

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061983.D
 Acq On : 20 Jun 2020 7:40
 Operator : JC/MD
 Sample : L3043-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D-20200613

Quant Time: Jun 22 03:31:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	127160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	235344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	229467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80568	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	90053	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
35) Dibromofluoromethane	7.55	113	76876	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.06	98	297956	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.38	95	94401	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

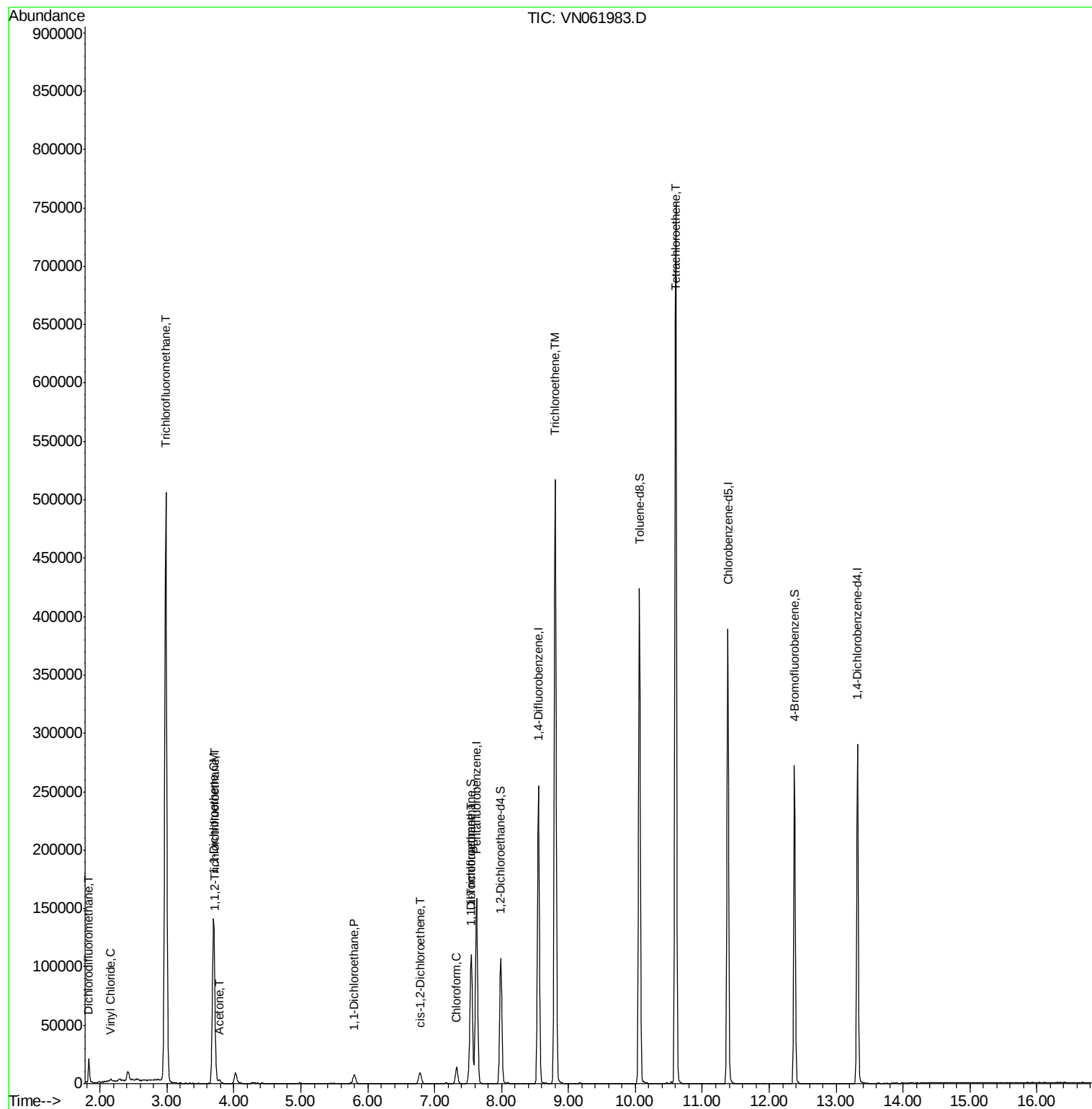
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	15931	9.864	ug/l	99
4) Vinyl Chloride	2.16	62	1143	0.543	ug/l	95
7) Trichlorofluoromethane	2.98	101	489625	194.807	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	4885	3.788	ug/l #	82
12) 1,1-Dichloroethene	3.70	96	73446	56.847	ug/l	97
16) Acetone	3.78	43	3235	6.422	ug/l	93
24) 1,1-Dichloroethane	5.81	63	12527	4.880	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	5952	3.476	ug/l	87
30) Chloroform	7.33	83	15005	5.469	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	19294	8.257	ug/l	98
44) Trichloroethene	8.80	130	193374	112.998	ug/l	99
64) Tetrachloroethene	10.60	164	172500	117.945	ug/l	99

