

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084890.D
 Acq On : 17 Nov 2024 13:12
 Operator : JC\MD
 Sample : P4845-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 00:19:12 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)

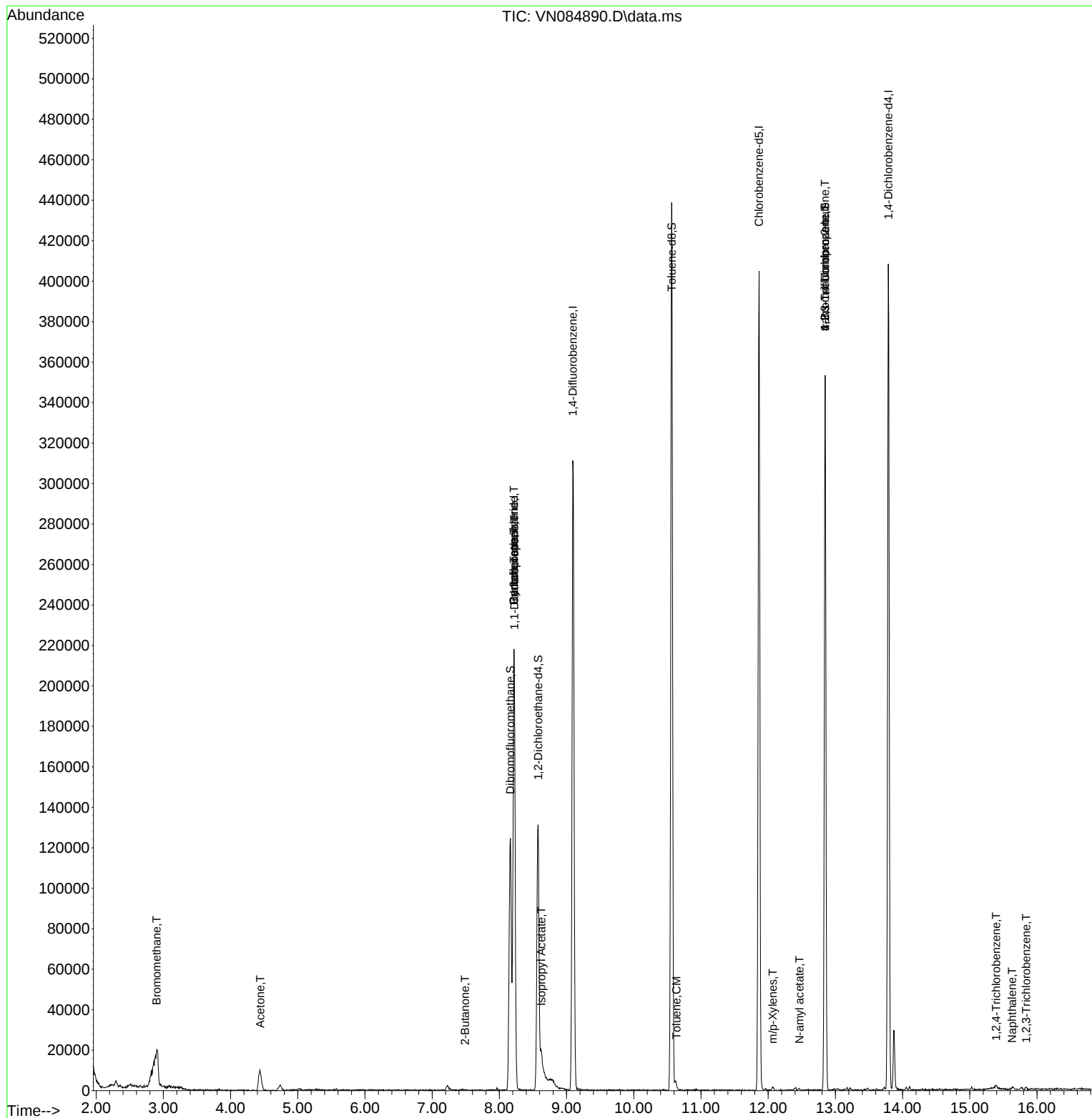
Internal Standards						
1) Pentafluorobenzene	8.218	168	157110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111405	49.094	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.180%
35) Dibromofluoromethane	8.165	113	90914	49.504	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	10.565	98	307503	45.455	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.900%
62) 4-Bromofluorobenzene	12.847	95	122212	48.337	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	733	Below Cal		99
5) Bromomethane	2.901	94	342	0.332 ug/l		84
6) Chloroethane	3.101	64	91	Below Cal	#	45
16) Acetone	4.442	43	6282	6.809 ug/l		89
18) Methyl Acetate	5.036	43	1387	Below Cal	#	65
25) 2-Butanone	7.489	43	301	0.284 ug/l	#	48
31) Cyclohexane	8.218	56	3360	1.073 ug/l	#	1
36) 1,1-Dichloropropene	8.224	75	12120	4.759 ug/l	#	53
38) Carbon Tetrachloride	8.218	117	17326	6.086 ug/l	#	16
43) Isopropyl Acetate	8.624	43	21694	4.197 ug/l	#	56
52) Toluene	10.635	92	1552	0.324 ug/l		99
68) m/p-Xylenes	12.071	106	720	0.220 ug/l		75
74) N-amyl acetate	12.465	43	783	0.238 ug/l	#	42
76) 1,2,3-Trichloropropane	12.847	75	63388	28.713 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63388	68.118 ug/l	#	11
88) 1,4-Dichlorobenzene	13.735	146	797	Below Cal		81
93) 1,2,4-Trichlorobenzene	15.394	180	755	0.354 ug/l	#	72
95) Naphthalene	15.629	128	1899	0.297 ug/l	#	74
96) 1,2,3-Trichlorobenzene	15.841	180	606	0.292 ug/l	#	80

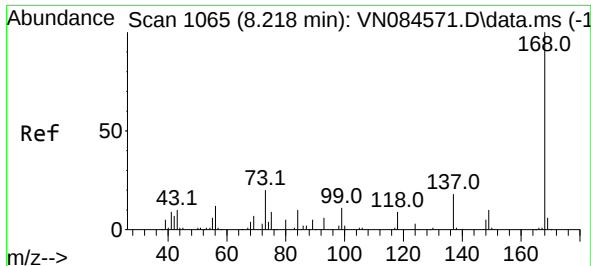
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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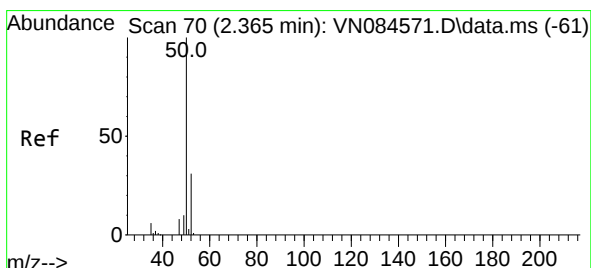
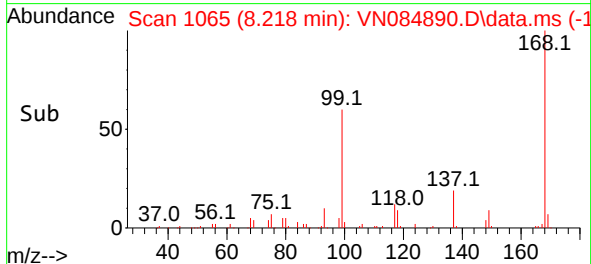
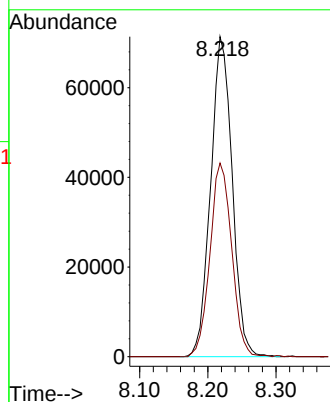
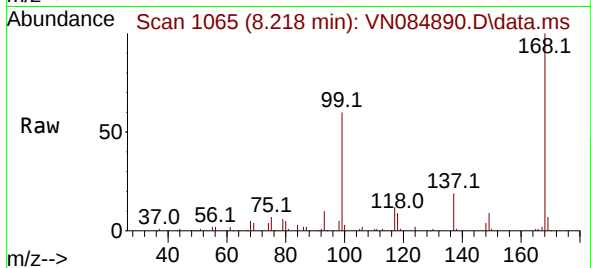




