

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064736.D
 Acq On : 19 Nov 2020 16:26
 Operator : JC/MD
 Sample : L4783-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12D

Quant Time: Nov 20 03:50:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	198962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	411743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	432167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	200966	57.42	ug/l	0.00
Spiked Amount			Recovery	=	114.84%	
35) Dibromofluoromethane	7.55	113	130207	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
50) Toluene-d8	10.06	98	523826	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.38	95	211140	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	

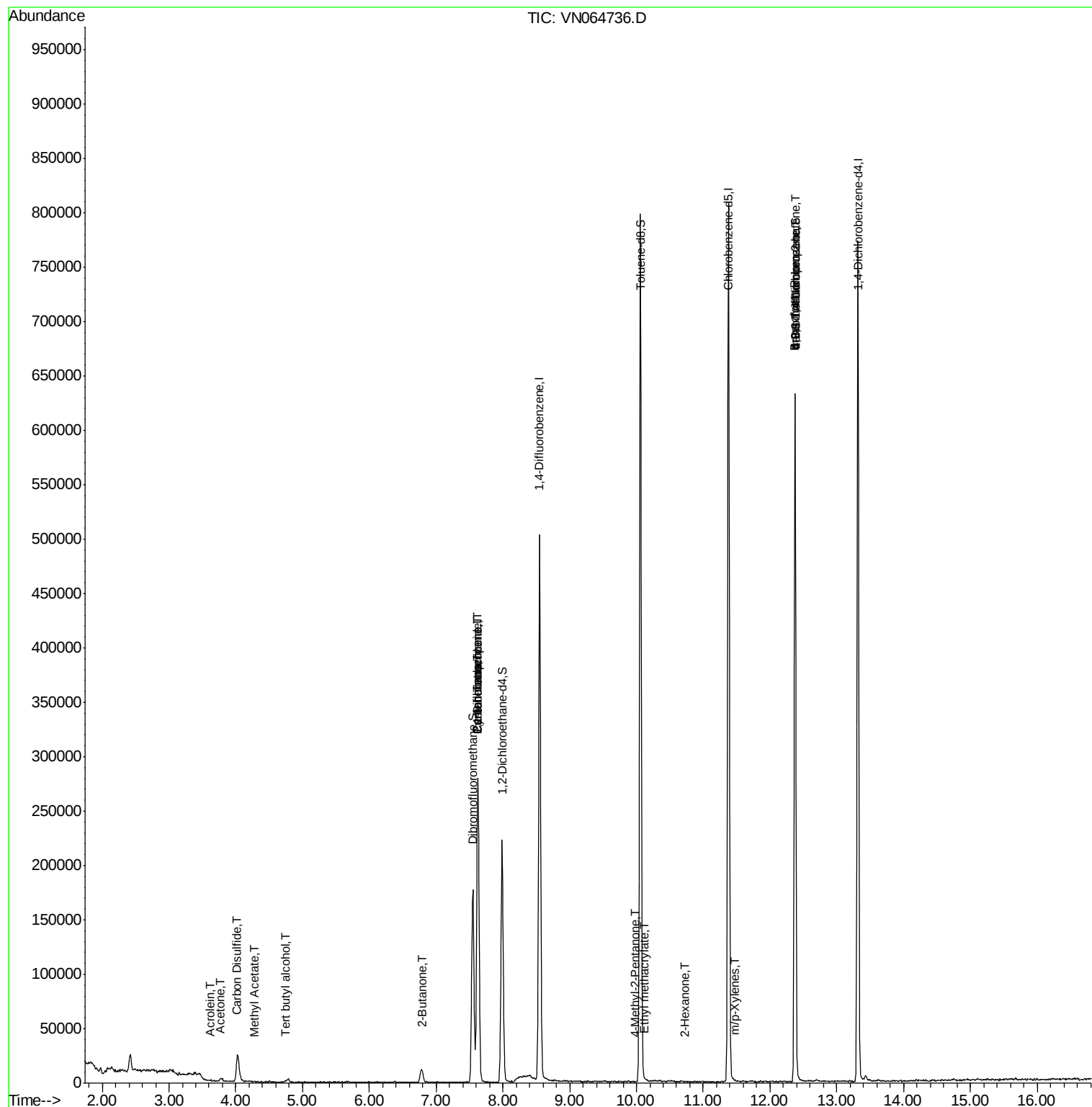
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	246	0.724	ug/l #	70
13) Acrolein	3.61	56	62	0.780	ug/l #	11
16) Acetone	3.77	43	4227	9.955	ug/l	91
17) Carbon Disulfide	4.01	76	460	0.205	ug/l #	75
18) Methyl Acetate	4.27	43	447	1.504	ug/l #	54
25) 2-Butanone	6.80	43	645	0.482	ug/l #	51
31) Cyclohexane	7.62	56	6101	1.612	ug/l #	36
36) 1,1-Dichloropropene	7.63	75	20607	4.865	ug/l #	49
38) Carbon Tetrachloride	7.63	117	22742	5.052	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	172	6.170	ug/l #	39
56) Ethyl methacrylate	10.13	69	100	2.695	ug/l #	1
59) 2-Hexanone	10.72	43	87	8.467	ug/l #	28
68) m/p-Xylenes	11.48	106	216	4.093	ug/l #	61
71) Bromoform	12.36	173	511	2.629	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	118266	30.472	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118266	77.654	ug/l #	5

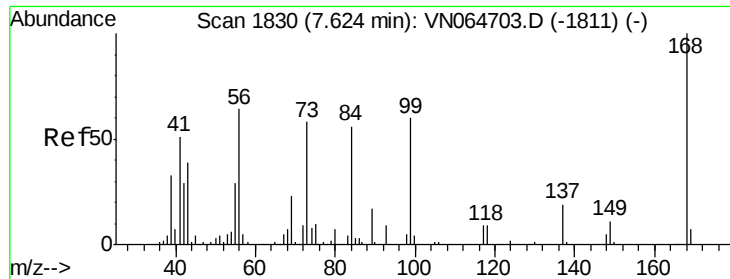
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

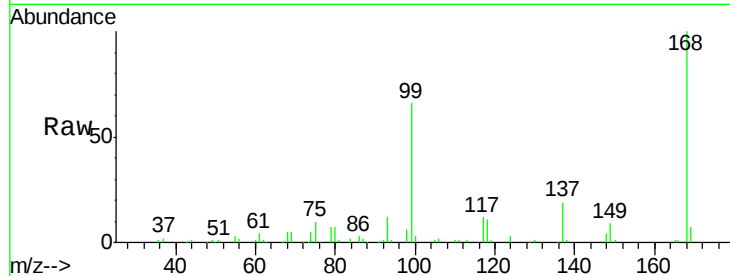
MW-12D

Tot Ion:168 Resp: 198962

Ion Ratio Lower Upper

168 100

99 66.2 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

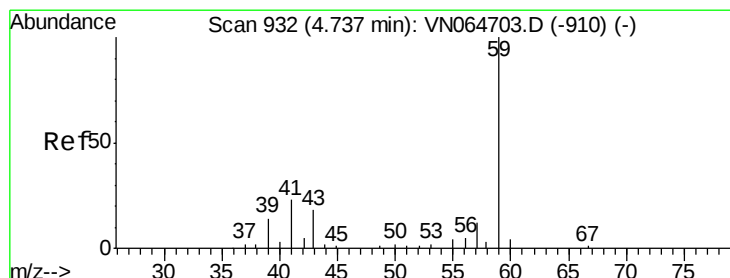
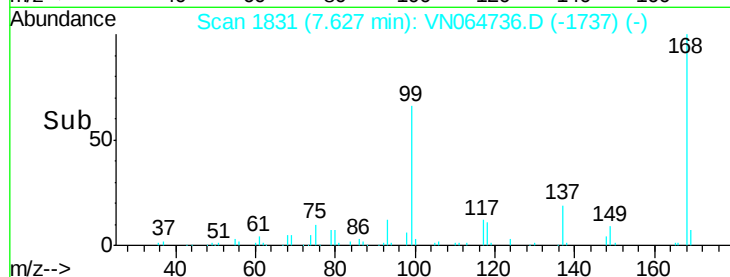
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.724 ug/l

