

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084138.D
 Acq On : 24 Sep 2024 16:43
 Operator : JC\MD
 Sample : P4116-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 25 01:36:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

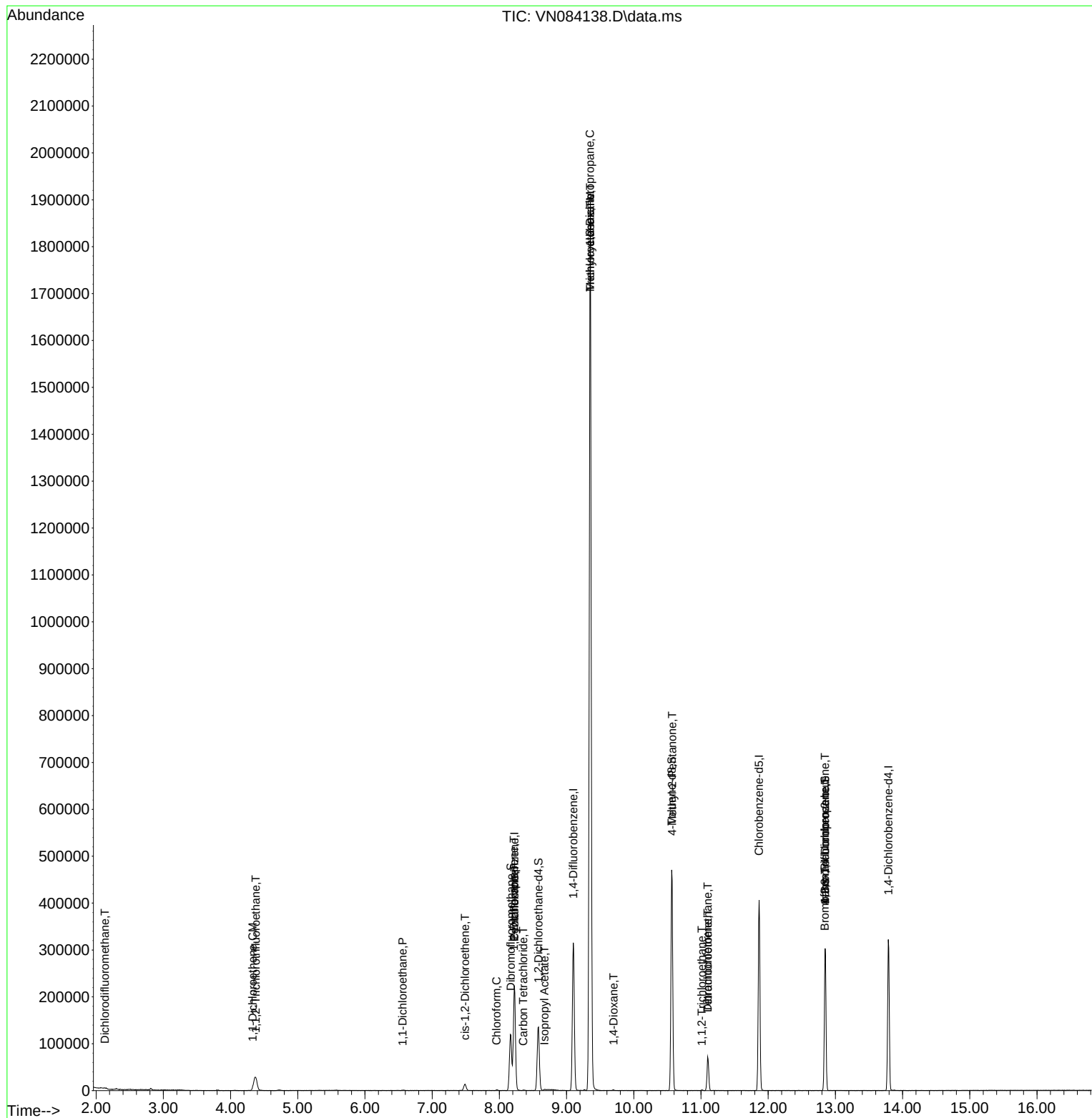
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	149848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	221989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116314	51.478	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.960%	
35) Dibromofluoromethane	8.171	113	85656	51.461	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.920%	
50) Toluene-d8	10.565	98	318034	55.269	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.540%	
62) 4-Bromofluorobenzene	12.847	95	105970	44.637	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.280%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	800	0.460	ug/l #	44
3) Chloromethane	2.365	50	336	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	18781	10.943	ug/l	99
12) 1,1-Dichloroethene	4.330	96	2532	1.562	ug/l #	69
24) 1,1-Dichloroethane	6.559	63	1430	0.418	ug/l #	82
27) cis-1,2-Dichloroethene	7.488	96	8131	3.943	ug/l	87
30) Chloroform	7.959	83	1461	0.402	ug/l	96
31) Cyclohexane	8.224	56	3983	1.220	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13976	5.579	ug/l #	50
38) Carbon Tetrachloride	8.353	117	1064	0.374	ug/l #	81
39) Methylcyclohexane	9.353	83	8477	2.973	ug/l #	1
43) Isopropyl Acetate	8.671	43	1460	0.354	ug/l #	57
44) Trichloroethene	9.353	130	627061	359.098	ug/l	92
45) 1,2-Dichloropropane	9.347	63	2168	1.190	ug/l #	1
49) 1,4-Dioxane	9.700	88	932	28.977	ug/l #	97
51) 4-Methyl-2-Pentanone	10.571	43	1645	0.733	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	569	0.330	ug/l #	92
60) Dibromochloromethane	11.100	129	15890	8.246	ug/l #	10
64) Tetrachloroethene	11.100	164	16122	10.921	ug/l	95
71) Bromoform	12.841	173	492	0.427	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	58495	34.538	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58495	90.456	ug/l #	9

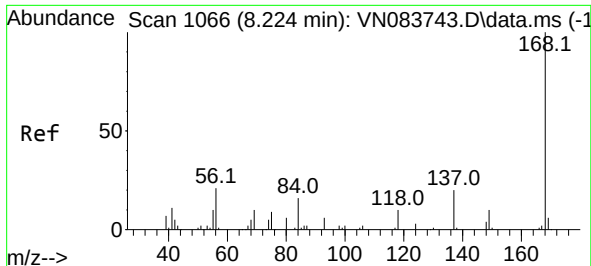
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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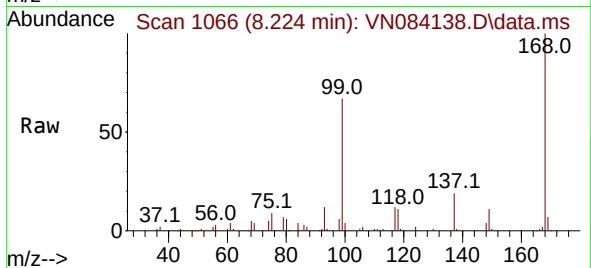
Quant Time: Sep 25 01:36:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



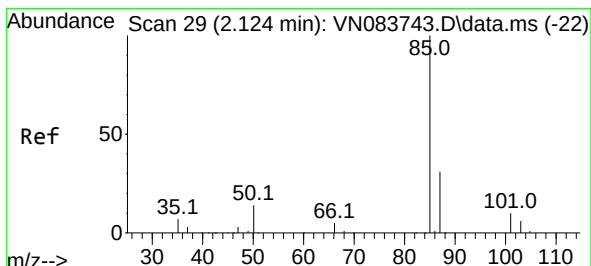
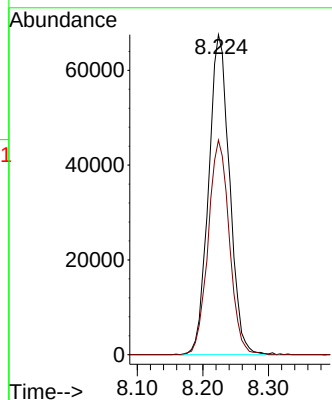
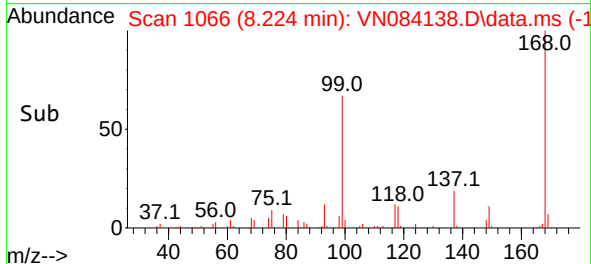


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Instrument :
MSVOA_N
ClientSampleId :

