

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084748.D
 Acq On : 08 Nov 2024 14:32
 Operator : JC\MD
 Sample : P4774-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 22:31:00 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)

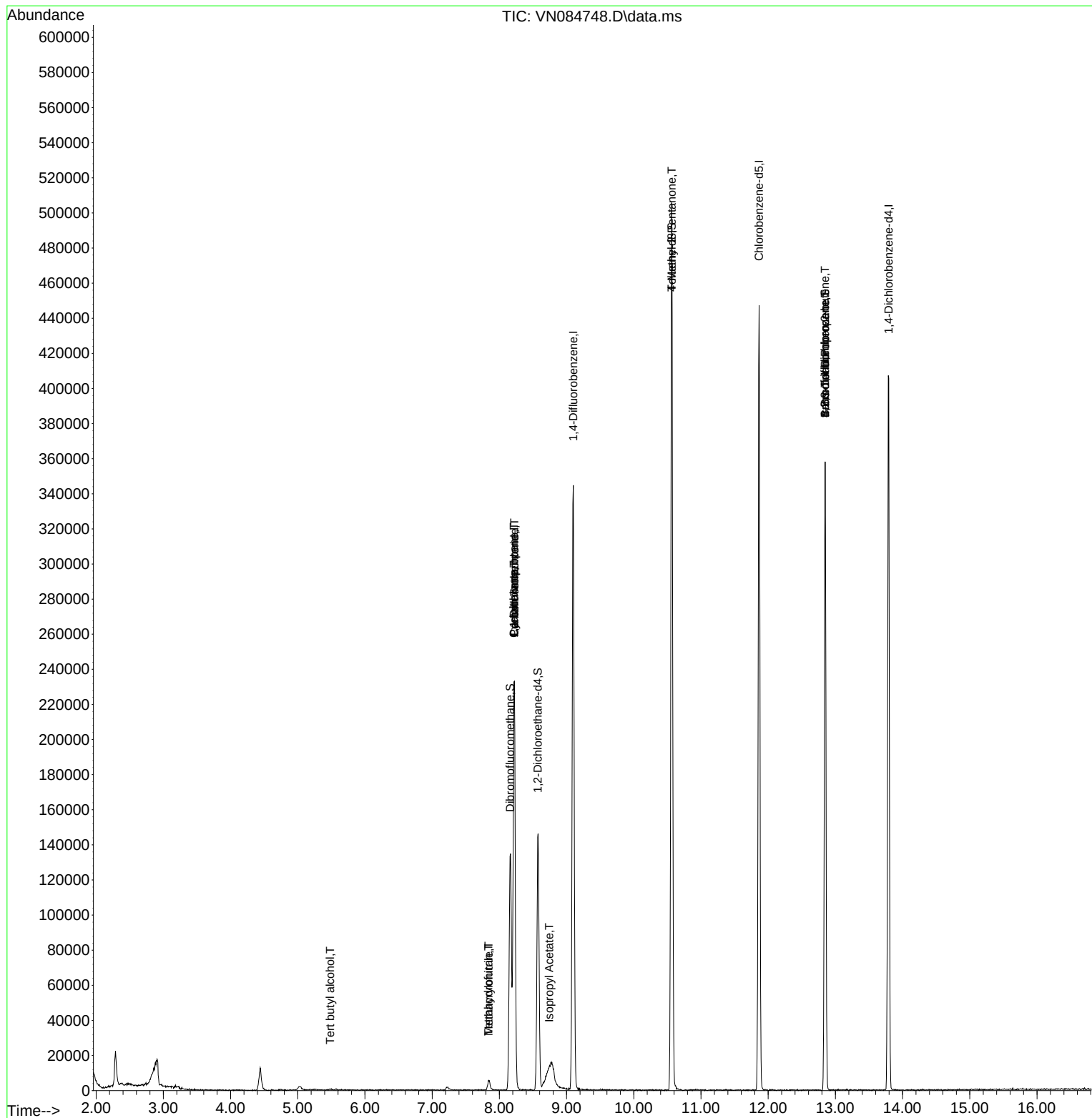
Internal Standards						
1) Pentafluorobenzene	8.224	168	172082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121482	48.877	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.760%
35) Dibromofluoromethane	8.159	113	100718	49.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.420%
50) Toluene-d8	10.565	98	344401	45.680	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.847	95	127539	45.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	977	Below Cal		97
6) Chloroethane	3.059	64	415	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	133	0.405 ug/l	#	73
16) Acetone	4.442	43	912	Below Cal	#	44
18) Methyl Acetate	5.036	43	5034	Below Cal		93
29) Tetrahydrofuran	7.835	42	4345	5.648 ug/l		97
31) Cyclohexane	8.218	56	3717	1.083 ug/l	#	1
36) 1,1-Dichloropropene	8.218	75	13783	4.856 ug/l	#	50
38) Carbon Tetrachloride	8.224	117	18599	5.862 ug/l	#	16
41) Methacrylonitrile	7.841	41	2486	1.795 ug/l	#	49
43) Isopropyl Acetate	8.741	43	21015	3.520 ug/l	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1439	0.586 ug/l	#	1
71) Bromoform	12.847	173	628	0.411 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	63757	28.229 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63757	66.970 ug/l	#	11
88) 1,4-Dichlorobenzene	13.806	146	183	Below Cal	#	1

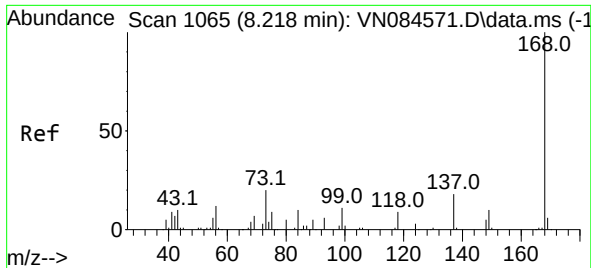
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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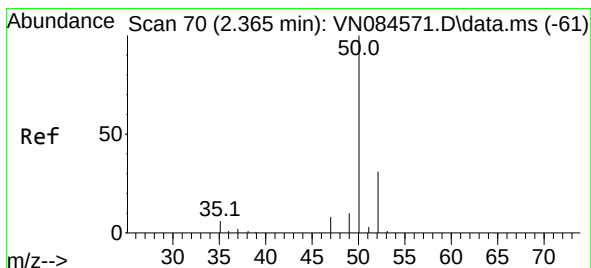
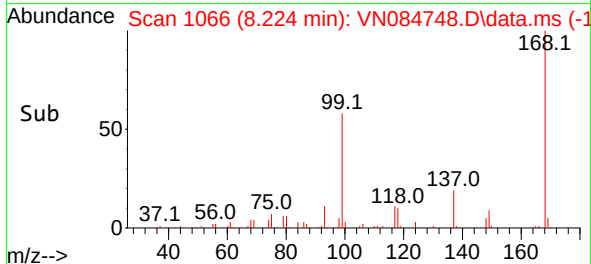
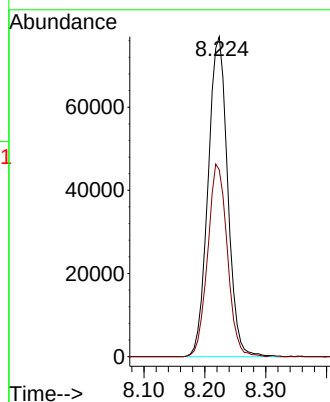
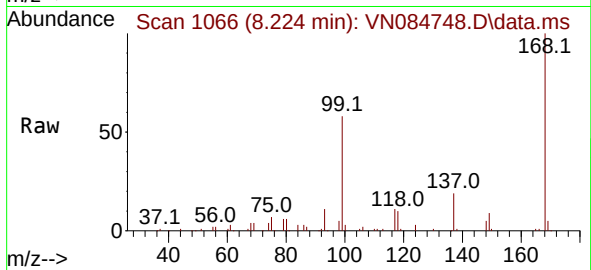




