

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084144.D
 Acq On : 24 Sep 2024 19:07
 Operator : JC\MD
 Sample : P4116-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20240916

Quant Time: Sep 25 01:39:41 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)

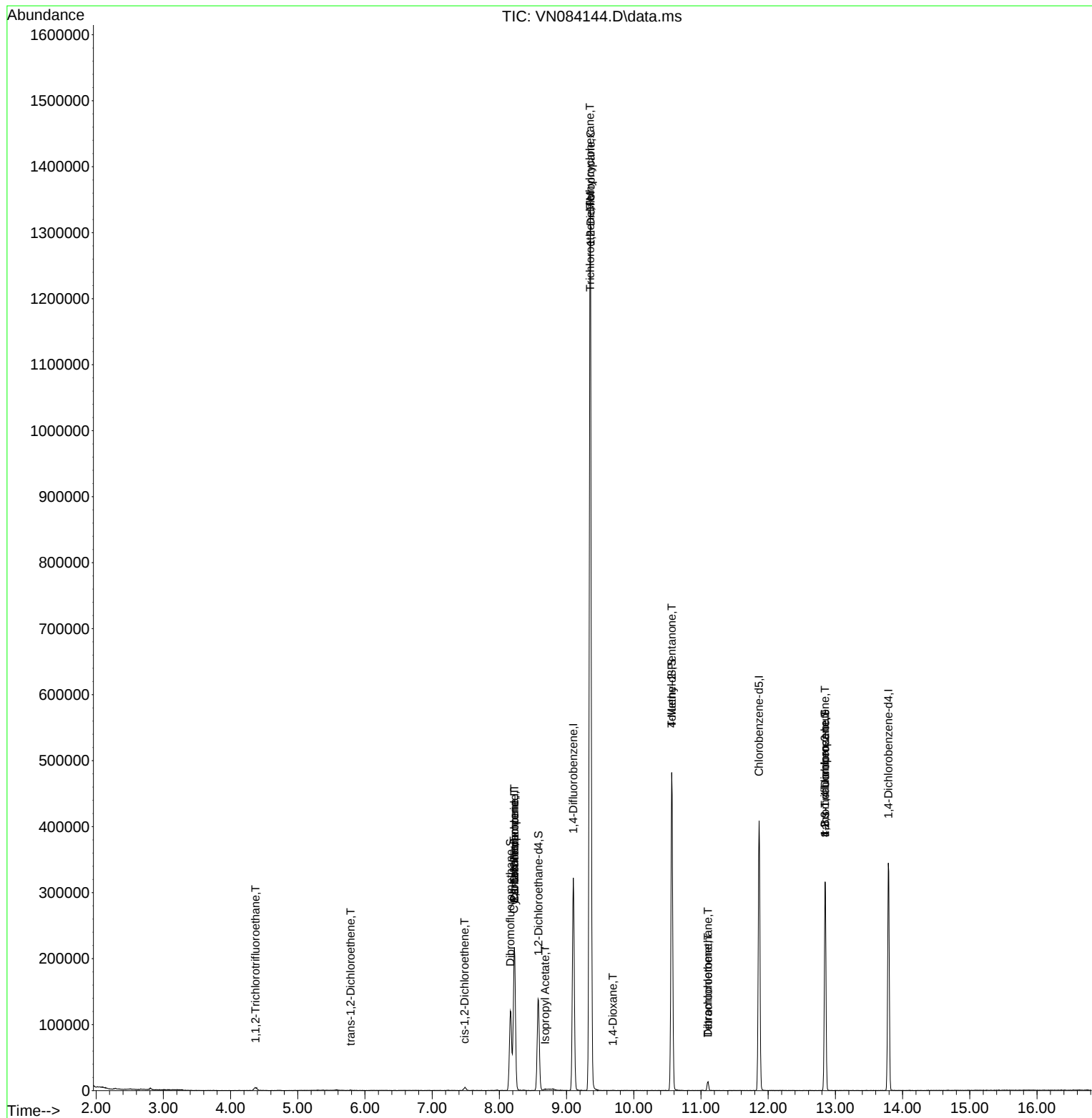
Internal Standards						
1) Pentafluorobenzene	8.224	168	149606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116969	51.851	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.700%	
35) Dibromofluoromethane	8.165	113	86326	51.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	10.565	98	321189	55.178	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.360%	
62) 4-Bromofluorobenzene	12.847	95	106802	44.471	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	268	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.371	101	3736	2.180	ug/l #	90
18) Methyl Acetate	5.041	43	54	Below Cal	#	52
21) trans-1,2-Dichloroethene	5.788	96	357	0.206	ug/l #	71
27) cis-1,2-Dichloroethene	7.482	96	2844	1.382	ug/l	90
31) Cyclohexane	8.218	56	3811	1.169	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13201	5.209	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16680	5.801	ug/l #	16
39) Methylcyclohexane	9.347	83	5924	2.054	ug/l #	1
43) Isopropyl Acetate	8.682	43	1431	0.343	ug/l #	57
44) Trichloroethene	9.353	130	463489	262.382	ug/l	91
45) 1,2-Dichloropropane	9.359	63	1704	0.924	ug/l #	1
49) 1,4-Dioxane	9.688	88	167	5.133	ug/l #	80
51) 4-Methyl-2-Pentanone	10.565	43	1338	0.590	ug/l #	1
60) Dibromochloromethane	11.106	129	2889	1.482	ug/l #	10
64) Tetrachloroethene	11.106	164	3315	2.200	ug/l #	81
76) 1,2,3-Trichloropropane	12.847	75	60716	34.127	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60716	89.381	ug/l #	9

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

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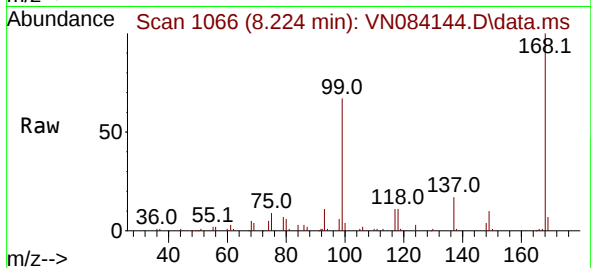
Quant Time: Sep 25 01:39:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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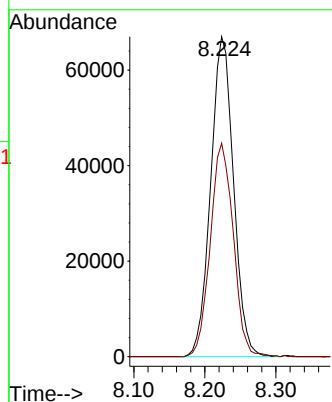
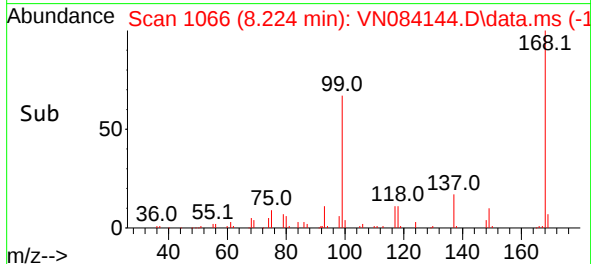


