

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084045.D
 Acq On : 19 Sep 2024 19:41
 Operator : JC\MD
 Sample : P4003-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20240912

Quant Time: Sep 20 01:36:35 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)

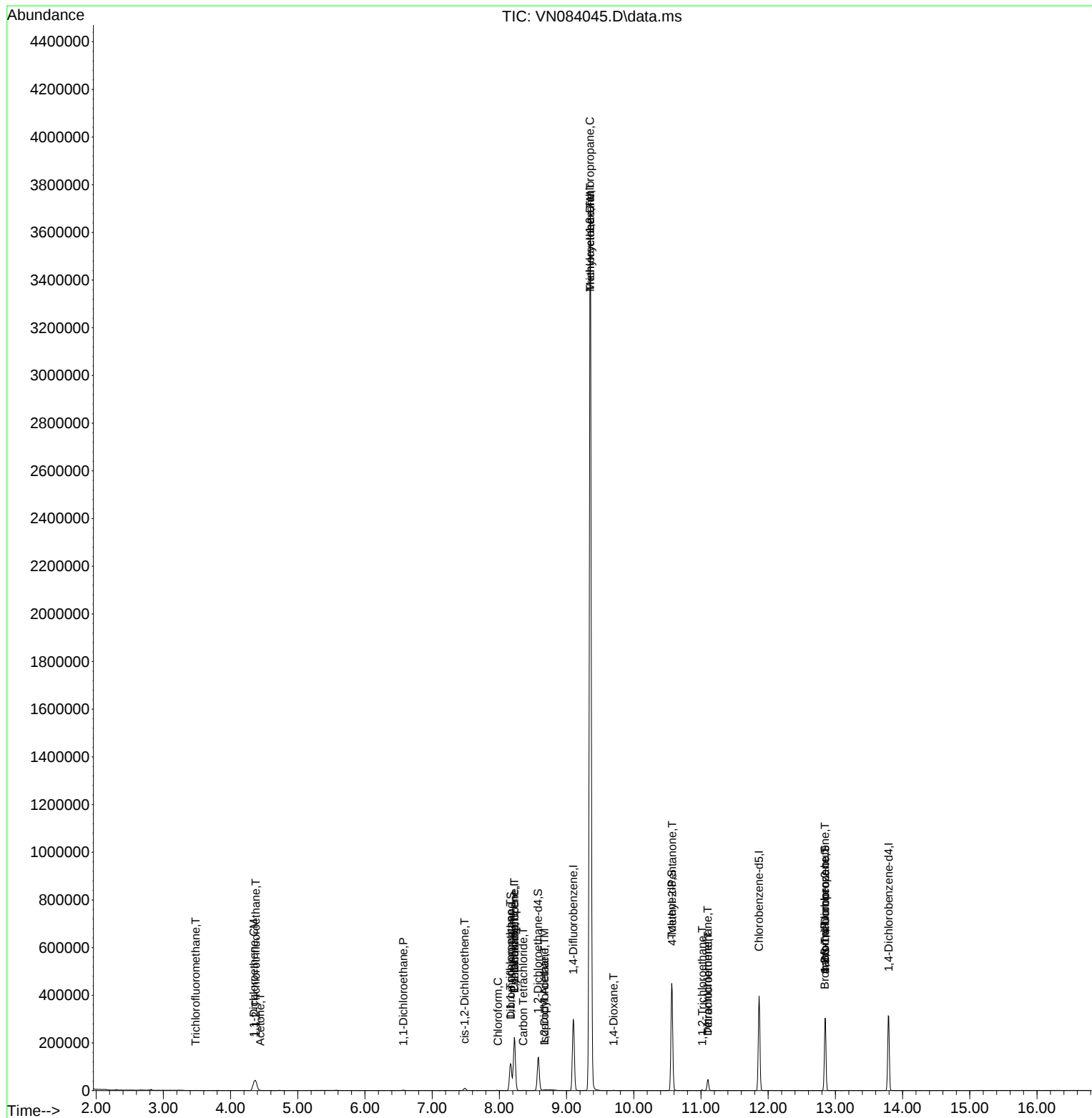
Internal Standards						
1) Pentafluorobenzene	8.224	168	144109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	247031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115507	53.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.320%			
35) Dibromofluoromethane	8.171	113	81142	51.308	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	10.565	98	299932	54.860	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.847	95	102341	45.371	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.740%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	536	Below Cal	#	41
7) Trichlorofluoromethane	3.483	101	651	0.209	ug/l #	18
9) 1,1,2-Trichlorotrifluo...	4.377	101	25278	15.316	ug/l	98
12) 1,1-Dichloroethene	4.347	96	10979	7.044	ug/l	89
16) Acetone	4.442	43	1272	1.460	ug/l #	45
18) Methyl Acetate	5.024	43	128	Below Cal	#	52
24) 1,1-Dichloroethane	6.571	63	2866	0.870	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	5723	2.886	ug/l	93
30) Chloroform	7.977	83	1559	0.446	ug/l #	82
31) Cyclohexane	8.224	56	4167	1.327	ug/l #	3
32) 1,1,1-Trichloroethane	8.165	97	755	0.235	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	14289	6.003	ug/l #	49
38) Carbon Tetrachloride	8.353	117	732	0.271	ug/l #	75
39) Methylcyclohexane	9.353	83	17911	6.611	ug/l #	1
42) 1,2-Dichloroethane	8.671	62	796	0.297	ug/l #	77
43) Isopropyl Acetate	8.671	43	1959	0.500	ug/l #	57
44) Trichloroethene	9.353	130	1217600	733.890	ug/l	91
45) 1,2-Dichloropropane	9.347	63	4615	2.665	ug/l #	1
49) 1,4-Dioxane	9.700	88	800	26.179	ug/l #	77
51) 4-Methyl-2-Pentanone	10.571	43	1617	0.759	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	802	0.490	ug/l	94
60) Dibromochloromethane	11.100	129	10416	5.689	ug/l #	10
64) Tetrachloroethene	11.106	164	9800	7.186	ug/l	95
71) Bromoform	12.841	173	521	0.489	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57670	36.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57670	94.863	ug/l #	9

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

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Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

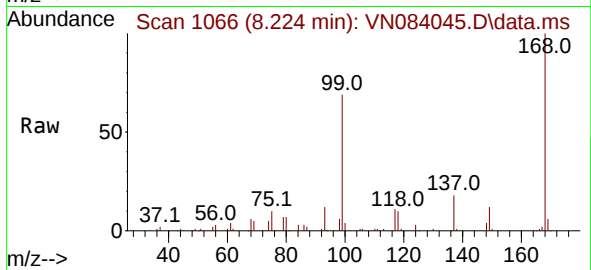
Quant Time: Sep 20 01:36:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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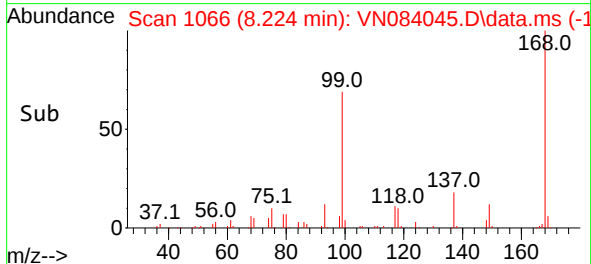
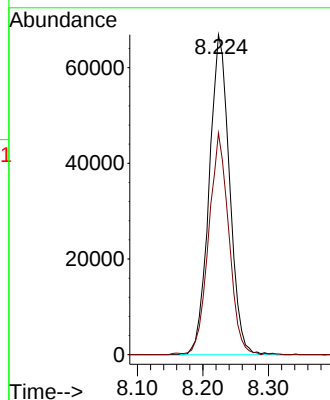


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

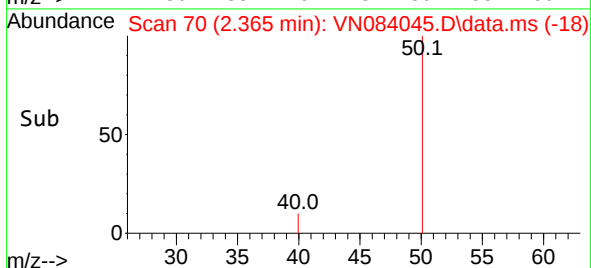
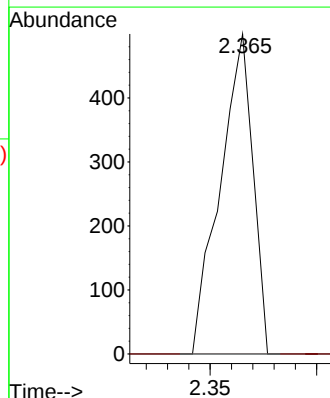
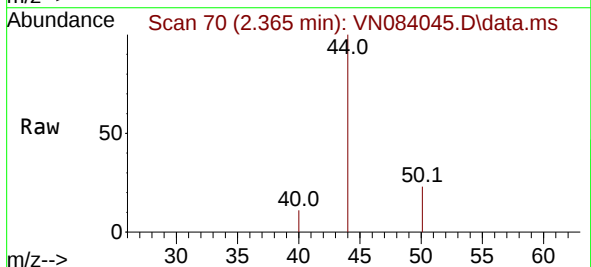


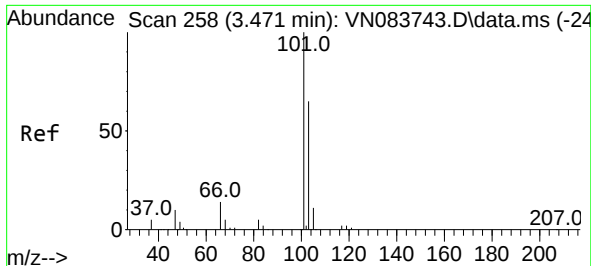
Tgt Ion:168 Resp: 144109
Ion Ratio Lower Upper
168 100
99 69.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