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

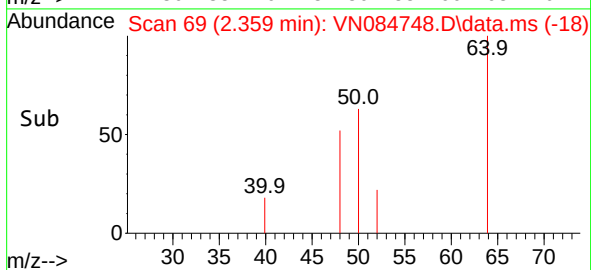
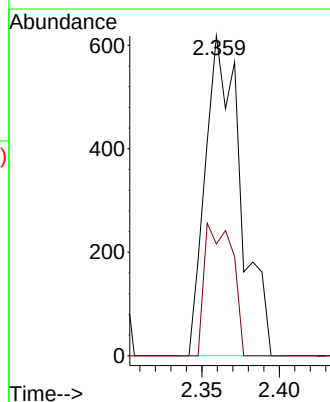
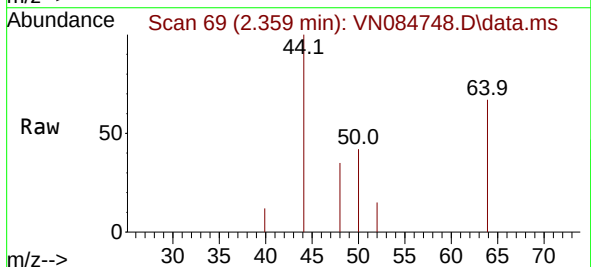
Instrument :
MSVOA_N
ClientSampleId :

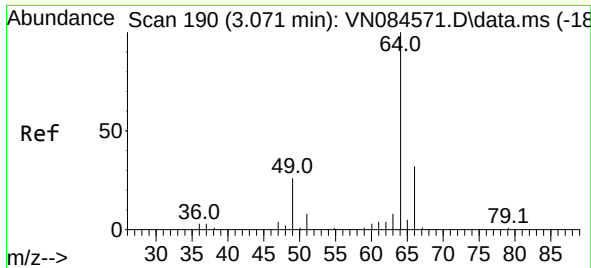
Tgt Ion:168 Resp: 172082
Ion Ratio Lower Upper
168 100
99 58.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

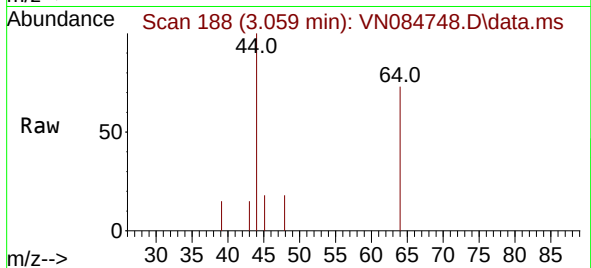
Tgt Ion: 50 Resp: 977
Ion Ratio Lower Upper
50 100
52 35.0 26.8 40.2



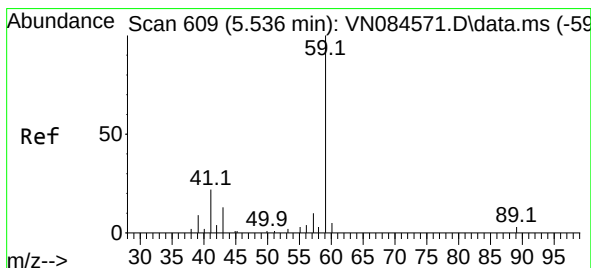
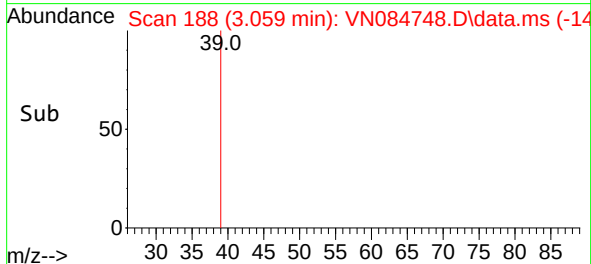
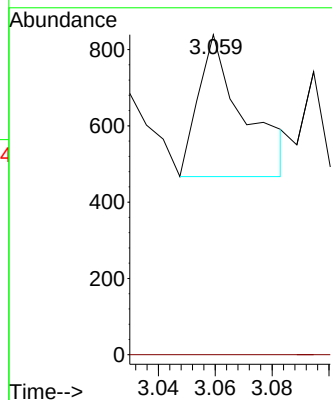


#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

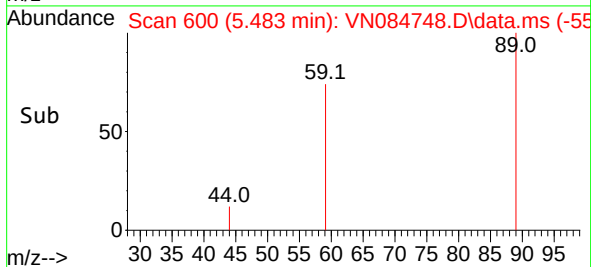
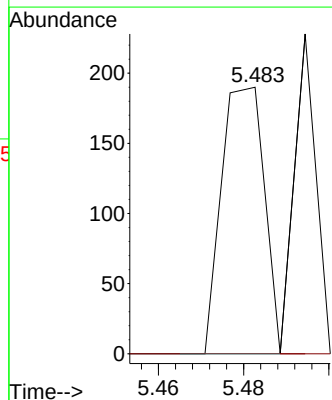
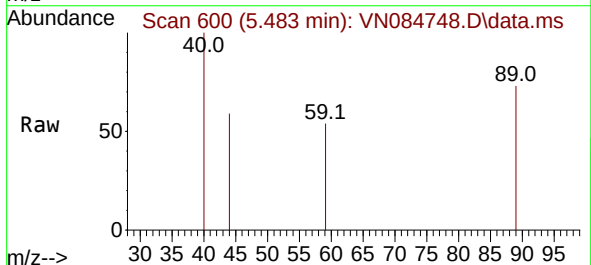


