

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092324\
 Data File : VN084112.D
 Acq On : 23 Sep 2024 16:17
 Operator : JC\MD
 Sample : P4003-10DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20240912DL

Quant Time: Sep 24 01:33:56 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)

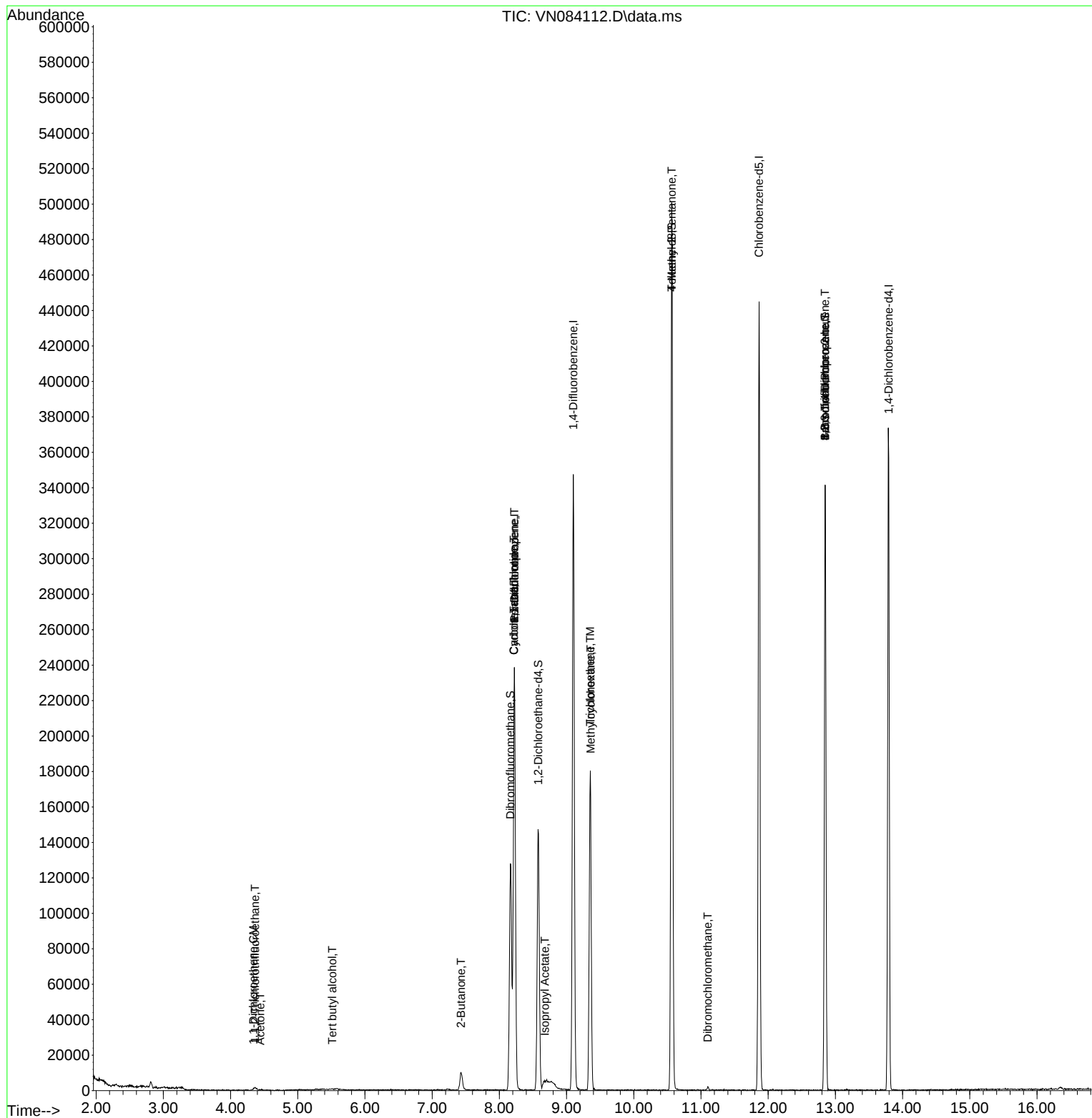
Internal Standards						
1) Pentafluorobenzene	8.224	168	158638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125671	52.537	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%			
35) Dibromofluoromethane	8.165	113	91301	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	10.565	98	339900	54.547	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.100%			
62) 4-Bromofluorobenzene	12.847	95	115643	44.982	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	119	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.365	101	1281	0.705	ug/l #	56
11) Tert butyl alcohol	5.512	59	109	0.340	ug/l #	71
12) 1,1-Dichloroethene	4.342	96	437	0.255	ug/l #	62
16) Acetone	4.442	43	445	0.464	ug/l #	45
18) Methyl Acetate	5.036	43	206	Below Cal	#	52
25) 2-Butanone	7.430	43	453	0.359	ug/l #	49
31) Cyclohexane	8.218	56	4067	1.176	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	14750	5.437	ug/l #	49
38) Carbon Tetrachloride	8.218	117	18209	5.916	ug/l #	15
39) Methylcyclohexane	9.359	83	839	0.272	ug/l #	1
43) Isopropyl Acetate	8.677	43	3685	0.826	ug/l #	57
44) Trichloroethene	9.353	130	61546	32.547	ug/l	95
51) 4-Methyl-2-Pentanone	10.565	43	1522	0.627	ug/l #	1
60) Dibromochloromethane	11.100	129	574	0.275	ug/l #	10
71) Bromoform	12.847	173	833	0.676	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	64456	33.650	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64456	88.133	ug/l #	9

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

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Quant Time: Sep 24 01:33:56 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

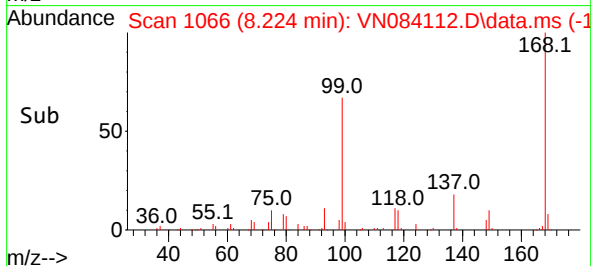
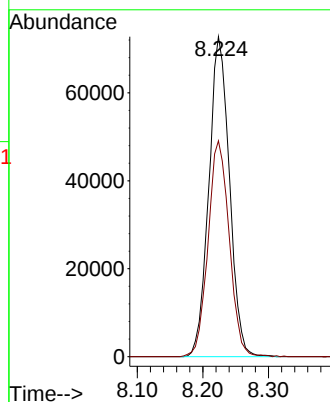
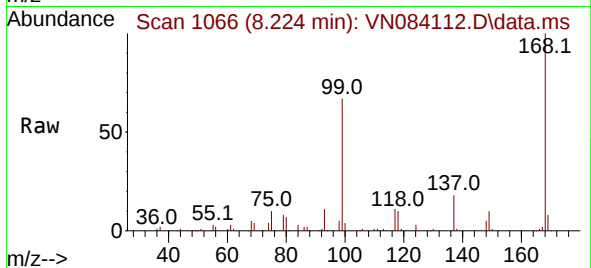