(#) = 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# 1820

Delta R.T. -0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

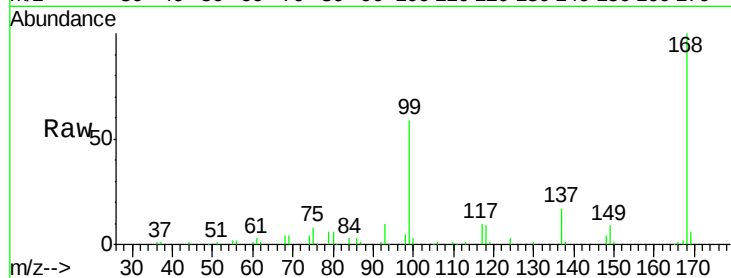
MW201D-20200613

Tot Ion:168 Resp: 127160

Ion Ratio Lower Upper

168 100

99 58.0 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

30000

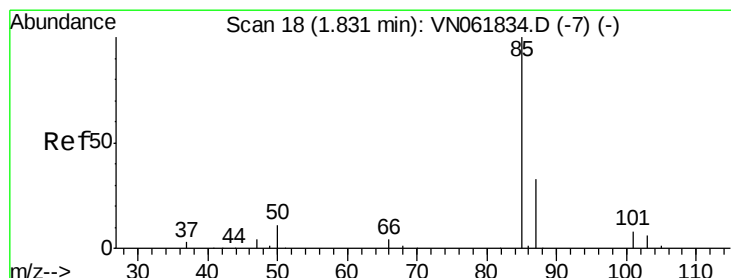
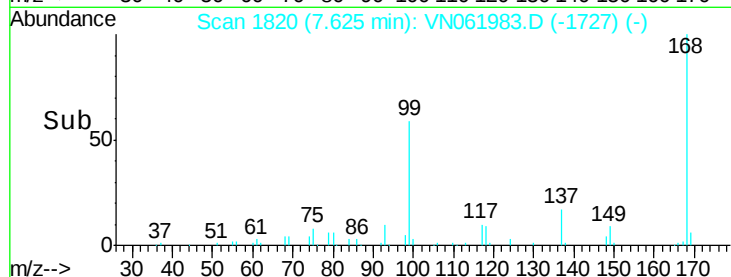
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 9.864 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061983.D