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

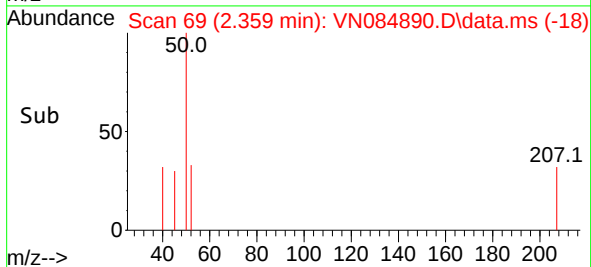
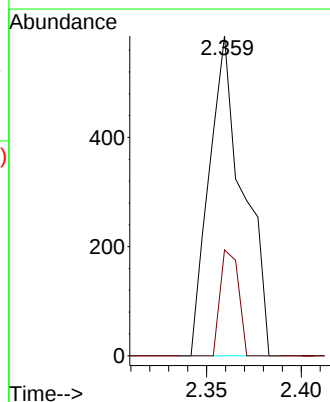
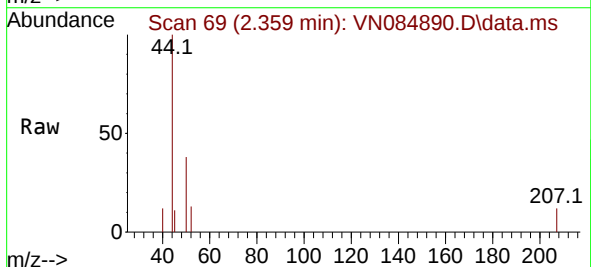
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 157110
Ion Ratio Lower Upper
168 100
99 60.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 33.1 26.8 40.2

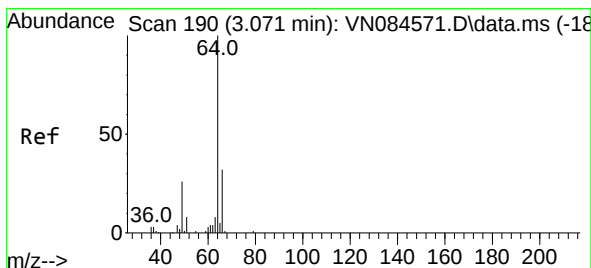
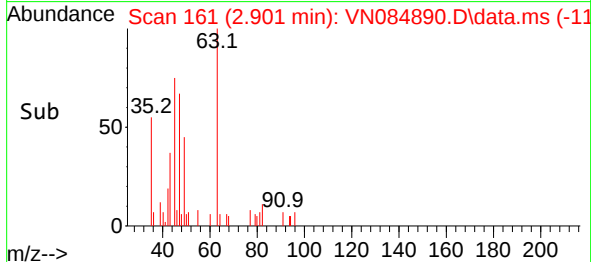
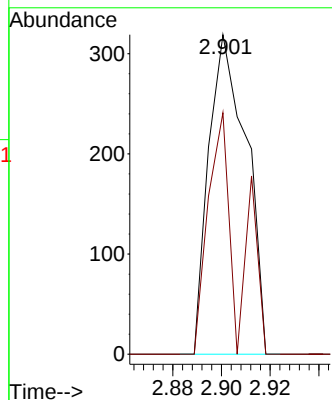
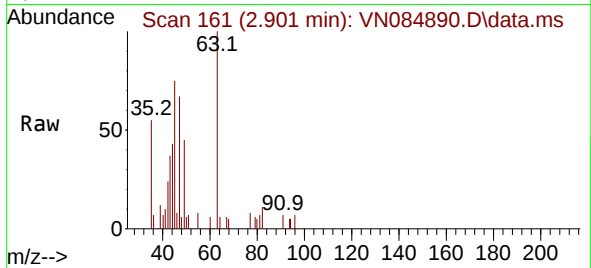




#5
Bromomethane
Concen: 0.332 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

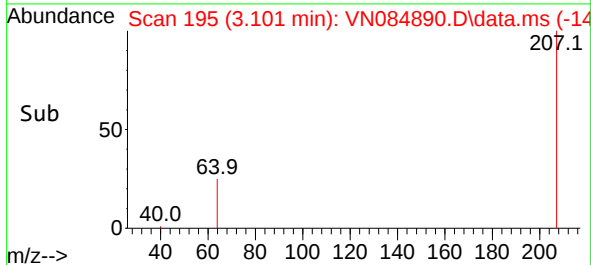
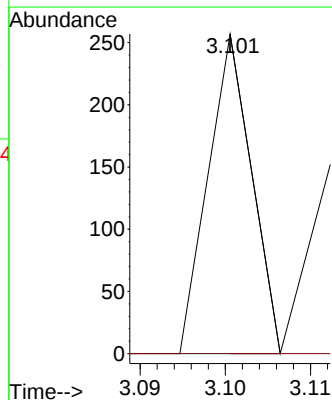
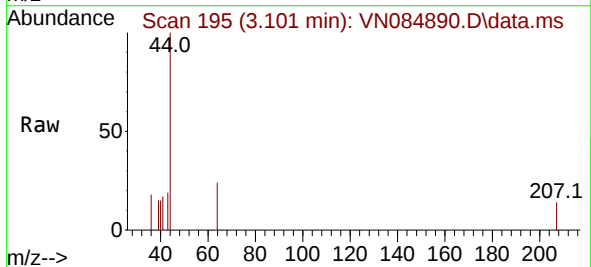
Instrument :
MSVOA_N
ClientSampleId :

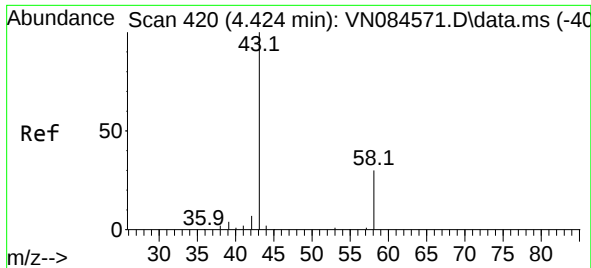
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 75.5 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#16

Acetone

Concen: 6.809 ug/l

RT: 4.442 min Scan# 43

Delta R.T. 0.018 min

Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

Instrument :

MSVOA_N

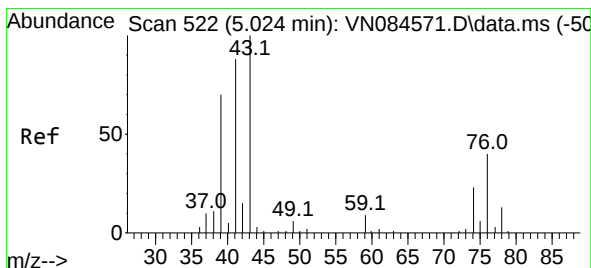
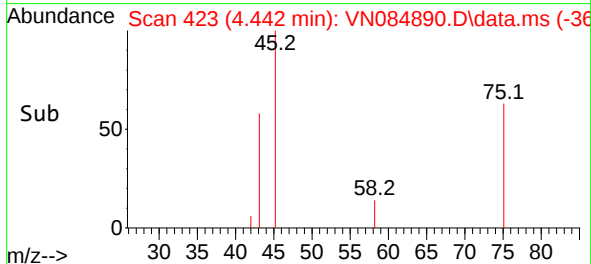
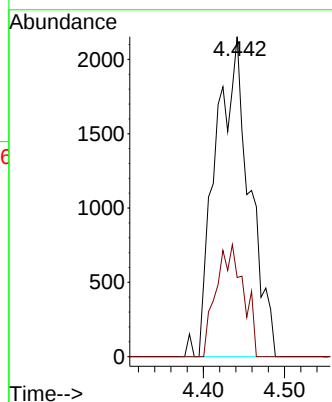
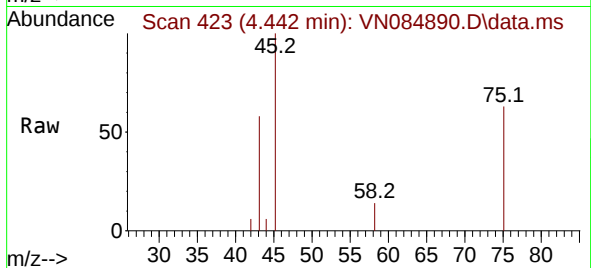
ClientSampleId :