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

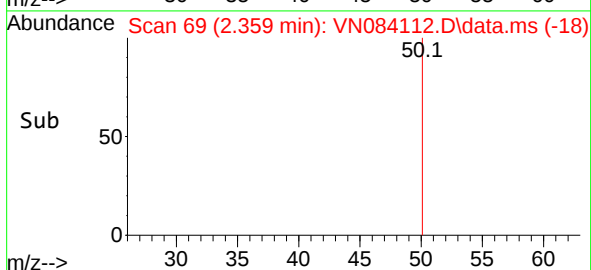
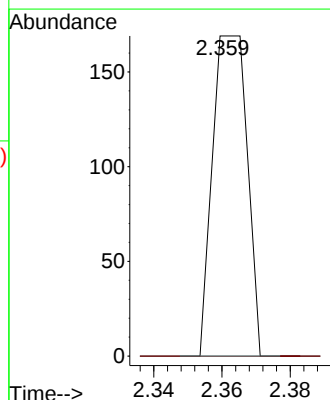
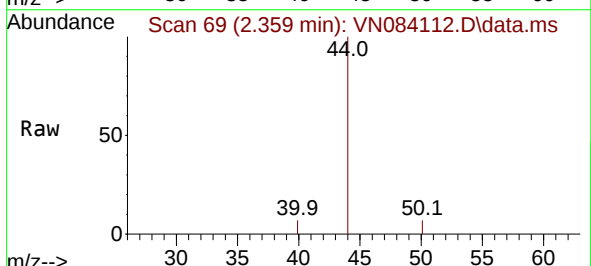
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912DL

Tgt Ion:168 Resp: 158638
Ion Ratio Lower Upper
168 100
99 67.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

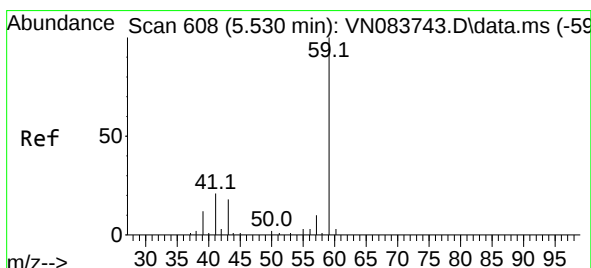
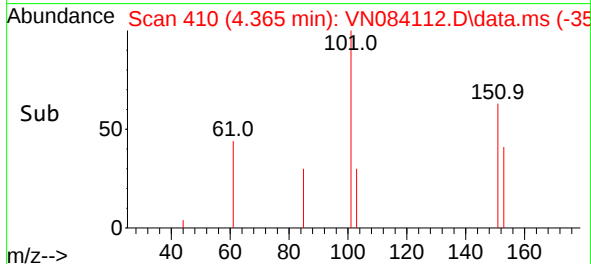
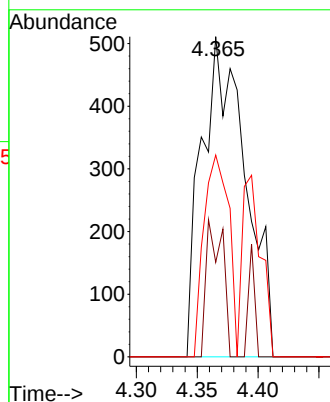
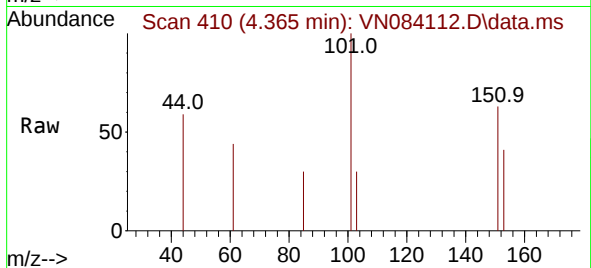




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.705 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

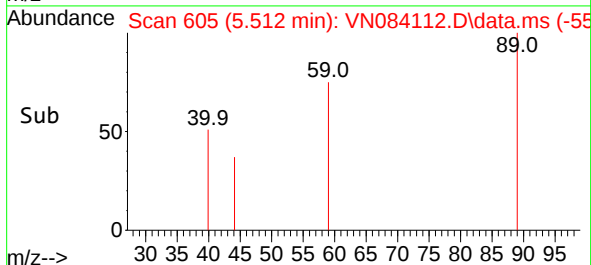
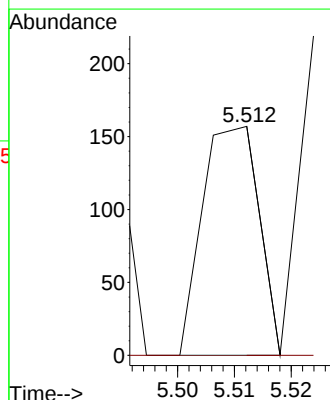
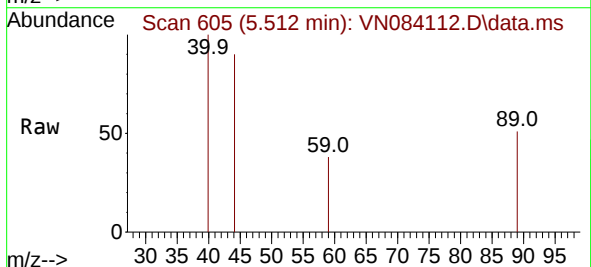
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912DL

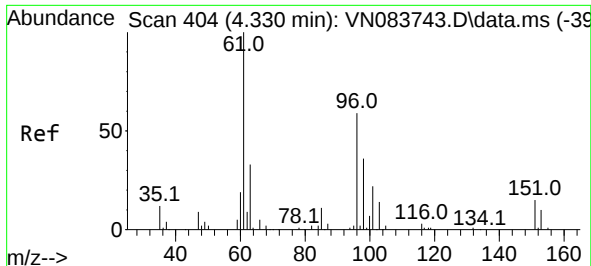
Tgt Ion:101 Resp: 1281
Ion Ratio Lower Upper
101 100
85 15.8 36.2 54.4#
151 35.5 57.7 86.5#



#11
Tert butyl alcohol
Concen: 0.340 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

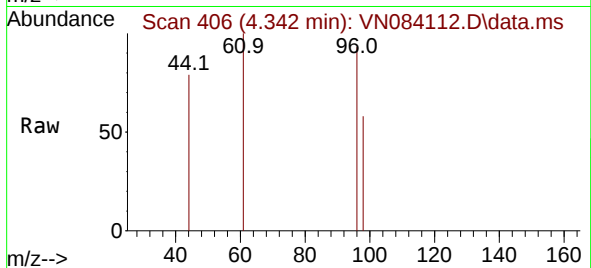
Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





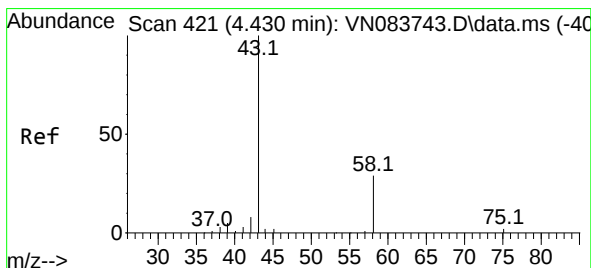
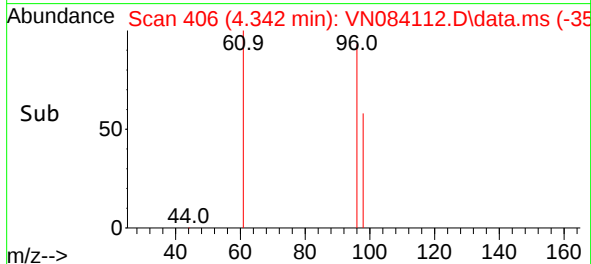
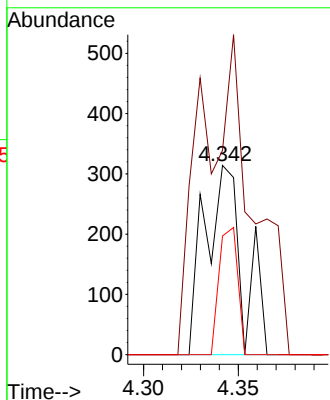
#12
1,1-Dichloroethene
Concen: 0.255 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912DL



