

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
 Data File : VN084228.D
 Acq On : 30 Sep 2024 19:42
 Operator : JC\MD
 Sample : P4116-27
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 07:16:27 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

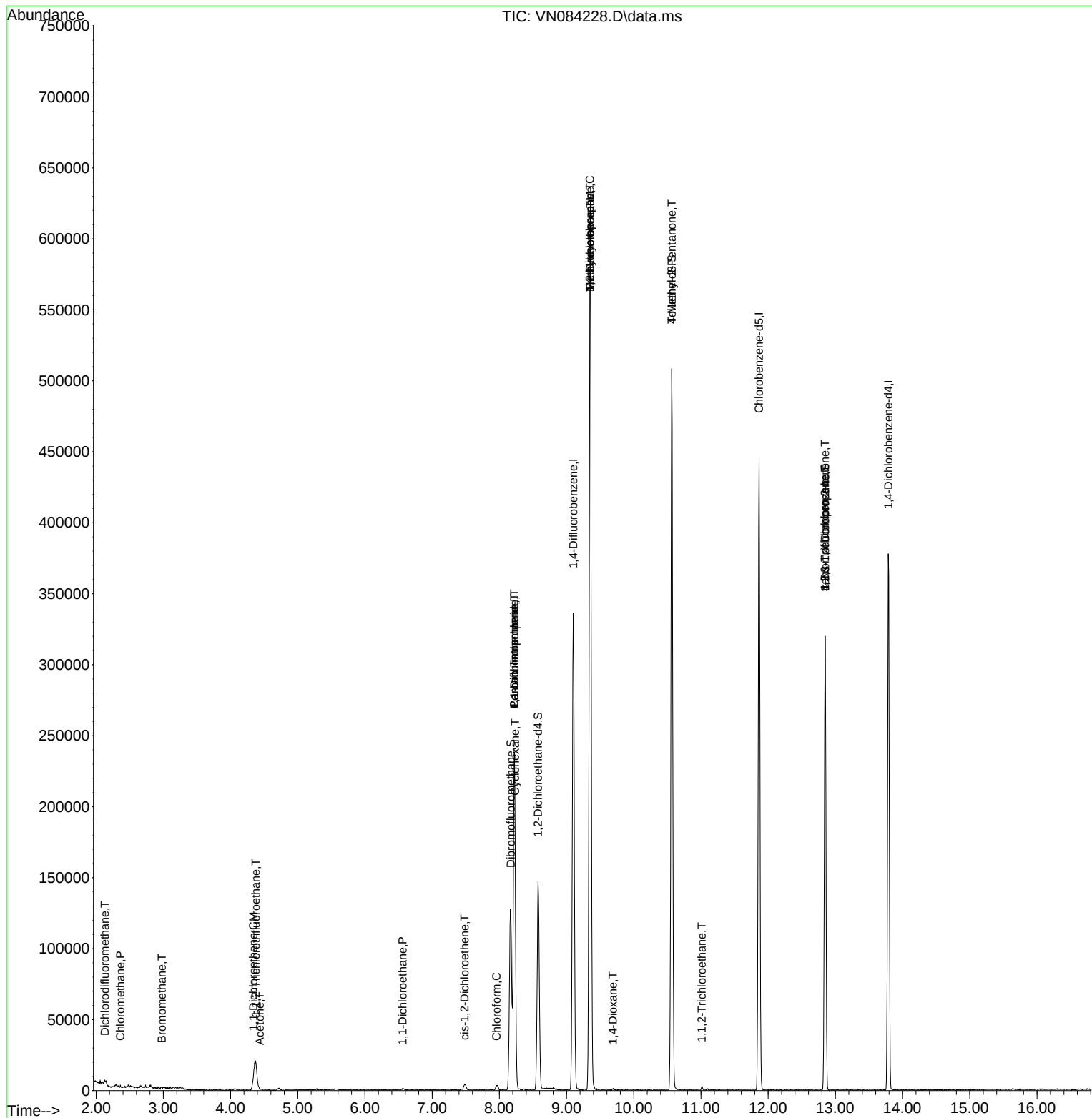
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120919	48.955	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.900%
35) Dibromofluoromethane	8.171	113	93714	49.787	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.580%
50) Toluene-d8	10.565	98	344192	49.702	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.847	95	111378	44.147	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	2020	1.025	ug/l	77
3) Chloromethane	2.359	50	748	0.332	ug/l	91
5) Bromomethane	2.977	94	346	0.241	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	4.377	101	13420	6.901	ug/l	100
12) 1,1-Dichloroethene	4.342	96	3300	1.759	ug/l #	88
16) Acetone	4.436	43	1204	1.135	ug/l #	44
24) 1,1-Dichloroethane	6.559	63	1651	0.438	ug/l #	83
27) cis-1,2-Dichloroethene	7.483	96	2662	1.121	ug/l	89
30) Chloroform	7.959	83	3937	1.006	ug/l	91
31) Cyclohexane	8.235	56	4247	1.161	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15245	5.576	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18664	6.223	ug/l #	15
39) Methylcyclohexane	9.347	83	2936	0.965	ug/l #	1
44) Trichloroethene	9.353	130	221254	111.206	ug/l	98
45) 1,2-Dichloropropane	9.347	63	827	0.410	ug/l #	1
49) 1,4-Dioxane	9.688	88	766	19.025	ug/l #	89
51) 4-Methyl-2-Pentanone	10.565	43	1616	0.605	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	780	0.419	ug/l #	71
76) 1,2,3-Trichloropropane	12.847	75	61171	29.686	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61171	71.171	ug/l #	11

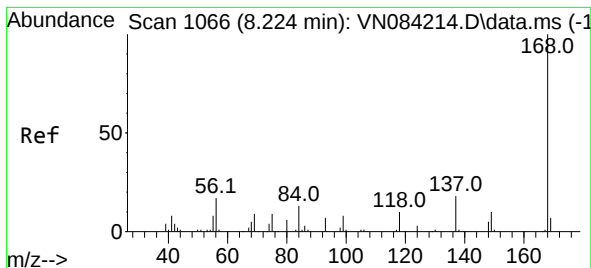
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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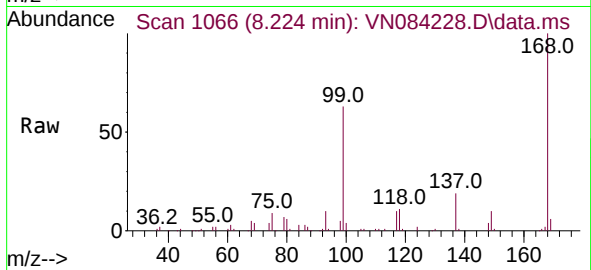
Quant Time: Oct 01 07:16:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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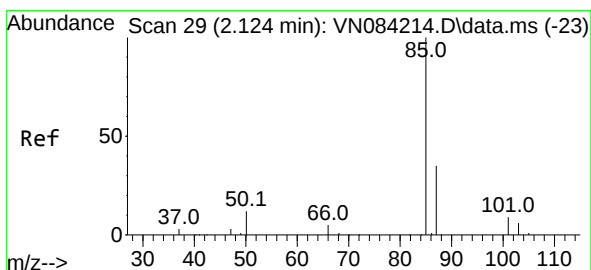
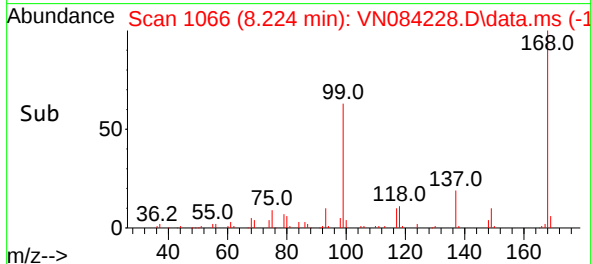
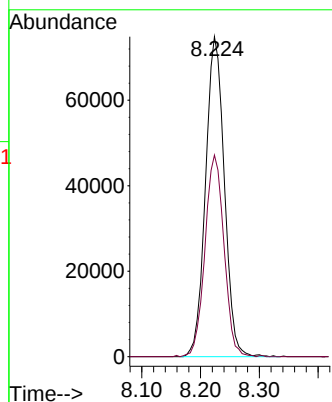


