

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084237.D
 Acq On : 01 Oct 2024 14:18
 Operator : JC\MD
 Sample : P4116-27DL 2X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20240918DL

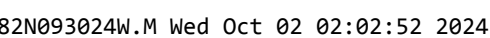
Quant Time: Oct 02 02:02:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

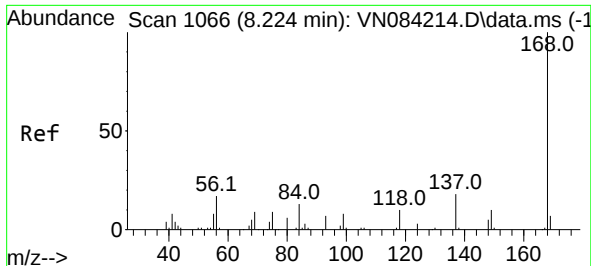
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	164804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119905	49.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.140%		
35) Dibromofluoromethane	8.165	113	92977	49.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.580%		
50) Toluene-d8	10.565	98	342052	49.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.580%		
62) 4-Bromofluorobenzene	12.847	95	108557	43.375	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.760%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	943	0.484	ug/l	86
3) Chloromethane	2.365	50	677	0.304	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	6117	3.180	ug/l #	86
12) 1,1-Dichloroethene	4.330	96	722	0.389	ug/l #	68
27) cis-1,2-Dichloroethene	7.500	96	1242	0.529	ug/l	84
30) Chloroform	7.971	83	1906	0.492	ug/l #	73
31) Cyclohexane	8.224	56	4024	1.112	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14740	5.435	ug/l #	50
38) Carbon Tetrachloride	8.230	117	18507	6.220	ug/l #	15
44) Trichloroethene	9.353	130	99484	50.405	ug/l	100
49) 1,4-Dioxane	9.694	88	348	8.713	ug/l #	74
51) 4-Methyl-2-Pentanone	10.565	43	1319	0.498	ug/l #	1
71) Bromoform	12.841	173	288	0.213	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57262	29.500	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57262	70.725	ug/l #	11

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

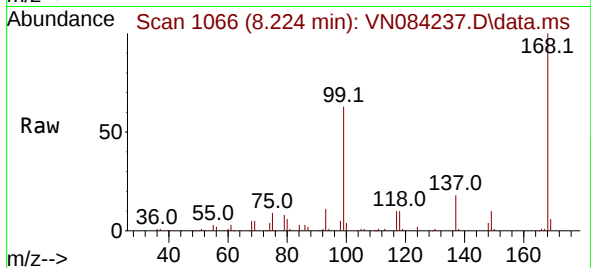
Quant Time: Oct 02 02:02:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



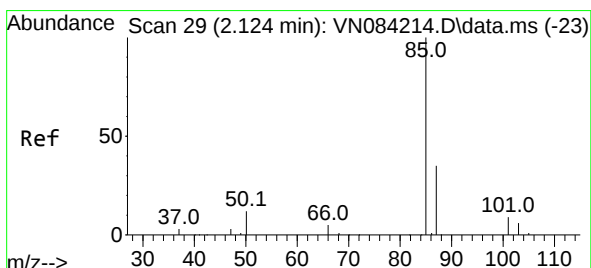
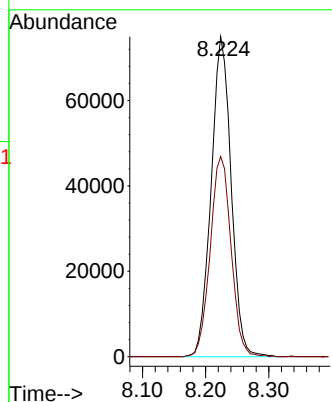
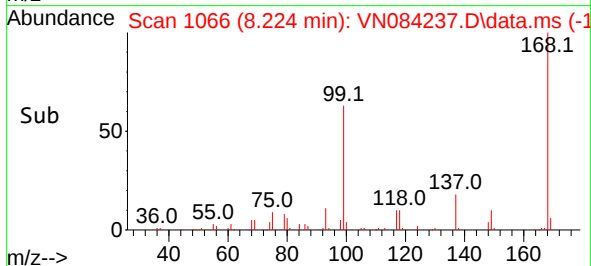


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918DL

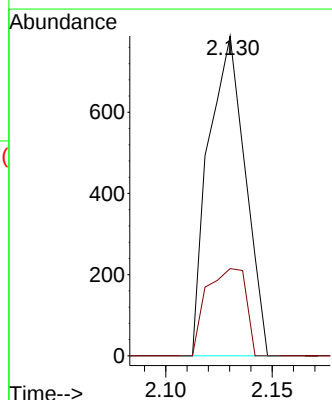
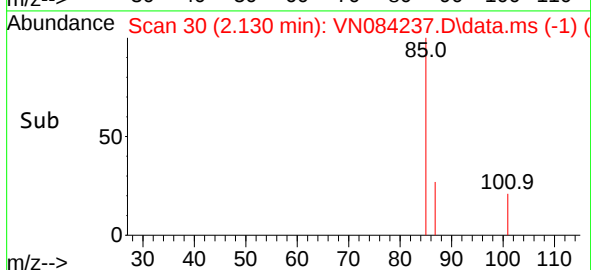
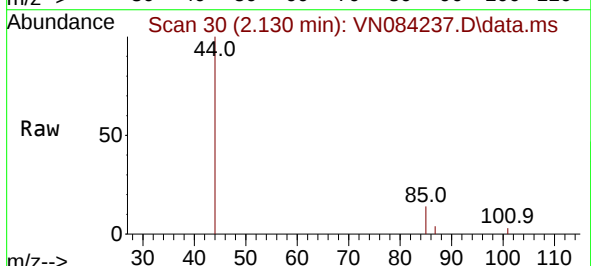


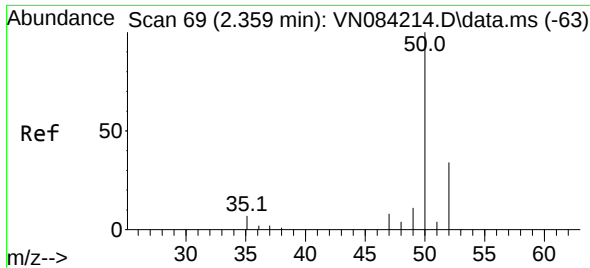
Tgt Ion:168 Resp: 164804
Ion Ratio Lower Upper
168 100
99 62.6 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.484 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

