

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084827.D
 Acq On : 13 Nov 2024 15:35
 Operator : JC\MD
 Sample : P4780-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:37:53 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)

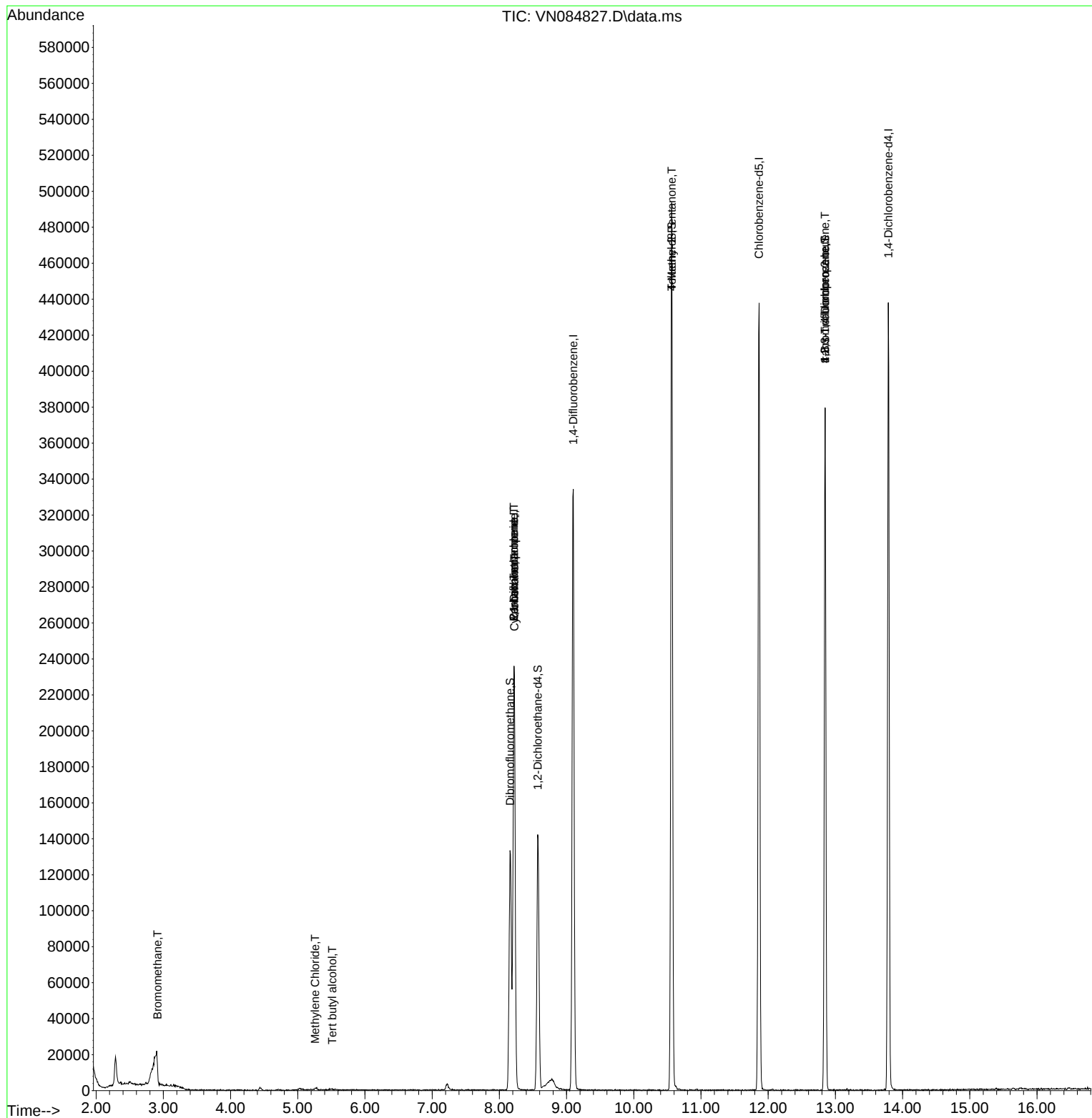
Internal Standards						
1) Pentafluorobenzene	8.218	168	170577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118000	47.895	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.800%
35) Dibromofluoromethane	8.159	113	98095	49.529	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.060%
50) Toluene-d8	10.565	98	337686	46.285	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.560%
62) 4-Bromofluorobenzene	12.847	95	131019	48.051	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1515	Below Cal	#	87
5) Bromomethane	2.912	94	347	0.311	ug/l #	4
6) Chloroethane	3.112	64	381	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	138	0.424	ug/l #	73
16) Acetone	4.441	43	486	Below Cal	#	44
18) Methyl Acetate	5.024	43	1976	Below Cal	#	60
20) Methylene Chloride	5.259	84	518	0.239	ug/l #	33
31) Cyclohexane	8.224	56	3736	1.098	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13452	4.897	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18602	6.059	ug/l #	15
43) Isopropyl Acetate	8.671	43	2179	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1535	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66911	28.295	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66911	67.127	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	456	Below Cal	#	24

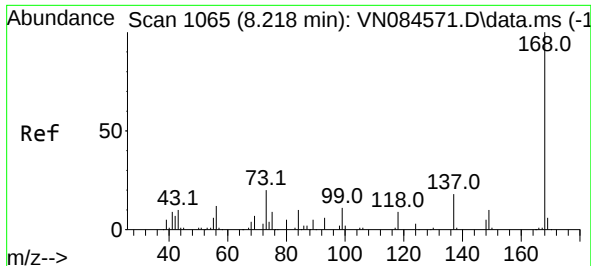
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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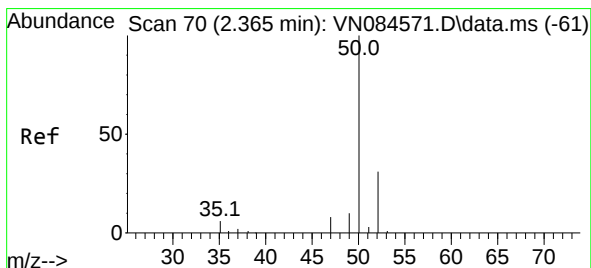
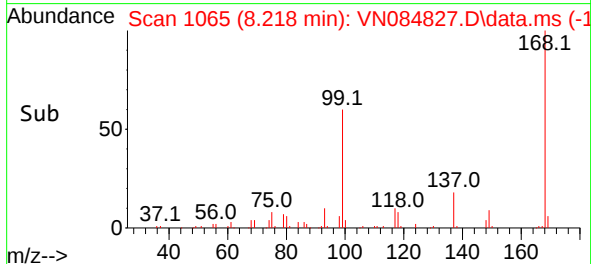
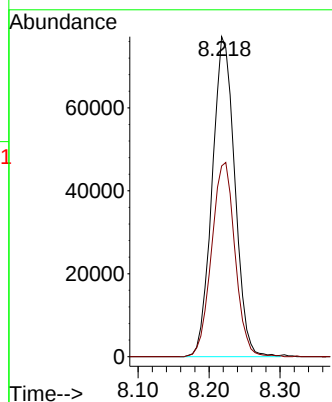
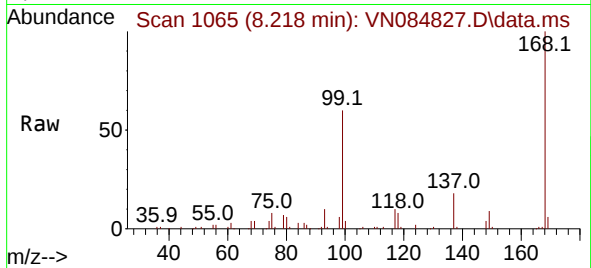