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

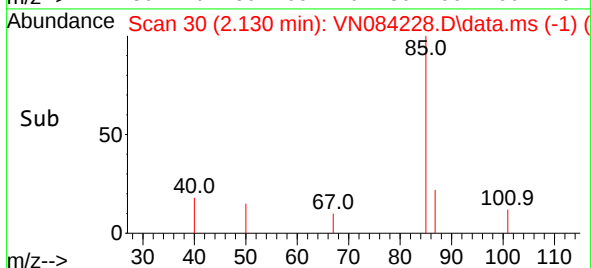
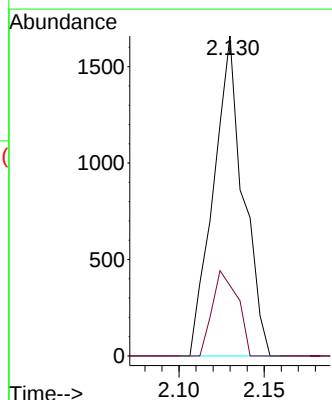
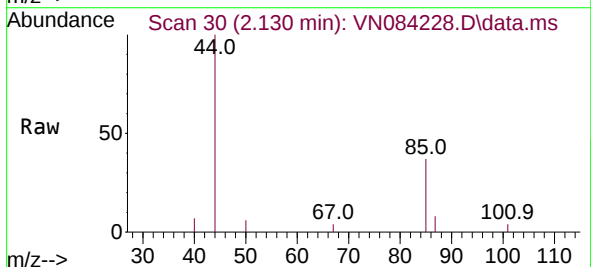


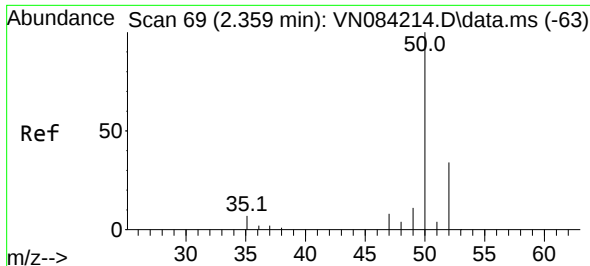
Tgt Ion:168 Resp: 166591
Ion Ratio Lower Upper
168 100
99 63.0 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 1.025 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

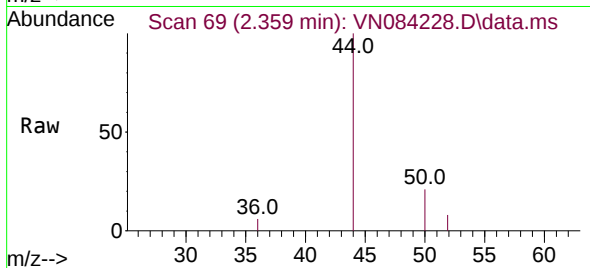
Tgt Ion: 85 Resp: 2020
Ion Ratio Lower Upper
85 100
87 22.0 17.6 52.9



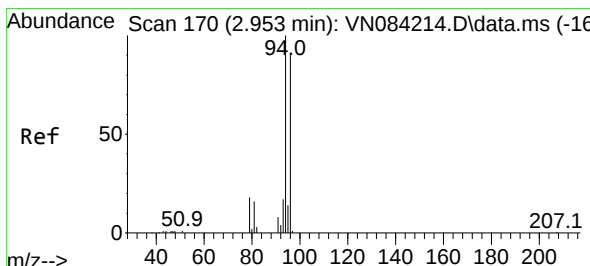
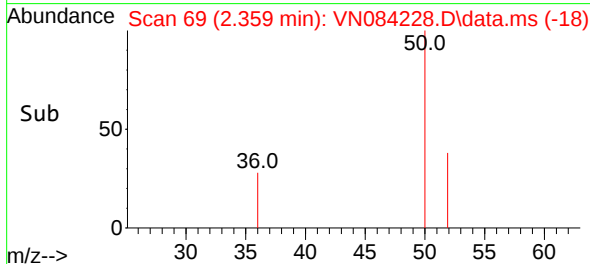
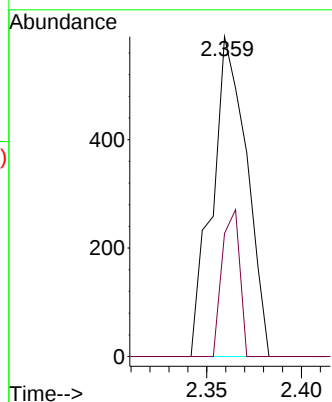


#3
Chloromethane
Concen: 0.332 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

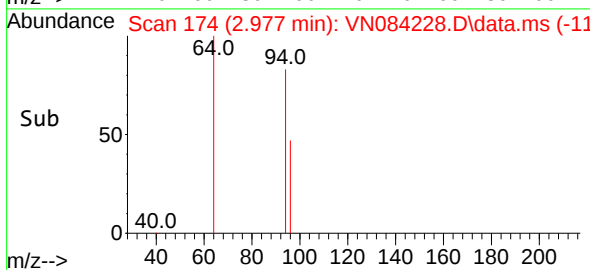
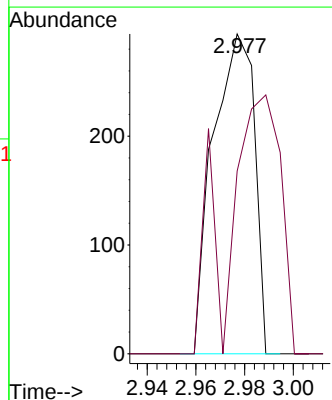
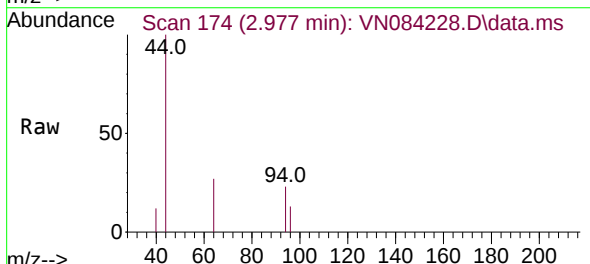


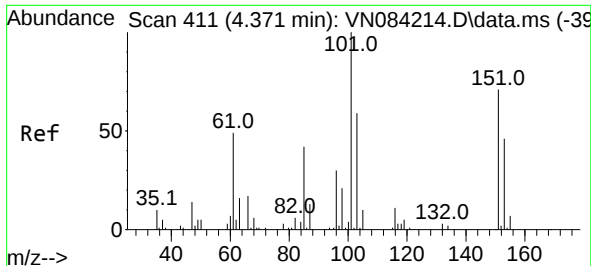
Tgt Ion: 50 Resp: 748
Ion Ratio Lower Upper
50 100
52 38.5 26.8 40.2



#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

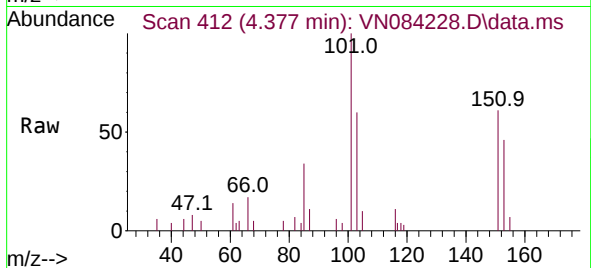
Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 57.1 72.9 109.3#



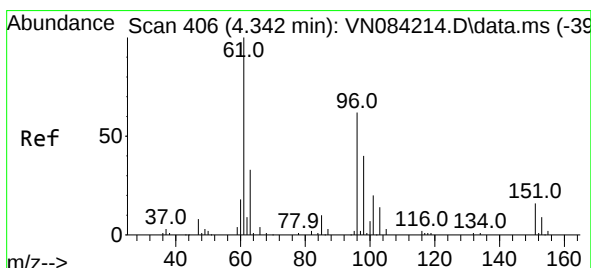
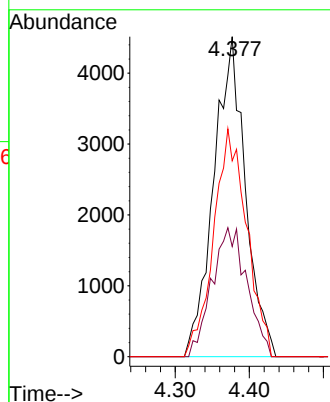
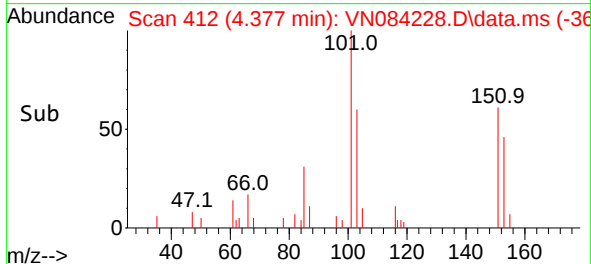