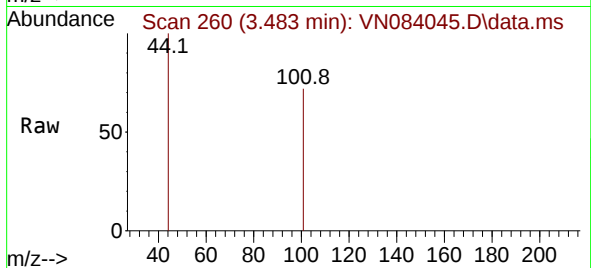
Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



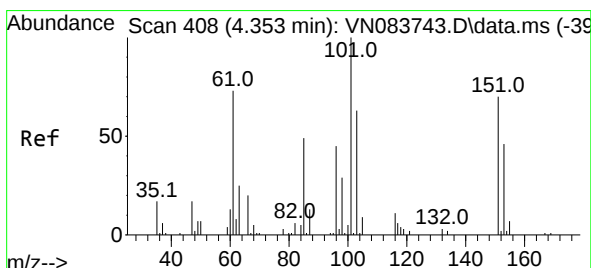
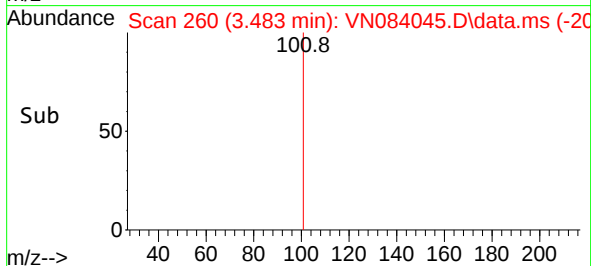
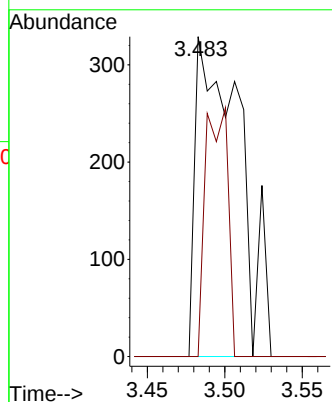


#7
Trichlorofluoromethane
Concen: 0.209 ug/l
RT: 3.483 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

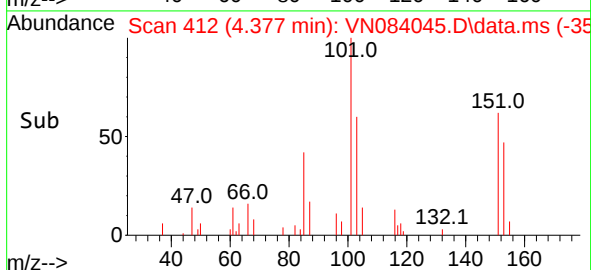
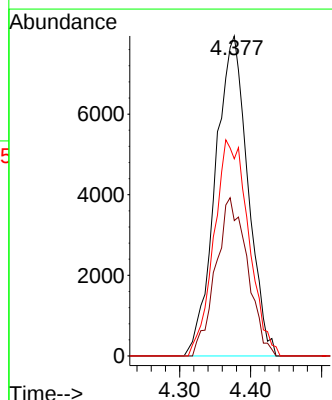
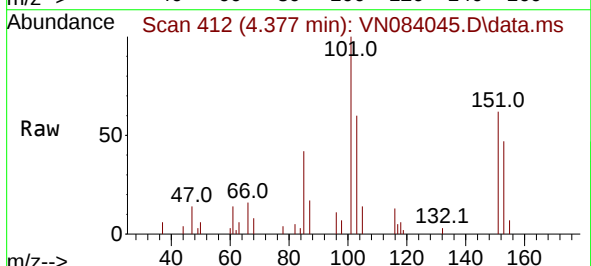


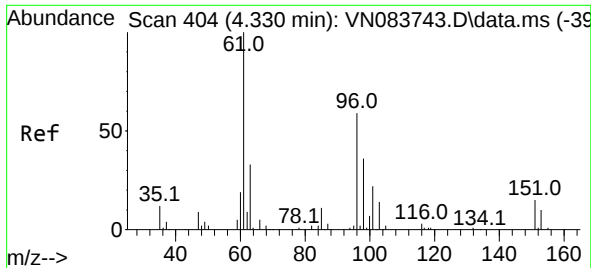
Tgt Ion:101 Resp: 651
Ion Ratio Lower Upper
101 100
103 0.0 51.4 77.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.316 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.023 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Tgt Ion:101 Resp: 25278
Ion Ratio Lower Upper
101 100
85 48.2 36.2 54.4
151 71.8 57.7 86.5



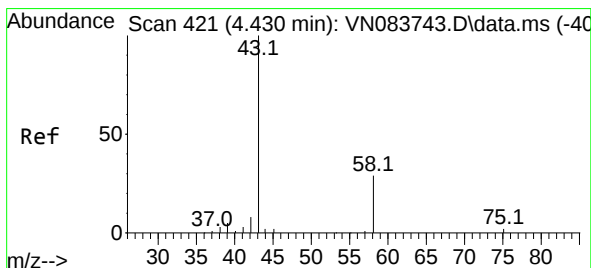
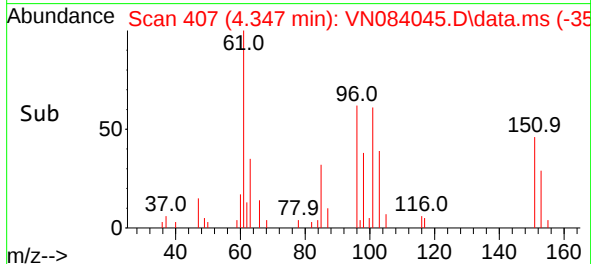
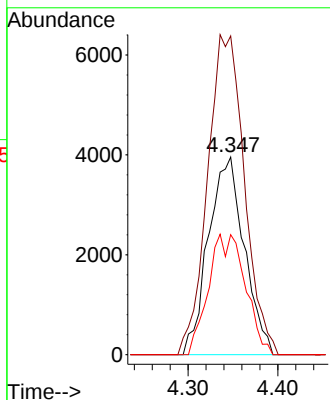
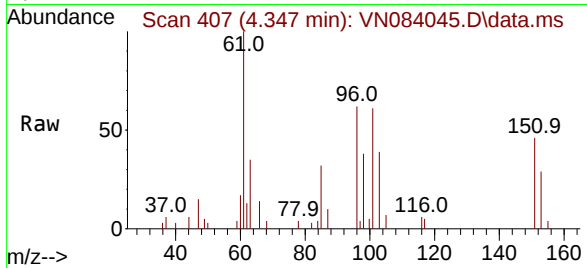


#12
 1,1-Dichloroethene
 Concen: 7.044 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN084045.D
 Acq: 19 Sep 2024 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20240912

Tgt Ion: 96 Resp: 10979

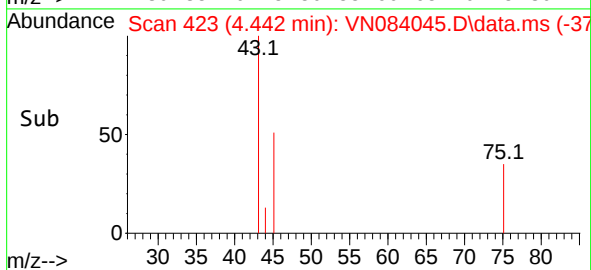
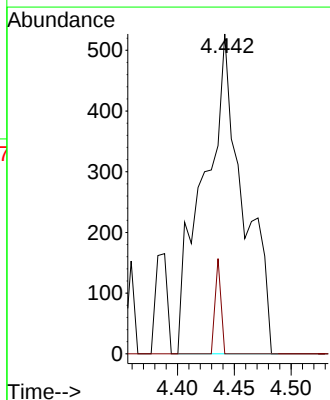
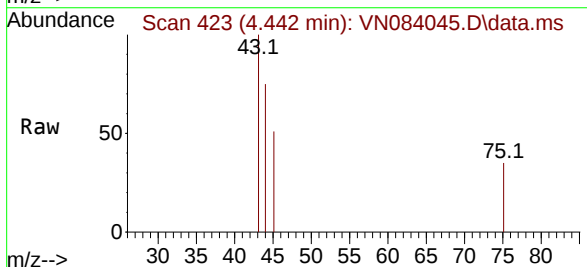
Ion	Ratio	Lower	Upper
96	100		
61	161.2	143.4	215.0
98	60.7	52.7	79.1

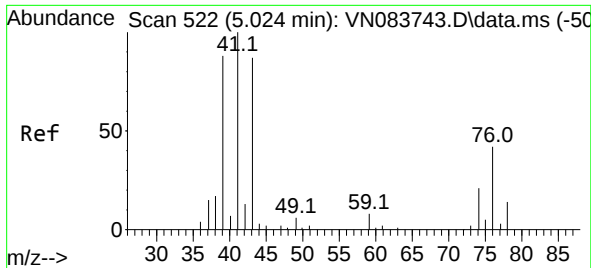


#16
 Acetone
 Concen: 1.460 ug/l
 RT: 4.442 min Scan# 423
 Delta R.T. 0.012 min
 Lab File: VN084045.D
 Acq: 19 Sep 2024 19:41

