

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084904.D
 Acq On : 17 Nov 2024 18:49
 Operator : JC\MD
 Sample : P4845-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 00:25:18 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

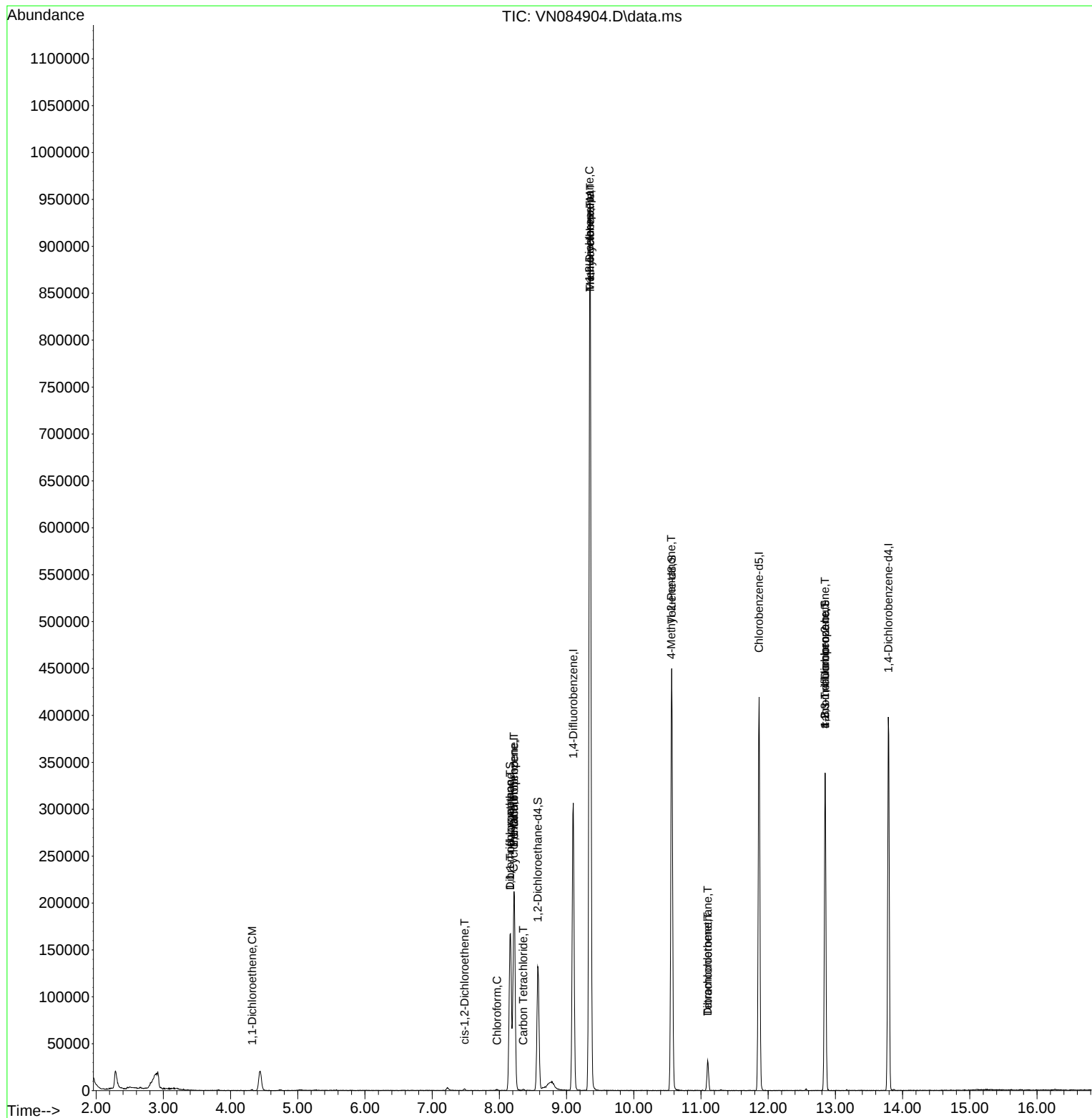
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	153449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	112346	50.690	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.380%		
35) Dibromofluoromethane	8.159	113	90371	50.986	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.980%		
50) Toluene-d8	10.565	98	313048	47.946	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.900%		
62) 4-Bromofluorobenzene	12.847	95	117421	48.120	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 96.240%		
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	560	Below Cal	#	51
6) Chloroethane	3.118	64	679	Below Cal	#	45
12) 1,1-Dichloroethene	4.324	96	435	0.249	ug/l #	62
16) Acetone	4.430	43	1194	Below Cal	#	44
18) Methyl Acetate	5.018	43	1426	Below Cal	#	72
27) cis-1,2-Dichloroethene	7.483	96	854	0.408	ug/l	75
30) Chloroform	7.965	83	1076	0.313	ug/l	96
31) Cyclohexane	8.212	56	3163	1.034	ug/l #	1
32) 1,1,1-Trichloroethane	8.159	97	38022	12.140	ug/l	96
36) 1,1-Dichloropropene	8.218	75	12060	4.906	ug/l #	52
38) Carbon Tetrachloride	8.353	117	1020	0.371	ug/l #	74
39) Methylcyclohexane	9.353	83	4355	1.741	ug/l #	1
43) Isopropyl Acetate	8.677	43	2758	Below Cal	#	56
44) Trichloroethene	9.347	130	341480	187.560	ug/l	100
45) 1,2-Dichloropropane	9.341	63	924	0.499	ug/l #	1
51) 4-Methyl-2-Pentanone	10.559	43	1186	0.558	ug/l #	1
60) Dibromochloromethane	11.100	129	7243	3.654	ug/l #	11
64) Tetrachloroethene	11.100	164	7357	4.655	ug/l	96
76) 1,2,3-Trichloropropane	12.847	75	61255	27.826	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61255	66.014	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	57	Below Cal	#	1

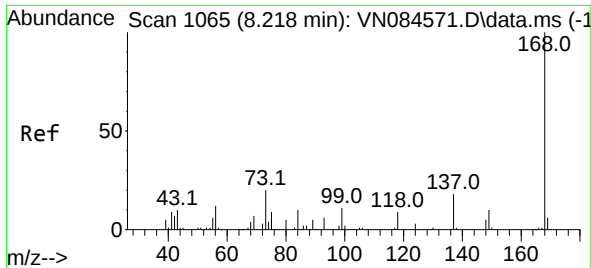
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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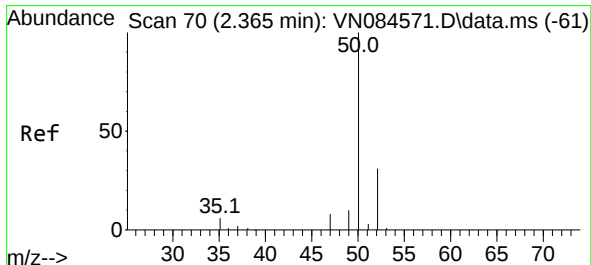
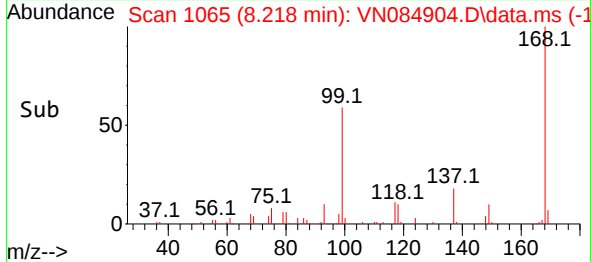
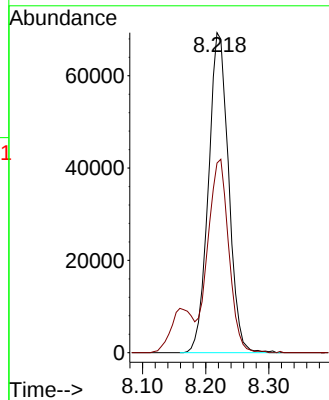
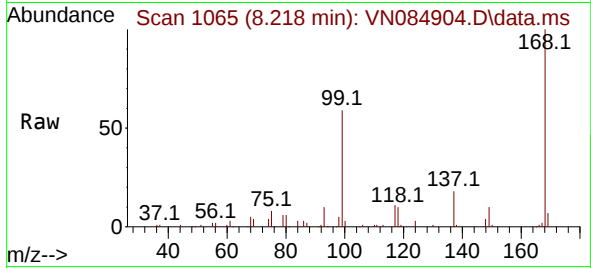