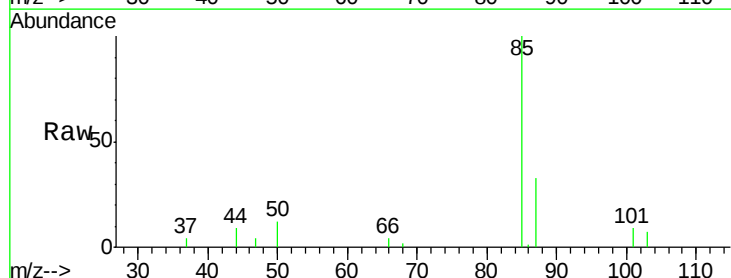
Acq: 20 Jun 2020 7:40

Tgt Ion: 85 Resp: 15931

Ion Ratio Lower Upper

85 100

87 32.5 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

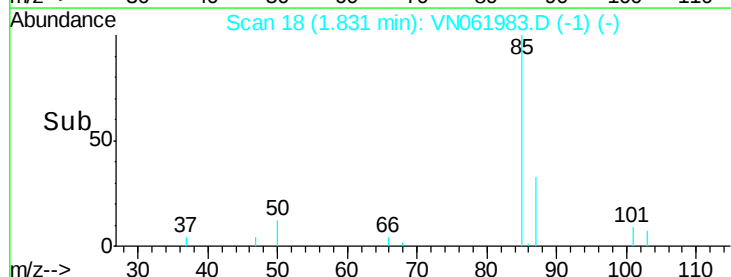
10000

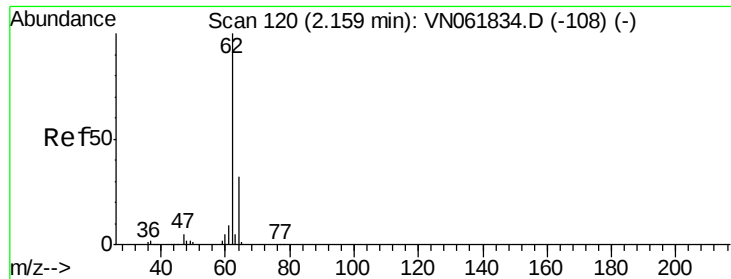
5000

0

1.80 1.85

Time-->





#4

Vinyl Chloride

Concen: 0.543 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

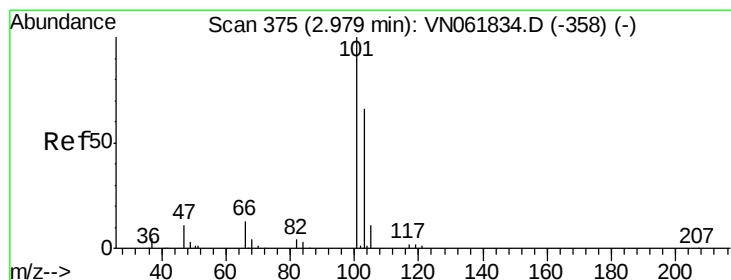
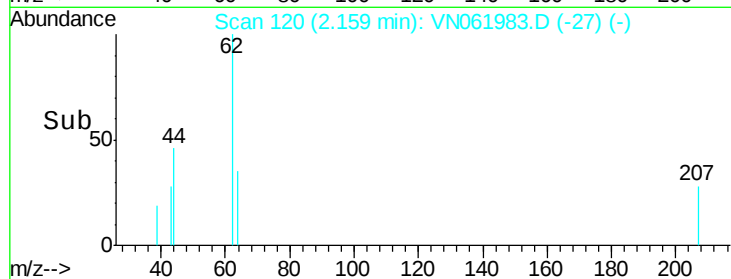
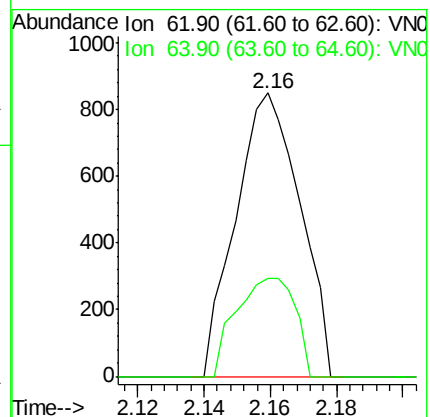
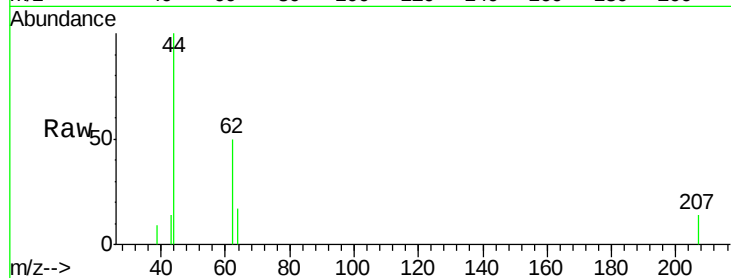
MW201D-20200613

Tot Ion: 62 Resp: 1143

Ion Ratio Lower Upper

62 100

64 34.7 25.5 38.3



#7

Trichlorofluoromethane

Concen: 194.807 ug/l

RT: 2.98 min Scan# 376

Delta R.T. 0.00 min

Lab File: VN061833.D

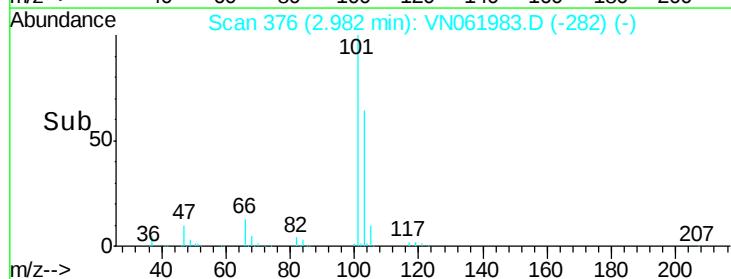
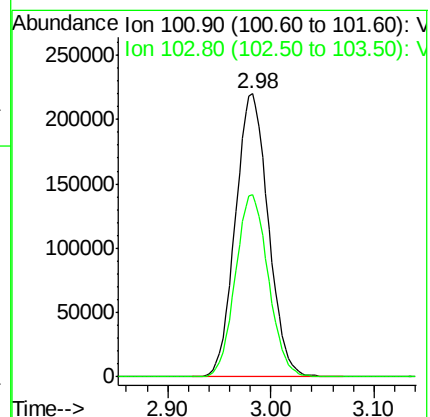
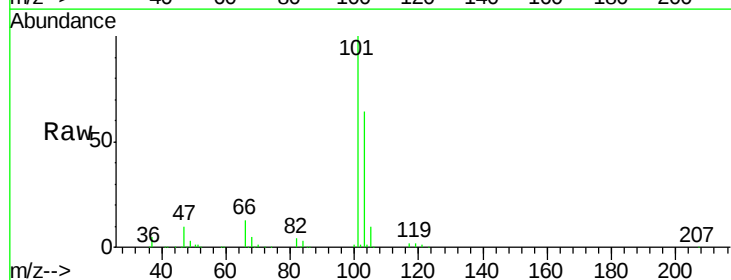
Acq: 20 Jun 2020 7:40

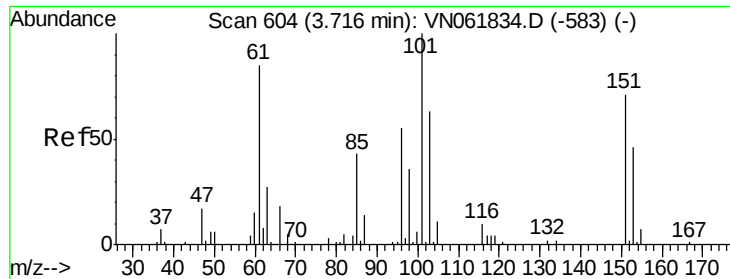
Tgt Ion: 101 Resp: 489625

Ion Ratio Lower Upper

101 100

103 64.2 52.8 79.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.788 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20200613