Tgt Ion: 43 Resp: 6282

Ion Ratio Lower Upper

43 100

58 24.8 24.4 36.6



#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN084890.D

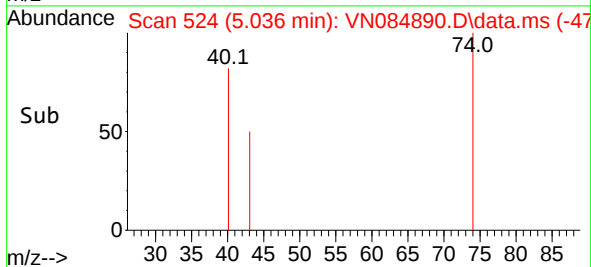
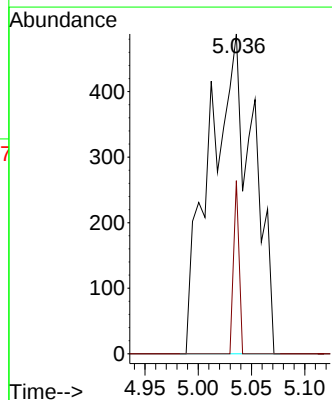
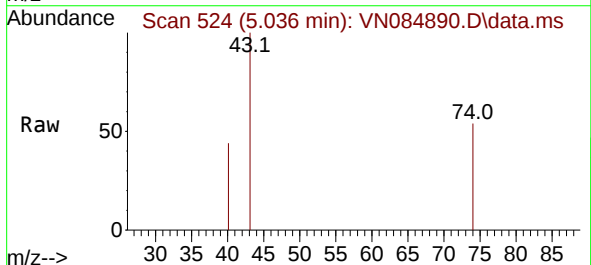
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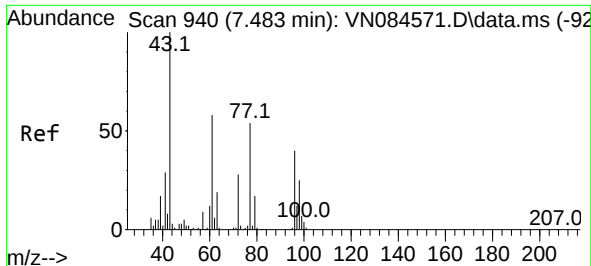
Tgt Ion: 43 Resp: 1387

Ion Ratio Lower Upper

43 100

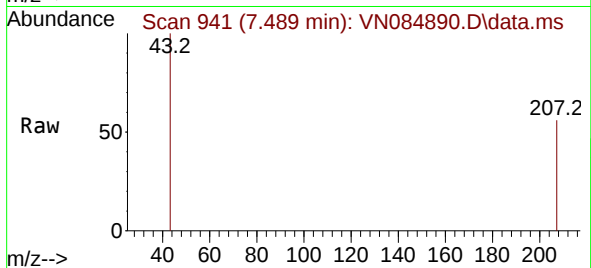
74 6.7 19.2 28.8#



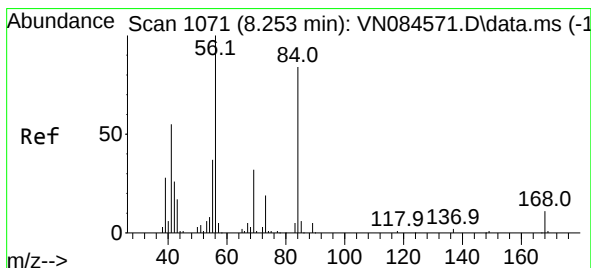
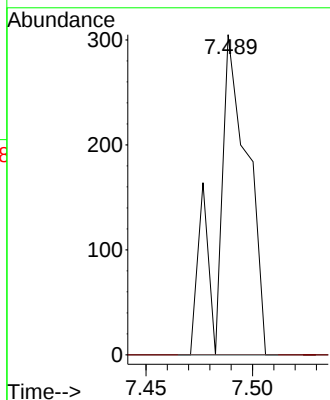
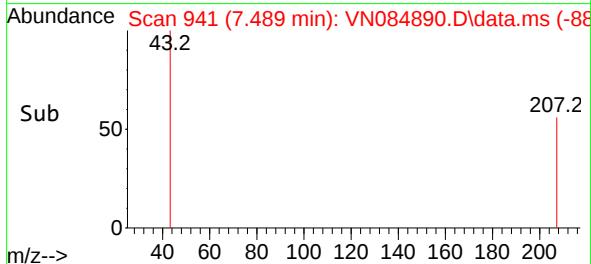


#25
2-Butanone
Concen: 0.284 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

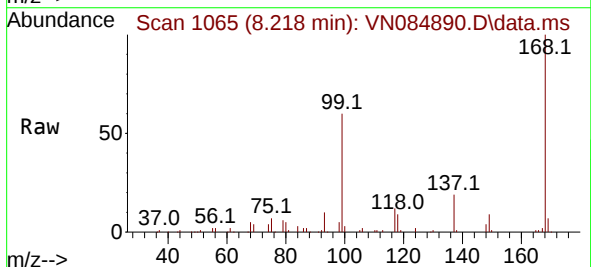
Instrument :
MSVOA_N
ClientSampleId :



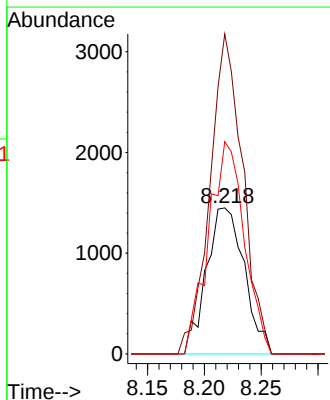
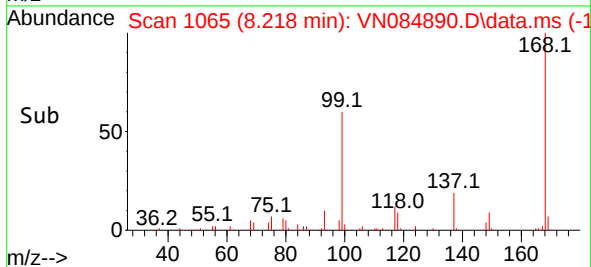
Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

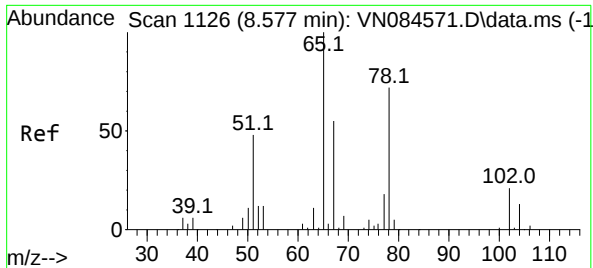


#31
Cyclohexane
Concen: 1.073 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12



Tgt Ion: 56 Resp: 3360
Ion Ratio Lower Upper
56 100
69 219.0 23.8 35.6#
84 145.3 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.094 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

Instrument :