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.901 ug/l
 RT: 4.377 min Scan# 411
 Delta R.T. 0.006 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

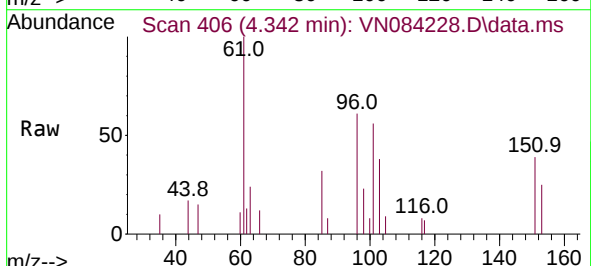
Instrument :
 MSVOA_N
 ClientSampleId :



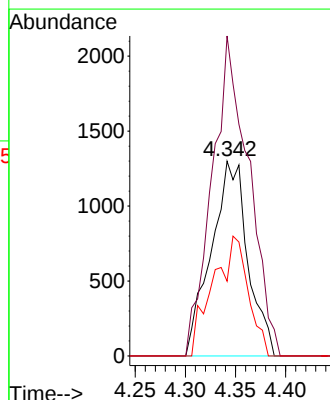
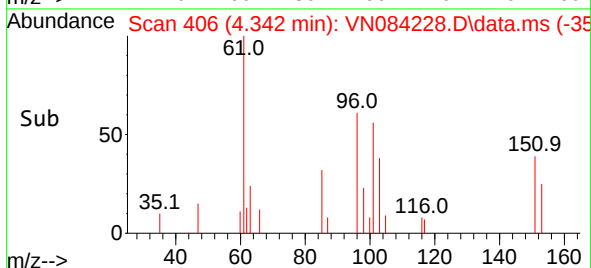
Tgt Ion:101 Resp: 13420
 Ion Ratio Lower Upper
 101 100
 85 44.6 36.2 54.4
 151 74.2 59.3 88.9

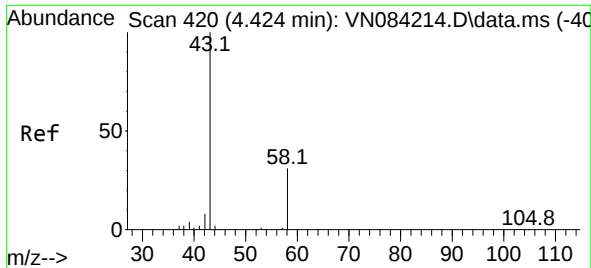


#12
 1,1-Dichloroethene
 Concen: 1.759 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42



Tgt Ion: 96 Resp: 3300
 Ion Ratio Lower Upper
 96 100
 61 164.4 128.6 192.8
 98 38.4 51.7 77.5#

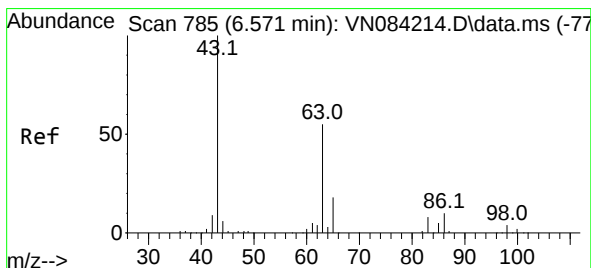
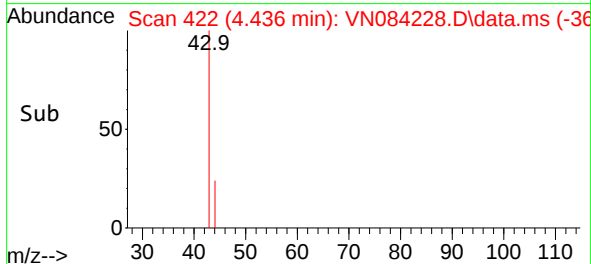
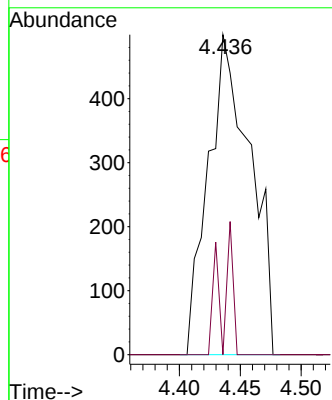
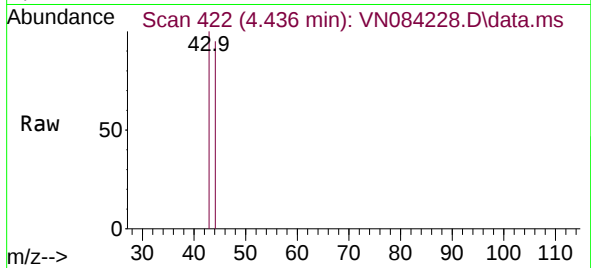




#16
Acetone
Concen: 1.135 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

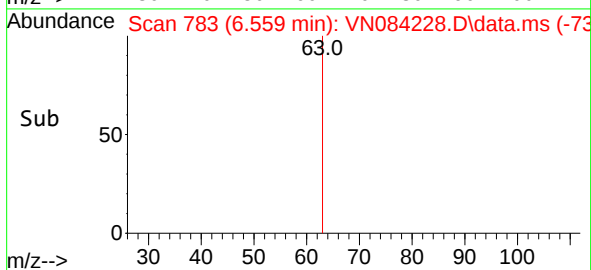
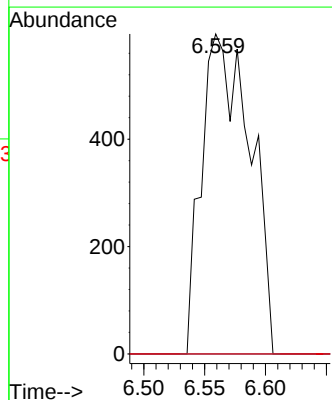
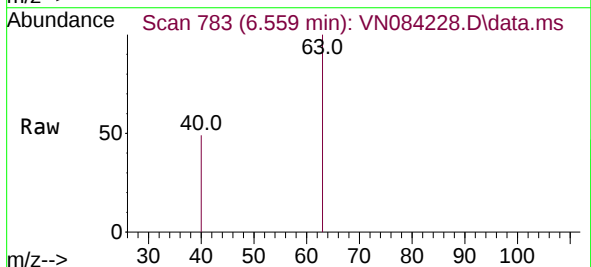
Instrument :
MSVOA_N
ClientSampleId :

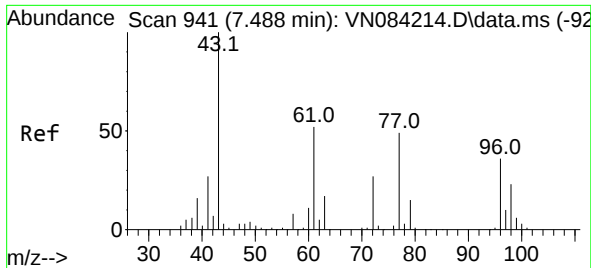
Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#24
1,1-Dichloroethane
Concen: 0.438 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 63 Resp: 1651
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#