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :
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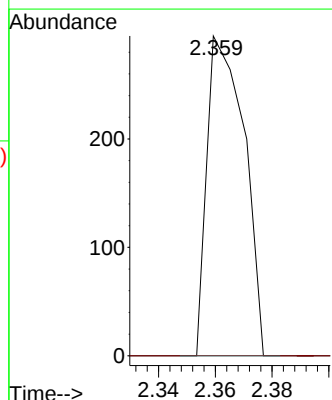
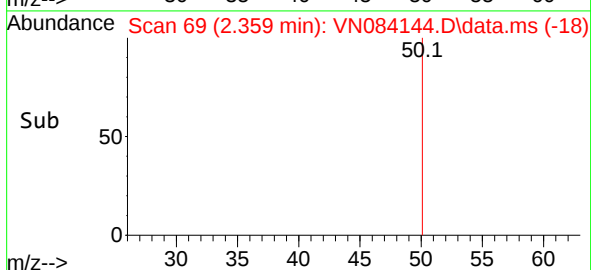
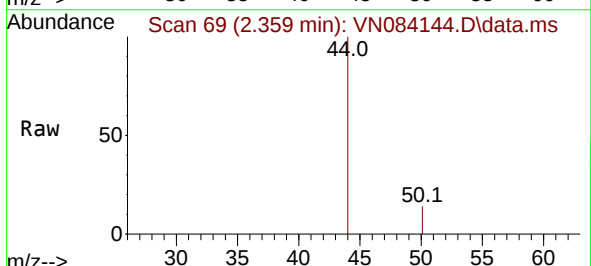


Tgt Ion:168 Resp: 149606
Ion Ratio Lower Upper
168 100
99 66.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion: 50 Resp: 268
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

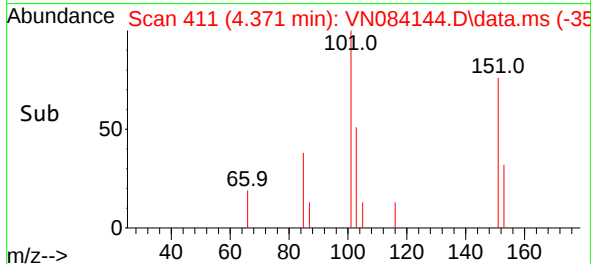
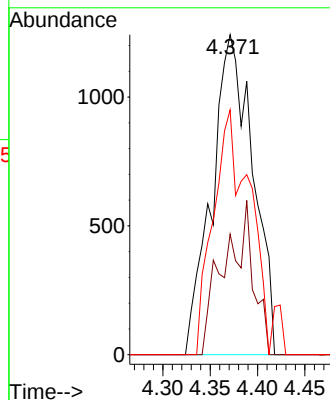
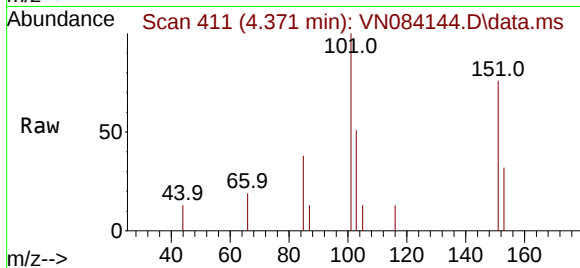




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.180 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

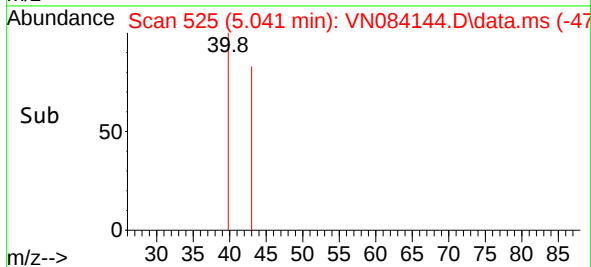
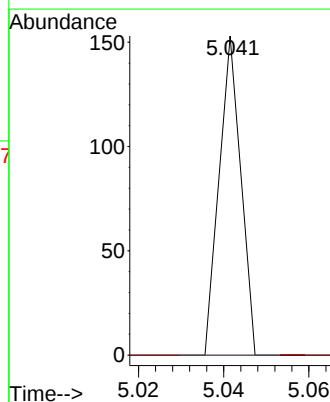
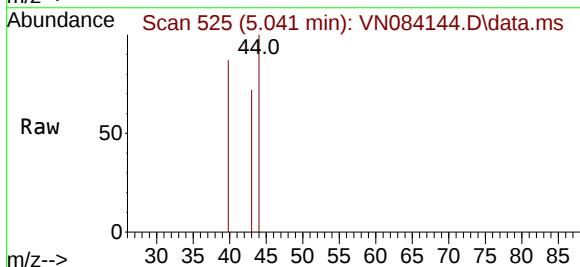
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916

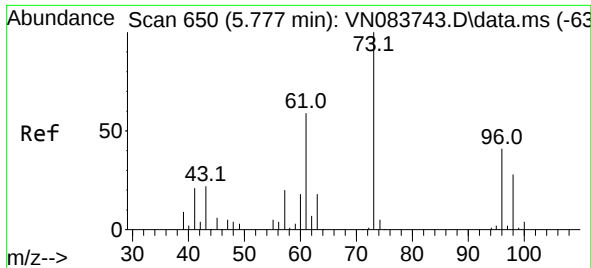
Tgt Ion:101 Resp: 3736
Ion Ratio Lower Upper
101 100
85 33.9 36.2 54.4#
151 67.5 57.7 86.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.041 min Scan# 525
Delta R.T. 0.017 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

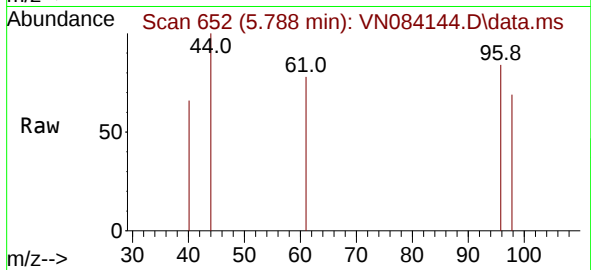
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#





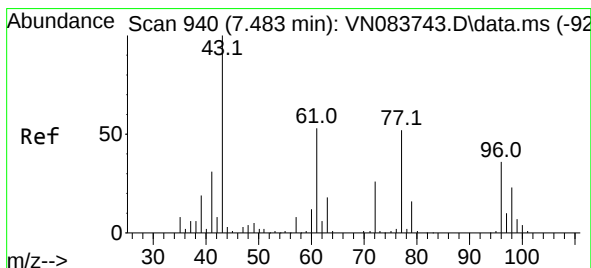
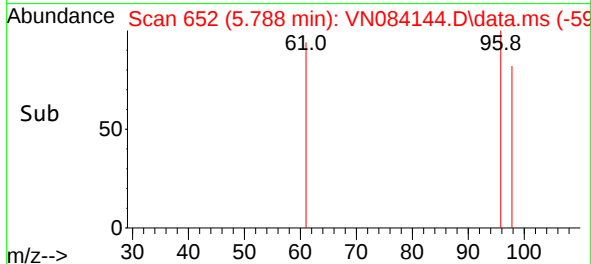
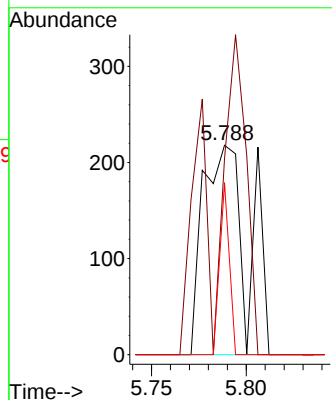
#21
trans-1,2-Dichloroethene
Concen: 0.206 ug/l
RT: 5.788 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916



