

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084844.D
 Acq On : 14 Nov 2024 10:52
 Operator : JC\MD
 Sample : VN1114WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:42:52 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	203029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	293869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131669	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	149395	50.946	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.900%	
35) Dibromofluoromethane	8.165	113	119930	52.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.020%	
50) Toluene-d8	10.565	98	393047	46.276	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.560%	
62) 4-Bromofluorobenzene	12.847	95	149177	46.995	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.000%	

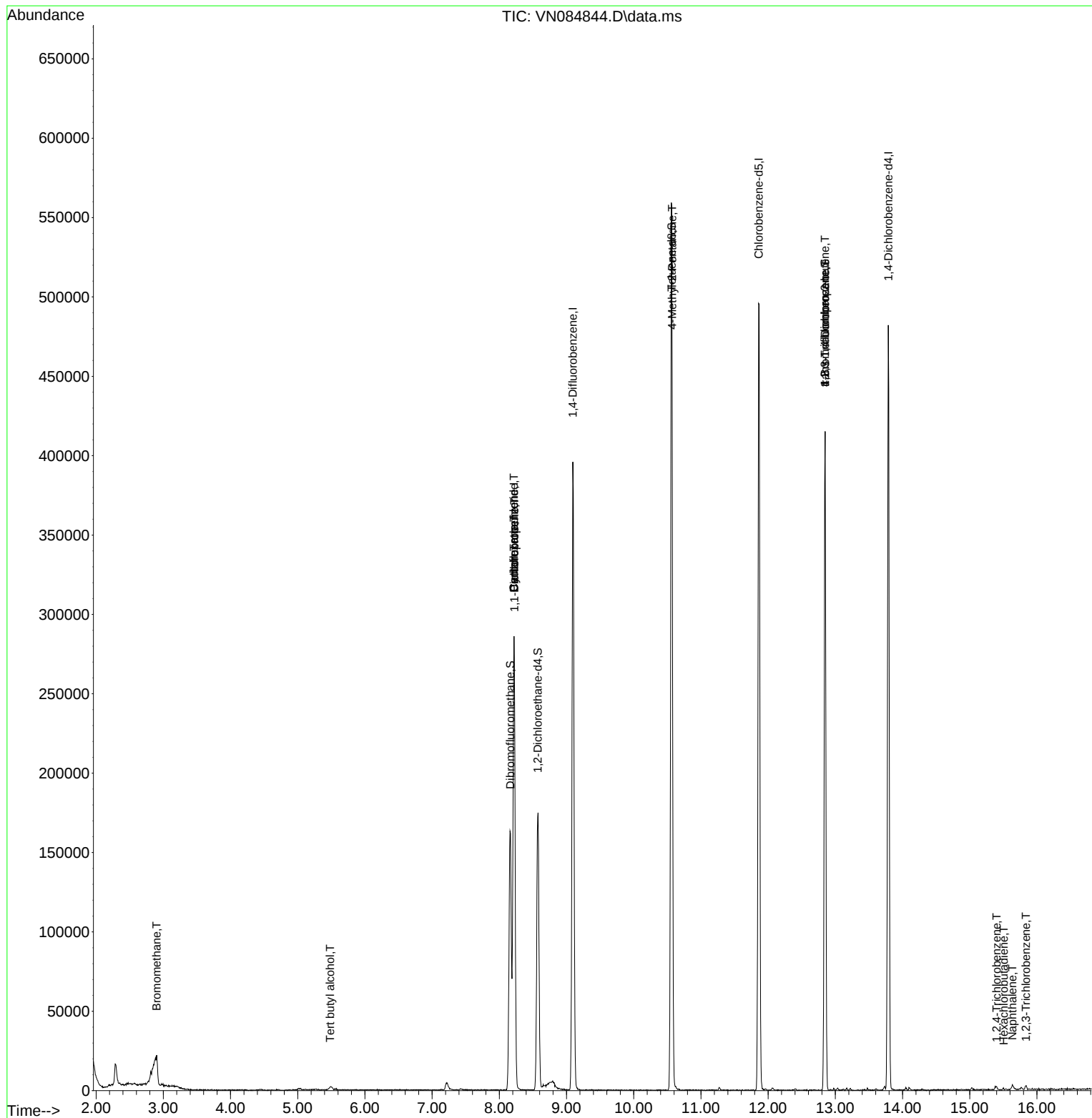
Target Compounds				Qvalue		
3) Chloromethane	2.359	50	585	Below Cal	93	
5) Bromomethane	2.901	94	373	0.280 ug/l #	69	
6) Chloroethane	3.130	64	241	Below Cal #	45	
11) Tert butyl alcohol	5.483	59	2083	5.381 ug/l #	73	
18) Methyl Acetate	5.024	43	1089	Below Cal	95	
31) Cyclohexane	8.218	56	4425	1.093 ug/l #	1	
36) 1,1-Dichloropropene	8.224	75	17665	5.524 ug/l #	51	
38) Carbon Tetrachloride	8.218	117	22161	6.200 ug/l #	15	
43) Isopropyl Acetate	8.677	43	567	Below Cal #	56	
51) 4-Methyl-2-Pentanone	10.571	43	1615	0.584 ug/l #	1	
76) 1,2,3-Trichloropropane	12.847	75	75752	28.781 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.847	75	75752	68.280 ug/l #	11	
88) 1,4-Dichlorobenzene	13.723	146	953	Below Cal	93	
93) 1,2,4-Trichlorobenzene	15.400	180	1258	0.494 ug/l #	16	
94) Hexachlorobutadiene	15.506	225	287	0.257 ug/l #	61	
95) Naphthalene	15.635	128	3854	0.506 ug/l #	91	
96) 1,2,3-Trichlorobenzene	15.835	180	1198	0.485 ug/l	84	

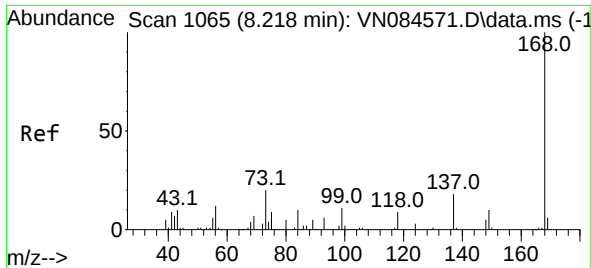
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

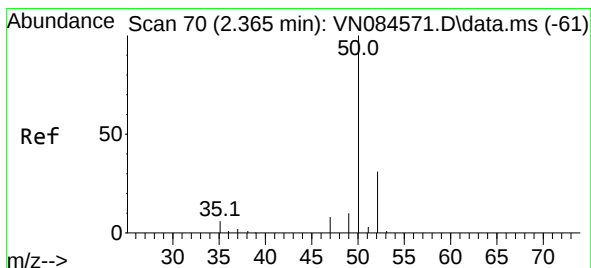
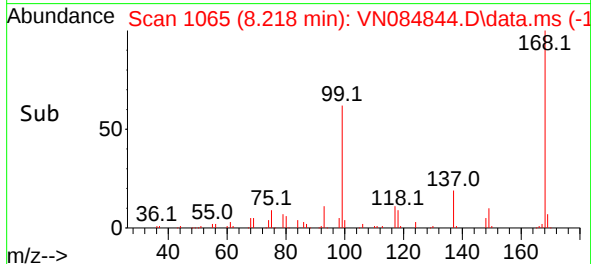
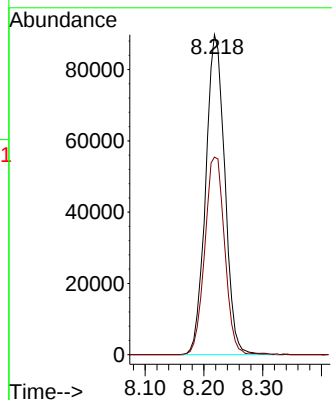
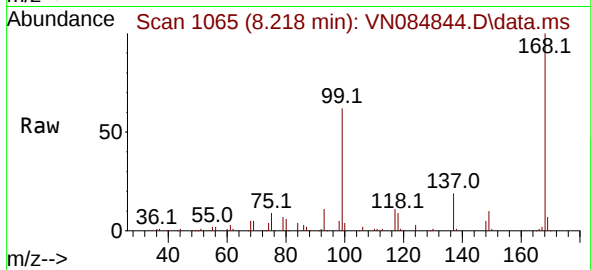