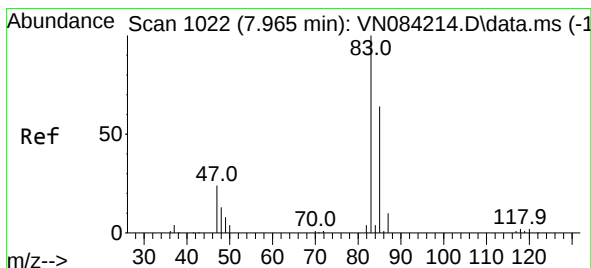
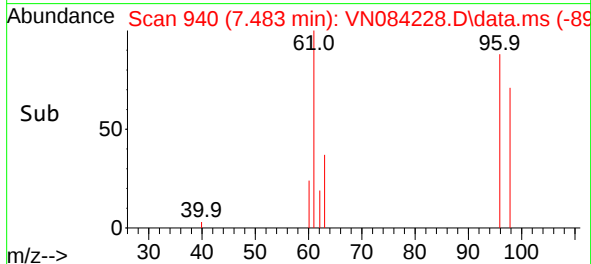
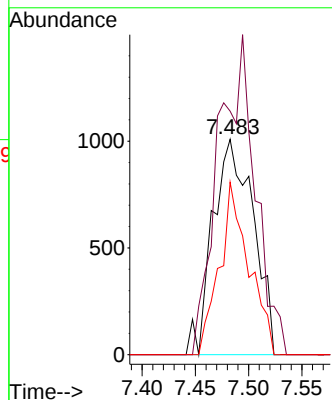
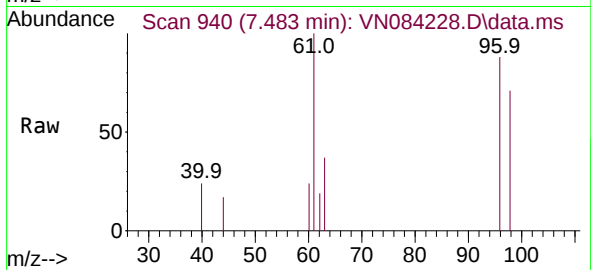


#27
 cis-1,2-Dichloroethene
 Concen: 1.121 ug/l
 RT: 7.483 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 96 Resp: 2662

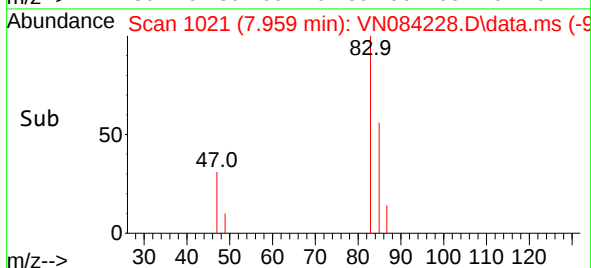
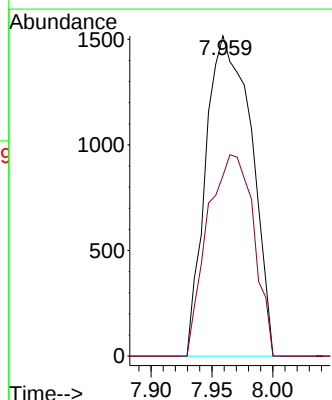
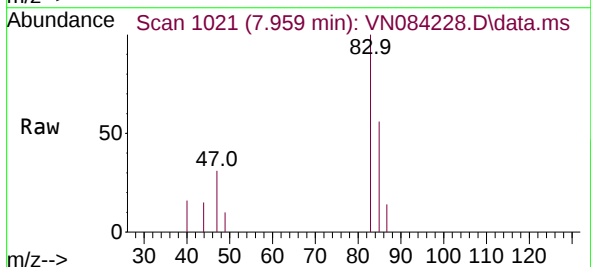
Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	301.8
98	58.3	0.0	128.2

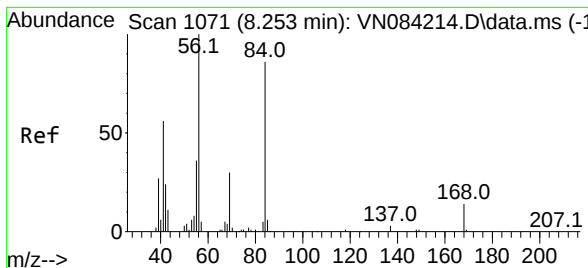


#30
 Chloroform
 Concen: 1.006 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. -0.006 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

Tgt Ion: 83 Resp: 3937

Ion	Ratio	Lower	Upper
83	100		
85	56.3	51.0	76.4





#31

Cyclohexane

Concen: 1.161 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.018 min

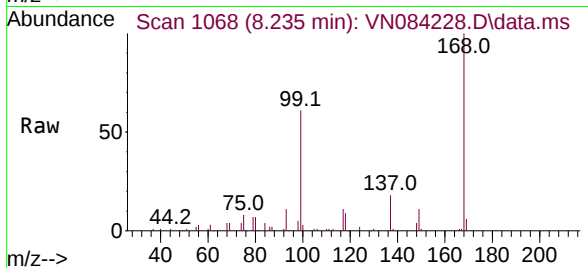
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Instrument :

MSVOA_N

ClientSampleId :



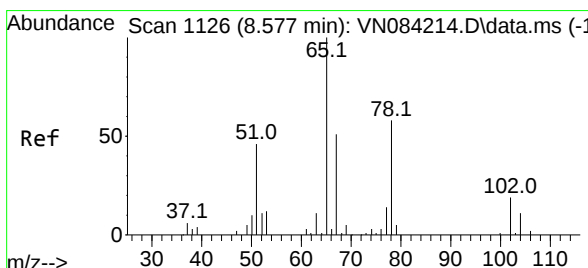
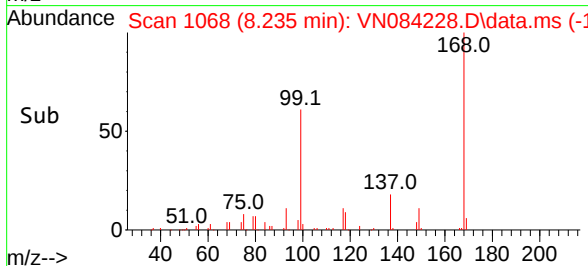
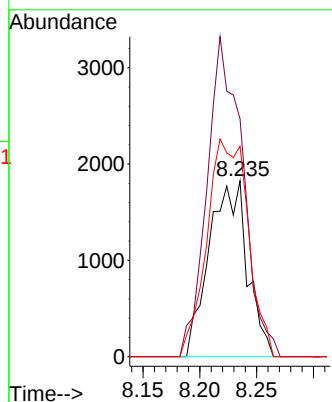
Tgt Ion: 56 Resp: 4247

Ion Ratio Lower Upper

56 100

69 135.4 23.8 35.6#

84 119.8 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 48.955 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084228.D

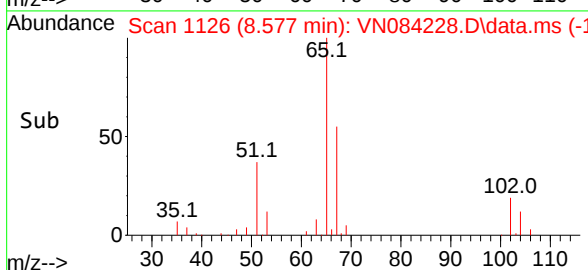
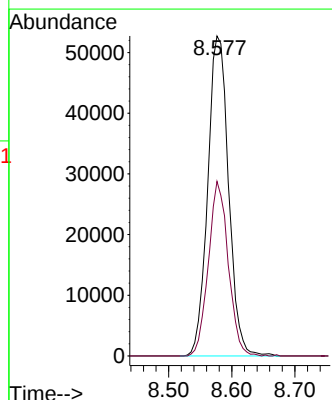
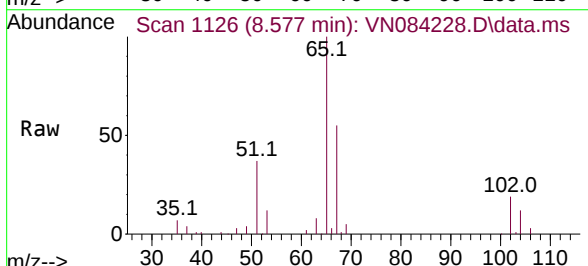
Acq: 30 Sep 2024 19:42