Tgt Ion: 43 Resp: 1272

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.7	35.5

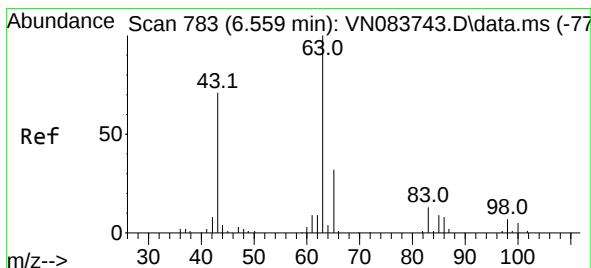
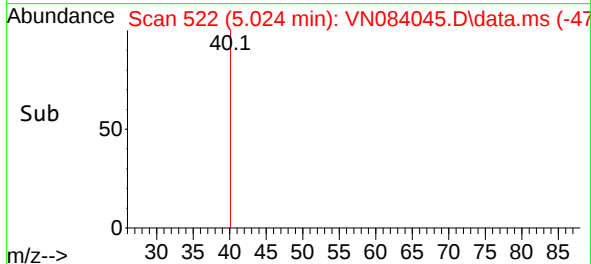
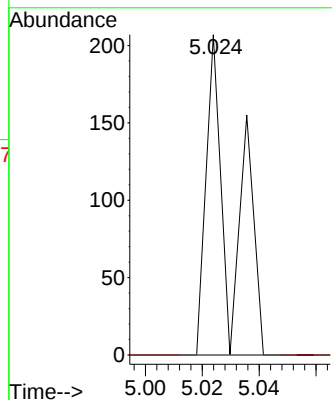
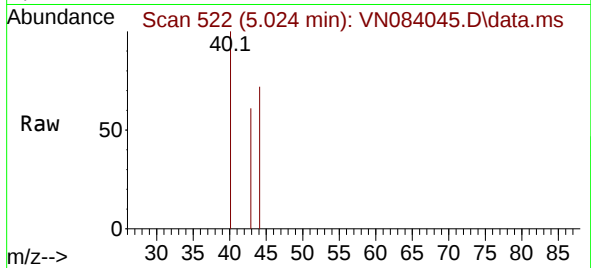




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

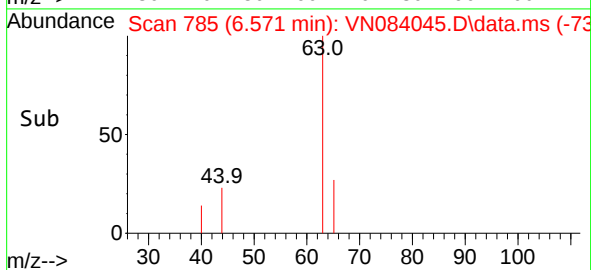
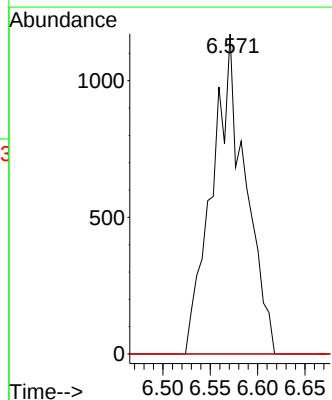
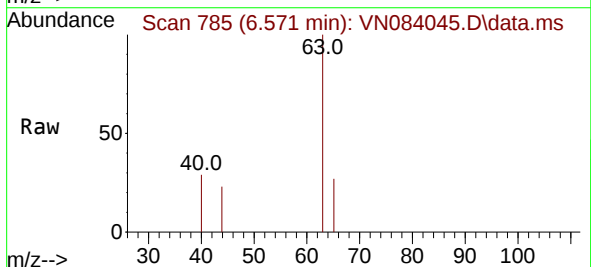
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

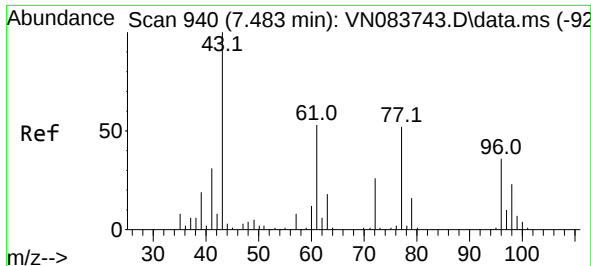
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#24
1,1-Dichloroethane
Concen: 0.870 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.012 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Tgt Ion: 63 Resp: 2866
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



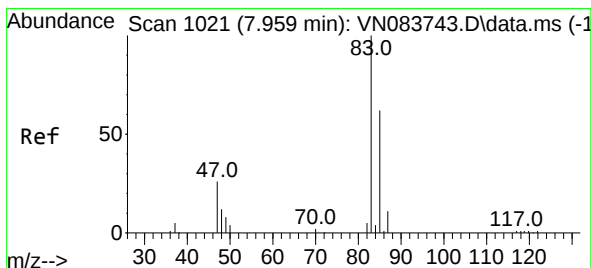
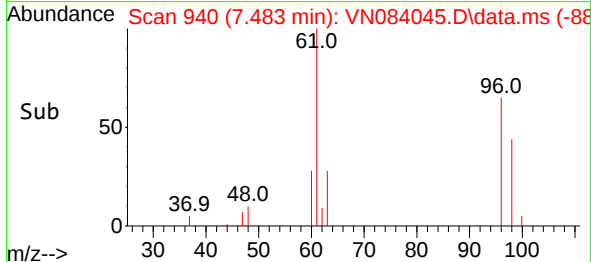
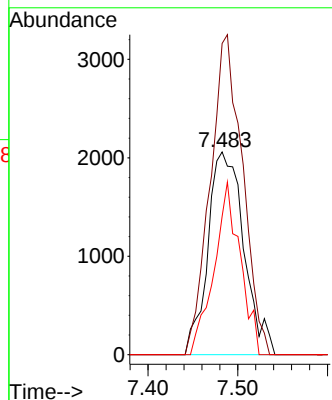
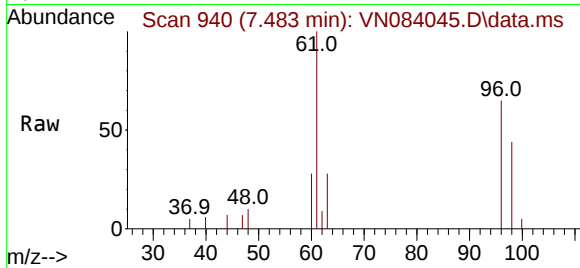


#27
 cis-1,2-Dichloroethene
 Concen: 2.886 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN084045.D
 Acq: 19 Sep 2024 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20240912

Tgt Ion: 96 Resp: 5723

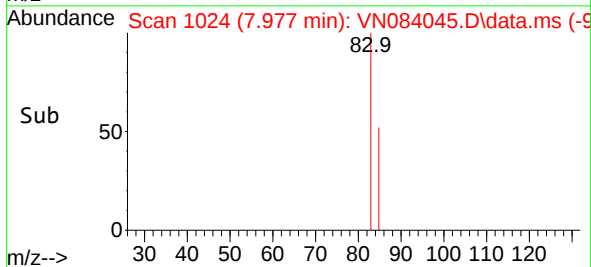
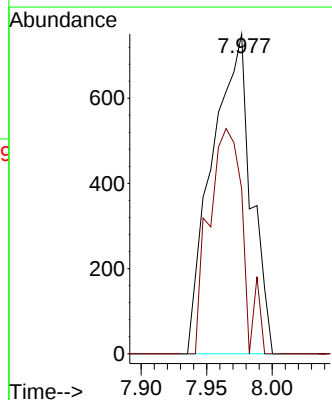
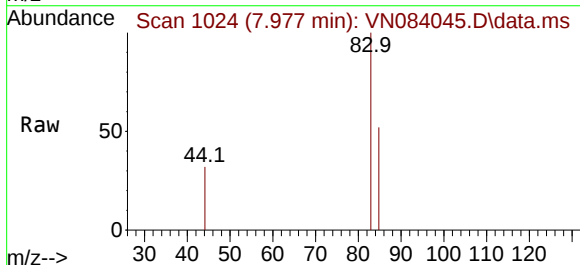
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	306.2
98	61.9	0.0	128.6

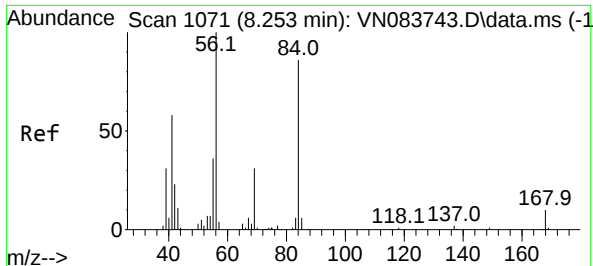


#30
 Chloroform
 Concen: 0.446 ug/l
 RT: 7.977 min Scan# 1024
 Delta R.T. 0.018 min
 Lab File: VN084045.D
 Acq: 19 Sep 2024 19:41

Tgt Ion: 83 Resp: 1559

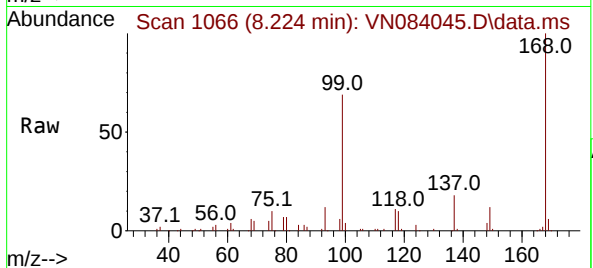
Ion	Ratio	Lower	Upper
83	100		
85	51.7	52.8	79.2#



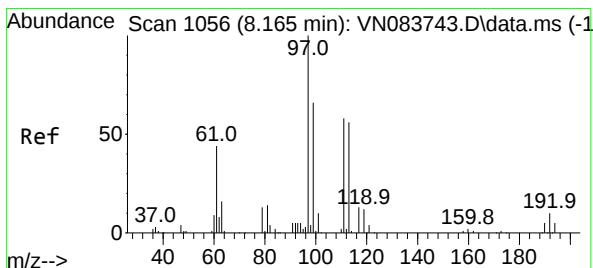
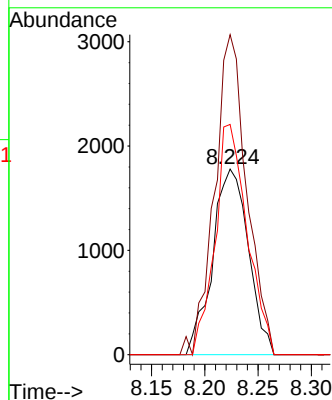
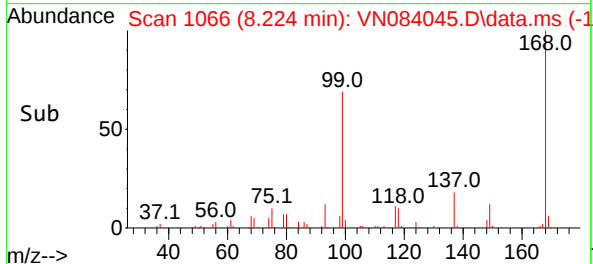