MSVOA_N

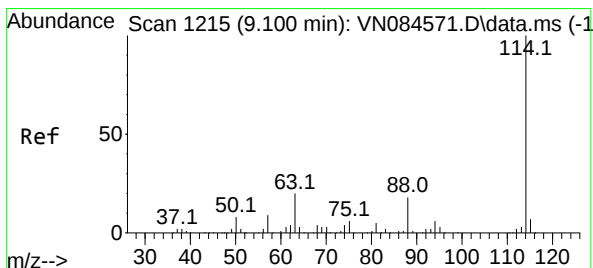
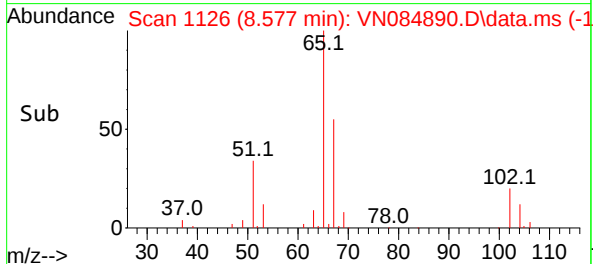
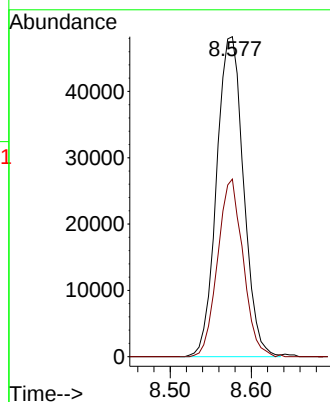
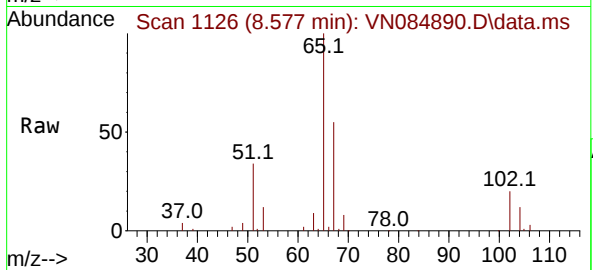
ClientSampleId :

Tgt Ion: 65 Resp: 111405

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

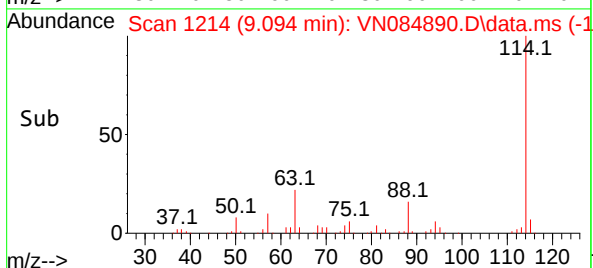
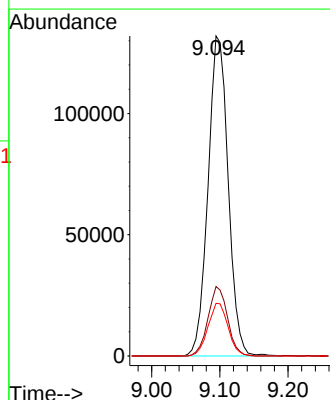
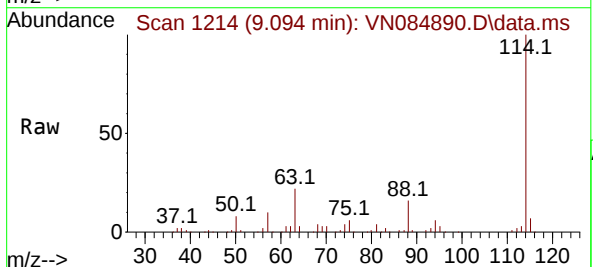
Tgt Ion: 114 Resp: 271317

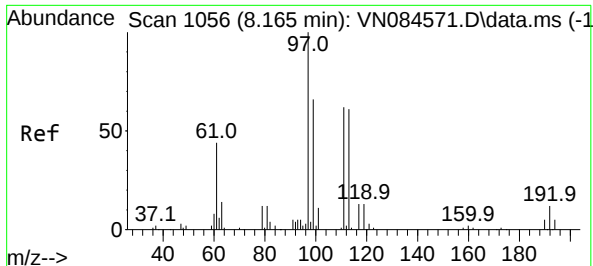
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.504 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

Instrument :

MSVOA_N

ClientSampleId :

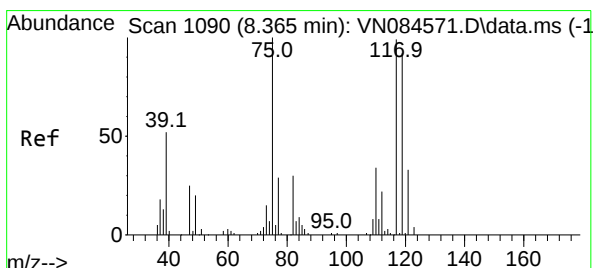
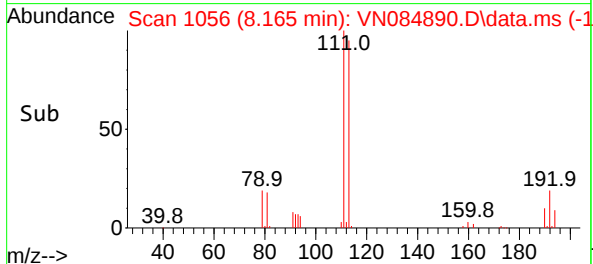
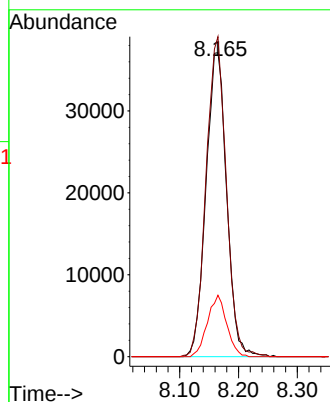
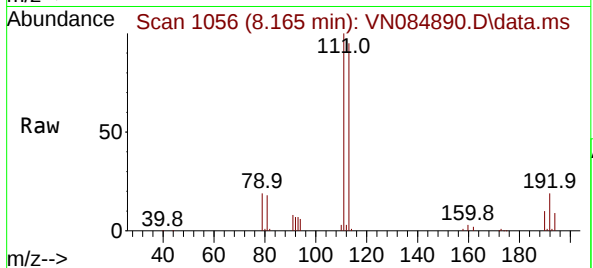
Tgt Ion:113 Resp: 90914

Ion Ratio Lower Upper

113 100

111 102.4 83.3 124.9

192 18.8 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.759 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

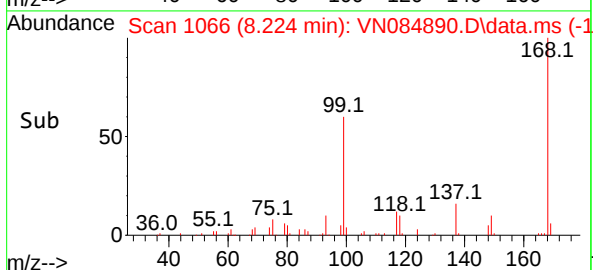
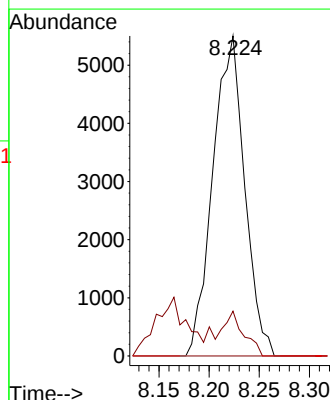
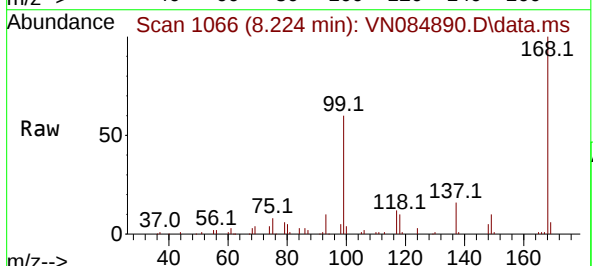
Tgt Ion: 75 Resp: 12120