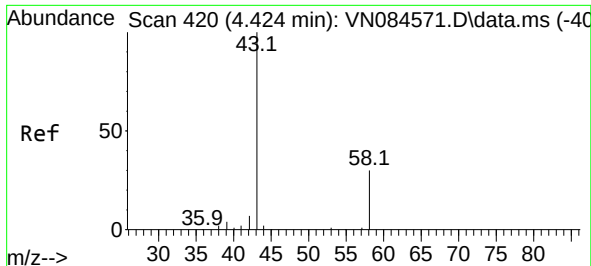
Tgt Ion: 64 Resp: 415
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.405 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

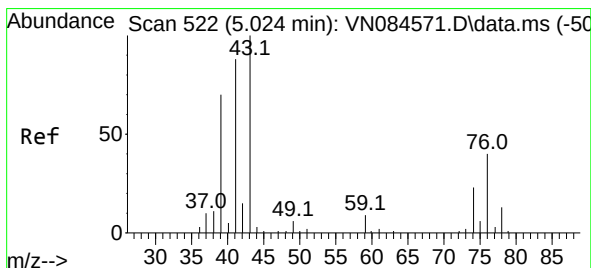
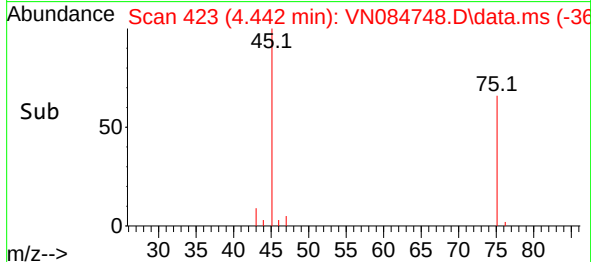
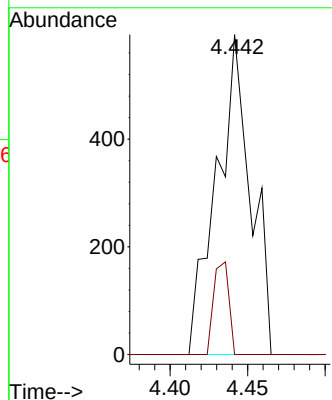
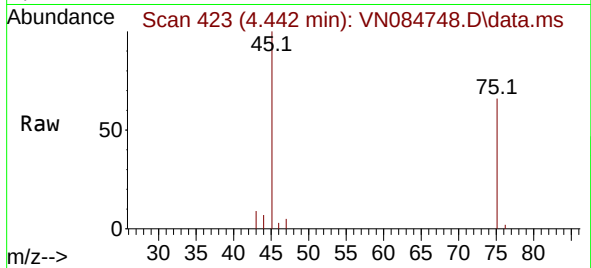




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

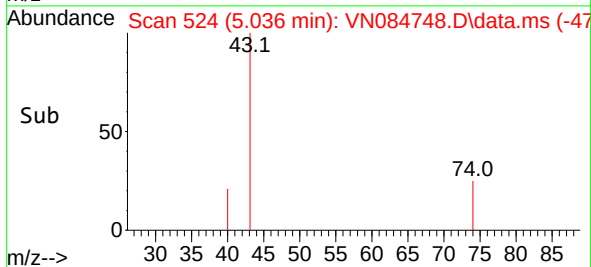
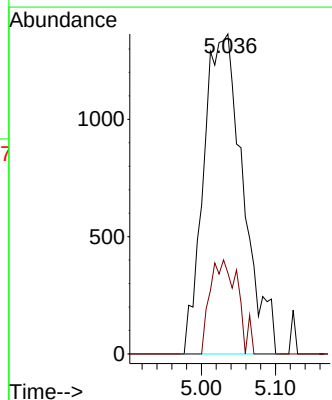
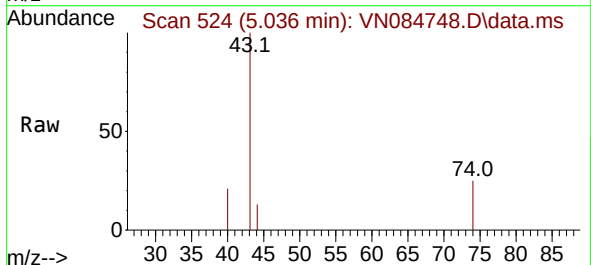
Instrument :
MSVOA_N
ClientSampleId :

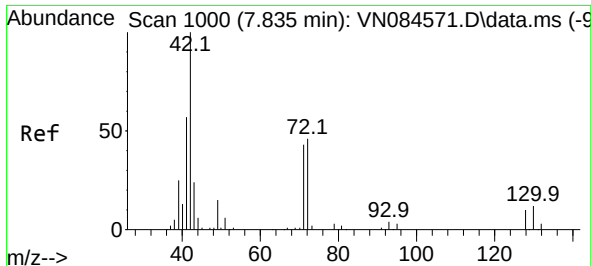
Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
74 20.7 19.2 28.8





#29

Tetrahydrofuran

Concen: 5.648 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

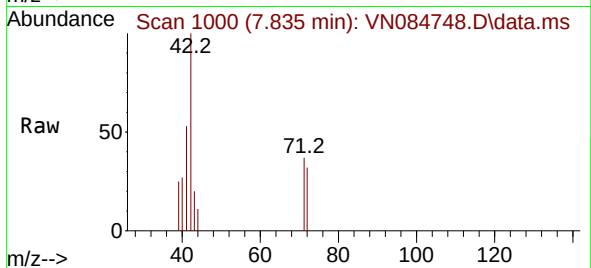
Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

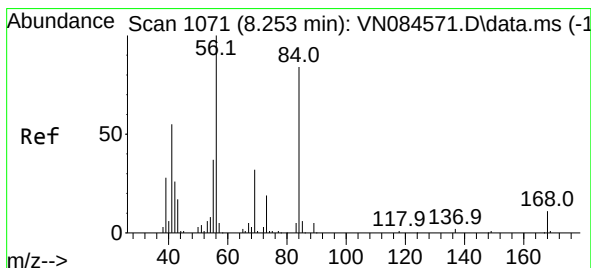
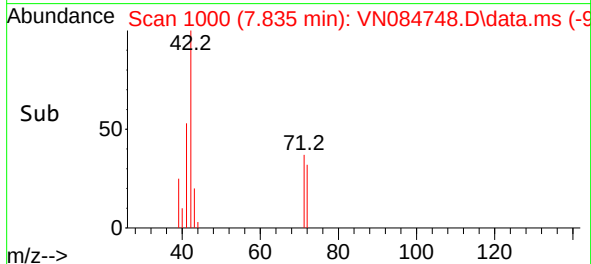
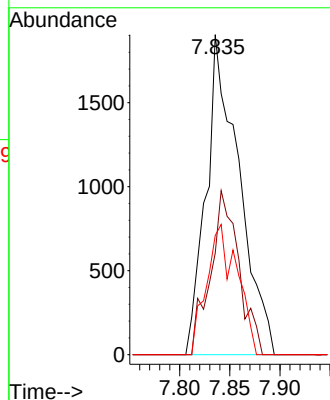
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	4345
Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.6	51.8
71	37.8	32.2	48.4