Tgt Ion: 96 Resp: 357

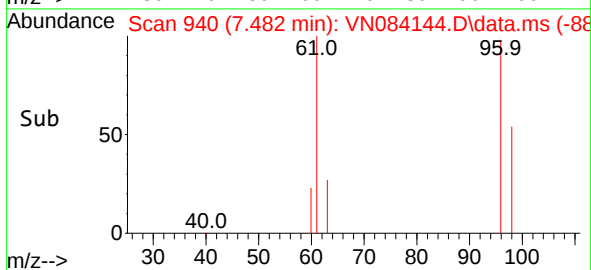
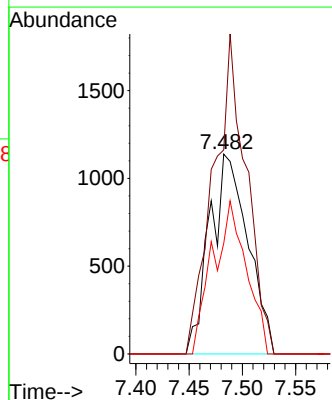
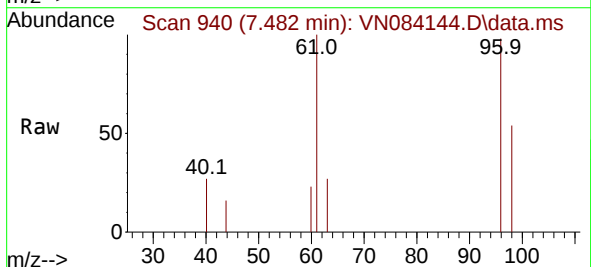
Ion	Ratio	Lower	Upper
96	100		
61	93.6	106.0	159.0#
98	82.1	52.2	78.2#

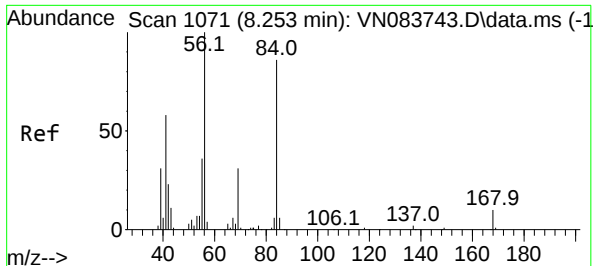


#27
cis-1,2-Dichloroethene
Concen: 1.382 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion: 96 Resp: 2844

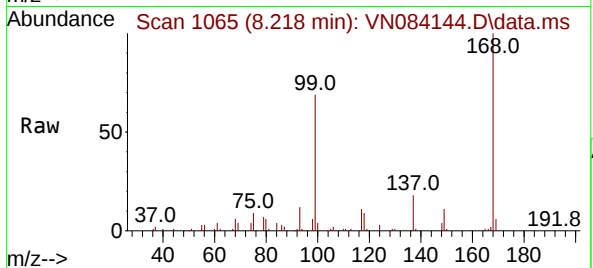
Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	306.2
98	67.8	0.0	128.6



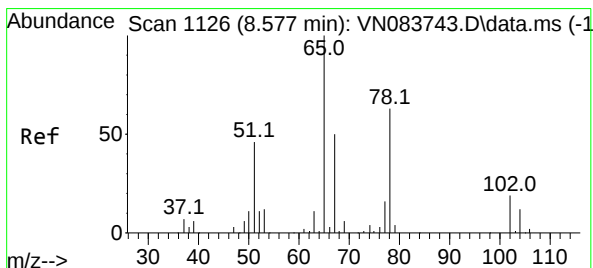
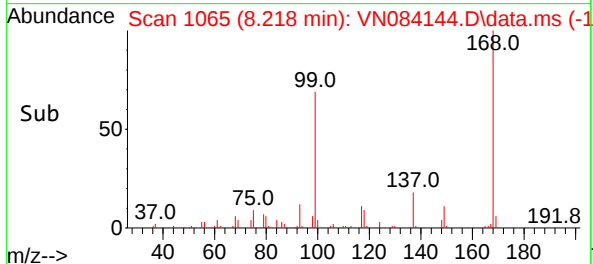
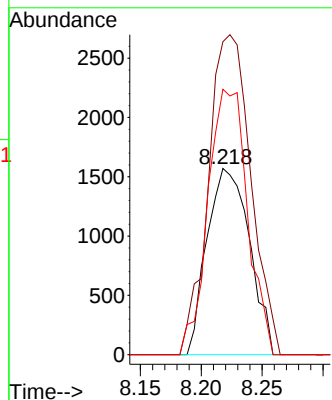


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

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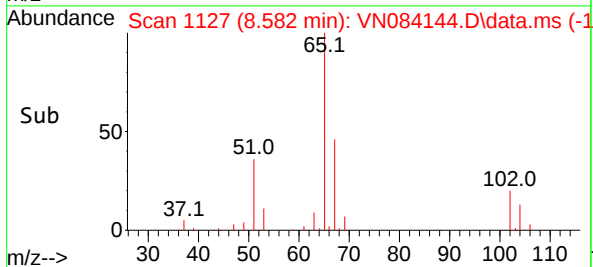
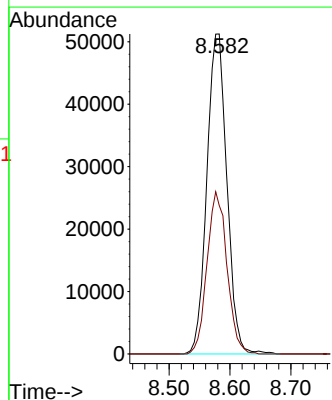
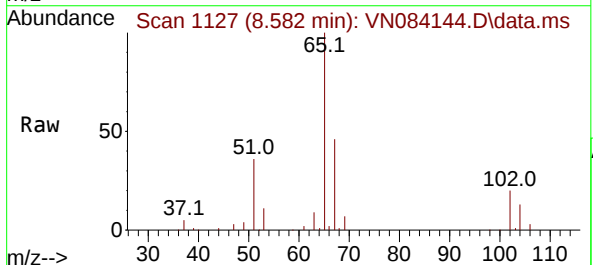


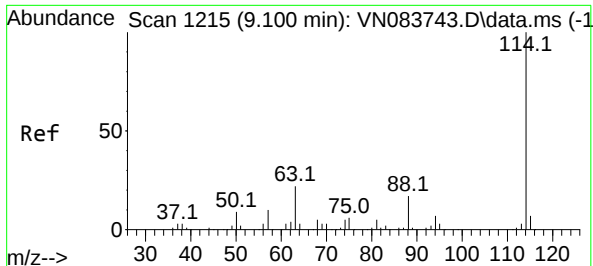
Tgt Ion: 56 Resp: 3811
Ion Ratio Lower Upper
56 100
69 168.1 26.9 40.3#
84 142.5 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 51.851 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion: 65 Resp: 116969
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.8