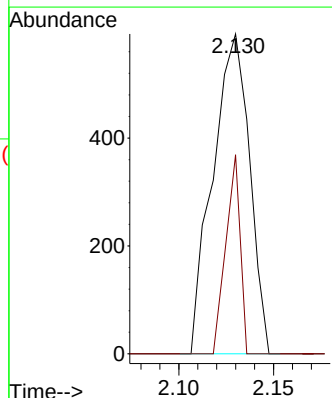
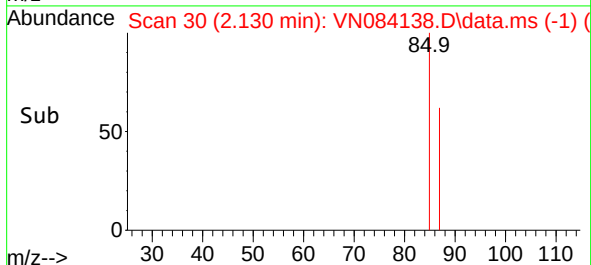
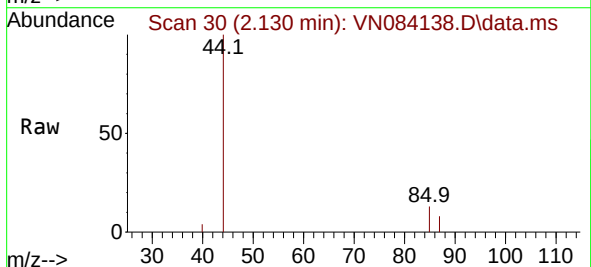


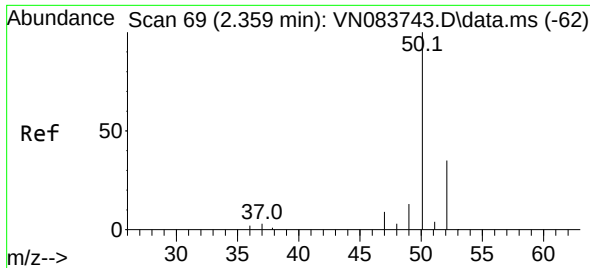
Tgt Ion:168 Resp: 149848
Ion Ratio Lower Upper
168 100
99 67.0 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.460 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Tgt Ion: 85 Resp: 800
Ion Ratio Lower Upper
85 100
87 62.2 15.7 47.0#

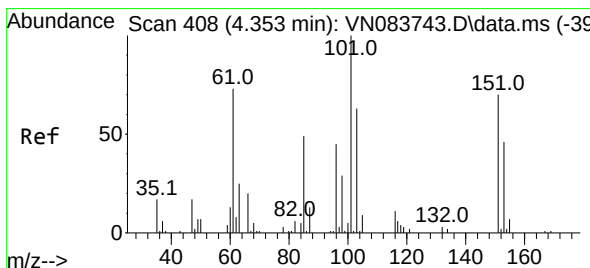
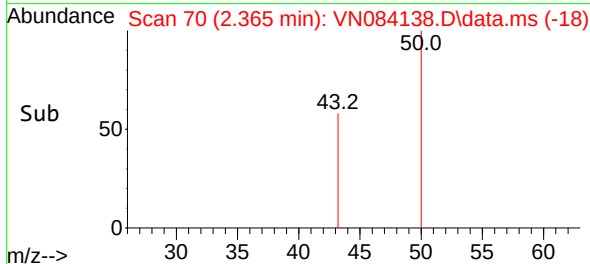
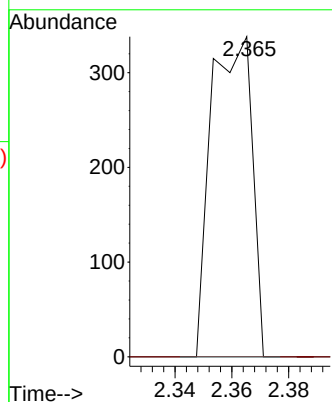
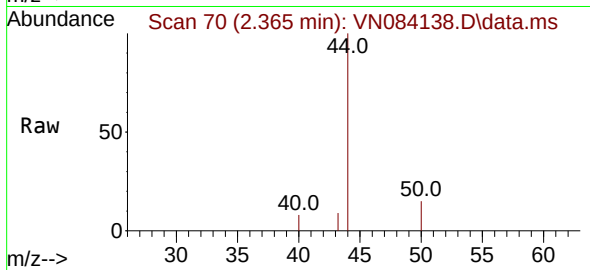




#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

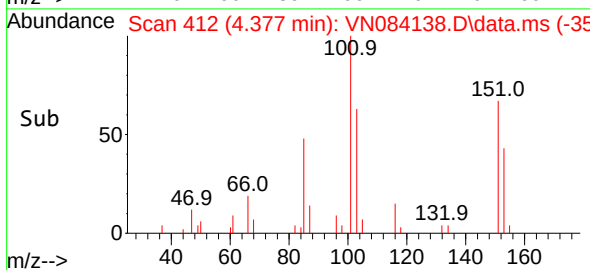
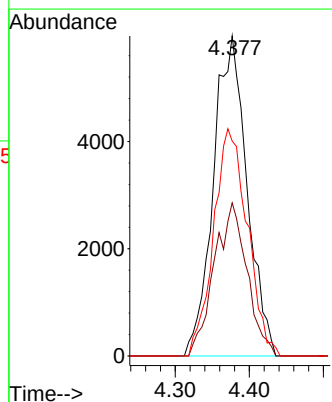
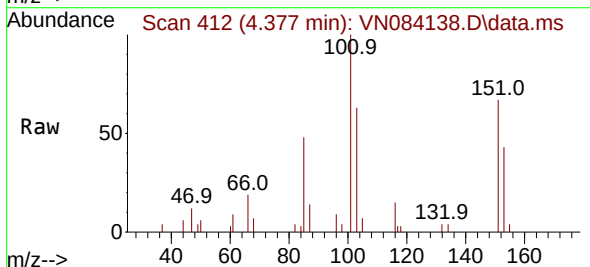
Instrument :
MSVOA_N
ClientSampleId :

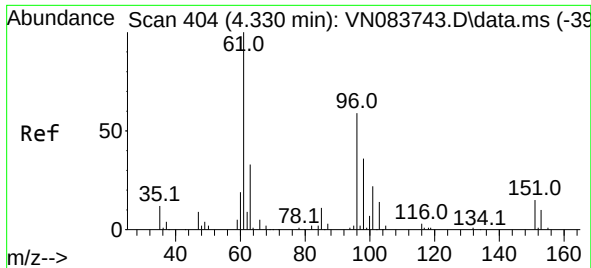
Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.943 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.023 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Tgt Ion:101 Resp: 18781
Ion Ratio Lower Upper
101 100
85 46.7 36.2 54.4
151 71.6 57.7 86.5





#12

1,1-Dichloroethene

Concen: 1.562 ug/l

RT: 4.330 min Scan# 404

Delta R.T. -0.000 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

ClientSampleId :

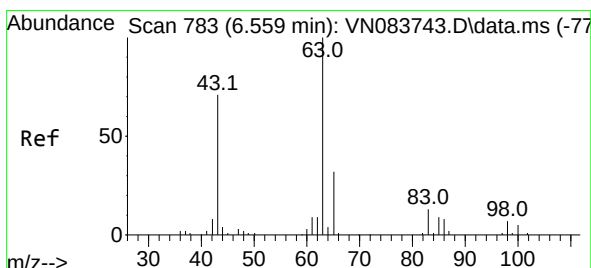
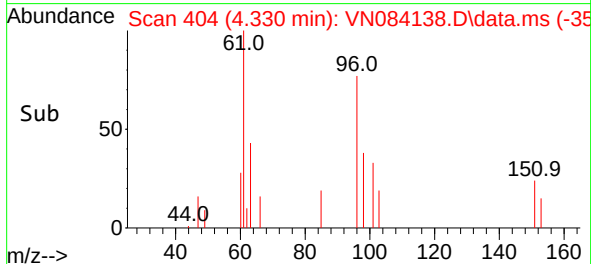
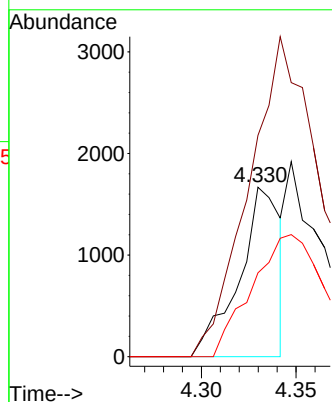
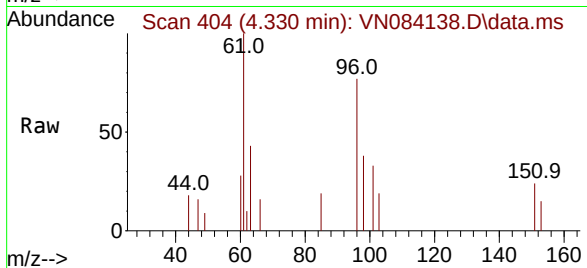
Tgt Ion: 96 Resp: 2532