Tgt Ion: 96 Resp: 437

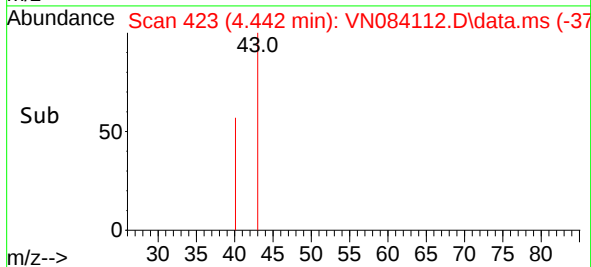
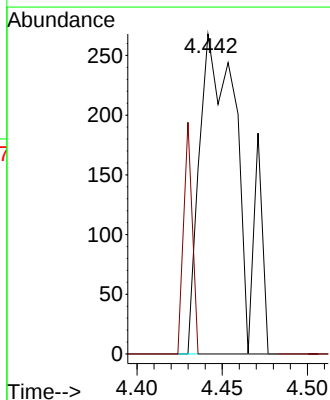
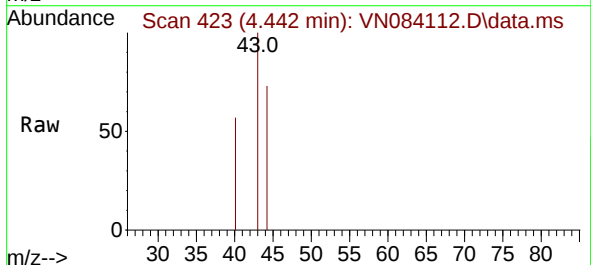
Ion	Ratio	Lower	Upper
96	100		
61	108.0	143.4	215.0#
98	62.7	52.7	79.1



#16
Acetone
Concen: 0.464 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 43 Resp: 445

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.7	35.5#

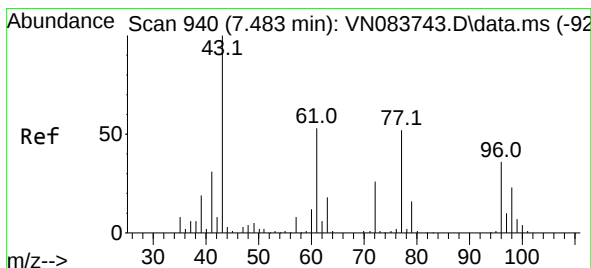
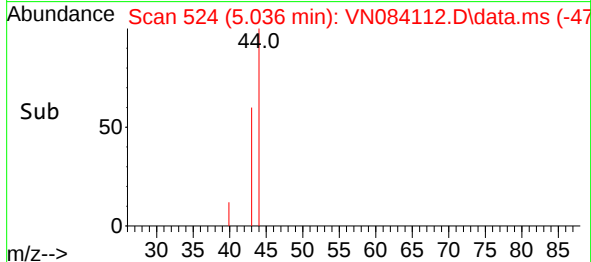
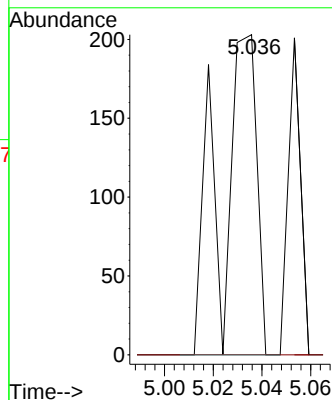
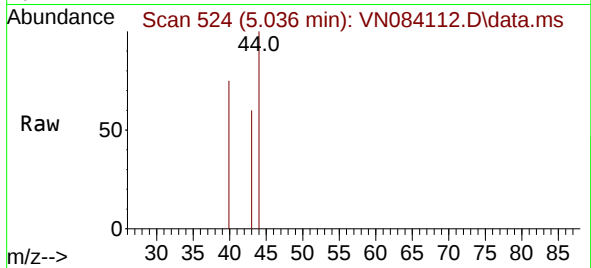




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

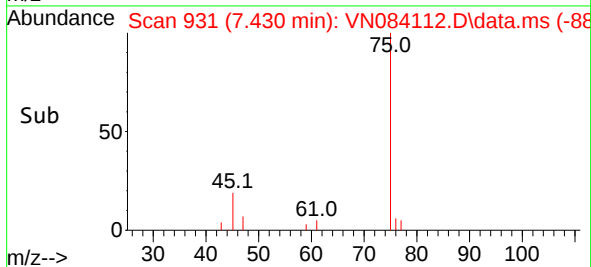
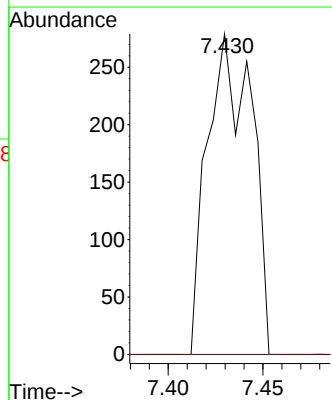
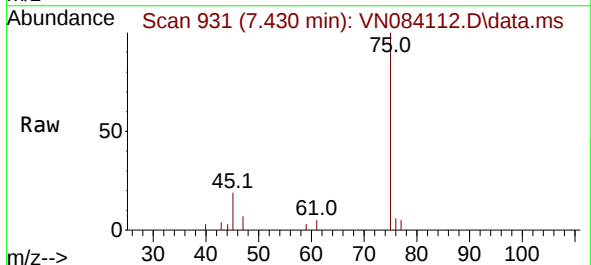
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912DL

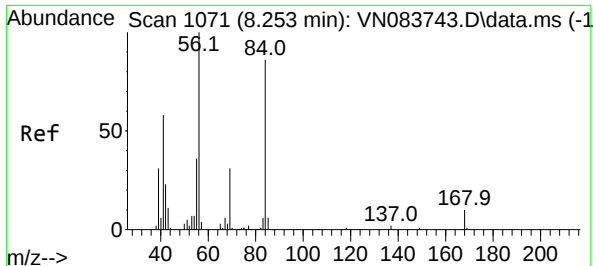
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#25
2-Butanone
Concen: 0.359 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.053 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#

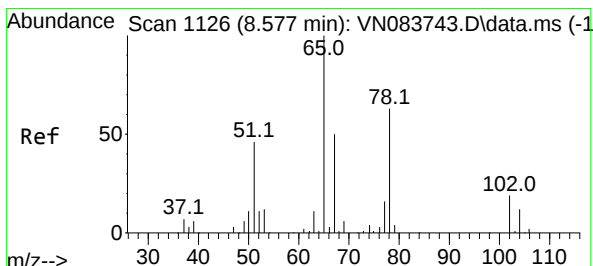
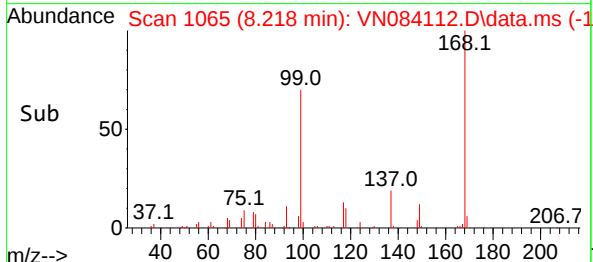
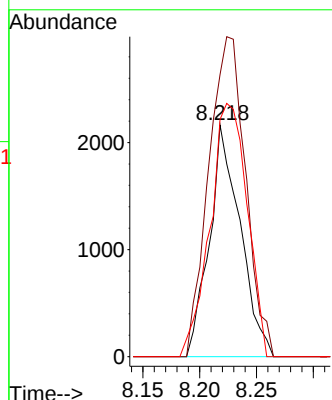
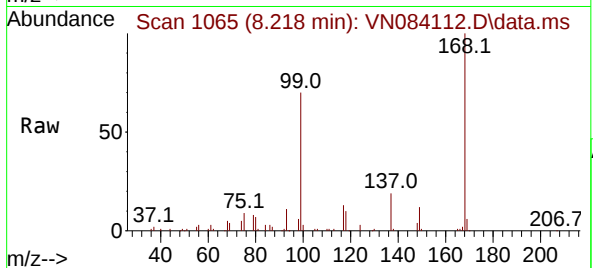