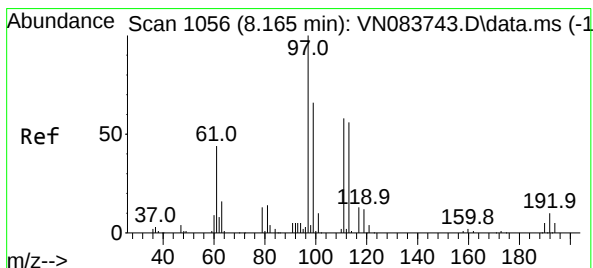
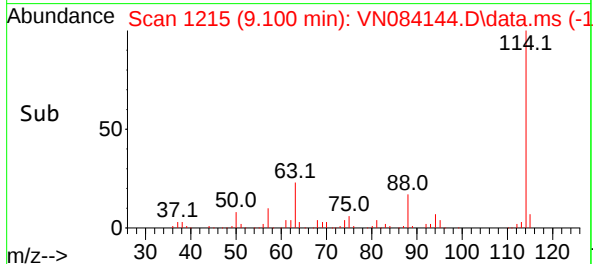
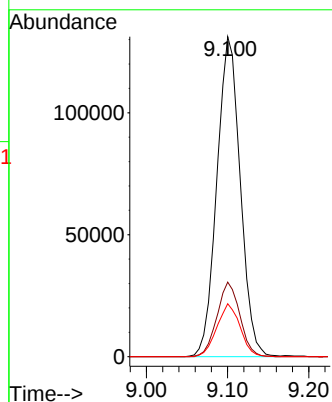
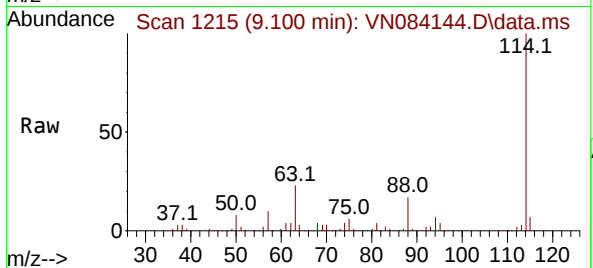




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

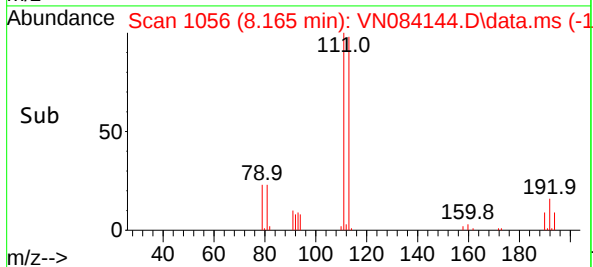
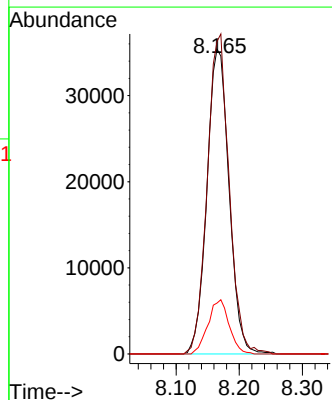
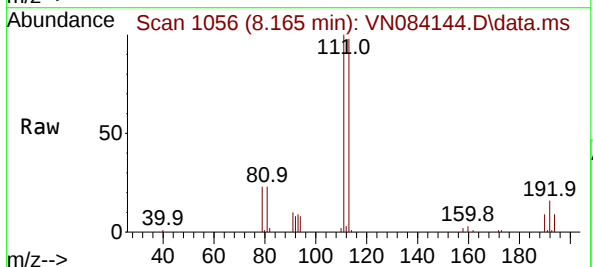
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ClientSampleId :
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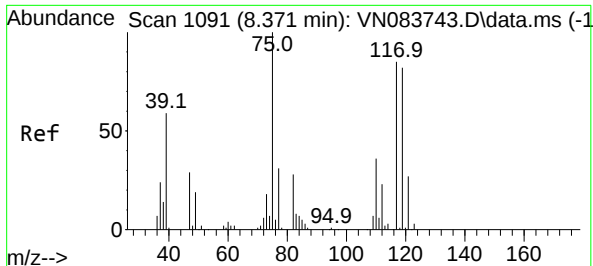
Tgt Ion:114 Resp: 263017
Ion Ratio Lower Upper
114 100
63 23.3 0.0 43.4
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.269 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion:113 Resp: 86326
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 17.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.209 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20240916

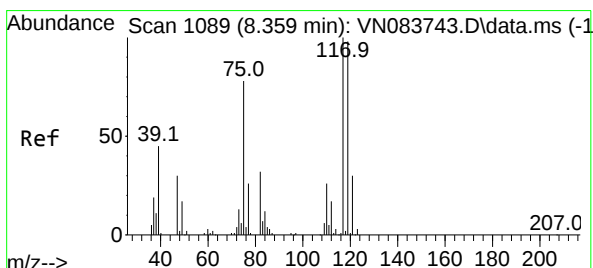
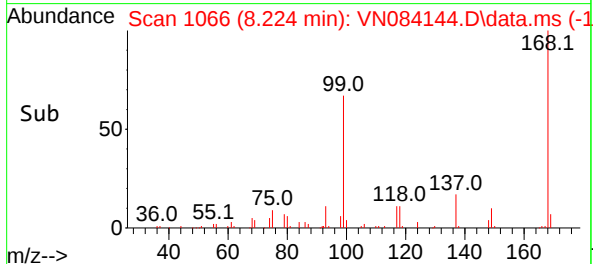
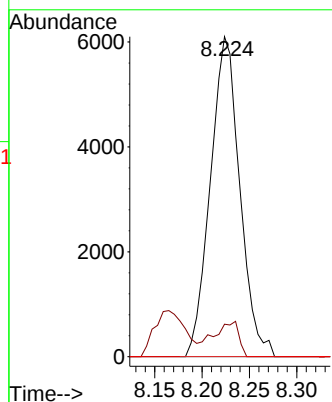
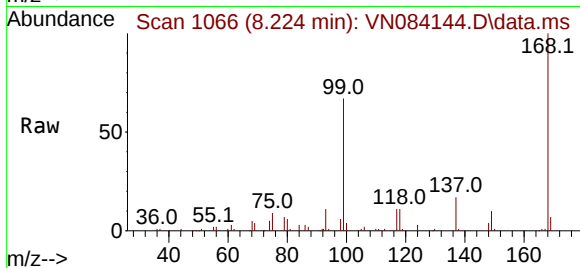
Tgt Ion: 75 Resp: 13201

Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.801 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

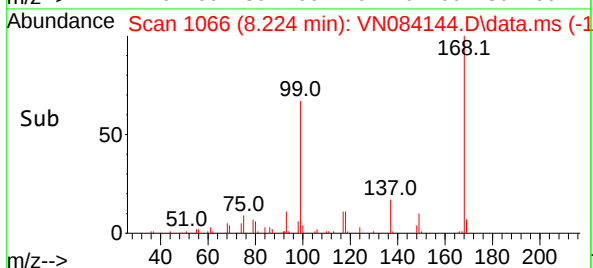
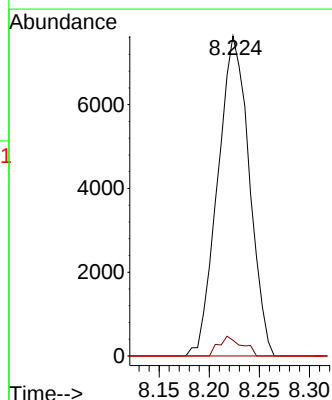
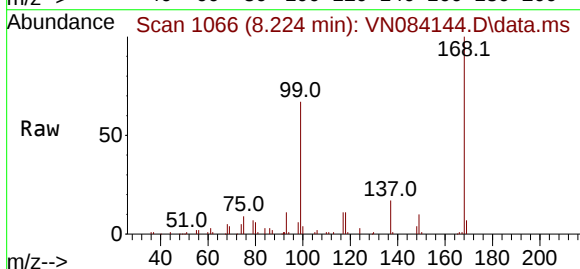
Tgt Ion: 117 Resp: 16680

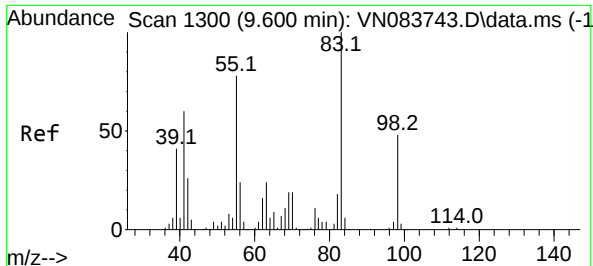
Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 2.054 ug/l