Ion Ratio Lower Upper

96 100

61 130.5 143.4 215.0#

98 49.5 52.7 79.1#



#24

1,1-Dichloroethane

Concen: 0.418 ug/l

RT: 6.559 min Scan# 783

Delta R.T. -0.000 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

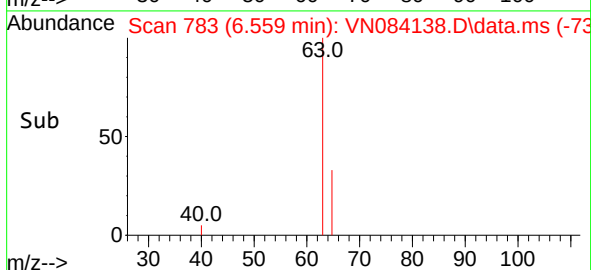
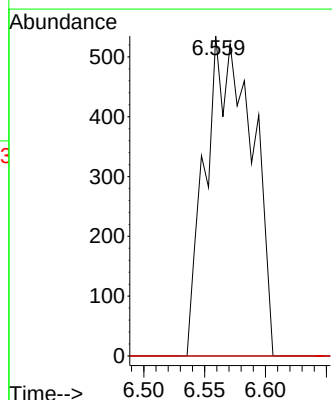
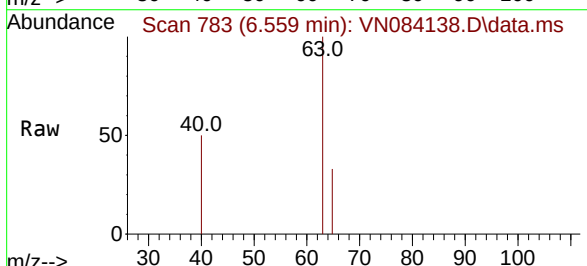
Tgt Ion: 63 Resp: 1430

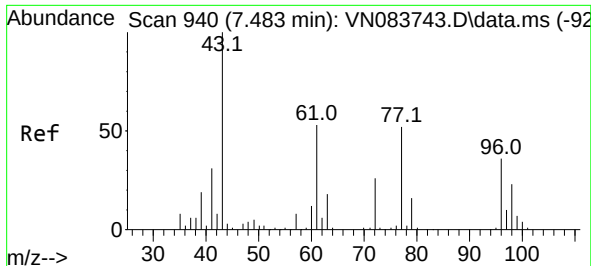
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 3.943 ug/l

RT: 7.488 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

ClientSampleId :

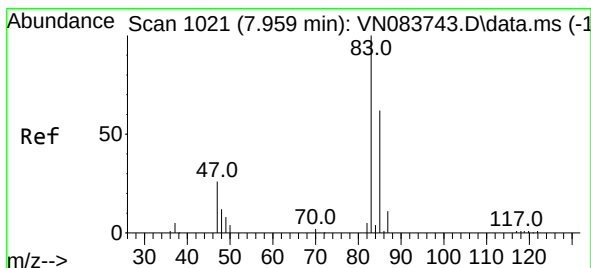
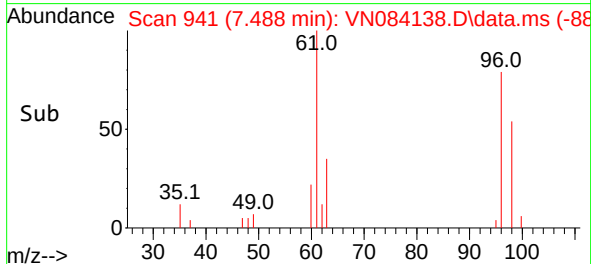
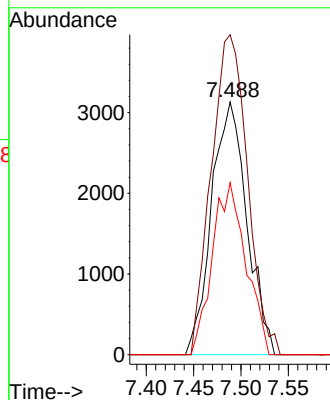
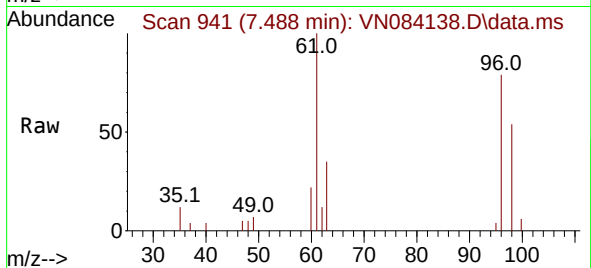
Tgt Ion: 96 Resp: 8131

Ion Ratio Lower Upper

96 100

61 130.0 0.0 306.2

98 64.6 0.0 128.6



#30

Chloroform

Concen: 0.402 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN084138.D

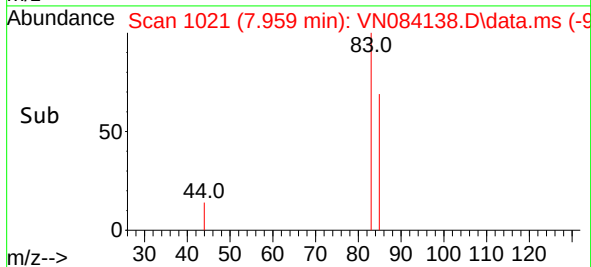
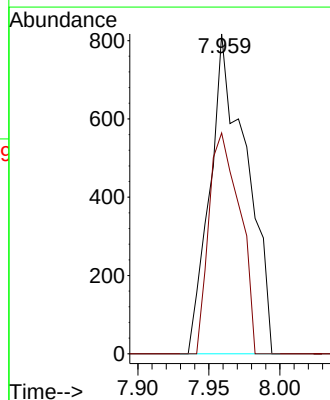
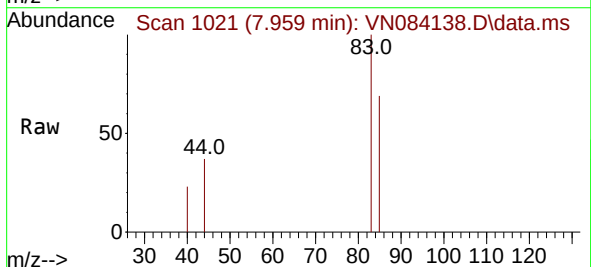
Acq: 24 Sep 2024 16:43

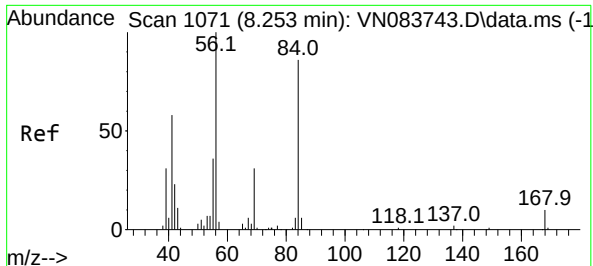
Tgt Ion: 83 Resp: 1461

Ion Ratio Lower Upper

83 100

85 69.0 52.8 79.2





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

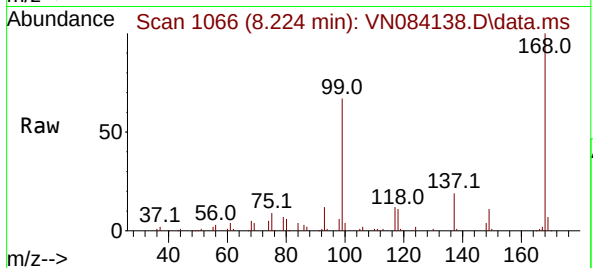
Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

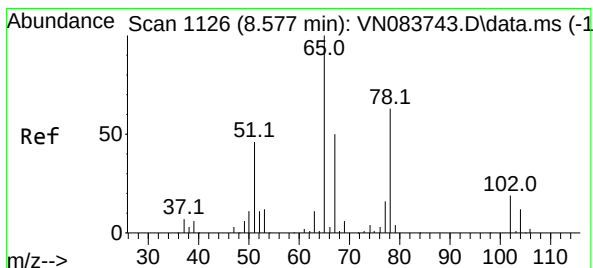
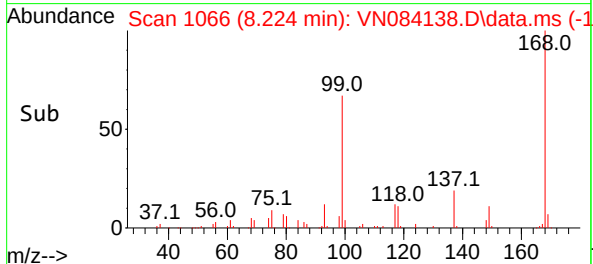
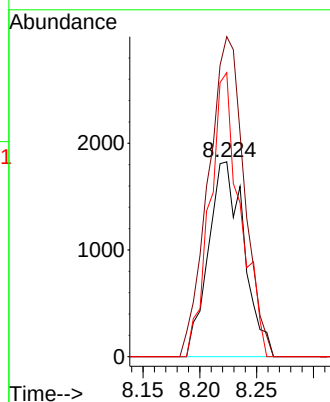
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3983
Ion Ratio	Lower	Upper	
56	100		
69	164.1	26.9	40.3#
84	145.7	69.2	103.8#