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

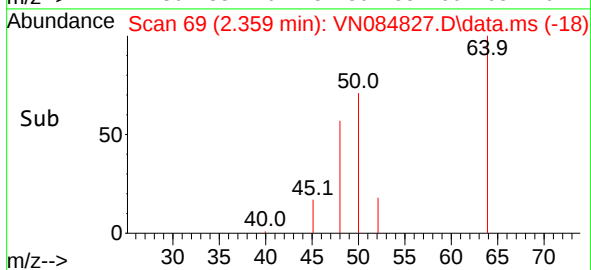
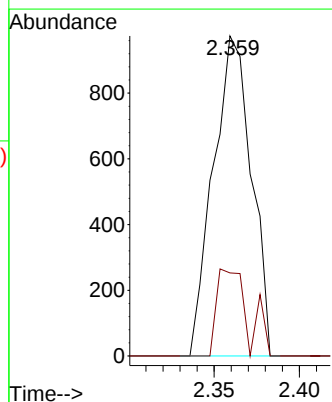
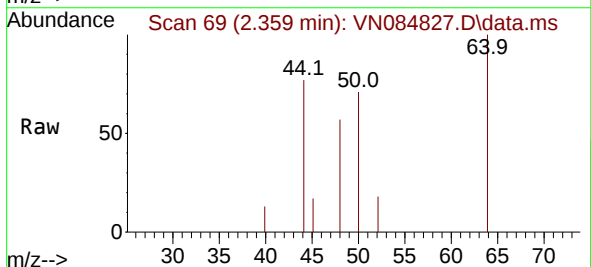
Instrument :
MSVOA_N
ClientSampleId :

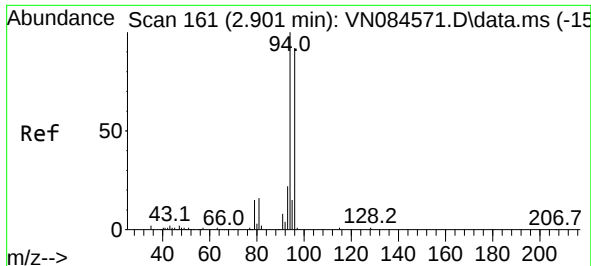
Tgt Ion:168 Resp: 170577
Ion Ratio Lower Upper
168 100
99 59.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion: 50 Resp: 1515
Ion Ratio Lower Upper
50 100
52 26.0 26.8 40.2#

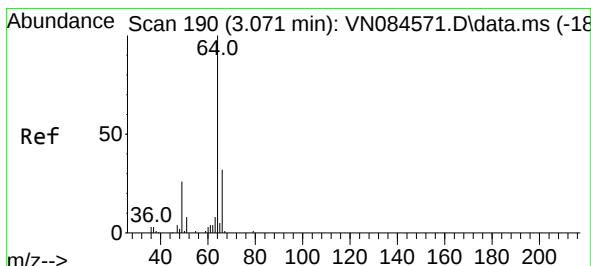
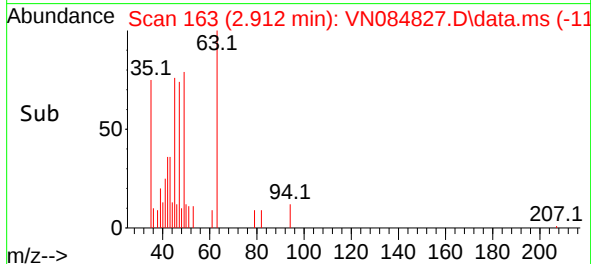
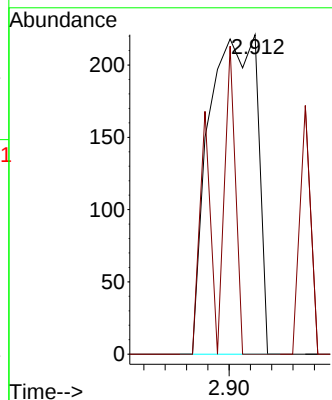
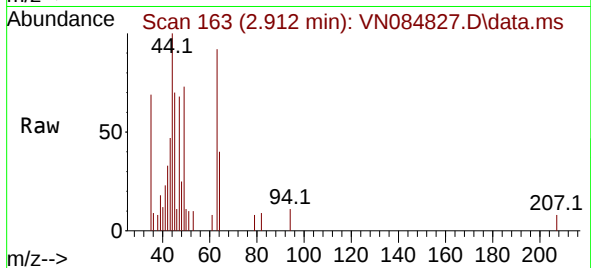




#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.912 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

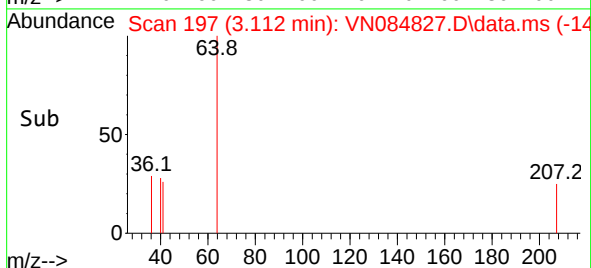
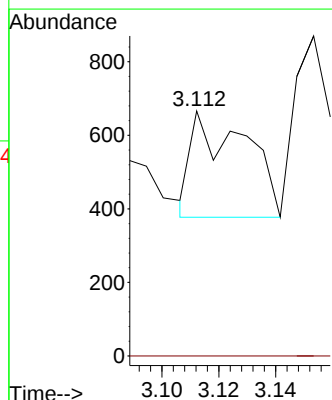
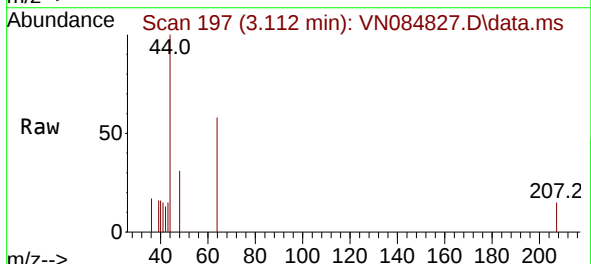
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 347
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion: 64 Resp: 381
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#11