RT: 9.347 min Scan# 1125

Delta R.T. -0.253 min

Lab File: VN084144.D

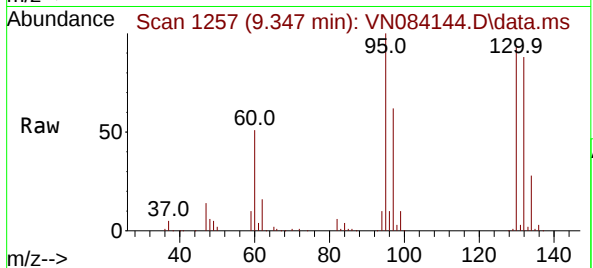
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Instrument :

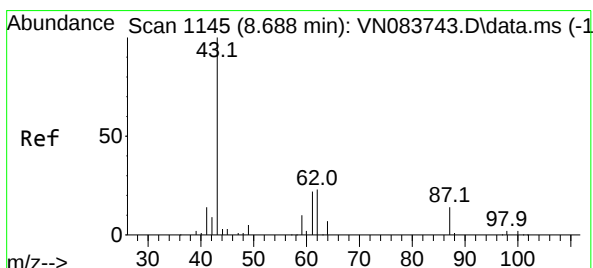
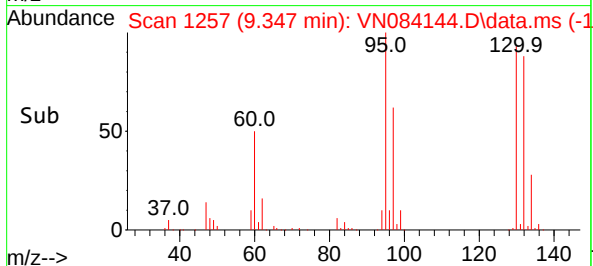
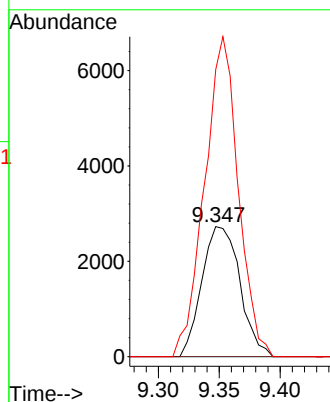
MSVOA_N

ClientSampleId :

RE122D1-20240916



Tgt Ion:	83	Resp:	5924
Ion Ratio	Lower	Upper	
83	100		
55	0.0	62.2	93.4#
98	220.8	37.6	56.4#



#43

Isopropyl Acetate

Concen: 0.343 ug/l

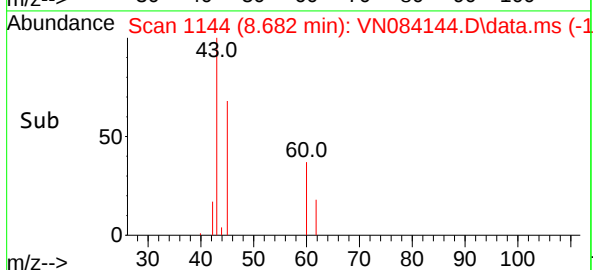
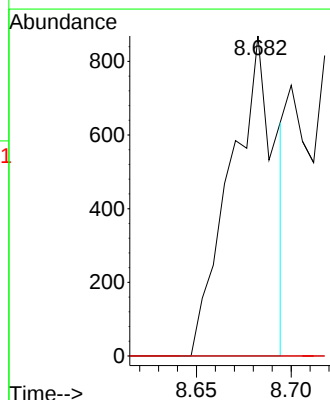
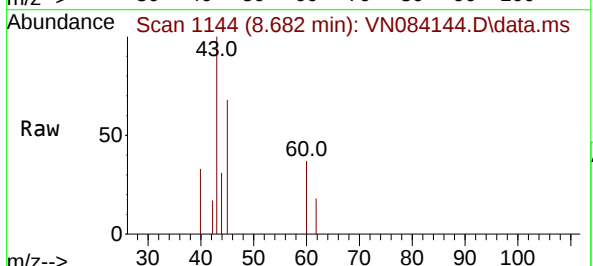
RT: 8.682 min Scan# 1144

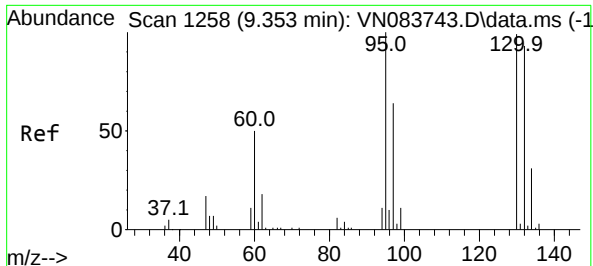
Delta R.T. -0.006 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

Tgt Ion:	43	Resp:	1431
Ion Ratio	Lower	Upper	
43	100		
61	0.0	19.4	29.0#
87	0.0	9.8	14.6#

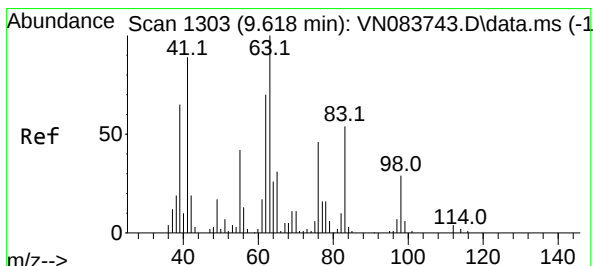
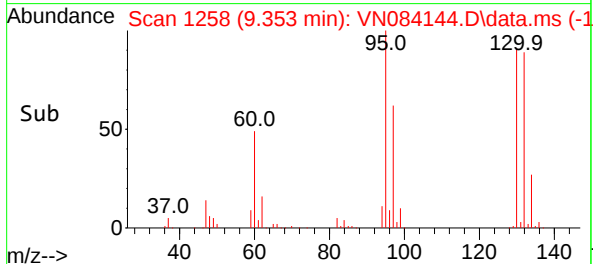
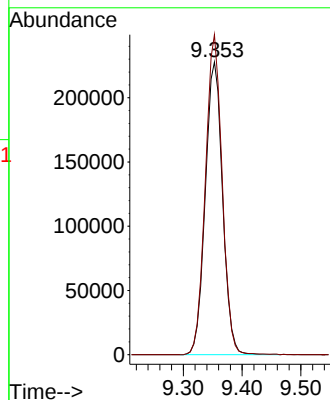
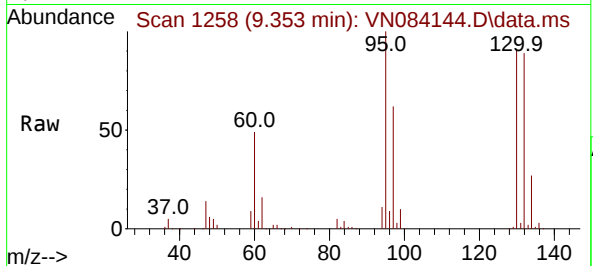




#44
Trichloroethene
Concen: 262.382 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

