

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084817.D
 Acq On : 13 Nov 2024 10:50
 Operator : JC\MD
 Sample : VN1113WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:30:36 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)

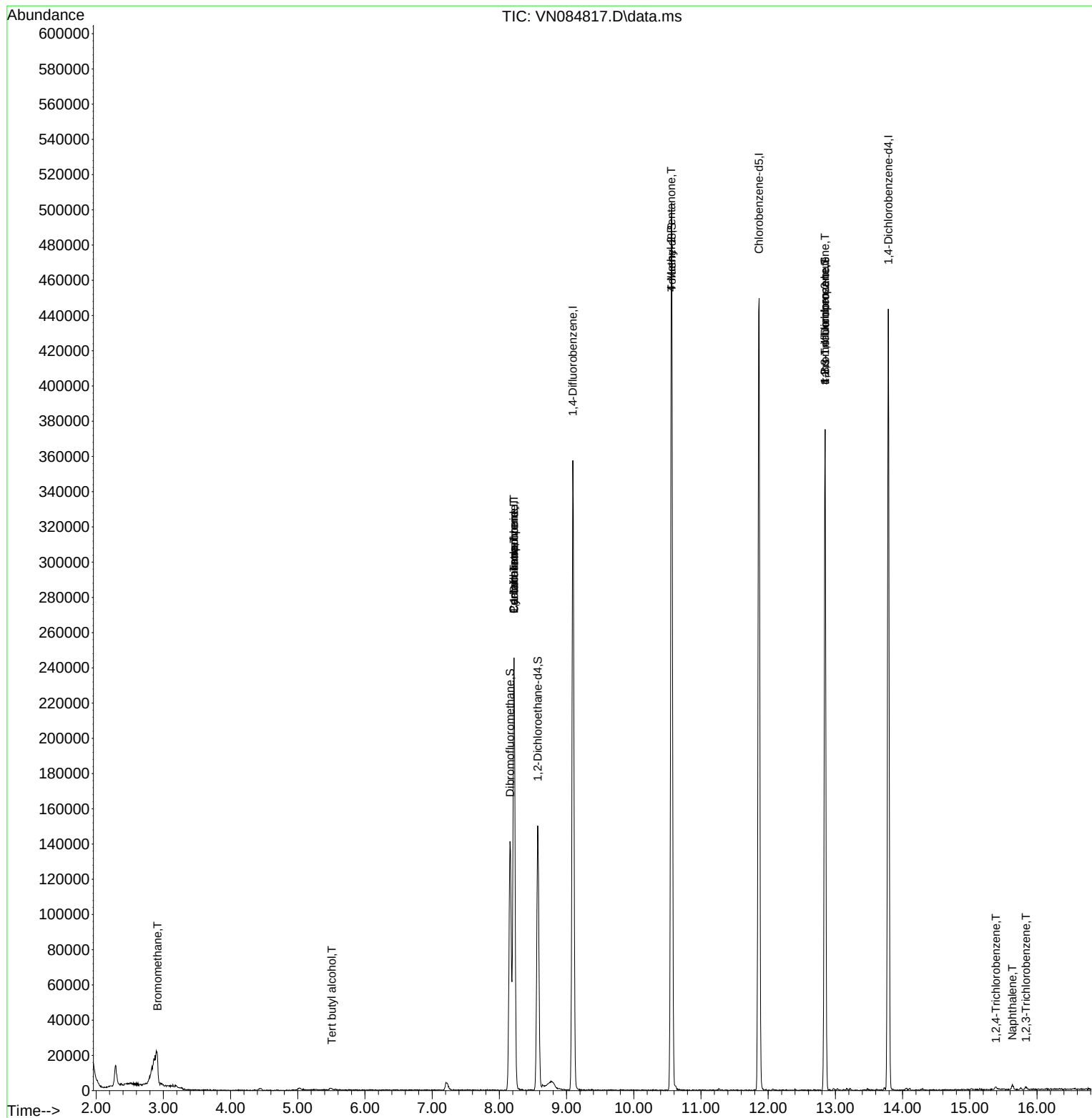
Internal Standards						
1) Pentafluorobenzene	8.218	168	177026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	303081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126582	49.507	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.020%	
35) Dibromofluoromethane	8.159	113	102487	49.957	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.920%	
50) Toluene-d8	10.565	98	352443	46.638	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	93.280%	
62) 4-Bromofluorobenzene	12.847	95	129442	45.831	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	91.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	728	Below Cal	#	41
5) Bromomethane	2.912	94	444	0.383	ug/l #	65
6) Chloroethane	3.142	64	348	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	319	0.945	ug/l #	73
18) Methyl Acetate	5.024	43	2234	Below Cal	#	74
31) Cyclohexane	8.218	56	3960	1.122	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14341	5.040	ug/l #	52
38) Carbon Tetrachloride	8.218	117	18806	5.914	ug/l #	15
43) Isopropyl Acetate	8.641	43	1843	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.559	43	1402	0.570	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68207	29.524	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68207	70.042	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	717	Below Cal		79
93) 1,2,4-Trichlorobenzene	15.388	180	1015	0.454	ug/l #	81
95) Naphthalene	15.635	128	3088	0.462	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	920	0.424	ug/l #	81

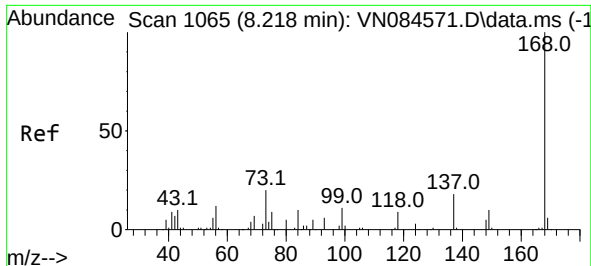
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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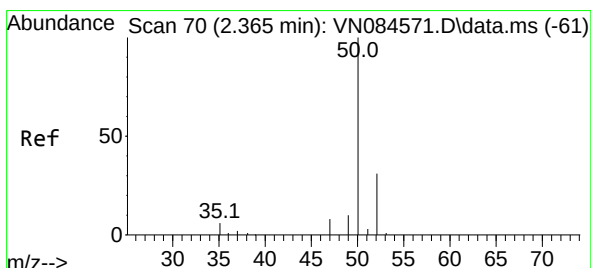
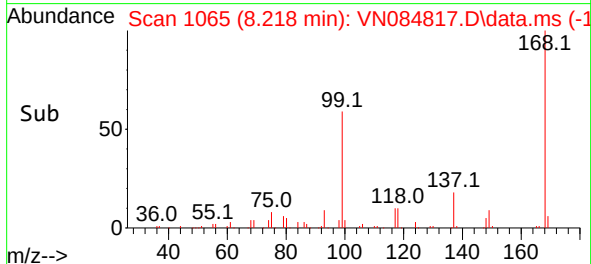
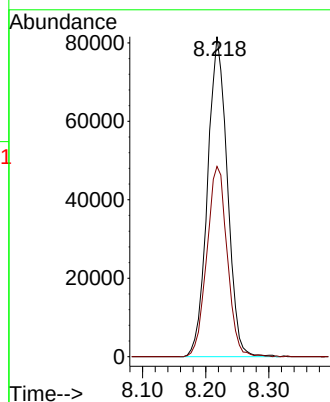
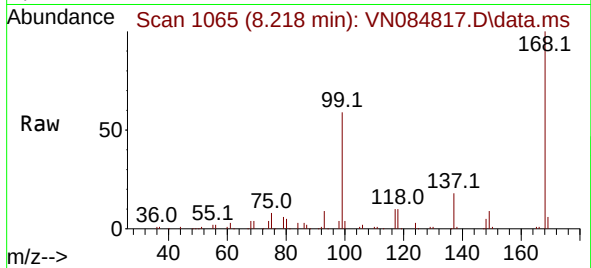