Tert butyl alcohol

Concen: 0.424 ug/l

RT: 5.512 min Scan# 609

Delta R.T. -0.012 min

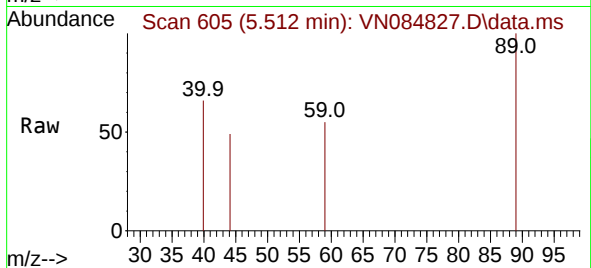
Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

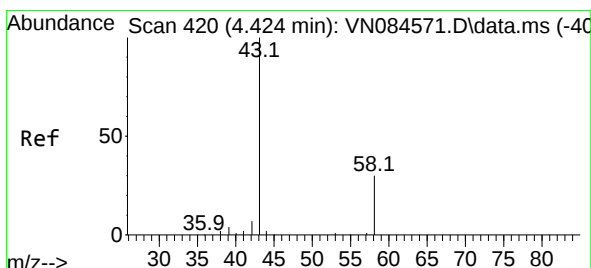
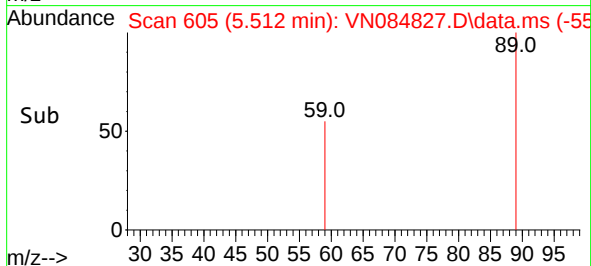
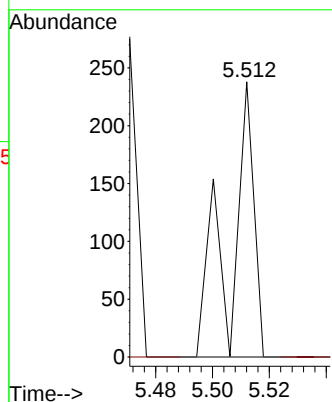


Tgt Ion: 59 Resp: 138

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 4.441 min Scan# 423

Delta R.T. 0.017 min

Lab File: VN084827.D

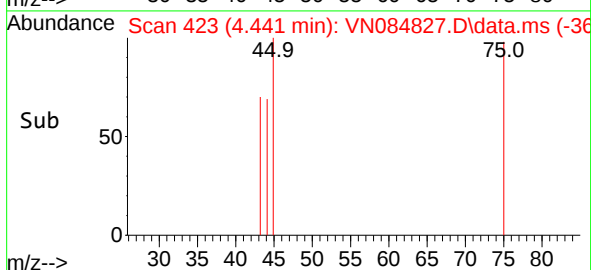
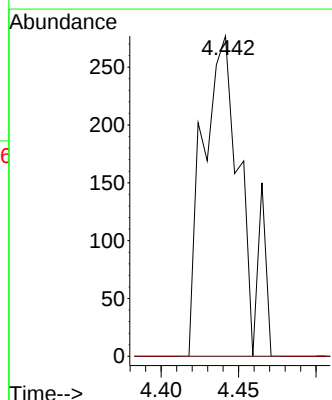
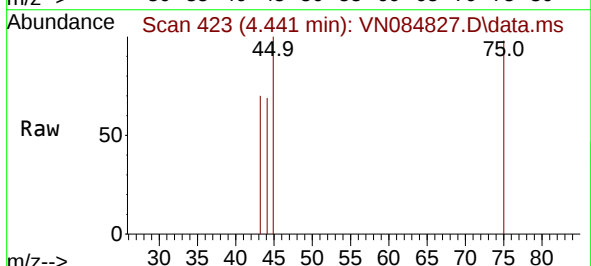
Acq: 13 Nov 2024 15:35

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

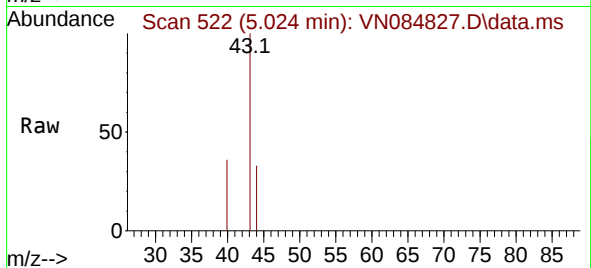
58 0.0 24.4 36.6#



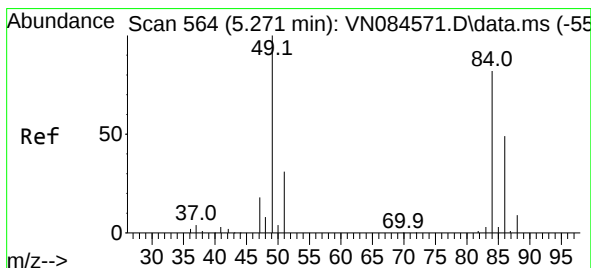
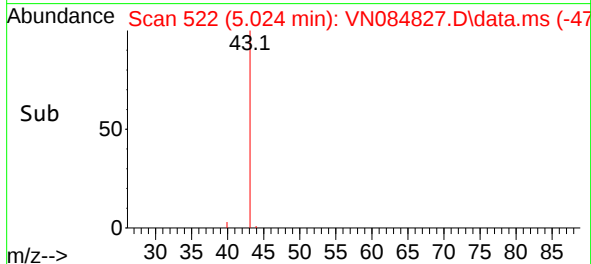
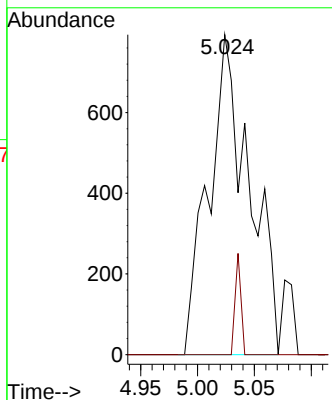