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

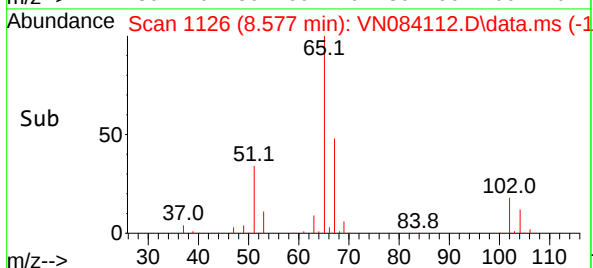
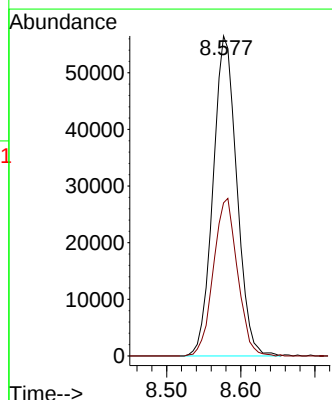
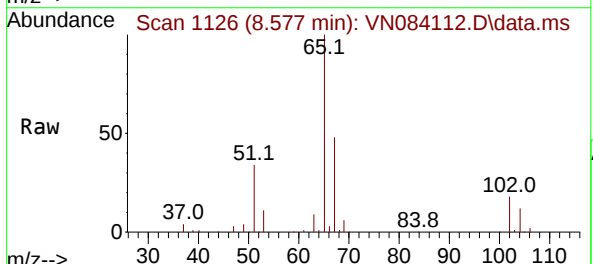
Instrument :
MSVOA_N
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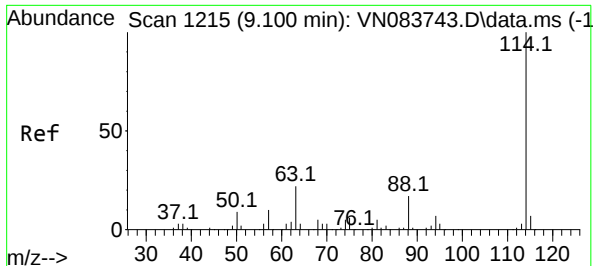
Tgt Ion: 56 Resp: 4067
Ion Ratio Lower Upper
56 100
69 121.8 26.9 40.3#
84 102.4 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 52.537 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 65 Resp: 125671
Ion Ratio Lower Upper
65 100
67 50.0 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: VN084112.D

Acq: 23 Sep 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240912DL

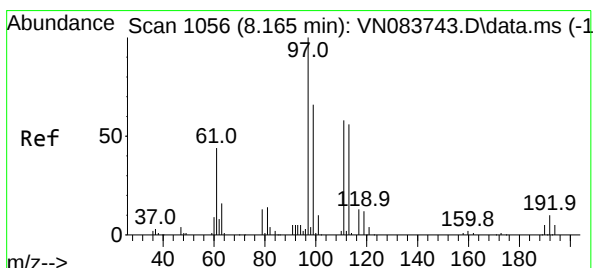
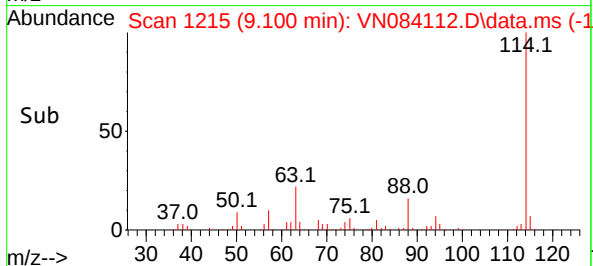
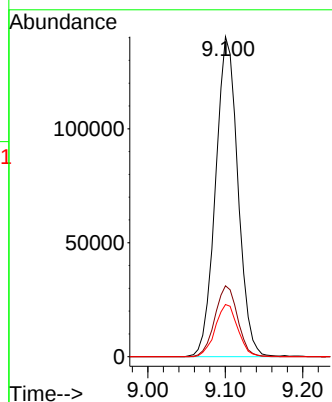
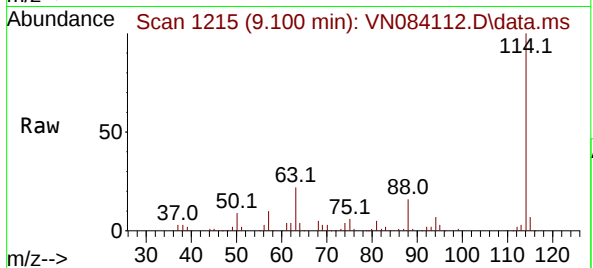
Tgt Ion:114 Resp: 281557

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.653 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084112.D

Acq: 23 Sep 2024 16:17

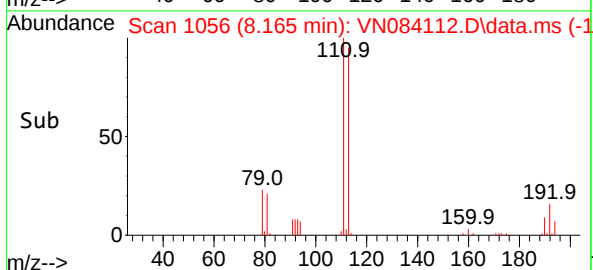
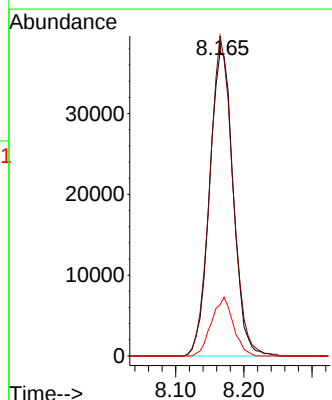
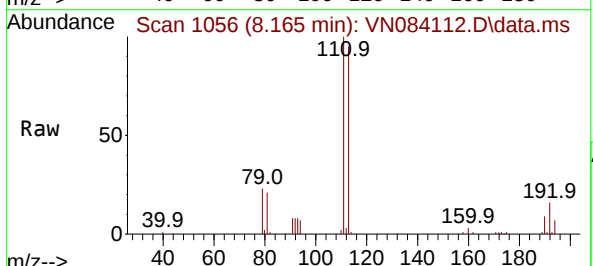
Tgt Ion:113 Resp: 91301

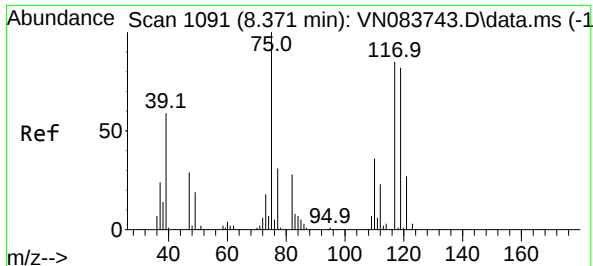
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 17.7 14.3 21.5