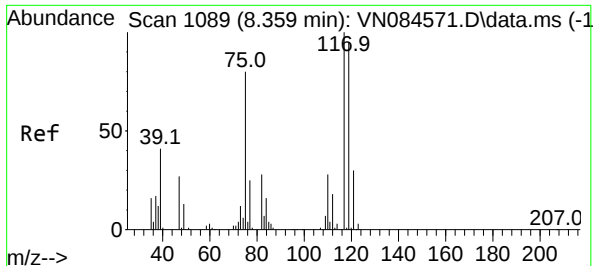
Ion Ratio Lower Upper

75 100

110 11.3 16.9 50.7#

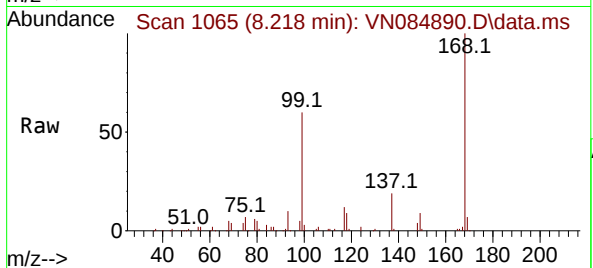
77 0.0 24.7 37.1#



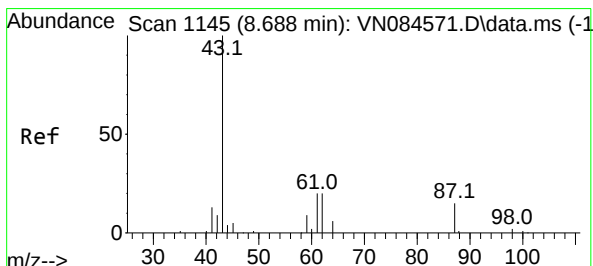
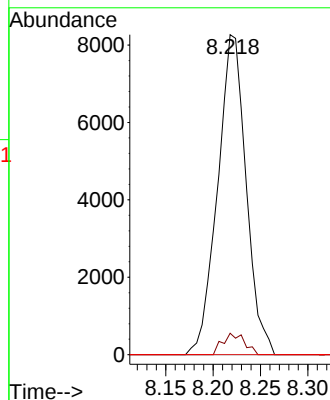
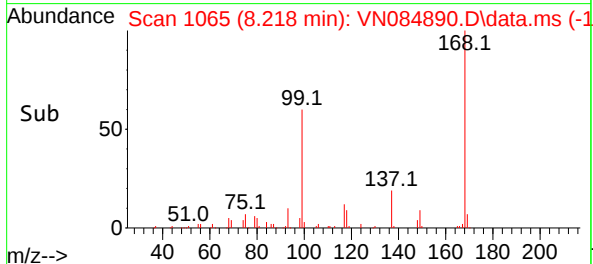


#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 8.218 min Scan# 1134
Delta R.T. -0.141 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Instrument :
MSVOA_N
ClientSampleId :

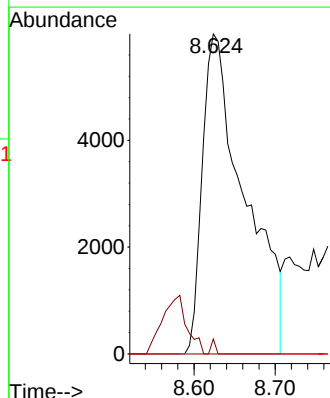
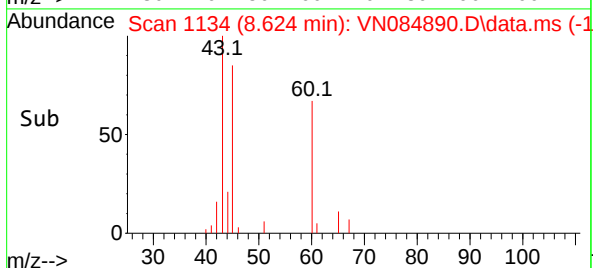
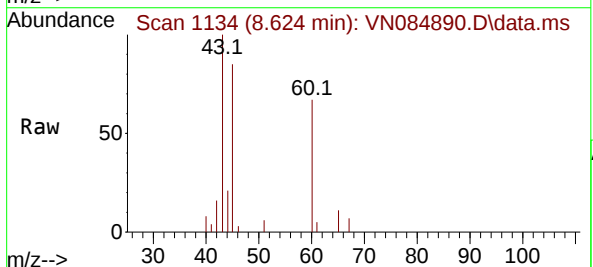


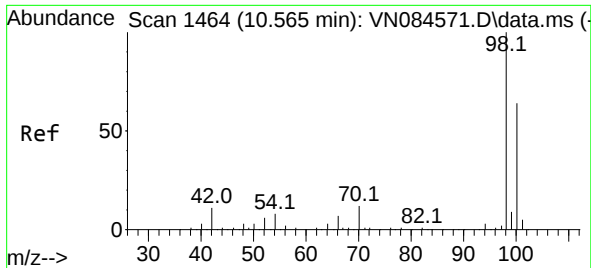
Tgt Ion:117 Resp: 17326
Ion Ratio Lower Upper
117 100
119 6.7 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 4.197 ug/l
RT: 8.624 min Scan# 1134
Delta R.T. -0.064 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion: 43 Resp: 21694
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 10.3 15.5#

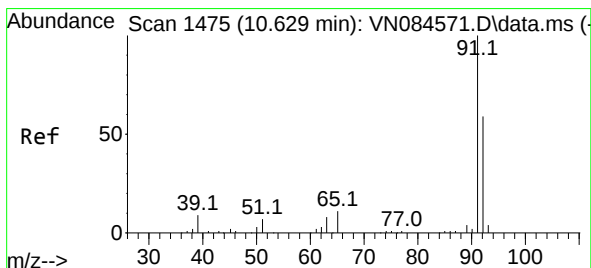
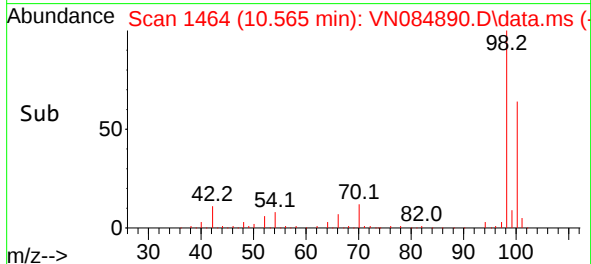
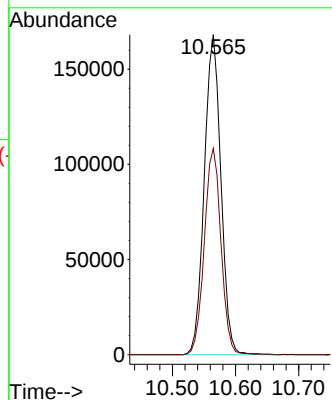
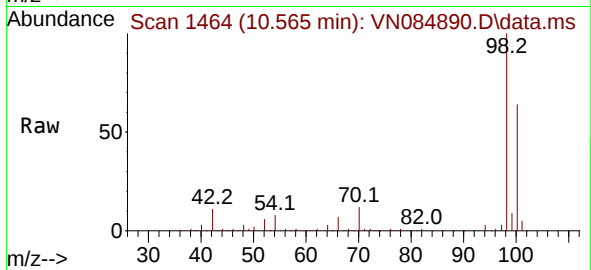




#50
Toluene-d8
Concen: 45.455 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

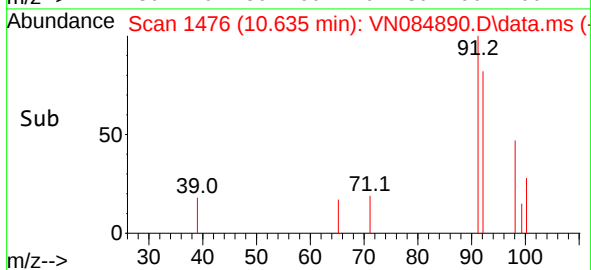
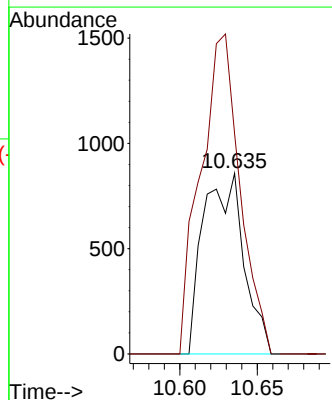
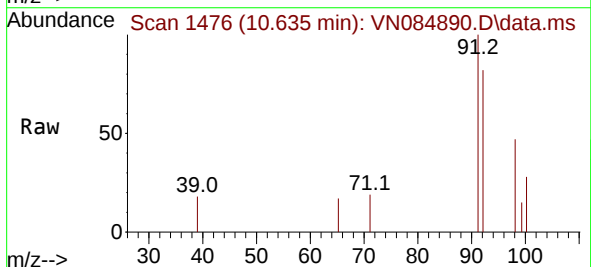
Instrument :
MSVOA_N
ClientSampleId :