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

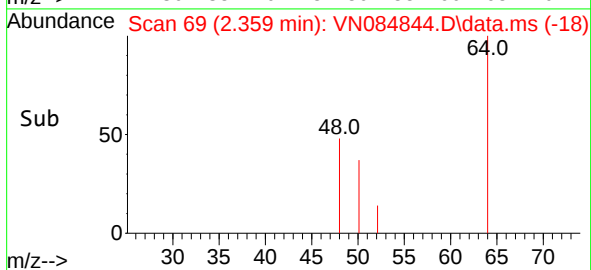
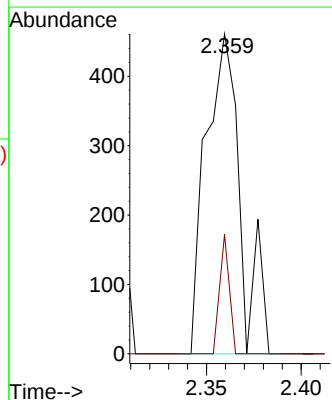
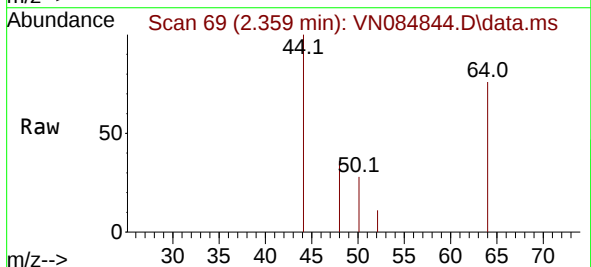
Instrument :
MSVOA_N
ClientSampleId :

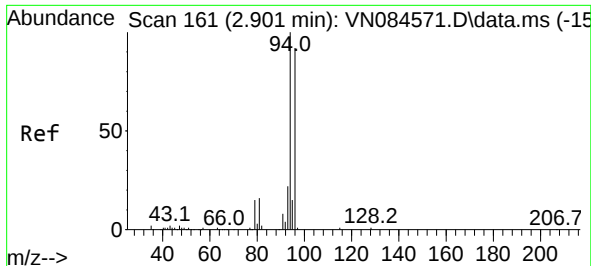
Tgt Ion:168 Resp: 203029
Ion Ratio Lower Upper
168 100
99 61.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 50 Resp: 585
Ion Ratio Lower Upper
50 100
52 37.3 26.8 40.2

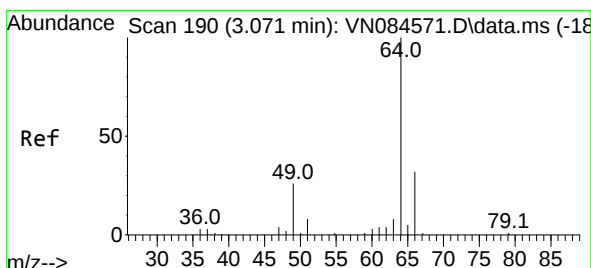
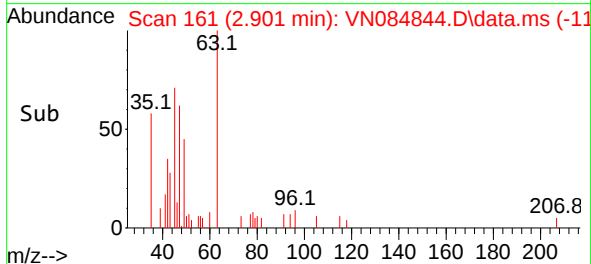
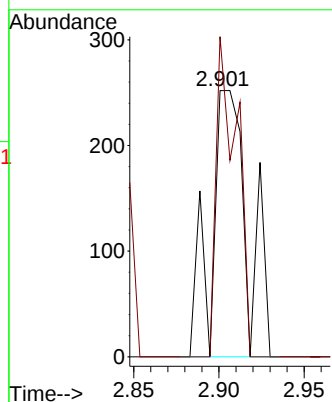
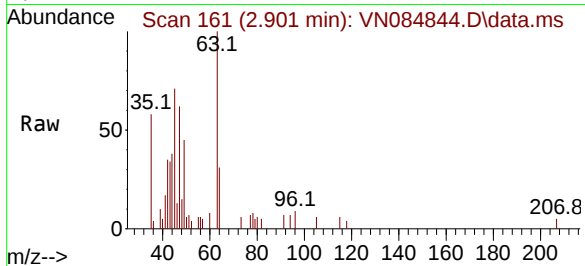




#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

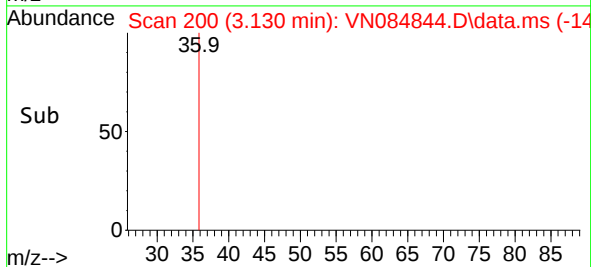
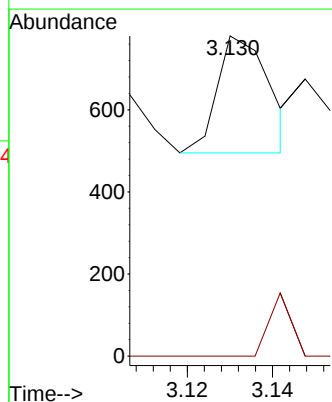
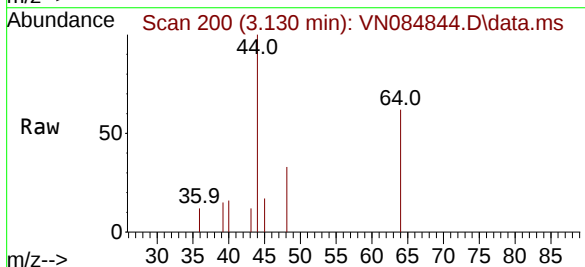
Instrument :
MSVOA_N
ClientSampleId :

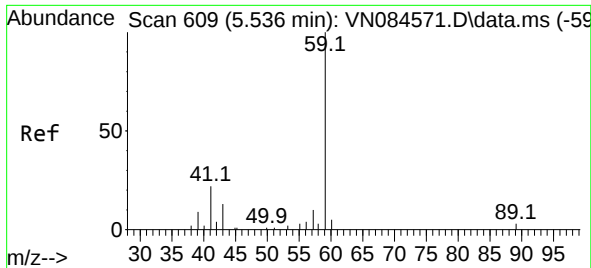
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 120.2 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