Tgt Ion: 85 Resp: 943
Ion Ratio Lower Upper
85 100
87 27.3 17.6 52.9

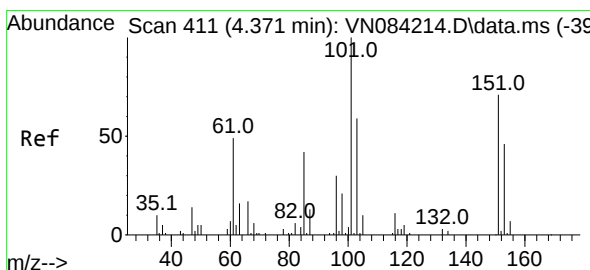
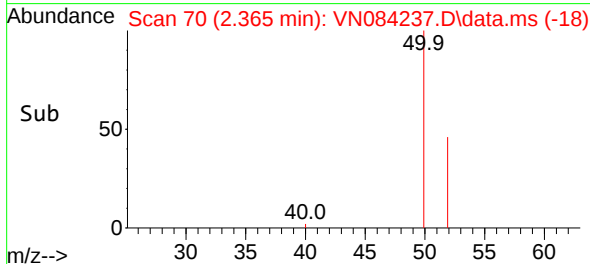
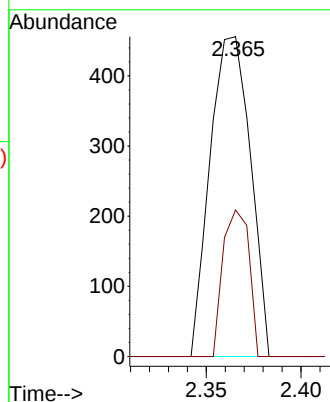
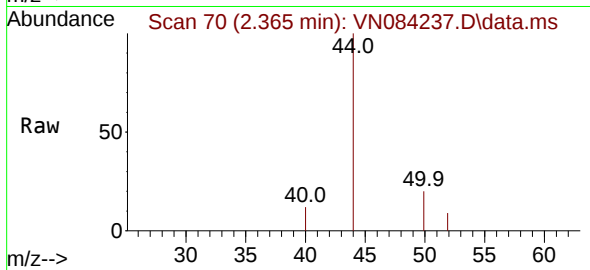




#3
Chloromethane
Concen: 0.304 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

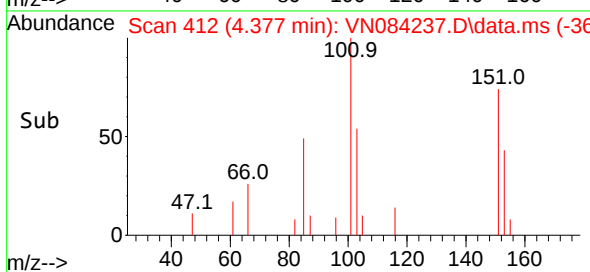
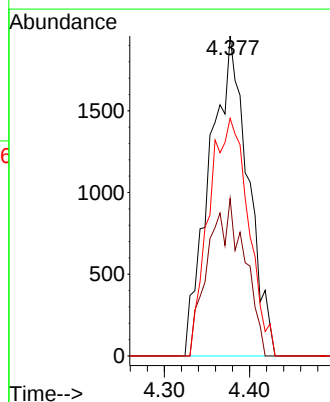
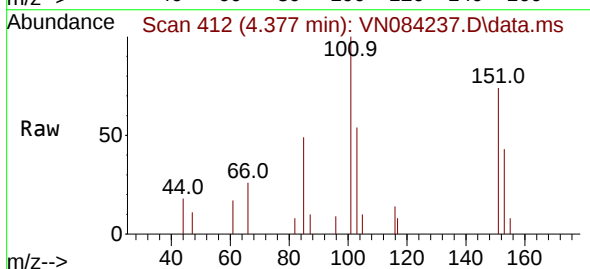
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918DL

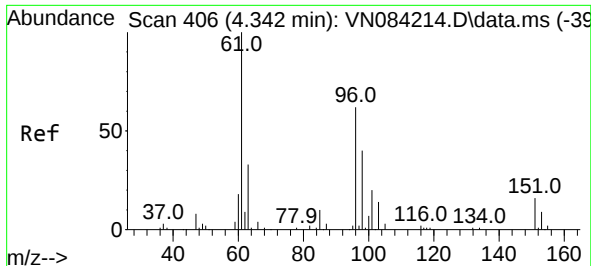
Tgt Ion: 50 Resp: 677
Ion Ratio Lower Upper
50 100
52 45.8 26.8 40.2#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.180 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

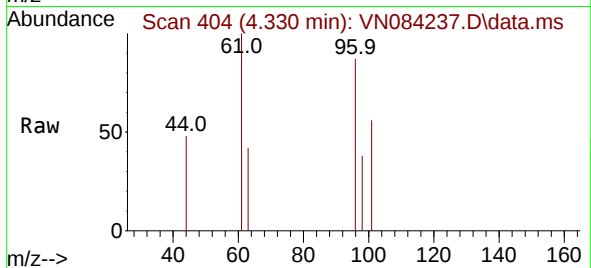
Tgt Ion: 101 Resp: 6117
Ion Ratio Lower Upper
101 100
85 23.9 36.2 54.4#
151 76.8 59.3 88.9





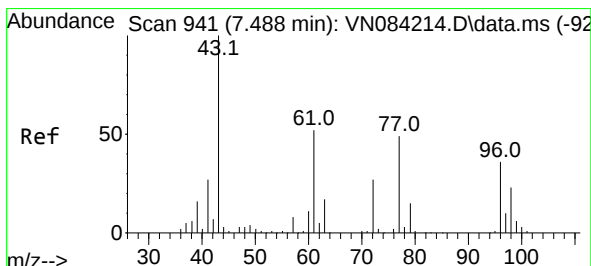
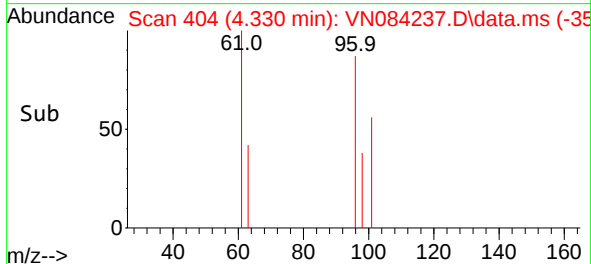
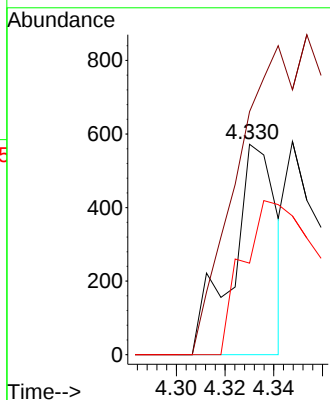
#12
 1,1-Dichloroethene
 Concen: 0.389 ug/l
 RT: 4.330 min Scan# 406
 Delta R.T. -0.012 min
 Lab File: VN084237.D
 Acq: 01 Oct 2024 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20240918DL