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

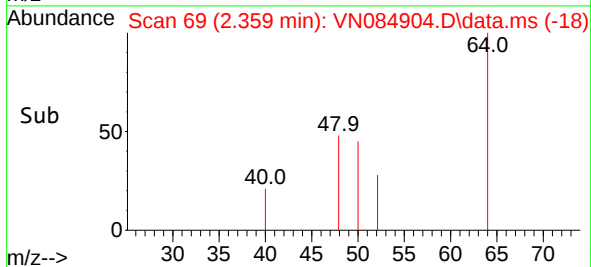
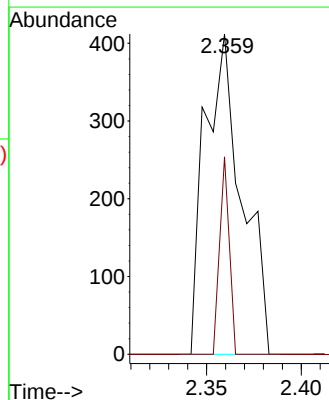
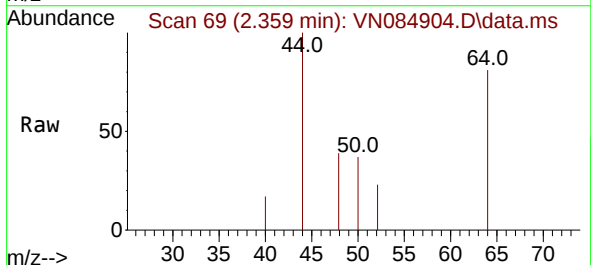
Instrument :
MSVOA_N
ClientSampleId :

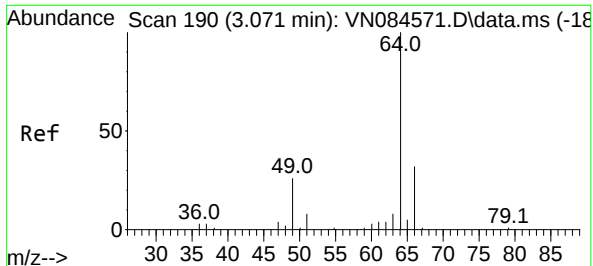
Tgt Ion:168 Resp: 153449
Ion Ratio Lower Upper
168 100
99 58.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

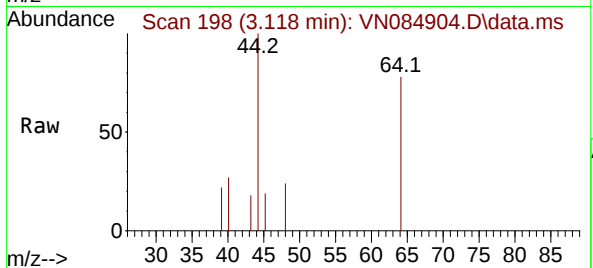
Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 61.7 26.8 40.2#



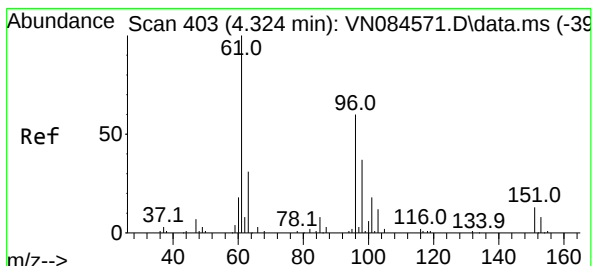
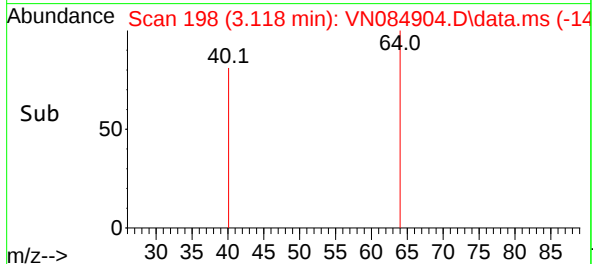
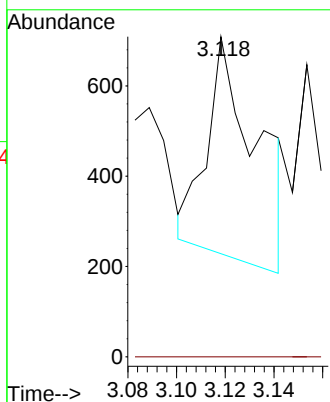


#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :

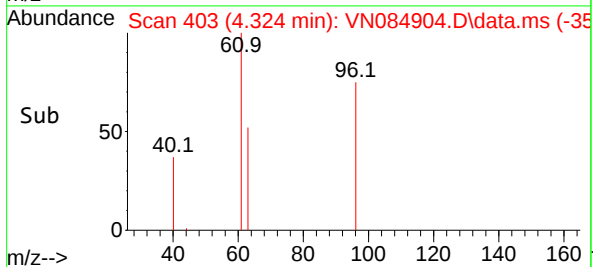
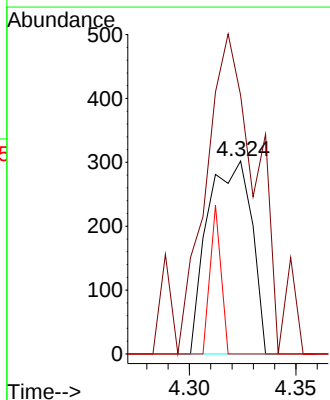
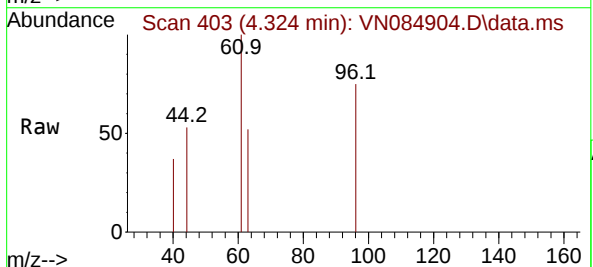


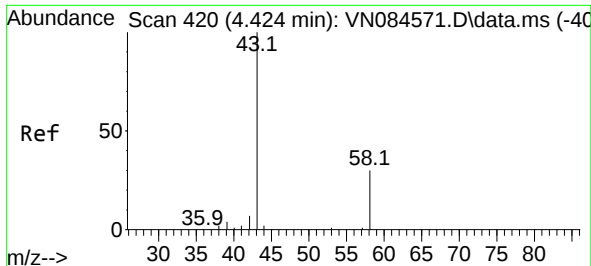
Tgt Ion: 64 Resp: 679
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#12
1,1-Dichloroethene
Concen: 0.249 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion: 96 Resp: 435
Ion Ratio Lower Upper
96 100
61 134.1 128.6 192.8
98 0.0 51.7 77.5#

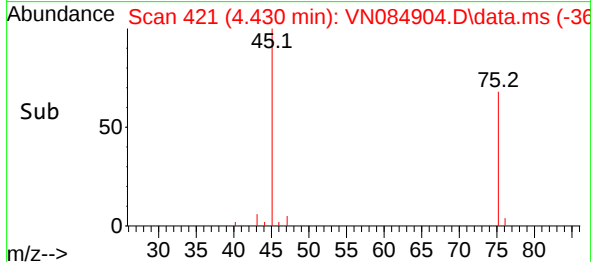
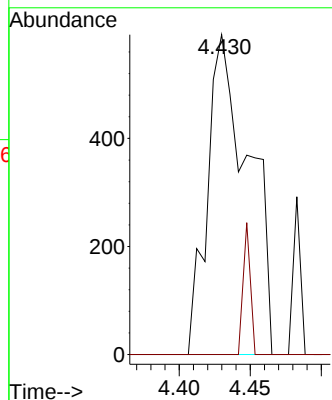
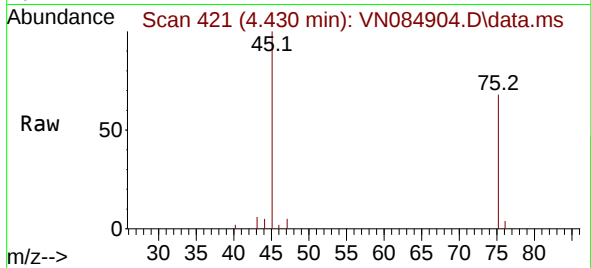