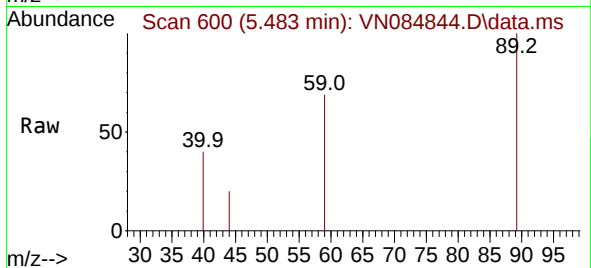
Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



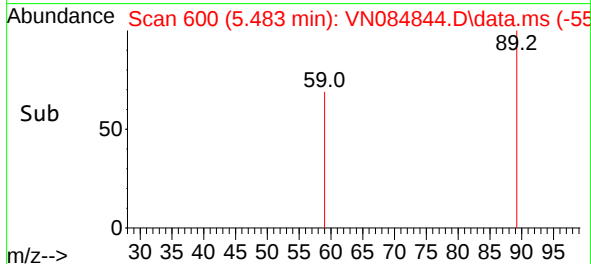
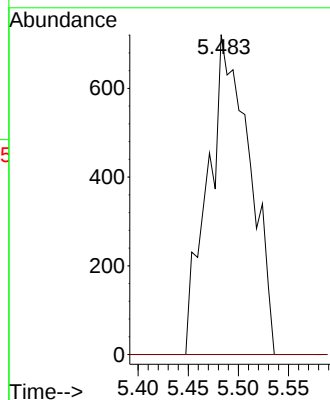


#11
Tert butyl alcohol
Concen: 5.381 ug/l
RT: 5.483 min Scan# 609
Delta R.T. -0.041 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :

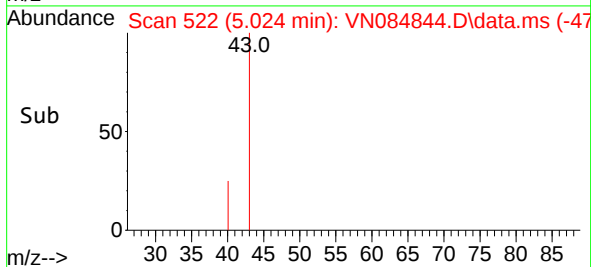
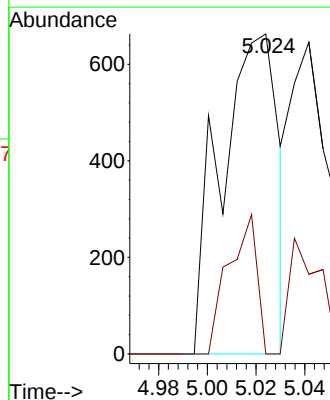
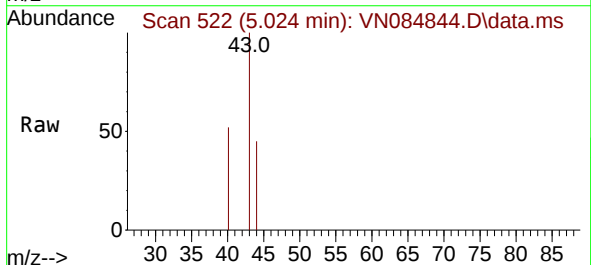


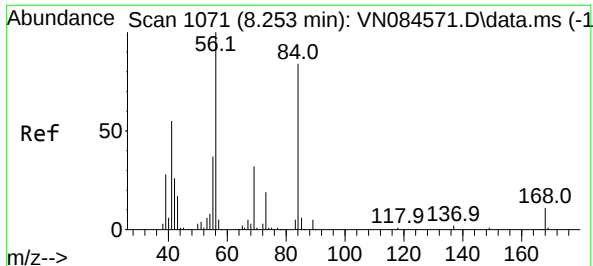
Tgt Ion: 59 Resp: 2083
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
74 21.6 19.2 28.8





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 8.218 min Scan# 1105

Delta R.T. -0.035 min

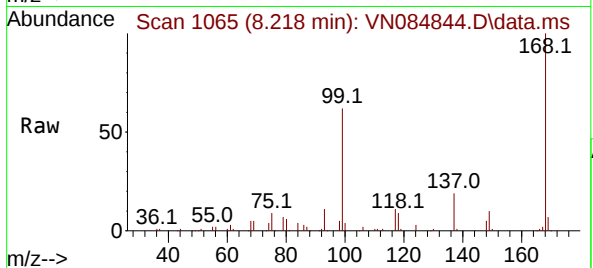
Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

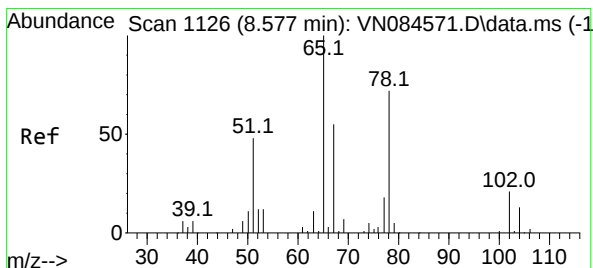
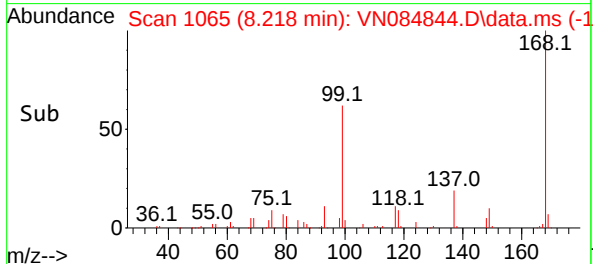
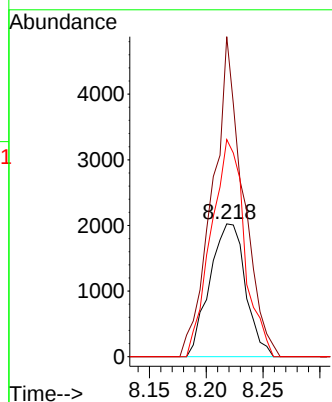
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	4425
Ion Ratio	Lower	Upper	
56	100		
69	240.9	23.8	35.6#
84	163.4	68.8	103.2#



#33

1,2-Dichloroethane-d4

Concen: 50.946 ug/l

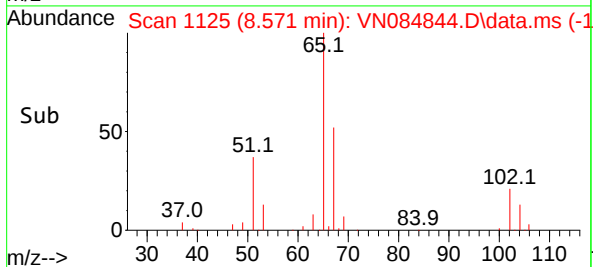
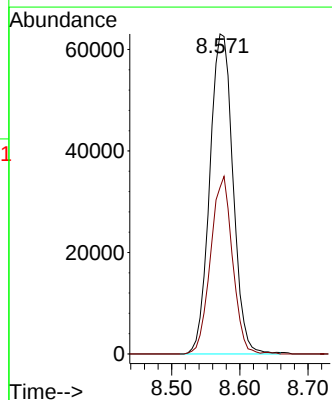
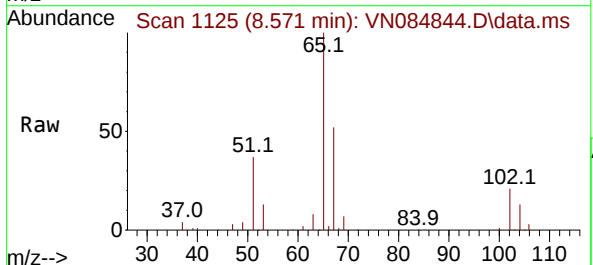
RT: 8.571 min Scan# 1125