Tgt Ion: 96 Resp: 722

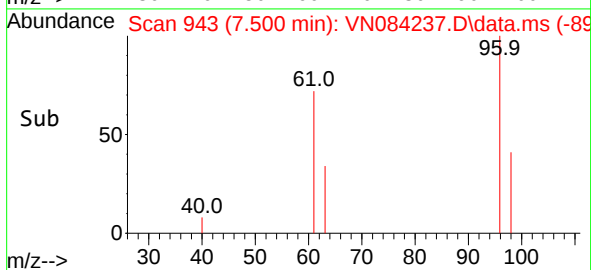
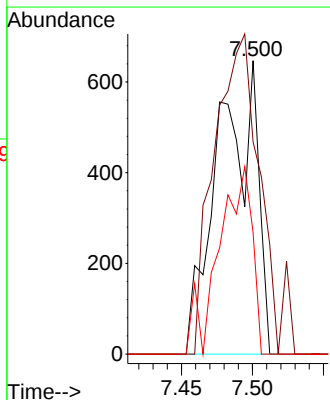
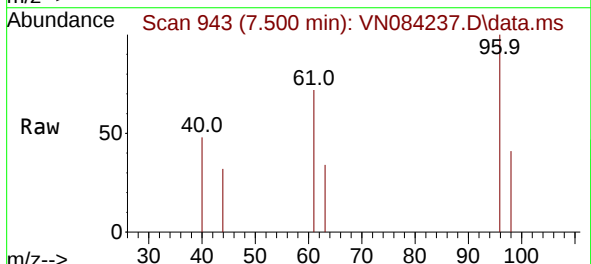
Ion	Ratio	Lower	Upper
96	100		
61	115.6	128.6	192.8#
98	43.5	51.7	77.5#

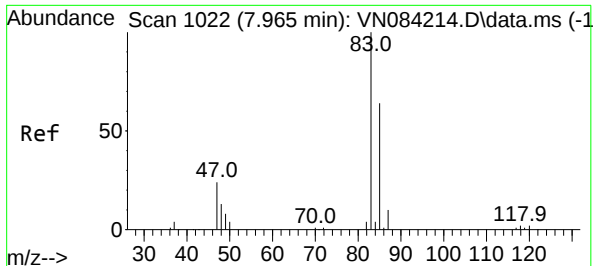


#27
 cis-1,2-Dichloroethene
 Concen: 0.529 ug/l
 RT: 7.500 min Scan# 943
 Delta R.T. 0.012 min
 Lab File: VN084237.D
 Acq: 01 Oct 2024 14:18

Tgt Ion: 96 Resp: 1242

Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	301.8
98	54.3	0.0	128.2





#30

Chloroform

Concen: 0.492 ug/l

RT: 7.971 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

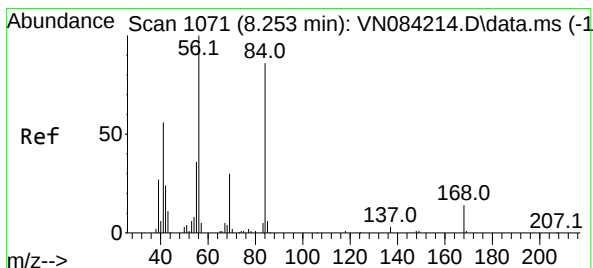
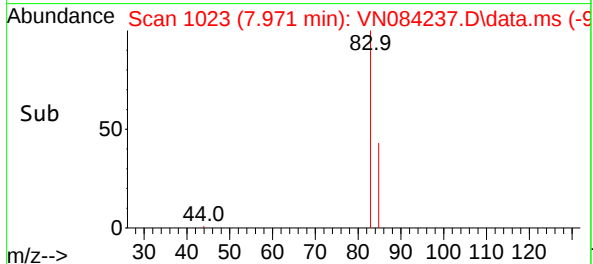
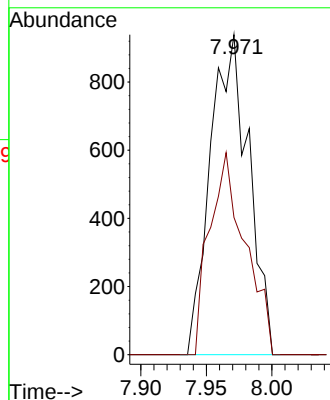
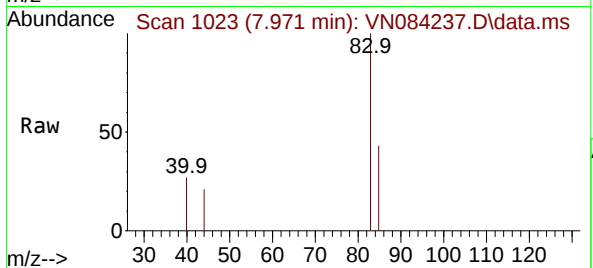
DUP05-20240918DL

Tgt Ion: 83 Resp: 1906

Ion Ratio Lower Upper

83 100

85 42.9 51.0 76.4#



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

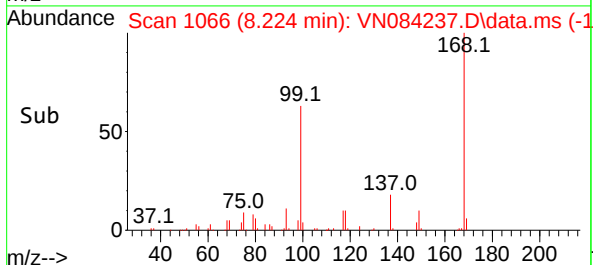
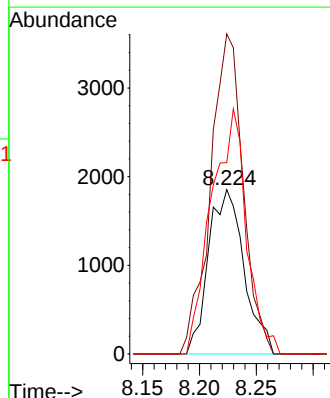
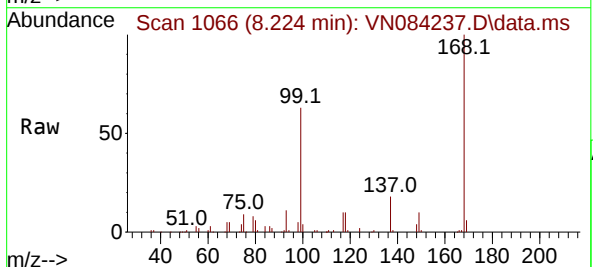
Tgt Ion: 56 Resp: 4024