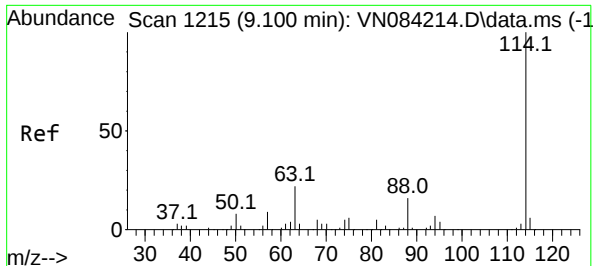
Tgt Ion: 65 Resp: 120919

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

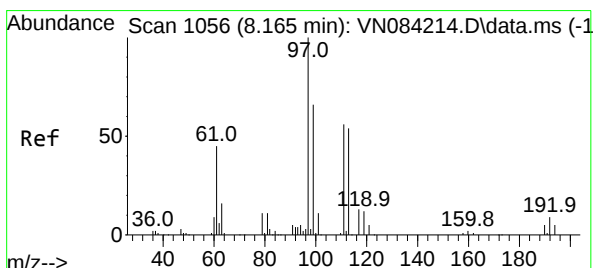
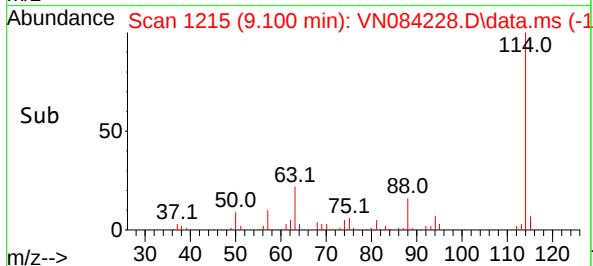
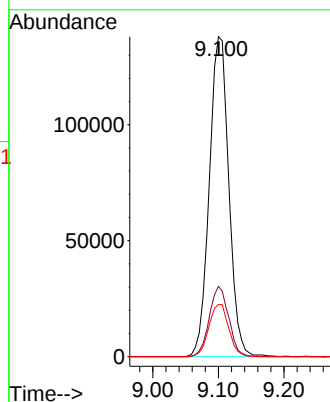
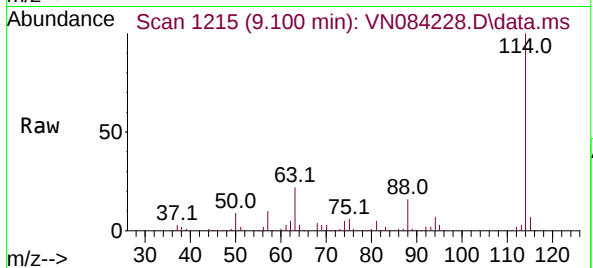
Tgt Ion:114 Resp: 285515

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.787 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

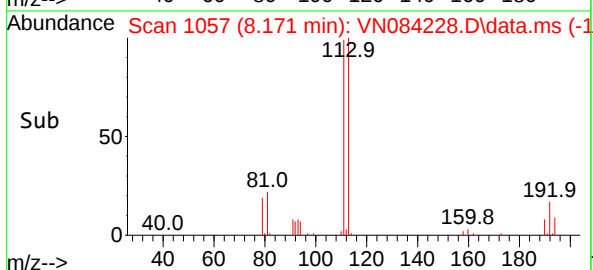
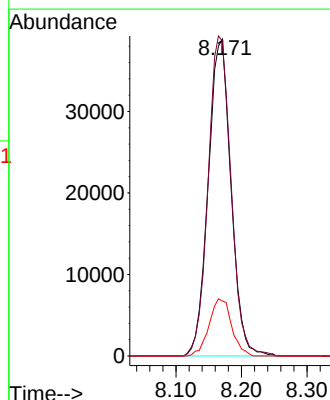
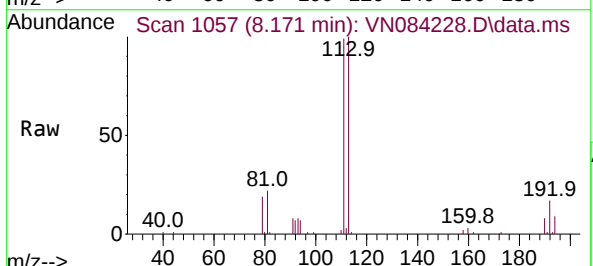
Tgt Ion:113 Resp: 93714

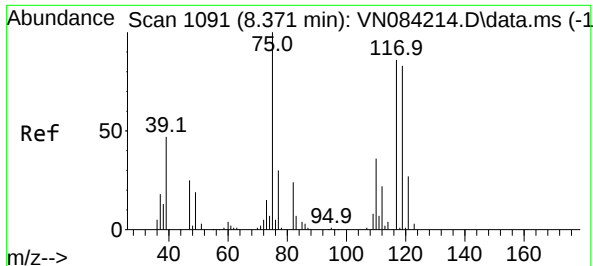
Ion Ratio Lower Upper

113 100

111 101.4 83.3 124.9

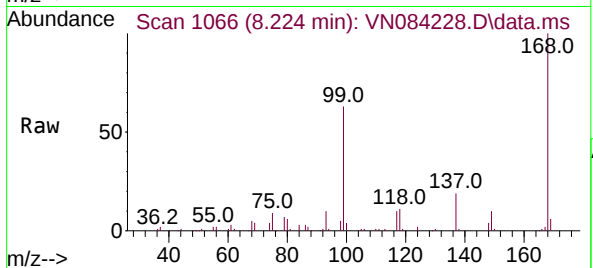
192 17.9 13.5 20.3



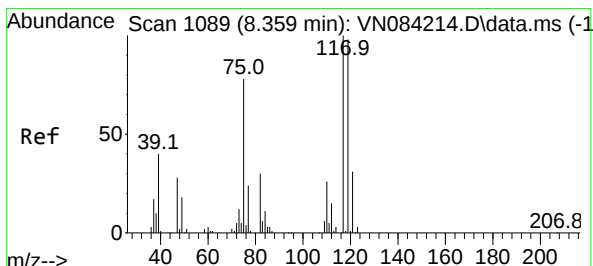
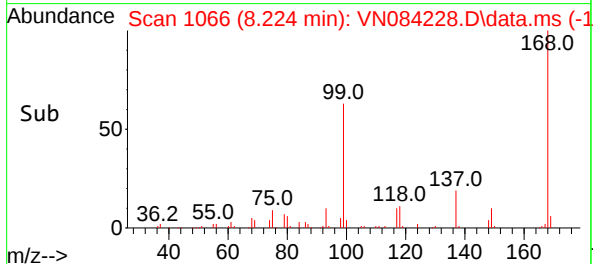
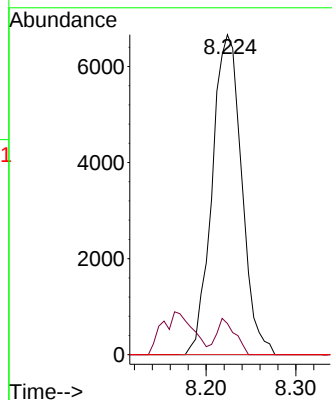


#36
1,1-Dichloropropene
Concen: 5.576 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

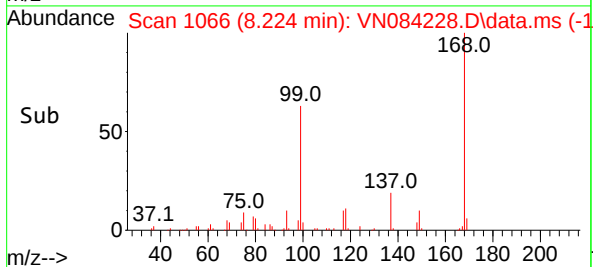
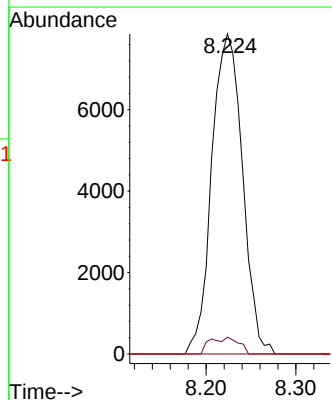
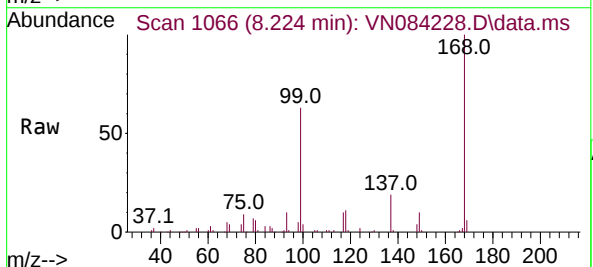


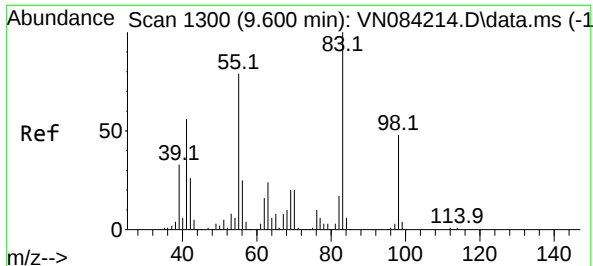
Tgt Ion: 75 Resp: 15245
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 117 Resp: 18664
Ion Ratio Lower Upper
117 100
119 5.3 78.7 118.1#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.965 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

