

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084168.D
 Acq On : 25 Sep 2024 18:35
 Operator : JC\MD
 Sample : P4116-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:36:48 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)

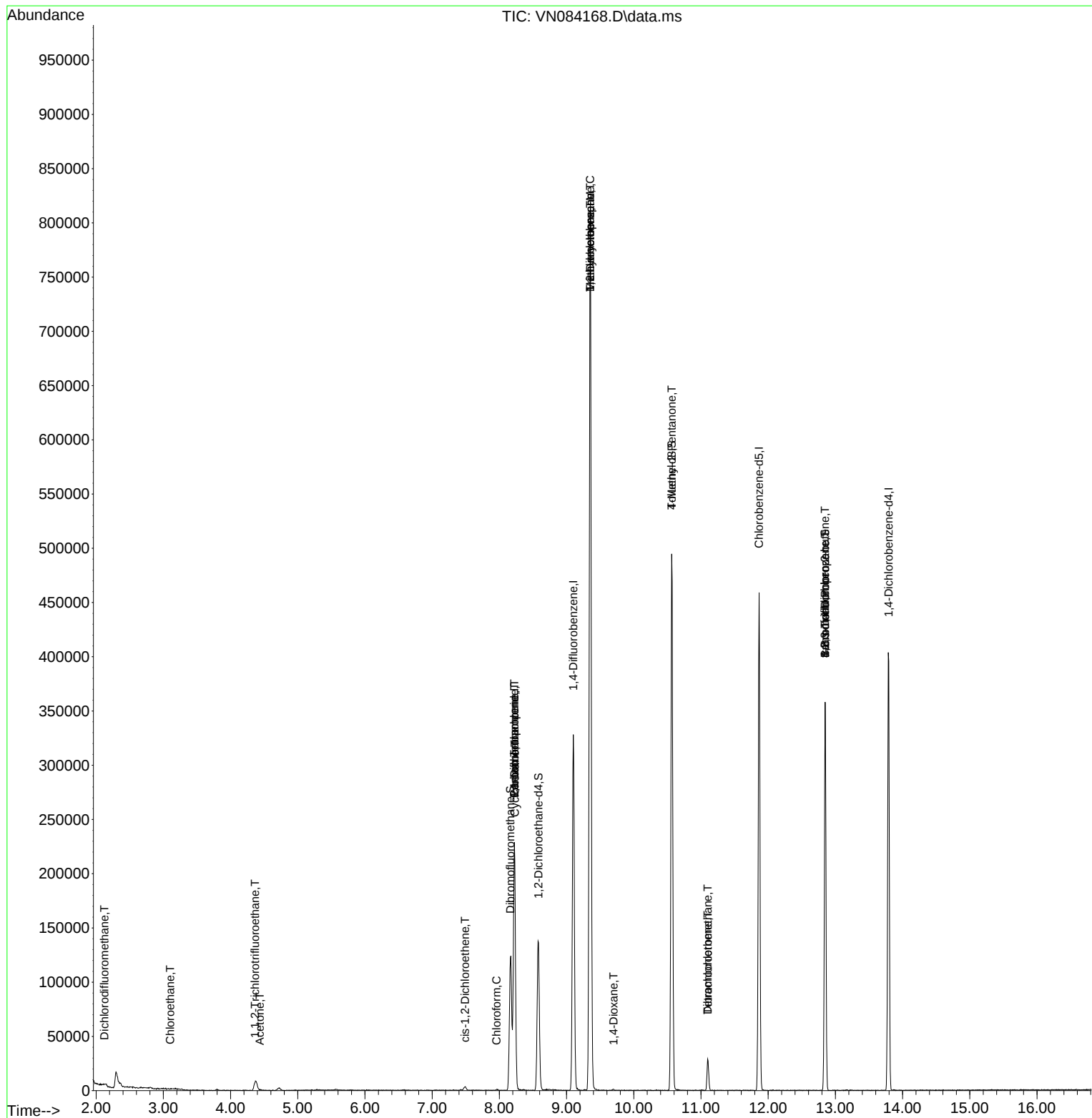
Internal Standards						
1) Pentafluorobenzene	8.224	168	155260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118336	50.547	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.100%
35) Dibromofluoromethane	8.165	113	91600	52.194	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.380%
50) Toluene-d8	10.565	98	337540	55.635	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.260%
62) 4-Bromofluorobenzene	12.847	95	120274	48.049	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	979	0.543	ug/l #	43
3) Chloromethane	2.365	50	1792	Below Cal	#	76
6) Chloroethane	3.100	64	282	0.203	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.365	101	6928	3.896	ug/l #	30
16) Acetone	4.436	43	1194	1.272	ug/l #	67
27) cis-1,2-Dichloroethene	7.488	96	2242	1.049	ug/l	83
30) Chloroform	7.959	83	849	0.225	ug/l #	68
31) Cyclohexane	8.230	56	3920	1.159	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14104	5.339	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17756	5.925	ug/l #	14
39) Methylcyclohexane	9.353	83	3600	1.197	ug/l #	1
44) Trichloroethene	9.353	130	282106	153.223	ug/l	93
45) 1,2-Dichloropropane	9.353	63	960	0.500	ug/l #	1
49) 1,4-Dioxane	9.700	88	610	17.988	ug/l #	90
51) 4-Methyl-2-Pentanone	10.565	43	1611	0.681	ug/l #	1
60) Dibromochloromethane	11.100	129	6876	3.384	ug/l #	10
64) Tetrachloroethene	11.100	164	6393	3.877	ug/l	99
71) Bromoform	12.847	173	527	0.409	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67511	31.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67511	83.688	ug/l #	9

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

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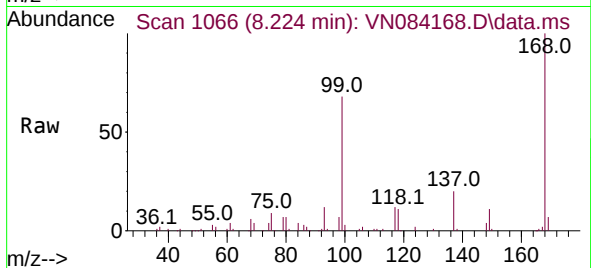
Quant Time: Sep 26 01:36:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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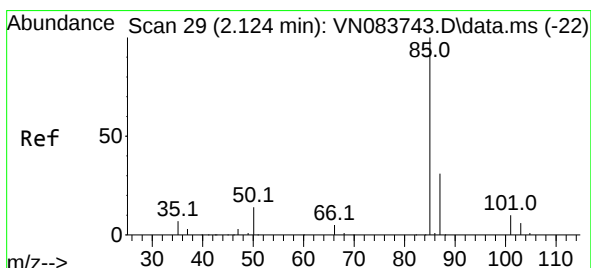
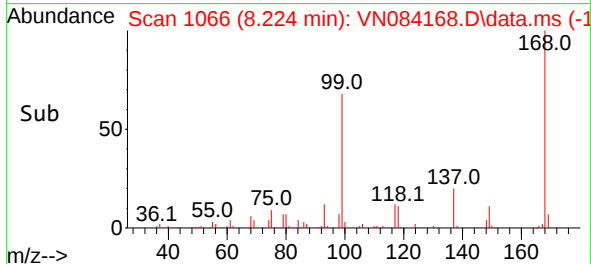
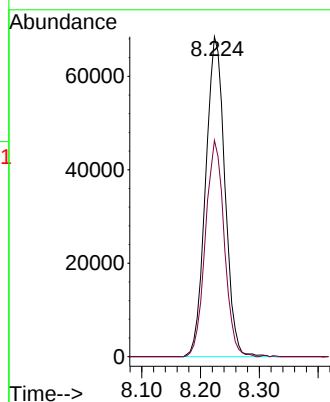


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Instrument :
MSVOA_N
ClientSampleId :