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

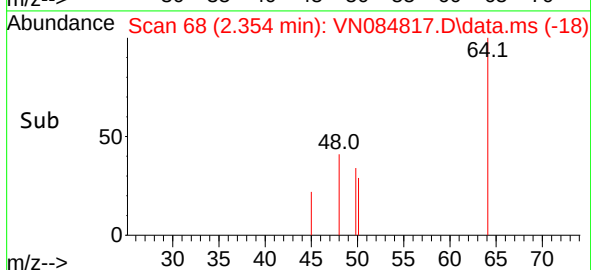
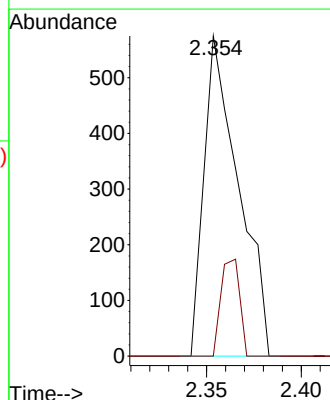
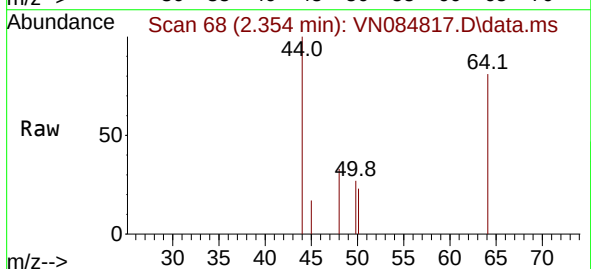
Instrument :
MSVOA_N
ClientSampleId :

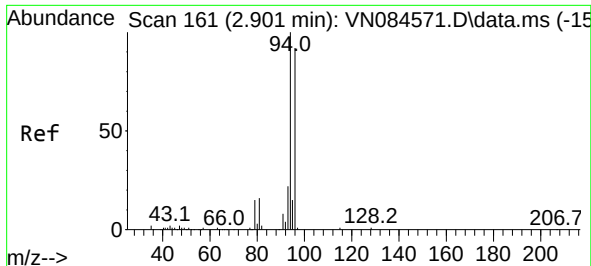
Tgt Ion:168 Resp: 177026
Ion Ratio Lower Upper
168 100
99 59.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

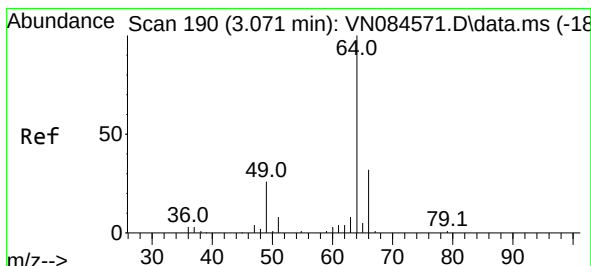
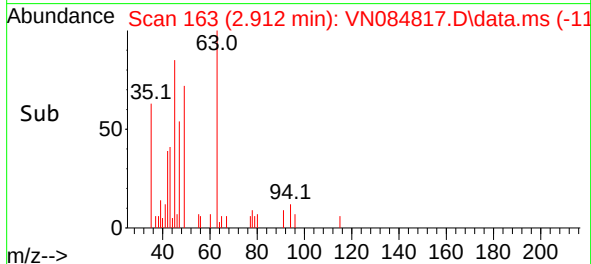
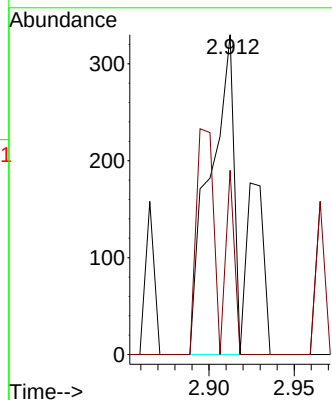
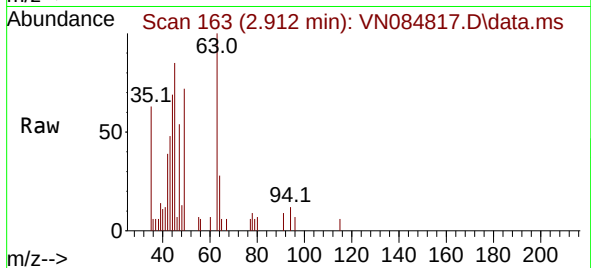




#5
Bromomethane
Concen: 0.383 ug/l
RT: 2.912 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

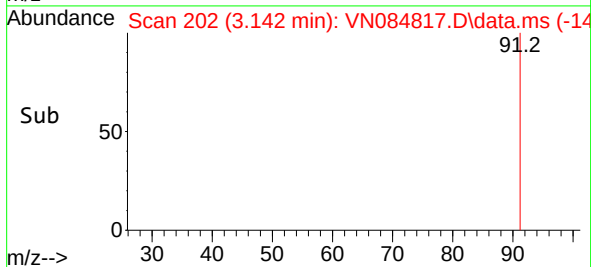
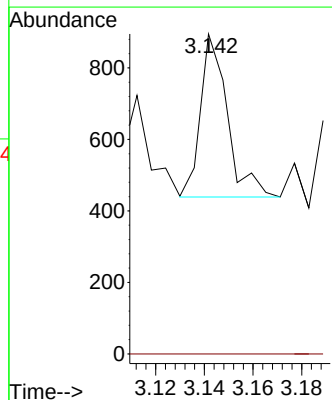
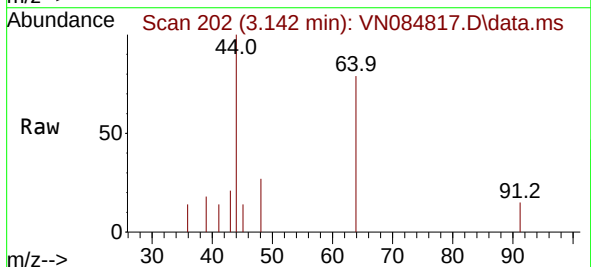
Instrument :
MSVOA_N
ClientSampleId :

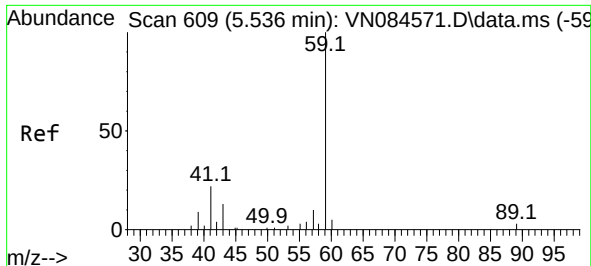
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 57.6 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