#33

1,2-Dichloroethane-d4

Concen: 51.478 ug/l

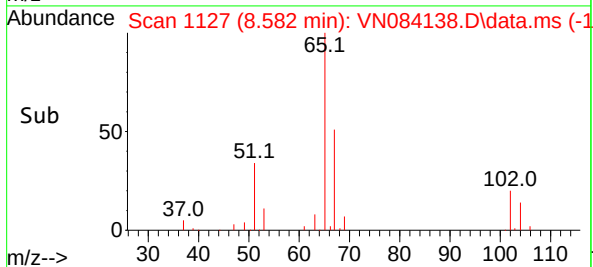
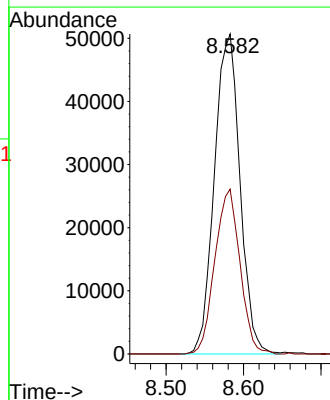
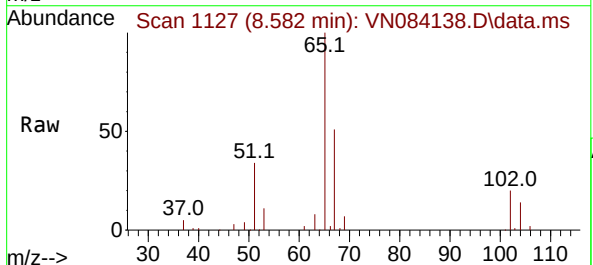
RT: 8.582 min Scan# 1127

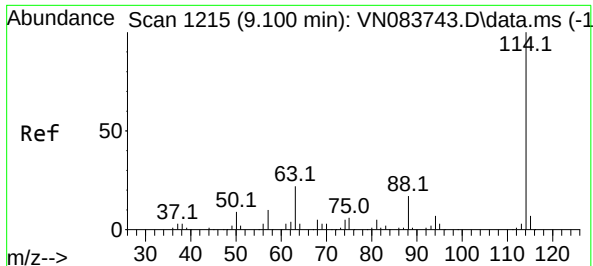
Delta R.T. 0.006 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Tgt Ion:	65	Resp:	116314
Ion Ratio	Lower	Upper	
65	100		
67	50.6	0.0	100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

ClientSampleId :

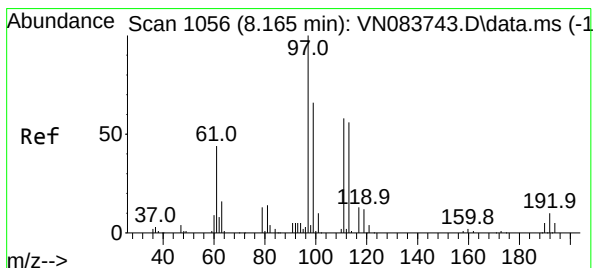
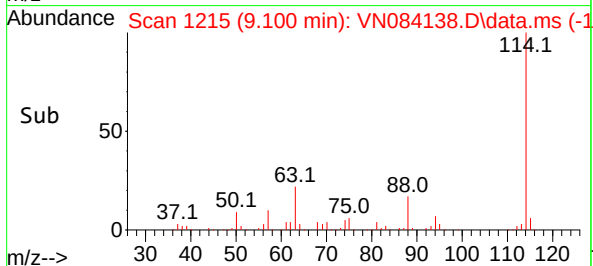
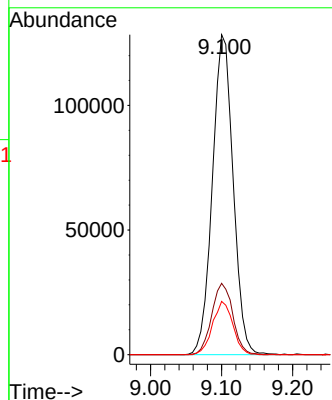
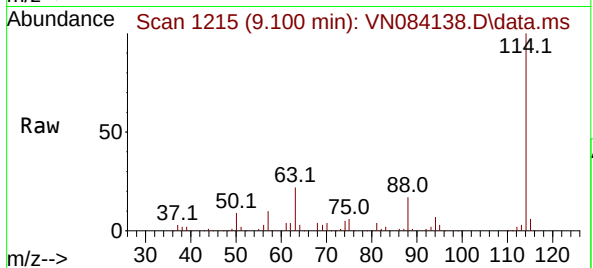
Tgt Ion:114 Resp: 260001

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

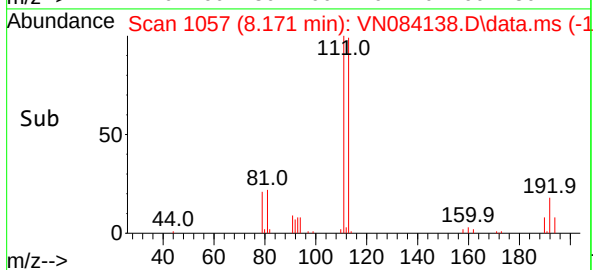
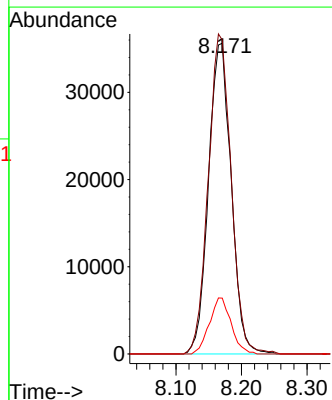
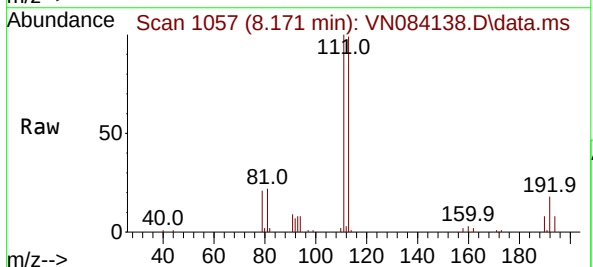
Tgt Ion:113 Resp: 85656

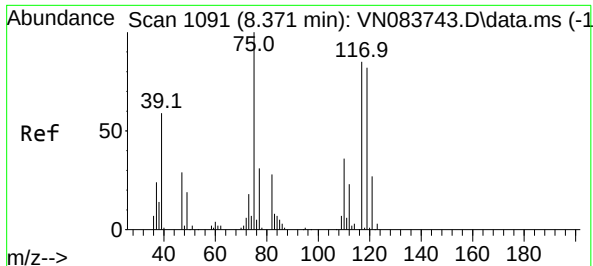
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 17.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.579 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

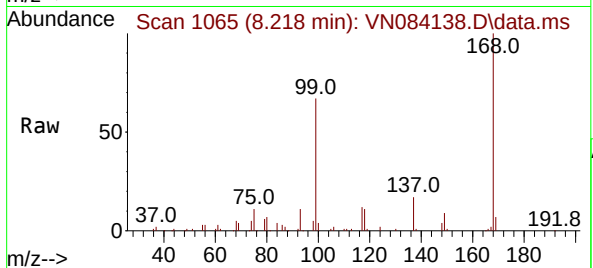
Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

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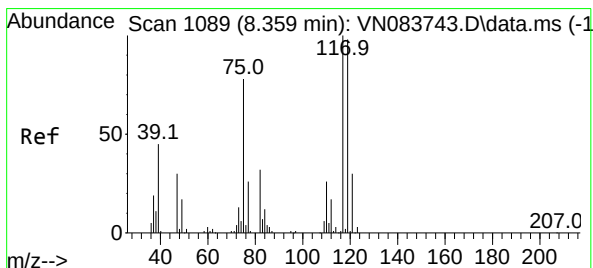
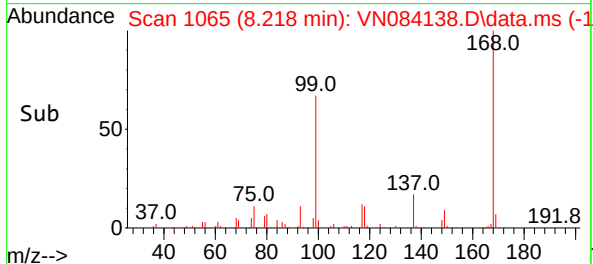
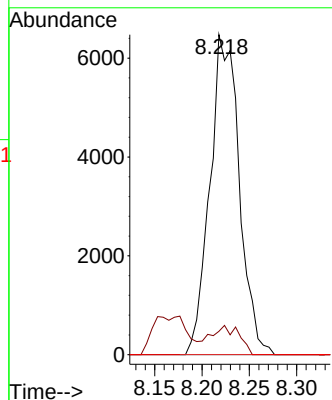
Tgt Ion: 75 Resp: 13976

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 0.374 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