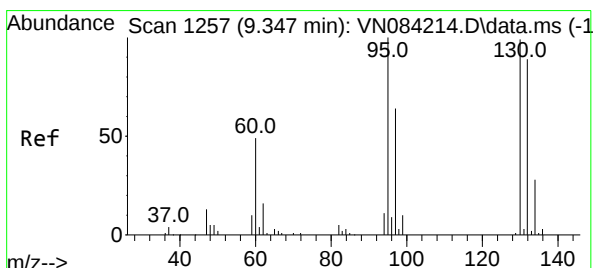
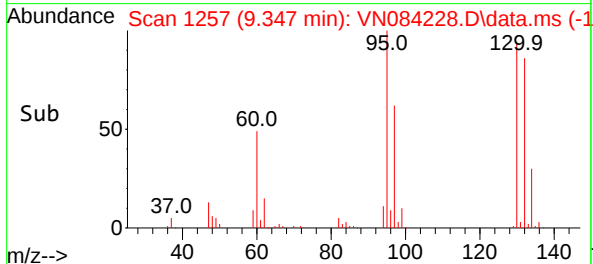
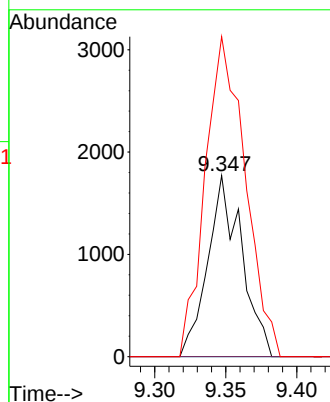
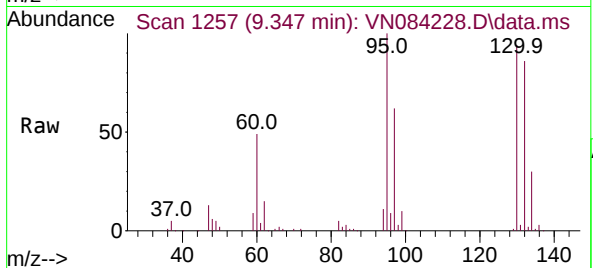
Tgt Ion: 83 Resp: 2936

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 176.7 38.8 58.2#



#44

Trichloroethene

Concen: 111.206 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084228.D

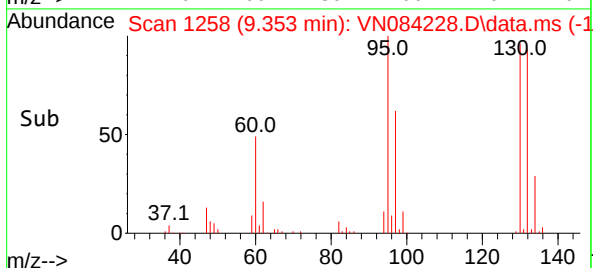
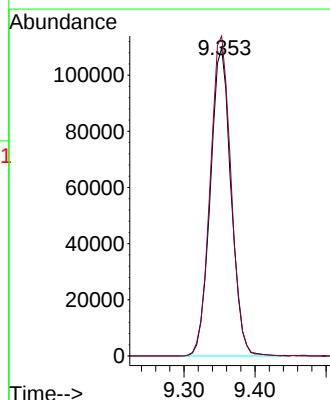
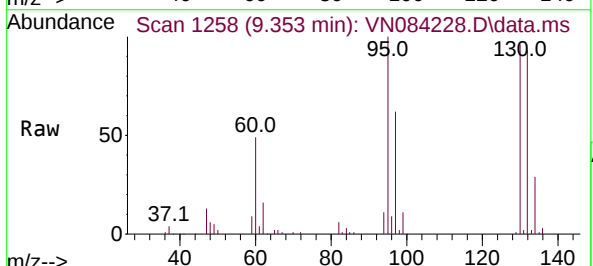
Acq: 30 Sep 2024 19:42

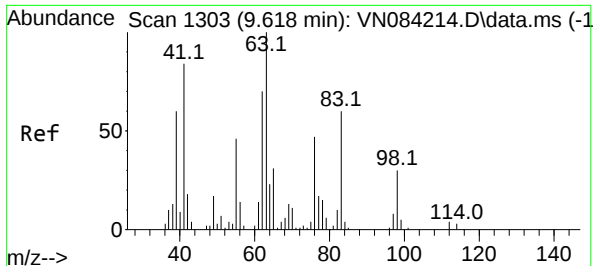
Tgt Ion:130 Resp: 221254

Ion Ratio Lower Upper

130 100

95 103.9 0.0 203.0





#45

1,2-Dichloropropane

Concen: 0.410 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

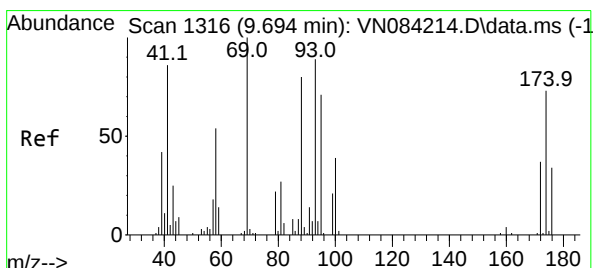
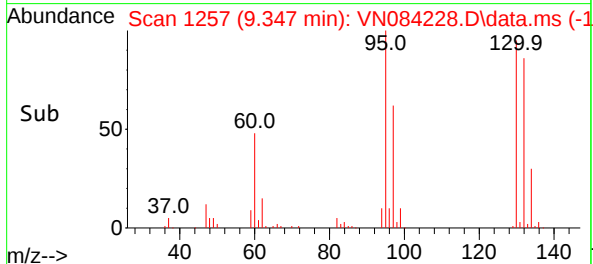
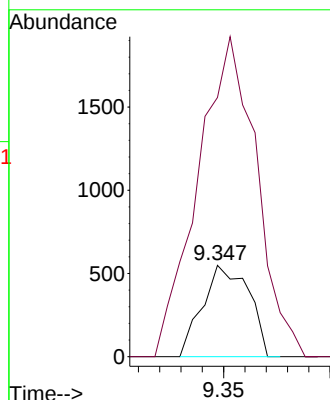
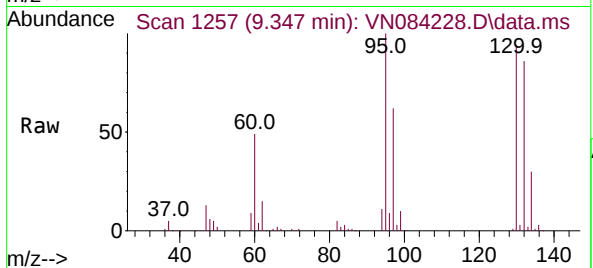
ClientSampleId :

Tgt Ion: 63 Resp: 827

Ion Ratio Lower Upper

63 100

65 235.7 24.6 37.0#



#49

1,4-Dioxane

Concen: 19.025 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN084228.D

Acq: 30 Sep 2024 19:42

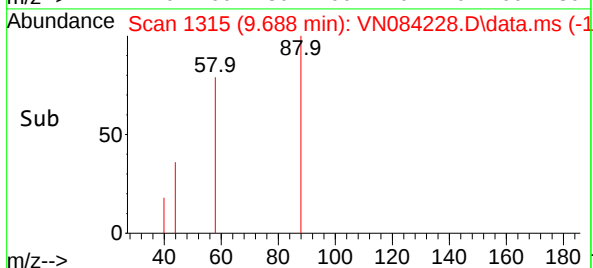
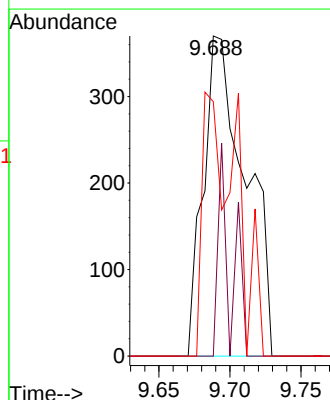
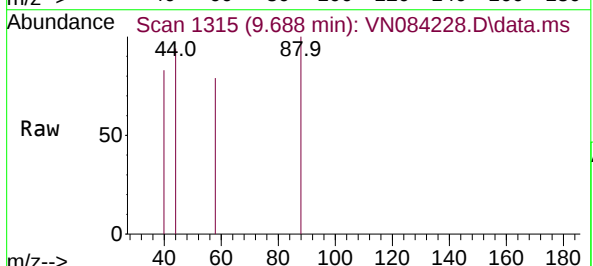
Tgt Ion: 88 Resp: 766