RT: 4.75 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN064736.D

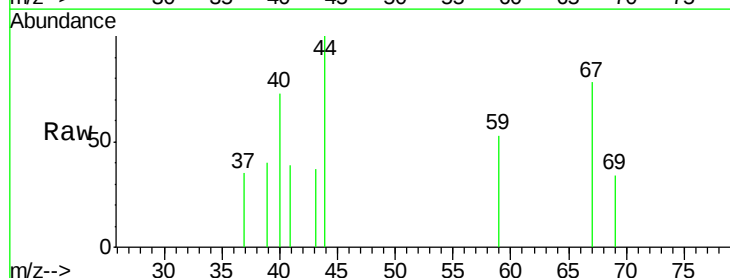
Acq: 19 Nov 2020 16:26

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

250

200

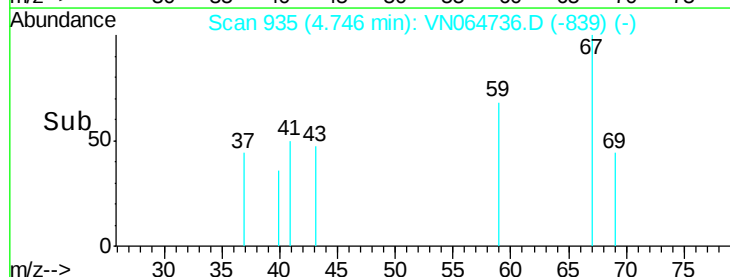
150

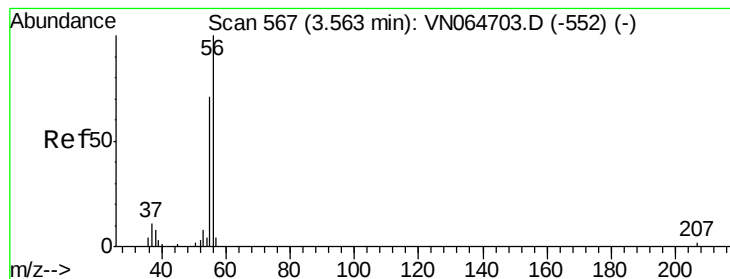
100

50

0

Time--> 4.73 4.74 4.75 4.76 4.77





#13

Acrolein

Concen: 0.780 ug/l

RT: 3.61 min Scan# 582

Delta R.T. 0.05 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

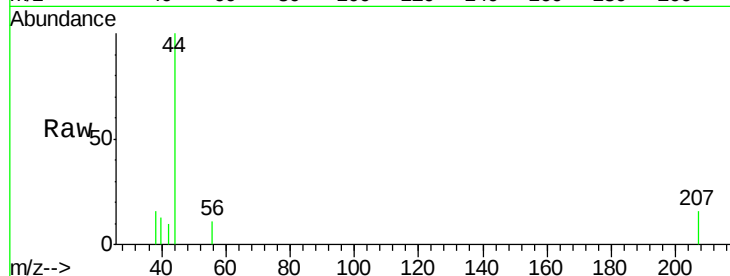
MW-12D

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

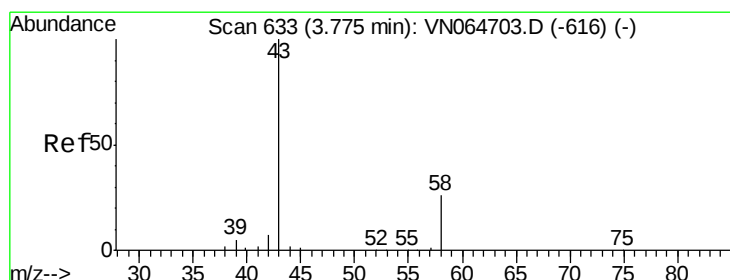
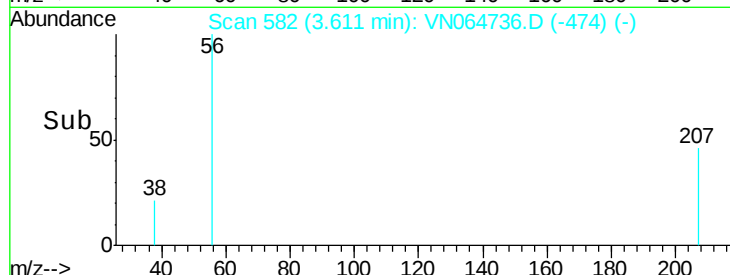
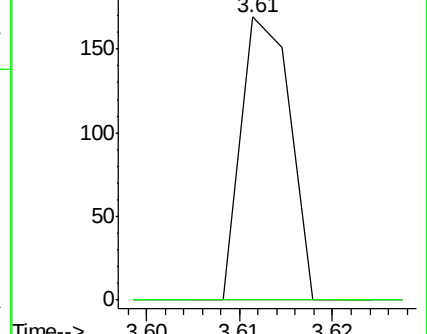
56 100

55 0.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 9.955 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064736.D

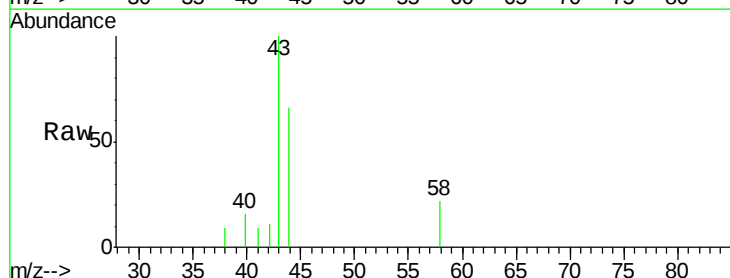
Acq: 19 Nov 2020 16:26

Tgt Ion: 43 Resp: 4227

Ion Ratio Lower Upper

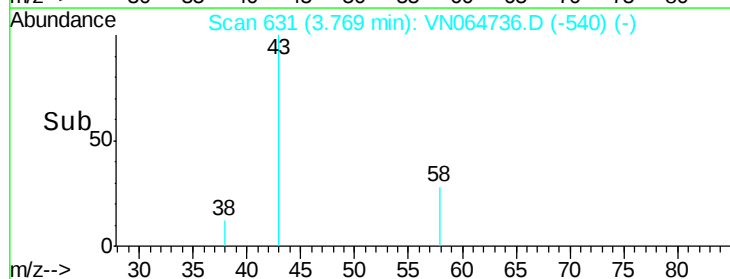
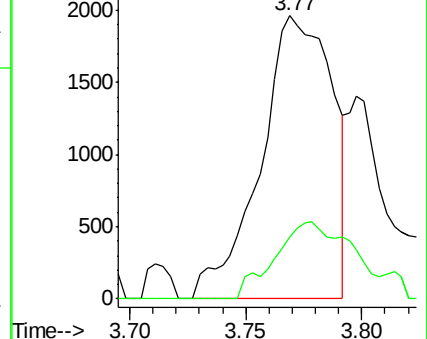
43 100

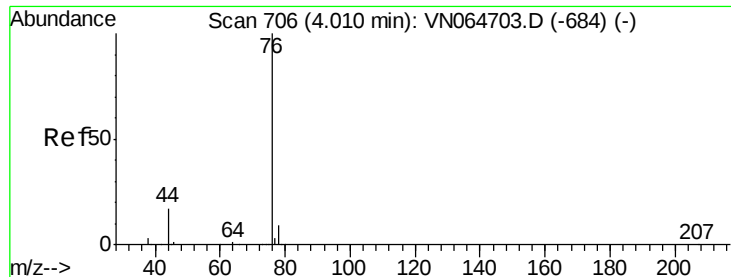
58 21.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

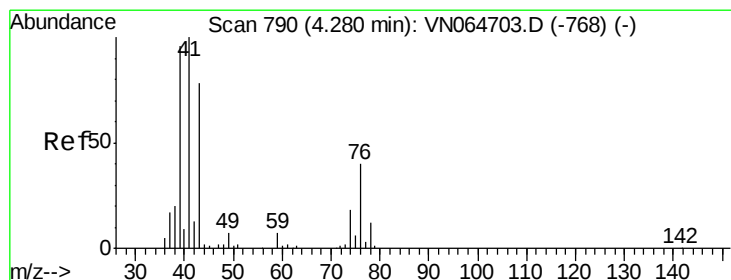
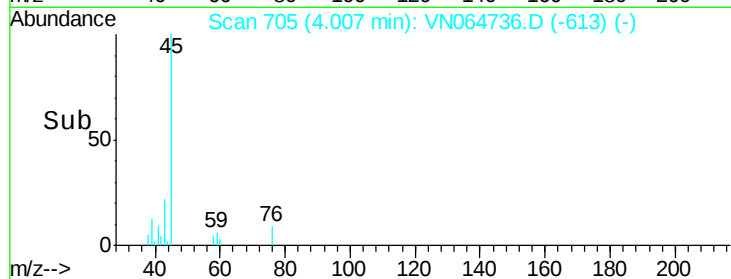
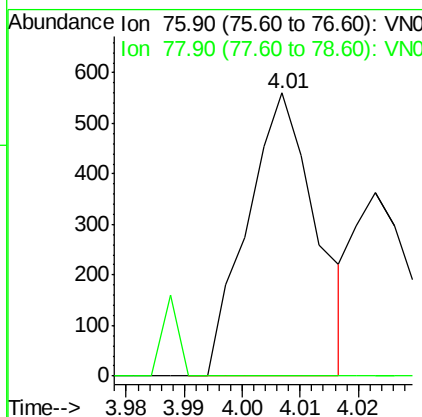
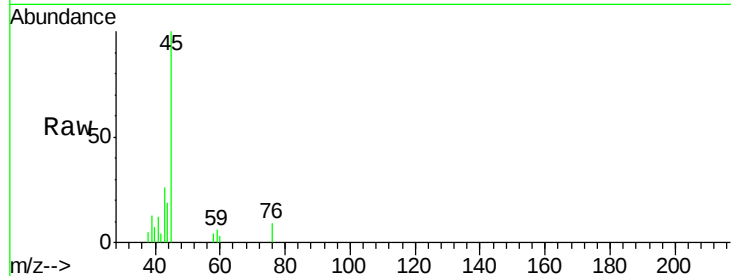