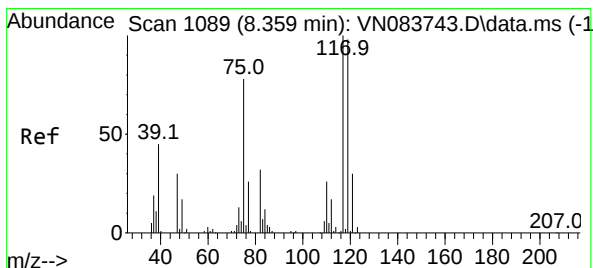
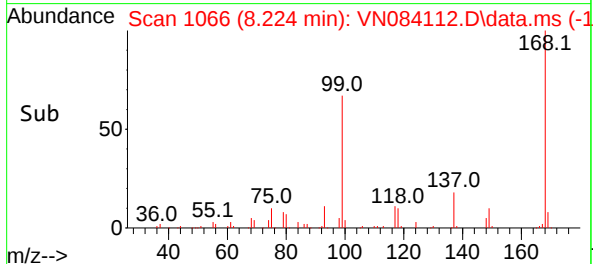
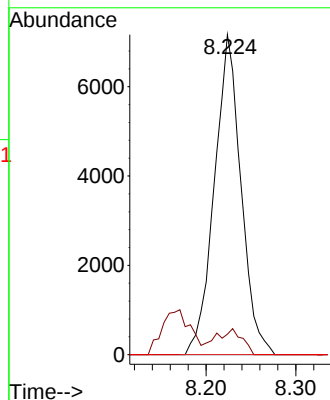
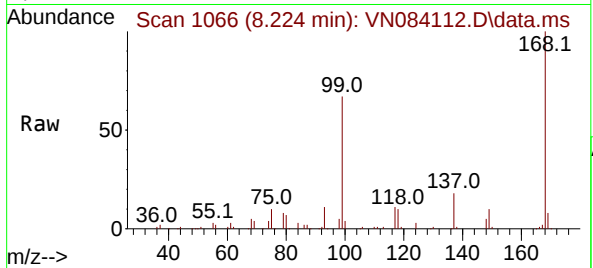




#36
1,1-Dichloropropene
Concen: 5.437 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

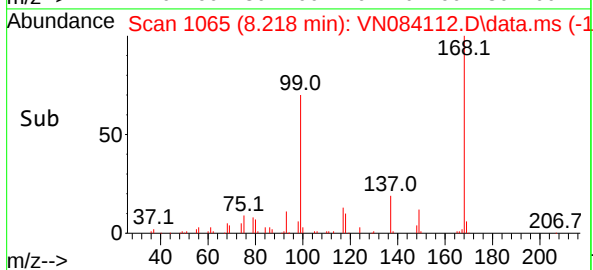
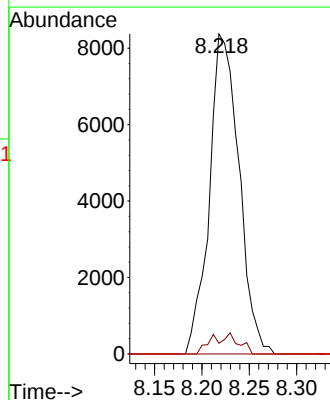
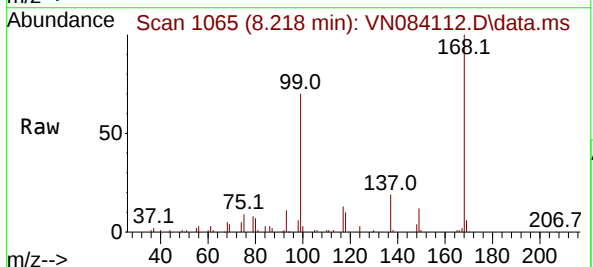
Instrument :
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RE120D3-20240912DL

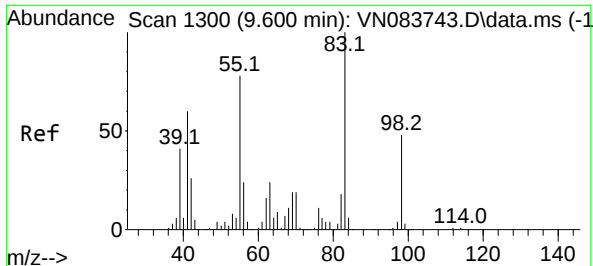
Tgt Ion: 75 Resp: 14750
Ion Ratio Lower Upper
75 100
110 7.6 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 117 Resp: 18209
Ion Ratio Lower Upper
117 100
119 3.4 76.1 114.1#
121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.272 ug/l

RT: 9.359 min Scan# 1129

Delta R.T. -0.241 min

Lab File: VN084112.D

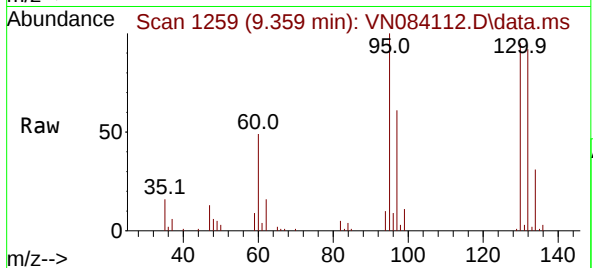
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Instrument :

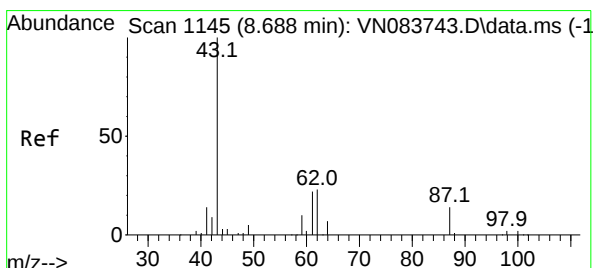
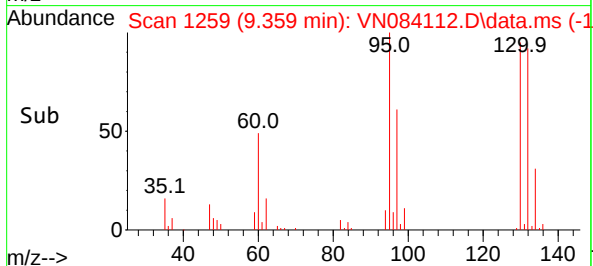
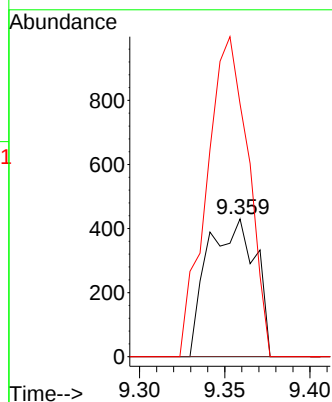
MSVOA_N

ClientSampleId :

RE120D3-20240912DL



Tgt Ion:	83	Resp:	839
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.2	93.4#
98	183.5	37.6	56.4#