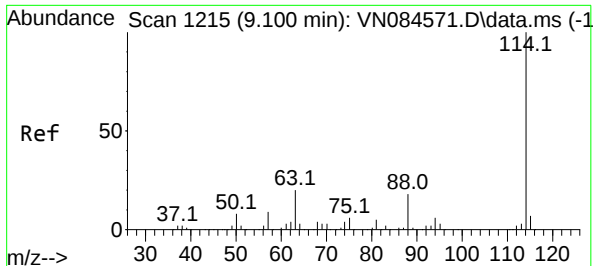
Delta R.T. -0.006 min

Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

Tgt Ion:	65	Resp:	149395
Ion Ratio	Lower	Upper	
65	100		
67	52.5	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

Instrument :

MSVOA_N

ClientSampleId :

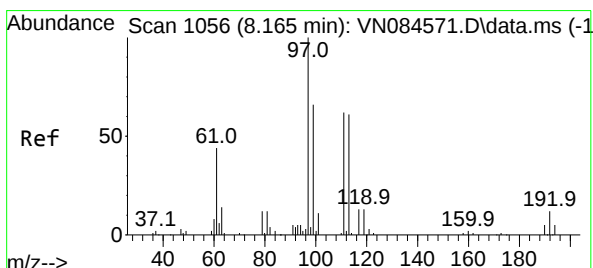
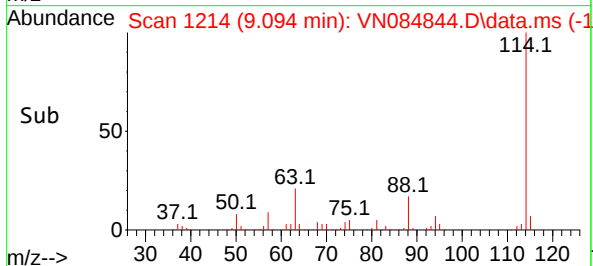
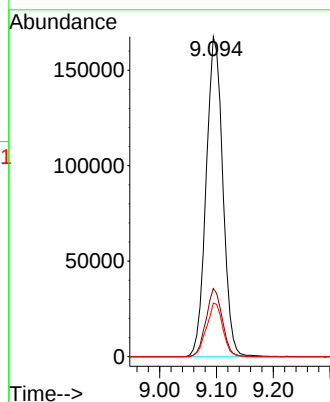
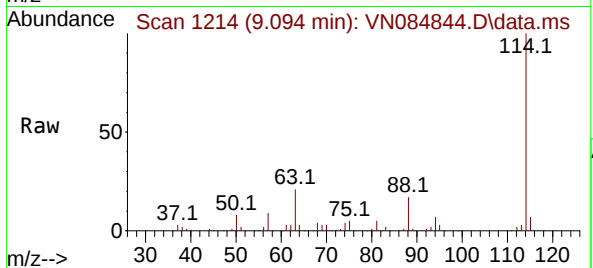
Tgt Ion:114 Resp: 340637

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 16.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 52.015 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

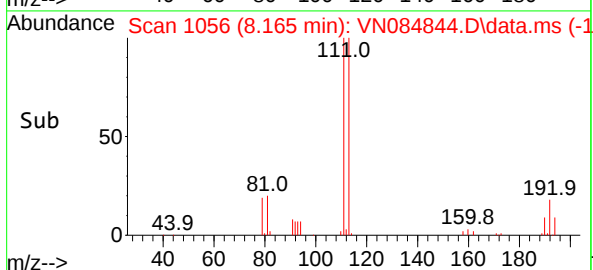
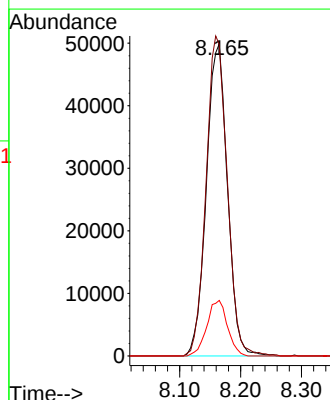
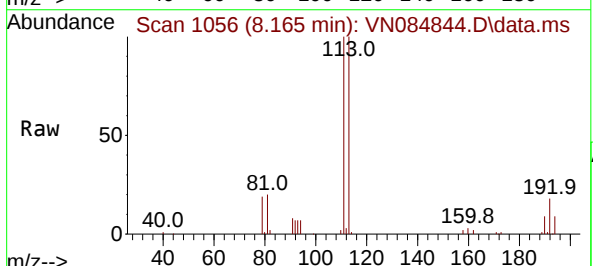
Tgt Ion:113 Resp: 119930

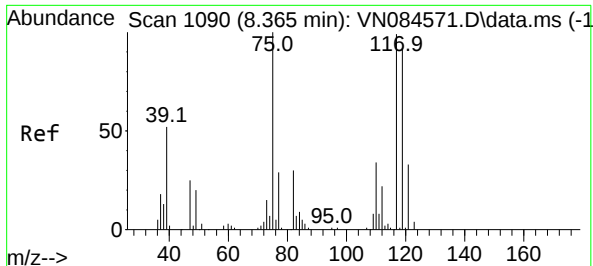
Ion Ratio Lower Upper

113 100

111 102.7 83.3 124.9

192 17.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.524 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

Instrument :

MSVOA_N

ClientSampleId :

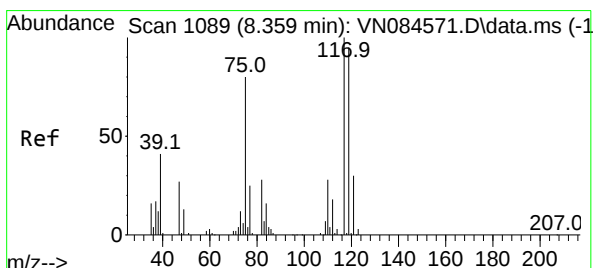
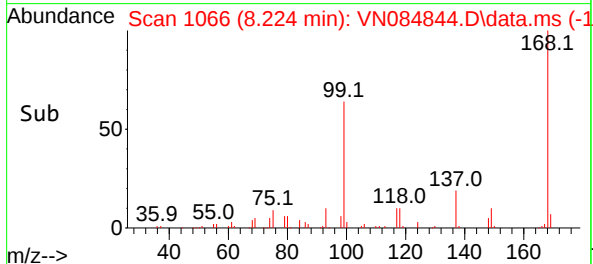
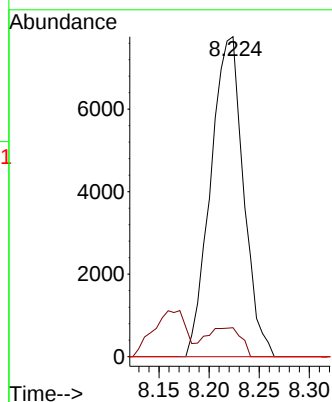
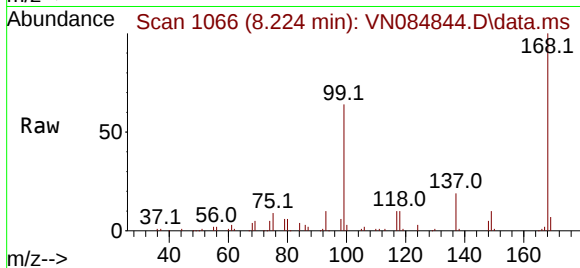
Tgt Ion: 75 Resp: 17665