#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

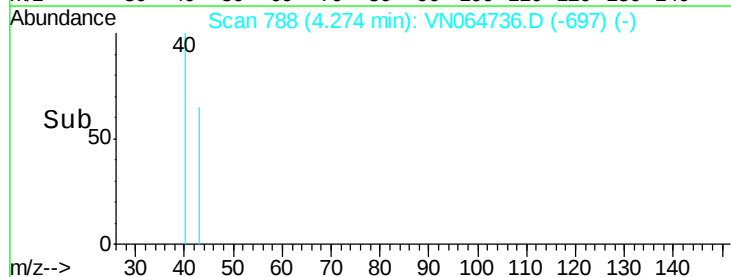
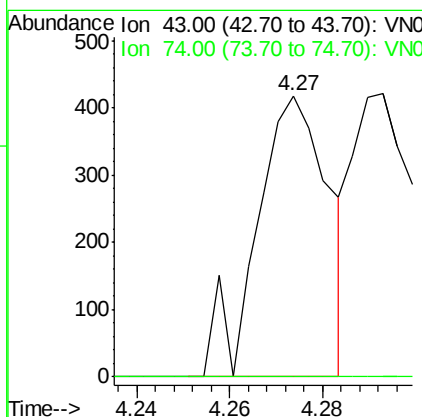
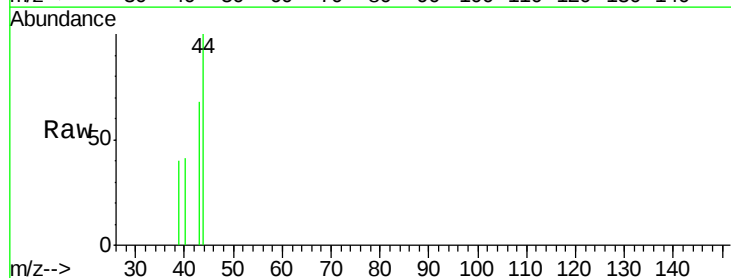
Instrument :
MSVOA_N
ClientSampled :
MW-12D

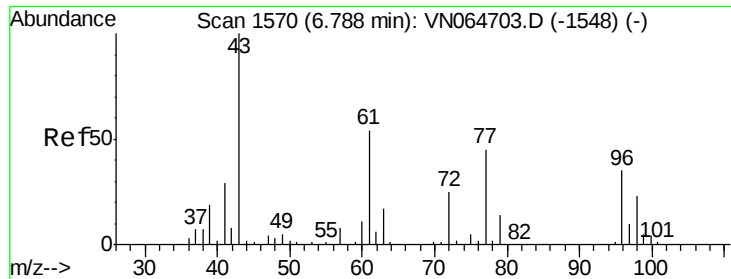
Tot Ion: 76 Resp: 460
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 1.504 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

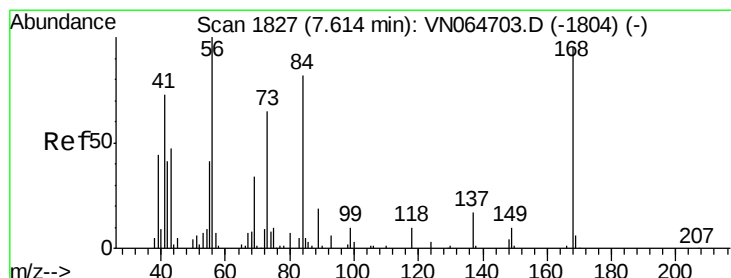
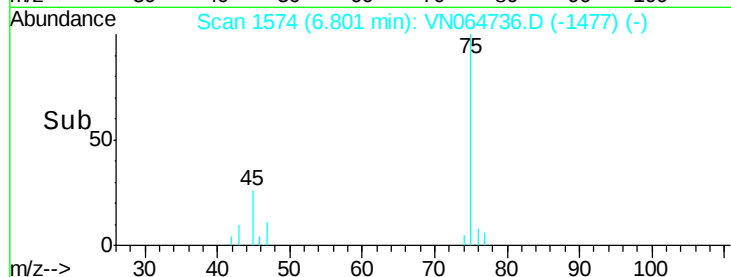
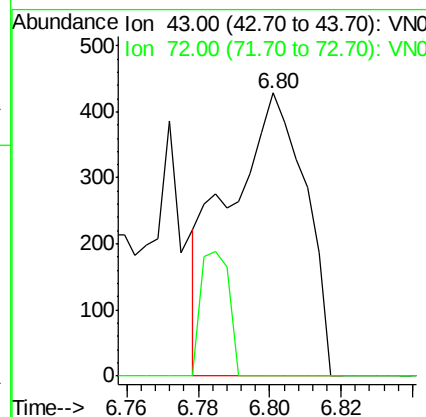
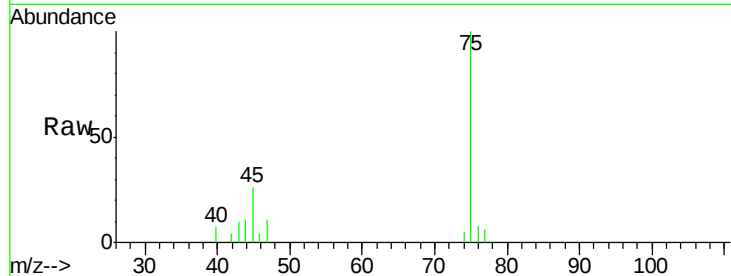




#25
2-Butanone
Concen: 0.482 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

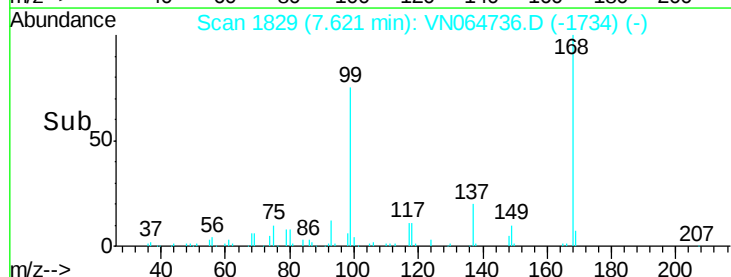
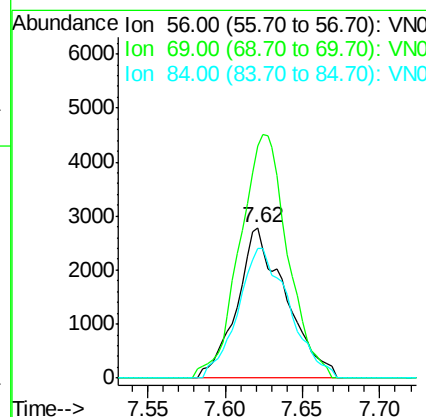
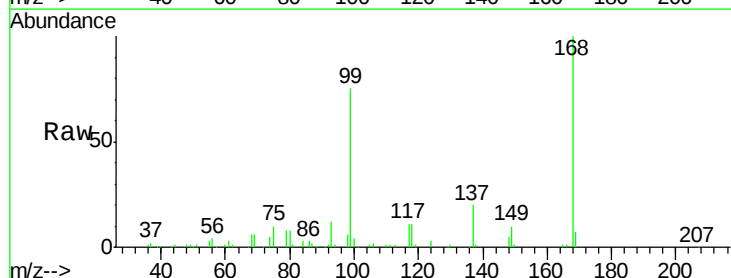
Instrument :
MSVOA_N
ClientSampleId :
MW-12D