#31

Cyclohexane

Concen: 1.083 ug/l

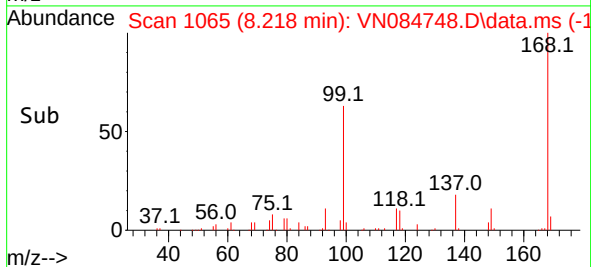
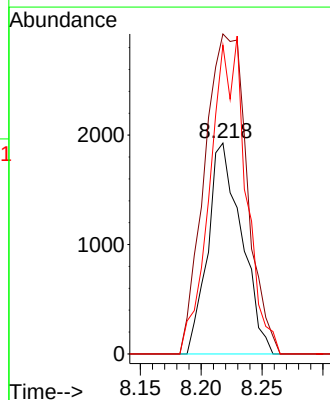
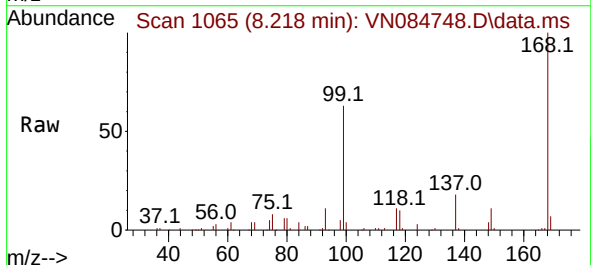
RT: 8.218 min Scan# 1065

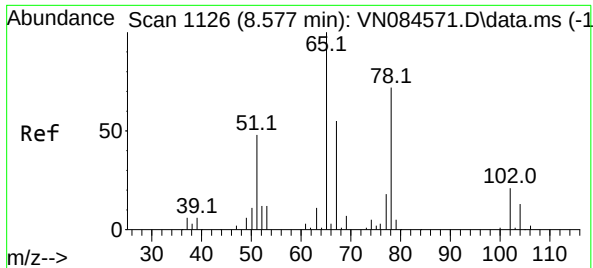
Delta R.T. -0.035 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Tgt Ion:	56	Resp:	3717
Ion	Ratio	Lower	Upper
56	100		
69	151.8	23.8	35.6#
84	146.5	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.877 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

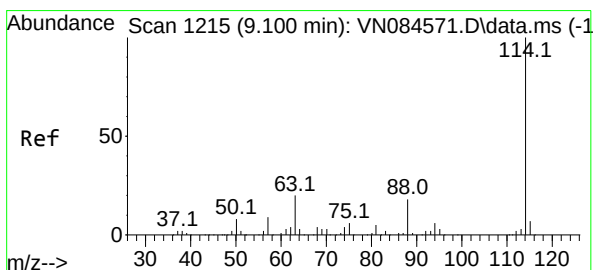
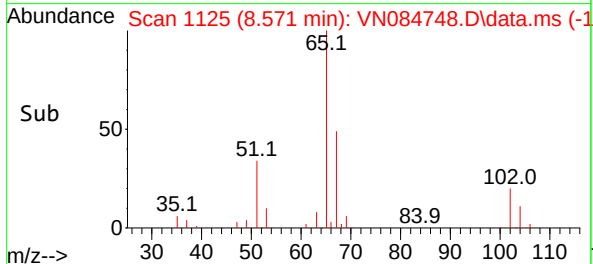
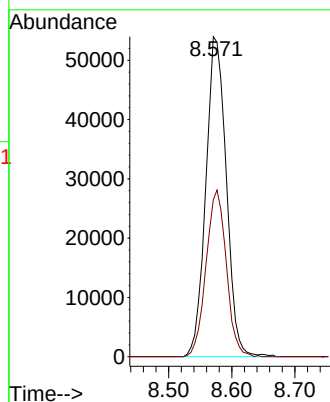
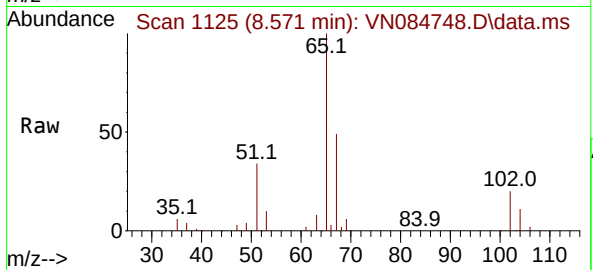
ClientSampleId :

Tgt Ion: 65 Resp: 121482

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

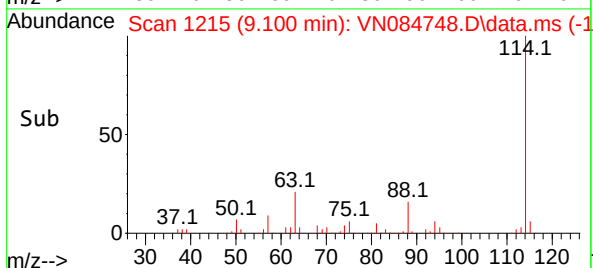
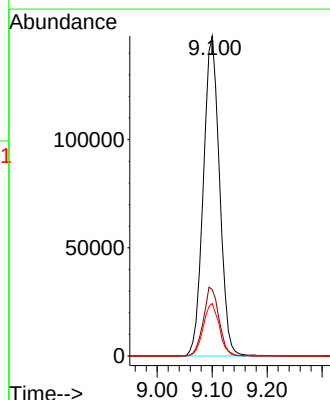
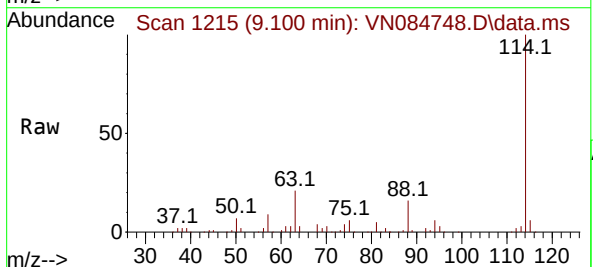
Tgt Ion: 114 Resp: 302375

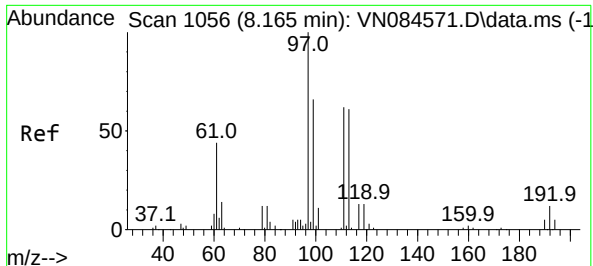
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.210 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

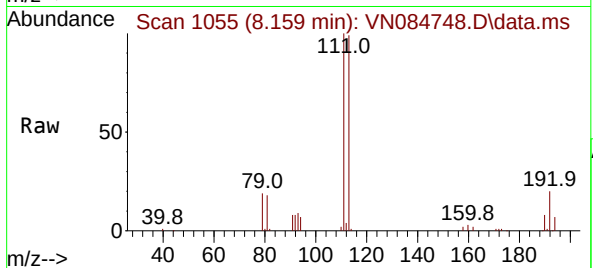
Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :



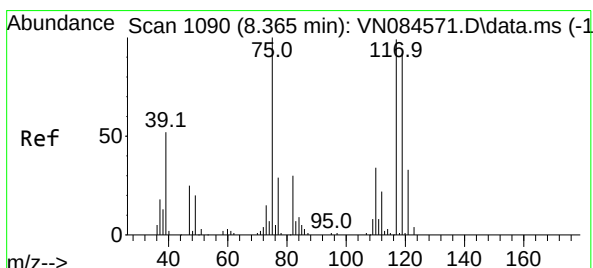
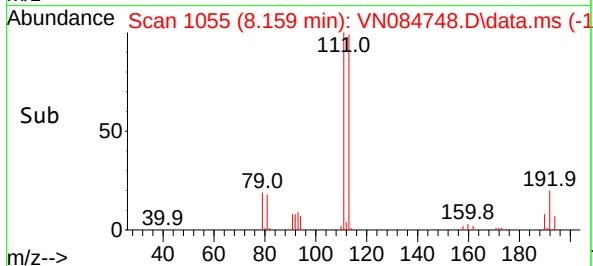
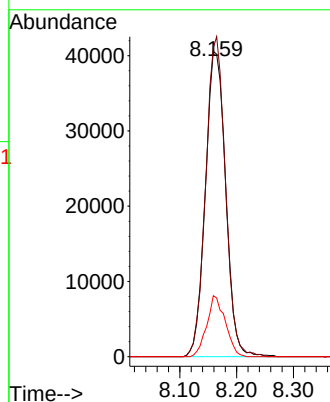
Tgt Ion:113 Resp: 100718

Ion Ratio Lower Upper

113 100

111 101.5 83.3 124.9

192 18.2 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

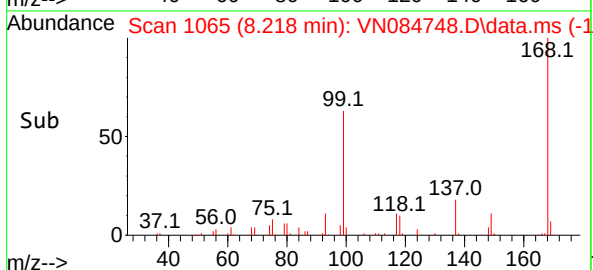
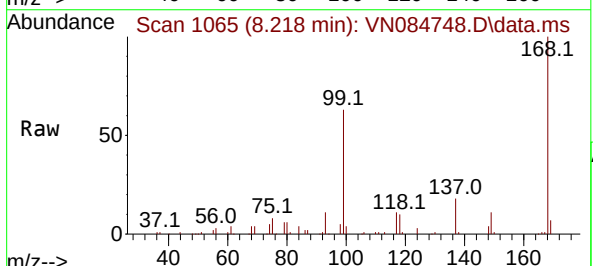
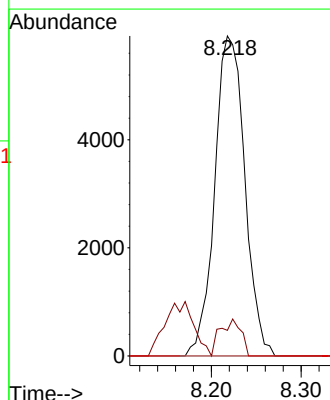
Tgt Ion: 75 Resp: 13783

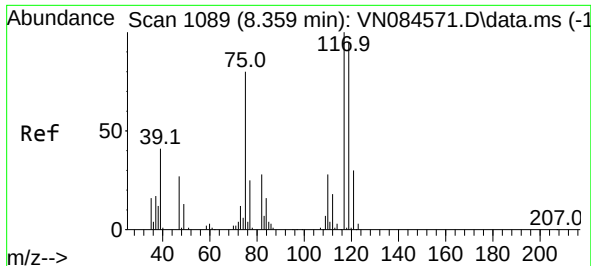
Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.7#

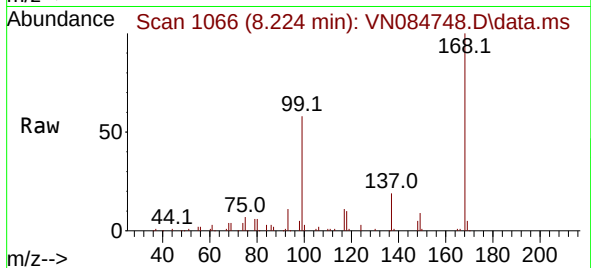
77 0.0 24.7 37.1#



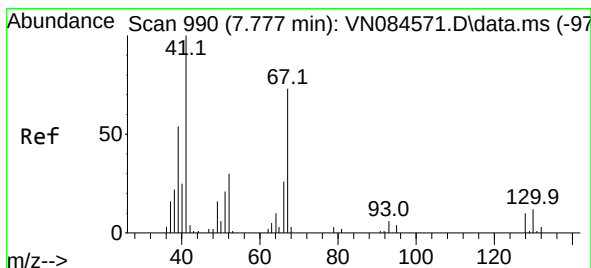
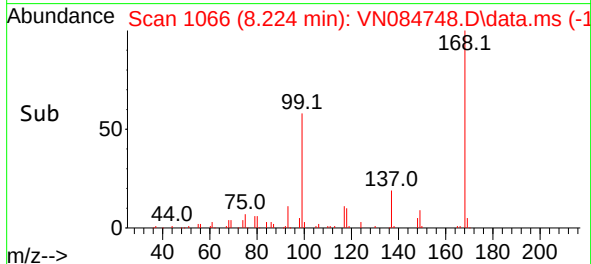
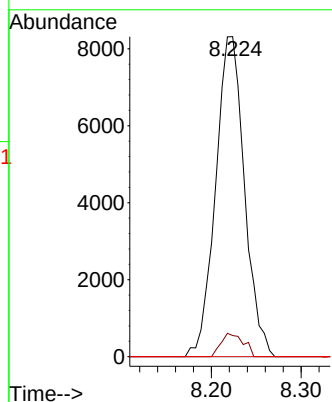


#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

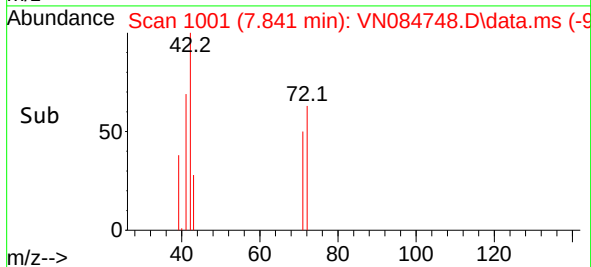
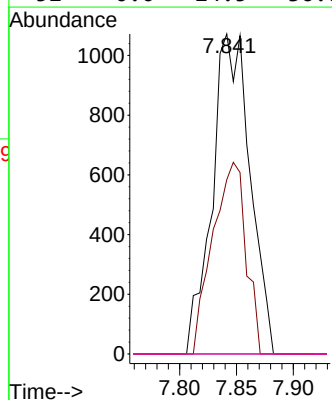
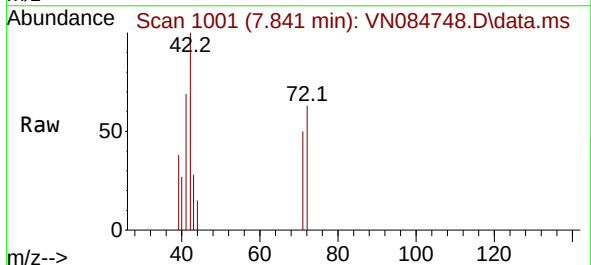