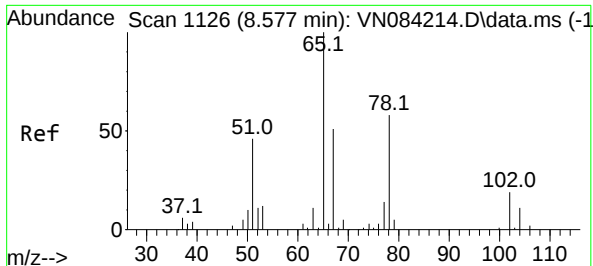
Ion Ratio Lower Upper

56 100

69 194.8 23.8 35.6#

84 116.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.070 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

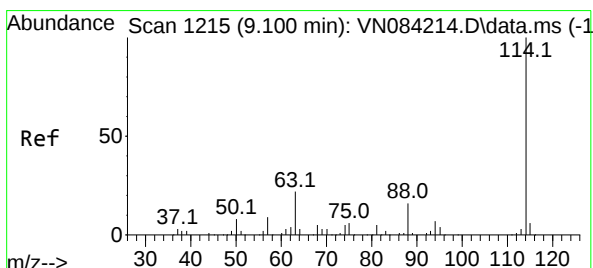
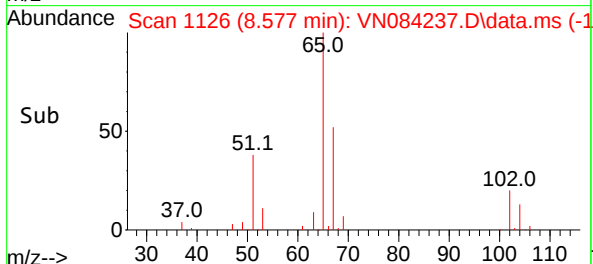
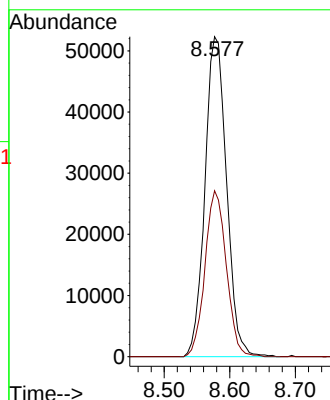
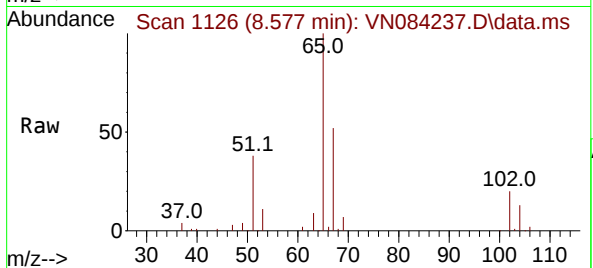
DUP05-20240918DL

Tgt Ion: 65 Resp: 119905

Ion Ratio Lower Upper

65 100

67 51.2 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: VN084237.D

Acq: 01 Oct 2024 14:18

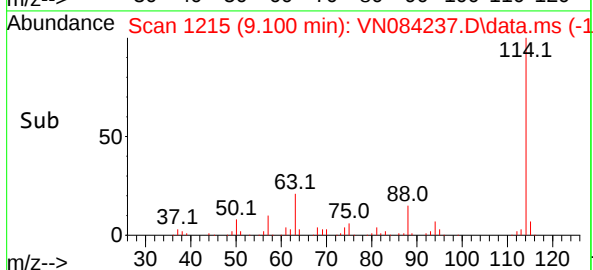
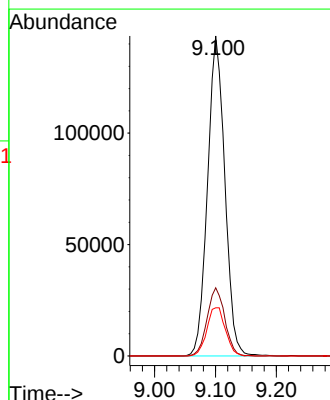
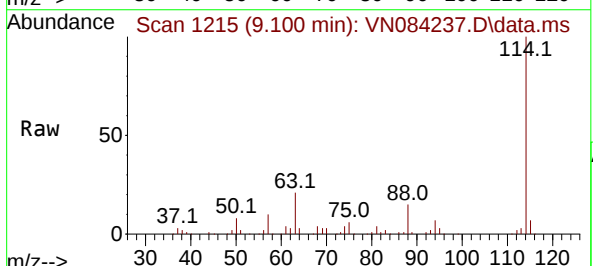
Tgt Ion: 114 Resp: 283234

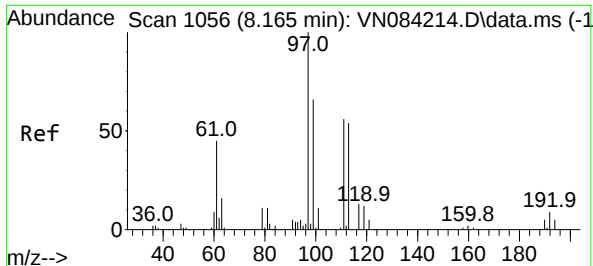
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 15.0 0.0 31.6

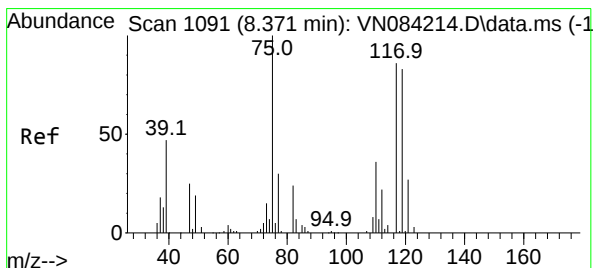
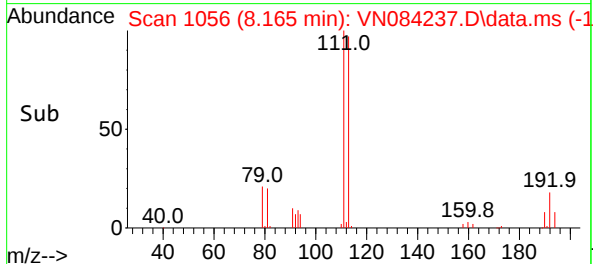
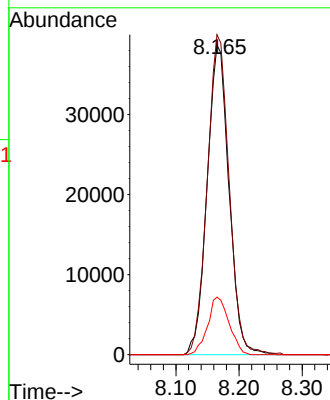
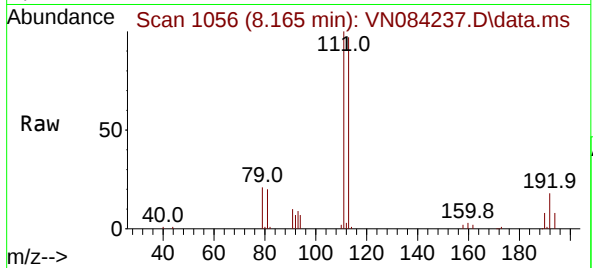