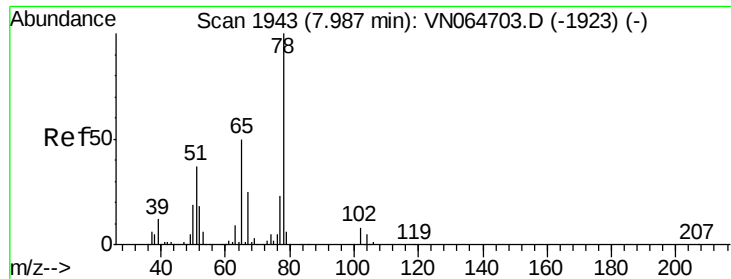
Tot Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.612 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

Tgt Ion: 56 Resp: 6101
Ion Ratio Lower Upper
56 100
69 154.1 27.2 40.8#
84 86.4 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 57.418 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

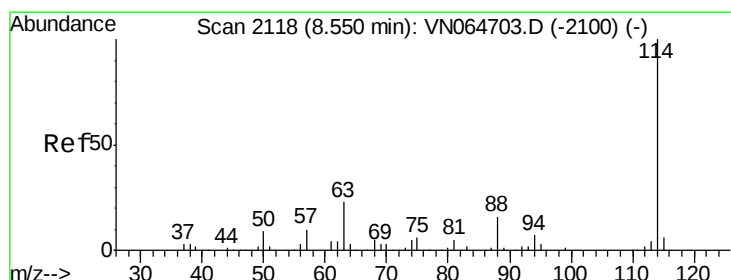
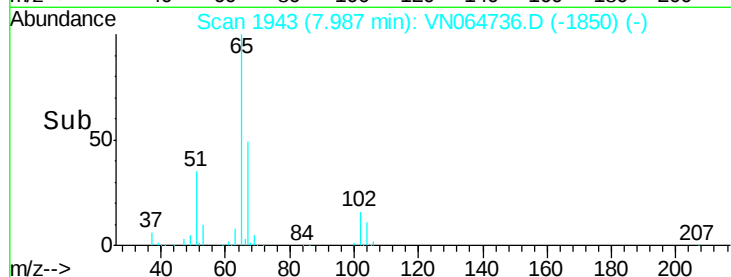
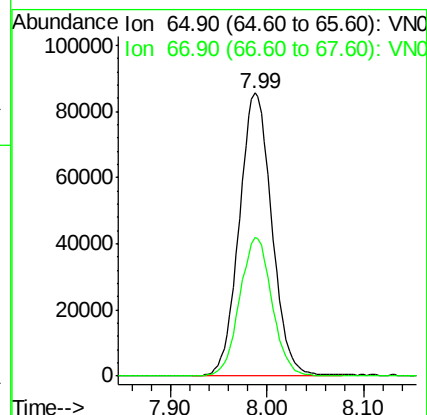
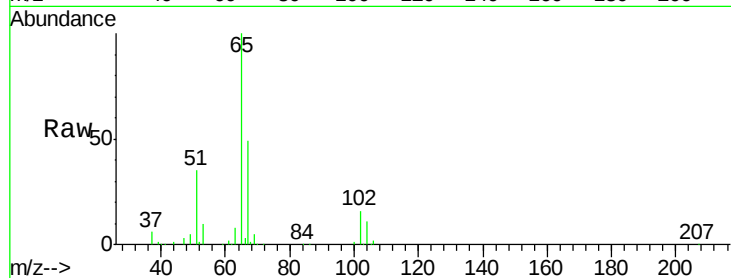
MW-12D

Tot Ion: 65 Resp: 200966

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

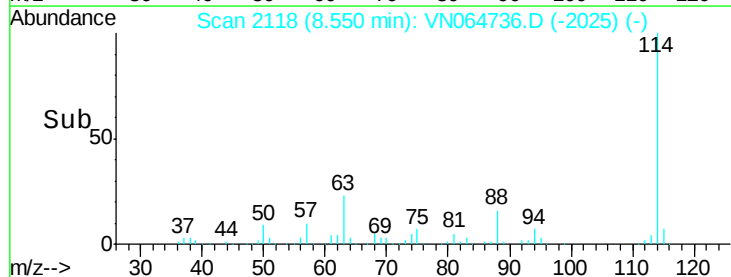
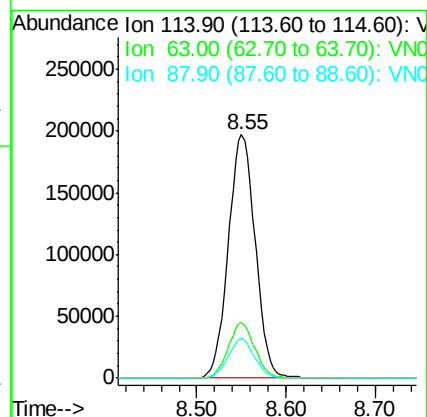
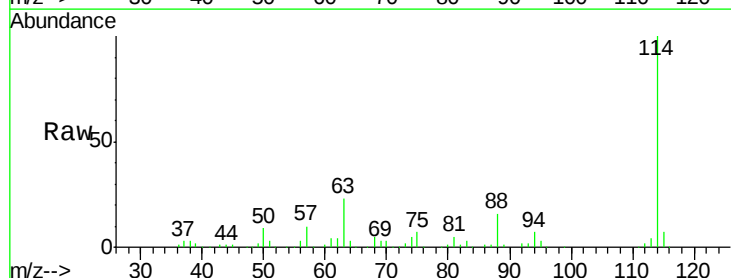
Tgt Ion: 114 Resp: 411743

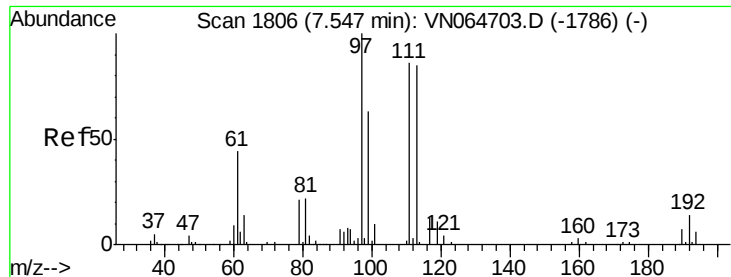
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

88 16.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 55.560 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

MW-12D

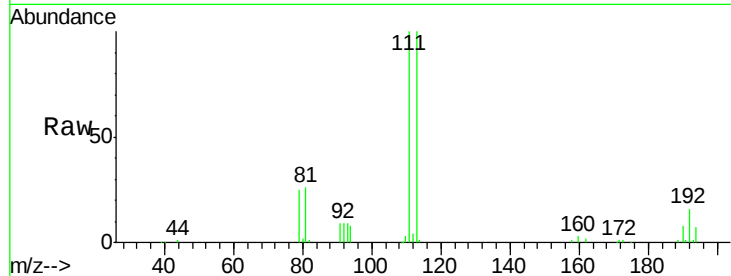
Tot Ion:113 Resp: 130207

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

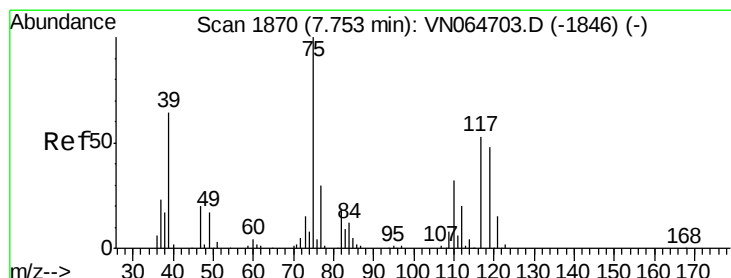
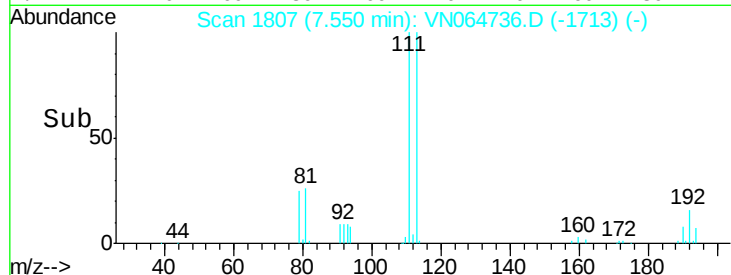
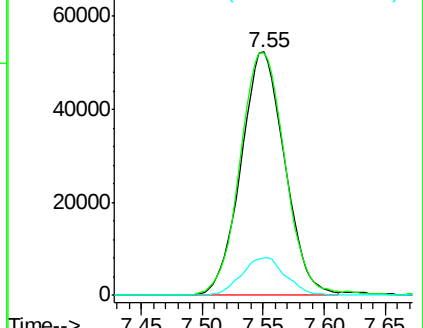
192 15.5 12.7 19.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