#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

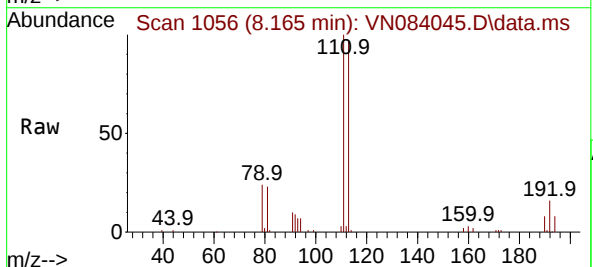
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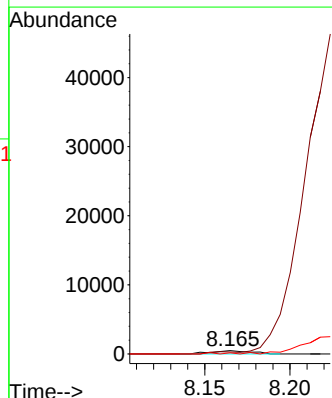
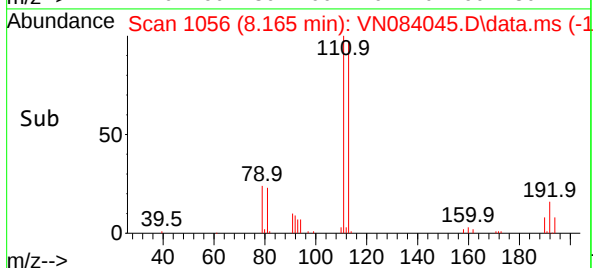
Tgt Ion: 56 Resp: 4167
Ion Ratio Lower Upper
56 100
69 172.4 26.9 40.3#
84 124.0 69.2 103.8#

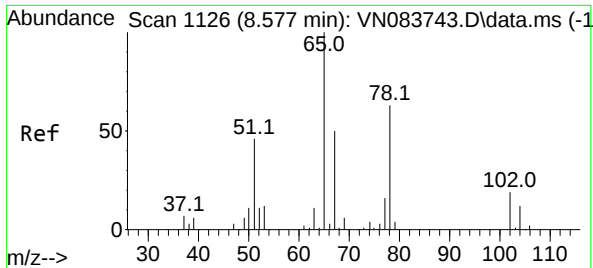


#32
1,1,1-Trichloroethane
Concen: 0.235 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41



Tgt Ion: 97 Resp: 755
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 53.157 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

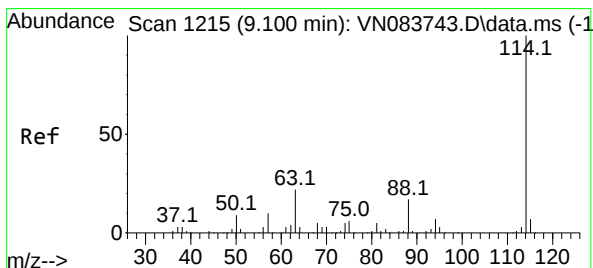
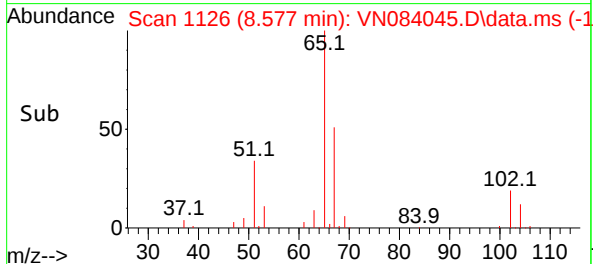
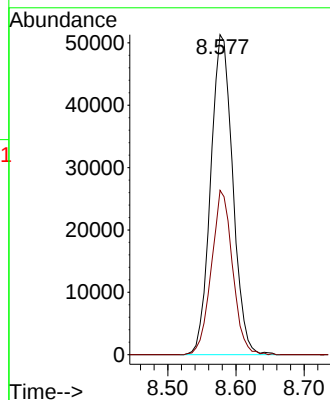
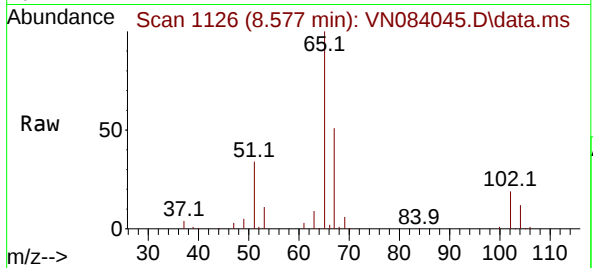
RE120D3-20240912

Tgt Ion: 65 Resp: 115507

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

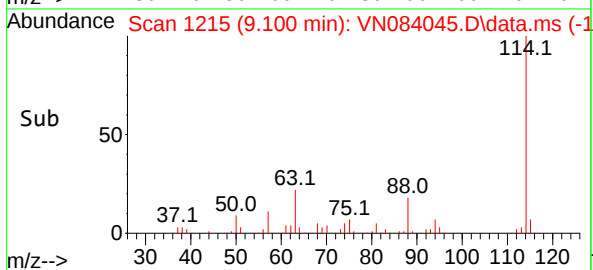
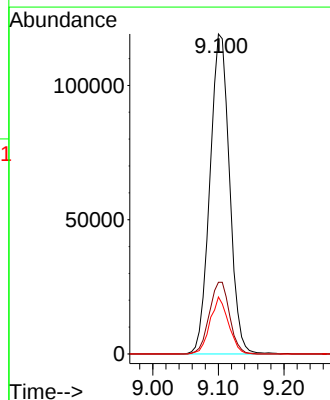
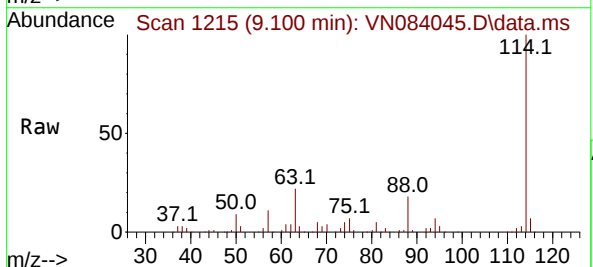
Tgt Ion: 114 Resp: 247031

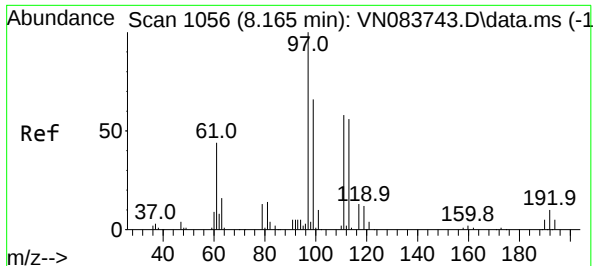
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.308 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240912

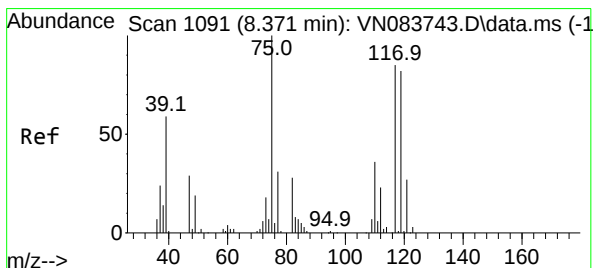
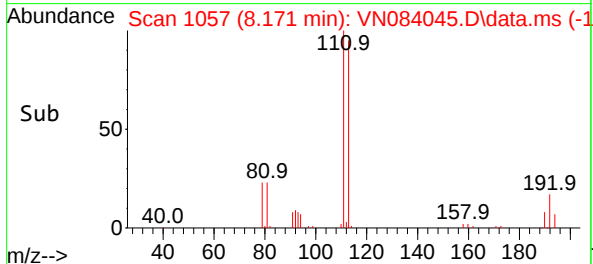
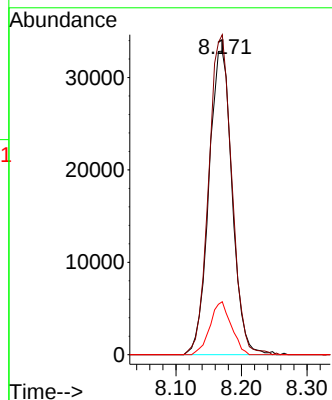
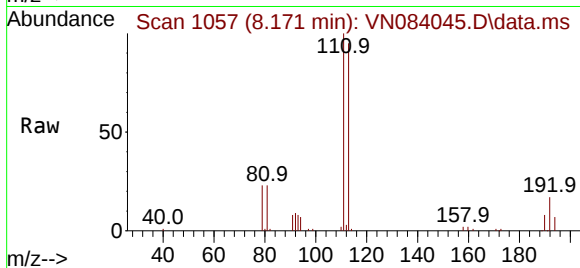
Tgt Ion:113 Resp: 81142

Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 15.9 14.3 21.5



#36

1,1-Dichloropropene

Concen: 6.003 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

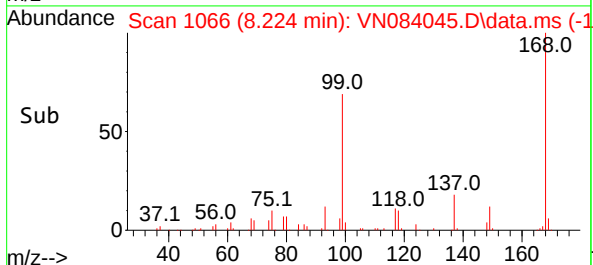
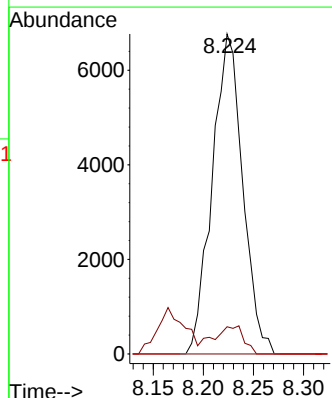
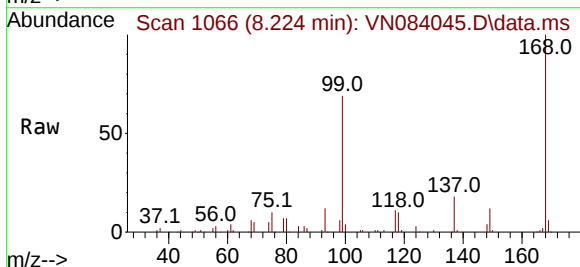
Tgt Ion: 75 Resp: 14289

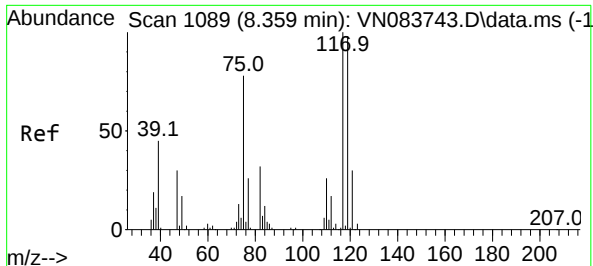
Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.1#

77 0.0 25.2 37.8#

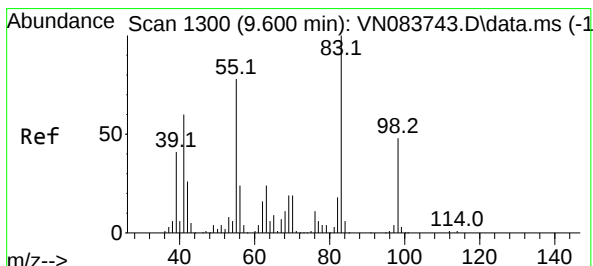
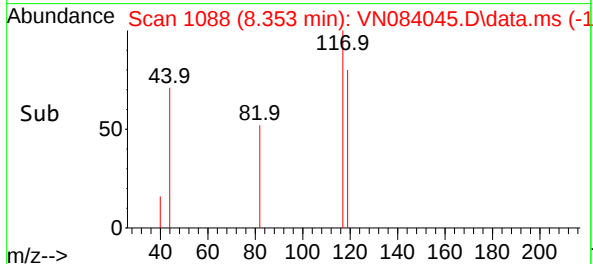
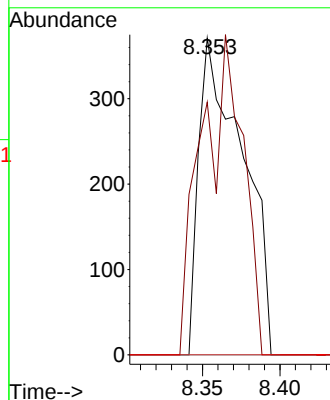
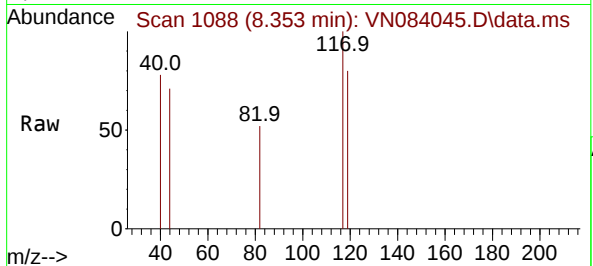




#38
Carbon Tetrachloride
Concen: 0.271 ug/l
RT: 8.353 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

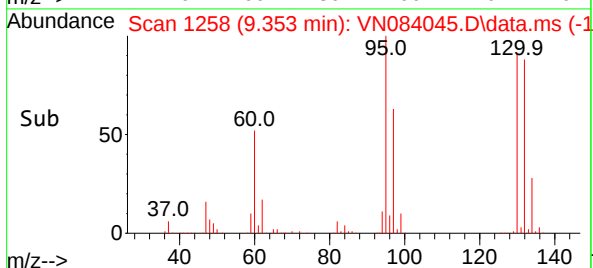
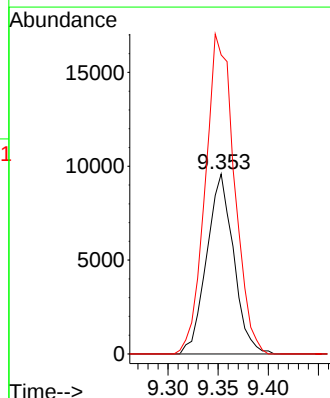
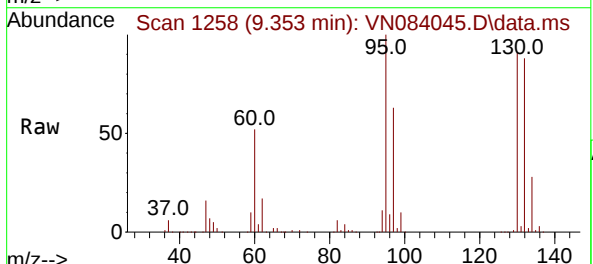
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

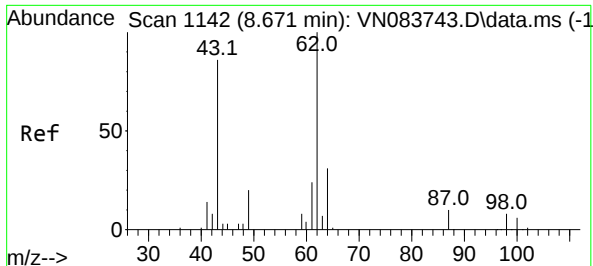
Tgt Ion:117 Resp: 732
Ion Ratio Lower Upper
117 100
119 79.8 76.1 114.1
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 6.611 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Tgt Ion: 83 Resp: 17911
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 166.2 37.6 56.4#





#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

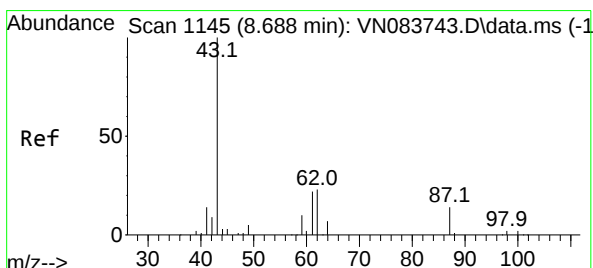
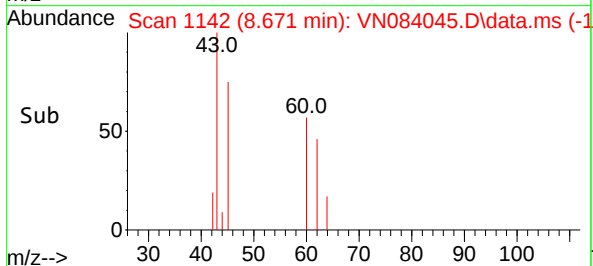
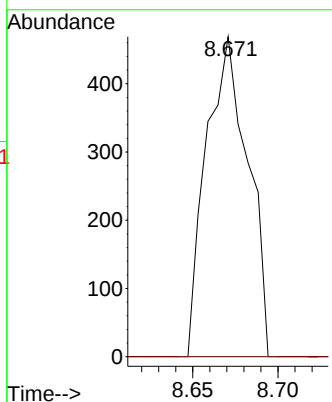
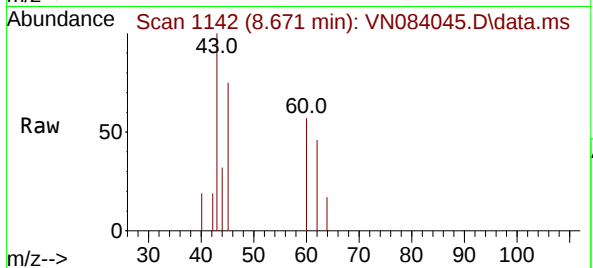
RE120D3-20240912

Tgt Ion: 62 Resp: 796

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 0.500 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

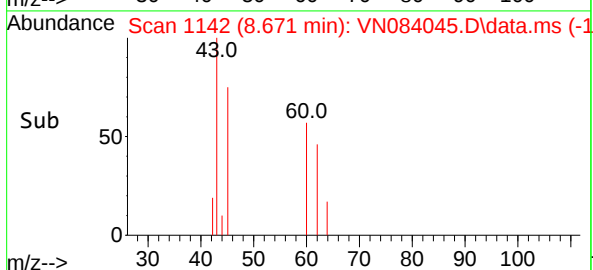
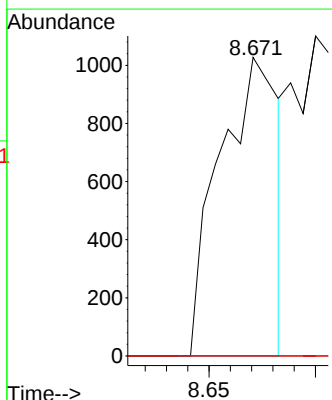
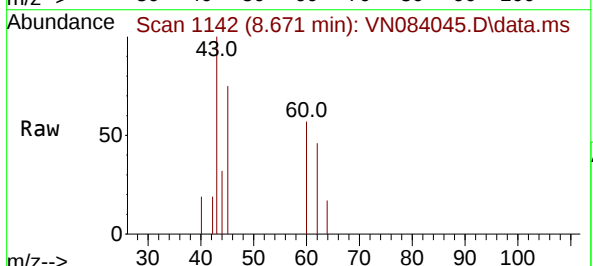
Tgt Ion: 43 Resp: 1959