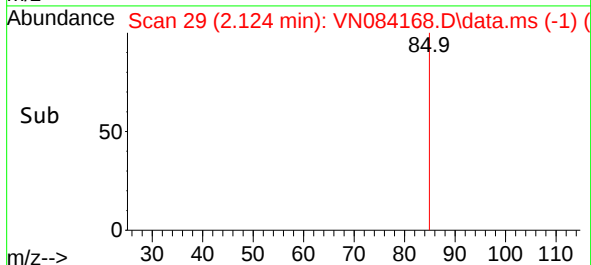
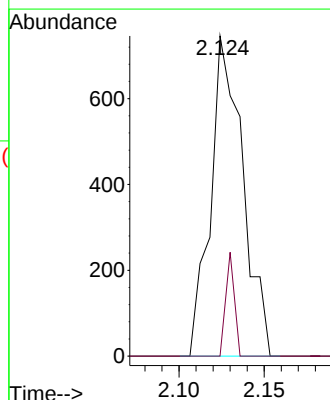
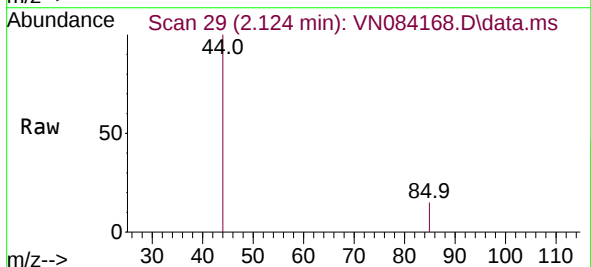


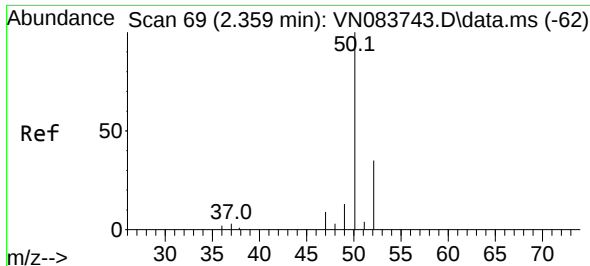
Tgt Ion:168 Resp: 155260
Ion Ratio Lower Upper
168 100
99 67.6 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.543 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Tgt Ion: 85 Resp: 979
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#





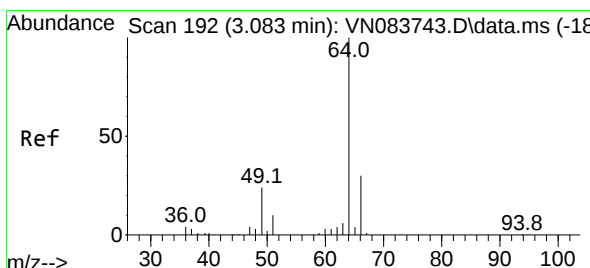
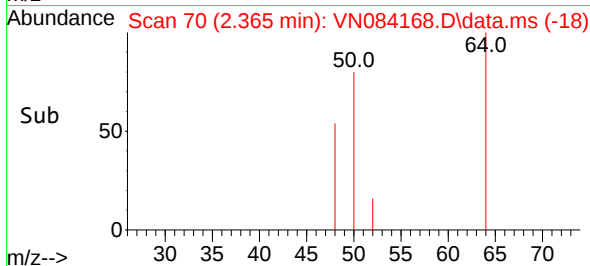
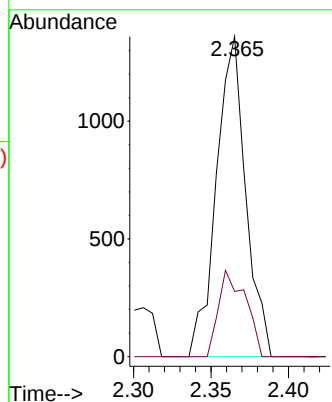
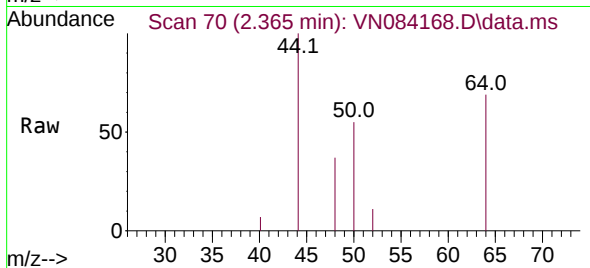
#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Instrument :

MSVOA_N

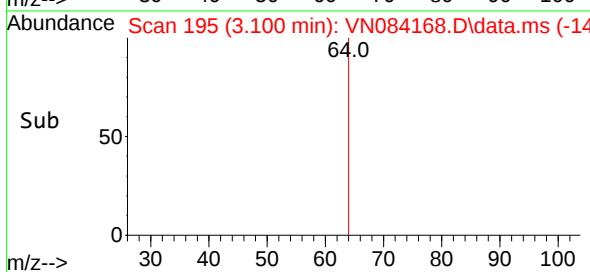
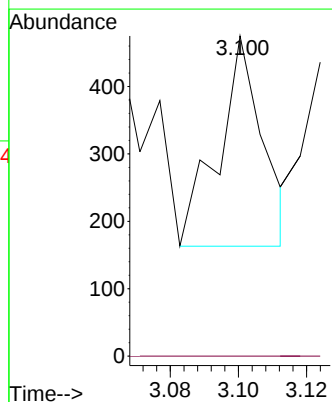
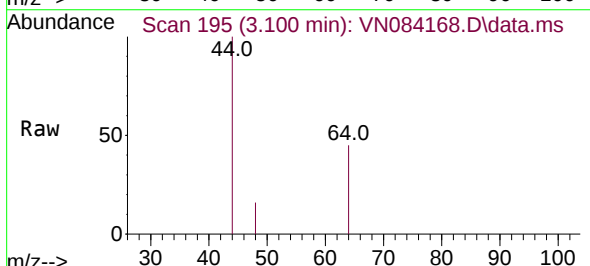
ClientSampleId :

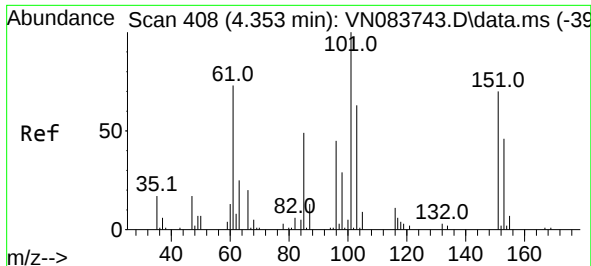
Tgt Ion: 50 Resp: 1792
Ion Ratio Lower Upper
50 100
52 20.4 27.2 40.8#



#6
Chloroethane
Concen: 0.203 ug/l
RT: 3.100 min Scan# 195
Delta R.T. 0.017 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#

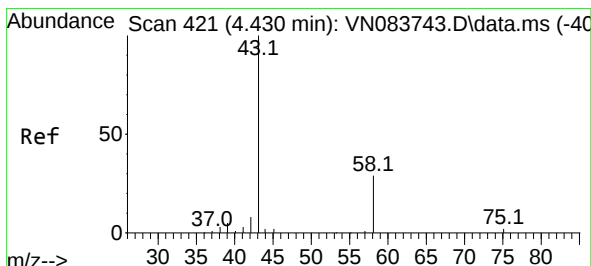
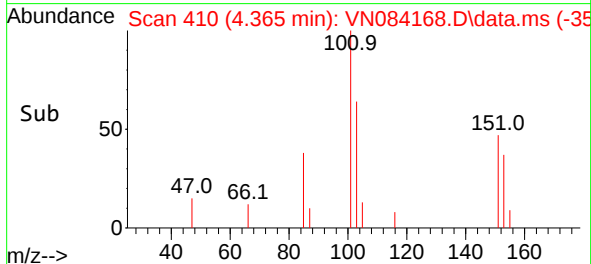
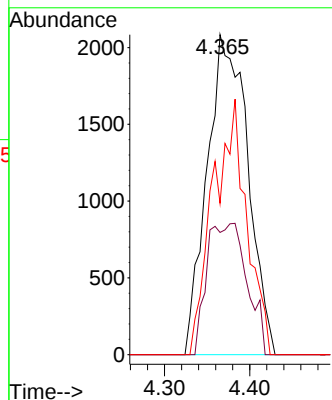
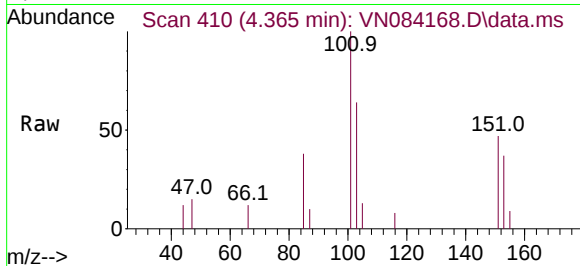