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.200 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

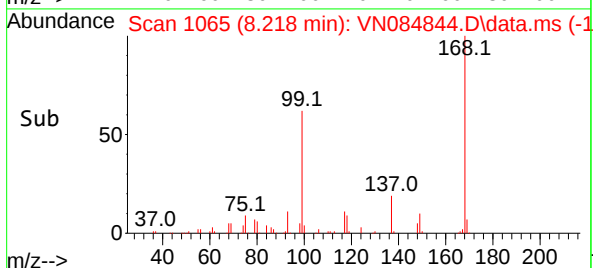
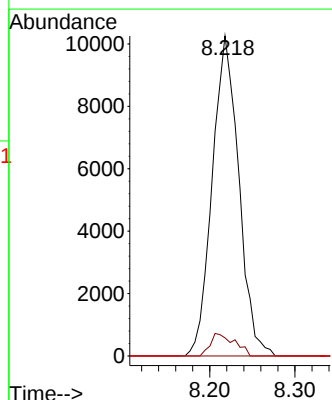
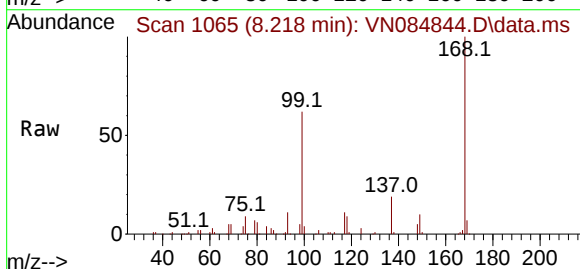
Tgt Ion: 117 Resp: 22161

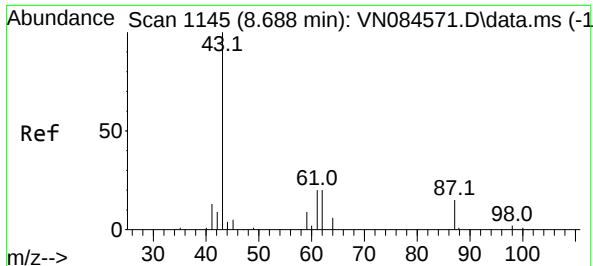
Ion Ratio Lower Upper

117 100

119 5.6 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.677 min Scan# 1143

Delta R.T. -0.011 min

Lab File: VN084844.D

Acq: 14 Nov 2024 10:52

Instrument :

MSVOA_N

ClientSampleId :

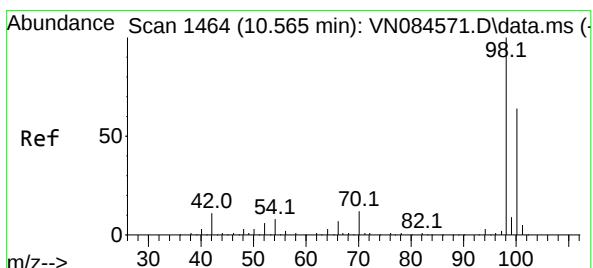
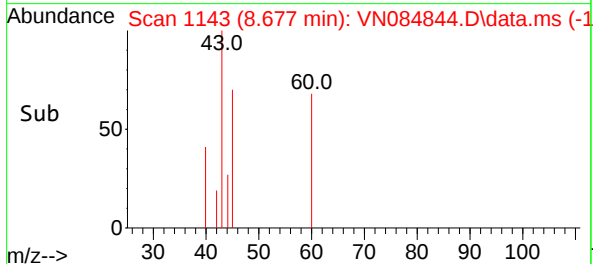
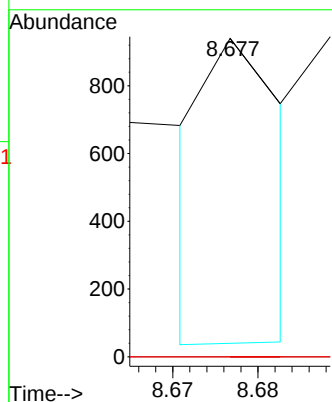
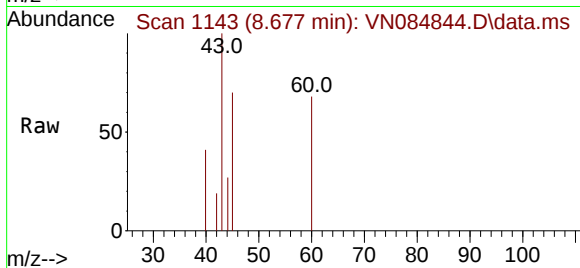
Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 46.276 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084844.D

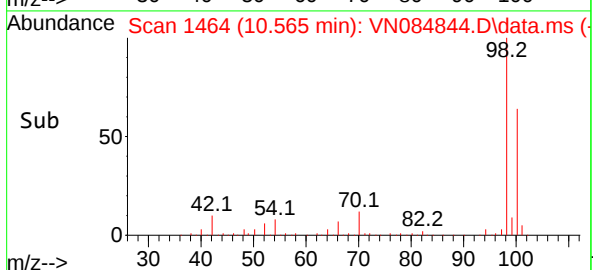
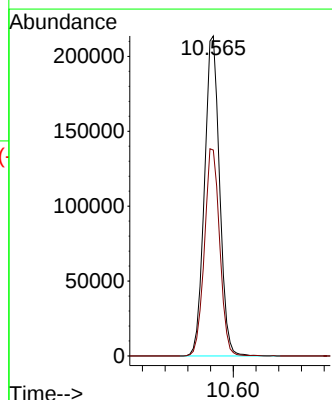
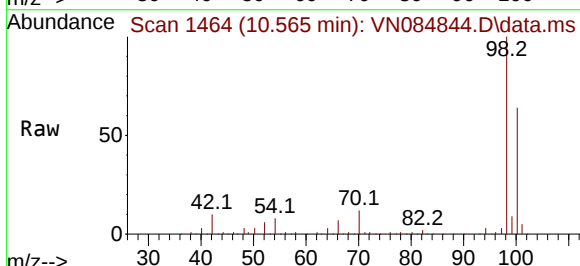
Acq: 14 Nov 2024 10:52