#43

Isopropyl Acetate

Concen: 0.826 ug/l

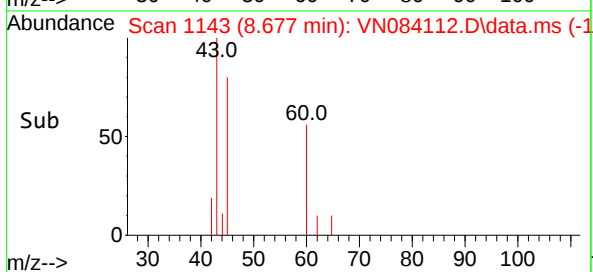
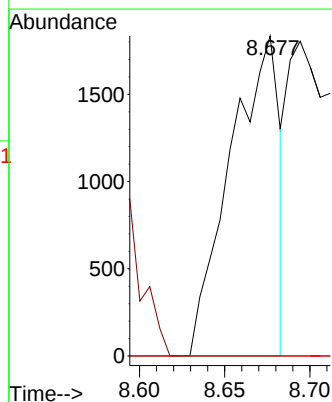
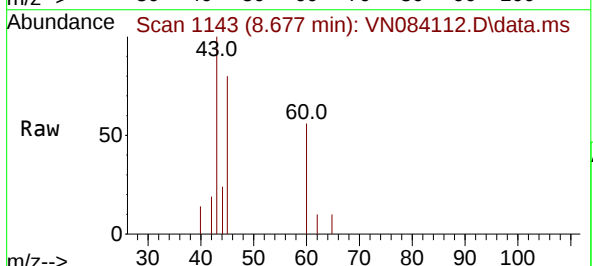
RT: 8.677 min Scan# 1143

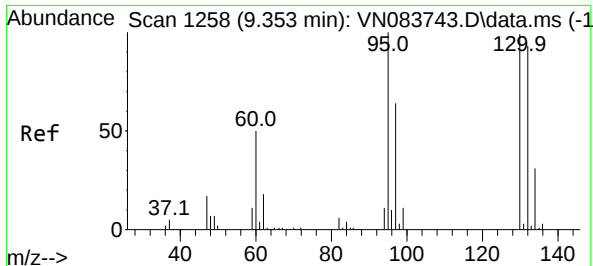
Delta R.T. -0.012 min

Lab File: VN084112.D

Acq: 23 Sep 2024 16:17

Tgt Ion:	43	Resp:	3685
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.4	29.0#
87	0.0	9.8	14.6#

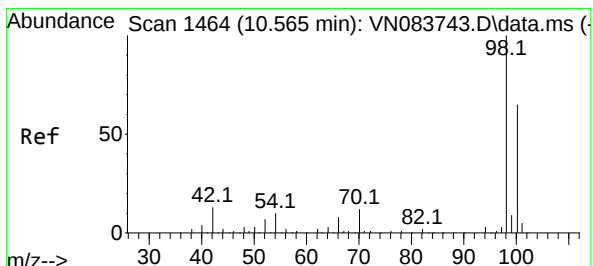
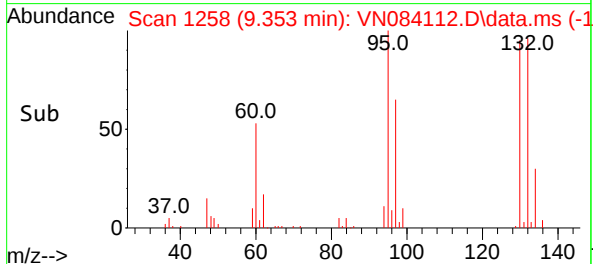
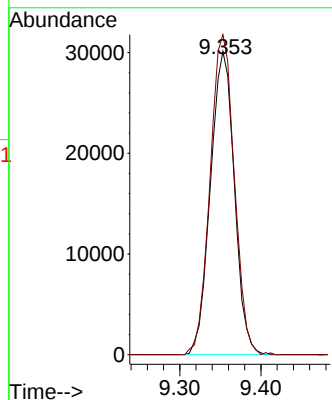
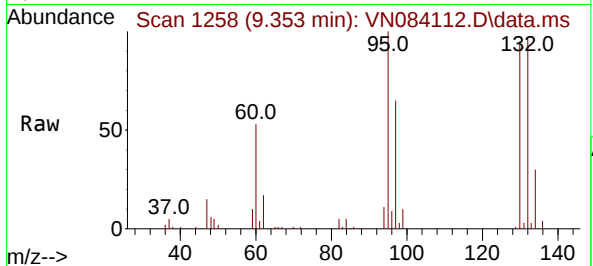




#44
Trichloroethene
Concen: 32.547 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

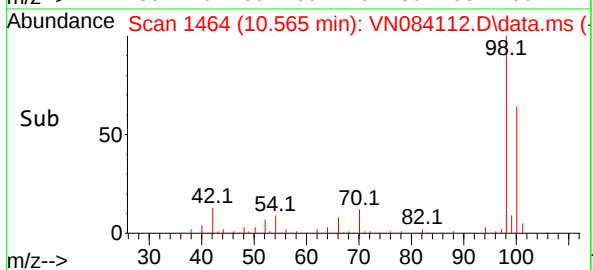
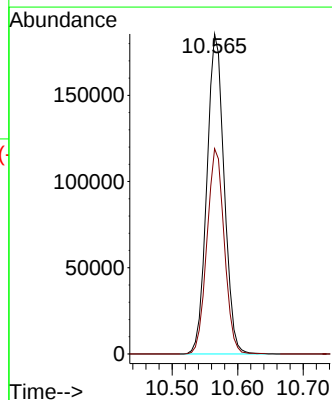
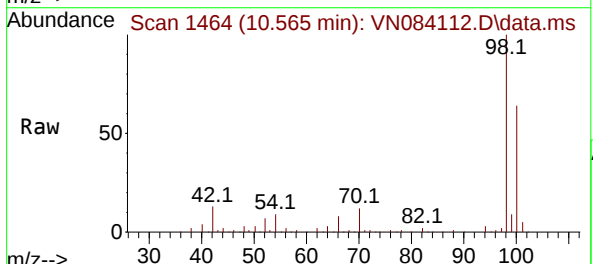
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912DL

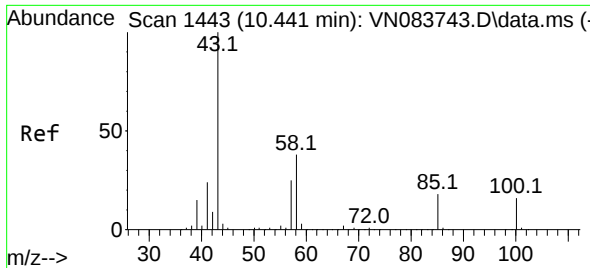
Tgt Ion:130 Resp: 61546
Ion Ratio Lower Upper
130 100
95 105.6 0.0 200.4



#50
Toluene-d8
Concen: 54.547 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 98 Resp: 339900
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.627 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.124 min