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

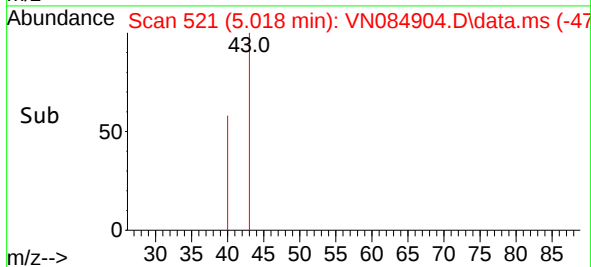
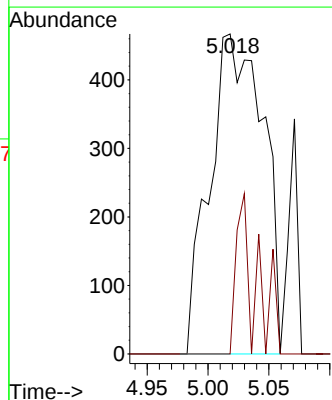
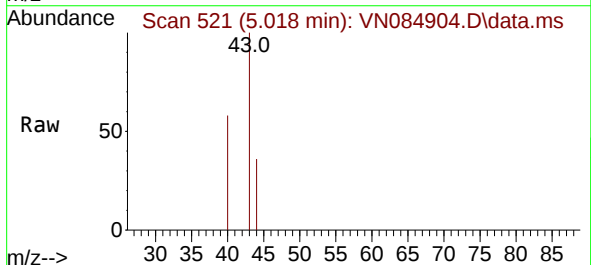
Instrument :
MSVOA_N
ClientSampleId :

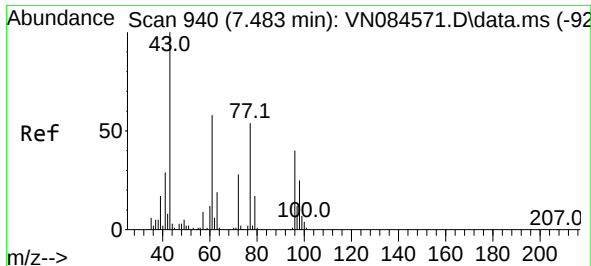
Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

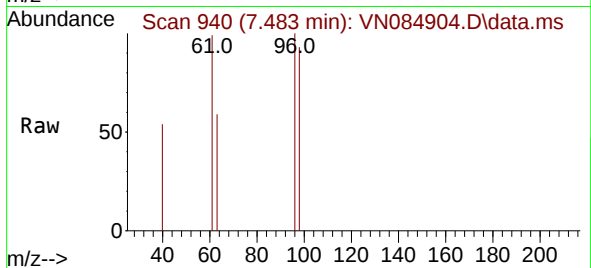
Tgt Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
74 10.2 19.2 28.8#



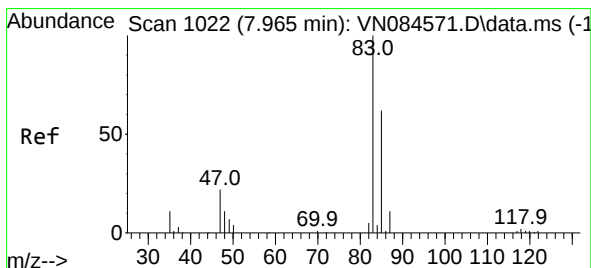
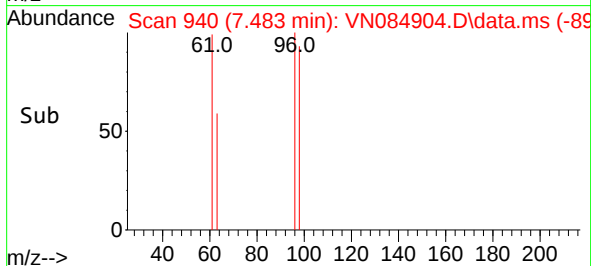
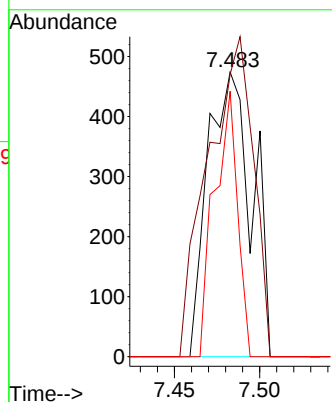


#27
 cis-1,2-Dichloroethene
 Concen: 0.408 ug/l
 RT: 7.483 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN084904.D
 Acq: 17 Nov 2024 18:49

Instrument :
 MSVOA_N
 ClientSampleId :

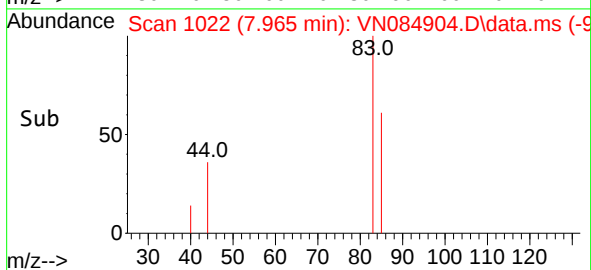
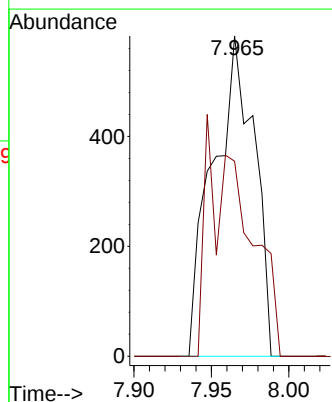
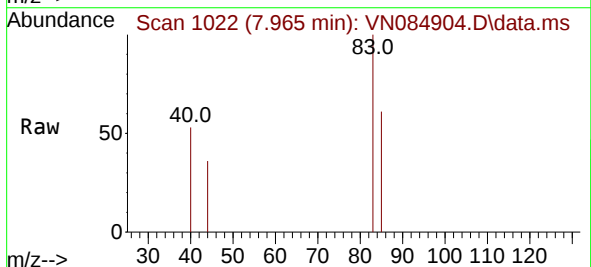


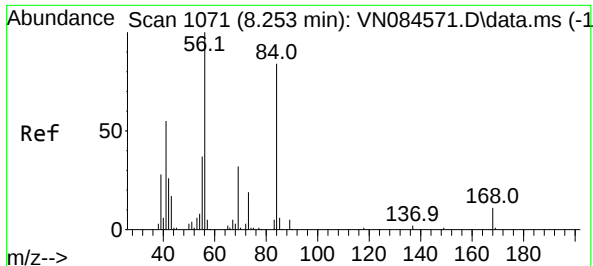
Tgt Ion: 96	Resp:	854	
Ion	Ratio	Lower	Upper
96	100		
61	115.3	0.0	301.8
98	48.9	0.0	128.2



#30
 Chloroform
 Concen: 0.313 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN084904.D
 Acq: 17 Nov 2024 18:49

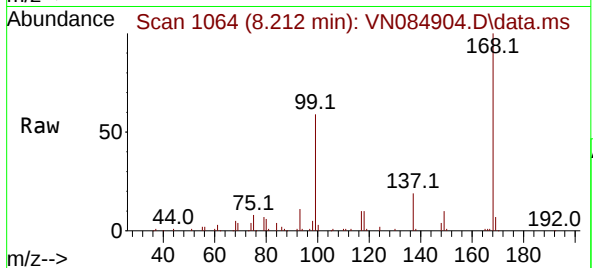
Tgt Ion: 83	Resp:	1076	
Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.0	76.4



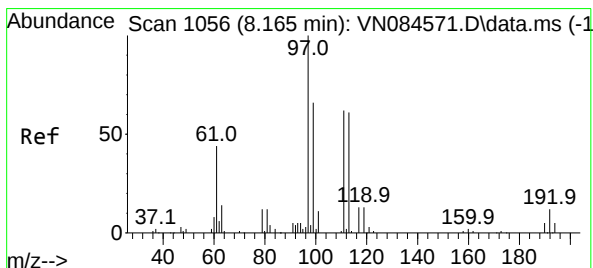
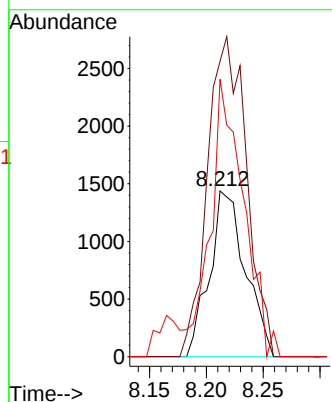
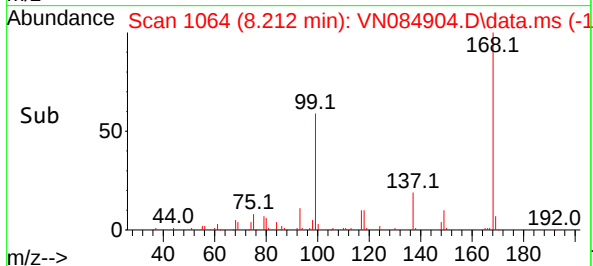


#31
Cyclohexane
Concen: 1.034 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

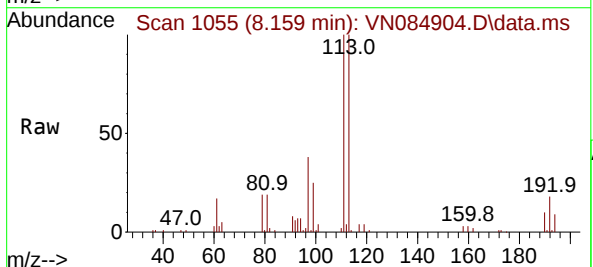
Instrument :
MSVOA_N
ClientSampleId :