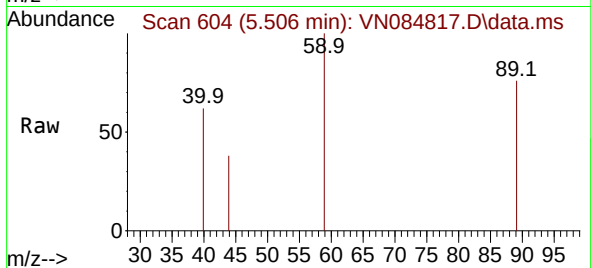
Tgt Ion: 64 Resp: 348
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



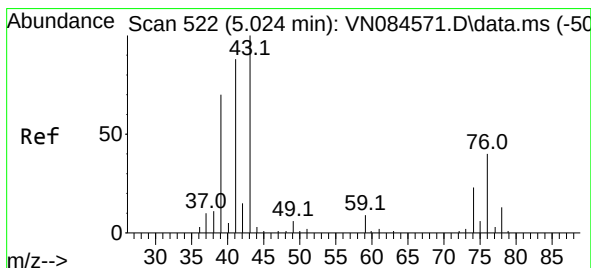
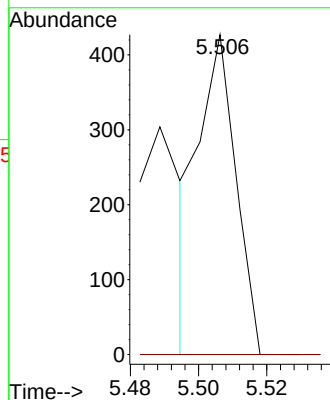
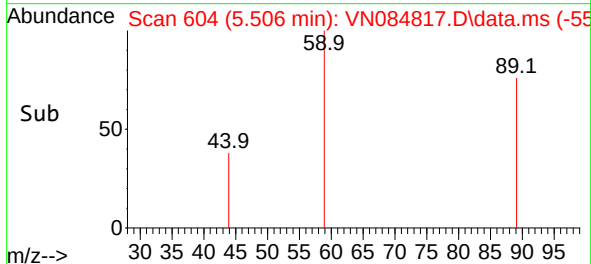


#11
Tert butyl alcohol
Concen: 0.945 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

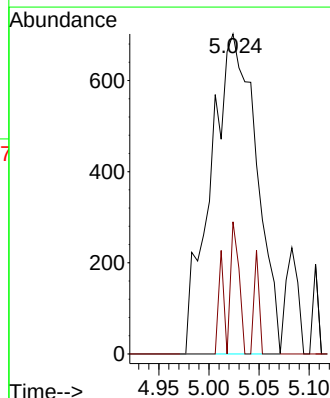
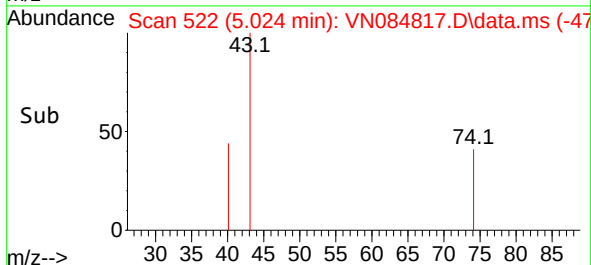
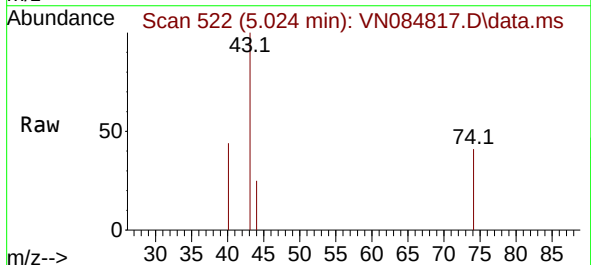


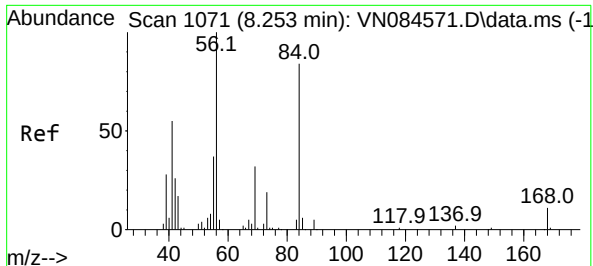
Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
74 11.1 19.2 28.8#





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

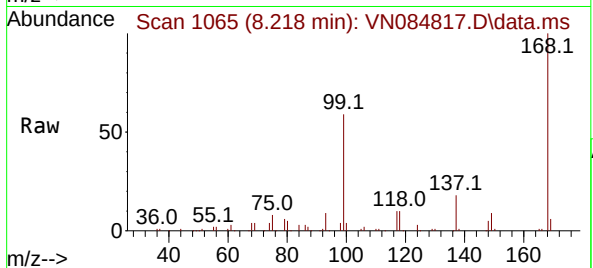
Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

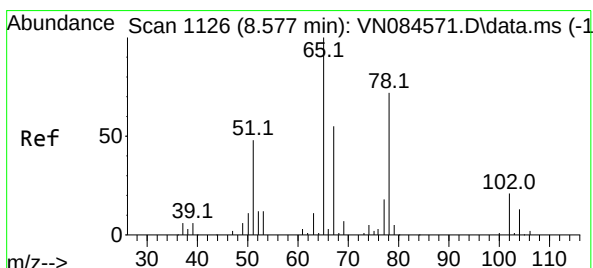
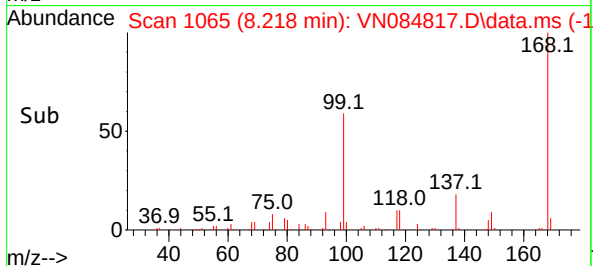
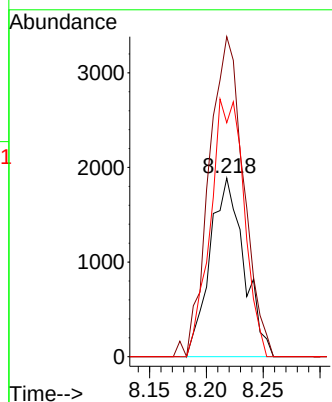
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3960
Ion Ratio	Lower	Upper	
56	100		
69	179.2	23.8	35.6#
84	131.1	68.8	103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.507 ug/l