#35
Dibromofluoromethane
Concen: 49.793 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

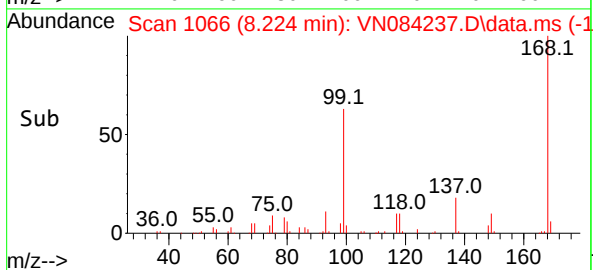
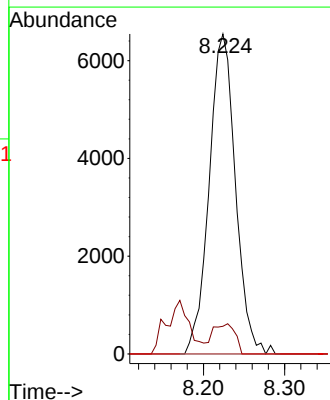
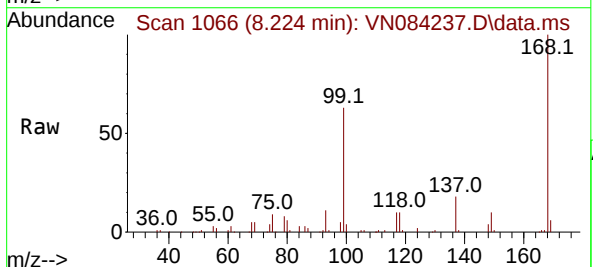
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918DL

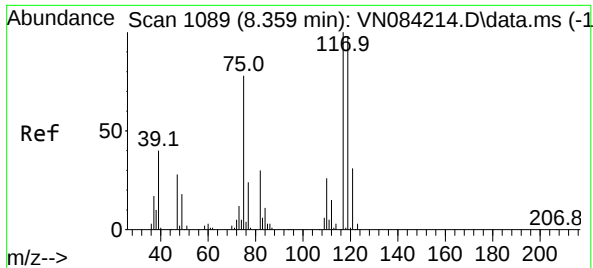
Tgt Ion:113 Resp: 92977
Ion Ratio Lower Upper
113 100
111 103.1 83.3 124.9
192 18.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.435 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

Tgt Ion: 75 Resp: 14740
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.7 37.1#

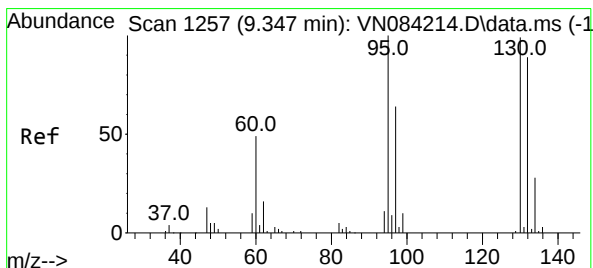
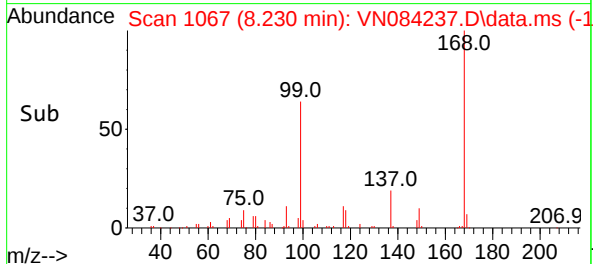
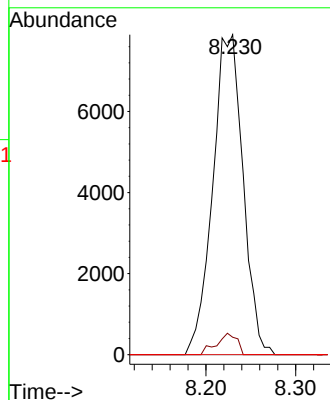
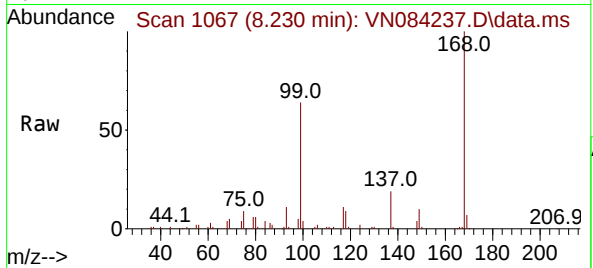




#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

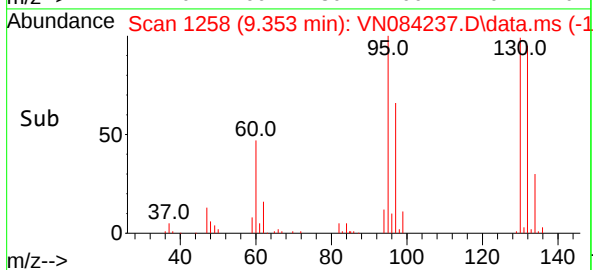
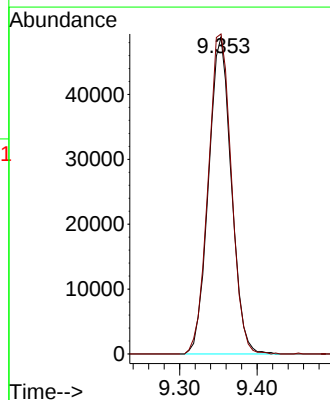
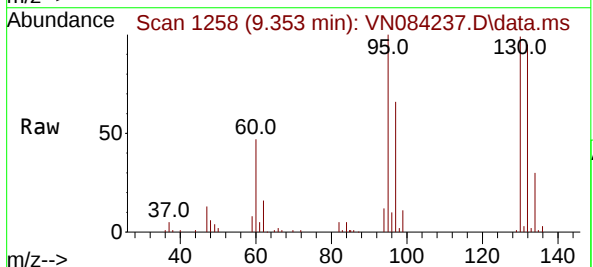
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20240918DL