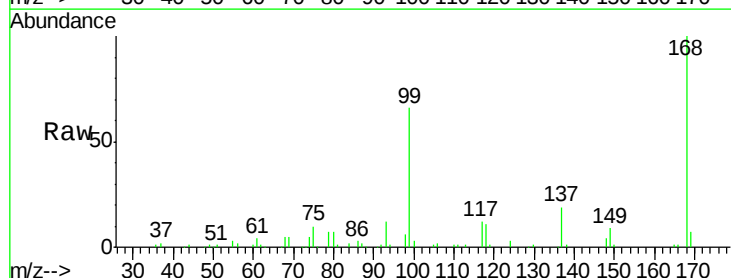
Tgt Ion: 75 Resp: 20607

Ion Ratio Lower Upper

75 100

110 6.9 16.2 48.6#

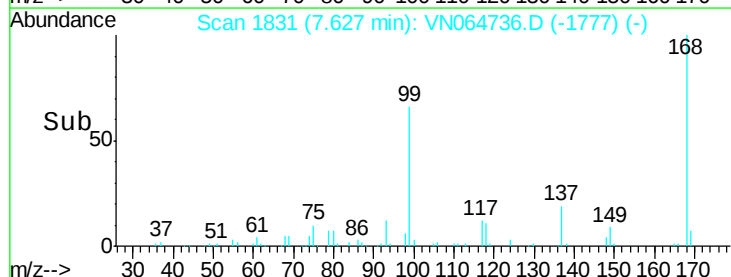
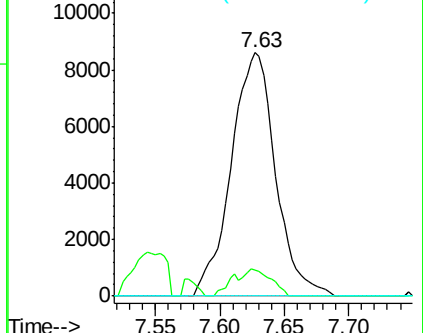
77 0.0 24.4 36.6#

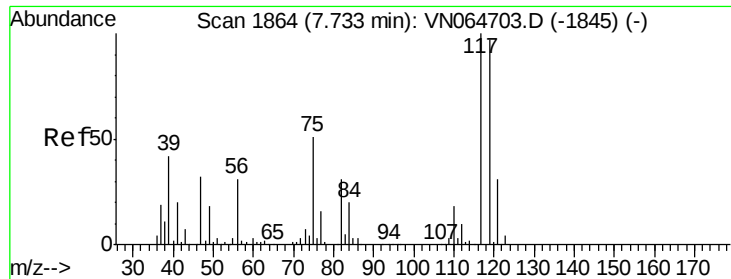


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

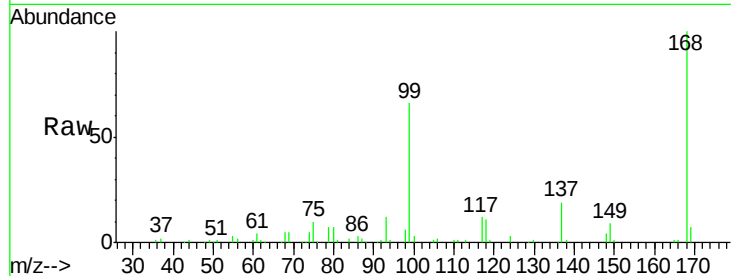




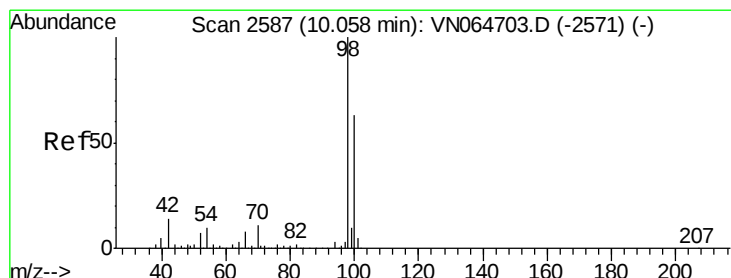
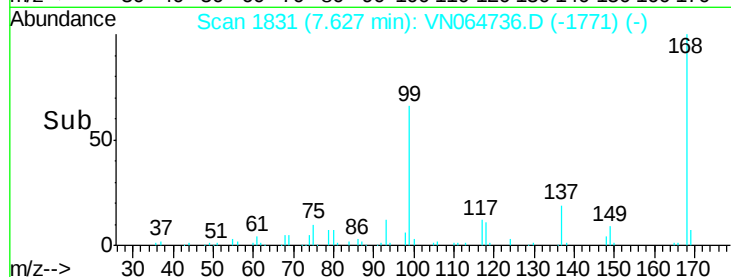
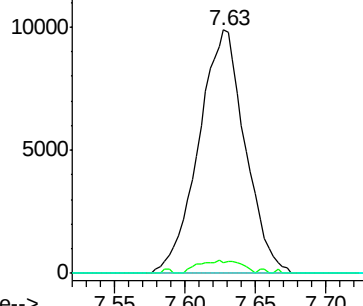
#38
Carbon Tetrachloride
Concen: 5.052 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

Instrument :
MSVOA_N
ClientSampled :
MW-12D

Tot Ion:117 Resp: 22742
Ion Ratio Lower Upper
117 100
119 4.6 77.8 116.6#
121 0.0 24.9 37.3#

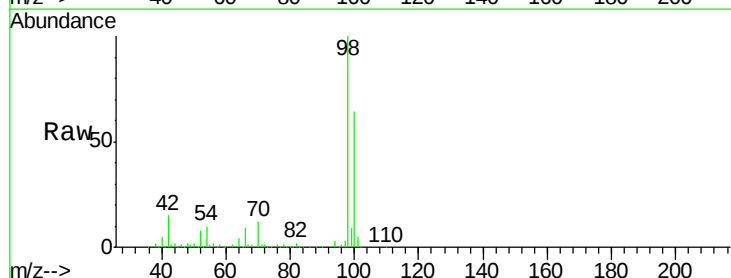


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

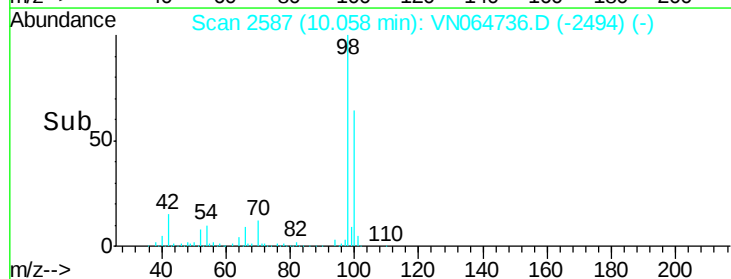
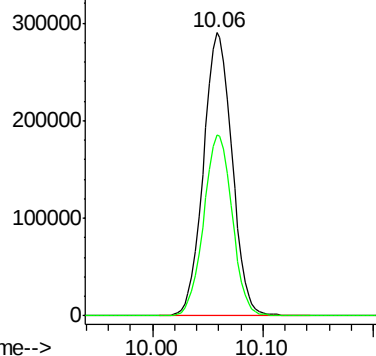


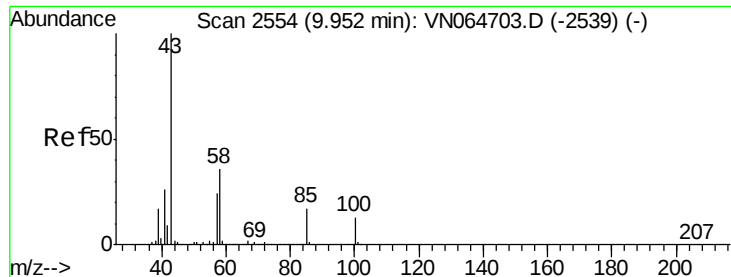
#50
Toluene-d8
Concen: 49.181 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