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.896 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

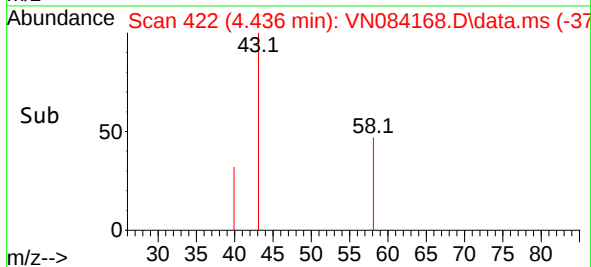
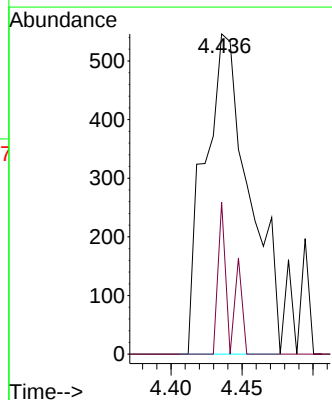
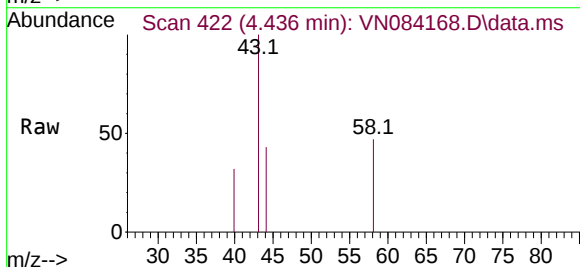
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:101 Resp: 6928
Ion Ratio Lower Upper
101 100
85 16.1 36.2 54.4#
151 0.0 57.7 86.5#



#16
Acetone
Concen: 1.272 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
58 47.4 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 1.049 ug/l

RT: 7.488 min Scan# 94

Delta R.T. 0.006 min

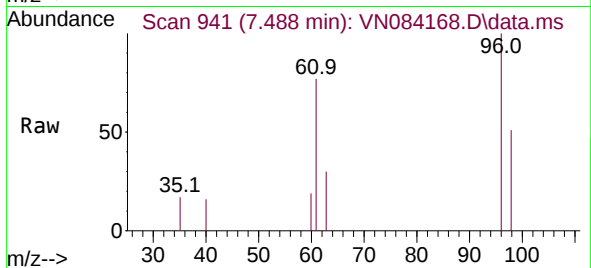
Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :



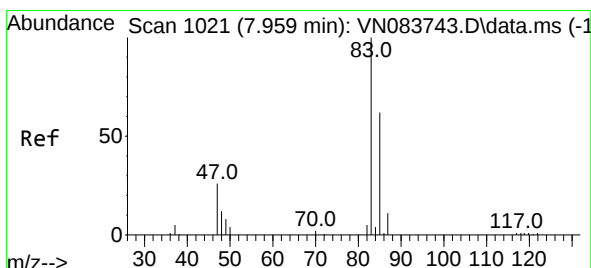
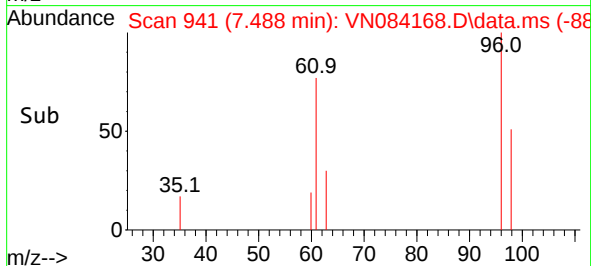
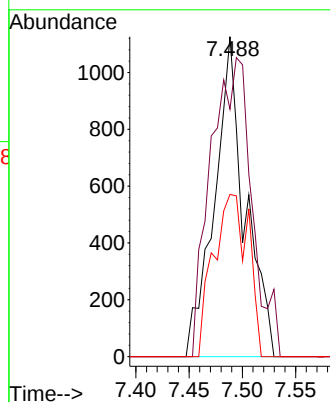
Tgt Ion: 96 Resp: 2242

Ion Ratio Lower Upper

96 100

61 126.2 0.0 306.2

98 58.2 0.0 128.6



#30

Chloroform

Concen: 0.225 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN084168.D

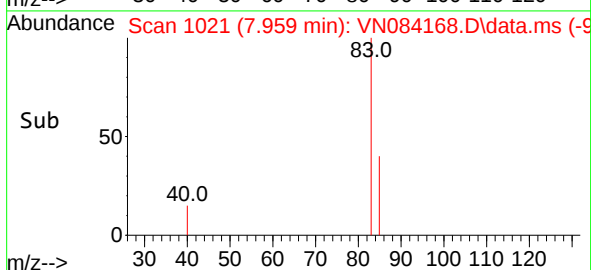
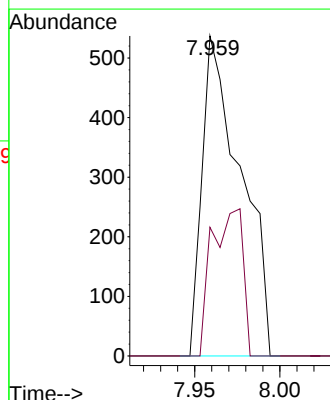
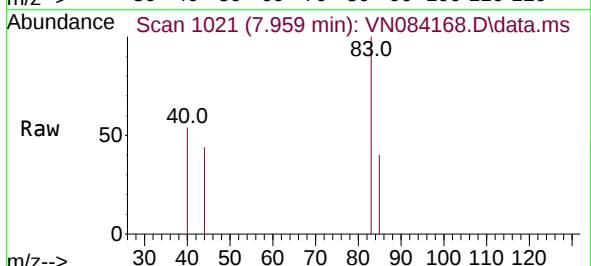
Acq: 25 Sep 2024 18:35

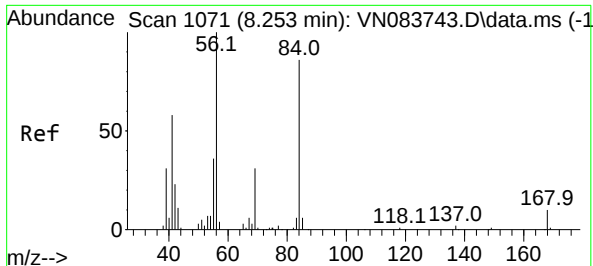
Tgt Ion: 83 Resp: 849

Ion Ratio Lower Upper

83 100

85 40.2 52.8 79.2#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

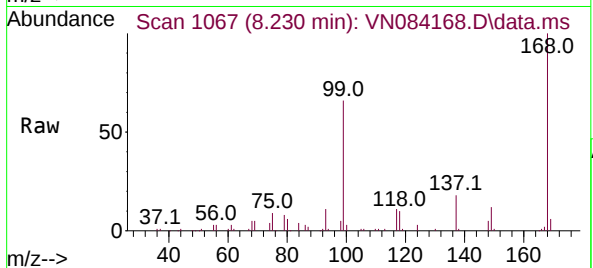
Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

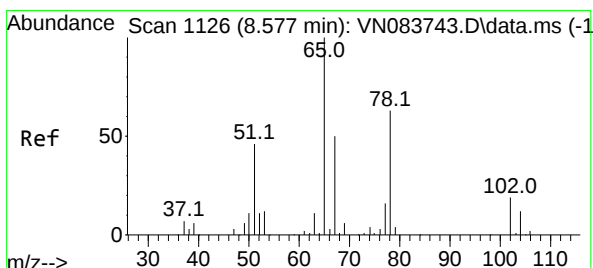
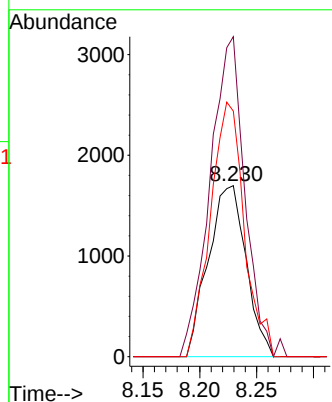
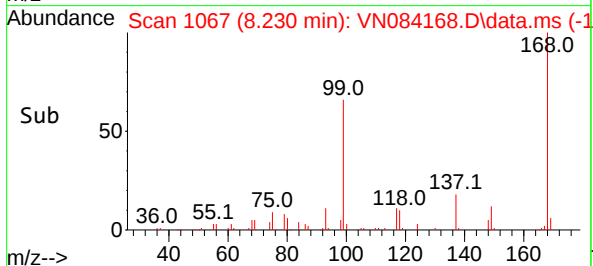
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3920
Ion Ratio	Lower Upper
56	100
69	187.1 26.9 40.3#
84	143.6 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 50.547 ug/l