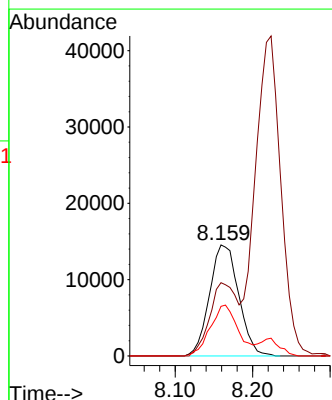
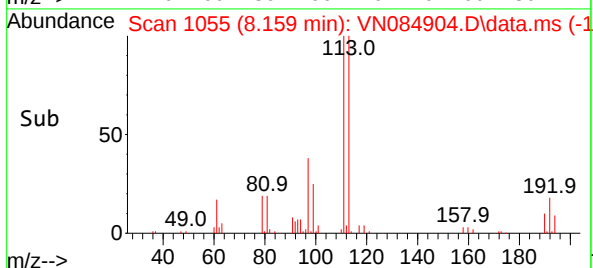
Tgt Ion: 56 Resp: 3163
Ion Ratio Lower Upper
56 100
69 178.2 23.8 35.6#
84 167.4 68.8 103.2#

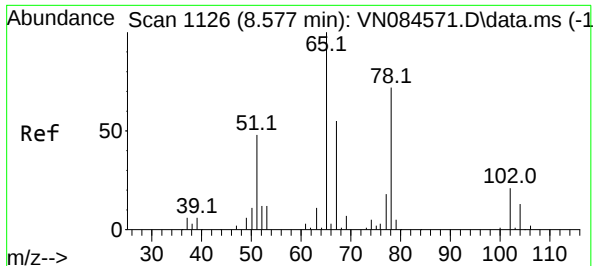


#32
1,1,1-Trichloroethane
Concen: 12.140 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49



Tgt Ion: 97 Resp: 38022
Ion Ratio Lower Upper
97 100
99 61.0 51.2 76.8
61 43.7 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 50.690 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

Instrument :

MSVOA_N

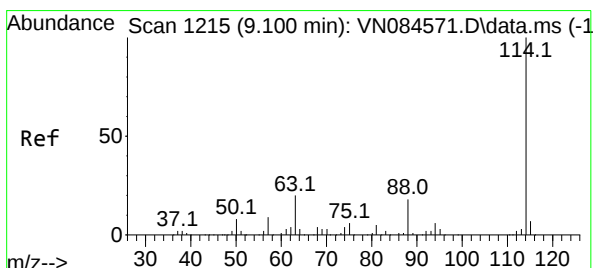
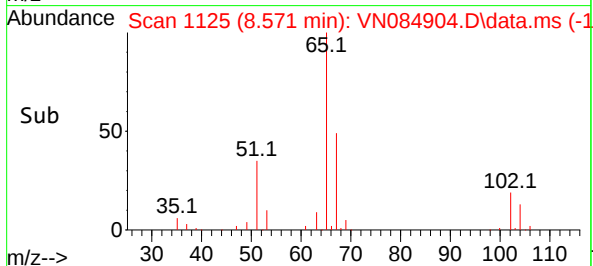
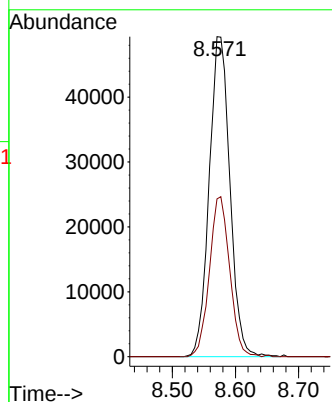
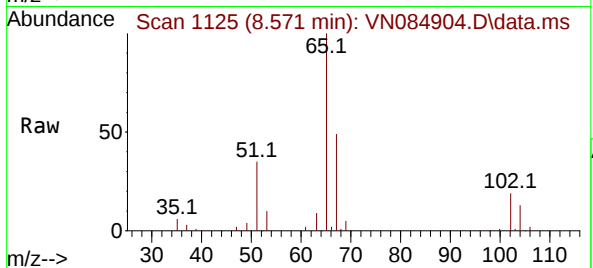
ClientSampleId :

Tgt Ion: 65 Resp: 112346

Ion Ratio Lower Upper

65 100

67 48.9 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: VN084904.D

Acq: 17 Nov 2024 18:49

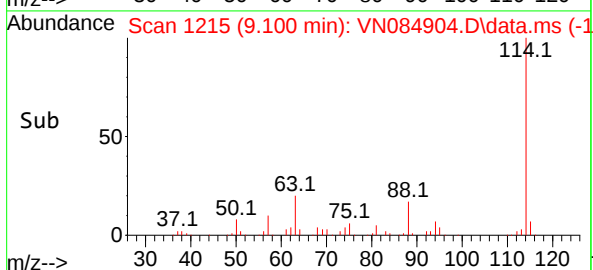
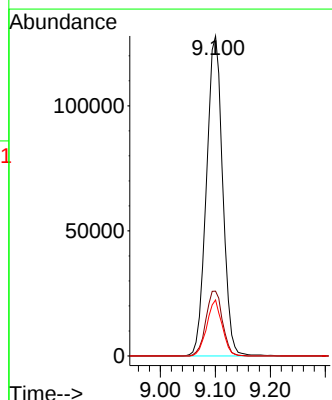
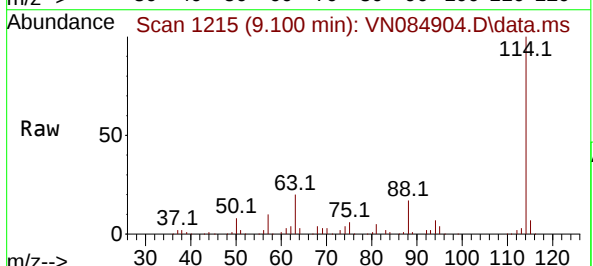
Tgt Ion: 114 Resp: 261859

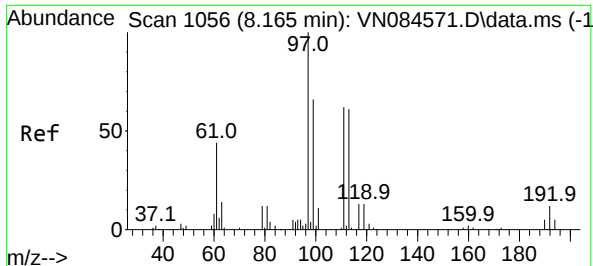
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.8

88 17.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.986 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

Instrument :

MSVOA_N

ClientSampleId :

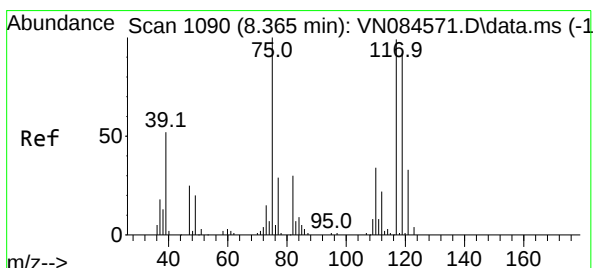
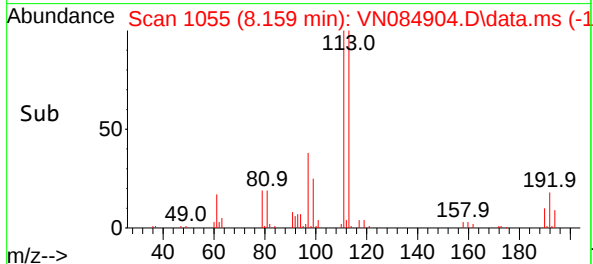
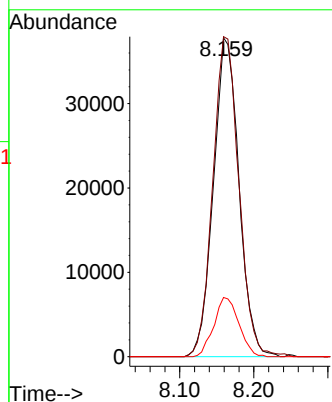
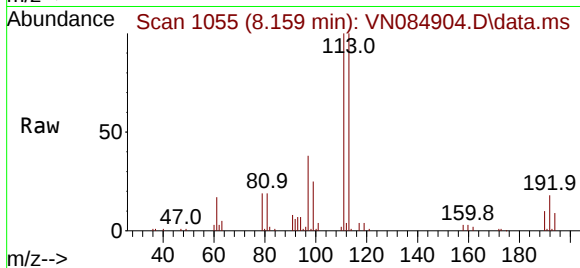
Tgt Ion:113 Resp: 90371

Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

192 18.2 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.906 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

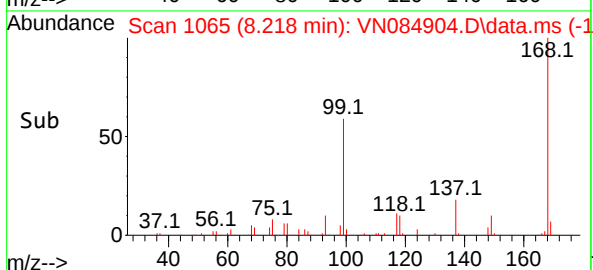
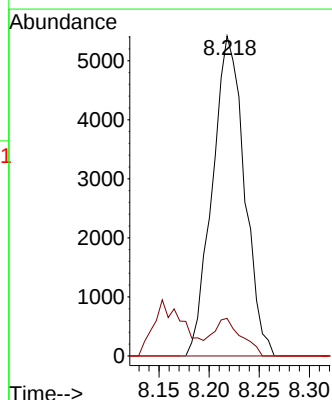
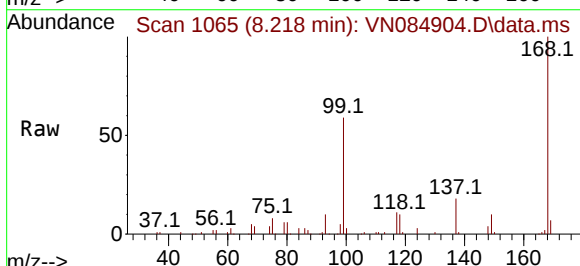
Tgt Ion: 75 Resp: 12060

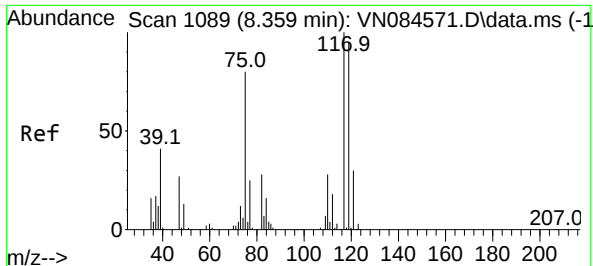
Ion Ratio Lower Upper

75 100

110 10.3 16.9 50.7#

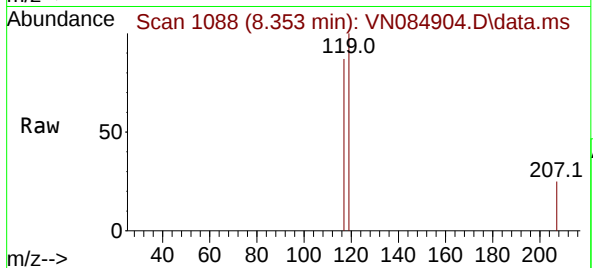
77 0.0 24.7 37.1#



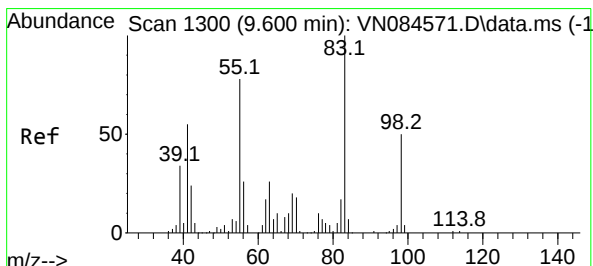
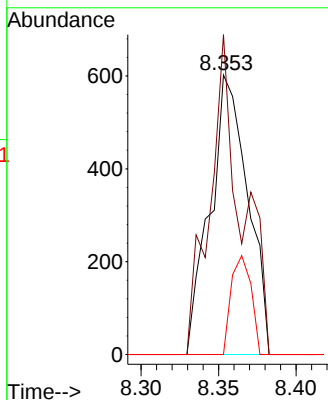
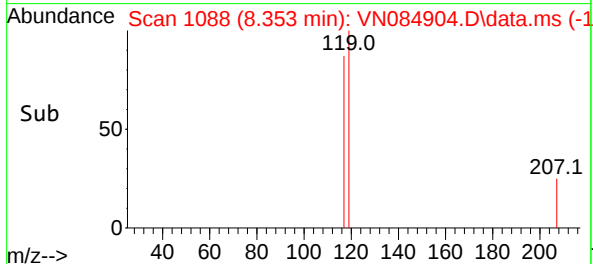


#38
Carbon Tetrachloride
Concen: 0.371 ug/l
RT: 8.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :

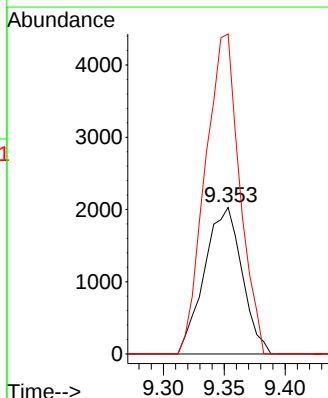
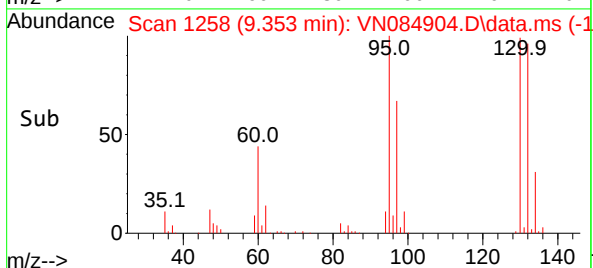
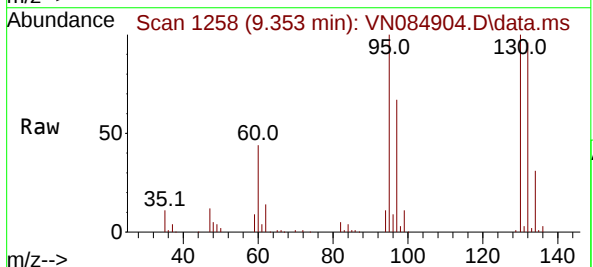


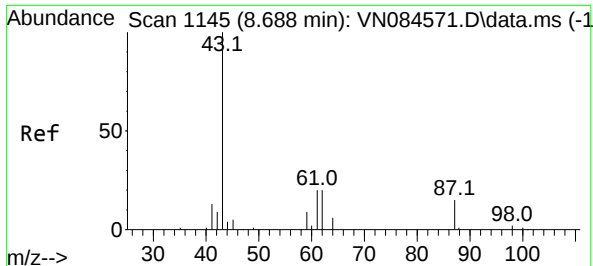
Tgt Ion:117 Resp: 1020
Ion Ratio Lower Upper
117 100
119 114.5 78.7 118.1
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.741 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion: 83 Resp: 4355
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 218.3 38.8 58.2#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.677 min Scan# 1143

Delta R.T. -0.011 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

Instrument :

MSVOA_N

ClientSampleId :

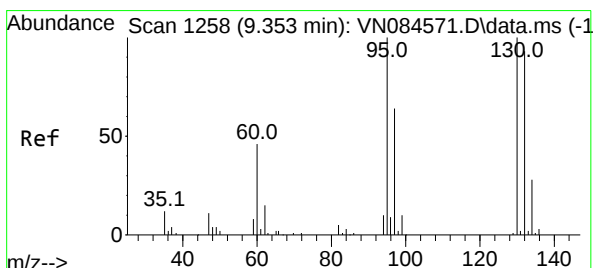
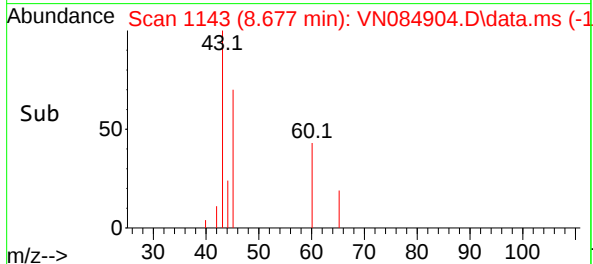
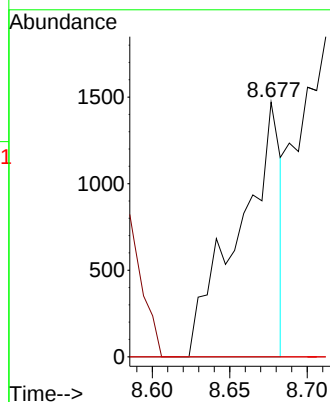
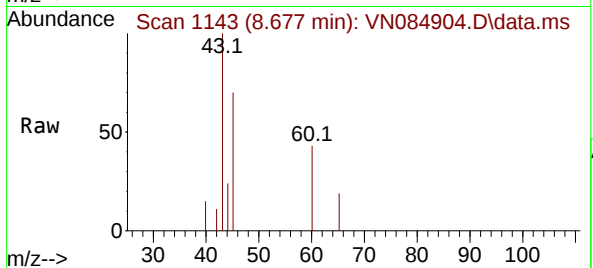
Tgt Ion: 43 Resp: 2758