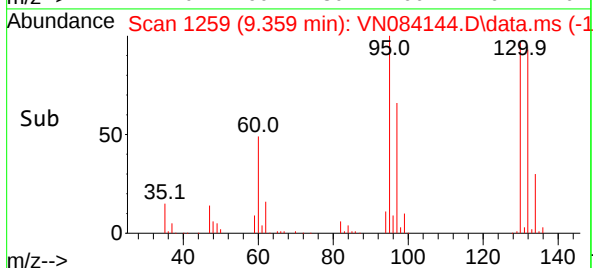
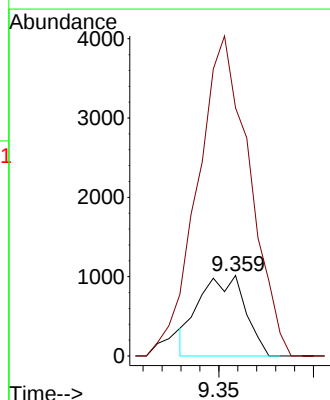
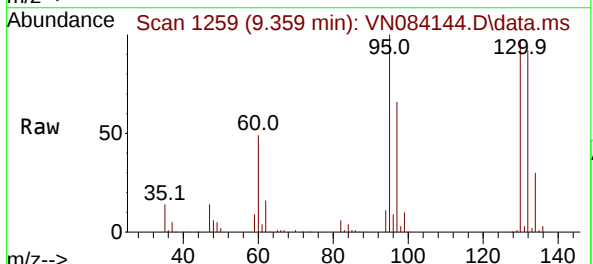
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916

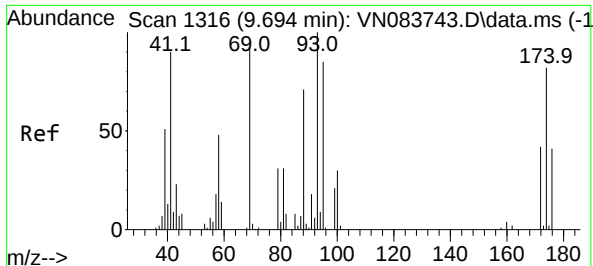
Tgt Ion:130 Resp: 463489
Ion Ratio Lower Upper
130 100
95 109.3 0.0 200.4



#45
1,2-Dichloropropane
Concen: 0.924 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.259 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion: 63 Resp: 1704
Ion Ratio Lower Upper
63 100
65 280.1 25.9 38.9#





#49

1,4-Dioxane

Concen: 5.133 ug/l

RT: 9.688 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20240916

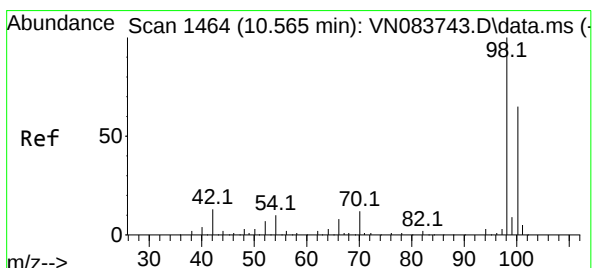
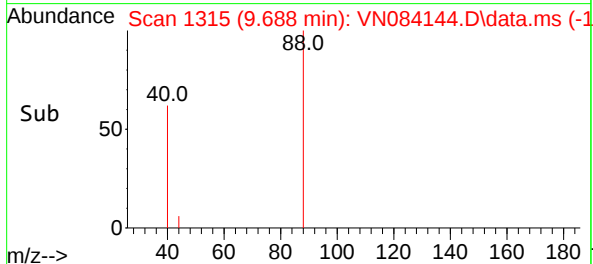
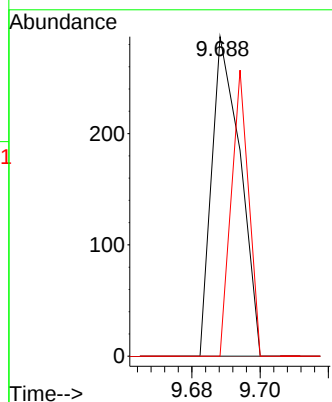
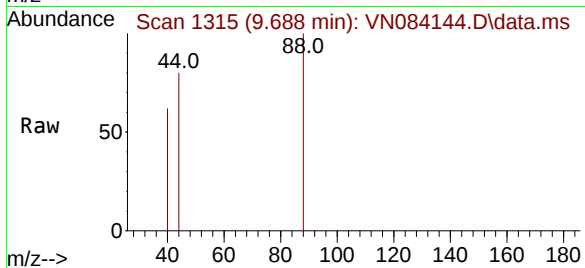
Tgt Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 54.5 57.1 85.7#



#50

Toluene-d8

Concen: 55.178 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084144.D

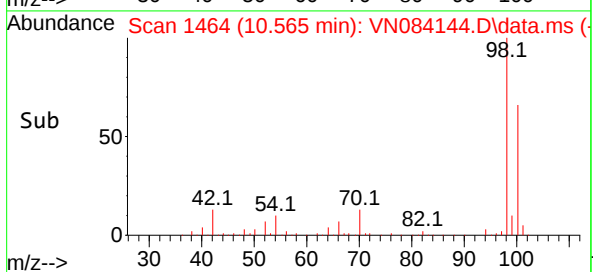
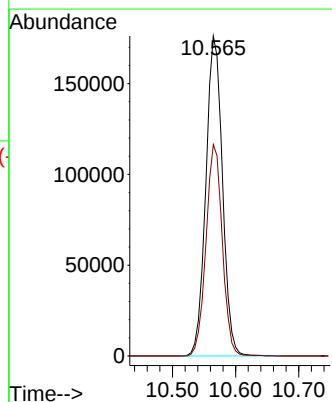
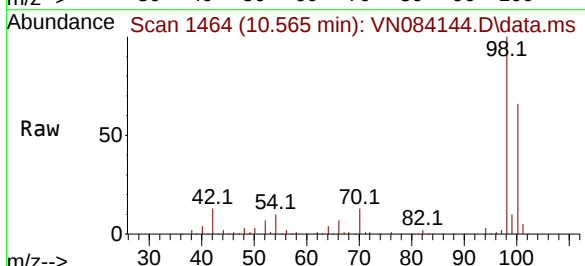
Acq: 24 Sep 2024 19:07

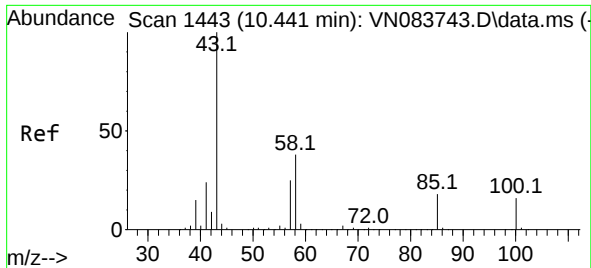
Tgt Ion: 98 Resp: 321189

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.590 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