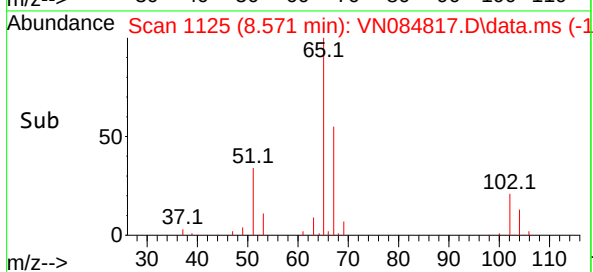
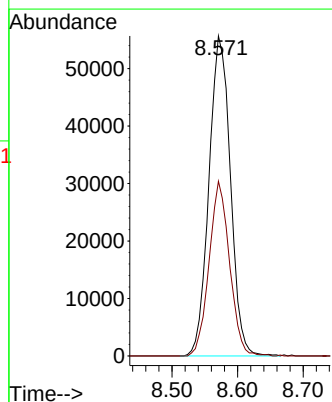
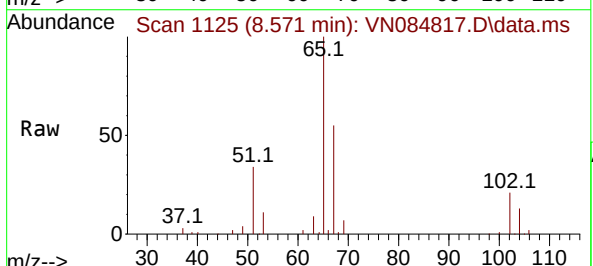
RT: 8.571 min Scan# 1125

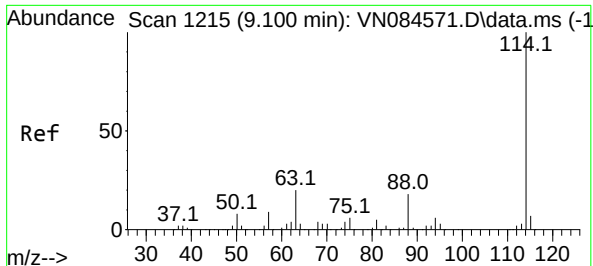
Delta R.T. -0.006 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

Tgt Ion:	65	Resp:	126582
Ion Ratio	Lower	Upper	
65	100		
67	52.1	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: VN084817.D

Acq: 13 Nov 2024 10:50

Instrument :

MSVOA_N

ClientSampleId :

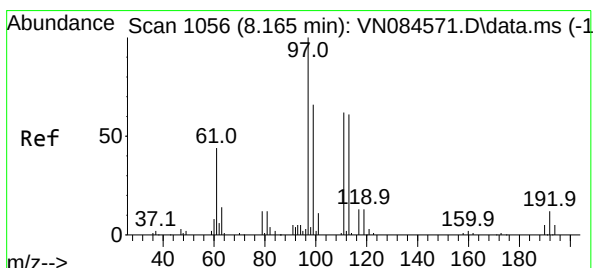
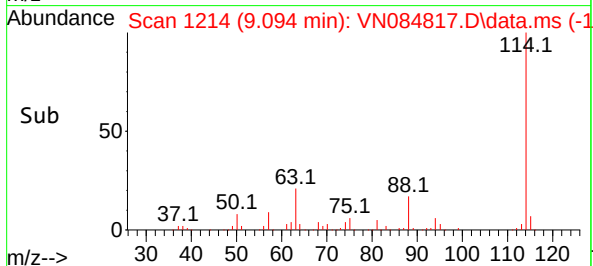
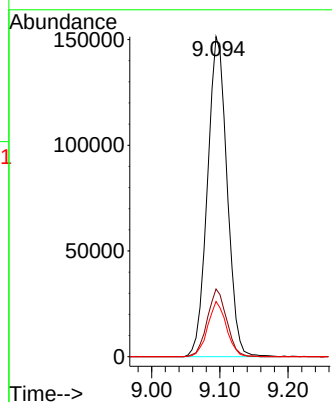
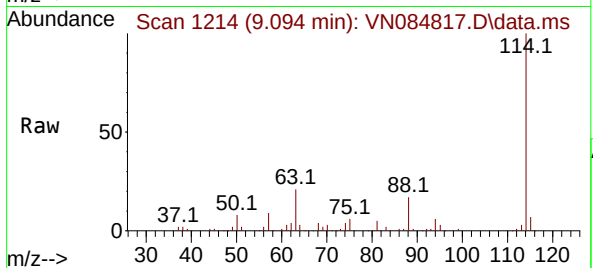
Tgt Ion:114 Resp: 303081

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 17.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.957 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

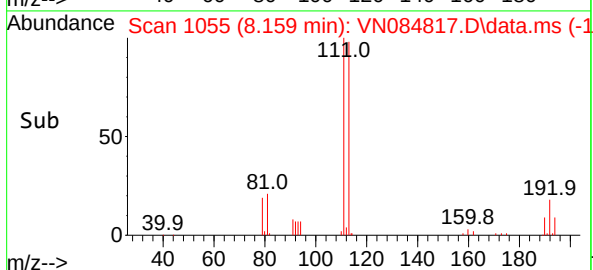
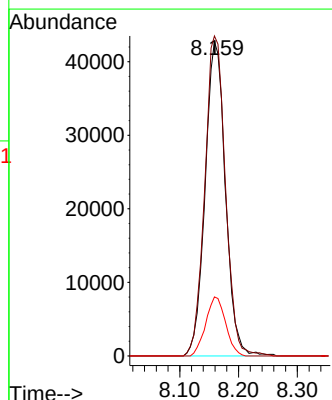
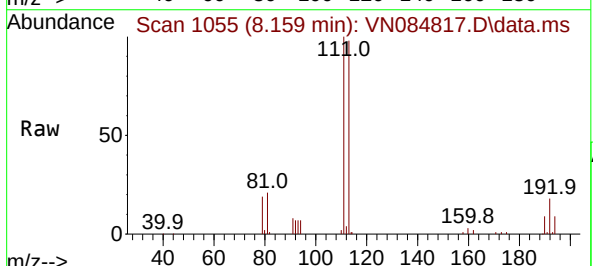
Tgt Ion:113 Resp: 102487

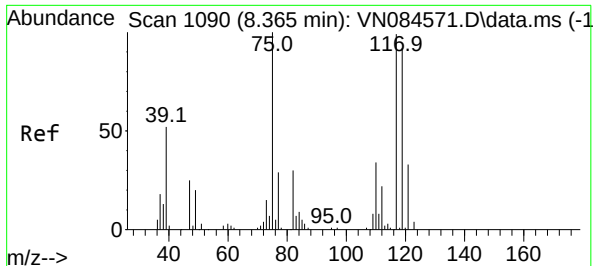
Ion Ratio Lower Upper

113 100

111 103.6 83.3 124.9

192 18.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

Instrument :

MSVOA_N

ClientSampleId :