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#44

Trichloroethene

Concen: 187.560 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN084904.D

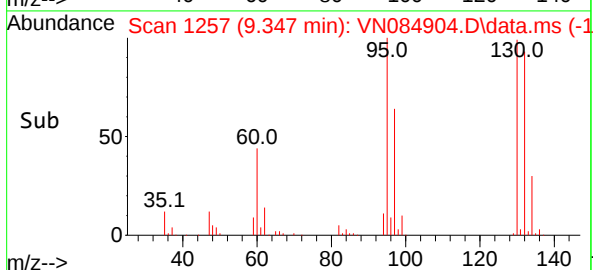
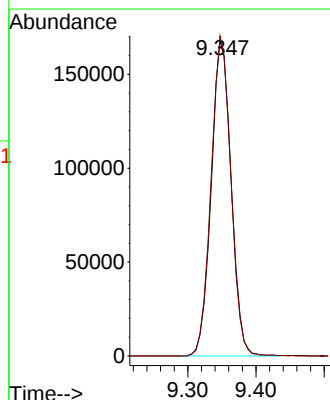
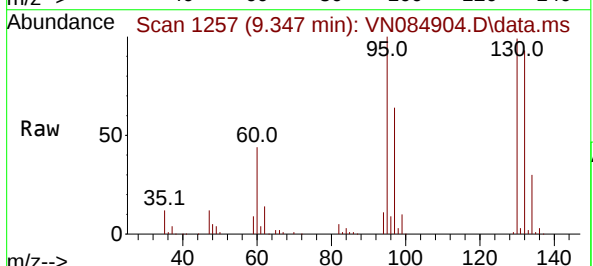
Acq: 17 Nov 2024 18:49

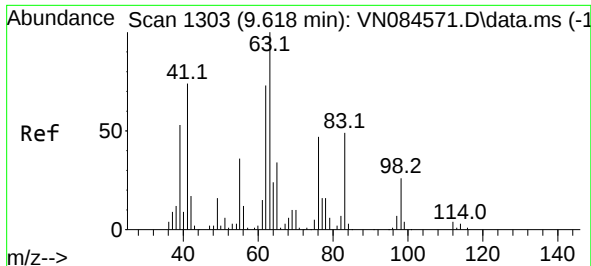
Tgt Ion:130 Resp: 341480

Ion Ratio Lower Upper

130 100

95 101.4 0.0 203.0





#45

1,2-Dichloropropane

Concen: 0.499 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.277 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

Instrument :

MSVOA_N

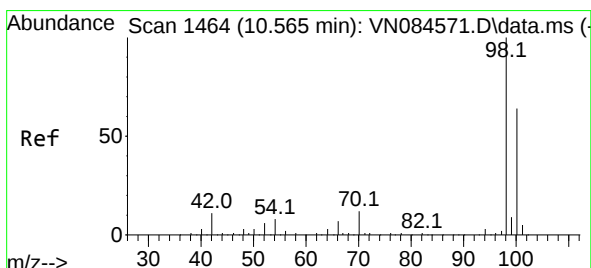
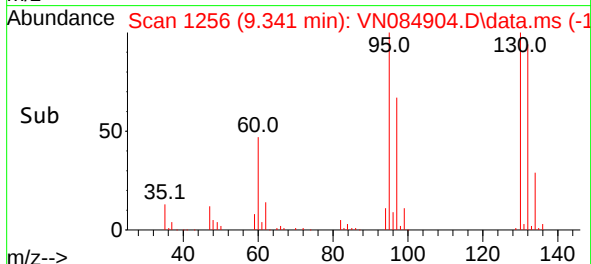
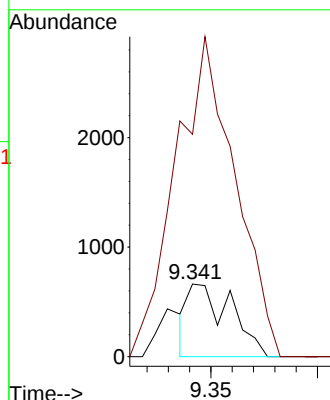
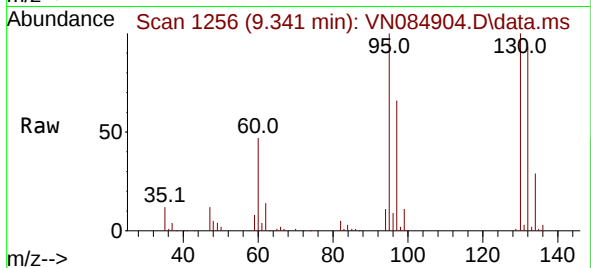
ClientSampleId :

Tgt Ion: 63 Resp: 924

Ion Ratio Lower Upper

63 100

65 306.2 24.6 37.0#



#50

Toluene-d8

Concen: 47.946 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084904.D

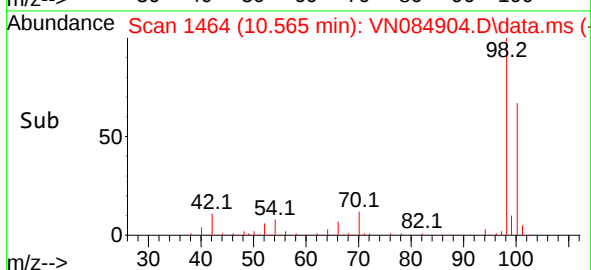
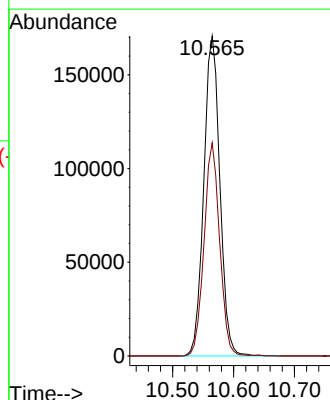
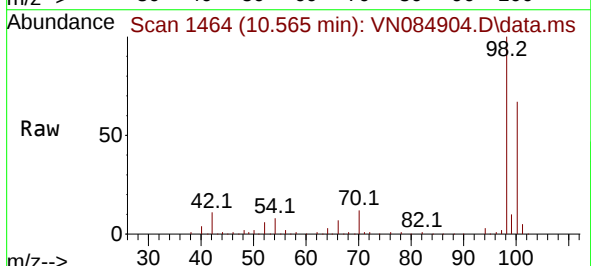
Acq: 17 Nov 2024 18:49

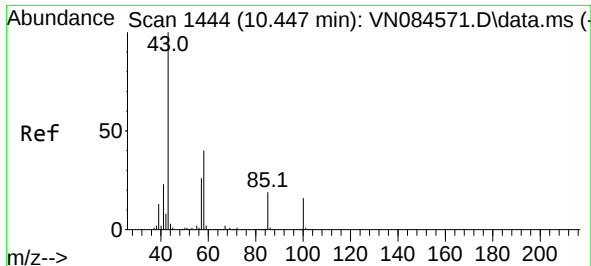
Tgt Ion: 98 Resp: 313048

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1

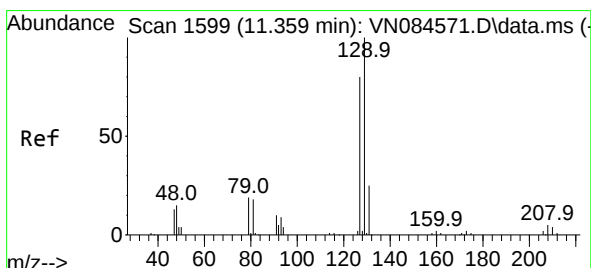
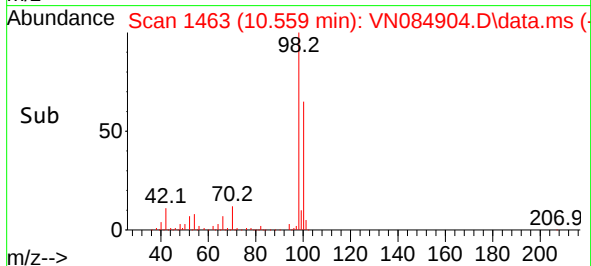
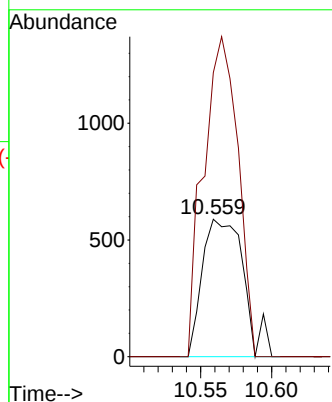
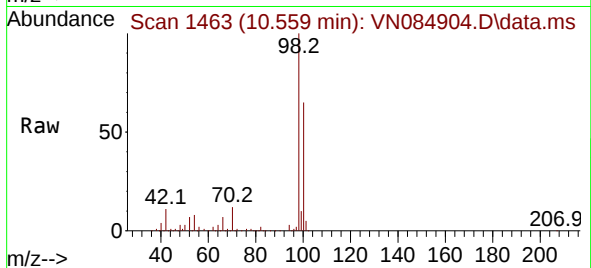