Tgt Ion: 98 Resp: 523826
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

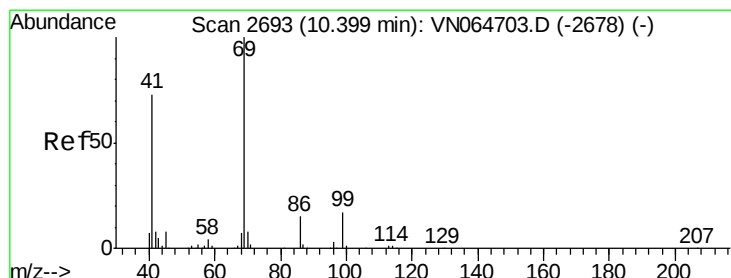
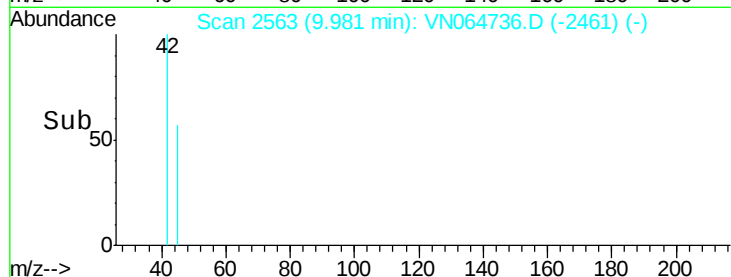
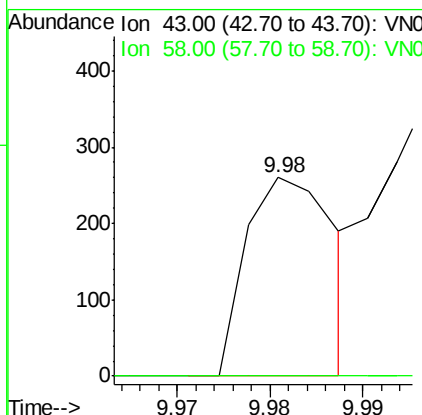
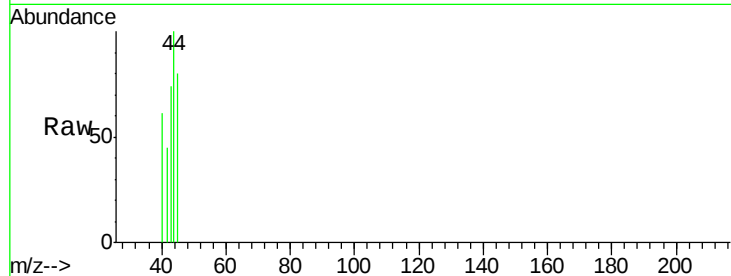




#51
 4-Methyl-2-Pentanone
 Concen: 6.170 ug/l
 RT: 9.98 min Scan# 2563
 Delta R.T. 0.03 min
 Lab File: VN064736.D
 Acq: 19 Nov 2020 16:26

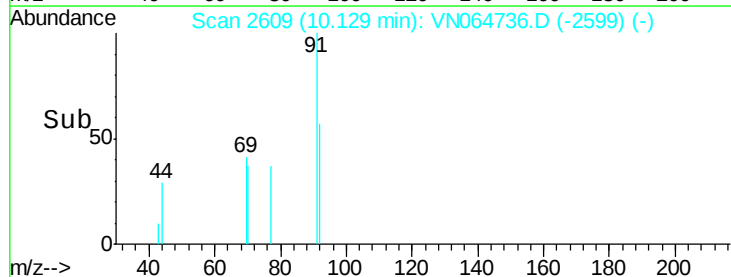
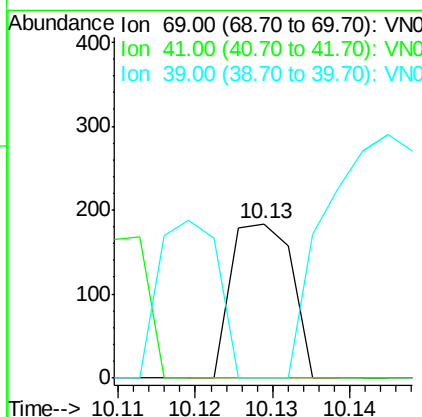
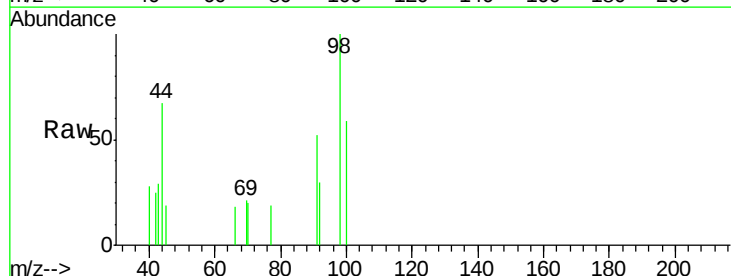
Instrument :
 MSVOA_N
 ClientSampled :
 MW-12D

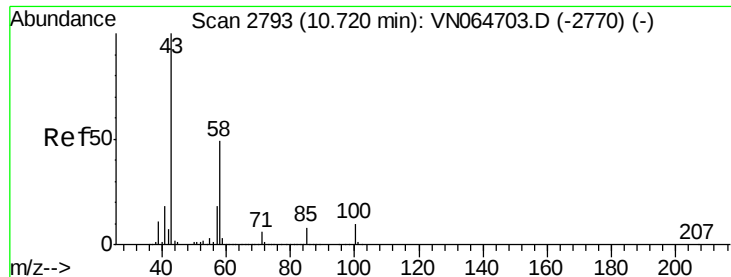
Tot Ion: 43 Resp: 172
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 42.7#



#56
 Ethyl methacrylate
 Concen: 2.695 ug/l
 RT: 10.13 min Scan# 2609
 Delta R.T. -0.27 min
 Lab File: VN064736.D
 Acq: 19 Nov 2020 16:26

Tgt Ion: 69 Resp: 100
 Ion Ratio Lower Upper
 69 100
 41 0.0 59.0 88.4#
 39 314.0 38.4 57.6#





#59

2-Hexanone

Concen: 8.467 ug/l

RT: 10.72 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

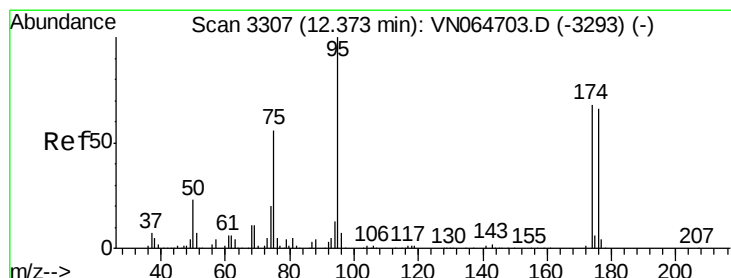
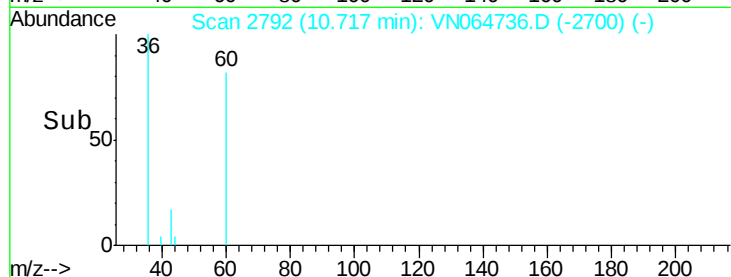
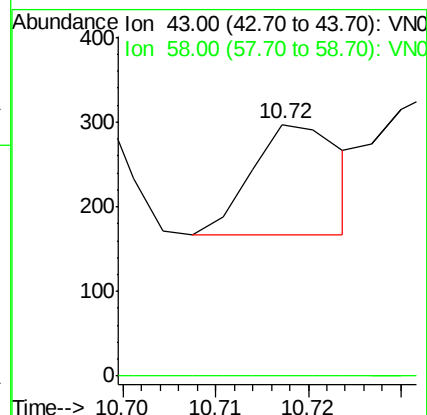
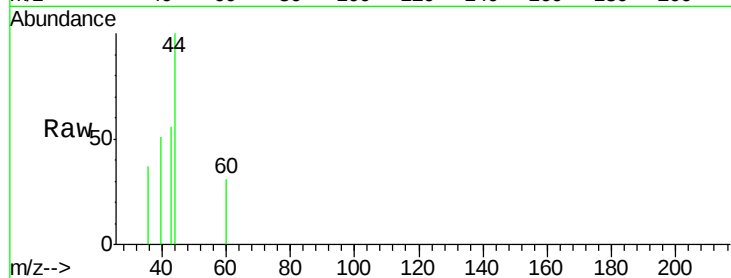
MW-12D