Lab File: VN084112.D

Acq: 23 Sep 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

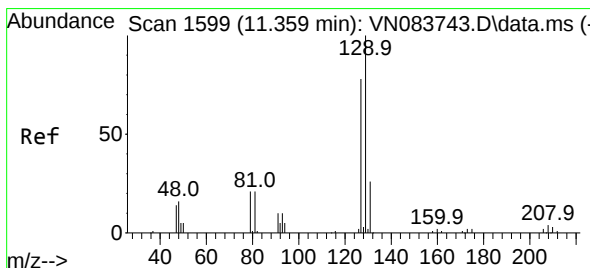
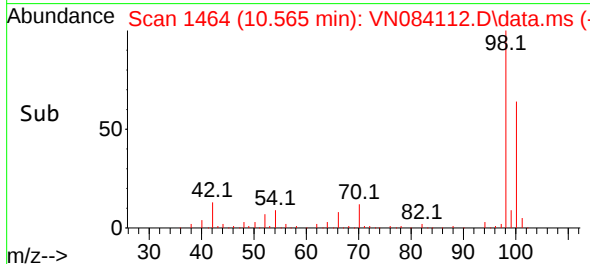
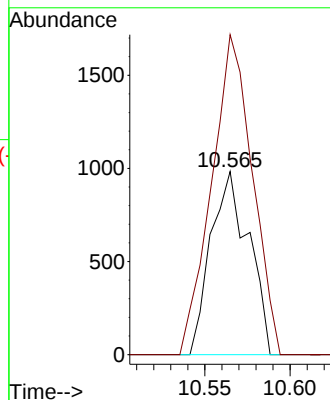
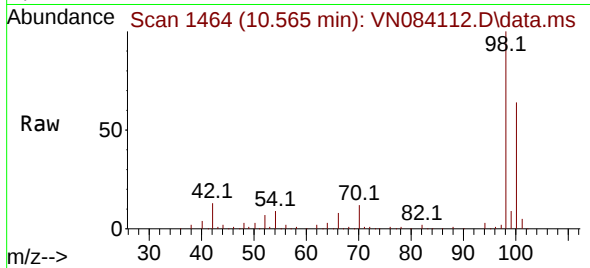
RE120D3-20240912DL

Tgt Ion: 43 Resp: 1522

Ion Ratio Lower Upper

43 100

58 188.2 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.275 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN084112.D

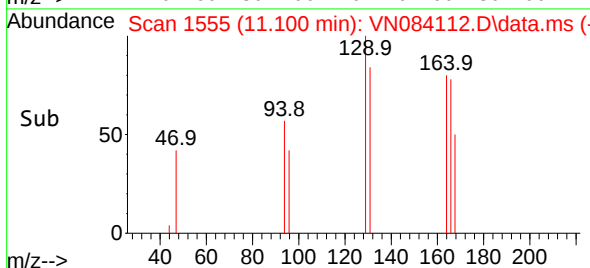
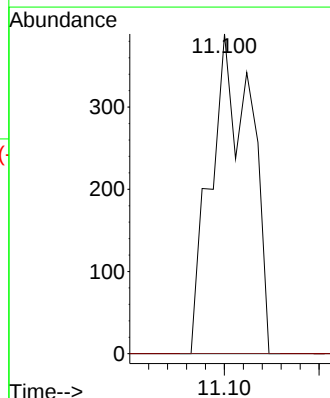
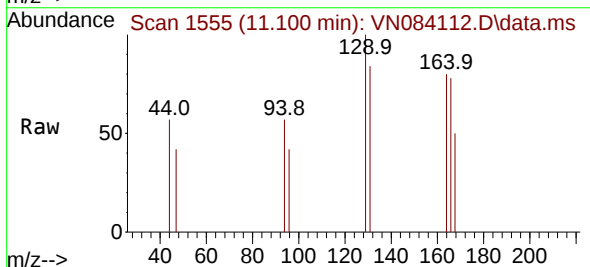
Acq: 23 Sep 2024 16:17

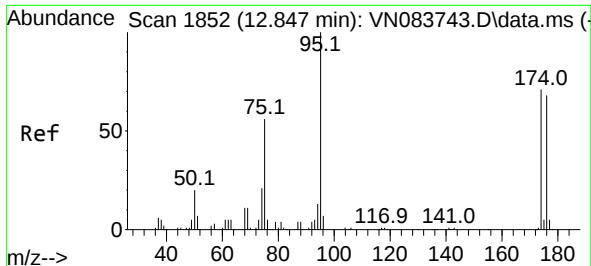
Tgt Ion: 129 Resp: 574

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

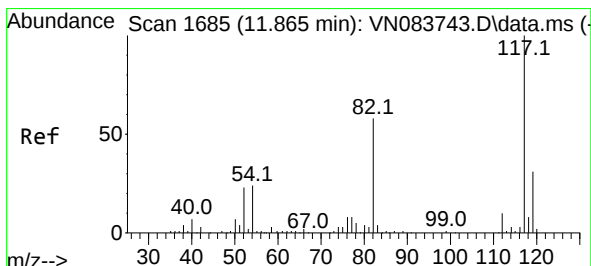
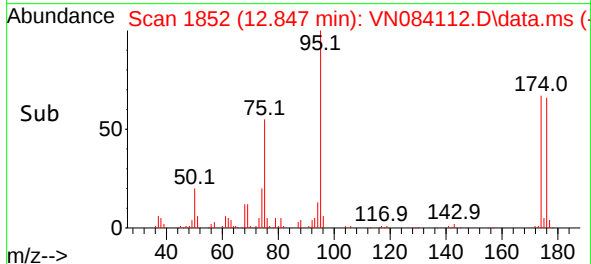
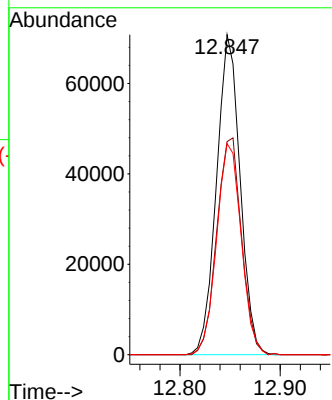
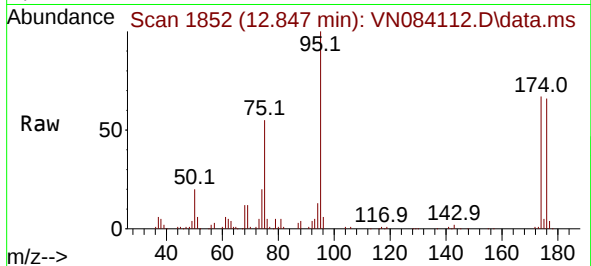




#62
4-Bromofluorobenzene
Concen: 44.982 ug/l
RT: 12.847 min Scan# 115643
Delta R.T. 0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

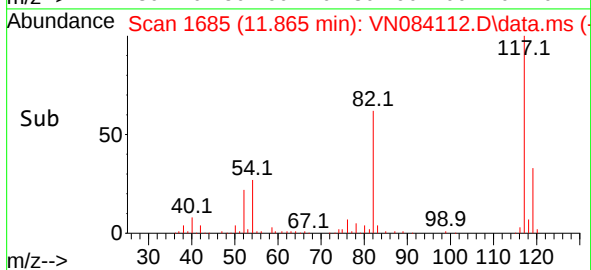
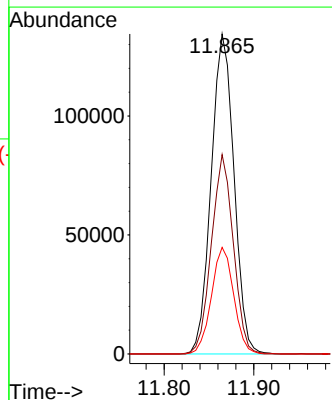
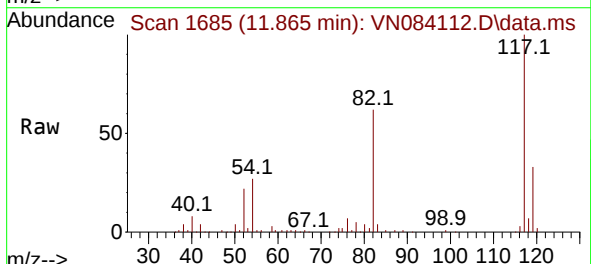
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240912DL