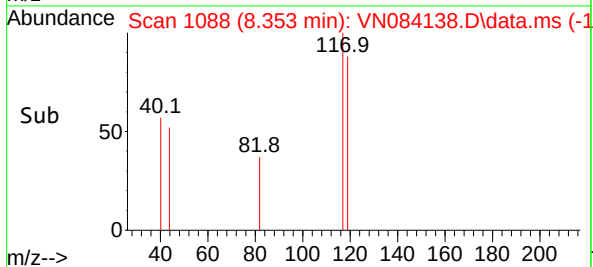
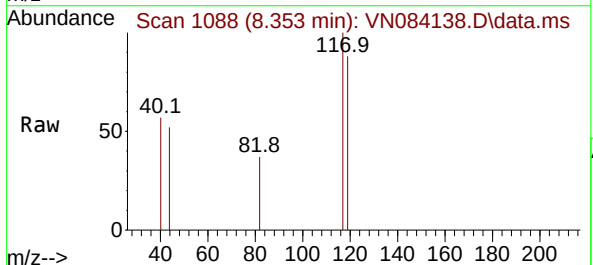
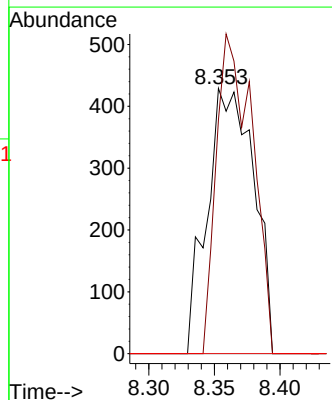
Tgt Ion: 117 Resp: 1064

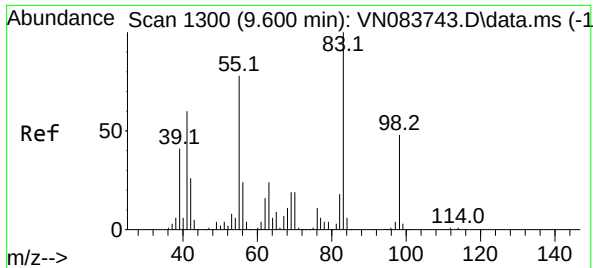
Ion Ratio Lower Upper

117 100

119 88.1 76.1 114.1

121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 2.973 ug/l

RT: 9.353 min Scan# 1125

Delta R.T. -0.247 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

ClientSampleId :

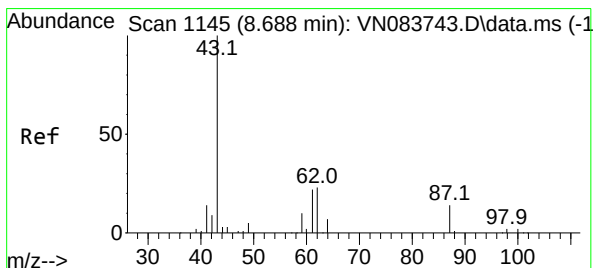
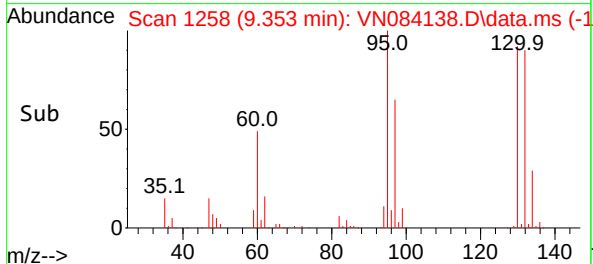
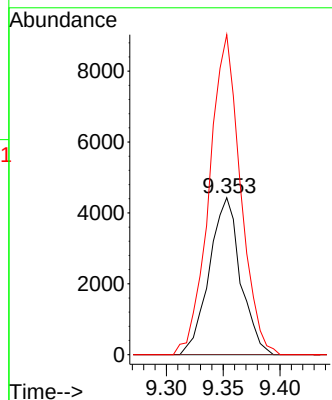
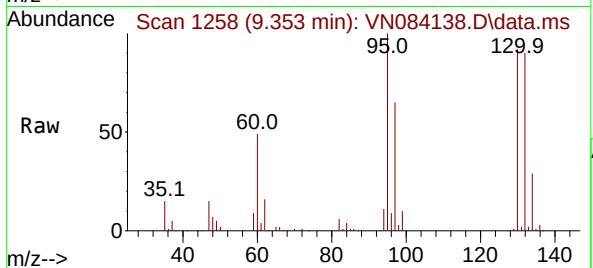
Tgt Ion: 83 Resp: 8477

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 203.9 37.6 56.4#



#43

Isopropyl Acetate

Concen: 0.354 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

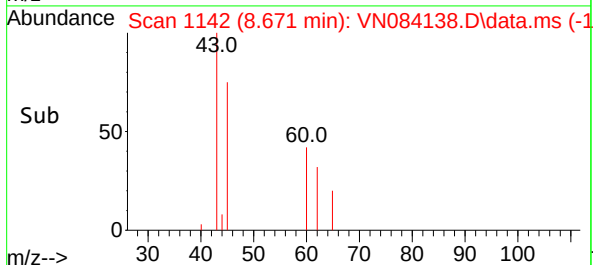
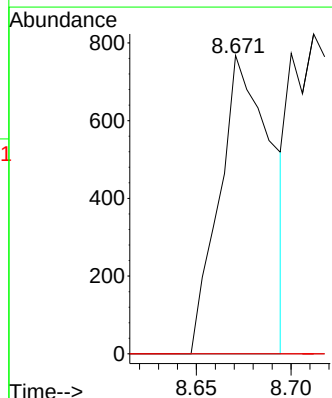
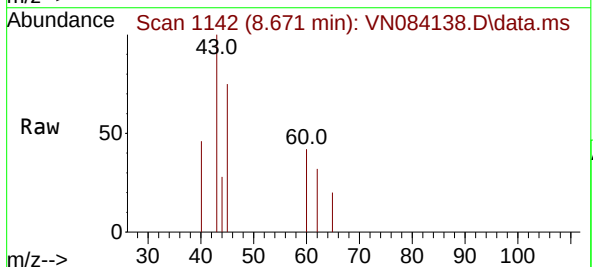
Tgt Ion: 43 Resp: 1460

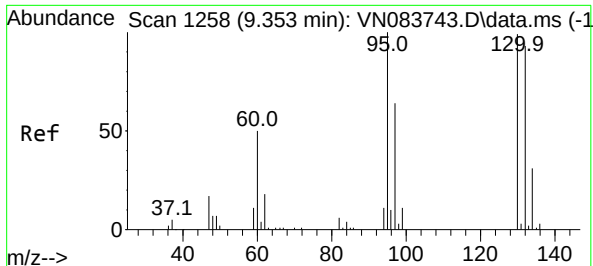
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

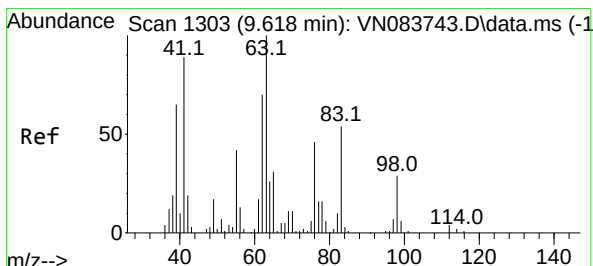
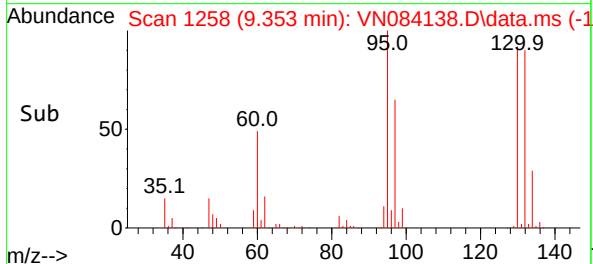
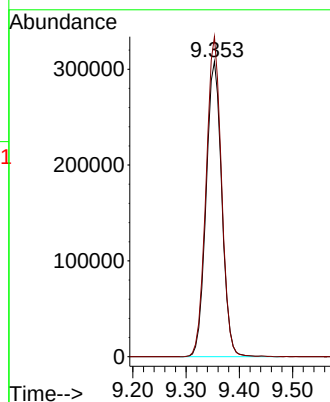
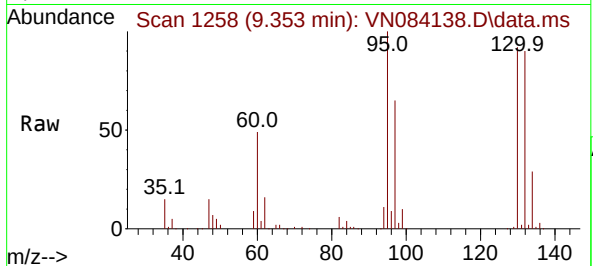




#44
Trichloroethene
Concen: 359.098 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