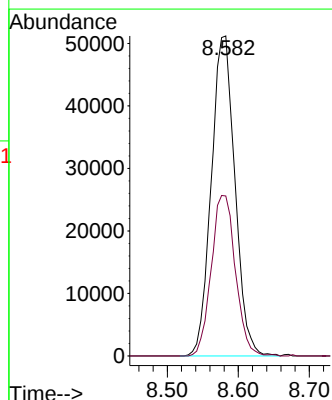
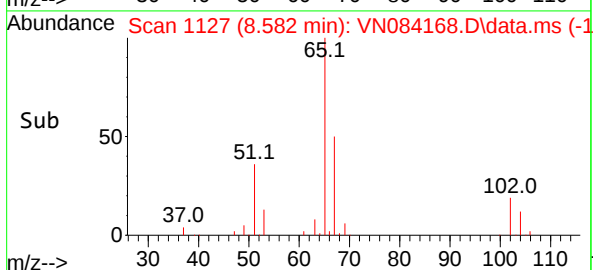
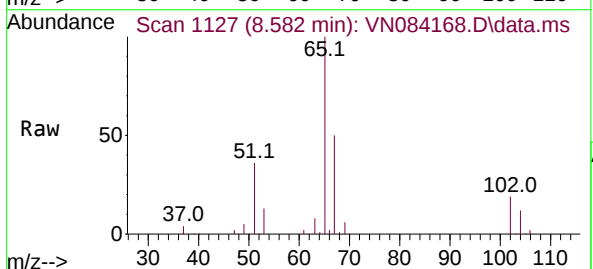
RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Tgt Ion: 65	Resp: 118336
Ion Ratio	Lower Upper
65	100
67	51.2 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: VN084168.D

Acq: 25 Sep 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :

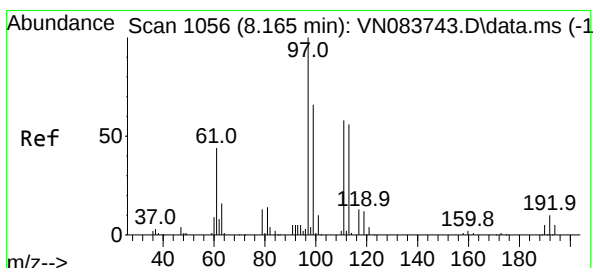
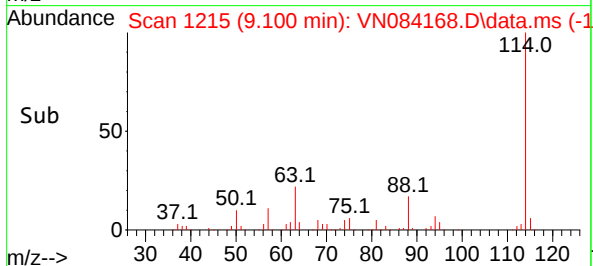
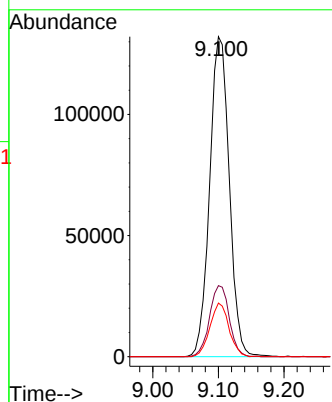
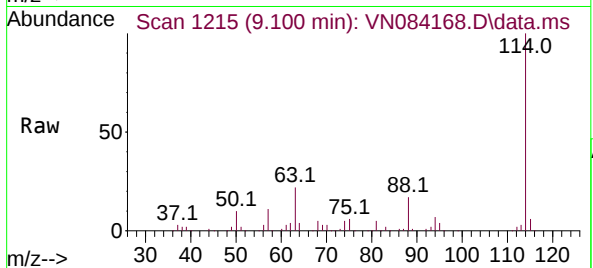
Tgt Ion:114 Resp: 274137

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.194 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

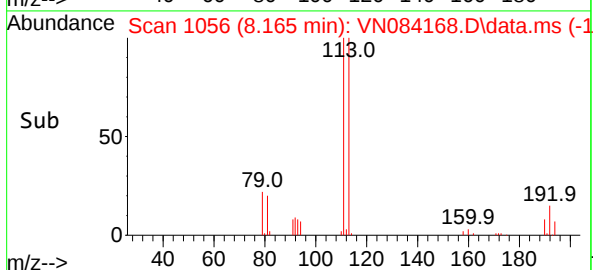
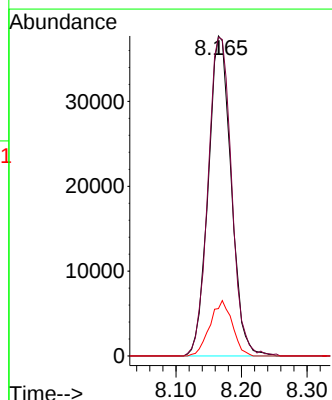
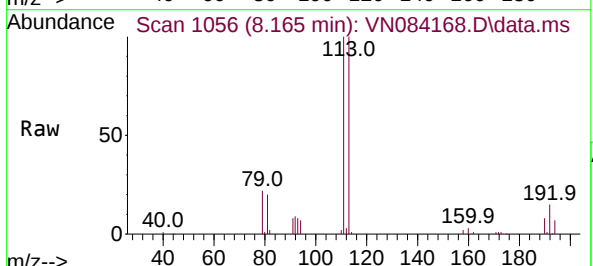
Tgt Ion:113 Resp: 91600

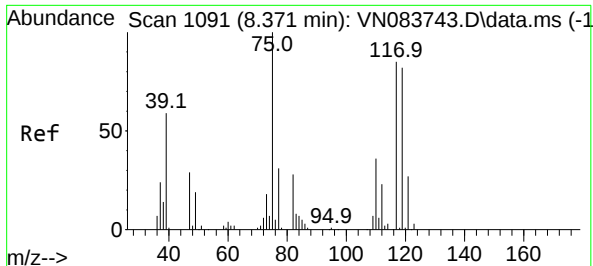
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.339 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

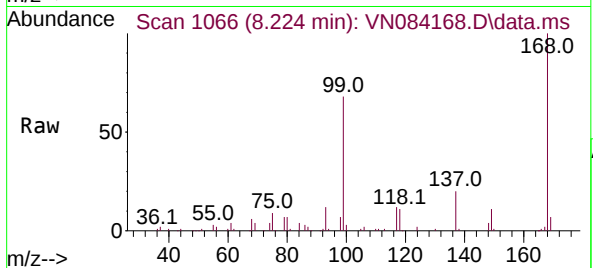
Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

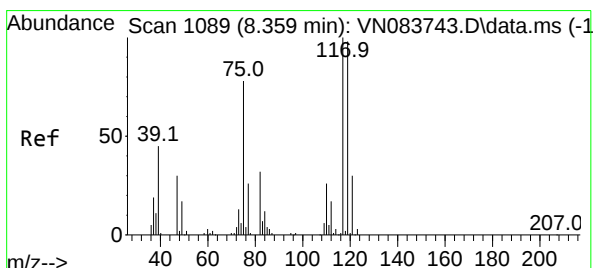
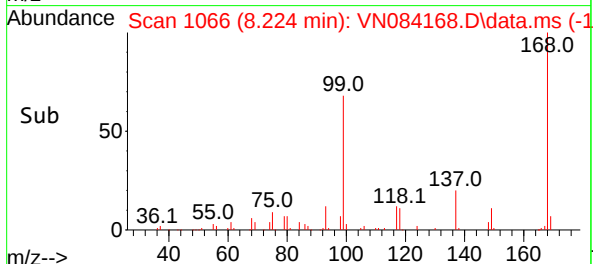
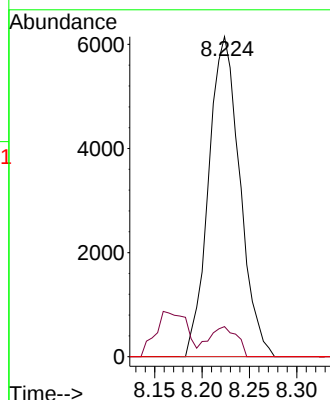
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 14104
Ion Ratio	Lower Upper
75	100
110	8.5 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.925 ug/l