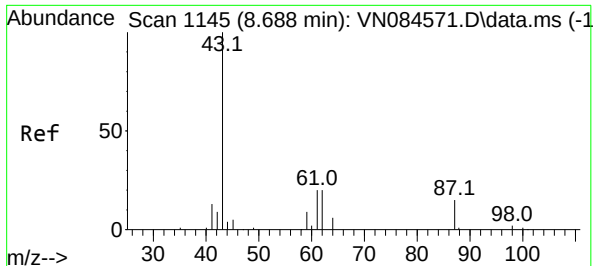
Tgt Ion:117 Resp: 18599
Ion Ratio Lower Upper
117 100
119 6.6 78.7 118.1#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.795 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.064 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 41 Resp: 2486
Ion Ratio Lower Upper
41 100
39 52.5 43.3 64.9
67 0.0 56.1 84.1#
52 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 3.520 ug/l

RT: 8.741 min Scan# 1145

Delta R.T. 0.053 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

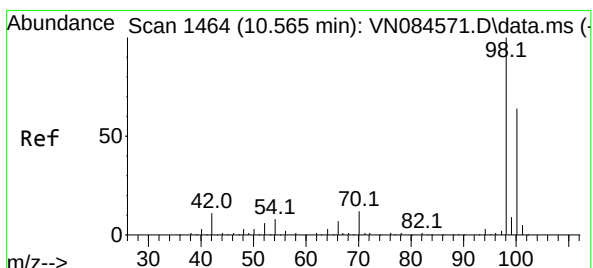
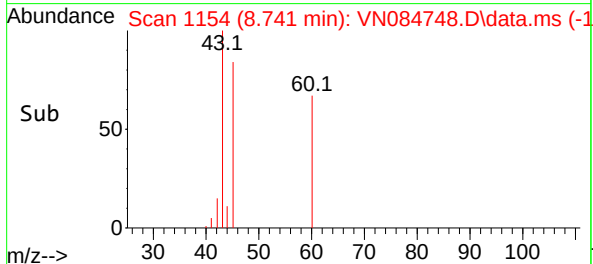
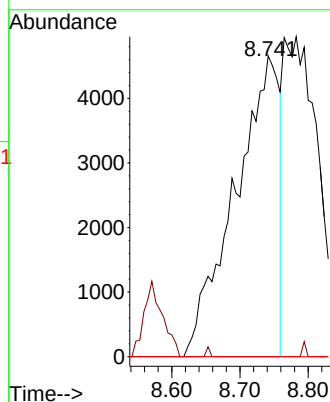
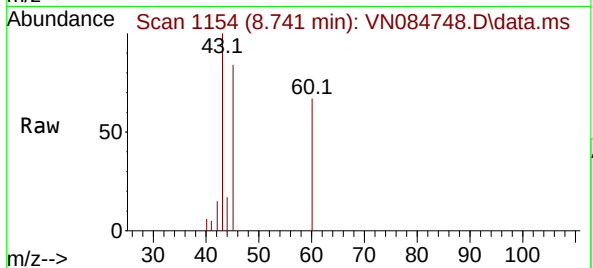
Tgt Ion: 43 Resp: 21015

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.680 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084748.D

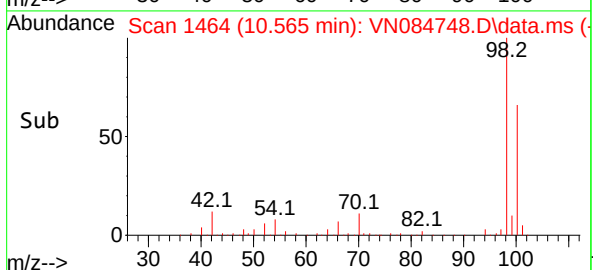
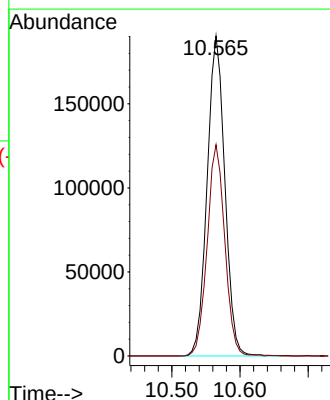
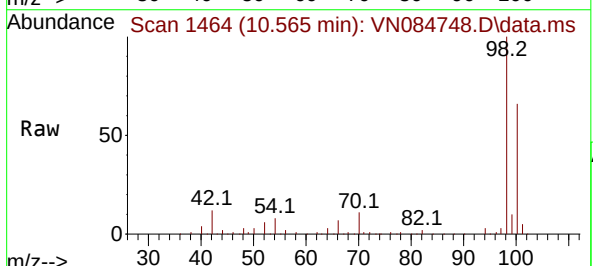
Acq: 08 Nov 2024 14:32

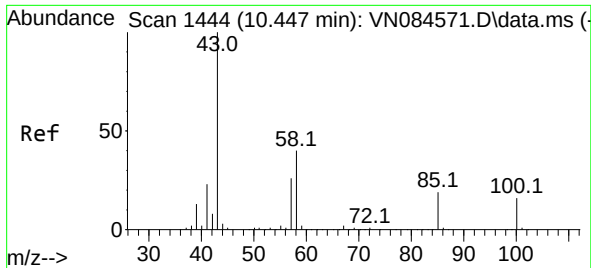
Tgt Ion: 98 Resp: 344401

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1

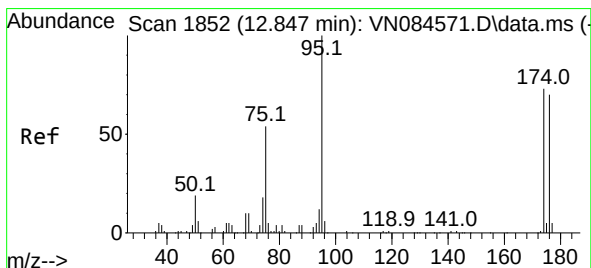
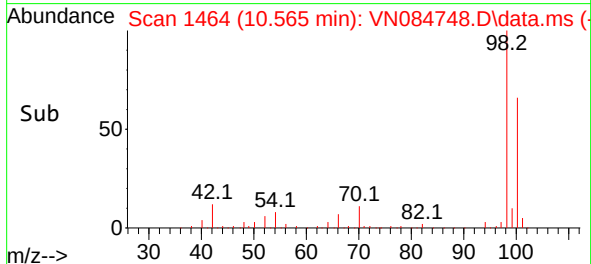
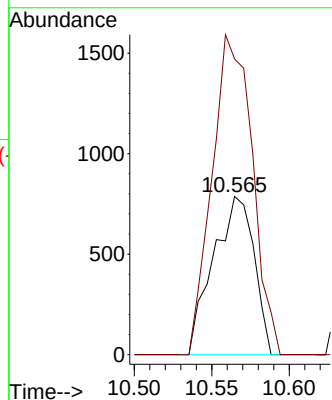
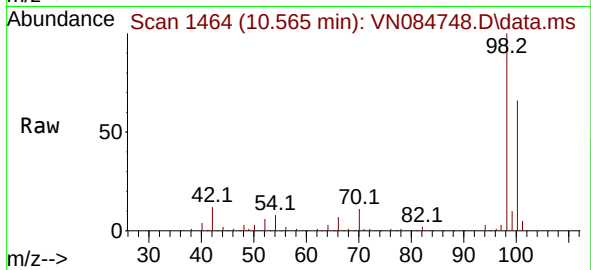