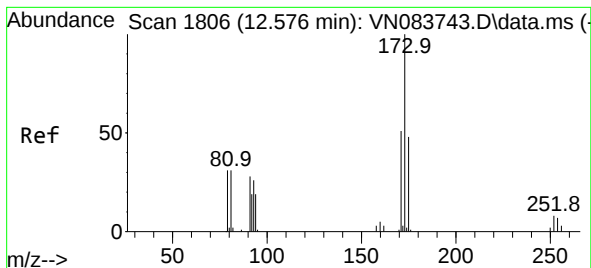
Tgt Ion: 95 Resp: 115643
Ion Ratio Lower Upper
95 100
174 71.2 0.0 139.8
176 68.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084112.D
Acq: 23 Sep 2024 16:17

Tgt Ion: 117 Resp: 237228
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.0
119 33.3 26.3 39.5





#71

Bromoform

Concen: 0.676 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN084112.D

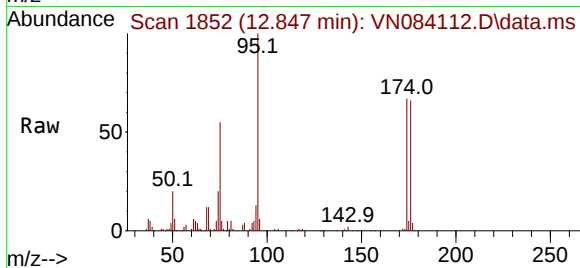
Acq: 23 Sep 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240912DL



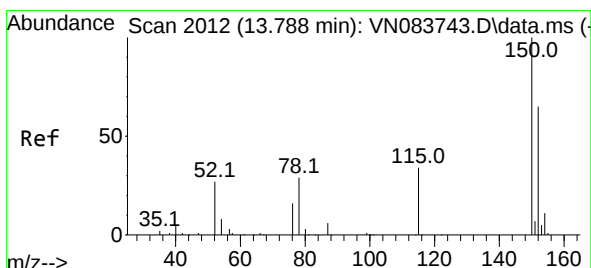
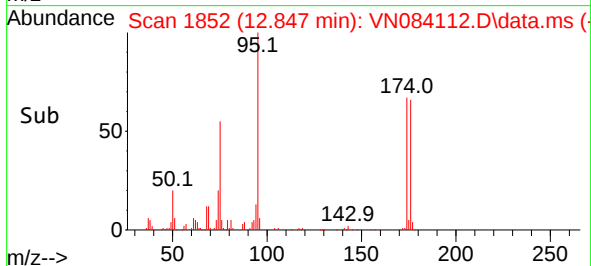
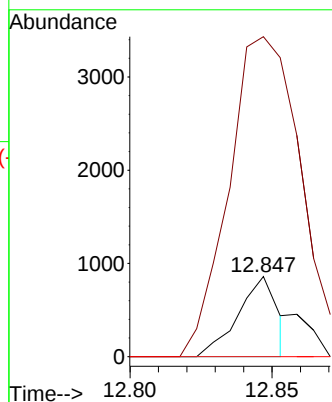
Tgt Ion:173 Resp: 833

Ion Ratio Lower Upper

173 100

175 554.5 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: VN084112.D

Acq: 23 Sep 2024 16:17

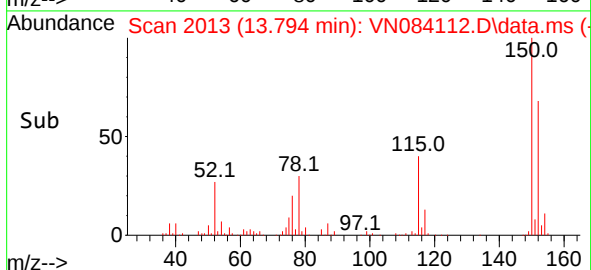
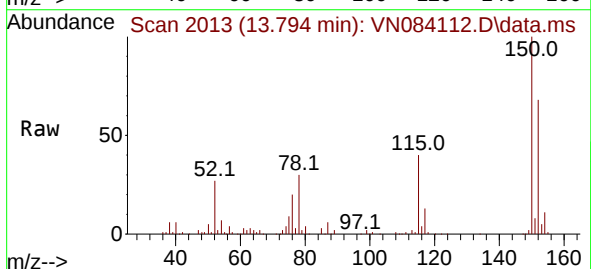
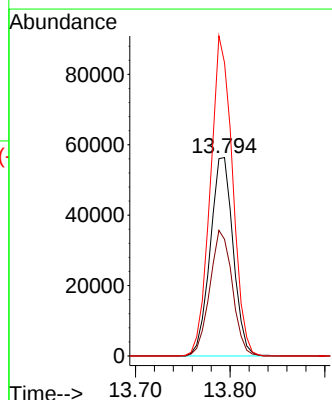
Tgt Ion:152 Resp: 94928

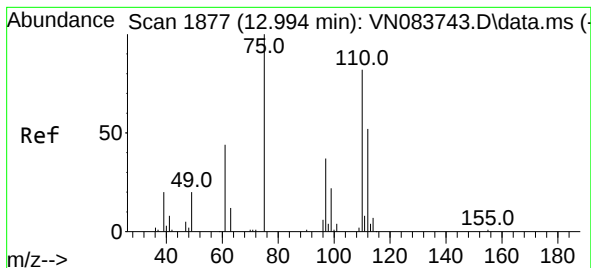
Ion Ratio Lower Upper

152 100

115 62.1 32.2 96.6

150 155.7 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 33.650 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084112.D

Acq: 23 Sep 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

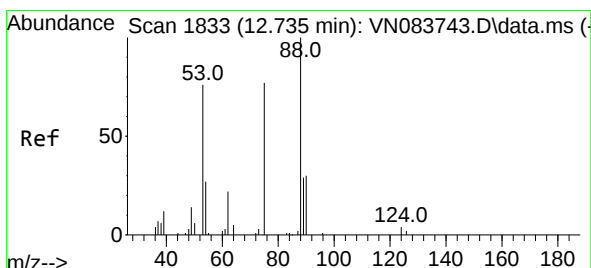
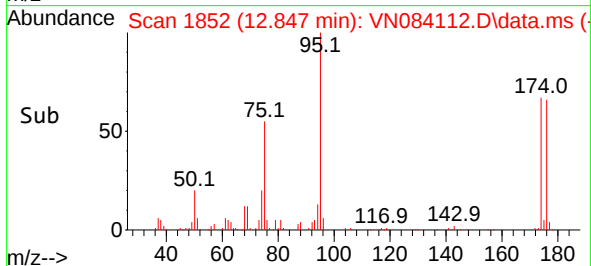
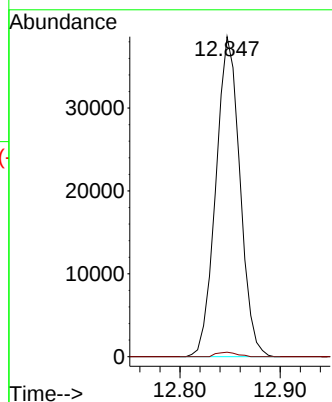
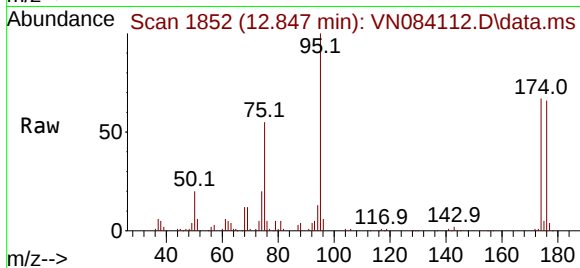
RE120D3-20240912DL

Tgt Ion: 75 Resp: 64456

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.133 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084112.D

Acq: 23 Sep 2024 16:17

Tgt Ion: 75 Resp: 64456

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