Tot Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#



#62

4-Bromofluorobenzene

Concen: 53.035 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

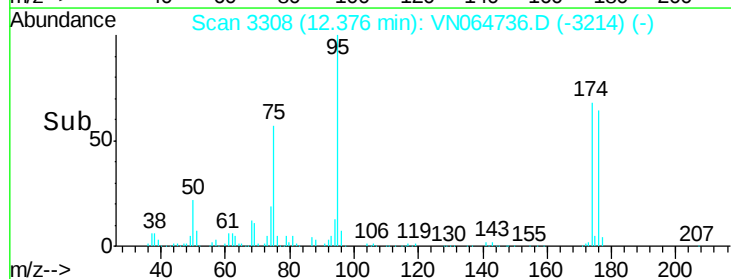
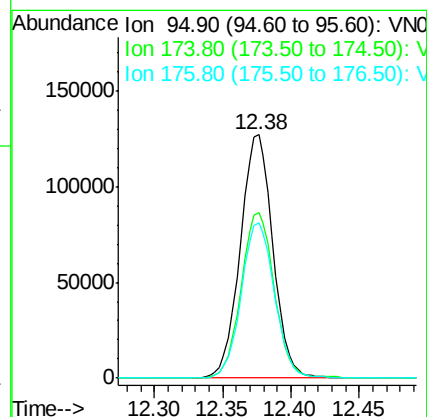
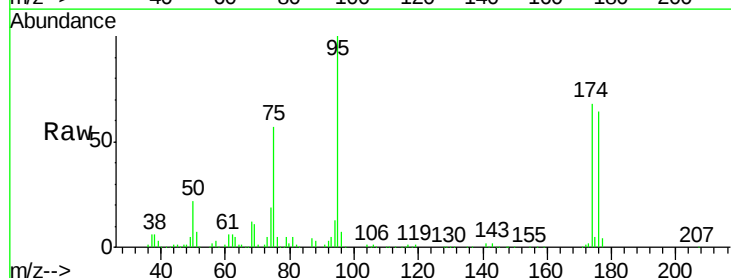
Tgt Ion: 95 Resp: 211140

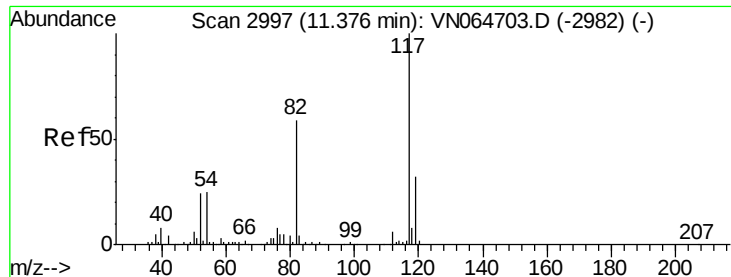
Ion Ratio Lower Upper

95 100

174 69.4 0.0 136.8

176 65.2 0.0 134.2

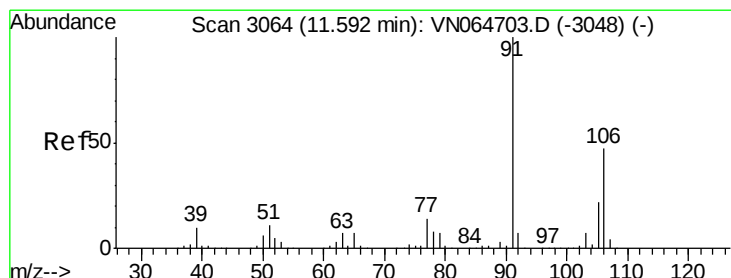
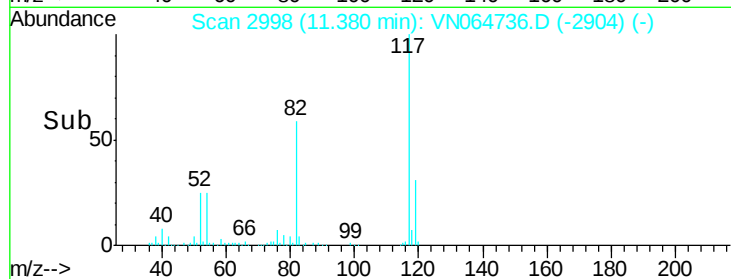
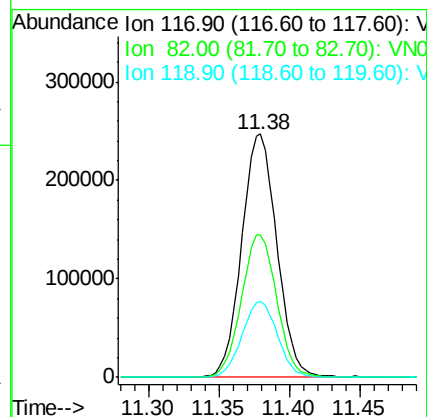
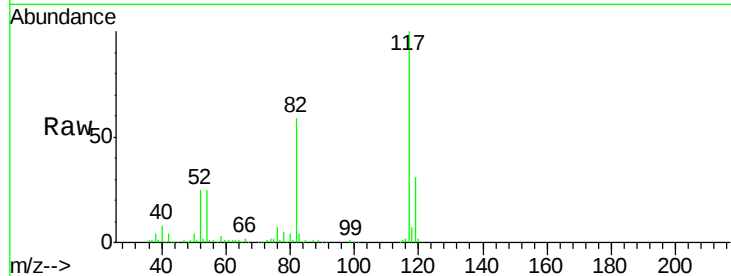




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

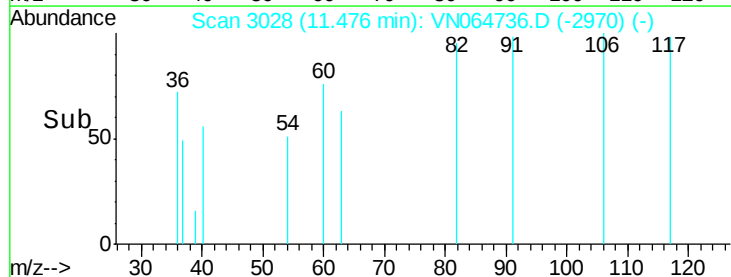
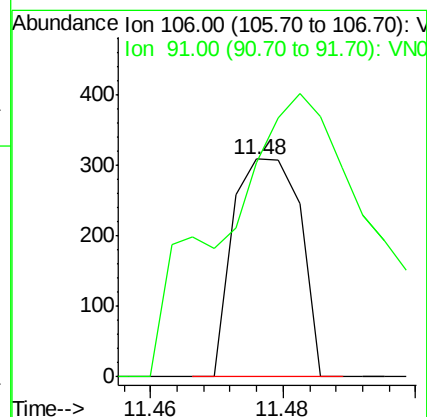
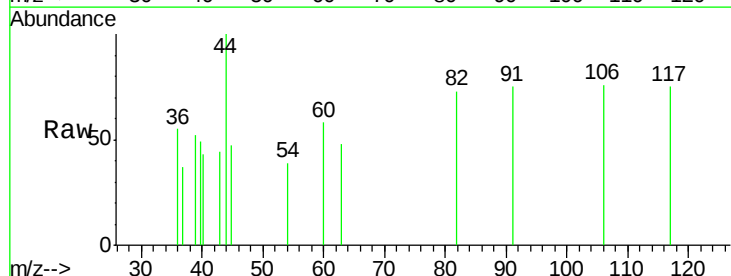
Instrument :
MSVOA_N
ClientSampleId :
MW-12D

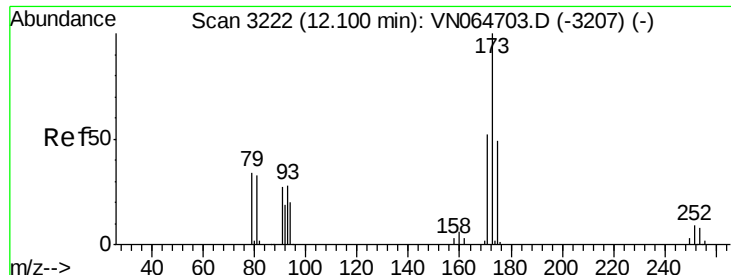
Tot Ion:117 Resp: 432167
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.6
119 31.2 25.4 38.2



#68
m/p-Xylenes
Concen: 4.093 ug/l
RT: 11.48 min Scan# 3028
Delta R.T. -0.11 min
Lab File: VN064736.D
Acq: 19 Nov 2020 16:26