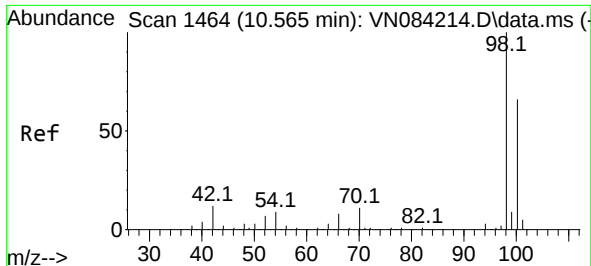
Ion Ratio Lower Upper

88 100

43 19.6 25.3 37.9#

58 65.9 56.4 84.6

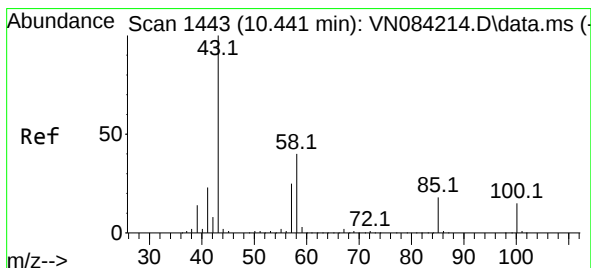
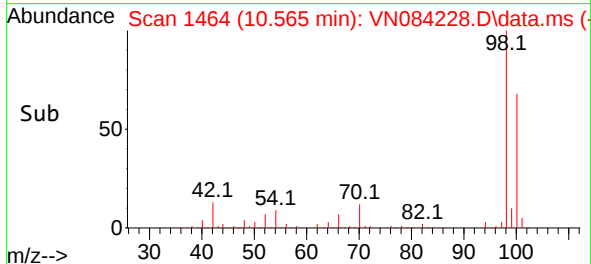
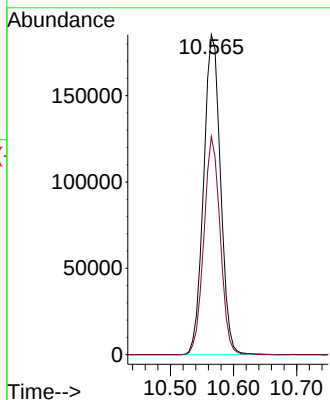
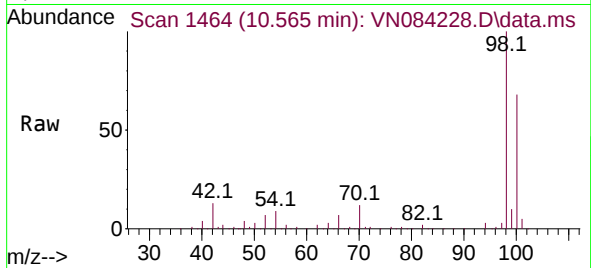




#50
Toluene-d8
Concen: 49.702 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

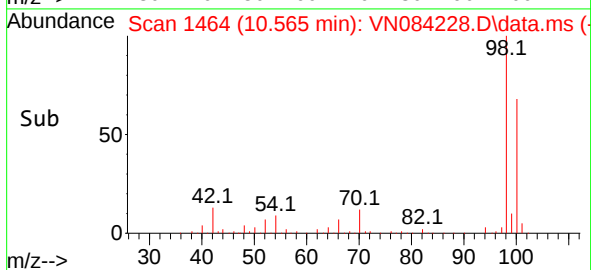
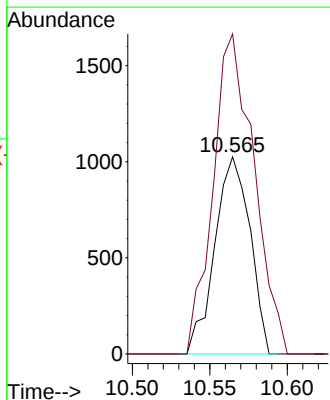
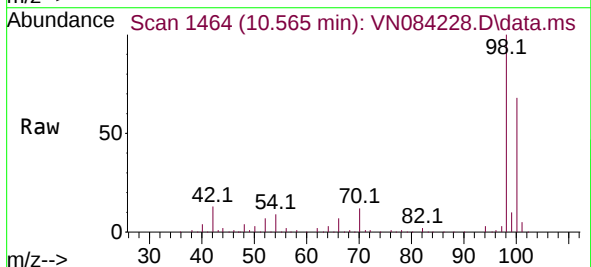
Instrument :
MSVOA_N
ClientSampleId :

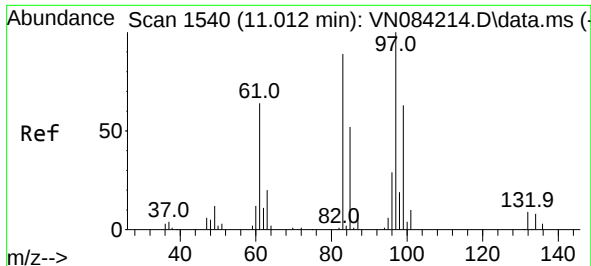
Tgt Ion: 98 Resp: 344192
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.605 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

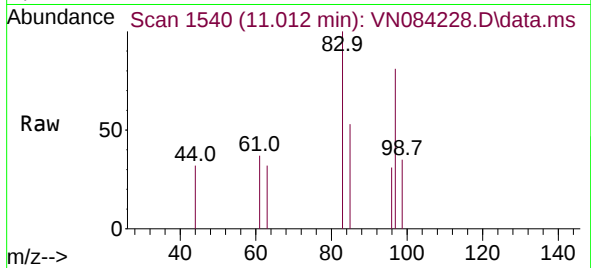
Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
58 189.2 31.6 47.4#



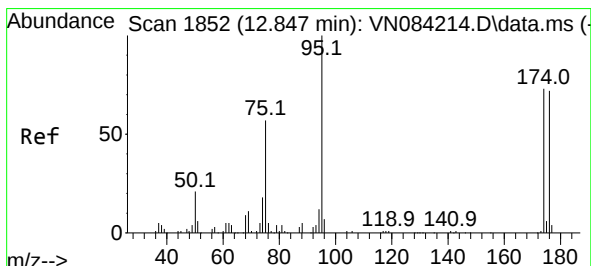
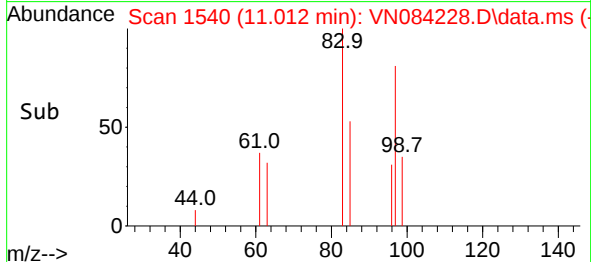
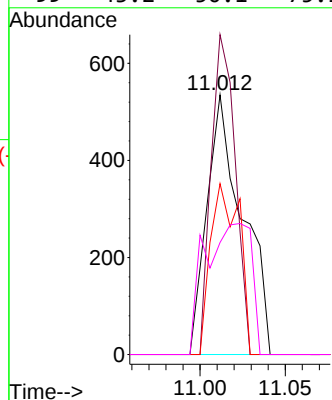


#55
1,1,2-Trichloroethane
Concen: 0.419 ug/l
RT: 11.012 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

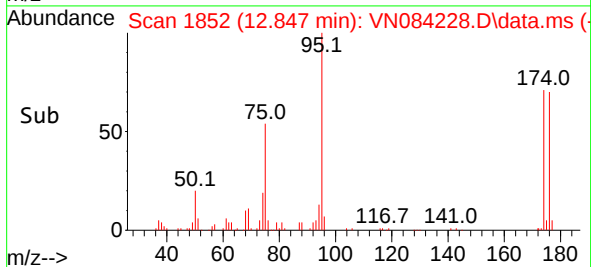
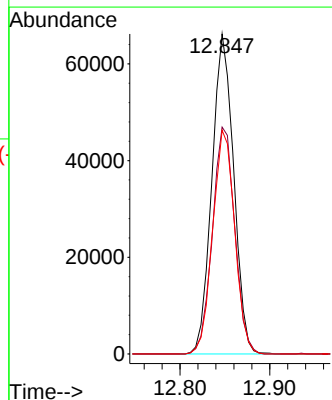
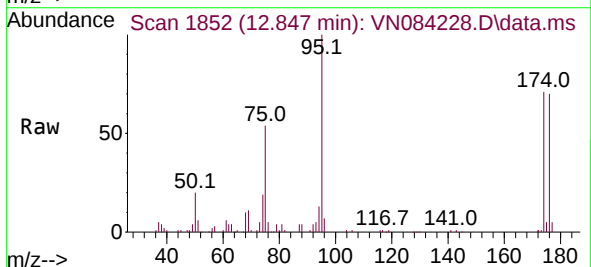