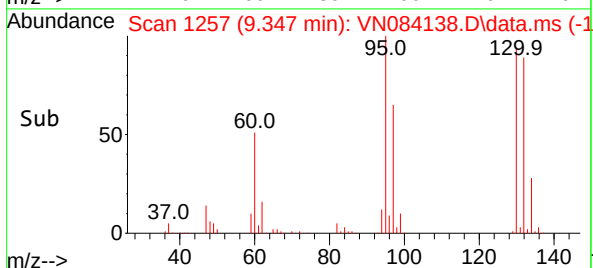
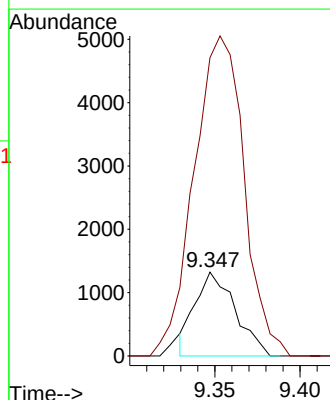
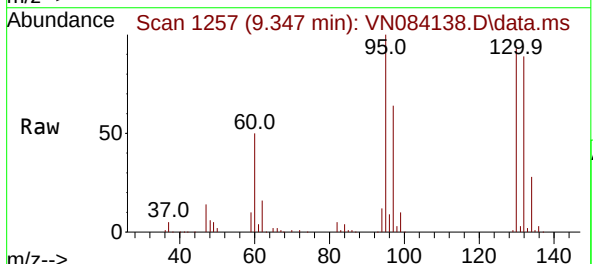
Instrument :
MSVOA_N
ClientSampleId :

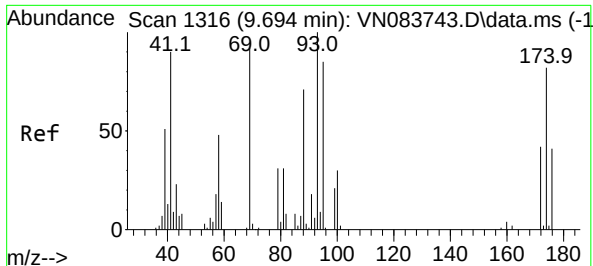
Tgt Ion:130 Resp: 627061
Ion Ratio Lower Upper
130 100
95 108.4 0.0 200.4



#45
1,2-Dichloropropane
Concen: 1.190 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.271 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Tgt Ion: 63 Resp: 2168
Ion Ratio Lower Upper
63 100
65 338.8 25.9 38.9#





#49

1,4-Dioxane

Concen: 28.977 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

ClientSampleId :

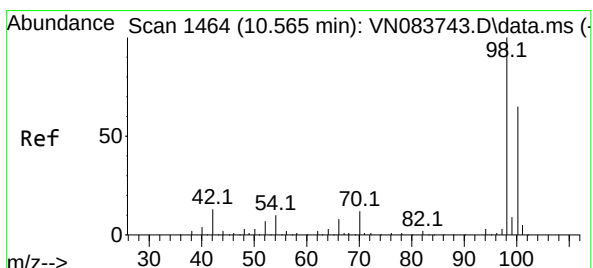
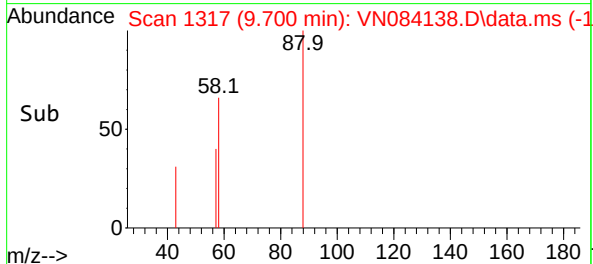
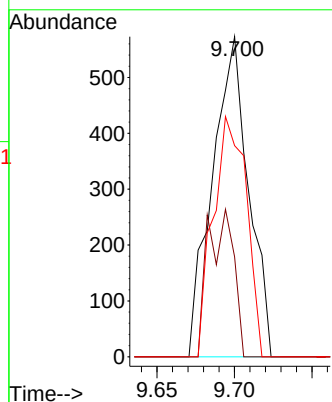
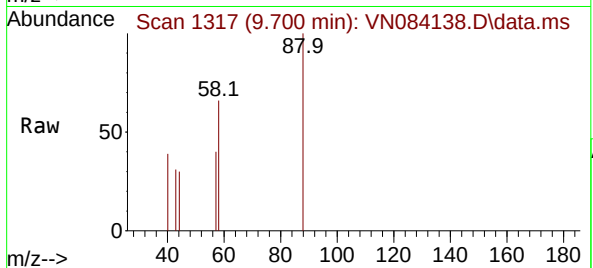
Tgt Ion: 88 Resp: 932

Ion Ratio Lower Upper

88 100

43 32.6 0.0 0.0#

58 68.7 57.1 85.7



#50

Toluene-d8

Concen: 55.269 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084138.D

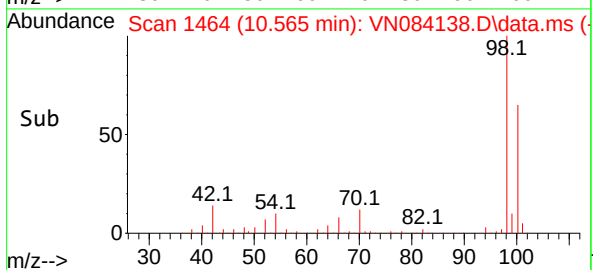
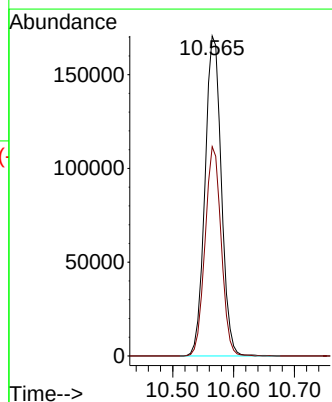
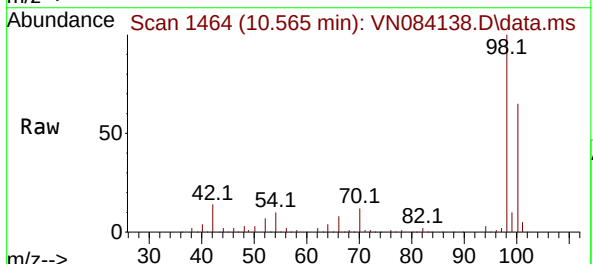
Acq: 24 Sep 2024 16:43

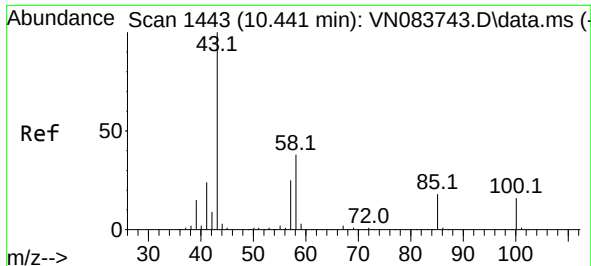
Tgt Ion: 98 Resp: 318034

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.733 ug/l

RT: 10.571 min Scan# 1443

Delta R.T. 0.129 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

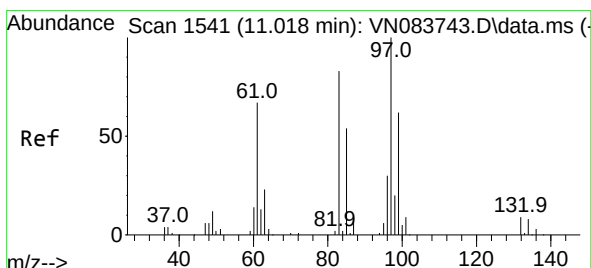
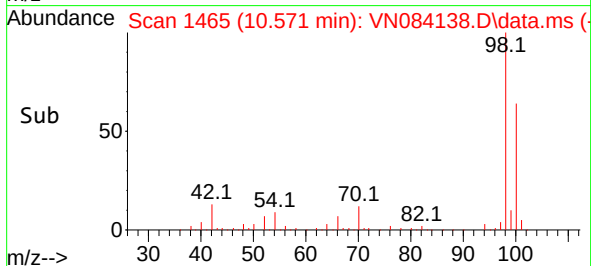
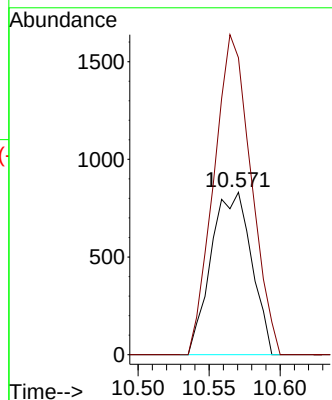
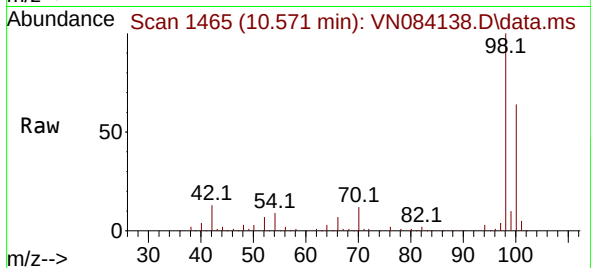
ClientSampleId :

Tgt Ion: 43 Resp: 1645

Ion Ratio Lower Upper

43 100

58 181.6 31.6 47.4#



#55

1,1,2-Trichloroethane

Concen: 0.330 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.006 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Tgt Ion: 97 Resp: 569