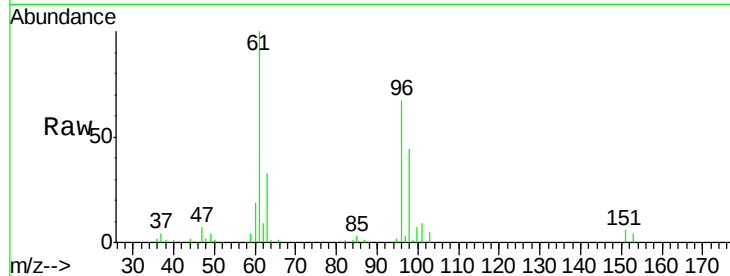
Tot Ion:101 Resp: 4885

Ion Ratio Lower Upper

101 100

85 23.9 35.0 52.6#

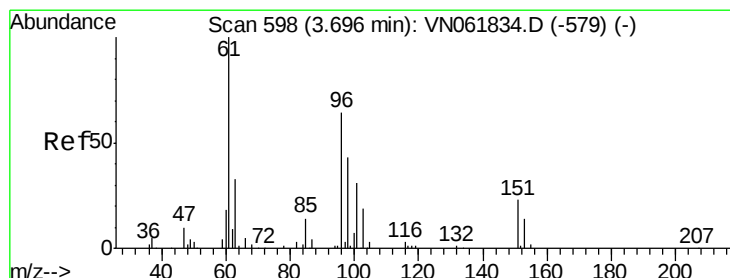
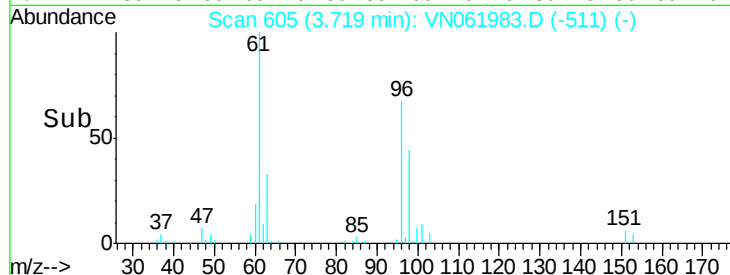
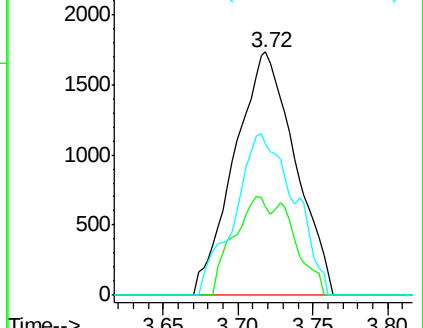
151 65.5 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 56.847 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

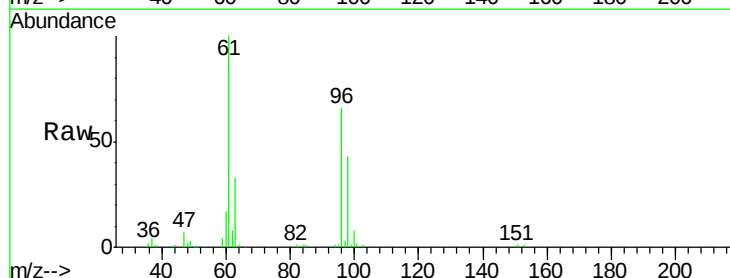
Tgt Ion: 96 Resp: 73446

Ion Ratio Lower Upper

96 100

61 150.9 124.3 186.5

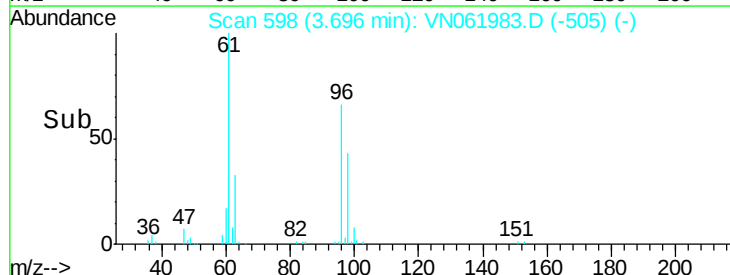
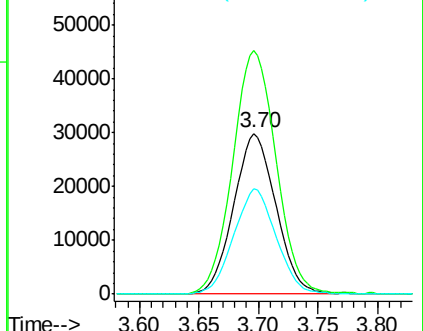
98 65.5 53.1 79.7