#51
4-Methyl-2-Pentanone
Concen: 0.558 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

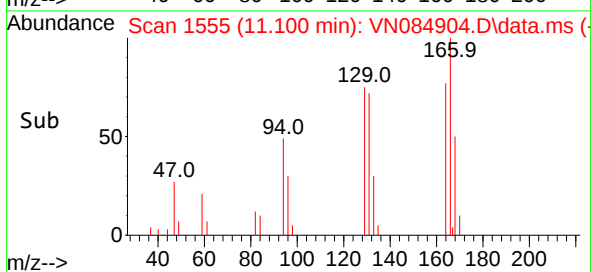
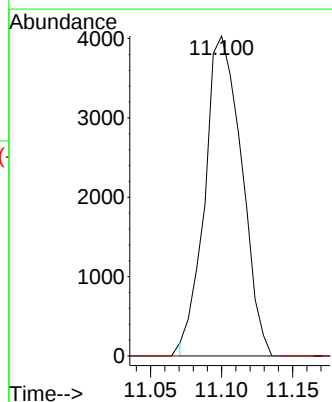
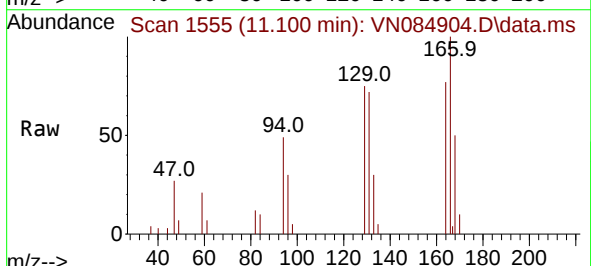
Instrument :
MSVOA_N
ClientSampleId :

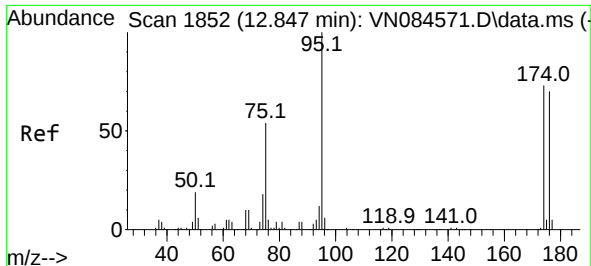
Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 195.3 31.6 47.4#



#60
Dibromochloromethane
Concen: 3.654 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

Tgt Ion:129 Resp: 7243
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

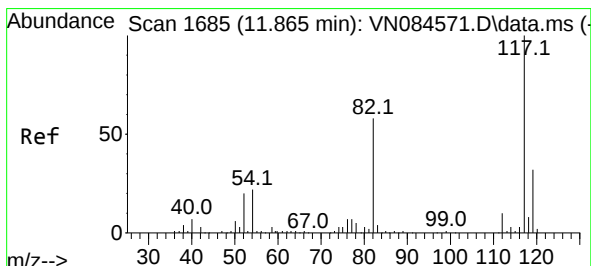
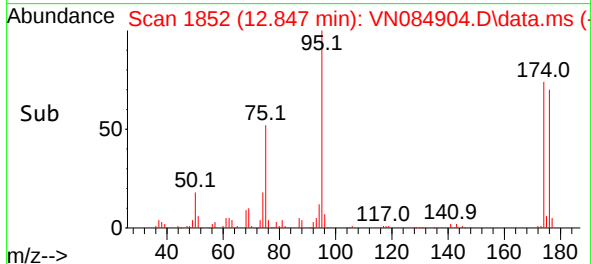
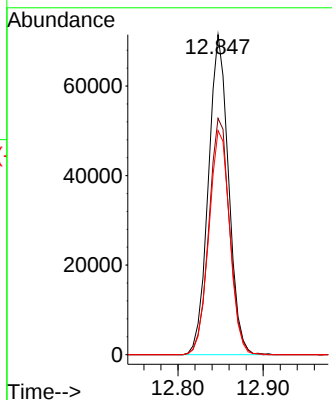
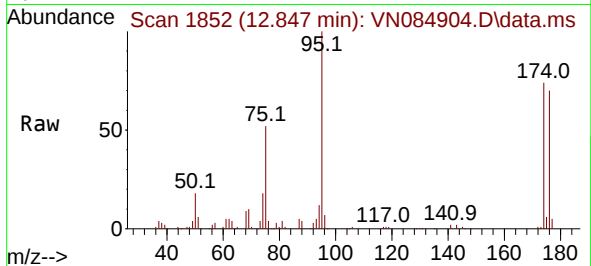




#62
4-Bromofluorobenzene
Concen: 48.120 ug/l
RT: 12.847 min Scan# 117421
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

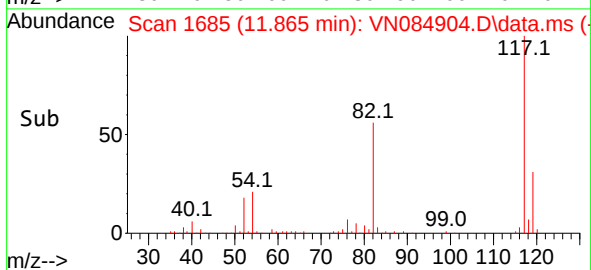
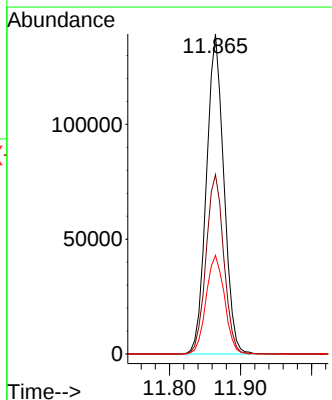
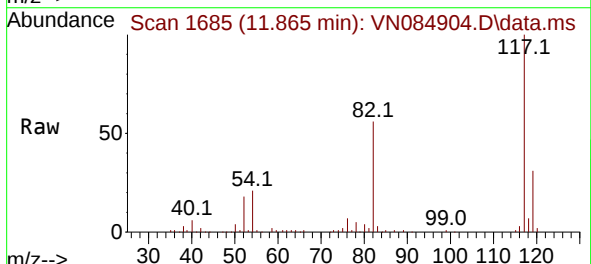
Instrument :
MSVOA_N
ClientSampleId :

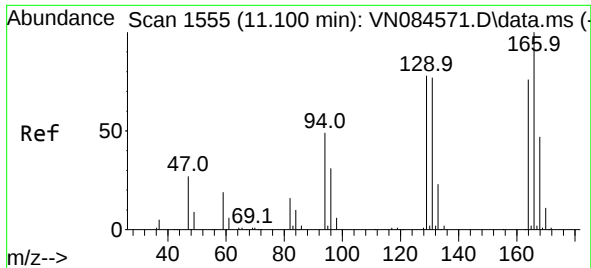
Tgt Ion: 95 Resp: 117421
Ion Ratio Lower Upper
95 100
174 76.0 0.0 145.2
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

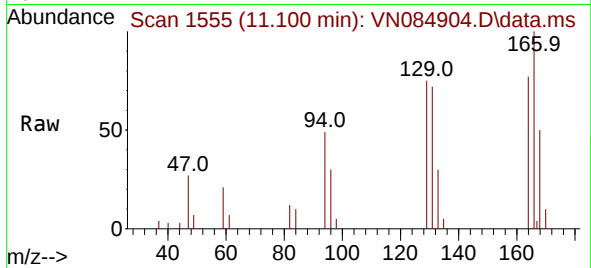
Tgt Ion: 117 Resp: 237602
Ion Ratio Lower Upper
117 100
82 56.0 47.2 70.8
119 30.8 25.4 38.0