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

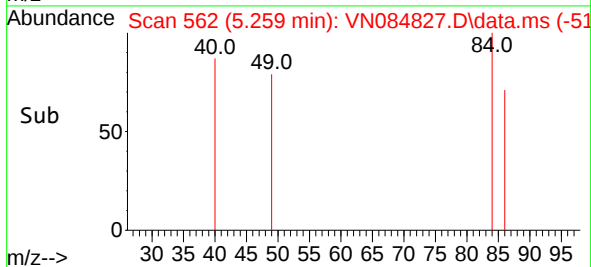
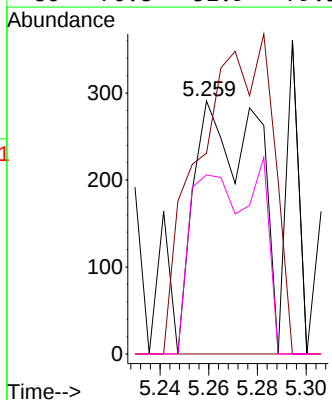
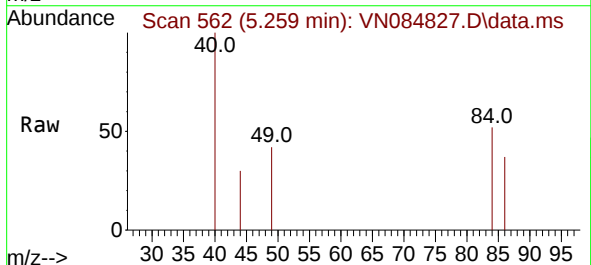


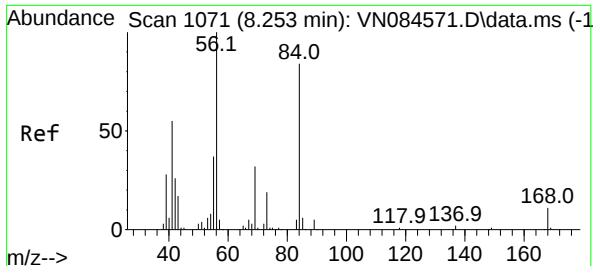
Tgt Ion: 43 Resp: 1976
Ion Ratio Lower Upper
43 100
74 4.5 19.2 28.8#



#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

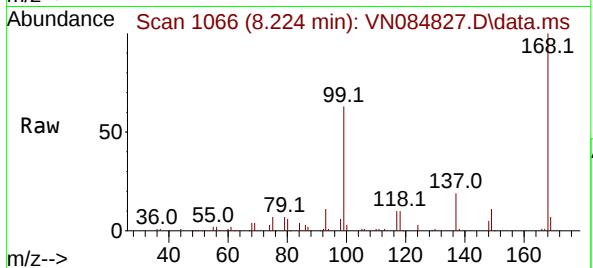
Tgt Ion: 84 Resp: 518
Ion Ratio Lower Upper
84 100
49 18.9 107.2 160.8#
51 0.0 31.8 47.8#
86 70.8 52.9 79.3



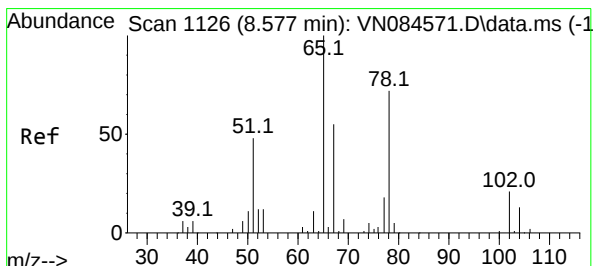
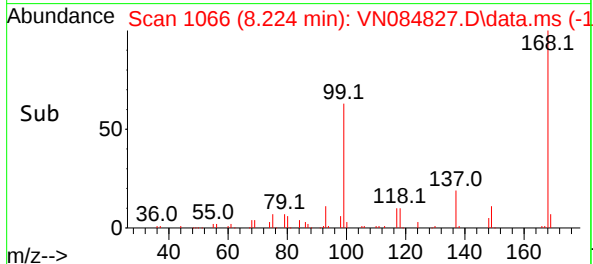
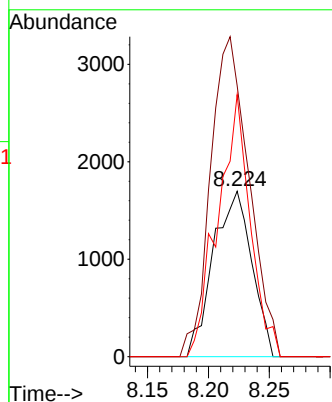


#31
Cyclohexane
Concen: 1.098 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

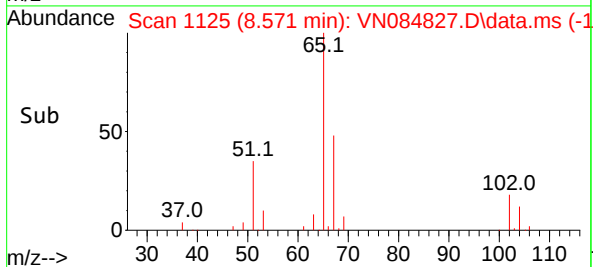
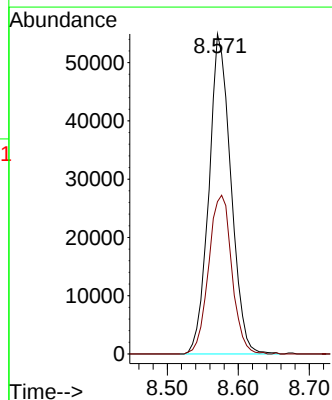
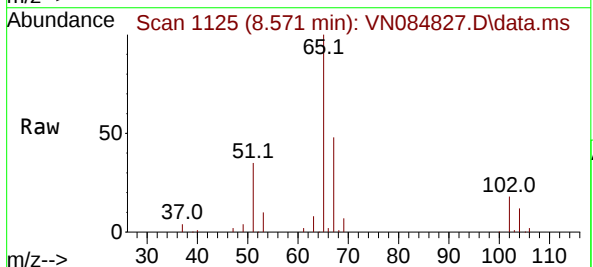


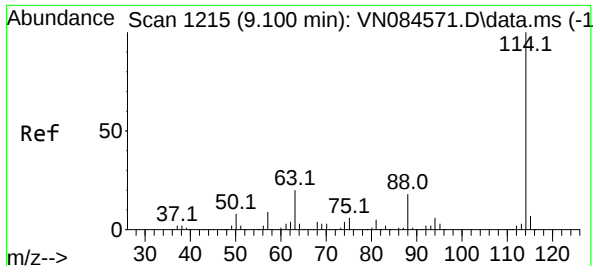
Tgt Ion: 56 Resp: 3736
Ion Ratio Lower Upper
56 100
69 163.8 23.8 35.6#
84 158.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.895 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion: 65 Resp: 118000
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