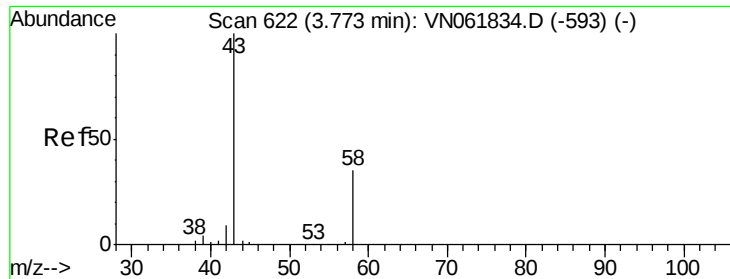


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#16

Acetone

Concen: 6.422 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

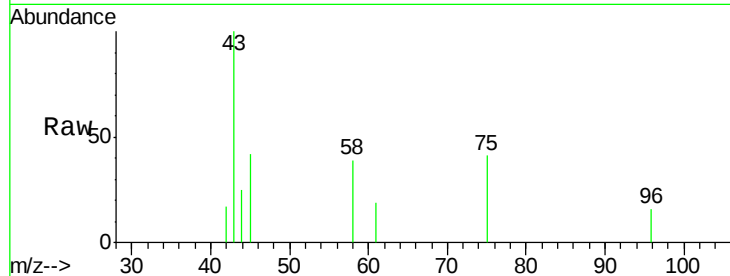
MW201D-20200613

Tot Ion: 43 Resp: 3235

Ion Ratio Lower Upper

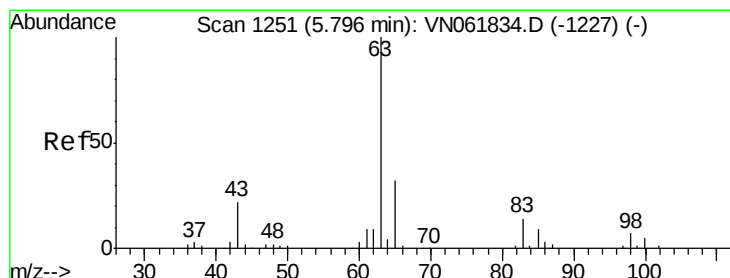
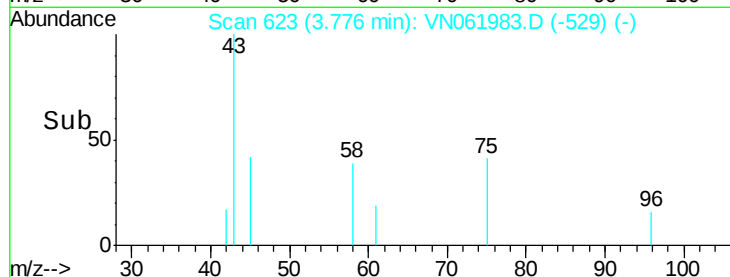
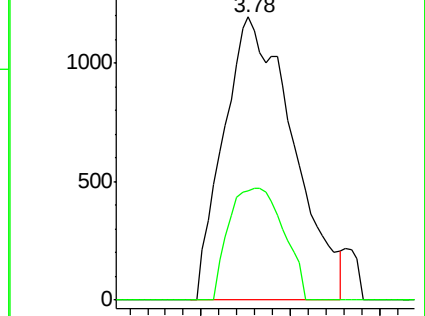
43 100

58 38.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#24

1,1-Dichloroethane

Concen: 4.880 ug/l

RT: 5.81 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

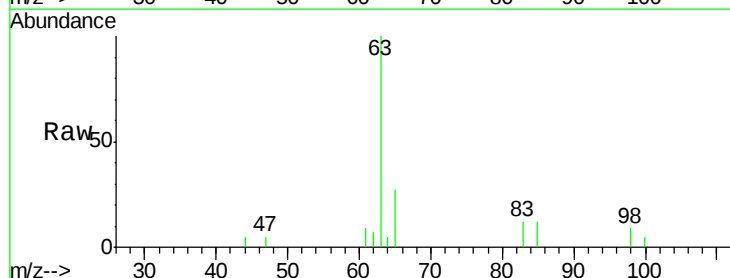
Tgt Ion: 63 Resp: 12527

Ion Ratio Lower Upper

63 100

98 9.3 3.5 10.4

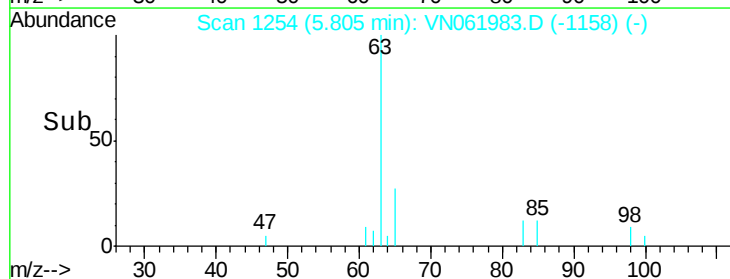
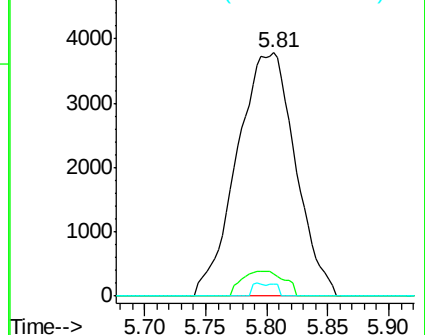
100 5.2 2.5 7.4