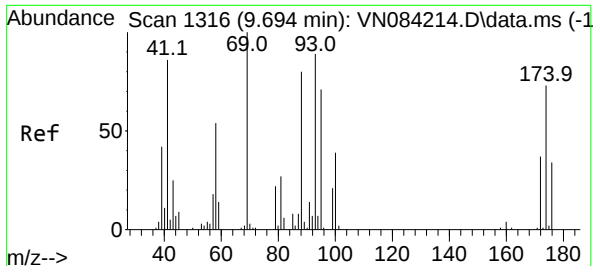
Tgt Ion:117 Resp: 18507
Ion Ratio Lower Upper
117 100
119 5.4 78.7 118.1#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 50.405 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084237.D
Acq: 01 Oct 2024 14:18

Tgt Ion:130 Resp: 99484
Ion Ratio Lower Upper
130 100
95 101.0 0.0 203.0





#49

1,4-Dioxane

Concen: 8.713 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN084237.D

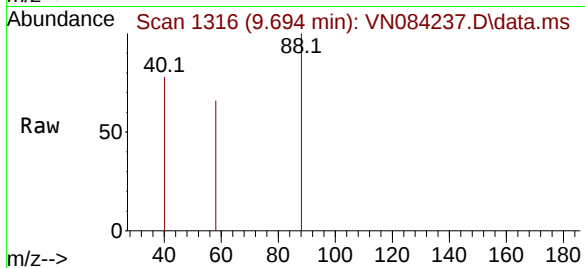
Acq: 01 Oct 2024 14:18

Instrument :

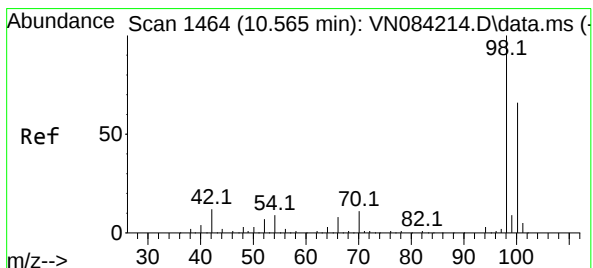
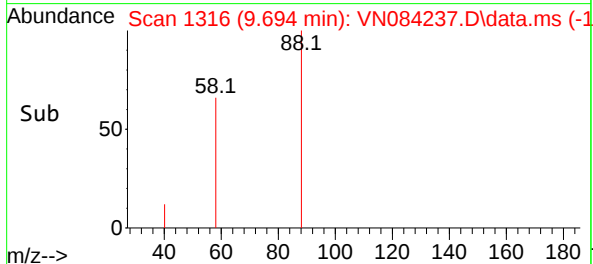
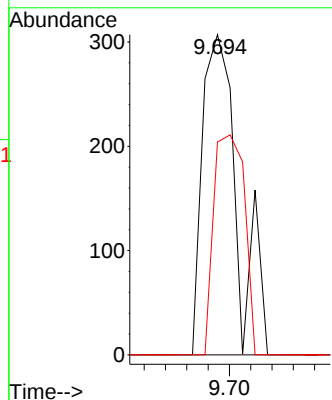
MSVOA_N

ClientSampleId :

DUP05-20240918DL



Tgt Ion:	88	Resp:	348
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	60.9	56.4	84.6



#50

Toluene-d8

Concen: 49.790 ug/l

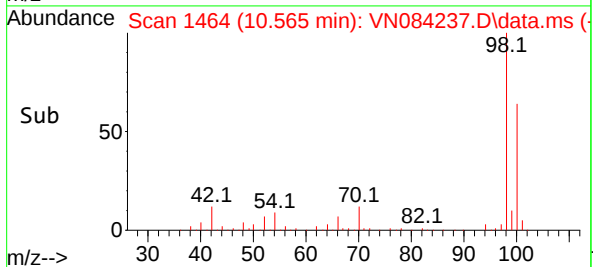
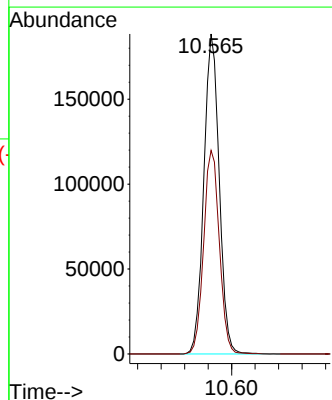
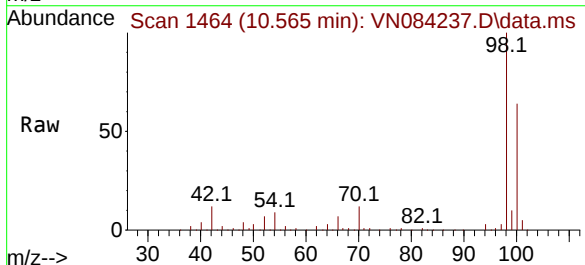
RT: 10.565 min Scan# 1464

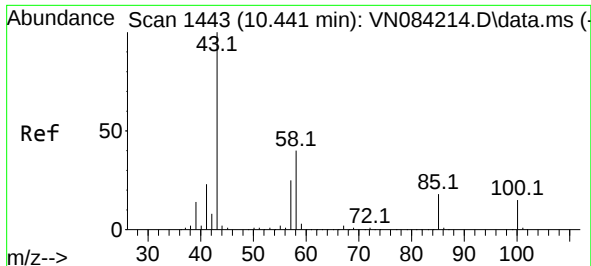
Delta R.T. 0.000 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

Tgt Ion:	98	Resp:	342052
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 0.498 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.124 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