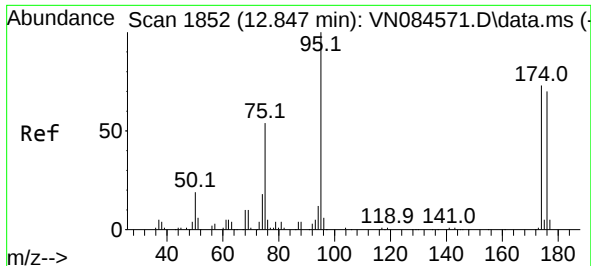
Tgt Ion: 98 Resp: 307503
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#52
Toluene
Concen: 0.324 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion: 92 Resp: 1552
Ion Ratio Lower Upper
92 100
91 173.5 137.3 205.9





#62

4-Bromofluorobenzene

Concen: 48.337 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

Instrument :

MSVOA_N

ClientSampleId :

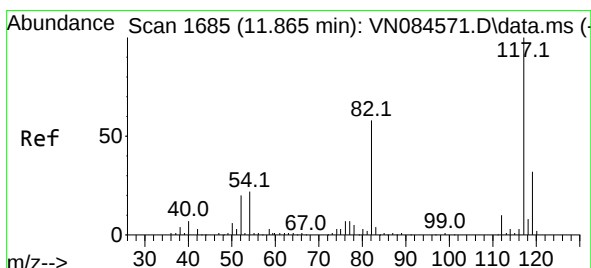
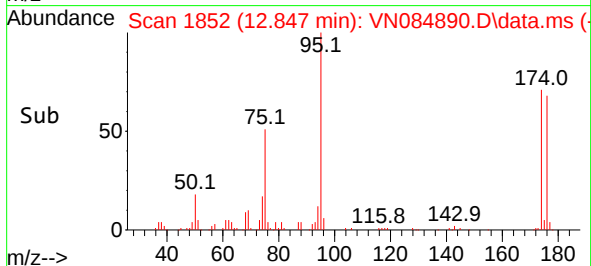
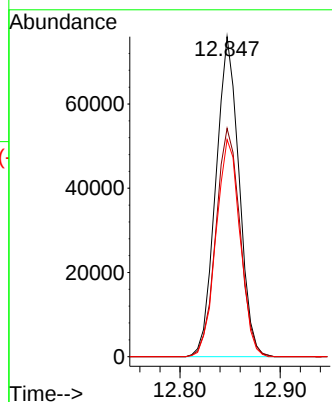
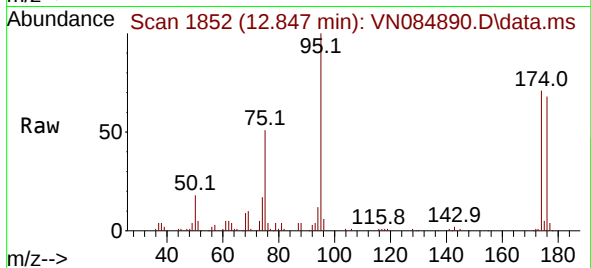
Tgt Ion: 95 Resp: 122212

Ion Ratio Lower Upper

95 100

174 74.4 0.0 145.2

176 70.3 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: VN084890.D

Acq: 17 Nov 2024 13:12

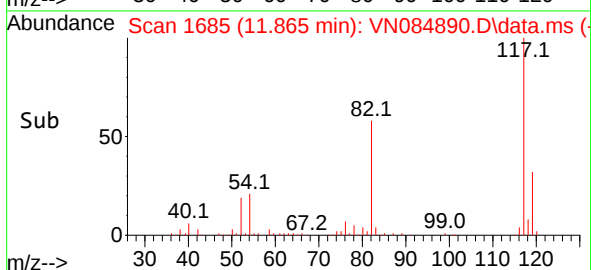
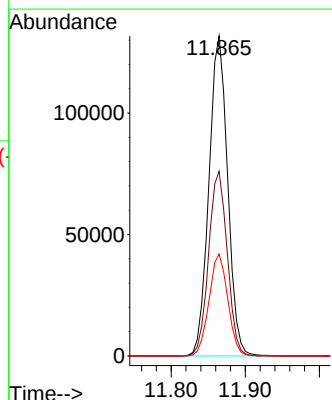
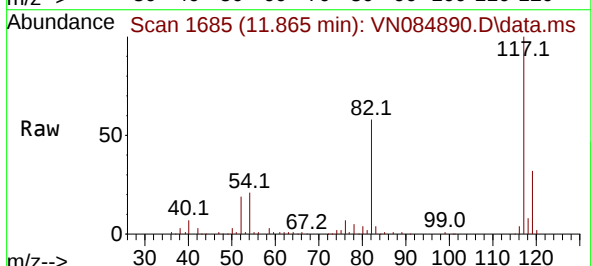
Tgt Ion: 117 Resp: 231114

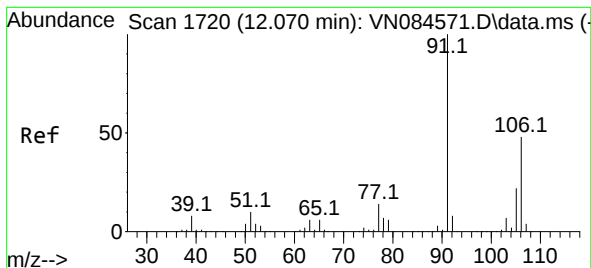
Ion Ratio Lower Upper

117 100

82 57.7 47.2 70.8

119 31.8 25.4 38.0

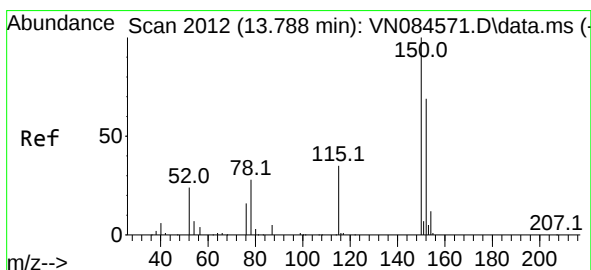
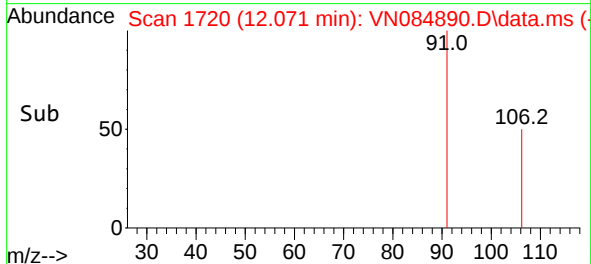
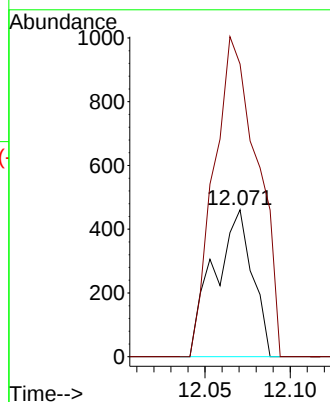
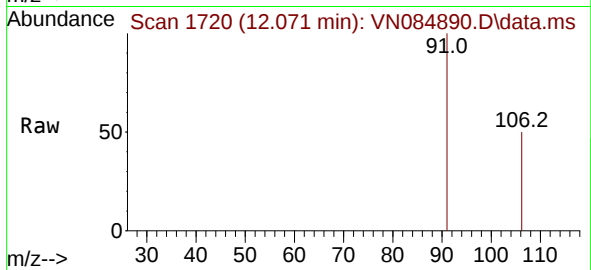




#68
m/p-Xylenes
Concen: 0.220 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

