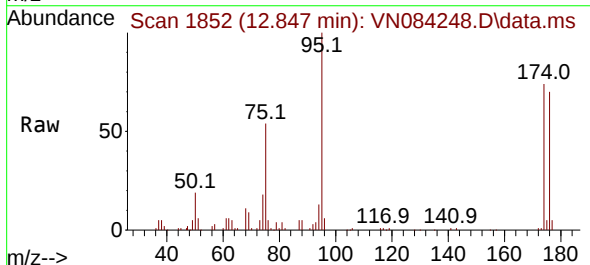
Instrument :
 MSVOA_N
 ClientSampleId :

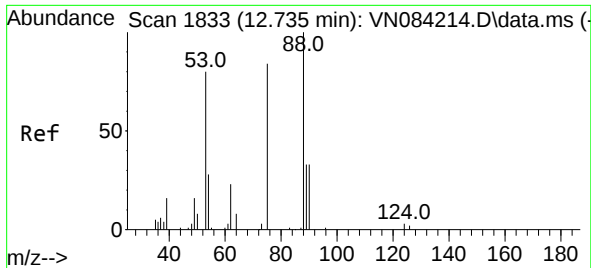
Tgt Ion:152 Resp: 94104
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.3 93.9
 150 158.0 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.625 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

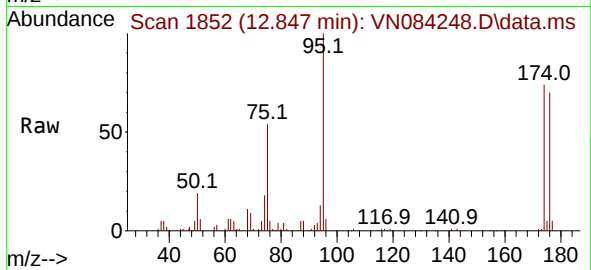
Tgt Ion: 75 Resp: 56914
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.024 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084248.D
 Acq: 01 Oct 2024 18:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 56914
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