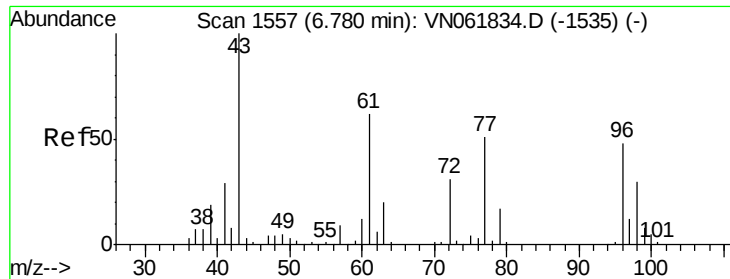


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 3.476 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061834.D

Acq: 20 Jun 2020 7:40

Instrument :

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ClientSampleId :

MW201D-20200613

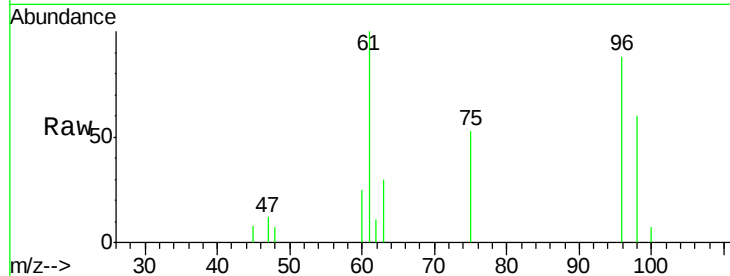
Tot Ion: 96 Resp: 5952

Ion Ratio Lower Upper

96 100

61 112.8 0.0 265.6

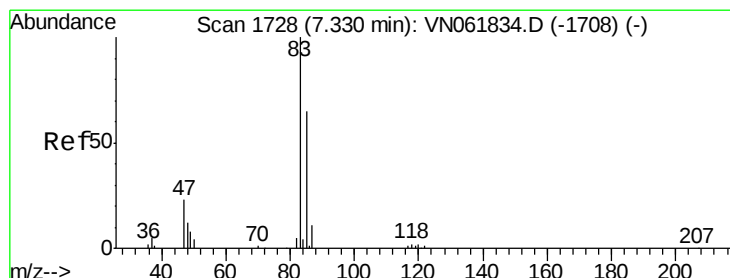
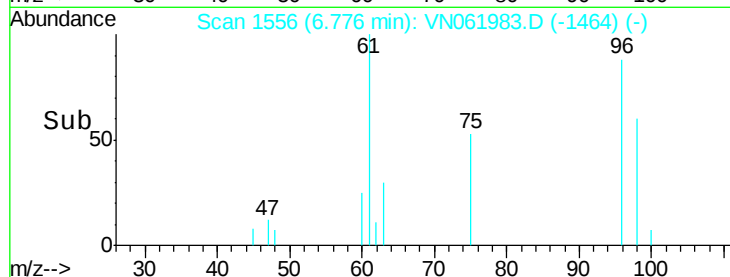
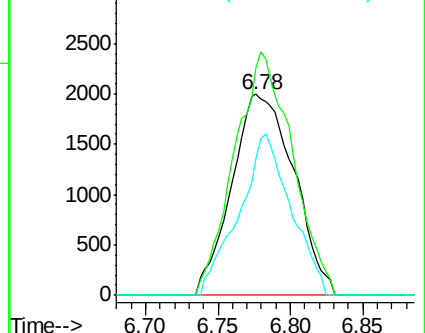
98 67.1 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#30

Chloroform

Concen: 5.469 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN061834.D

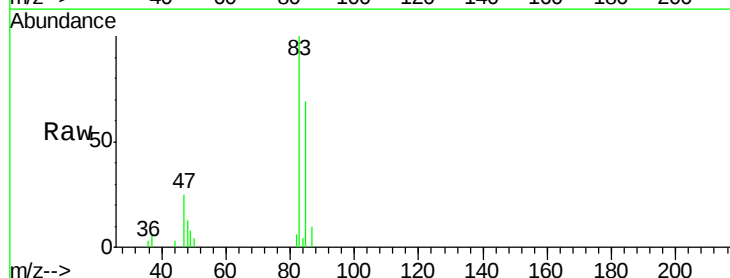
Acq: 20 Jun 2020 7:40

Tgt Ion: 83 Resp: 15005

Ion Ratio Lower Upper

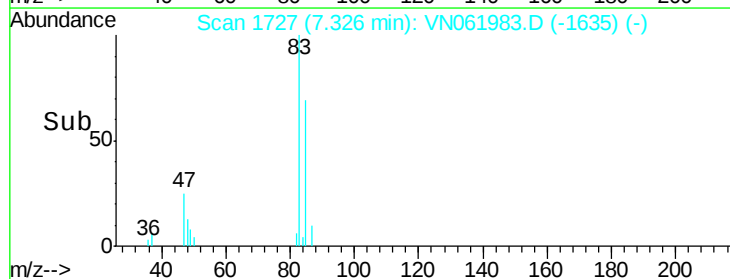
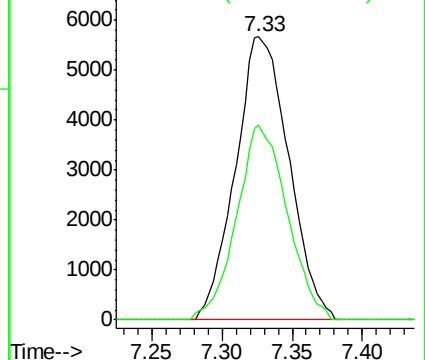
83 100