Tgt Ion:106 Resp: 216
Ion Ratio Lower Upper
106 100
91 276.4 171.9 257.9#





#71

Bromoform

Concen: 2.629 ug/l

RT: 12.36 min Scan# 3304

Delta R.T. 0.26 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

MW-12D

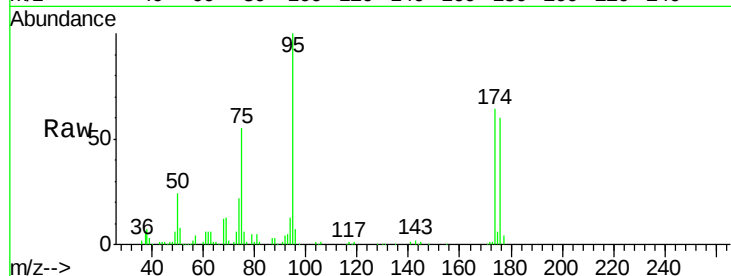
Tot Ion:173 Resp: 511

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

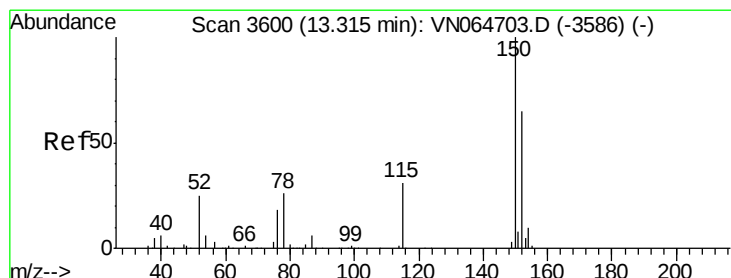
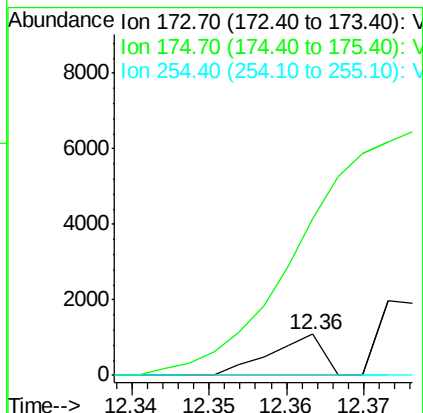
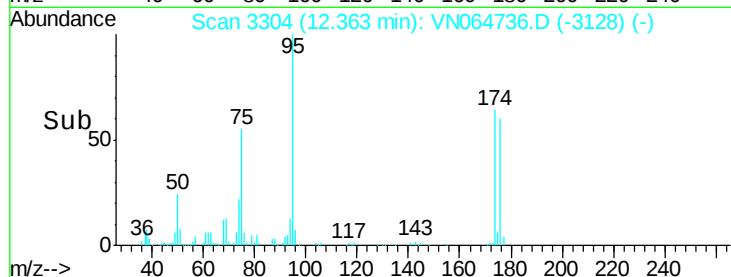
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

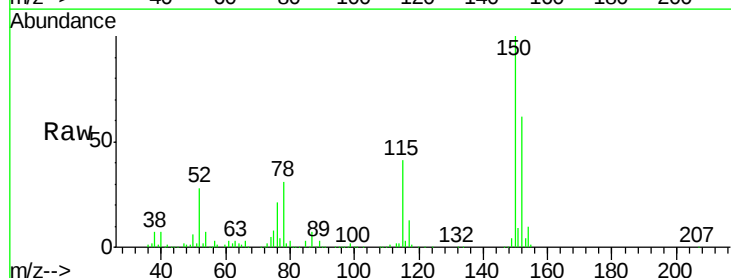
Tgt Ion:152 Resp: 180129

Ion Ratio Lower Upper

152 100

115 66.4 32.1 96.3

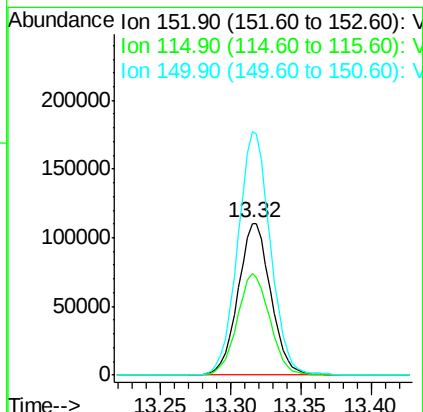
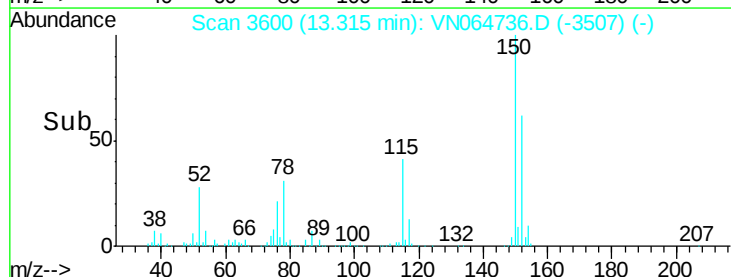
150 159.5 0.0 344.8

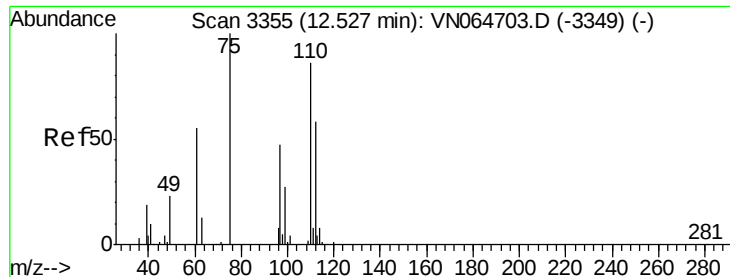


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.472 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

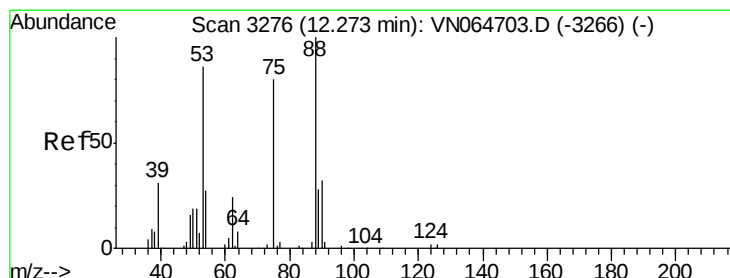
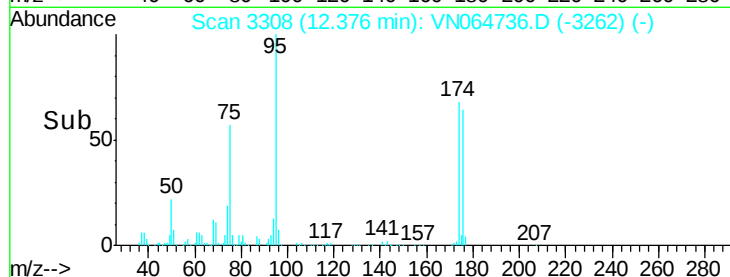
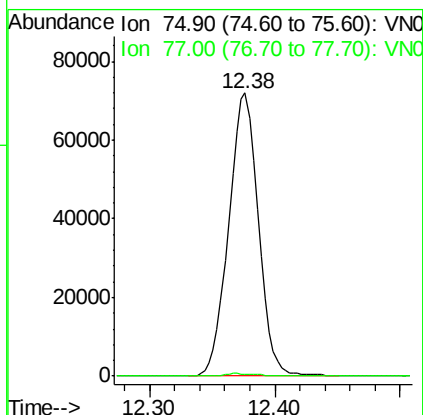
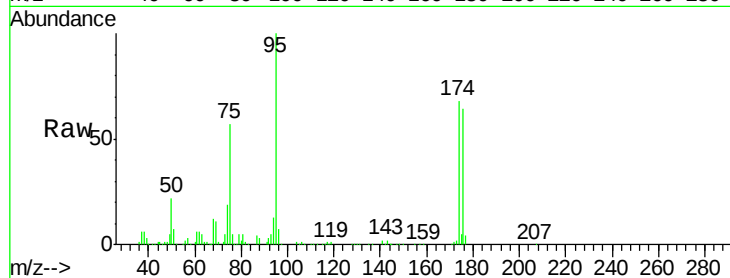
MW-12D

Tot Ion: 75 Resp: 118266

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.654 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064736.D

Acq: 19 Nov 2020 16:26

Tgt Ion: 75 Resp: 118266

Ion Ratio Lower Upper

75 100

53 0.1 88.8 133.2#

89 0.0 43.1 64.7#