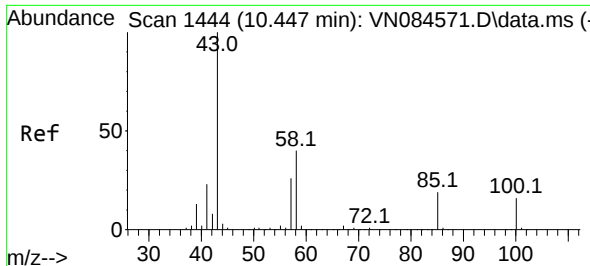
Tgt Ion: 98 Resp: 393047

Ion Ratio Lower Upper

98 100

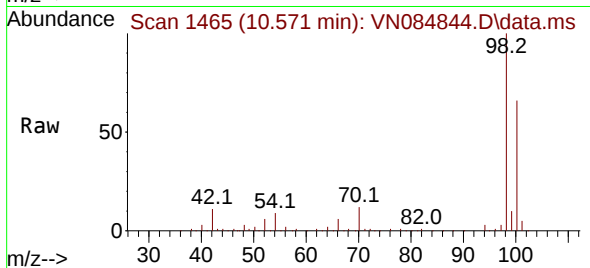
100 65.3 52.7 79.1



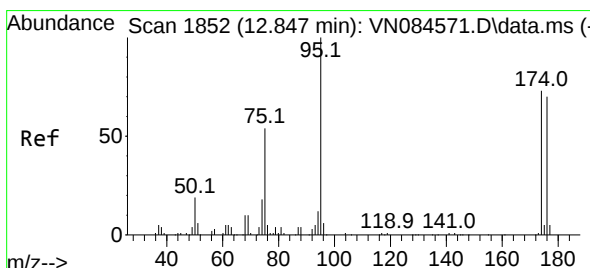
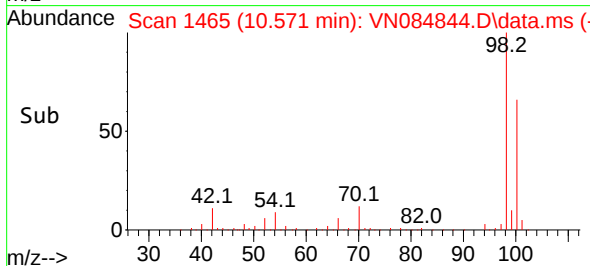
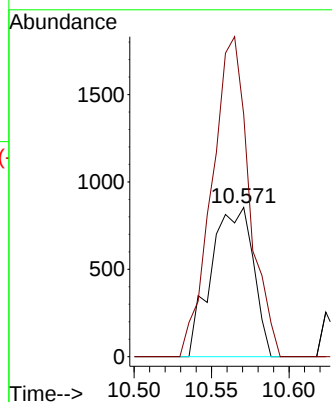


#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :

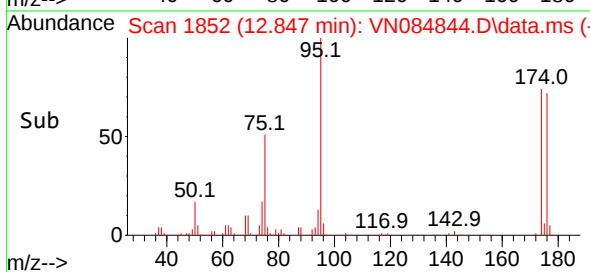
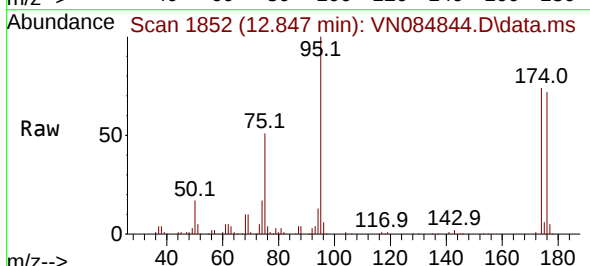
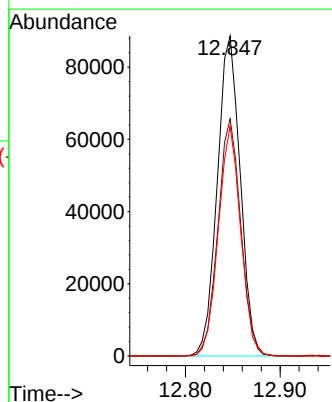


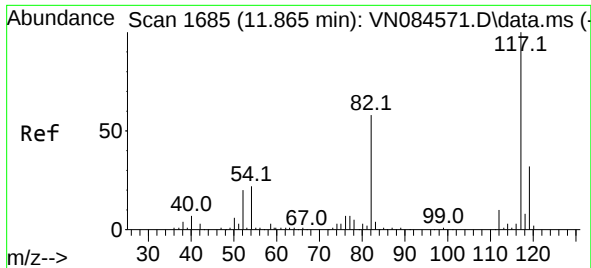
Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 190.2 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 46.995 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 95 Resp: 149177
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.2
176 69.9 0.0 140.0

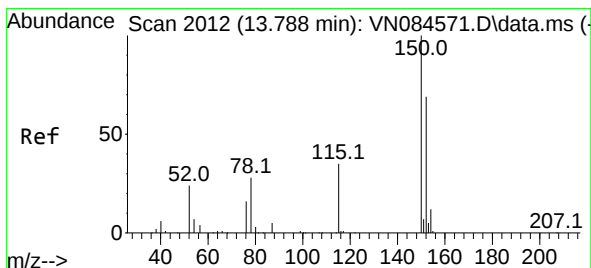
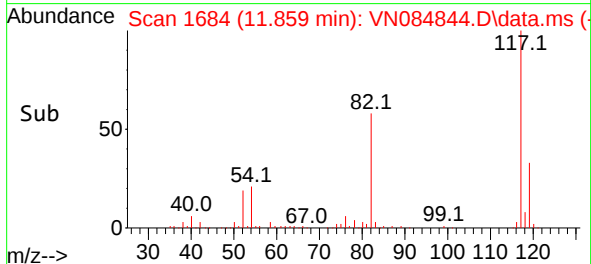
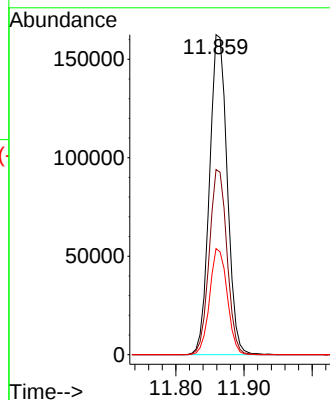
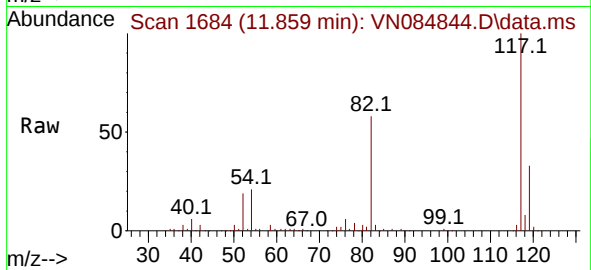




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

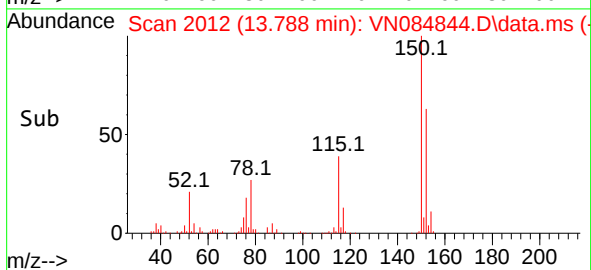
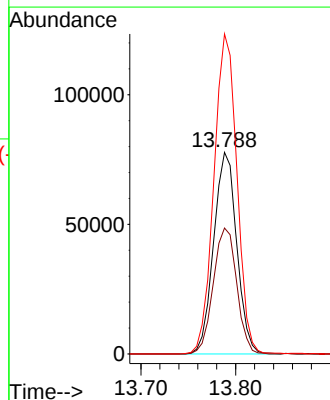
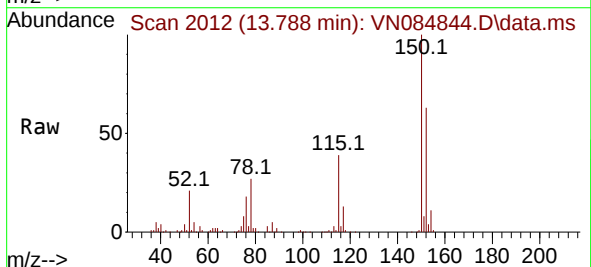
Instrument :
MSVOA_N
ClientSampleId :