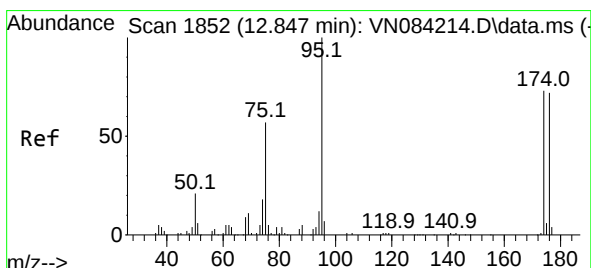
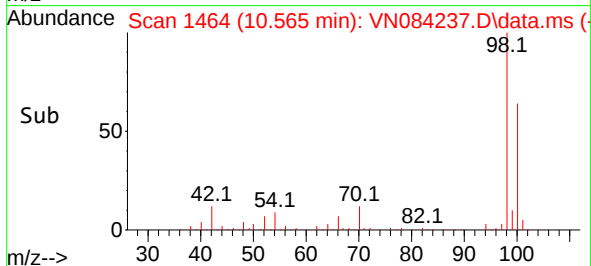
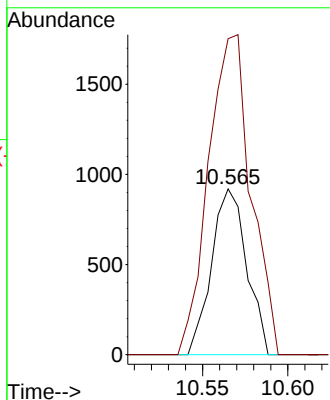
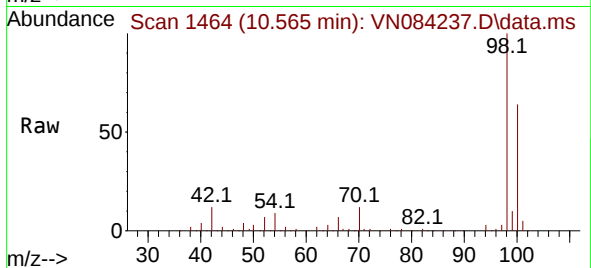
DUP05-20240918DL

Tgt Ion: 43 Resp: 1319

Ion Ratio Lower Upper

43 100

58 233.7 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 43.375 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

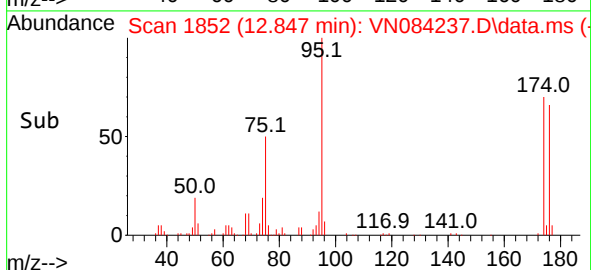
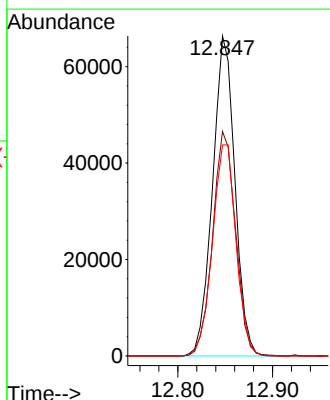
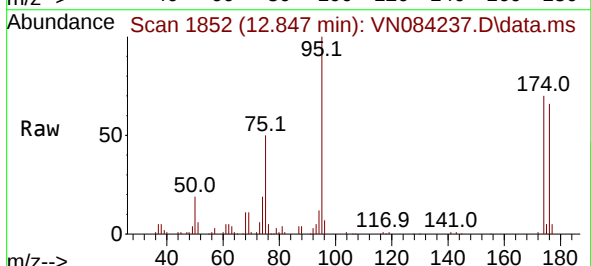
Tgt Ion: 95 Resp: 108557

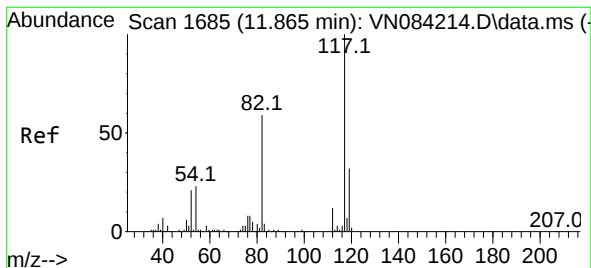
Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.2

176 69.8 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: VN084237.D

Acq: 01 Oct 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20240918DL

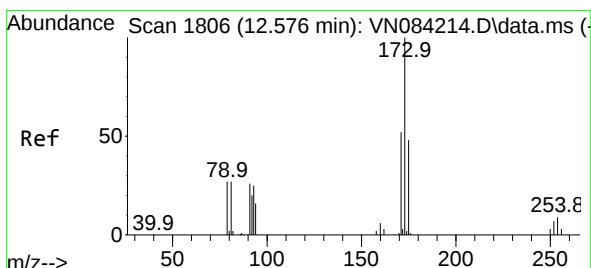
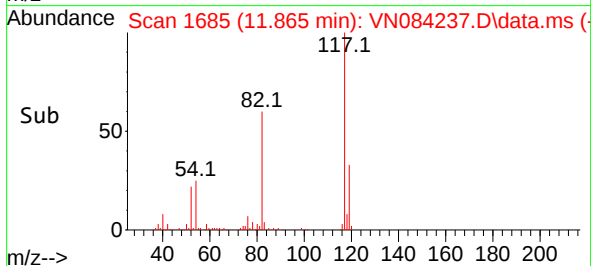
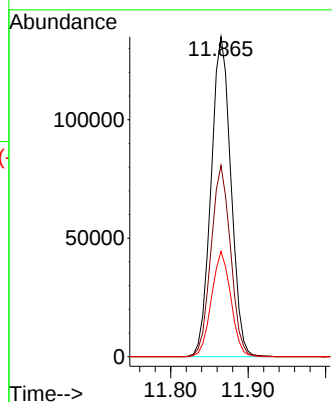
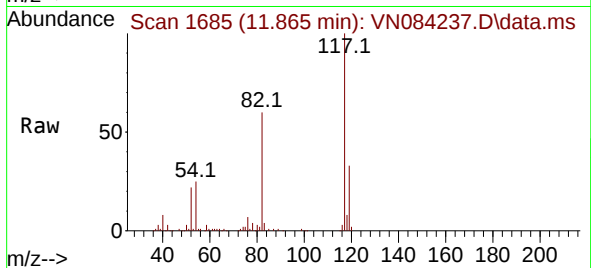
Tgt Ion:117 Resp: 240932

Ion Ratio Lower Upper

117 100

82 59.8 47.2 70.8

119 32.9 25.4 38.0



#71

Bromoform

Concen: 0.213 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN084237.D

Acq: 01 Oct 2024 14:18

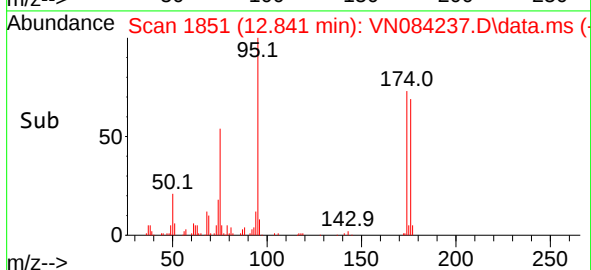
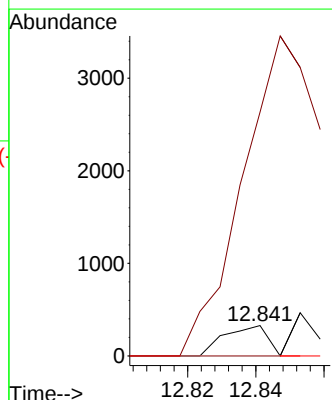
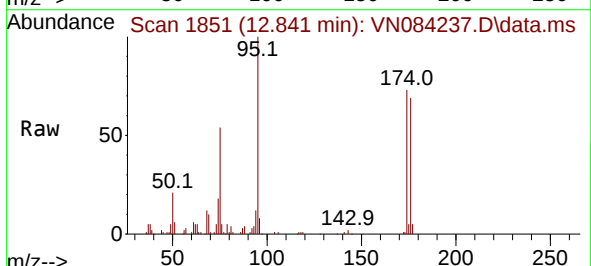
Tgt Ion:173 Resp: 288