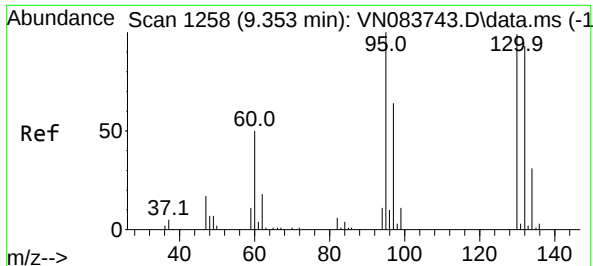
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

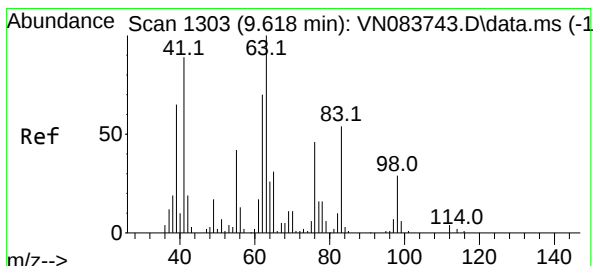
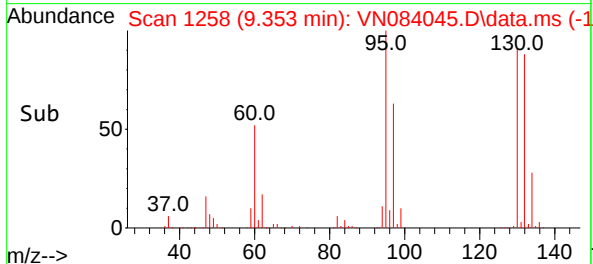
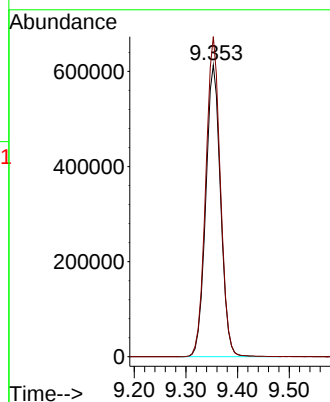
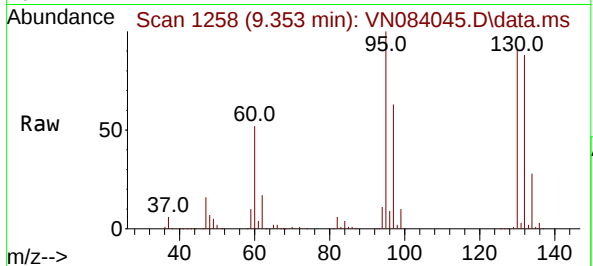




#44
Trichloroethene
Concen: 733.890 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

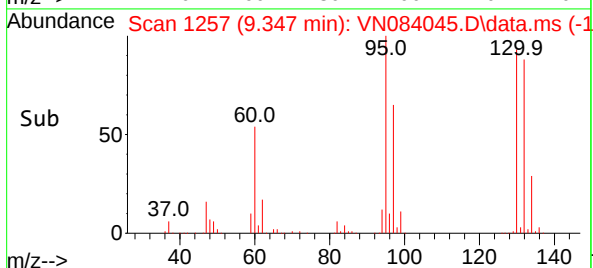
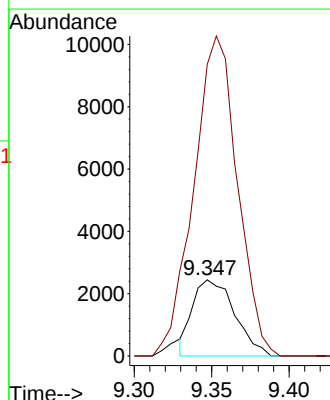
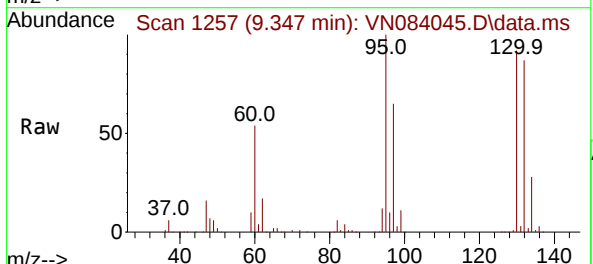
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

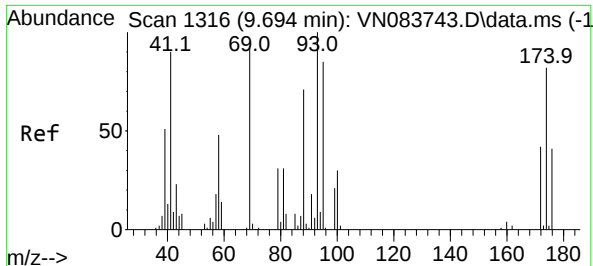
Tgt Ion:130 Resp: 1217600
Ion Ratio Lower Upper
130 100
95 109.7 0.0 200.4



#45
1,2-Dichloropropane
Concen: 2.665 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.271 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Tgt Ion: 63 Resp: 4615
Ion Ratio Lower Upper
63 100
65 382.6 25.9 38.9#





#49

1,4-Dioxane

Concen: 26.179 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240912

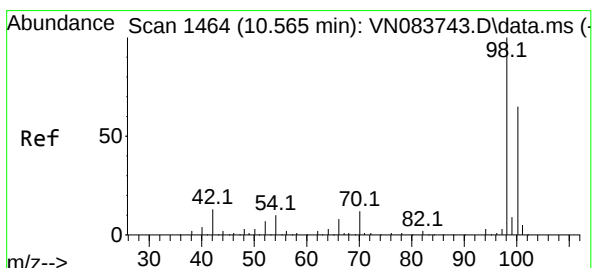
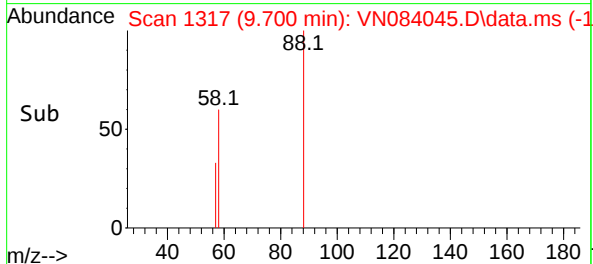
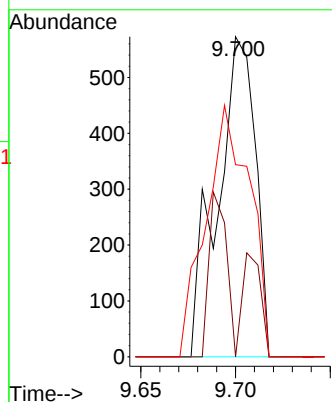
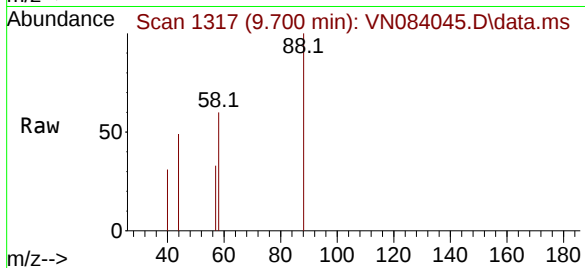
Tgt Ion: 88 Resp: 800

Ion Ratio Lower Upper

88 100

43 23.6 0.0 0.0#

58 90.6 57.1 85.7#



#50

Toluene-d8

Concen: 54.860 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084045.D

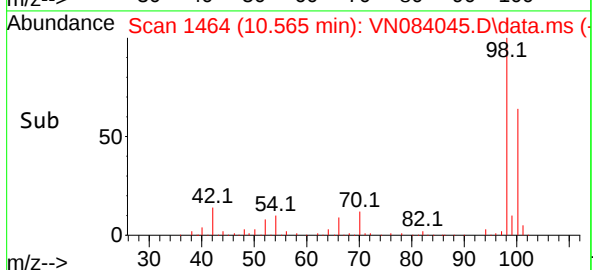
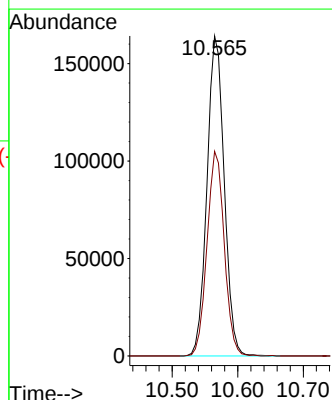
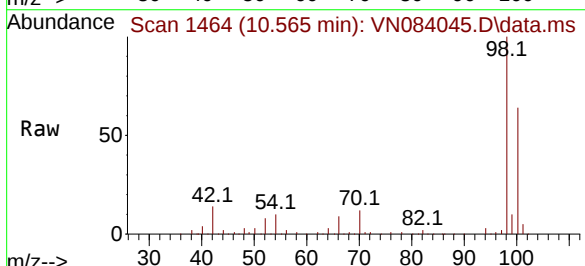
Acq: 19 Sep 2024 19:41