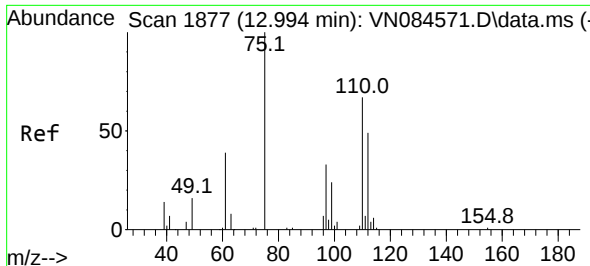
Tgt Ion:117 Resp: 293869
Ion Ratio Lower Upper
117 100
82 57.9 47.2 70.8
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion:152 Resp: 131669
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.9
150 158.2 0.0 349.8

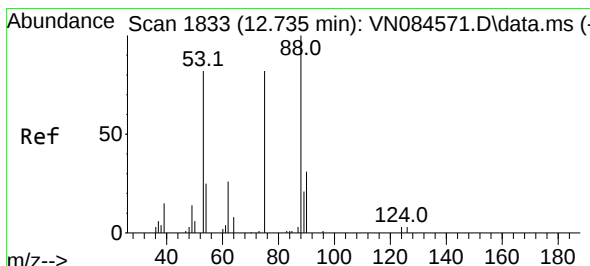
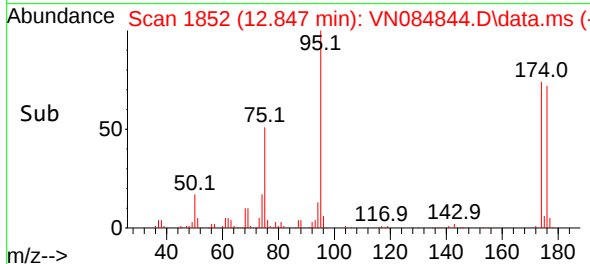
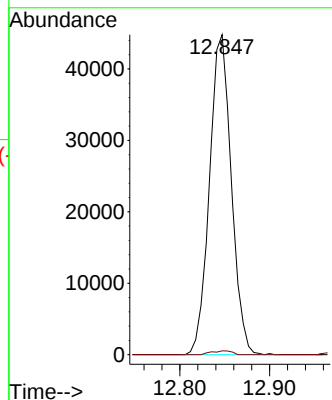
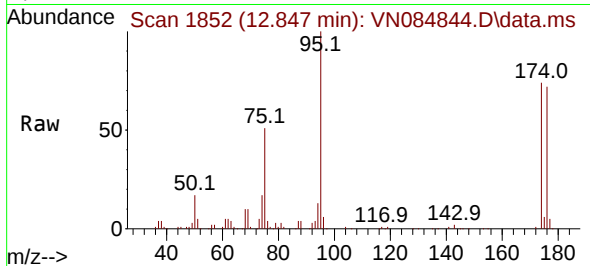




#76
1,2,3-Trichloropropane
Concen: 28.781 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

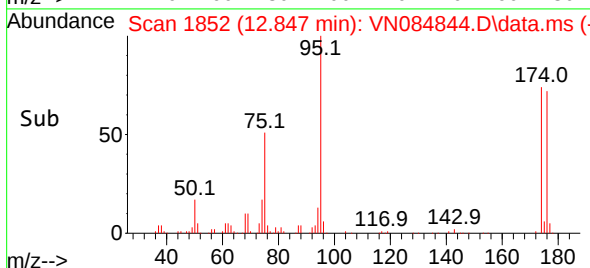
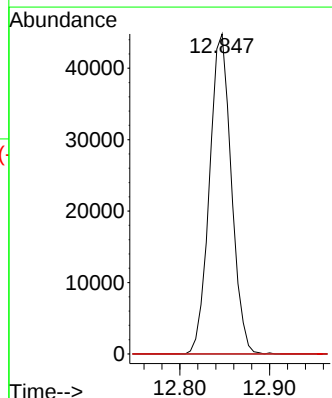
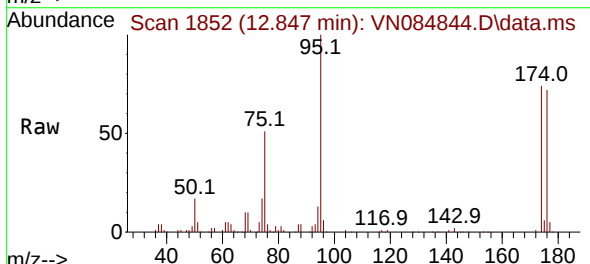
Instrument :
MSVOA_N
ClientSampleId :

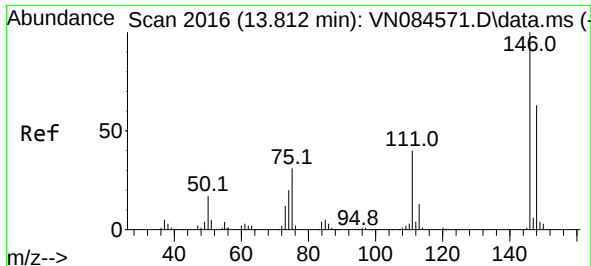
Tgt Ion: 75 Resp: 75752
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.280 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

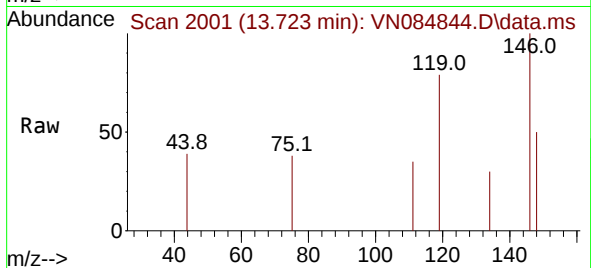
Tgt Ion: 75 Resp: 75752
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



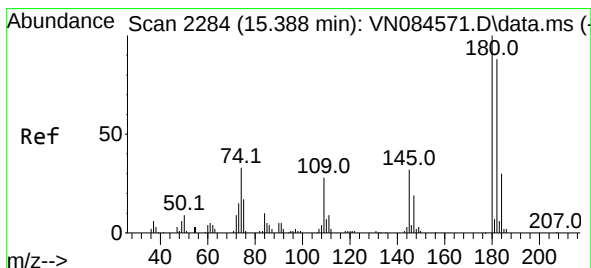
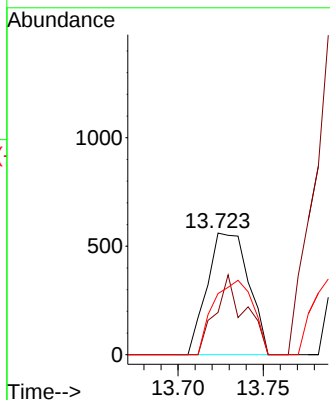
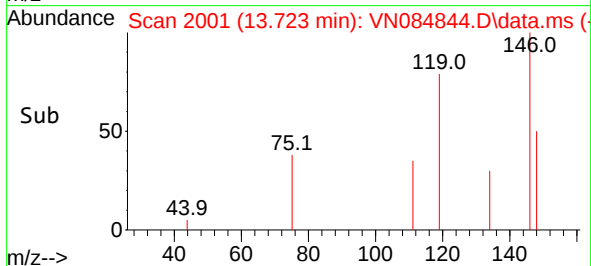


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.723 min Scan# 2016
Delta R.T. -0.089 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

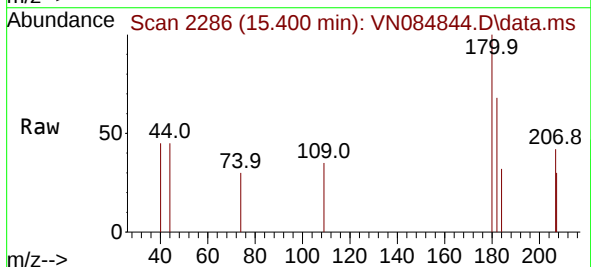
Instrument :
MSVOA_N
ClientSampleId :