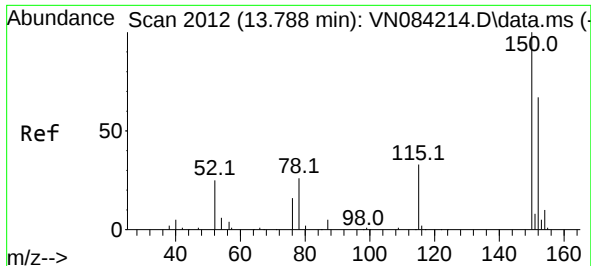
Ion Ratio Lower Upper

173 100

175 1505.6 23.5 70.6#

254 0.0 0.0 0.0

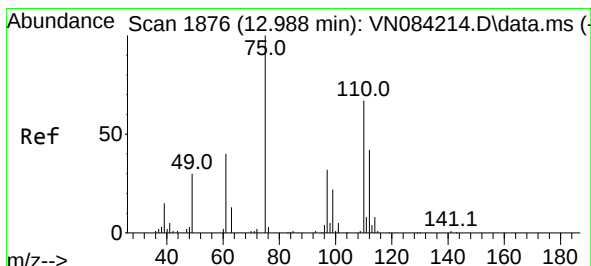
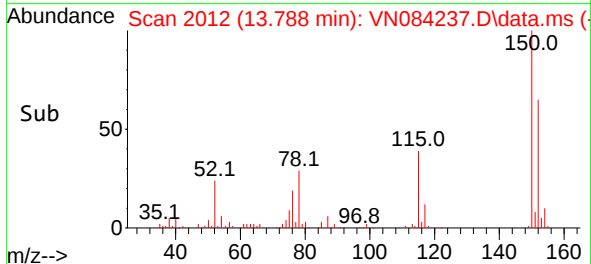
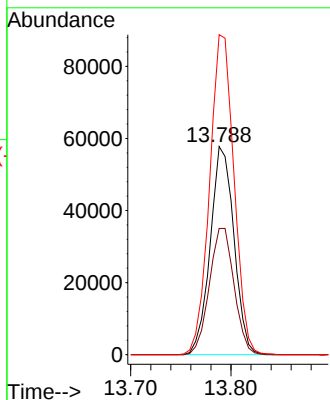
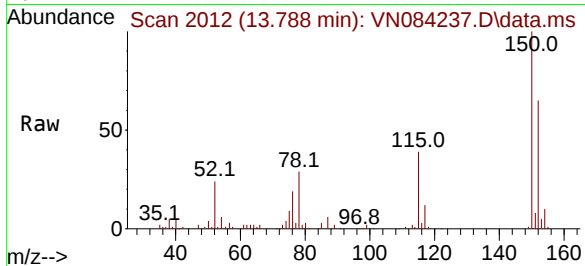




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084237.D
 Acq: 01 Oct 2024 14:18

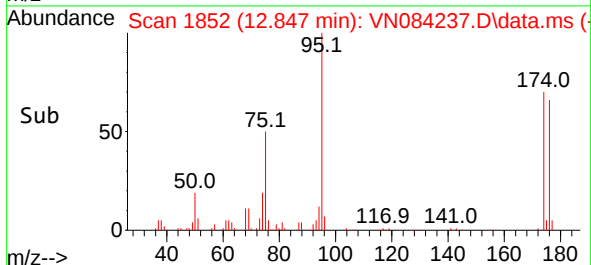
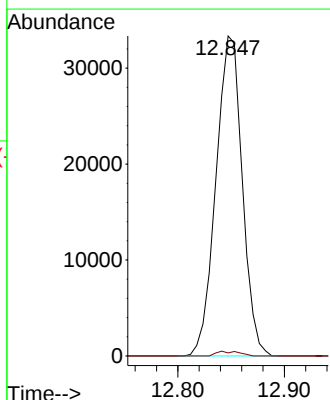
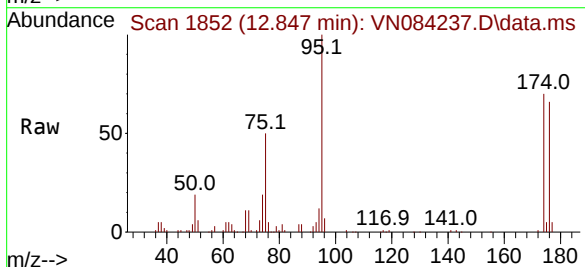
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20240918DL

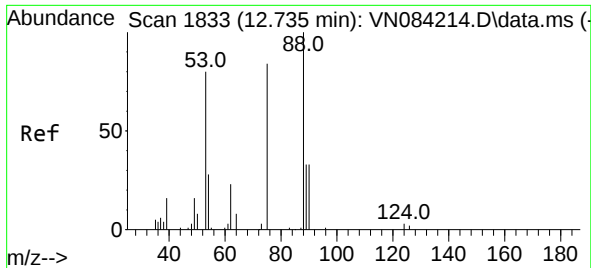
Tgt Ion:152 Resp: 95080
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.3 93.9
 150 157.9 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.500 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084237.D
 Acq: 01 Oct 2024 14:18

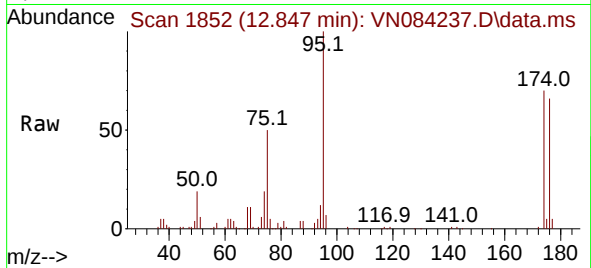
Tgt Ion: 75 Resp: 57262
 Ion Ratio Lower Upper
 75 100
 77 1.3 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.725 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084237.D
 Acq: 01 Oct 2024 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20240918DL



Tgt Ion: 75 Resp: 57262
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