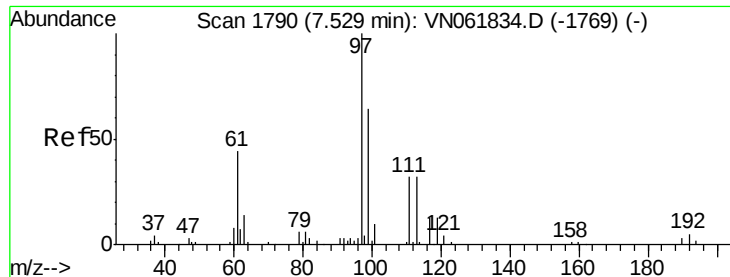
85 68.7 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

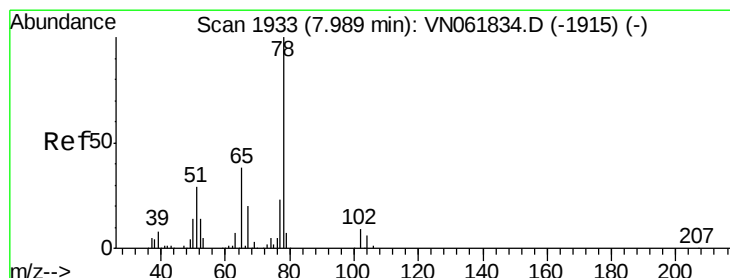
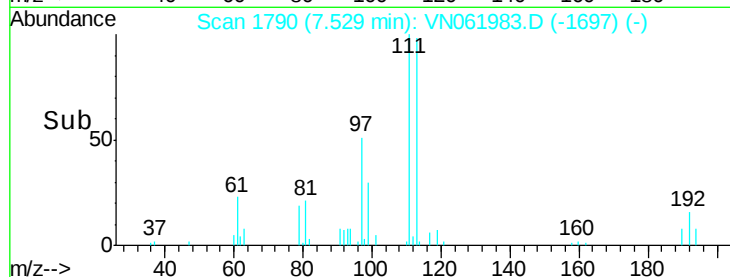
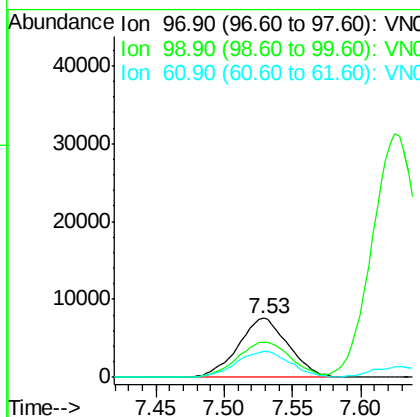
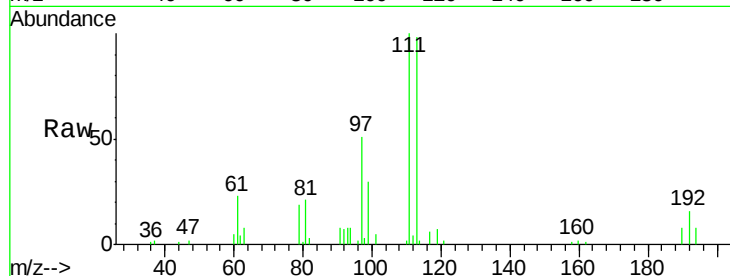




#32
 1,1,1-Trichloroethane
 Concen: 8.257 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN061834.D
 Acq: 20 Jun 2020 7:40