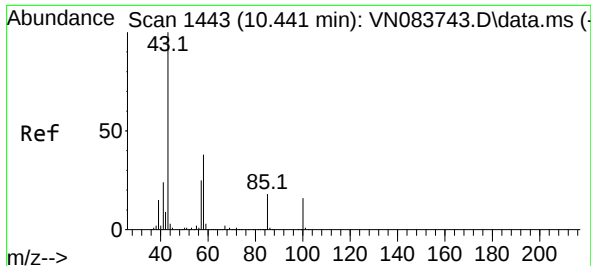
Tgt Ion: 98 Resp: 299932

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.759 ug/l

RT: 10.571 min Scan# 1443

Delta R.T. 0.129 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

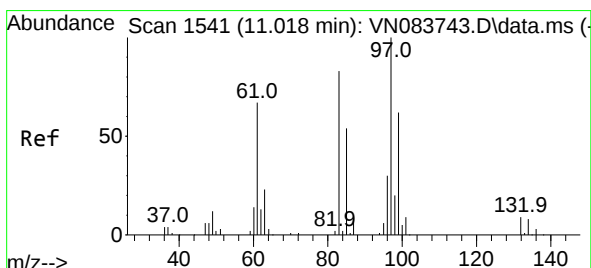
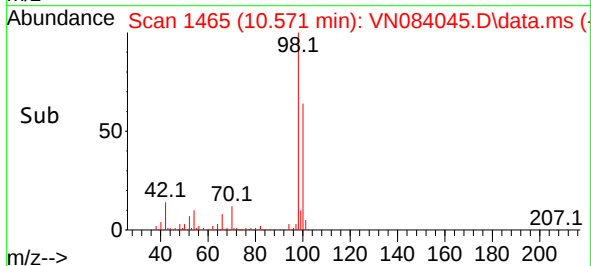
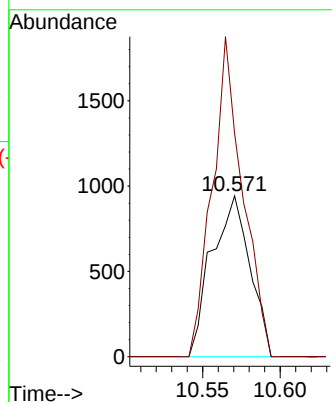
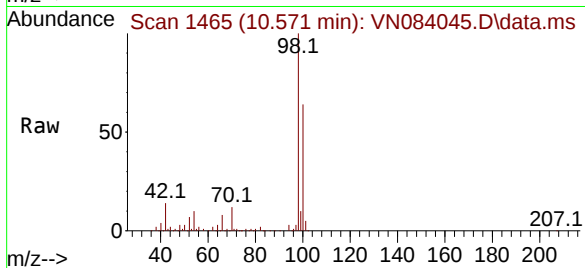
RE120D3-20240912

Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 158.2 31.6 47.4#



#55

1,1,2-Trichloroethane

Concen: 0.490 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Tgt Ion: 97 Resp: 802

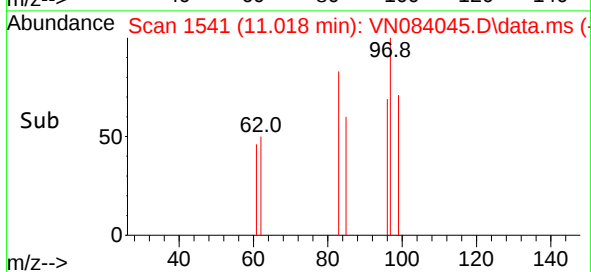
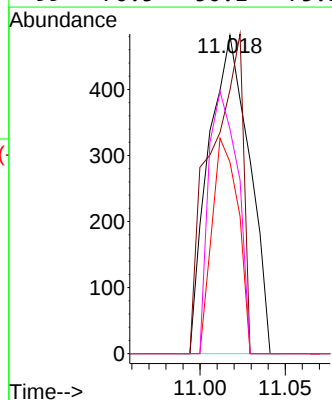
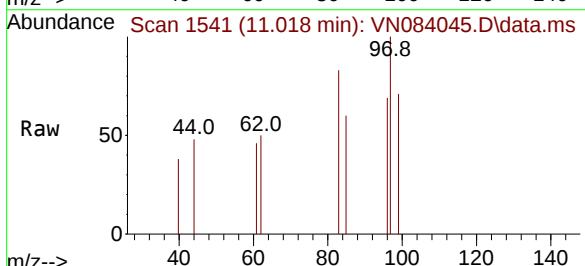
Ion Ratio Lower Upper

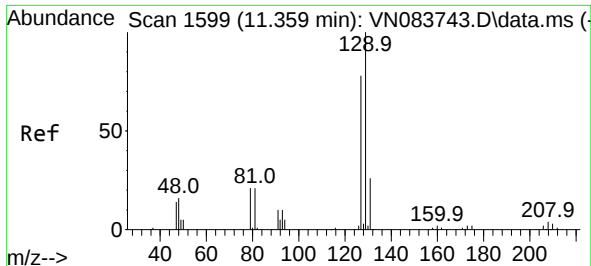
97 100

83 82.8 67.5 101.3

85 60.2 44.2 66.2

99 70.5 50.1 75.1

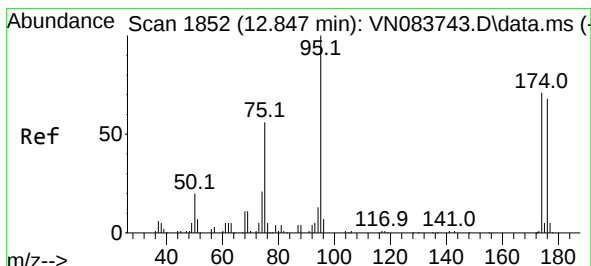
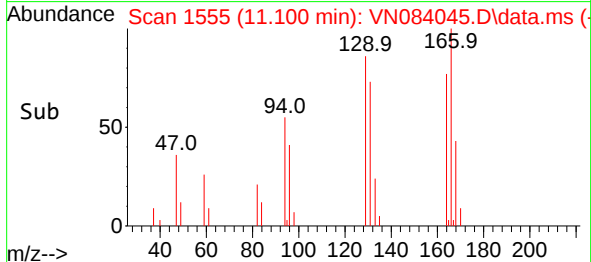
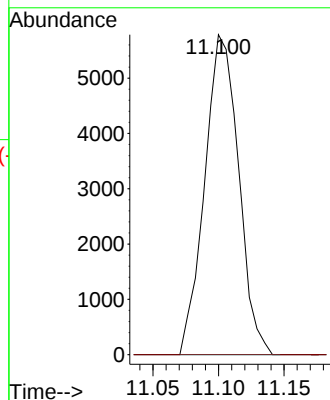
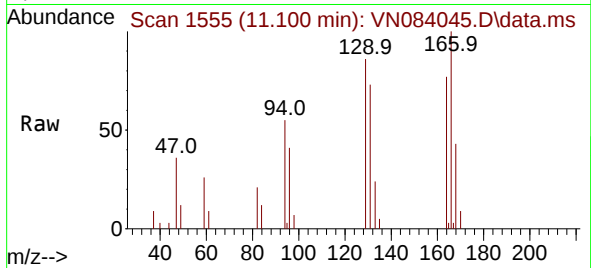




#60
Dibromochloromethane
Concen: 5.689 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

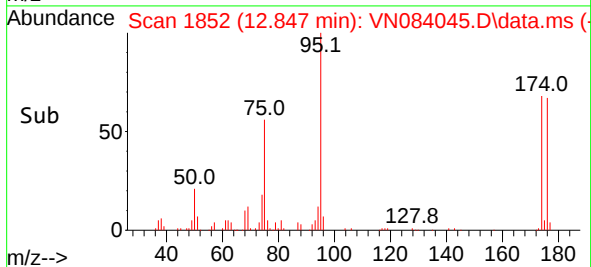
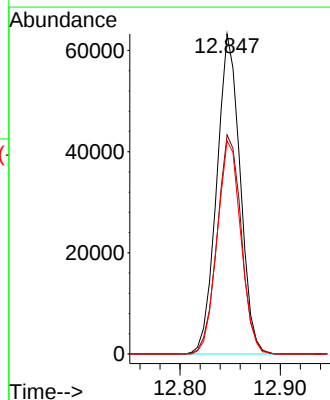
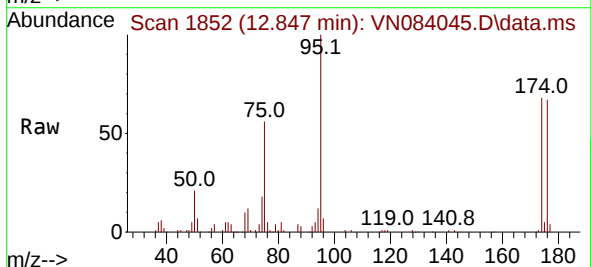
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

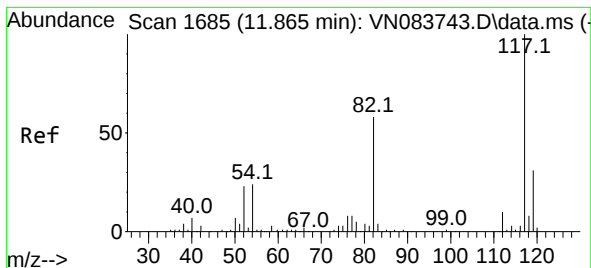
Tgt Ion:129 Resp: 10416
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 45.371 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Tgt Ion: 95 Resp: 102341
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 67.8 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240912

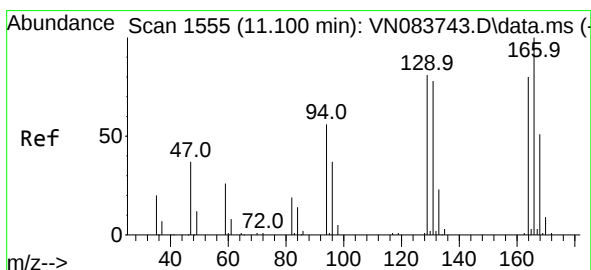
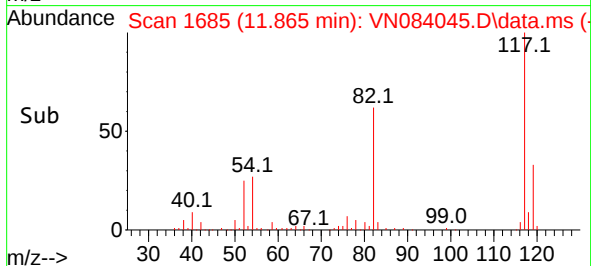
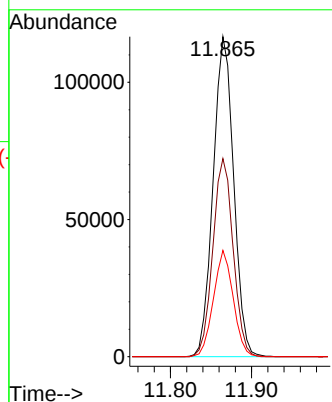
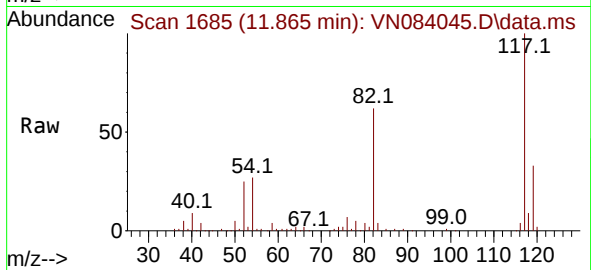
Tgt Ion:117 Resp: 205080