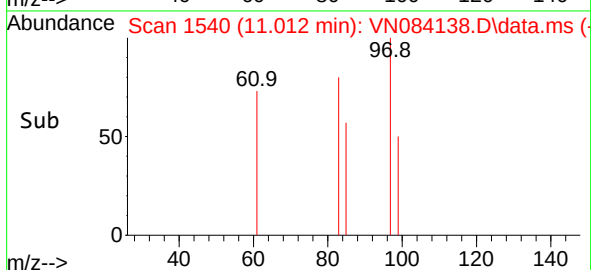
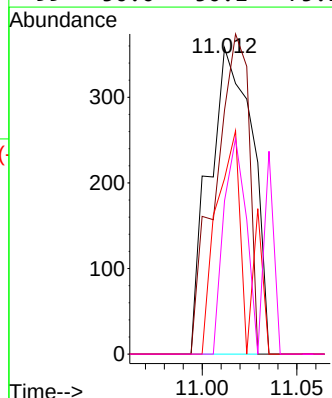
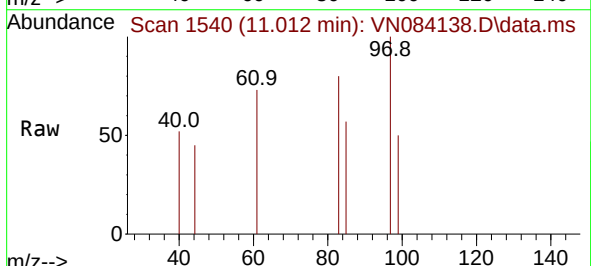
Ion Ratio Lower Upper

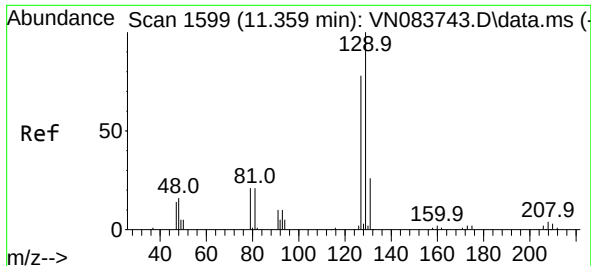
97 100

83 79.6 67.5 101.3

85 57.3 44.2 66.2

99 50.0 50.1 75.1#

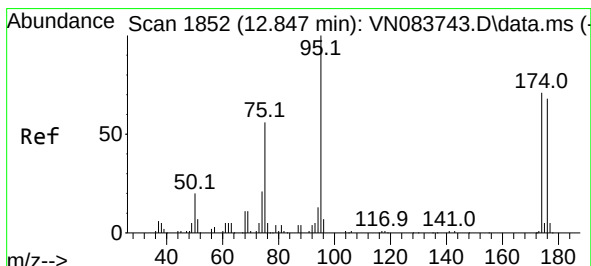
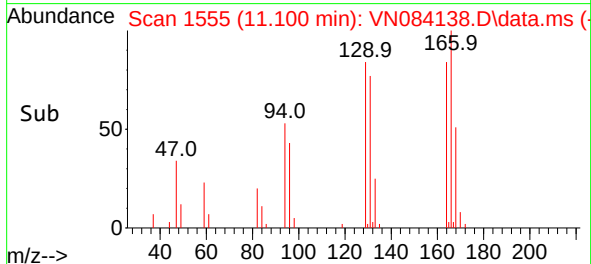
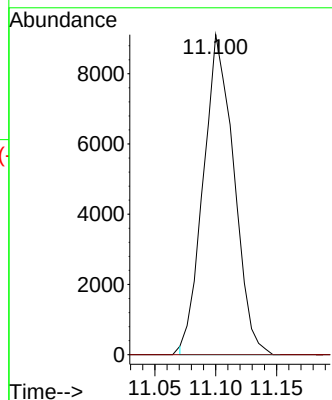
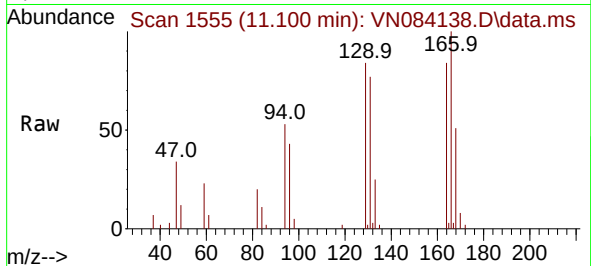




#60
Dibromochloromethane
Concen: 8.246 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

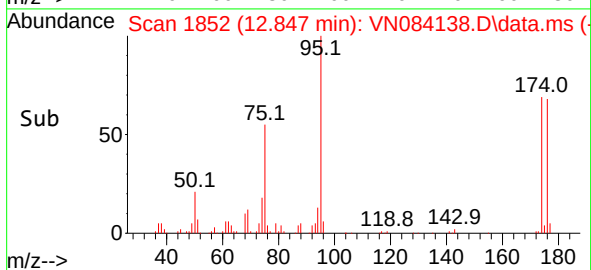
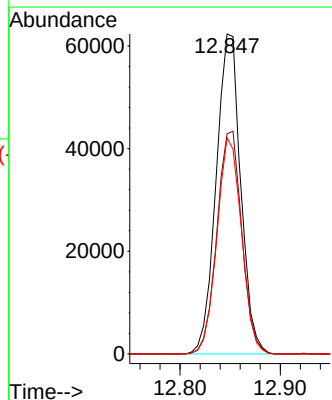
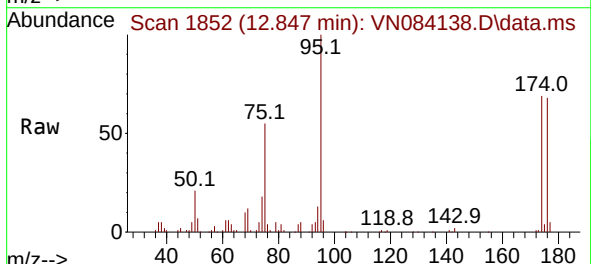
Instrument :
MSVOA_N
ClientSampleId :

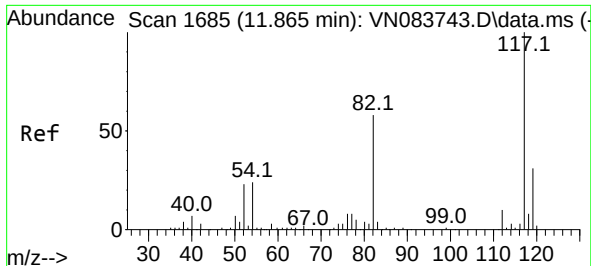
Tgt Ion:129 Resp: 15890
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 44.637 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Tgt Ion: 95 Resp: 105970
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 67.7 0.0 131.4

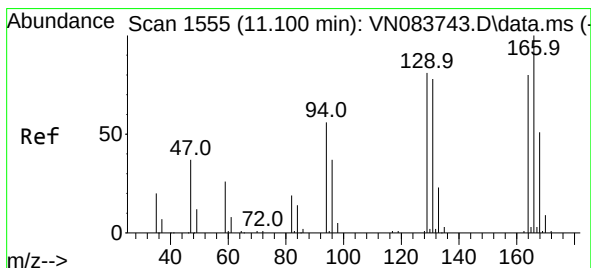
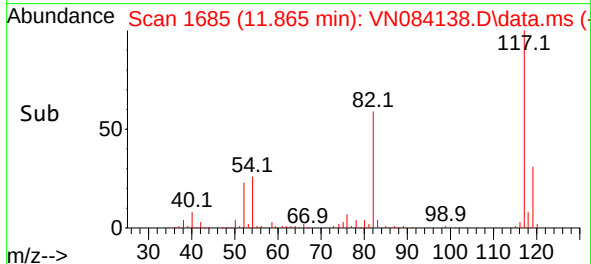
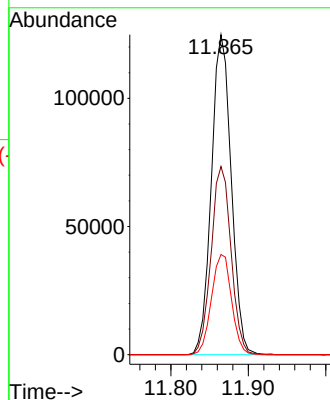
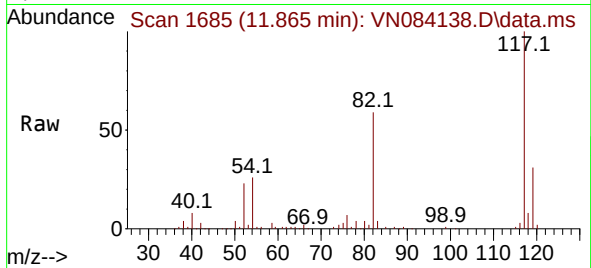