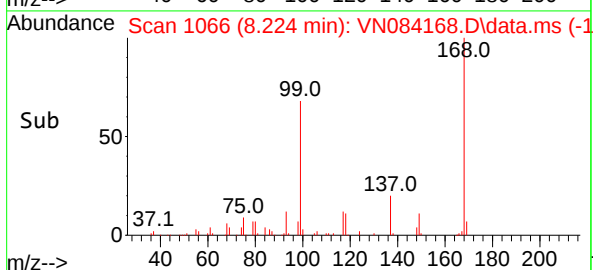
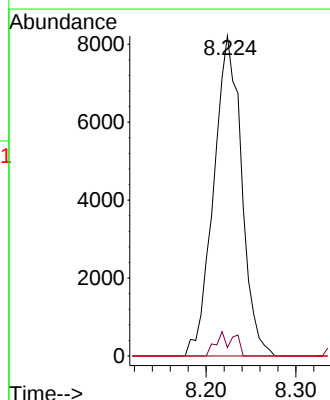
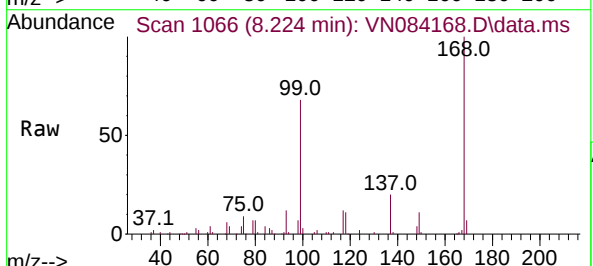
RT: 8.224 min Scan# 1066

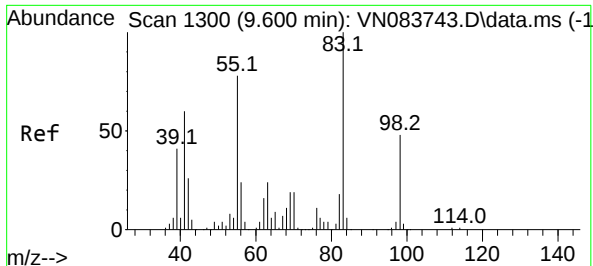
Delta R.T. -0.135 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Tgt Ion: 117	Resp: 17756
Ion Ratio	Lower Upper
117	100
119	2.6 76.1 114.1#
121	0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 1.197 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.247 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :

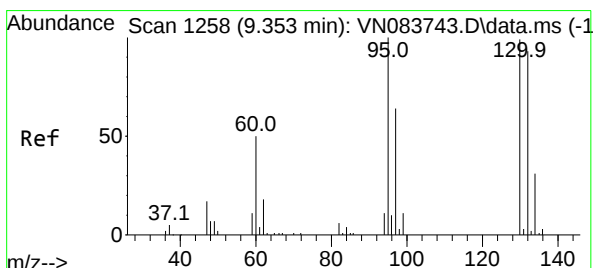
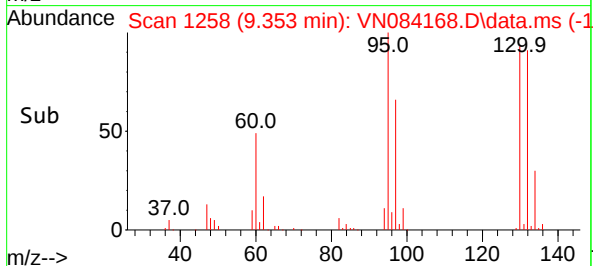
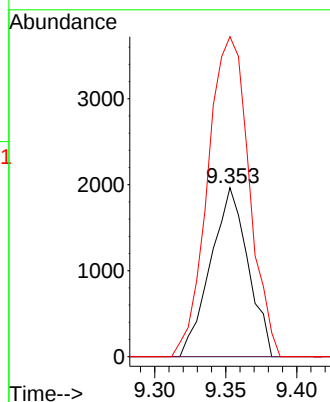
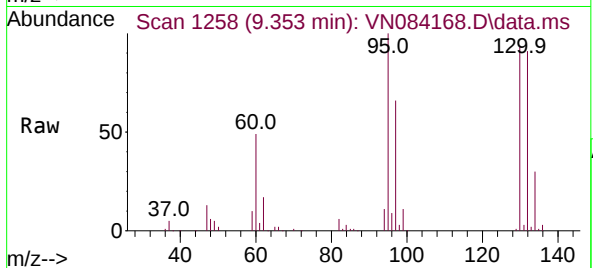
Tgt Ion: 83 Resp: 3600

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 189.3 37.6 56.4#



#44

Trichloroethene

Concen: 153.223 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084168.D

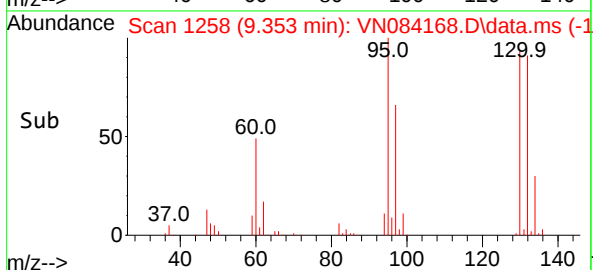
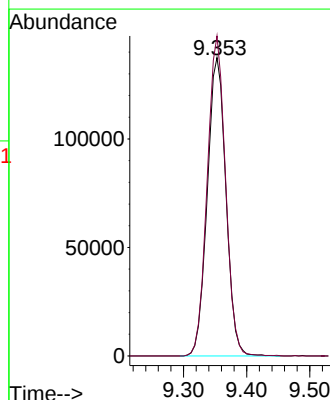
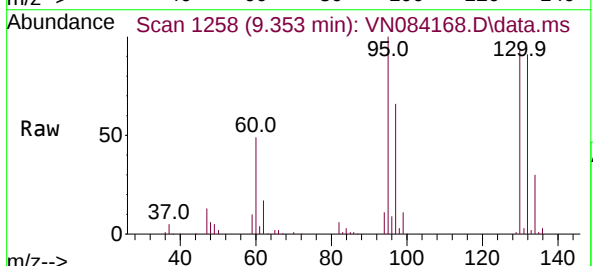
Acq: 25 Sep 2024 18:35

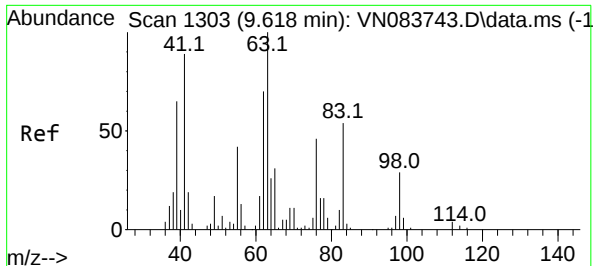
Tgt Ion:130 Resp: 282106

Ion Ratio Lower Upper

130 100

95 107.3 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Instrument :