Ion Ratio Lower Upper

117 100

82 61.9 47.4 71.0

119 33.2 26.3 39.5



#64

Tetrachloroethene

Concen: 7.186 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN084045.D

Acq: 19 Sep 2024 19:41

Tgt Ion:164 Resp: 9800

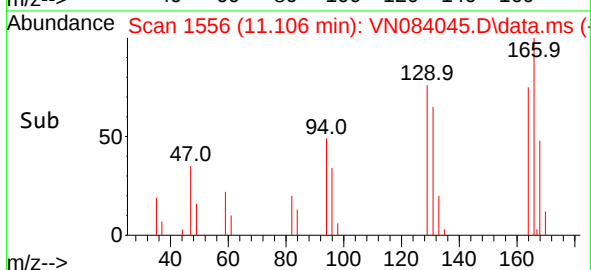
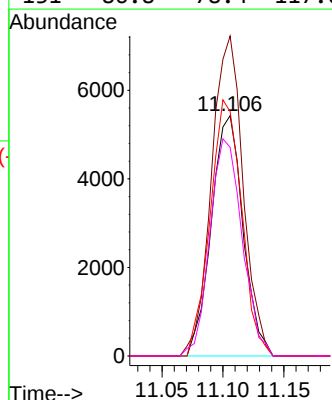
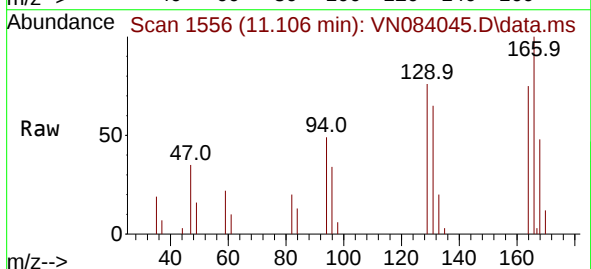
Ion Ratio Lower Upper

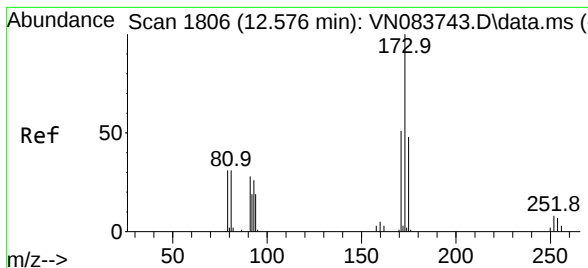
164 100

166 133.1 103.7 155.5

129 101.7 79.9 119.9

131 86.8 78.4 117.6





#71

Bromoform

Concen: 0.489 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN084045.D

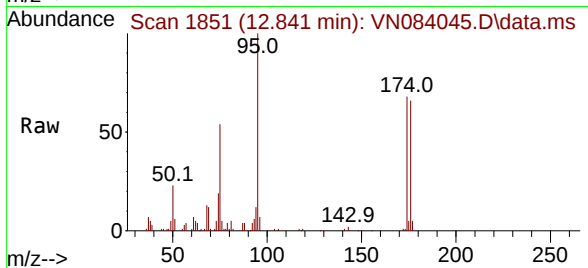
Acq: 19 Sep 2024 19:41

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240912



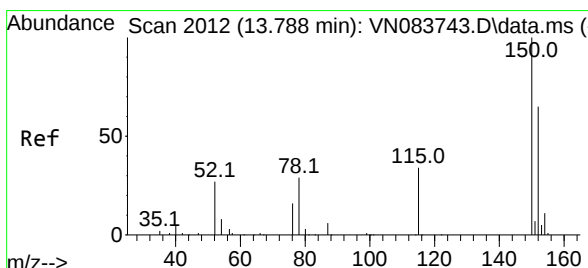
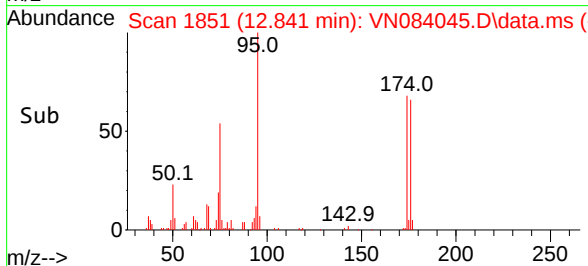
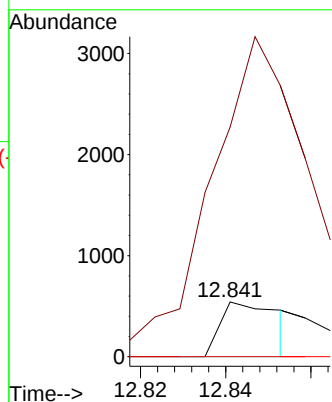
Tgt Ion:173 Resp: 521

Ion Ratio Lower Upper

173 100

175 730.1 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: VN084045.D

Acq: 19 Sep 2024 19:41

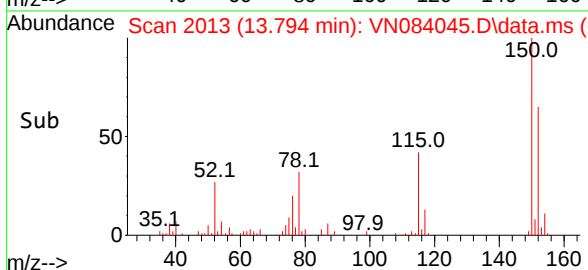
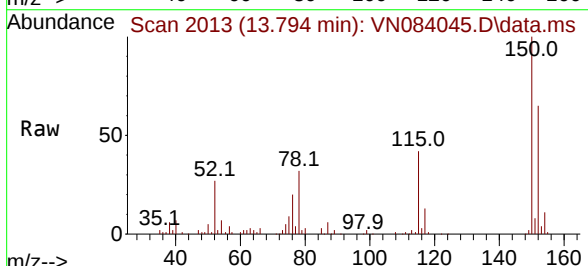
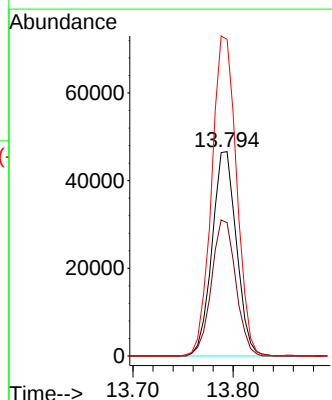
Tgt Ion:152 Resp: 78908

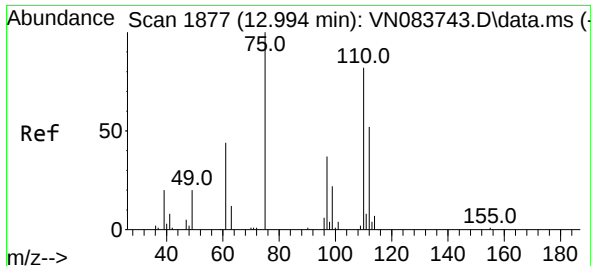
Ion Ratio Lower Upper

152 100

115 66.3 32.2 96.6

150 159.5 0.0 348.6

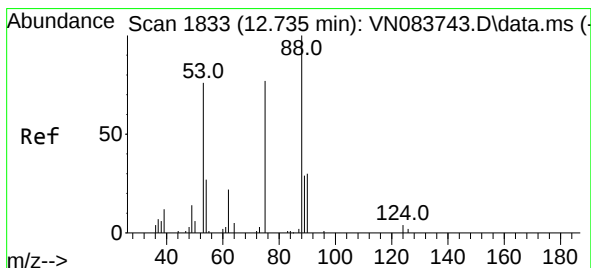
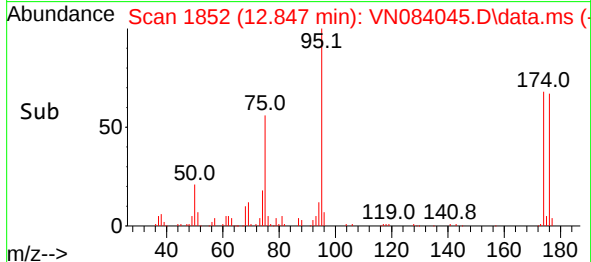
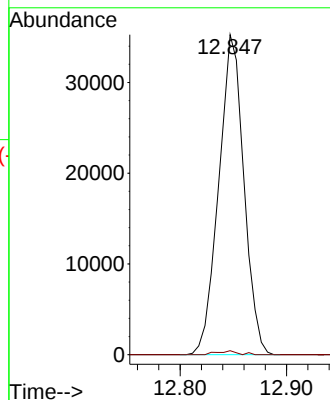
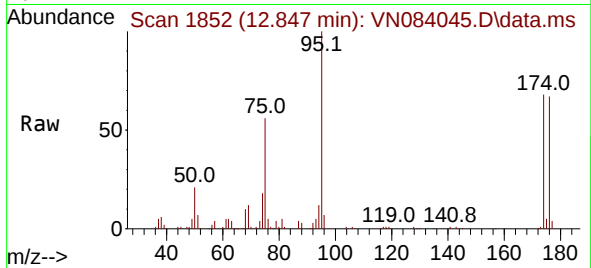




#76
1,2,3-Trichloropropane
Concen: 36.220 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912

Tgt Ion: 75 Resp: 57670
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.863 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084045.D
Acq: 19 Sep 2024 19:41

Tgt Ion: 75 Resp: 57670
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