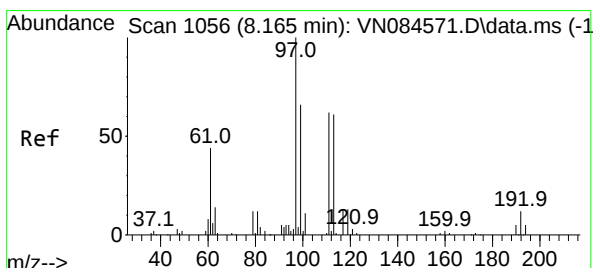
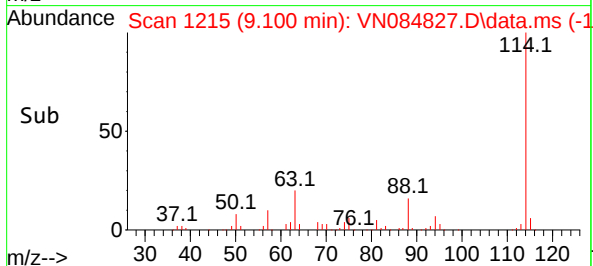
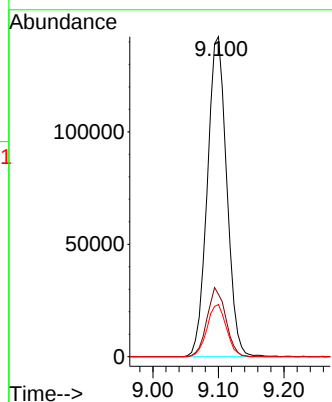
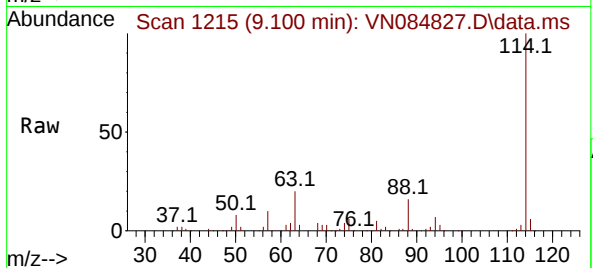
Tgt Ion:114 Resp: 292604

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.8

88 16.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.529 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

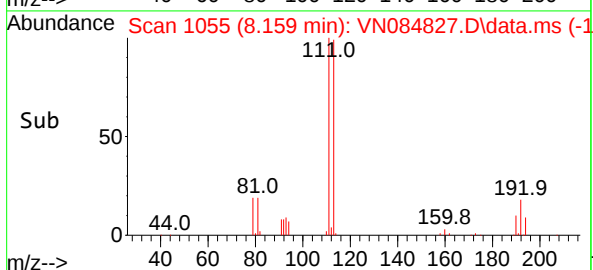
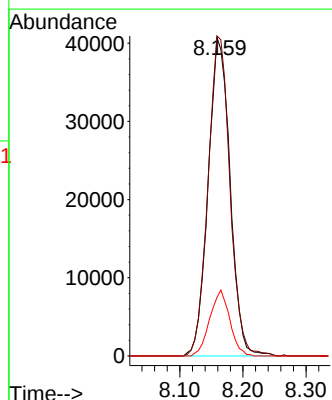
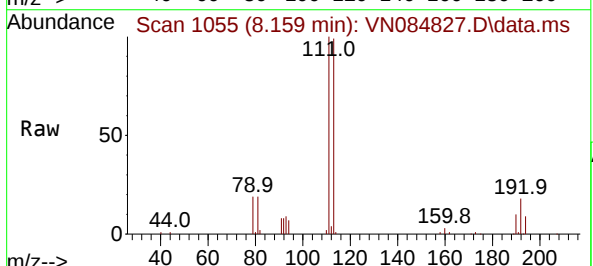
Tgt Ion:113 Resp: 98095

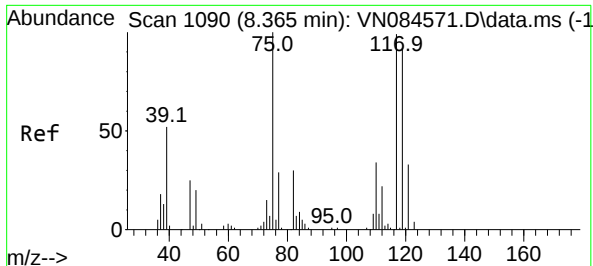
Ion Ratio Lower Upper

113 100

111 100.6 83.3 124.9

192 18.9 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.897 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

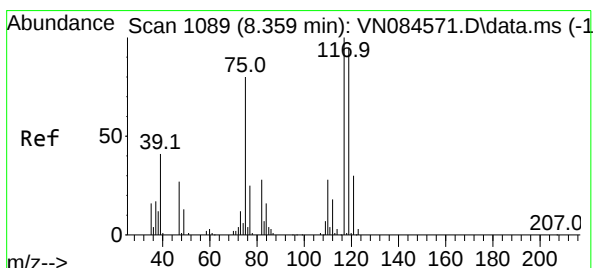
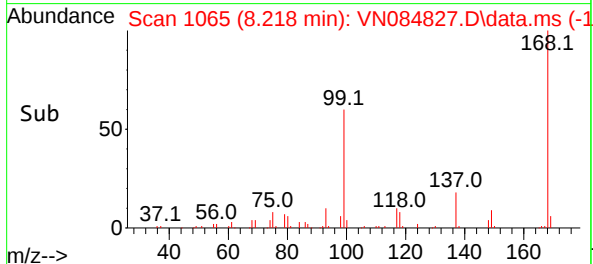
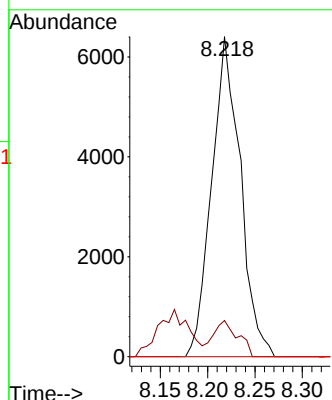
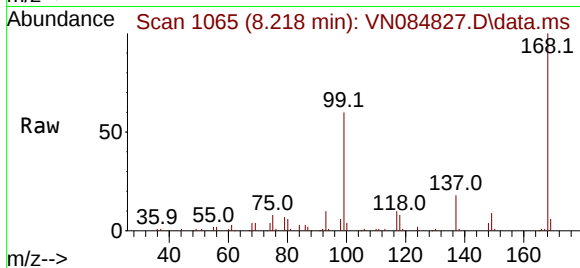
Tgt Ion: 75 Resp: 13452

Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

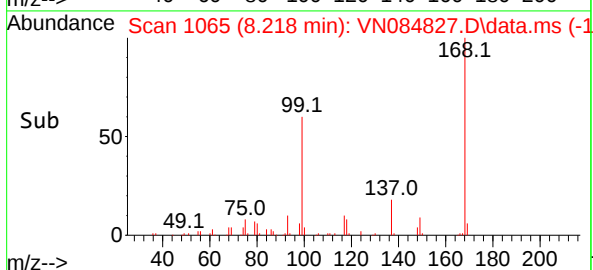
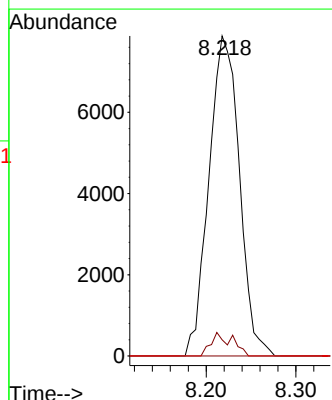
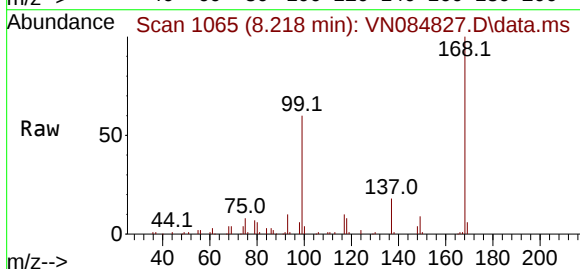
Tgt Ion: 117 Resp: 18602

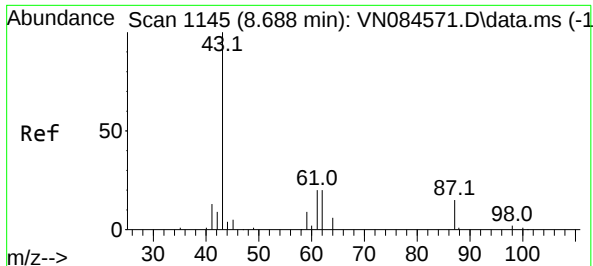
Ion Ratio Lower Upper

117 100

119 5.0 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.671 min Scan# 1145

Delta R.T. -0.017 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

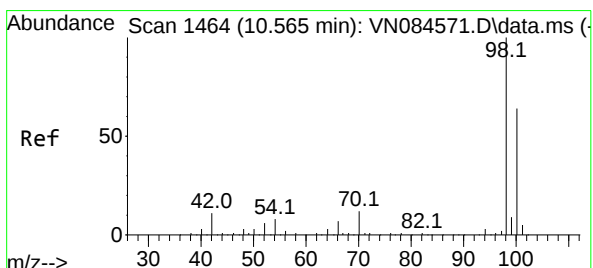
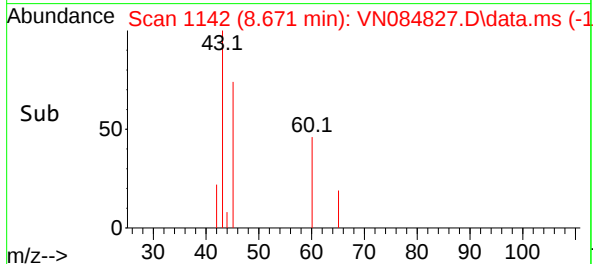
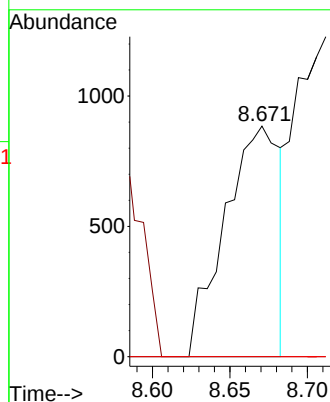
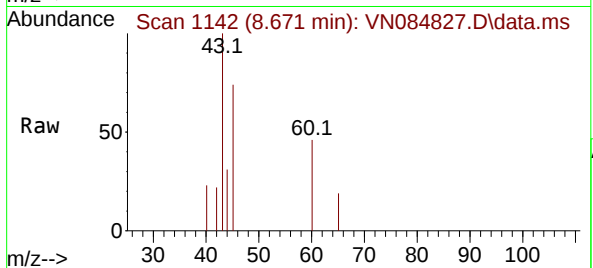
Tgt Ion: 43 Resp: 2179

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 46.285 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084827.D

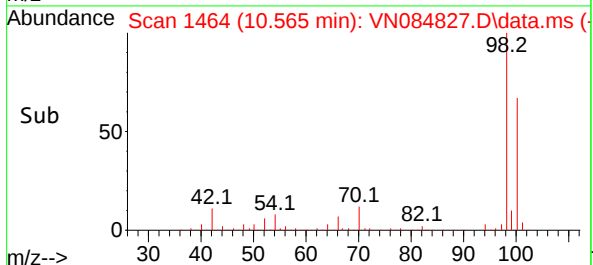
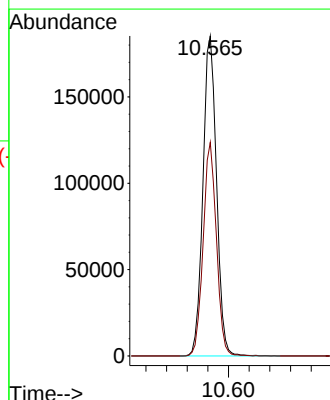
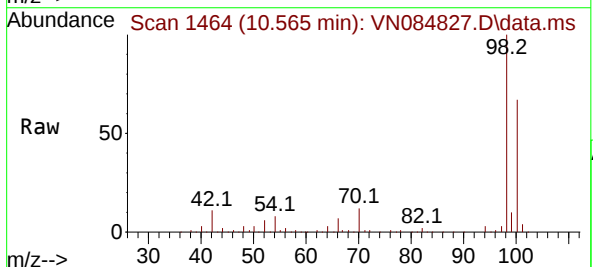
Acq: 13 Nov 2024 15:35

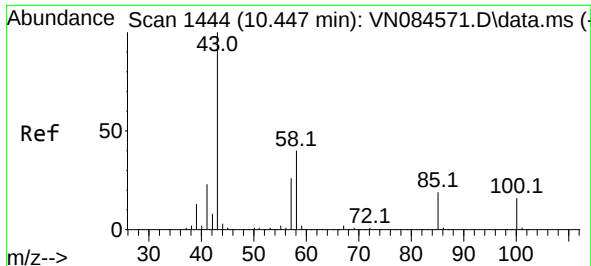
Tgt Ion: 98 Resp: 337686

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.646 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