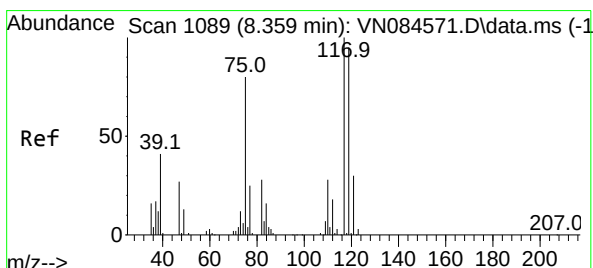
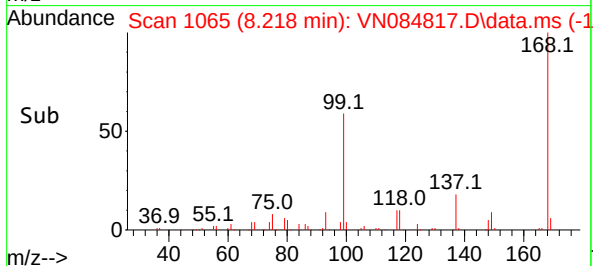
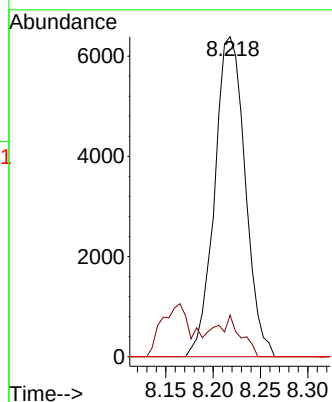
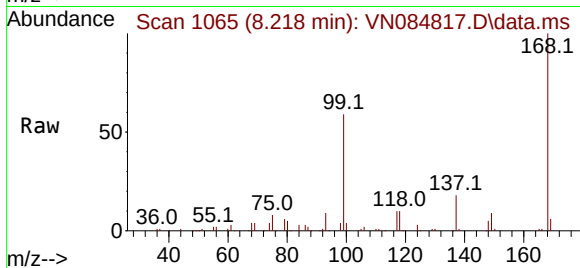
Tgt Ion: 75 Resp: 14341

Ion Ratio Lower Upper

75 100

110 11.2 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.914 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

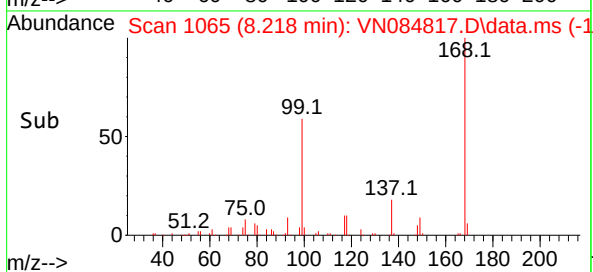
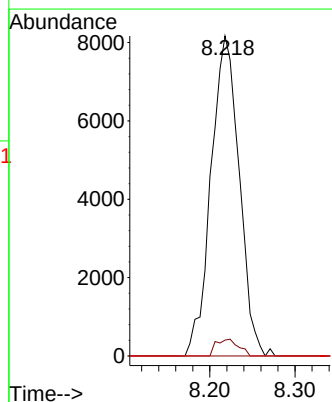
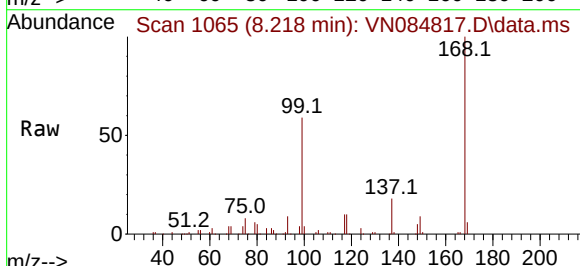
Tgt Ion: 117 Resp: 18806

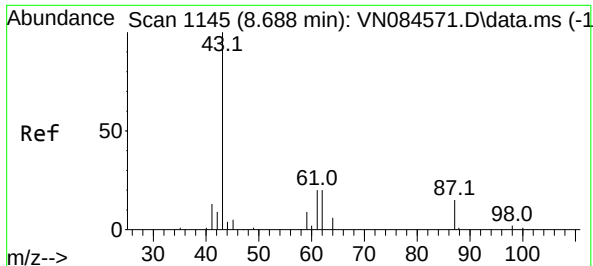
Ion Ratio Lower Upper

117 100

119 4.9 78.7 118.1#

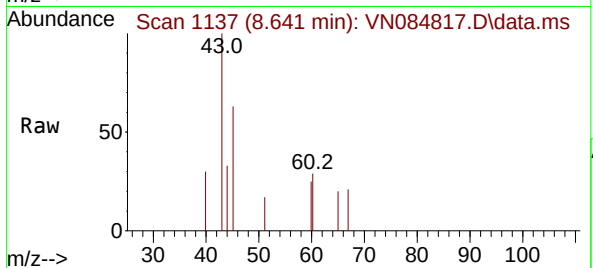
121 0.0 24.4 36.6#



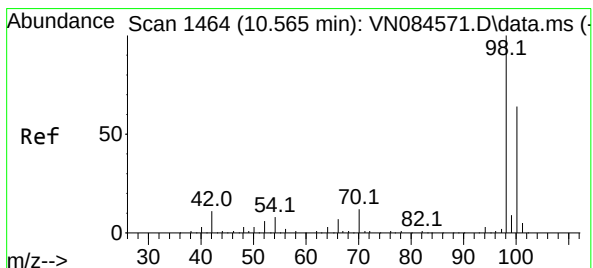
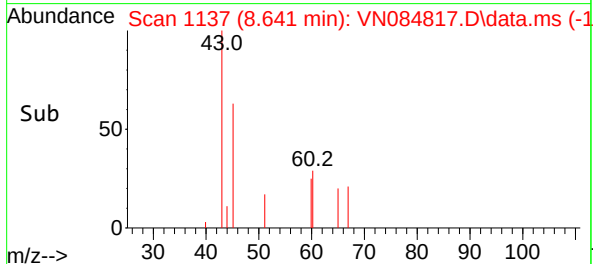
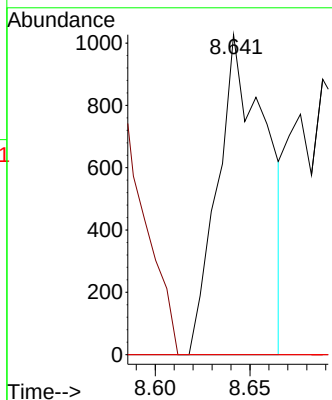


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.641 min Scan# 1145
Delta R.T. -0.047 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

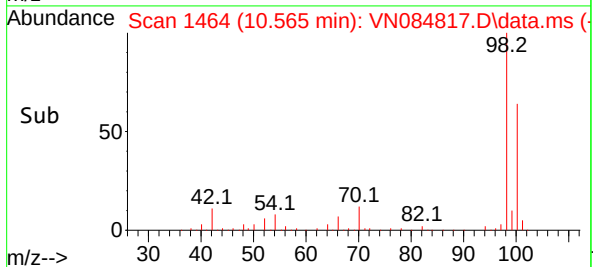
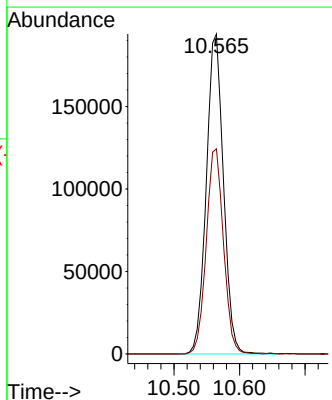
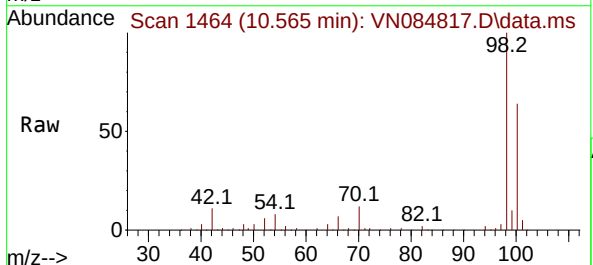