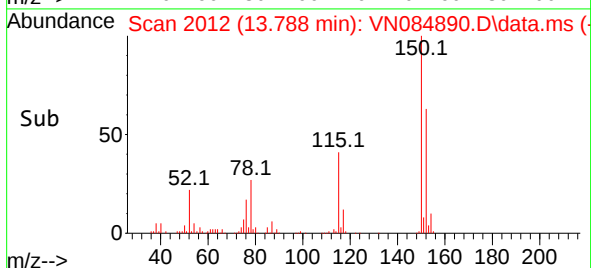
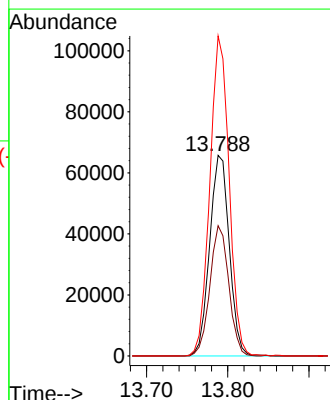
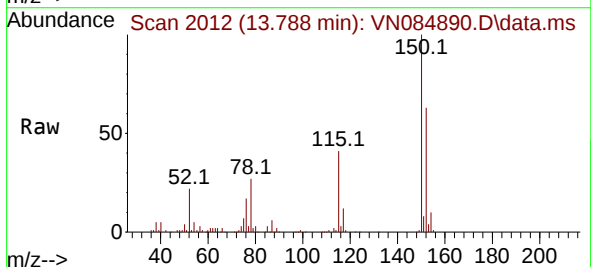
Instrument :
MSVOA_N
ClientSampleId :

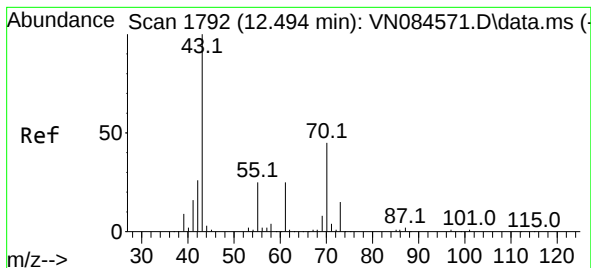
Tgt Ion:106 Resp: 720
Ion Ratio Lower Upper
106 100
91 248.3 167.1 250.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

Tgt Ion:152 Resp: 110441
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.9
150 156.1 0.0 349.8





#74

N-amy1 acetate

Concen: 0.238 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.029 min

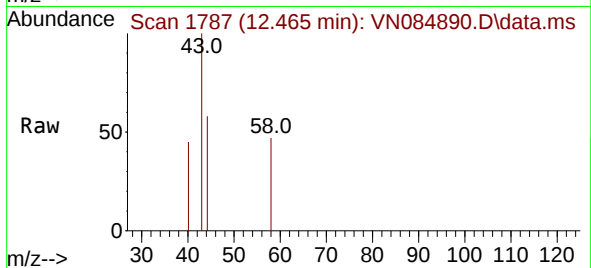
Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 783

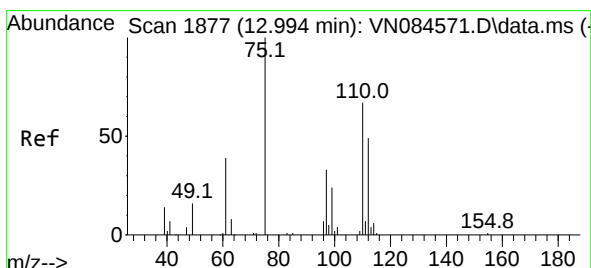
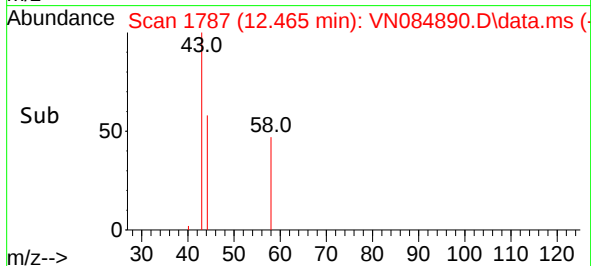
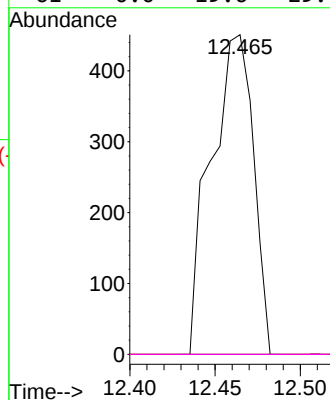
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.713 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084890.D

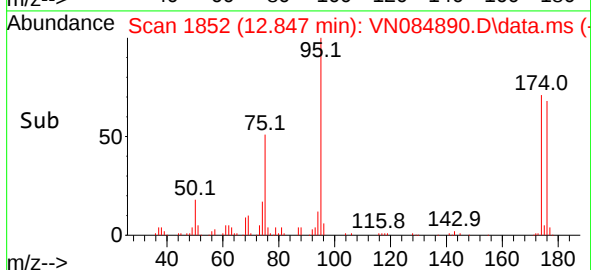
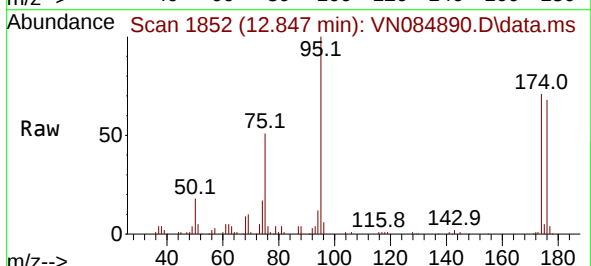
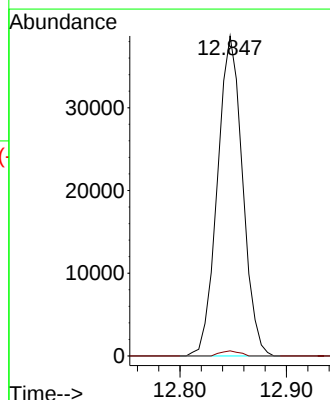
Acq: 17 Nov 2024 13:12

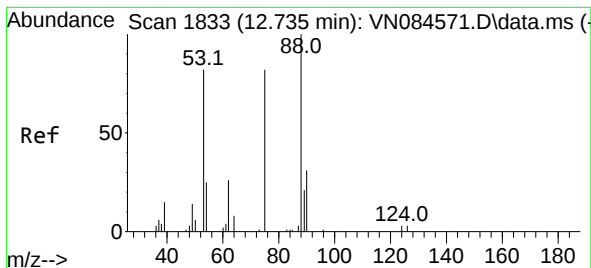
Tgt Ion: 75 Resp: 63388

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#

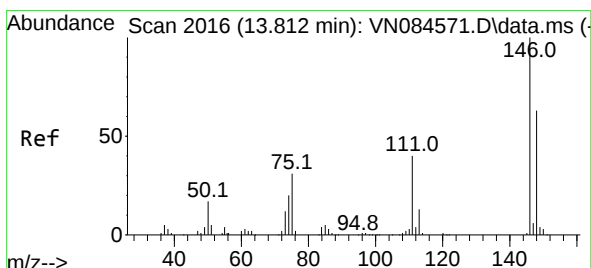
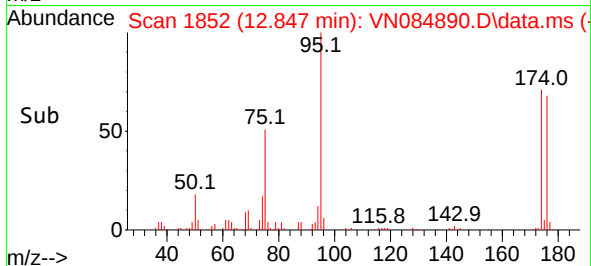
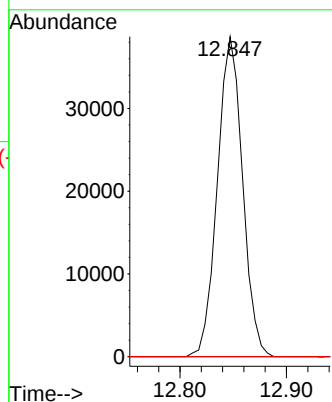
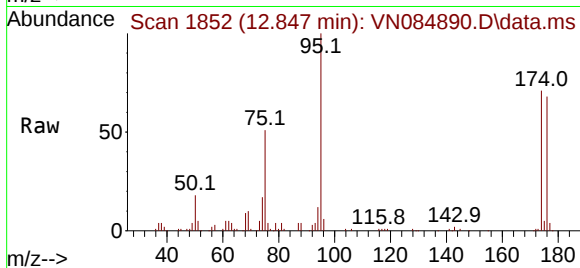