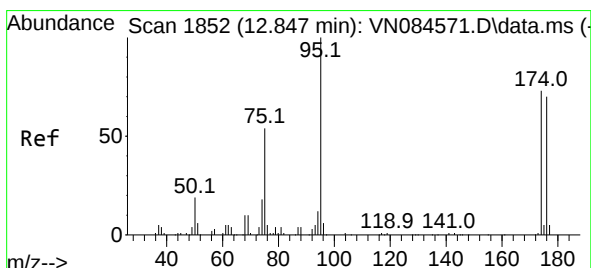
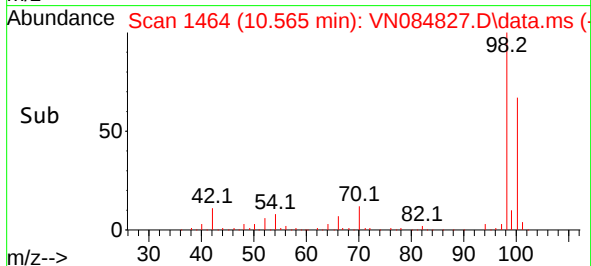
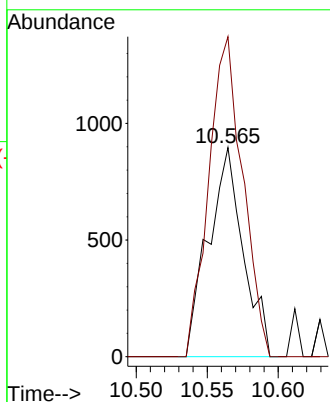
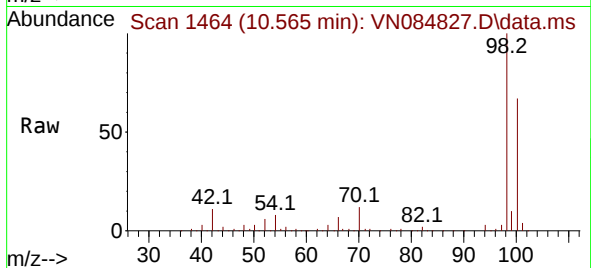
ClientSampleId :

Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

58 149.2 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 48.051 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

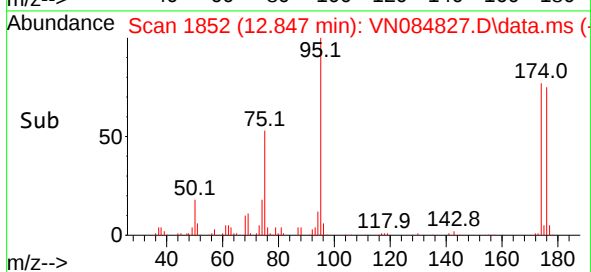
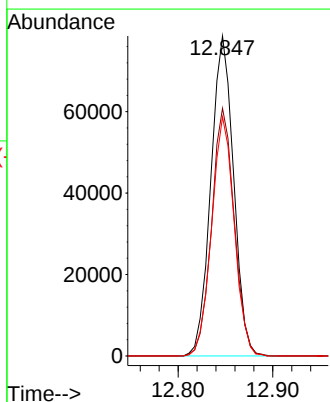
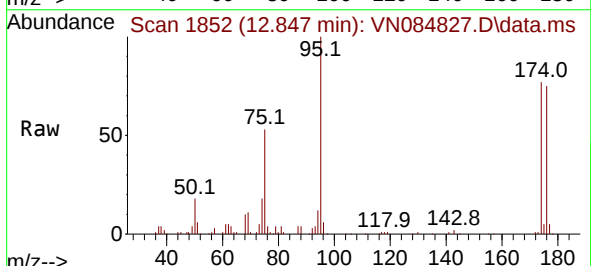
Tgt Ion: 95 Resp: 131019

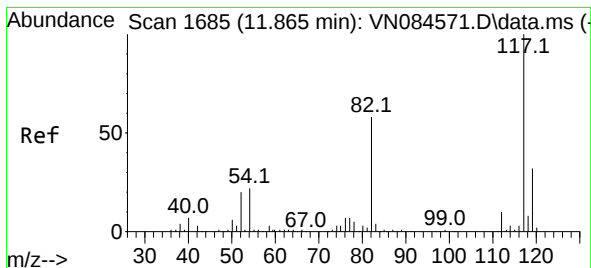
Ion Ratio Lower Upper

95 100

174 77.0 0.0 145.2

176 74.1 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

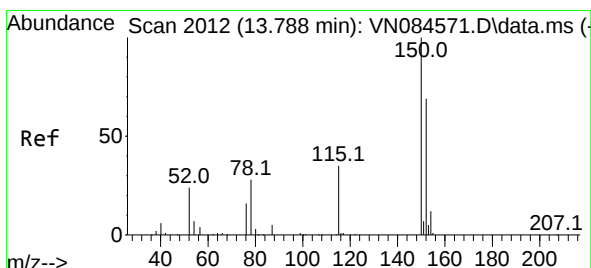
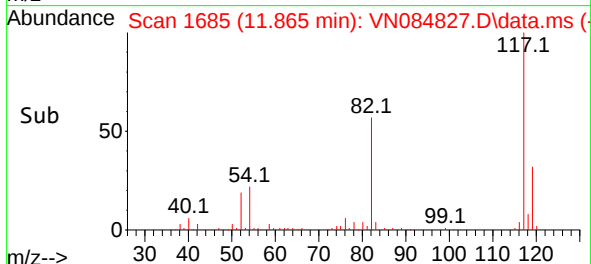
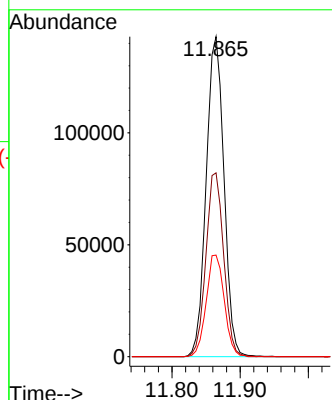
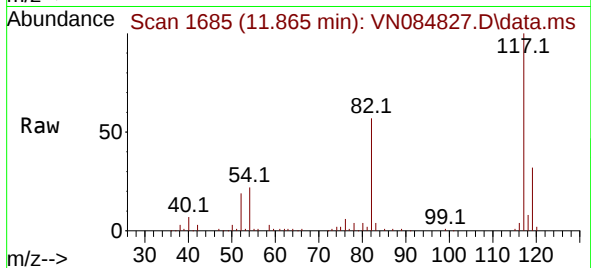
Tgt Ion:117 Resp: 259514