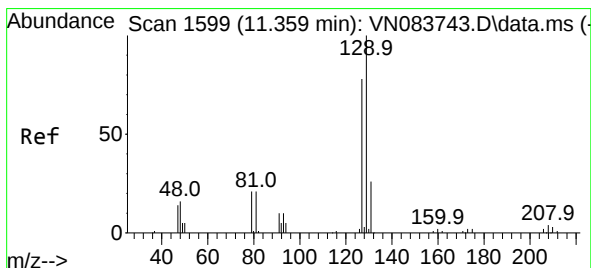
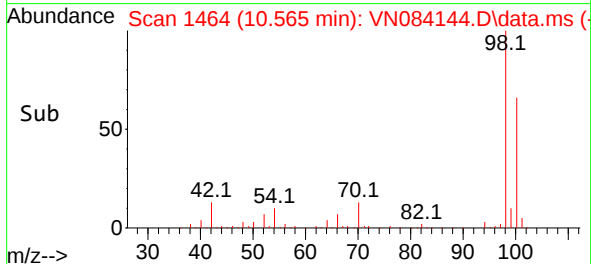
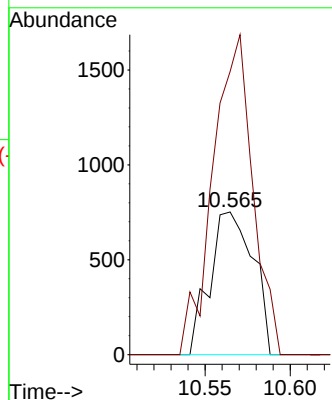
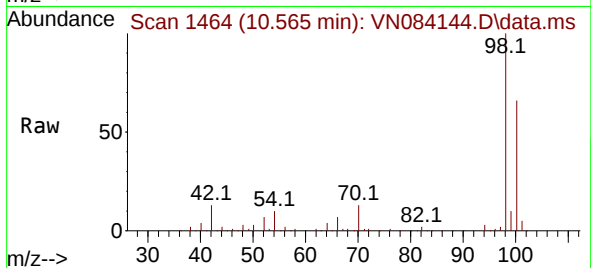
RE122D1-20240916

Tgt Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 204.9 31.6 47.4#



#60

Dibromochloromethane

Concen: 1.482 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN084144.D

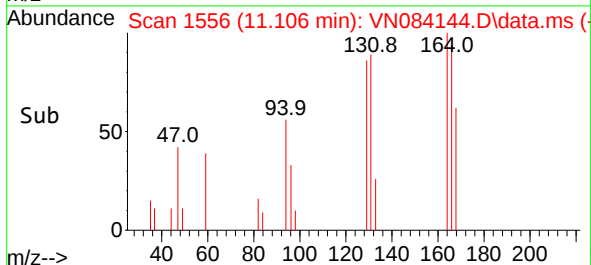
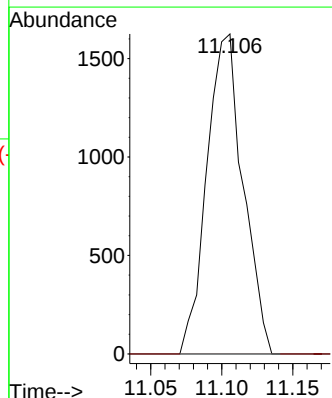
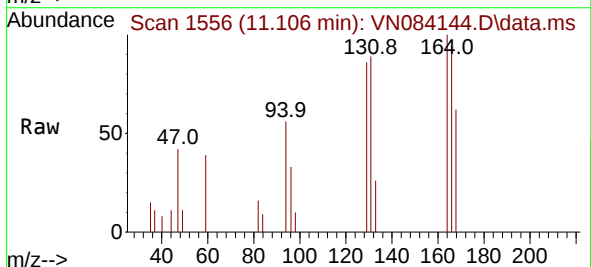
Acq: 24 Sep 2024 19:07

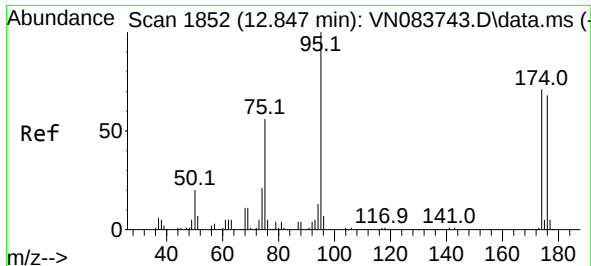
Tgt Ion: 129 Resp: 2889

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#





#62

4-Bromofluorobenzene

Concen: 44.471 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20240916

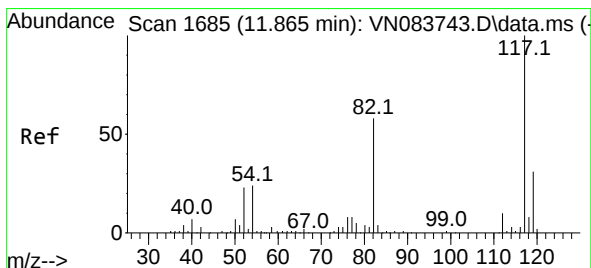
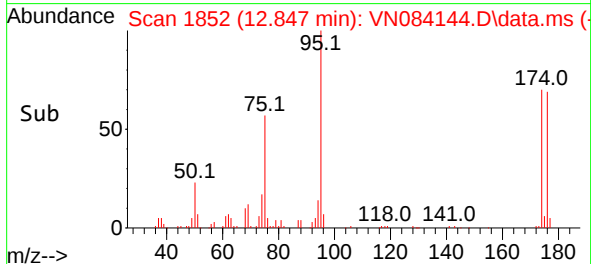
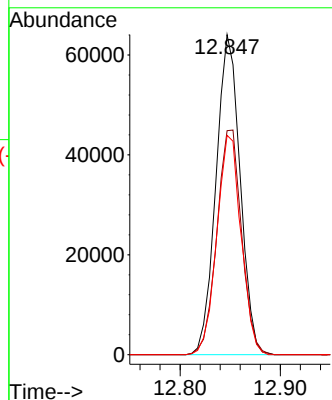
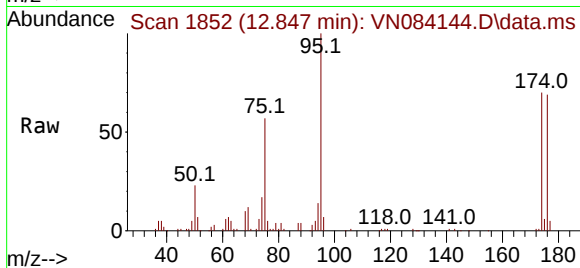
Tgt Ion: 95 Resp: 106802

Ion Ratio Lower Upper

95 100

174 72.0 0.0 139.8

176 69.1 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084144.D

Acq: 24 Sep 2024 19:07

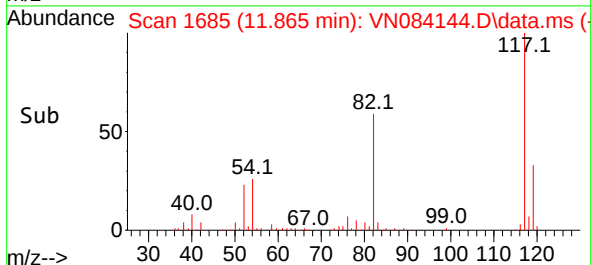
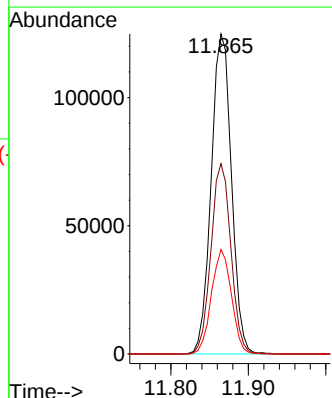
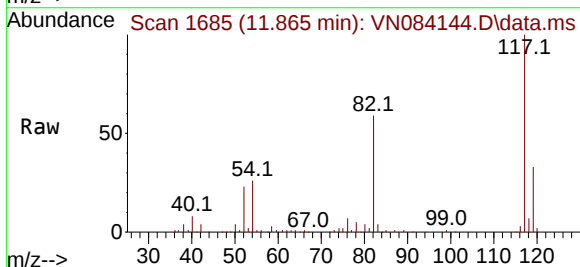
Tgt Ion: 117 Resp: 226604