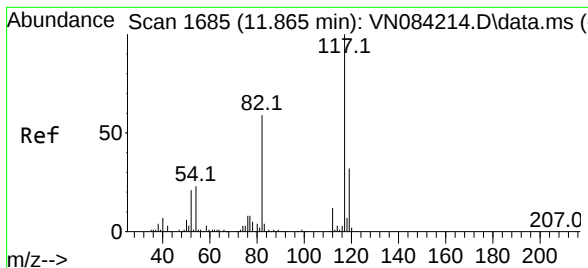
Tgt Ion: 97 Resp: 780
Ion Ratio Lower Upper
97 100
83 123.2 71.0 106.4#
85 65.8 41.7 62.5#
99 43.2 50.1 75.1#



#62
4-Bromofluorobenzene
Concen: 44.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084228.D
Acq: 30 Sep 2024 19:42

Tgt Ion: 95 Resp: 111378
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.2
176 70.8 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: VN084228.D

Acq: 30 Sep 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

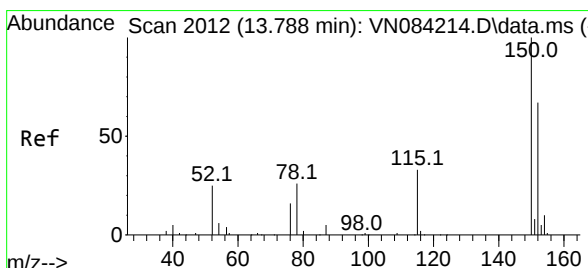
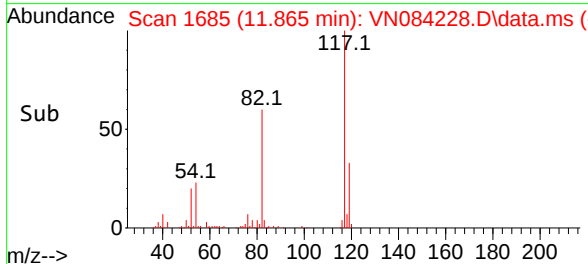
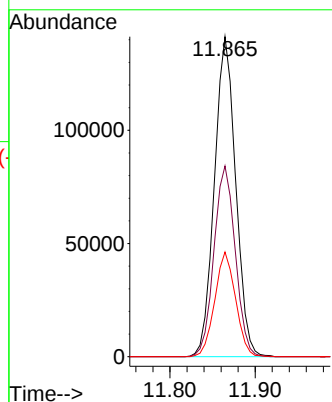
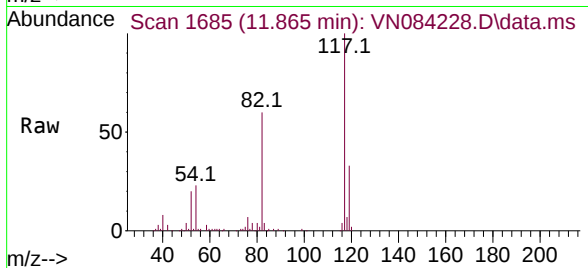
Tgt Ion:117 Resp: 245180

Ion Ratio Lower Upper

117 100

82 59.6 47.2 70.8

119 32.7 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: VN084228.D

Acq: 30 Sep 2024 19:42

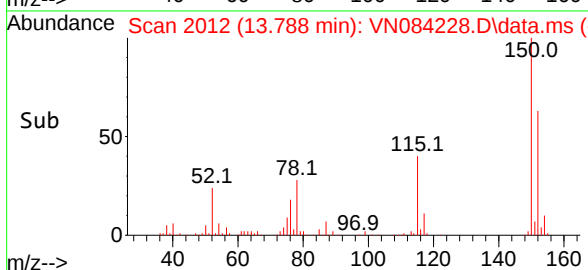
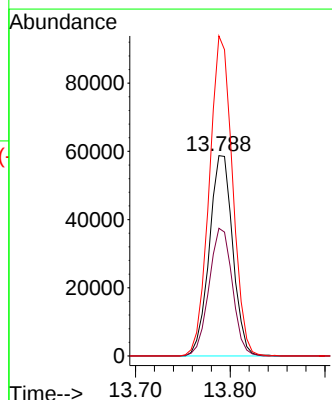
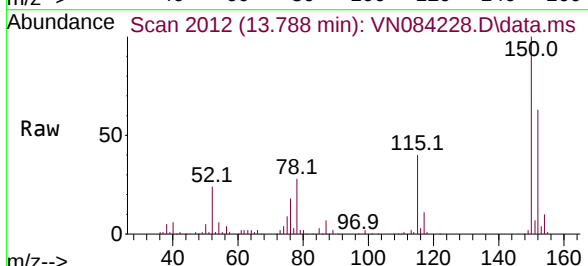
Tgt Ion:152 Resp: 100934

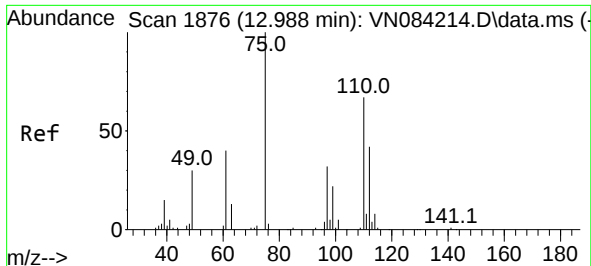
Ion Ratio Lower Upper

152 100

115 63.3 31.3 93.9

150 158.0 0.0 349.8

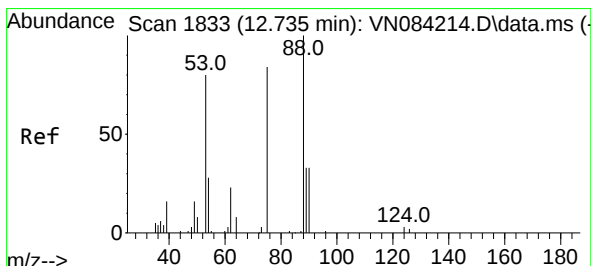
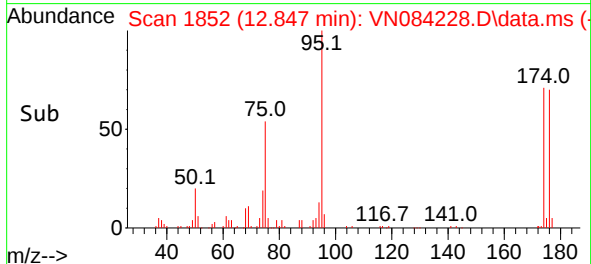
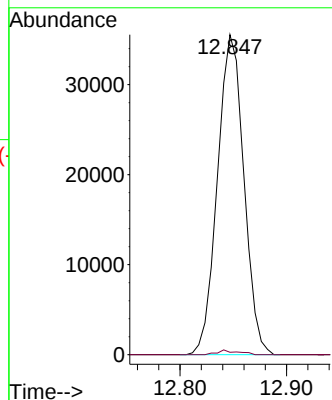
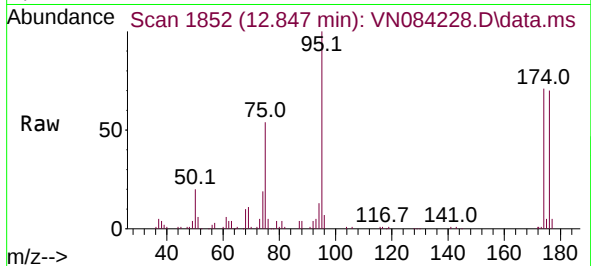




#76
 1,2,3-Trichloropropane
 Concen: 29.686 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 61171
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.9 290.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.171 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084228.D
 Acq: 30 Sep 2024 19:42

Tgt Ion: 75 Resp: 61171
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