MSVOA_N

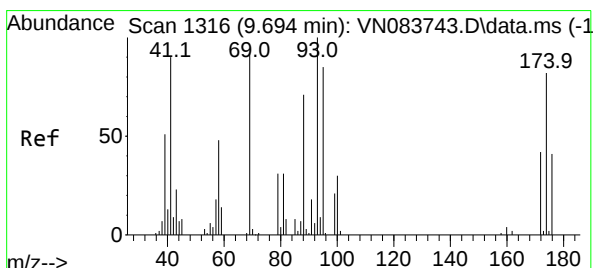
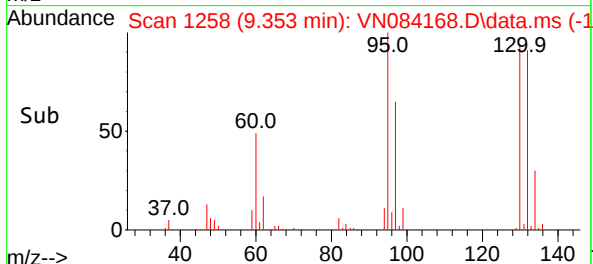
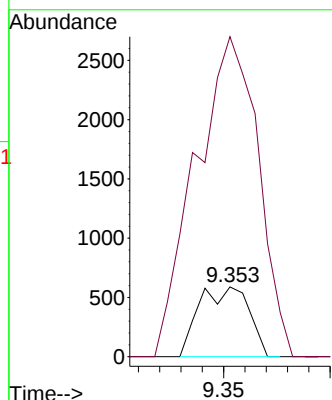
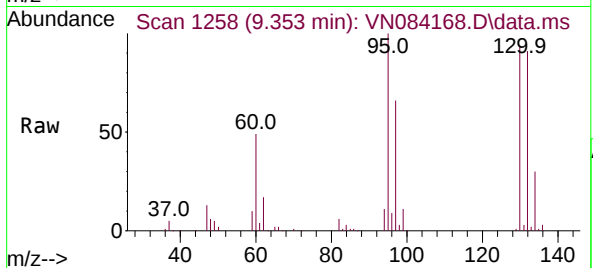
ClientSampleId :

Tgt Ion: 63 Resp: 960

Ion Ratio Lower Upper

63 100

65 395.2 25.9 38.9#



#49

1,4-Dioxane

Concen: 17.988 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

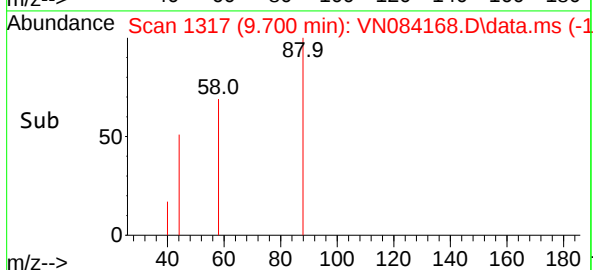
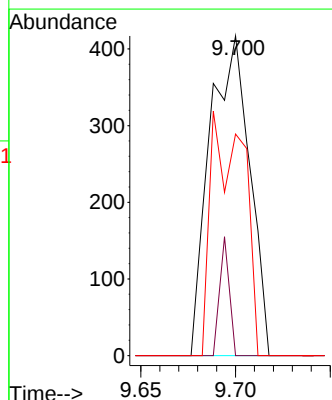
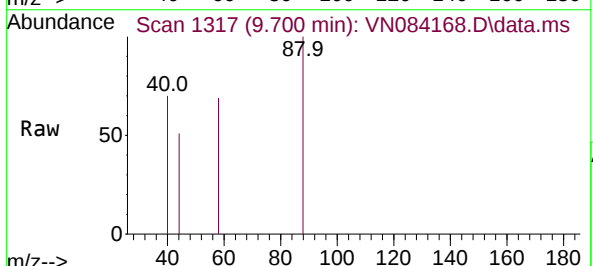
Tgt Ion: 88 Resp: 610

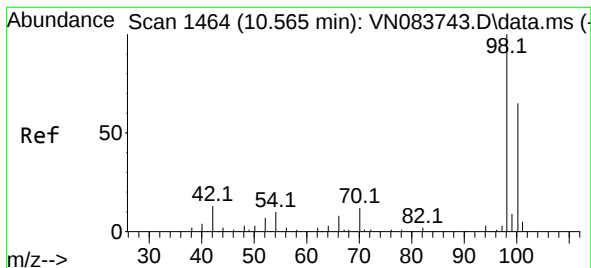
Ion Ratio Lower Upper

88 100

43 9.0 0.0 0.0#

58 63.1 57.1 85.7





#50

Toluene-d8

Concen: 55.635 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Instrument :

MSVOA_N

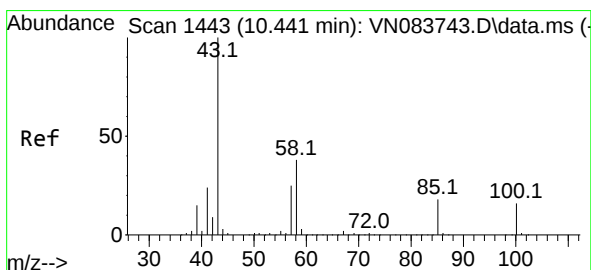
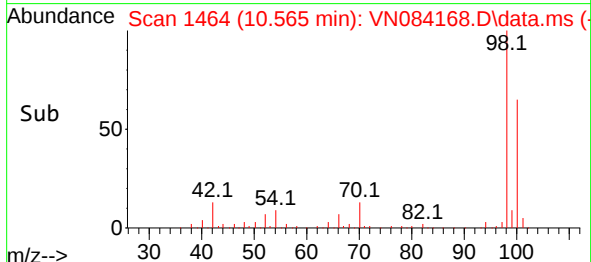
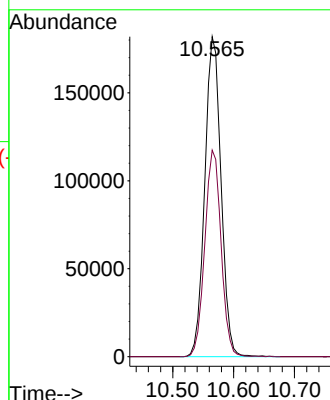
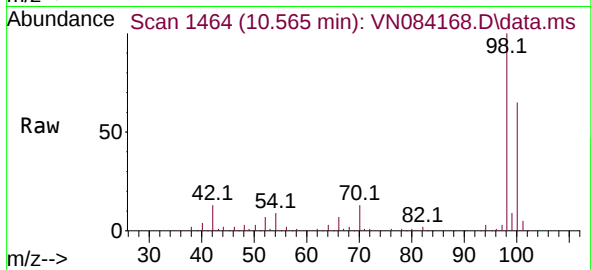
ClientSampleId :

Tgt Ion: 98 Resp: 337540

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.681 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.123 min

Lab File: VN084168.D

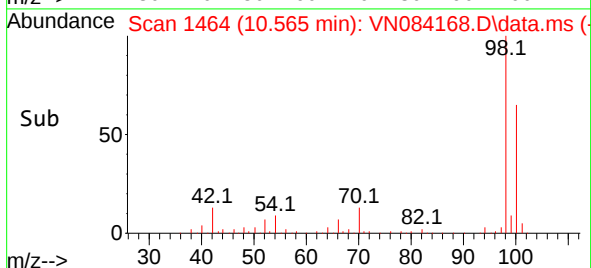
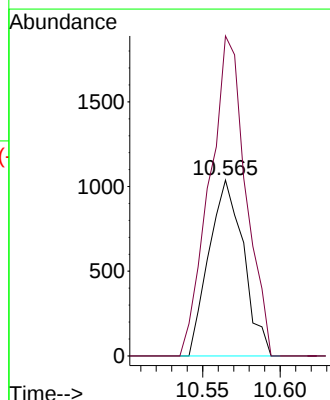
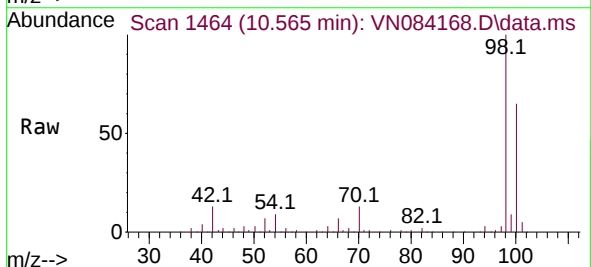
Acq: 25 Sep 2024 18:35