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

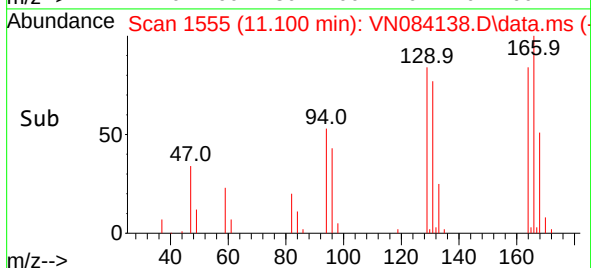
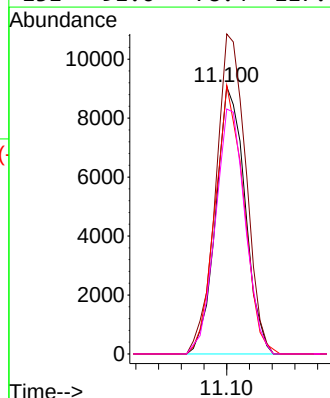
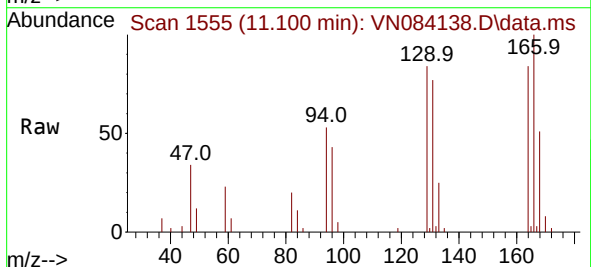
Instrument :
MSVOA_N
ClientSampleId :

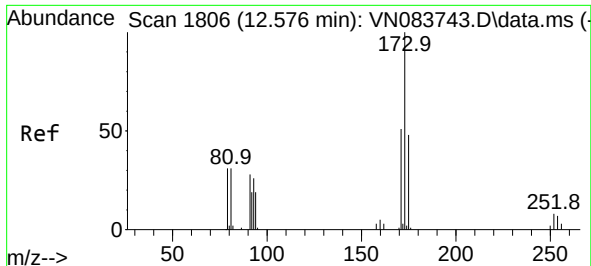
Tgt Ion:117 Resp: 221989
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.0
119 31.3 26.3 39.5



#64
Tetrachloroethene
Concen: 10.921 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Tgt Ion:164 Resp: 16122
Ion Ratio Lower Upper
164 100
166 119.7 103.7 155.5
129 100.5 79.9 119.9
131 91.6 78.4 117.6

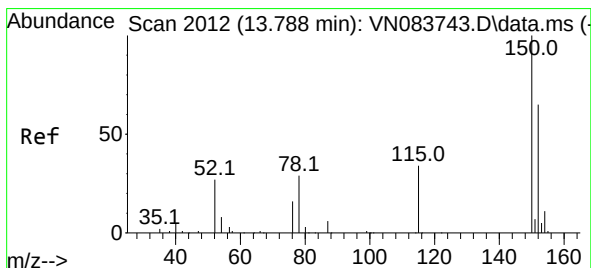
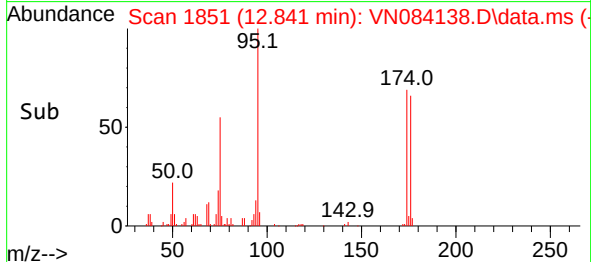
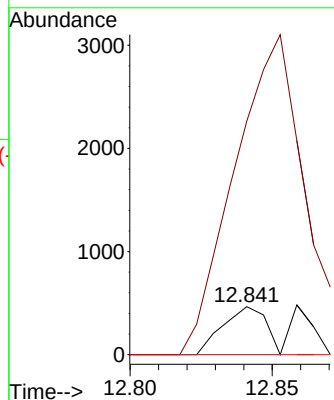
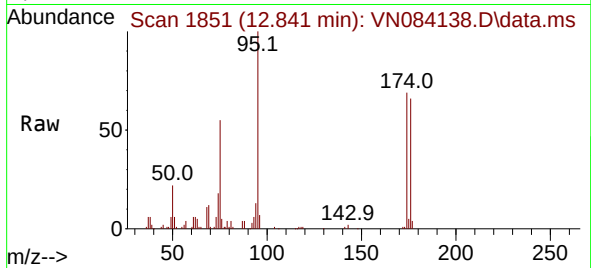




#71
Bromoform
Concen: 0.427 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

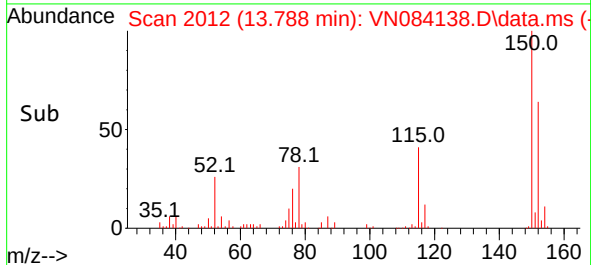
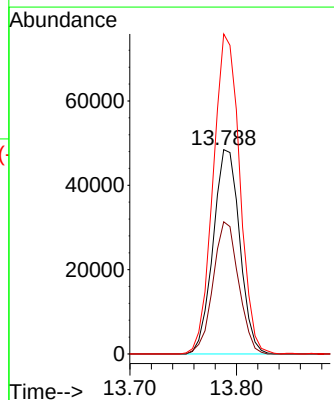
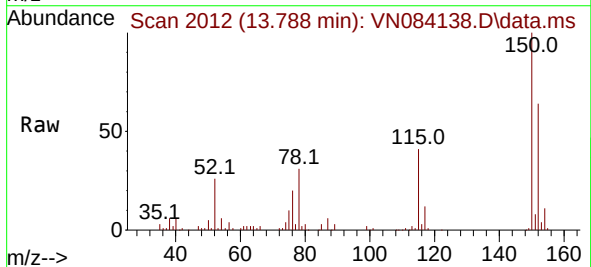
Instrument :
MSVOA_N
ClientSampleId :

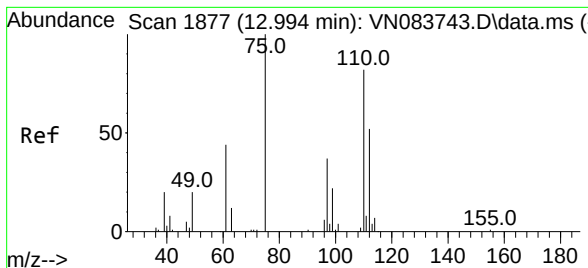
Tgt Ion:173 Resp: 492
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084138.D
Acq: 24 Sep 2024 16:43

Tgt Ion:152 Resp: 83936
Ion Ratio Lower Upper
152 100
115 62.3 32.2 96.6
150 156.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 34.538 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Instrument :

MSVOA_N

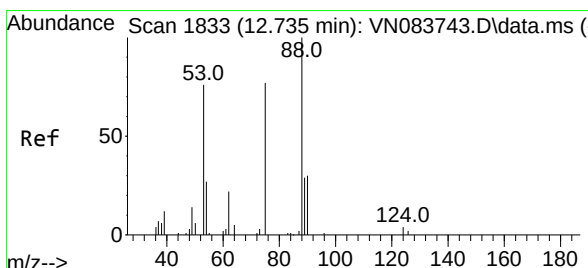
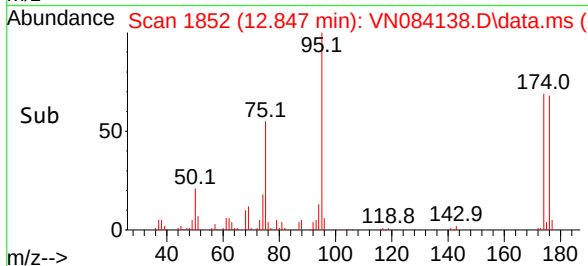
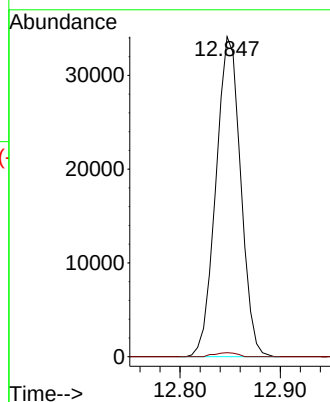
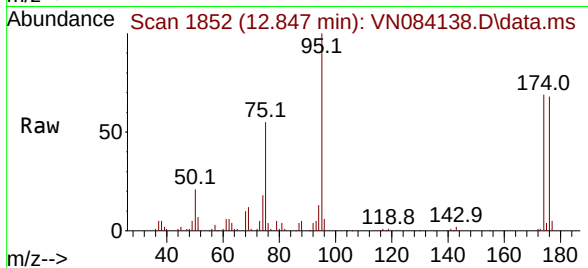
ClientSampleId :

Tgt Ion: 75 Resp: 58495

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.456 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084138.D

Acq: 24 Sep 2024 16:43

Tgt Ion: 75 Resp: 58495

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