#81
trans-1,4-Dichloro-2-butene
Concen: 68.118 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

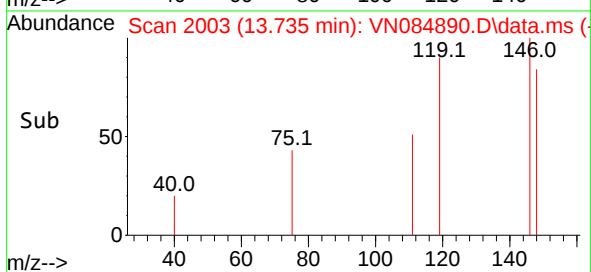
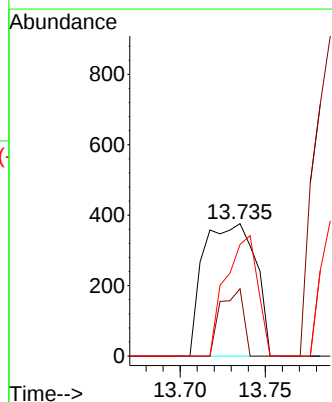
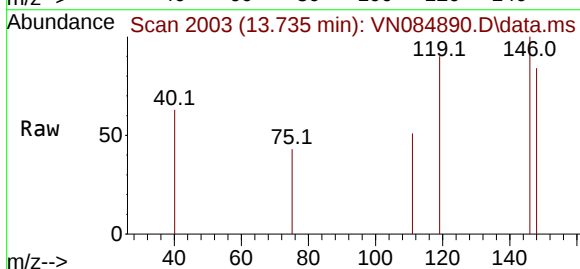
Instrument :
MSVOA_N
ClientSampleId :

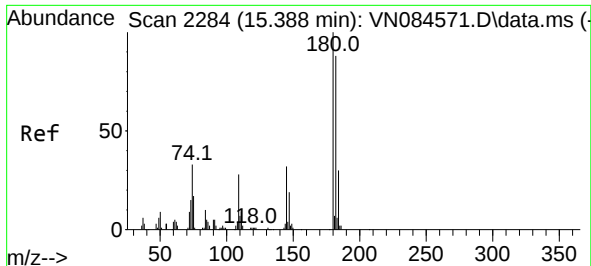
Tgt Ion: 75 Resp: 63388
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2003
Delta R.T. -0.077 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

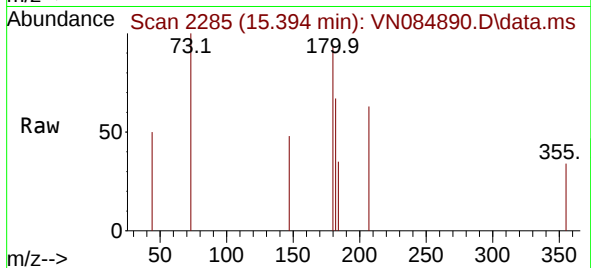
Tgt Ion:146 Resp: 797
Ion Ratio Lower Upper
146 100
111 22.2 21.2 63.6
148 55.8 31.9 95.9



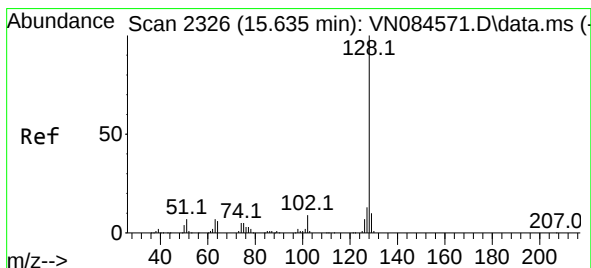
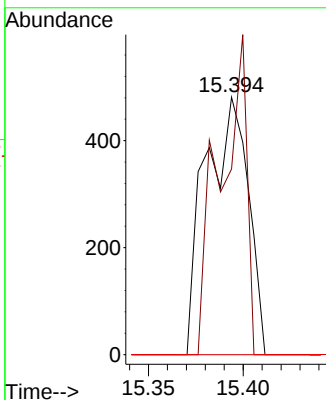
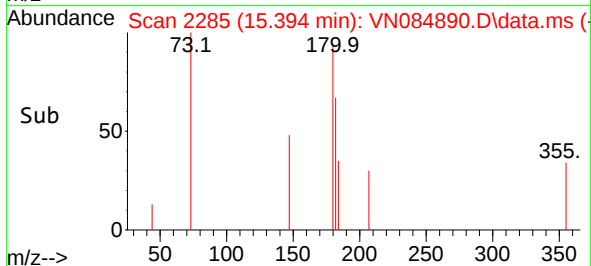


#93
1,2,4-Trichlorobenzene
Concen: 0.354 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12

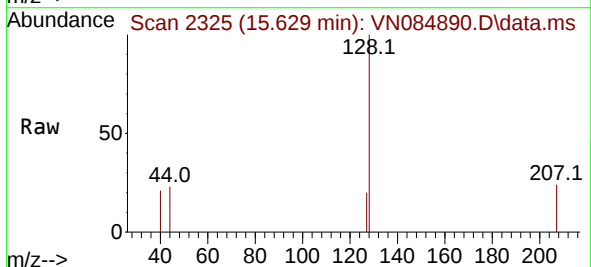
Instrument :
MSVOA_N
ClientSampleId :



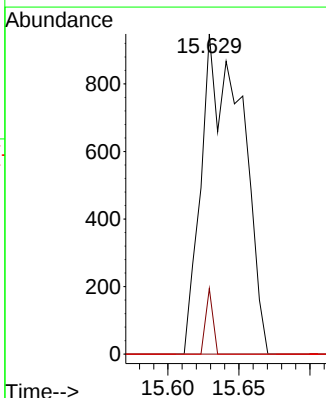
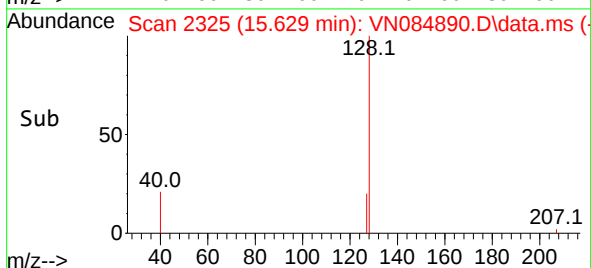
Tgt Ion:180 Resp: 755
Ion Ratio Lower Upper
180 100
182 77.1 47.0 141.0
145 0.0 16.4 49.4#

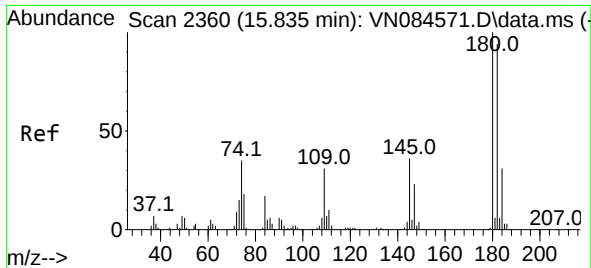


#95
Naphthalene
Concen: 0.297 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.006 min
Lab File: VN084890.D
Acq: 17 Nov 2024 13:12



Tgt Ion:128 Resp: 1899
Ion Ratio Lower Upper
128 100
127 3.6 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.292 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

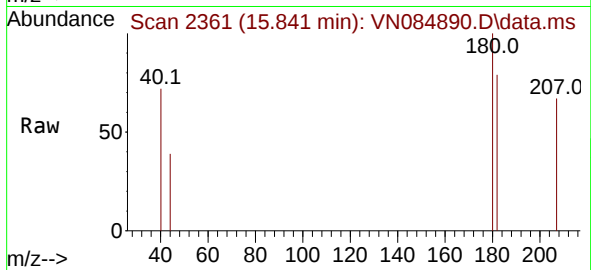
Lab File: VN084890.D

Acq: 17 Nov 2024 13:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 606

Ion Ratio Lower Upper

180 100

182 91.1 48.2 144.6

145 0.0 17.3 51.9#