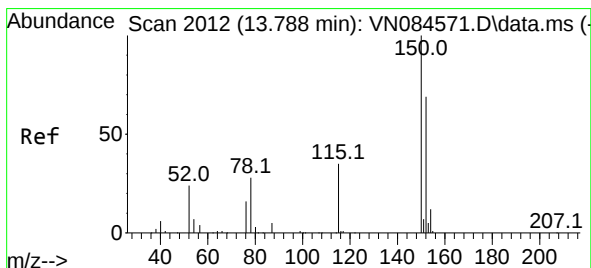
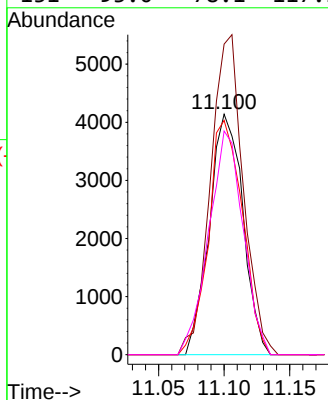
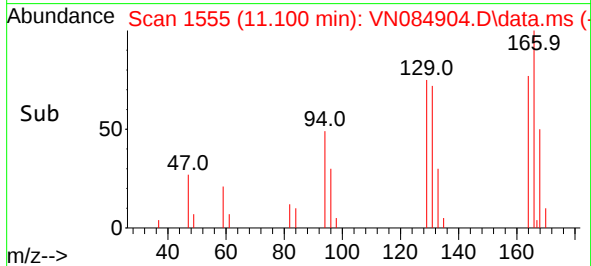


#64
Tetrachloroethene
Concen: 4.655 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49

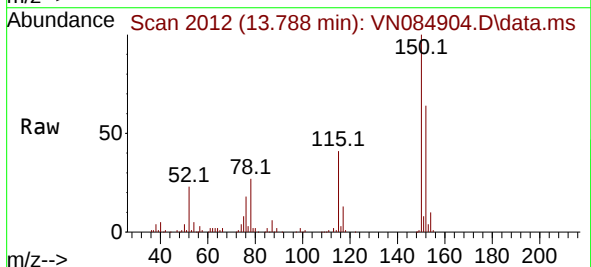
Instrument :
MSVOA_N
ClientSampleId :



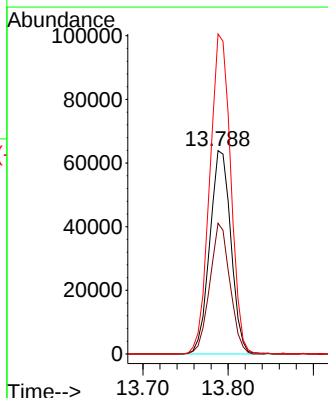
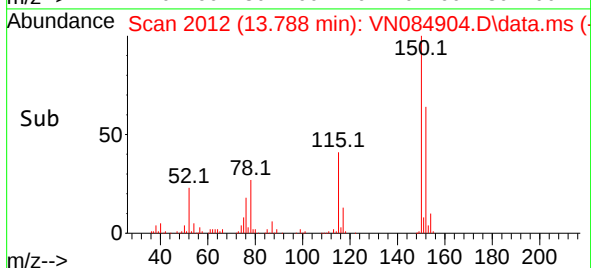
Tgt Ion:164 Resp: 7357
Ion Ratio Lower Upper
164 100
166 129.1 101.0 151.4
129 97.4 80.8 121.2
131 93.0 78.1 117.1

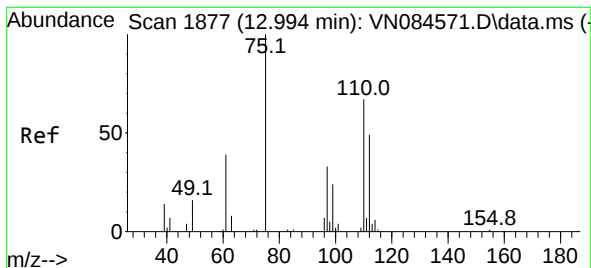


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084904.D
Acq: 17 Nov 2024 18:49



Tgt Ion:152 Resp: 110127
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.9
150 156.2 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 27.826 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

Instrument :

MSVOA_N

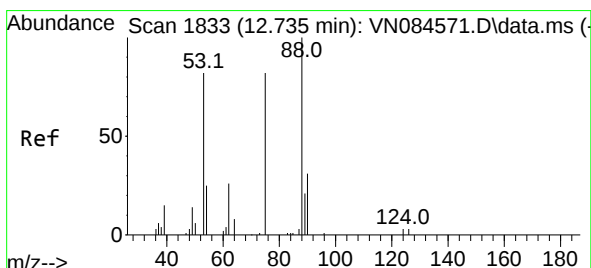
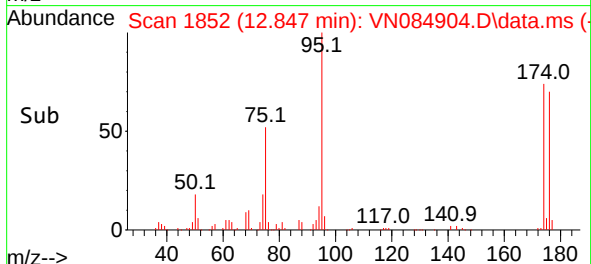
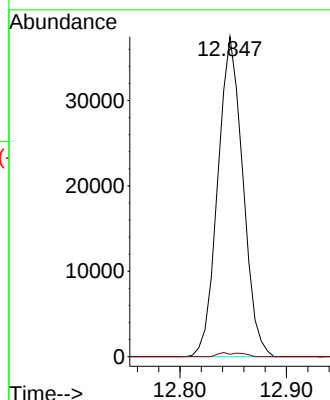
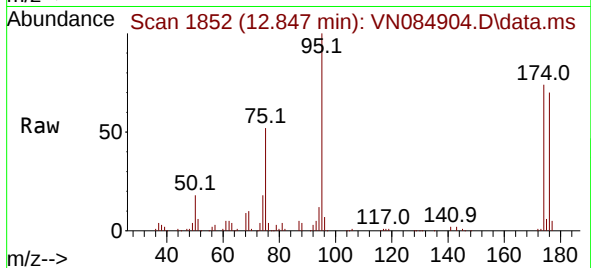
ClientSampleId :

Tgt Ion: 75 Resp: 61255

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.014 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

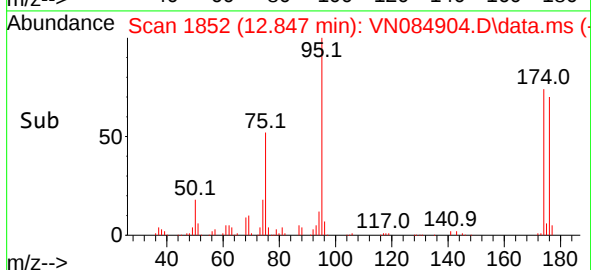
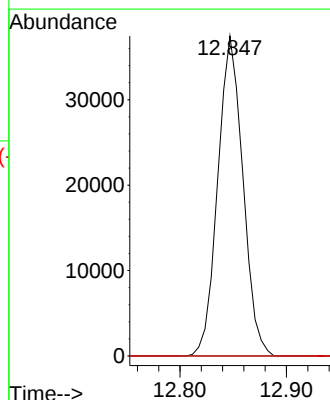
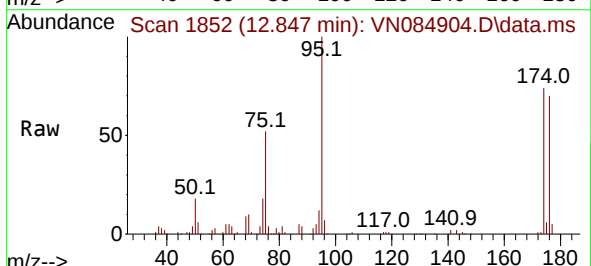
Tgt Ion: 75 Resp: 61255

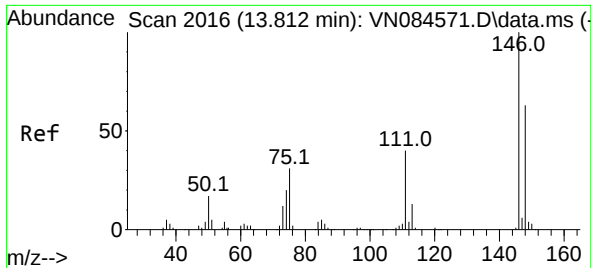
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 20

Delta R.T. -0.006 min

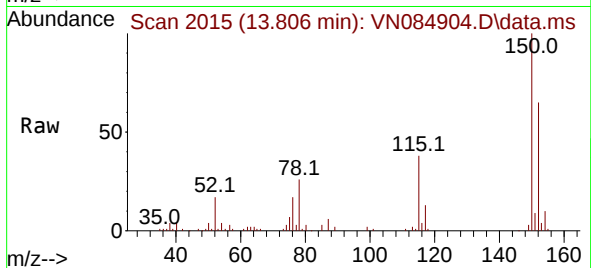
Lab File: VN084904.D

Acq: 17 Nov 2024 18:49

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	146	Resp:	57
Ion	Ratio	Lower	Upper
146	100		
111	2526.3	21.2	63.6#
148	678.9	31.9	95.9#