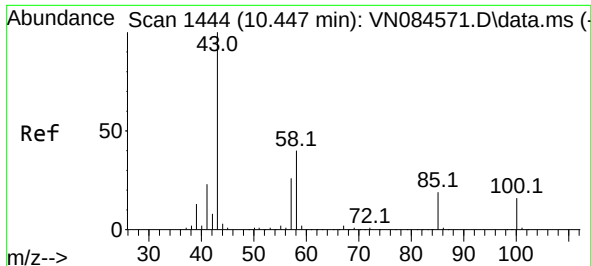
Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#50
Toluene-d8
Concen: 46.638 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 98 Resp: 352443
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1

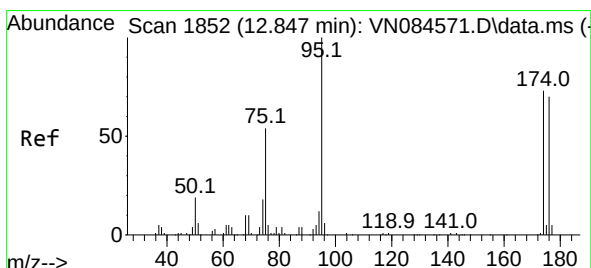
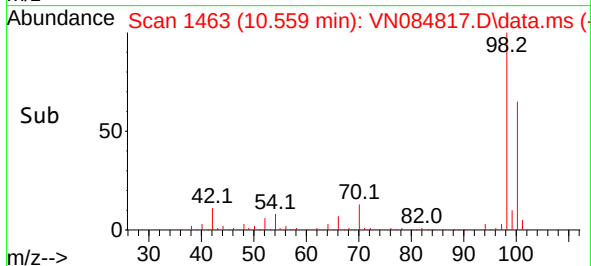
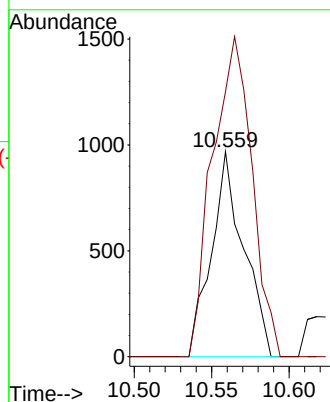
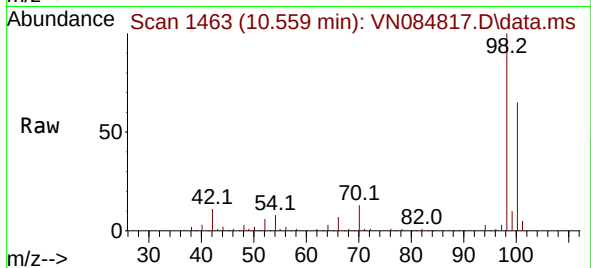




#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

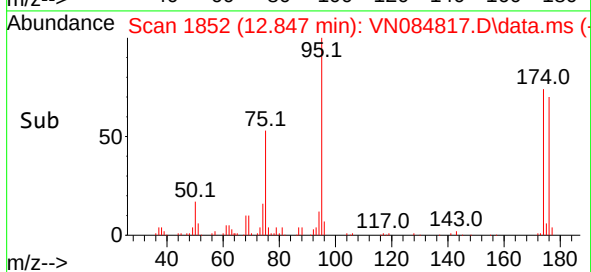
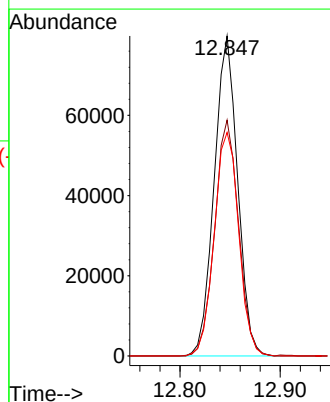
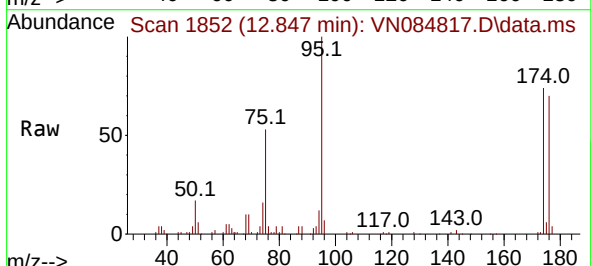
Instrument :
MSVOA_N
ClientSampleId :

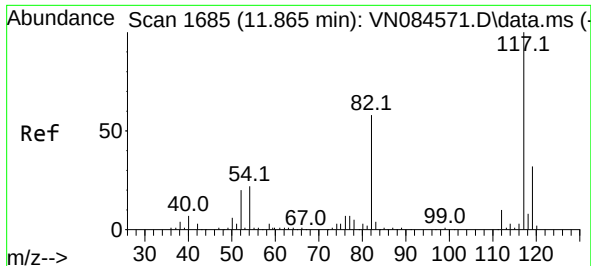
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 191.1 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 45.831 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 95 Resp: 129442
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.2
176 73.1 0.0 140.0

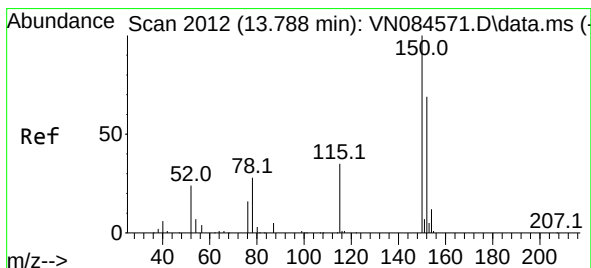
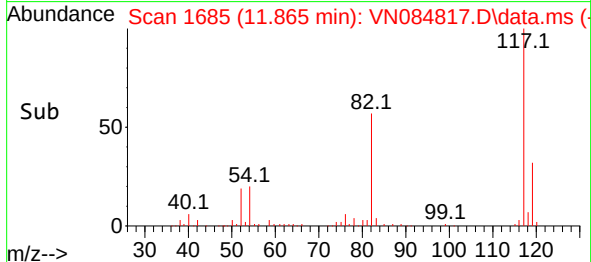
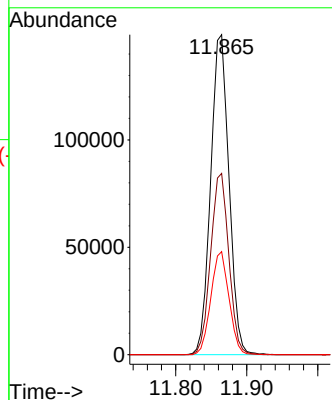
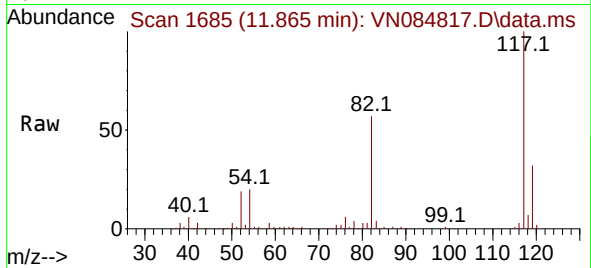