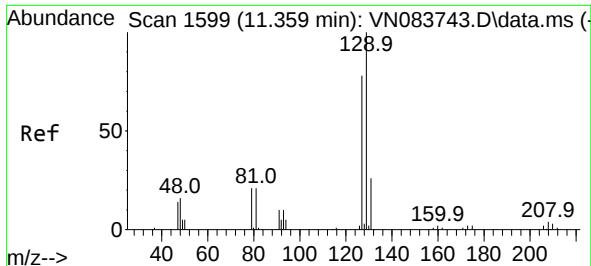
Tgt Ion: 43 Resp: 1611

Ion Ratio Lower Upper

43 100

58 190.7 31.6 47.4#

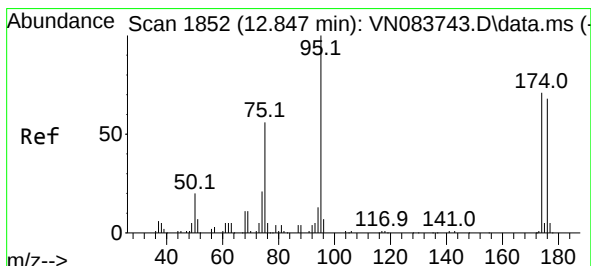
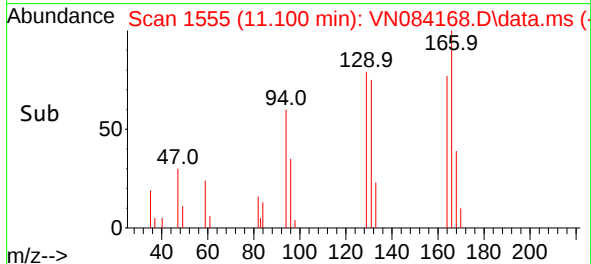
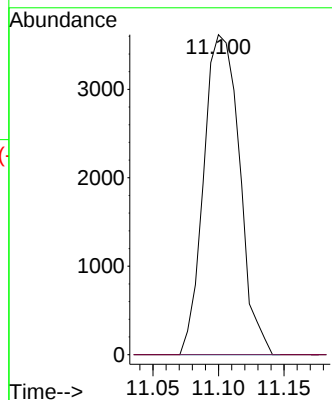
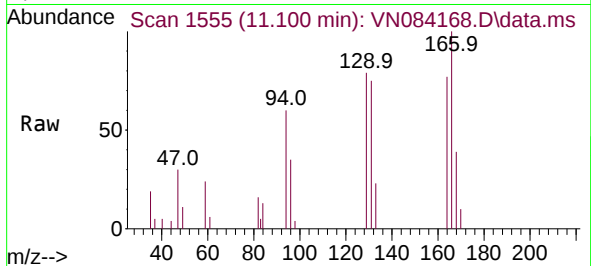




#60
Dibromochloromethane
Concen: 3.384 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

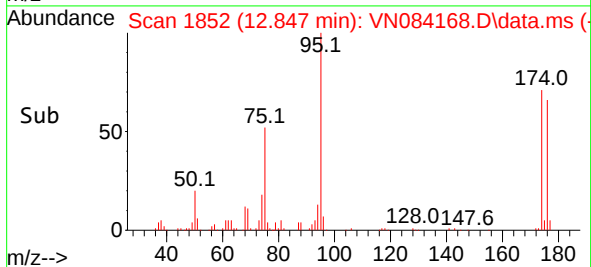
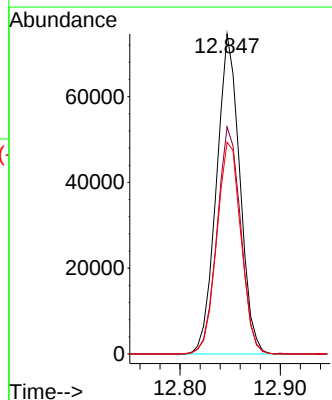
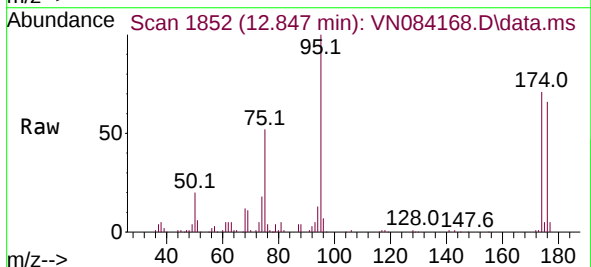
Instrument :
MSVOA_N
ClientSampleId :

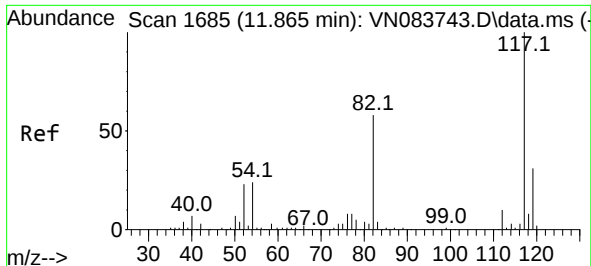
Tgt Ion:129 Resp: 6876
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 48.049 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Tgt Ion: 95 Resp: 120274
Ion Ratio Lower Upper
95 100
174 72.1 0.0 139.8
176 68.8 0.0 131.4

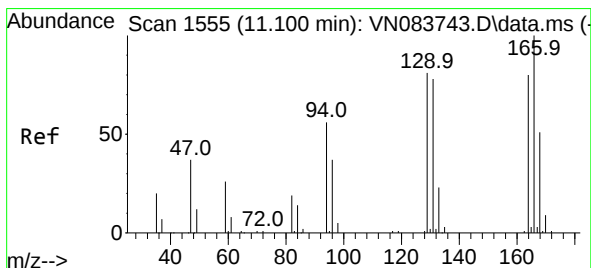
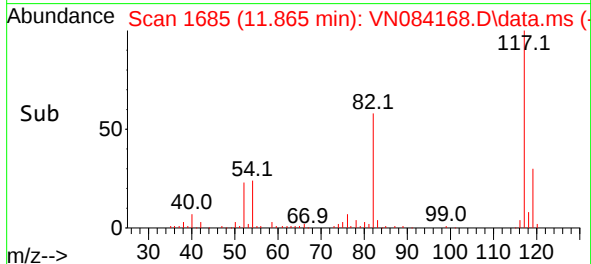
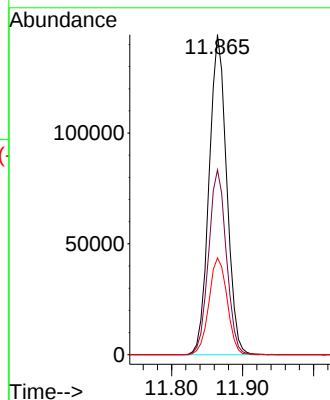
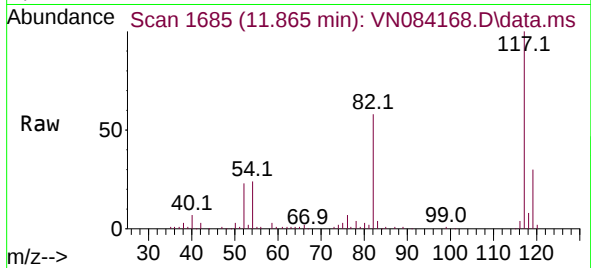




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

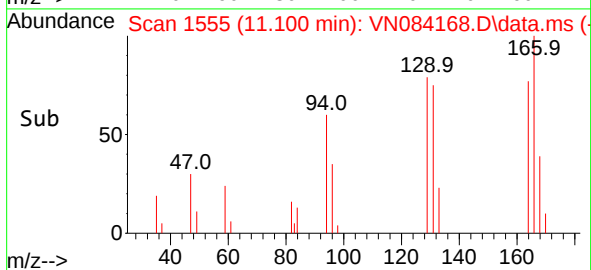
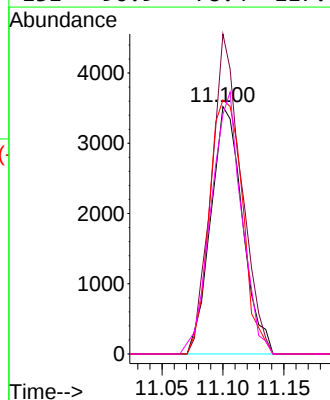
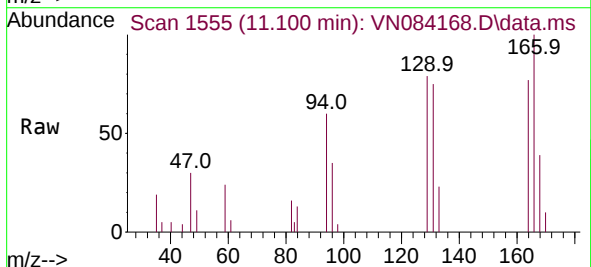
Instrument :
MSVOA_N
ClientSampleId :