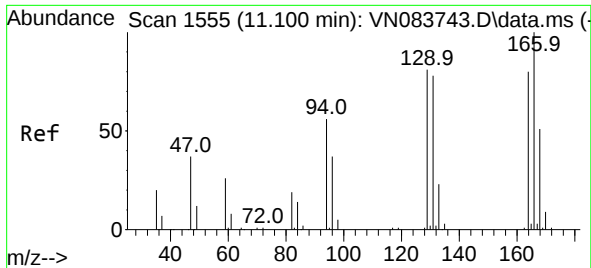
Ion Ratio Lower Upper

117 100

82 59.5 47.4 71.0

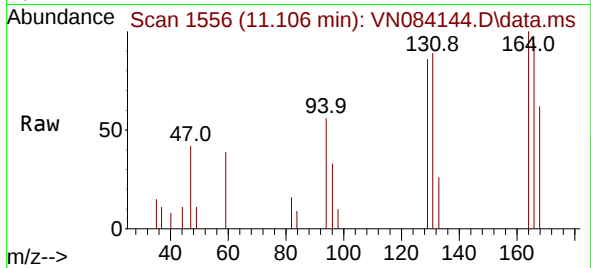
119 32.6 26.3 39.5



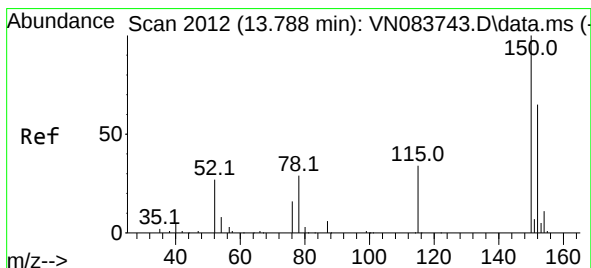
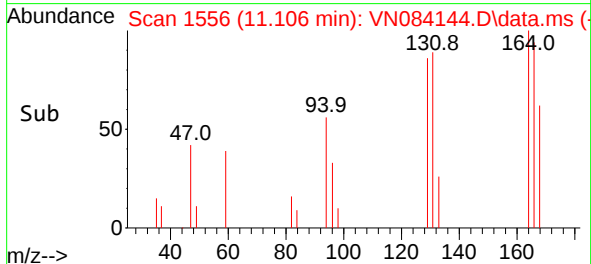
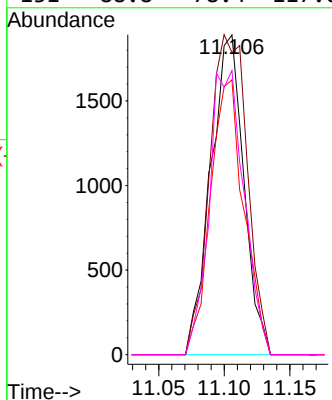


#64
Tetrachloroethene
Concen: 2.200 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916

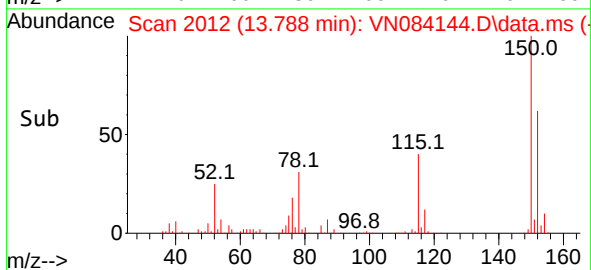
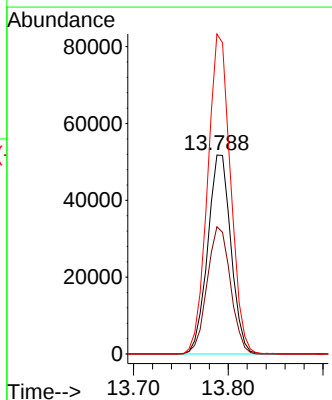
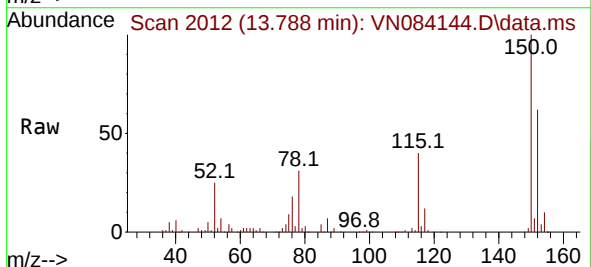


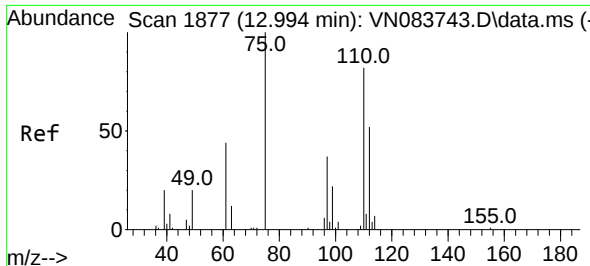
Tgt Ion:164 Resp: 3315
Ion Ratio Lower Upper
164 100
166 94.5 103.7 155.5#
129 86.0 79.9 119.9
131 88.8 78.4 117.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion:152 Resp: 88171
Ion Ratio Lower Upper
152 100
115 64.2 32.2 96.6
150 158.4 0.0 348.6

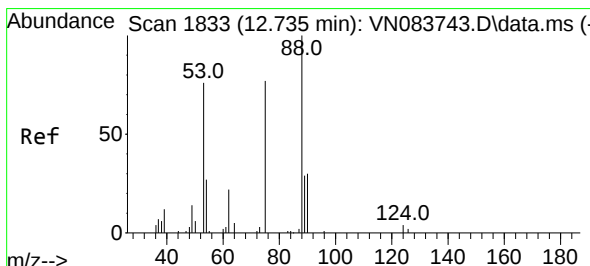
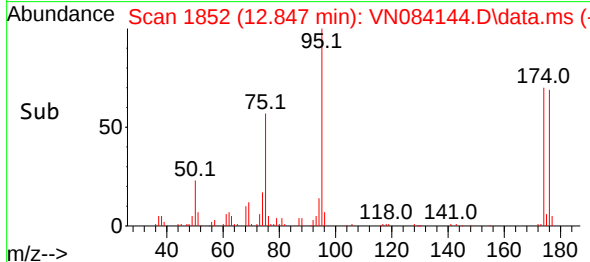
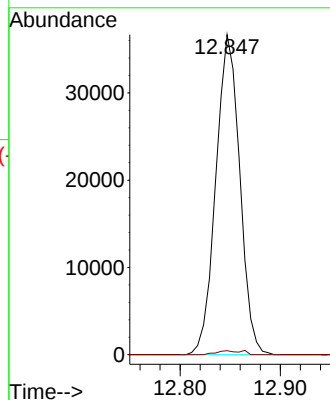
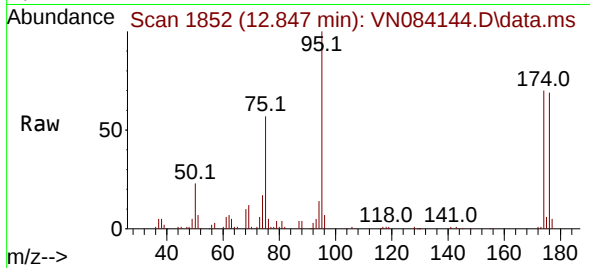




#76
1,2,3-Trichloropropane
Concen: 34.127 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916

Tgt Ion: 75 Resp: 60716
Ion Ratio Lower Upper
75 100
77 1.3 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.381 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084144.D
Acq: 24 Sep 2024 19:07

Tgt Ion: 75 Resp: 60716
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