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

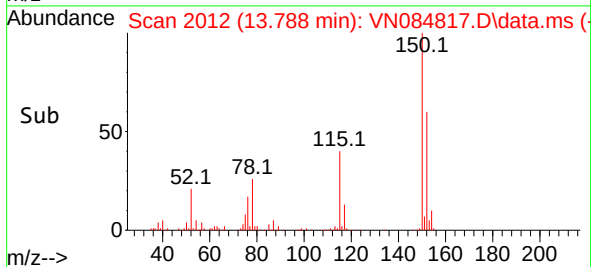
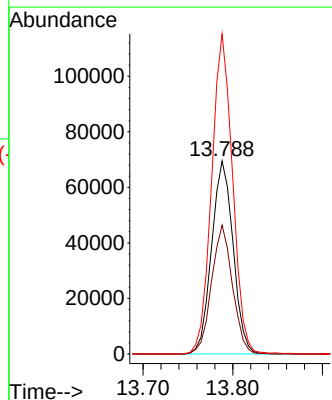
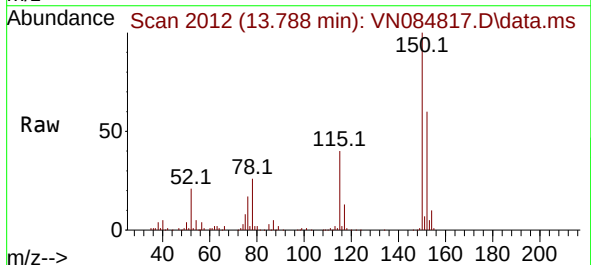
Instrument :
MSVOA_N
ClientSampleId :

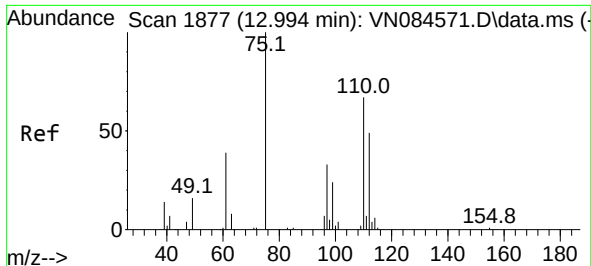
Tgt Ion:117 Resp: 266497
Ion Ratio Lower Upper
117 100
82 56.6 47.2 70.8
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:152 Resp: 115573
Ion Ratio Lower Upper
152 100
115 64.8 31.3 93.9
150 161.6 0.0 349.8

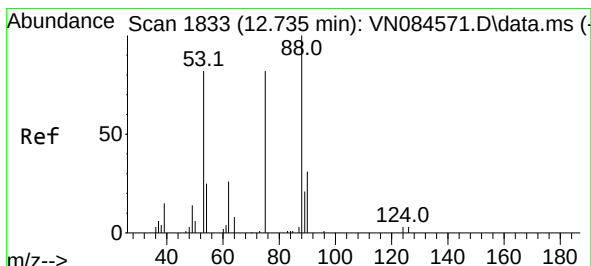
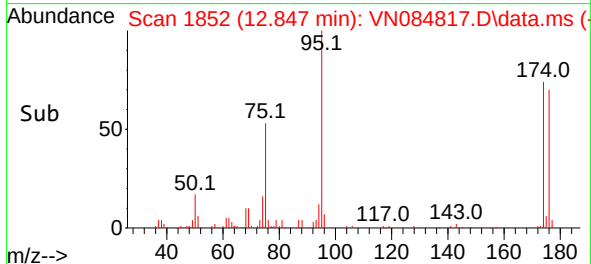
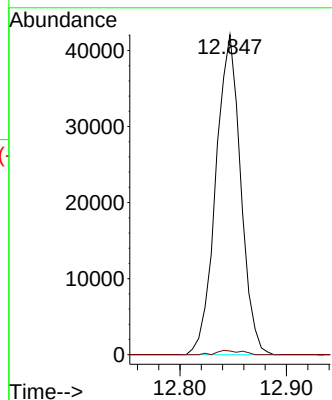
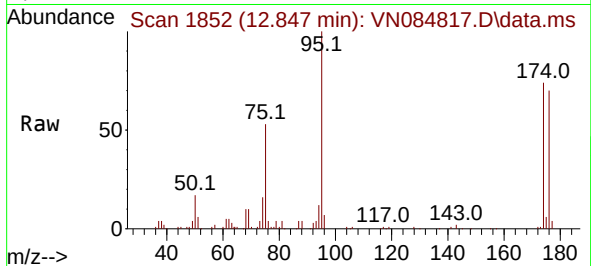




#76
1,2,3-Trichloropropane
Concen: 29.524 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

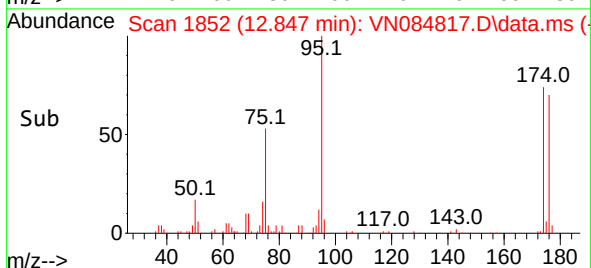
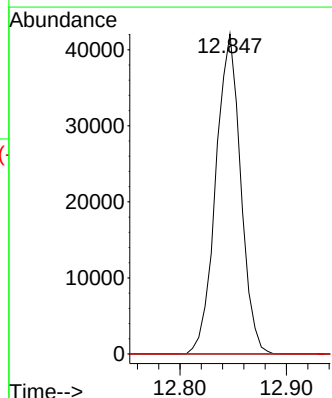
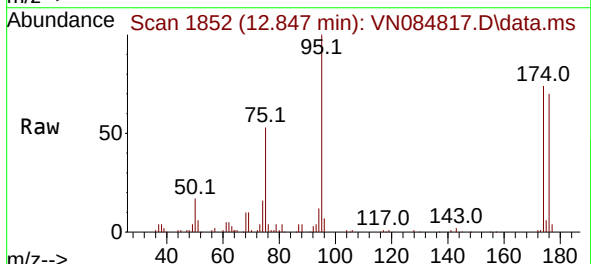
Instrument :
MSVOA_N
ClientSampleId :

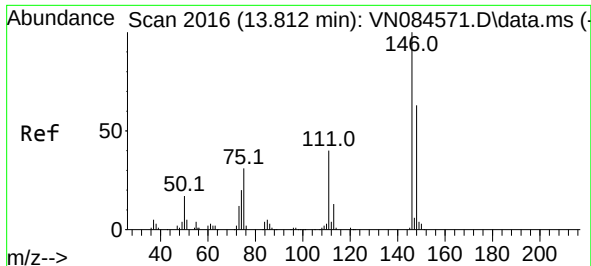
Tgt Ion: 75 Resp: 68207
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.042 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