#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

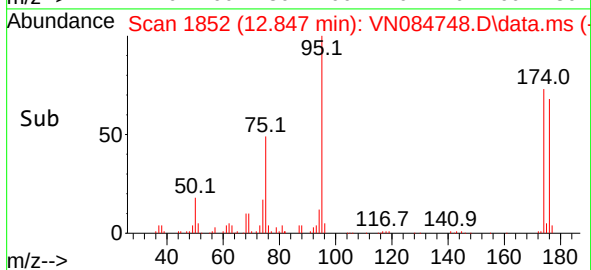
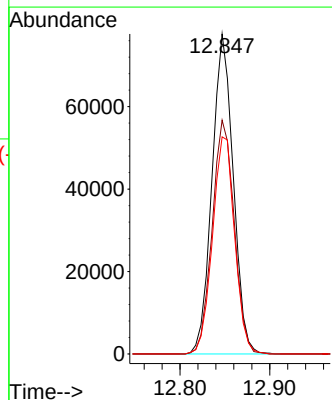
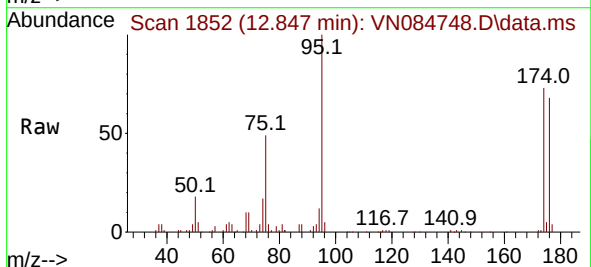
Instrument :
MSVOA_N
ClientSampleId :

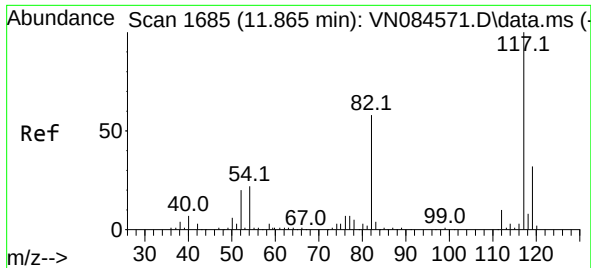
Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
58 199.8 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 45.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 95 Resp: 127539
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.2
176 70.8 0.0 140.0

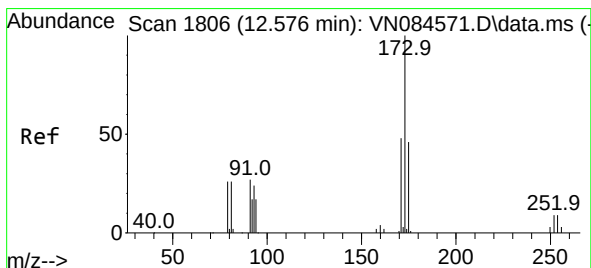
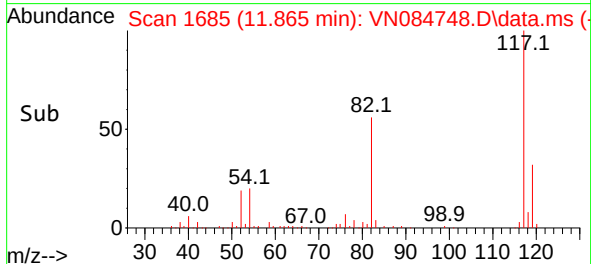
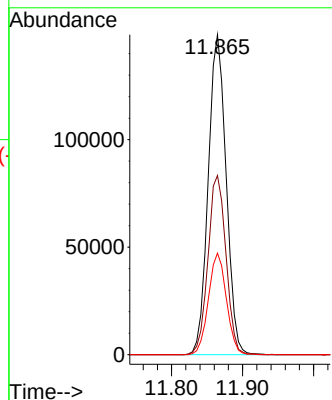
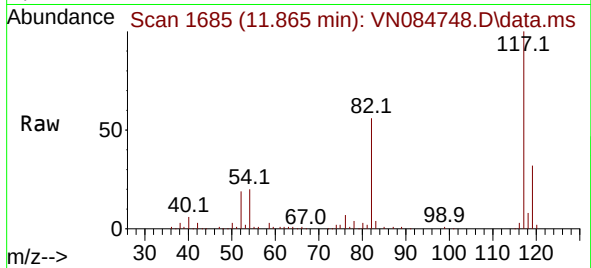




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

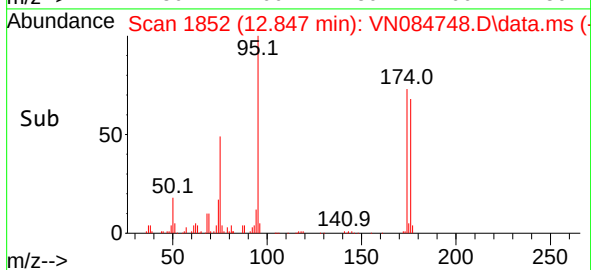
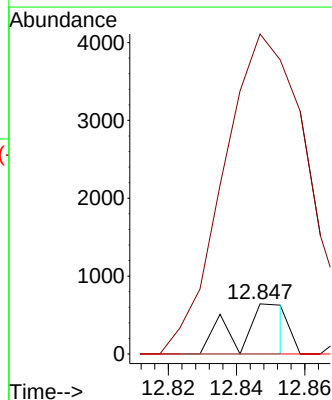
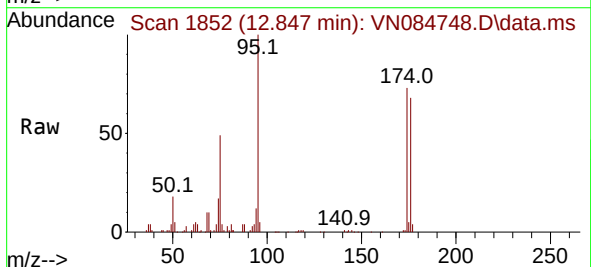
Instrument :
MSVOA_N
ClientSampleId :

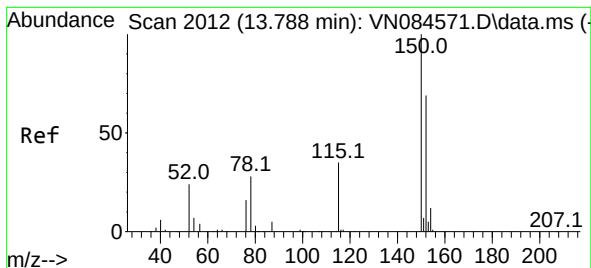
Tgt Ion:117 Resp: 260963
Ion Ratio Lower Upper
117 100
82 56.0 47.2 70.8
119 31.7 25.4 38.0