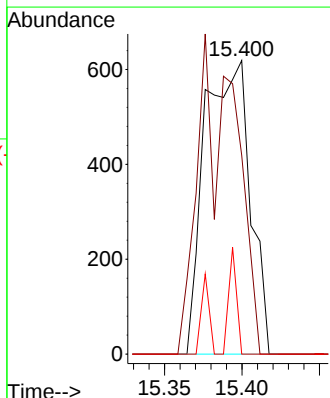
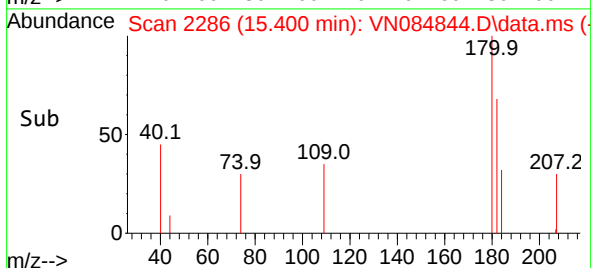
Tgt Ion:146 Resp: 953
Ion Ratio Lower Upper
146 100
111 47.0 21.2 63.6
148 58.6 31.9 95.9

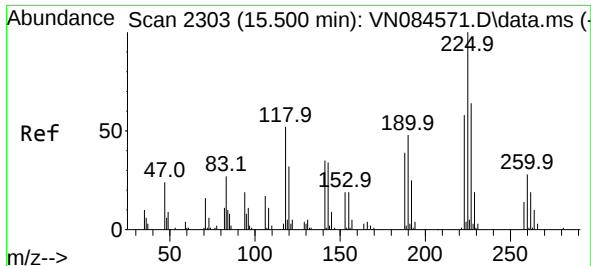


#93
1,2,4-Trichlorobenzene
Concen: 0.494 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52



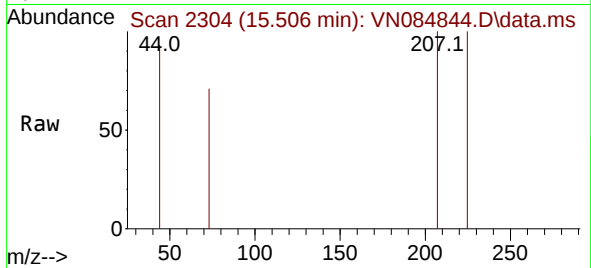
Tgt Ion:180 Resp: 1258
Ion Ratio Lower Upper
180 100
182 0.0 47.0 141.0#
145 6.3 16.4 49.4#



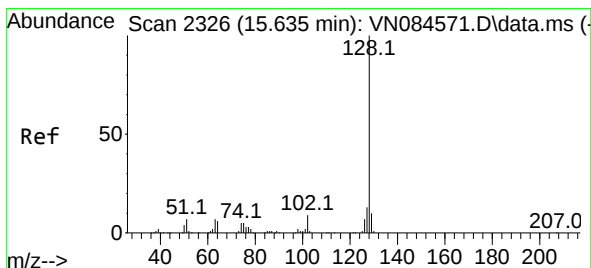
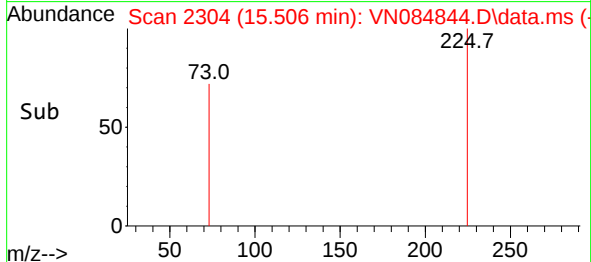
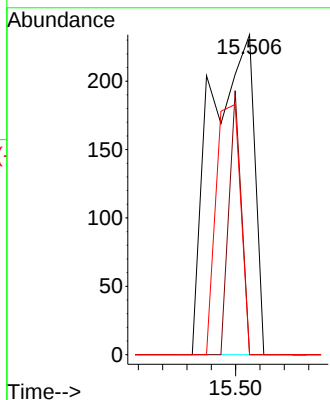


#94
Hexachlorobutadiene
Concen: 0.257 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :

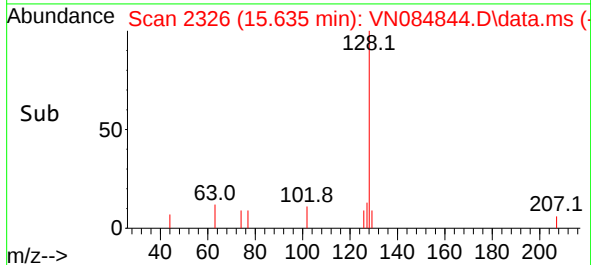
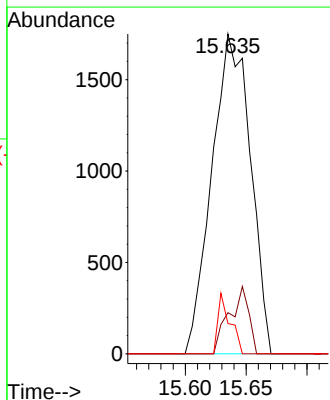
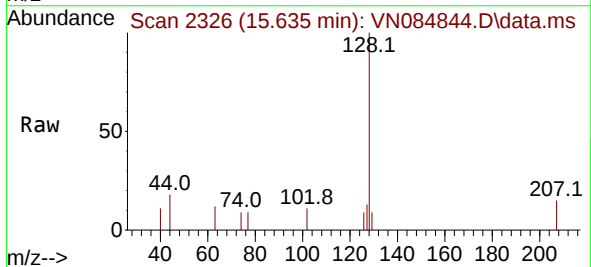


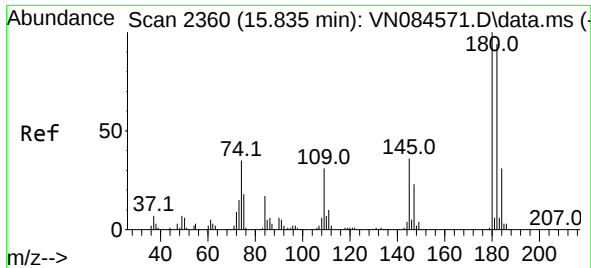
Tgt Ion:225 Resp: 287
Ion Ratio Lower Upper
225 100
223 23.7 32.4 97.2#
227 44.3 32.4 97.0



#95
Naphthalene
Concen: 0.506 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

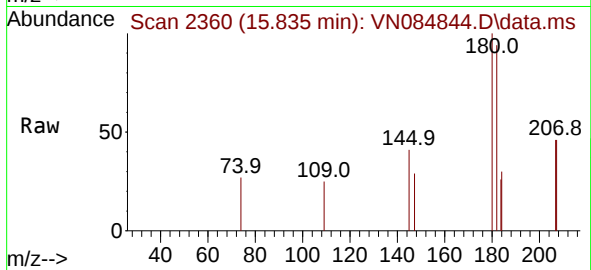
Tgt Ion:128 Resp: 3854
Ion Ratio Lower Upper
128 100
127 10.7 10.5 15.7
129 6.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.485 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN084844.D
 Acq: 14 Nov 2024 10:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.0	48.2	144.6
145	18.8	17.3	51.9