Ion Ratio Lower Upper

117 100

82 57.4 47.2 70.8

119 31.8 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: VN084827.D

Acq: 13 Nov 2024 15:35

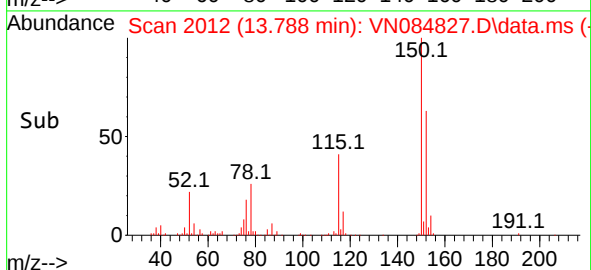
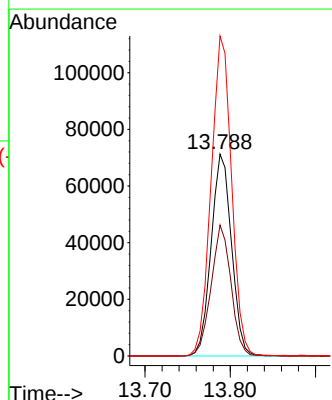
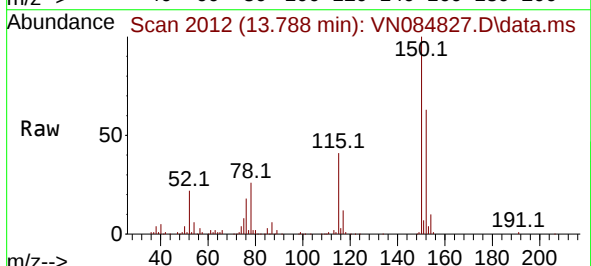
Tgt Ion:152 Resp: 118301

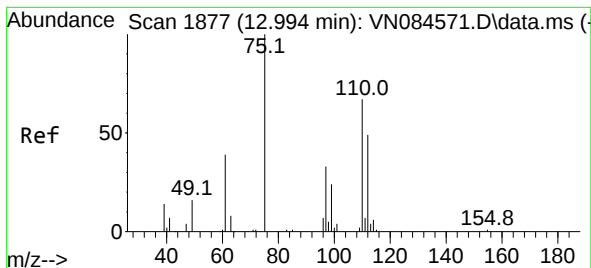
Ion Ratio Lower Upper

152 100

115 63.2 31.3 93.9

150 159.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 28.295 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

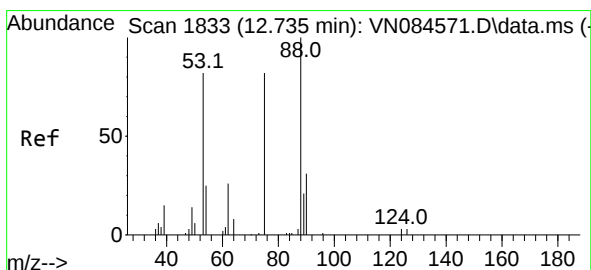
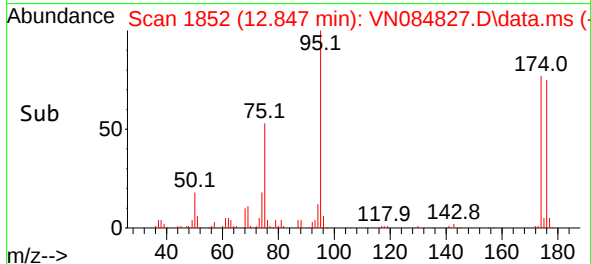
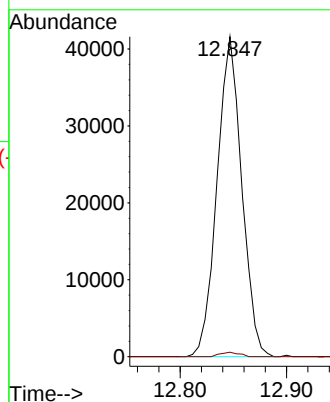
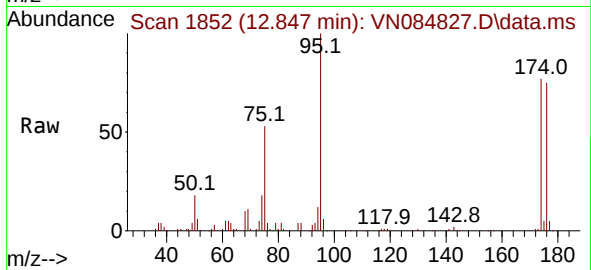
ClientSampleId :

Tgt Ion: 75 Resp: 66911

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.127 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

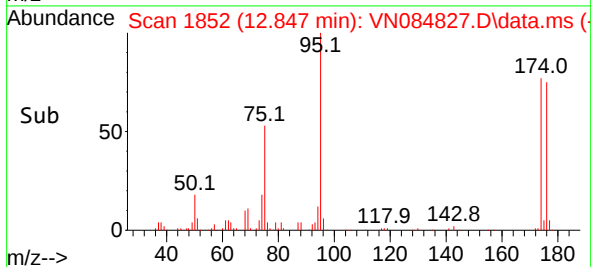
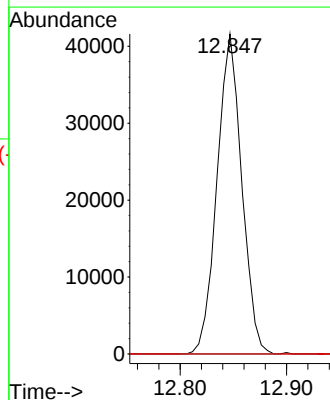
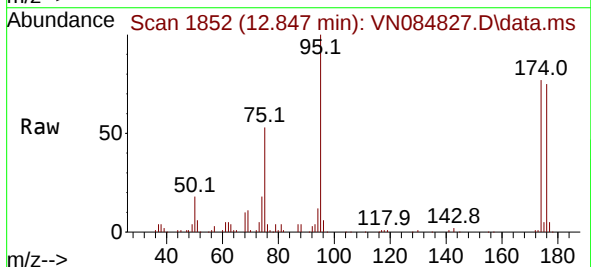
Tgt Ion: 75 Resp: 66911

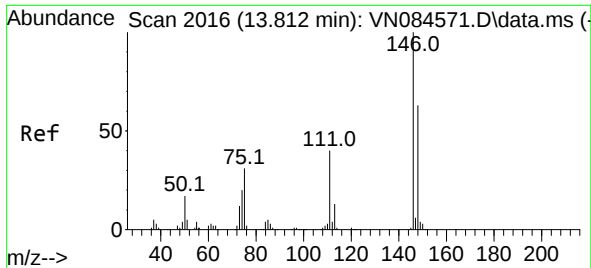
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.811 min Scan# 20

Delta R.T. -0.001 min

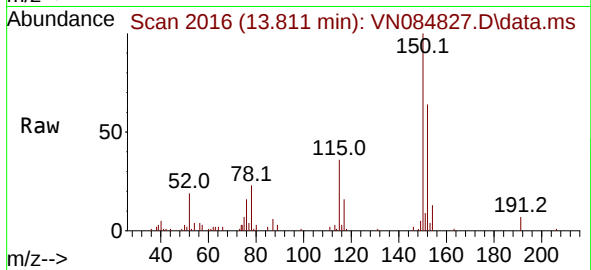
Lab File: VN084827.D

Acq: 13 Nov 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 456

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