#71
Bromoform
Concen: 0.411 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion:173 Resp: 628
Ion Ratio Lower Upper
173 100
175 820.5 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084748.D

Acq: 08 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

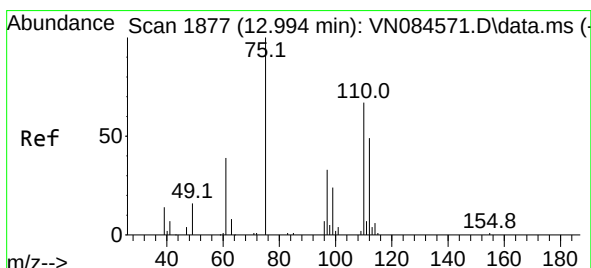
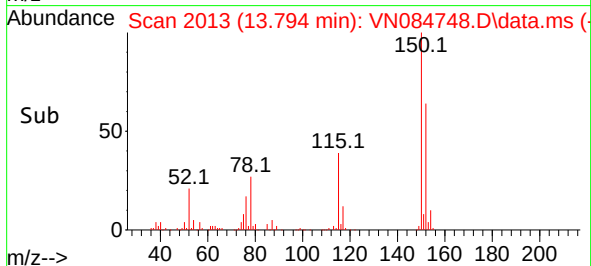
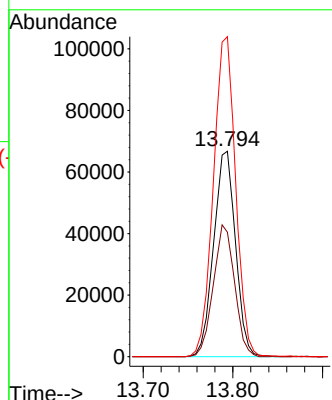
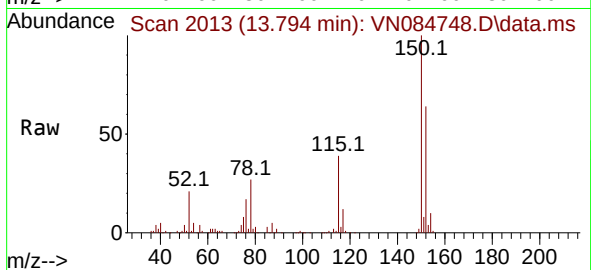
Tgt Ion:152 Resp: 112988

Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.9

150 158.5 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 28.229 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084748.D

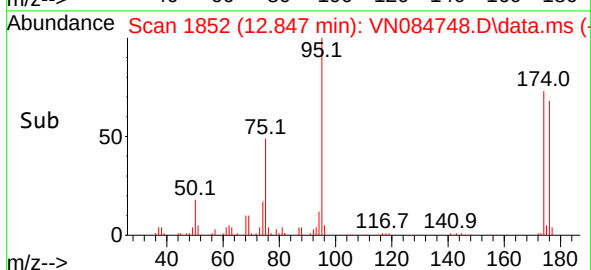
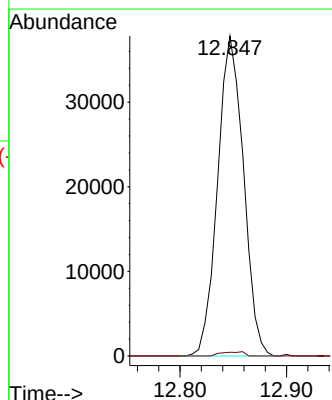
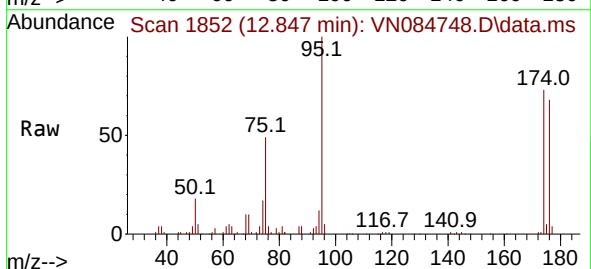
Acq: 08 Nov 2024 14:32

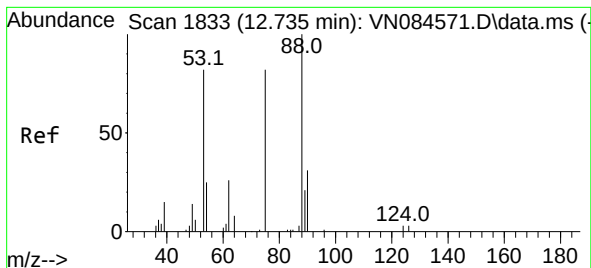
Tgt Ion: 75 Resp: 63757

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

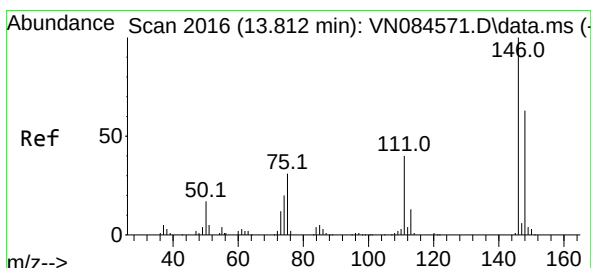
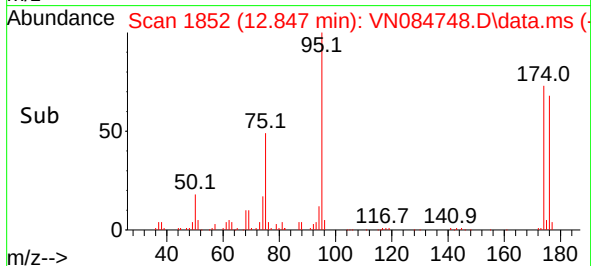
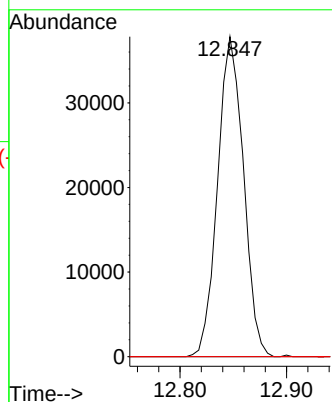
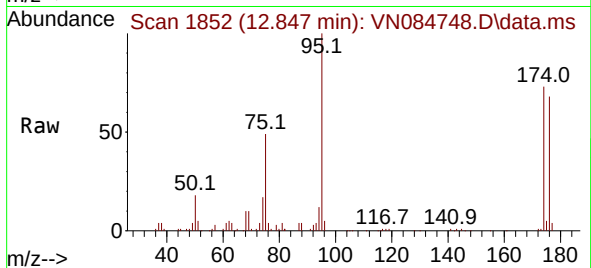




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.970 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084748.D
 Acq: 08 Nov 2024 14:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 63757
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: VN084748.D
 Acq: 08 Nov 2024 14:32

Tgt Ion:146 Resp: 183
 Ion Ratio Lower Upper
 146 100
 111 1035.0 21.2 63.6#
 148 362.3 31.9 95.9#