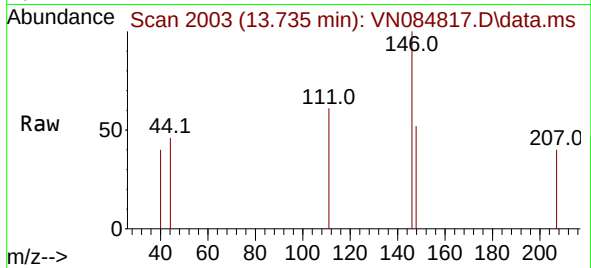
Tgt Ion: 75 Resp: 68207
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



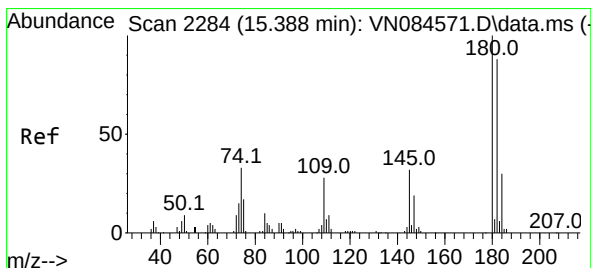
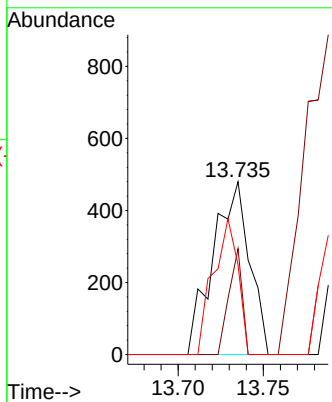
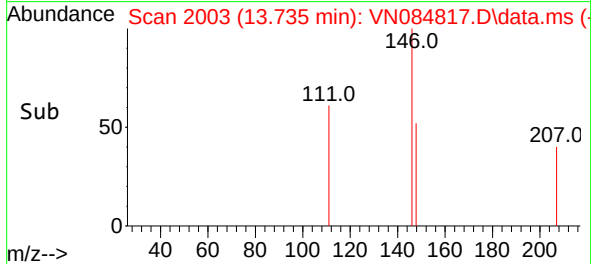


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

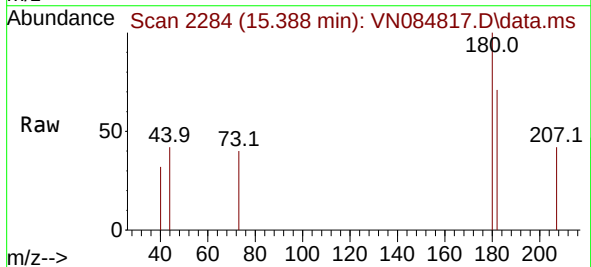
Instrument :
MSVOA_N
ClientSampleId :



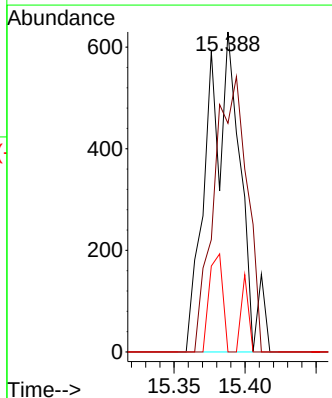
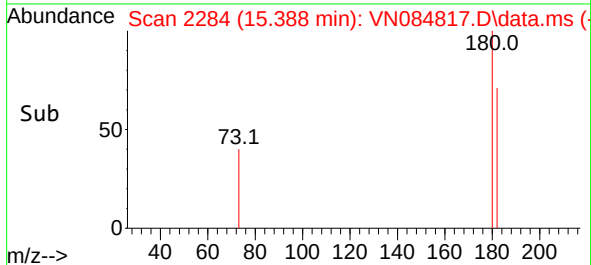
Tgt Ion:146 Resp: 717
Ion Ratio Lower Upper
146 100
111 22.0 21.2 63.6
148 52.9 31.9 95.9

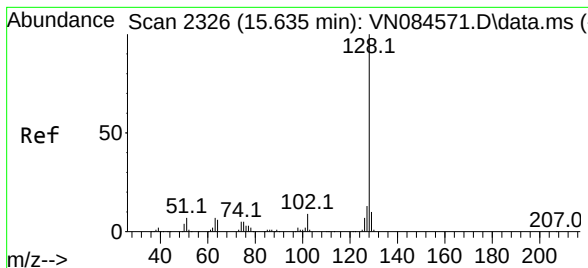


#93
1,2,4-Trichlorobenzene
Concen: 0.454 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50



Tgt Ion:180 Resp: 1015
Ion Ratio Lower Upper
180 100
182 86.1 47.0 141.0
145 5.3 16.4 49.4#

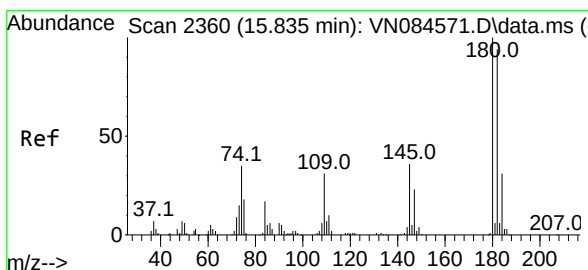
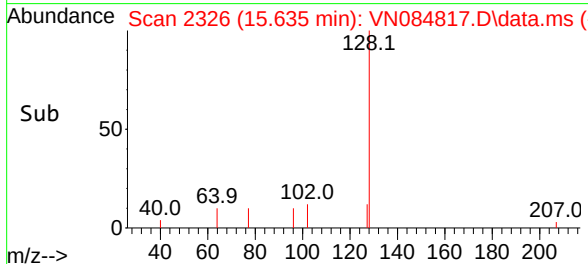
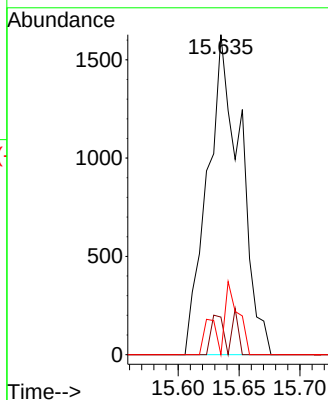
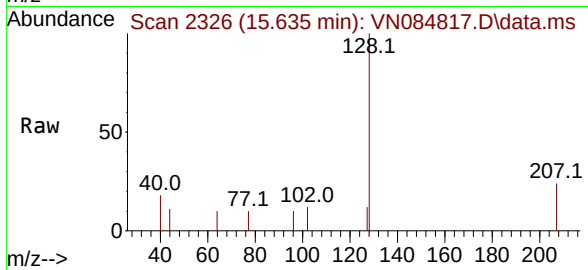




#95
Naphthalene
Concen: 0.462 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3088
Ion Ratio Lower Upper
128 100
127 4.5 10.5 15.7#
129 13.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.424 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:180 Resp: 920
Ion Ratio Lower Upper
180 100
182 88.2 48.2 144.6
145 5.8 17.3 51.9#