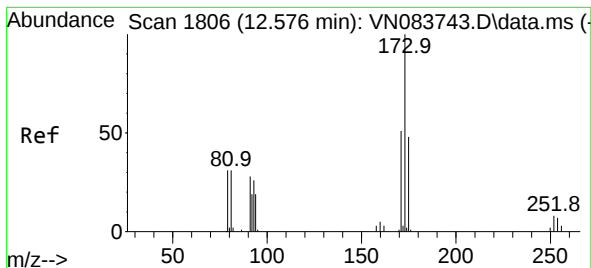
Tgt Ion:117 Resp: 247955
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 30.3 26.3 39.5



#64
Tetrachloroethene
Concen: 3.877 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Tgt Ion:164 Resp: 6393
Ion Ratio Lower Upper
164 100
166 129.3 103.7 155.5
129 102.7 79.9 119.9
131 96.9 78.4 117.6





#71

Bromoform

Concen: 0.409 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

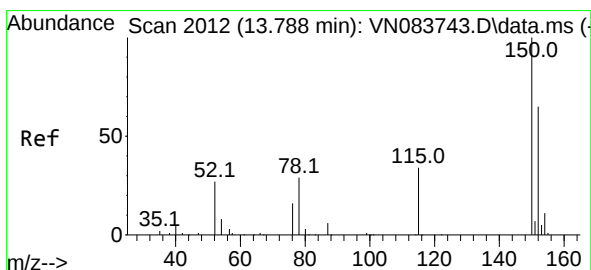
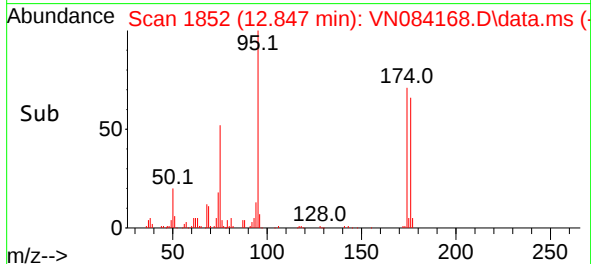
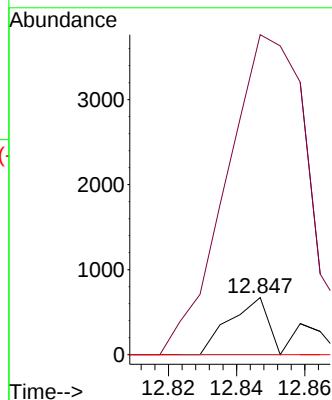
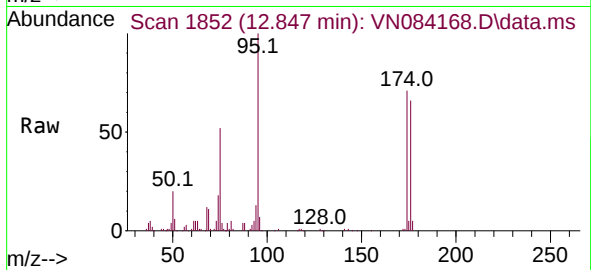
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 527

Ion	Ratio	Lower	Upper
173	100		
175	873.1	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

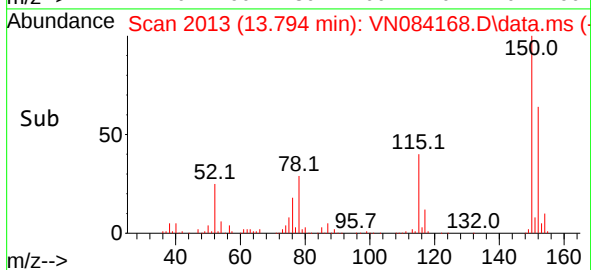
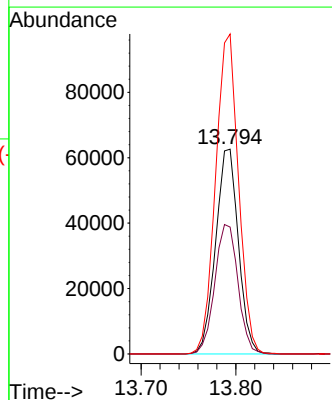
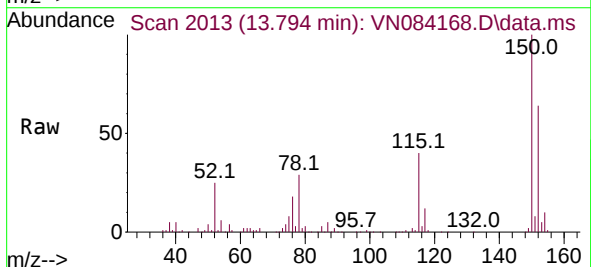
Delta R.T. 0.006 min

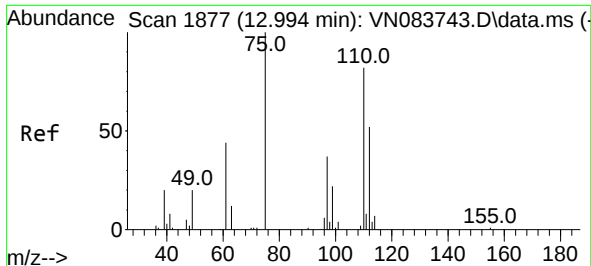
Lab File: VN084168.D

Acq: 25 Sep 2024 18:35

Tgt Ion:152 Resp: 104708

Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.2	96.6
150	156.8	0.0	348.6

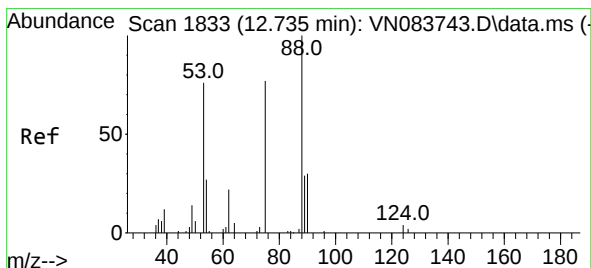
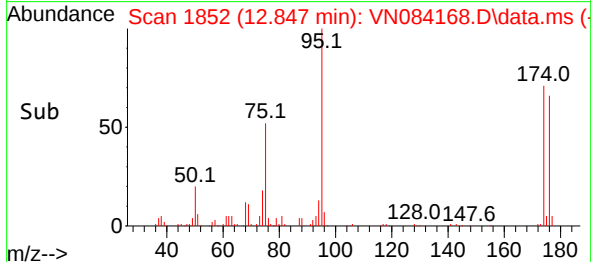
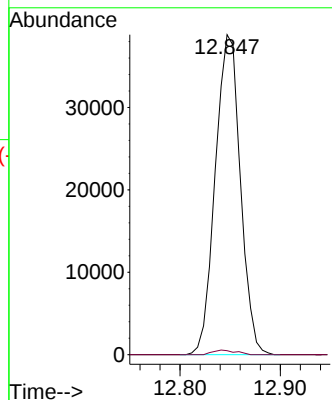
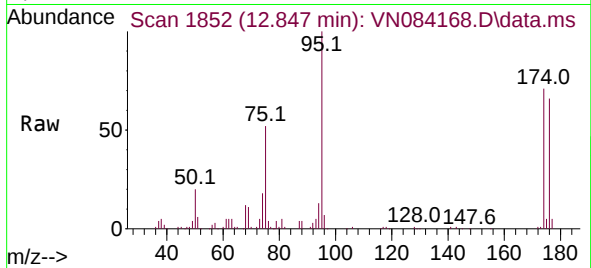




#76
1,2,3-Trichloropropane
Concen: 31.953 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67511
Ion Ratio Lower Upper
75 100
77 1.3 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.688 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084168.D
Acq: 25 Sep 2024 18:35

Tgt Ion: 75 Resp: 67511
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