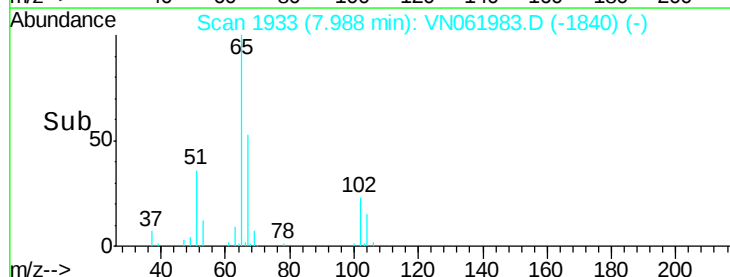
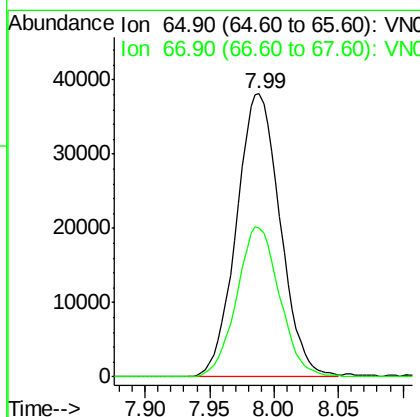
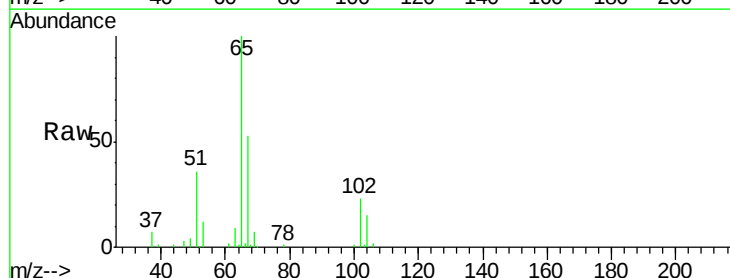
Instrument :
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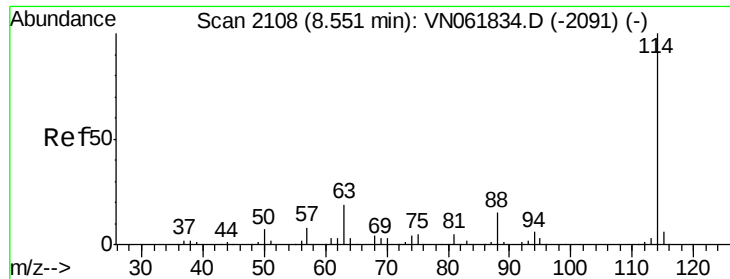
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	47.2	35.1	52.7



#33
 1,2-Dichloroethane-d4
 Concen: 52.805 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061834.D
 Acq: 20 Jun 2020 7:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.2

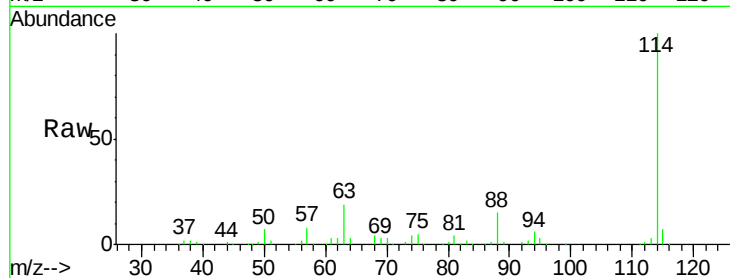




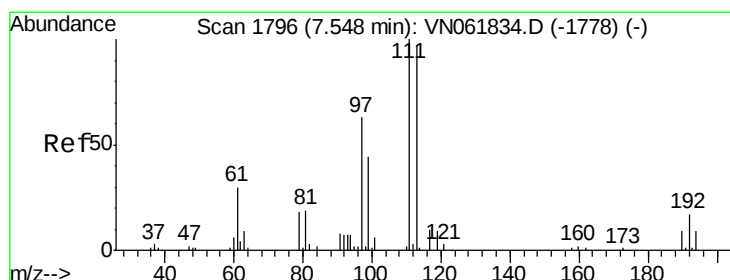
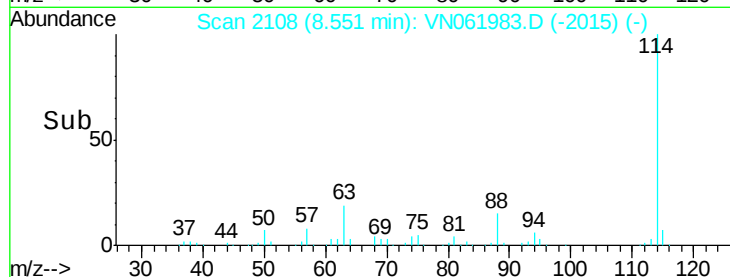
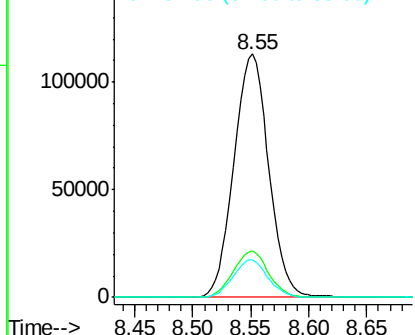
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061834.D
 Acq: 20 Jun 2020 7:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D-20200613

Tot Ion:114 Resp: 235344
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 15.4 0.0 31.0

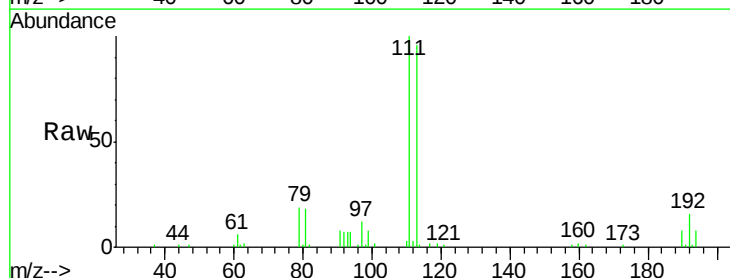


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

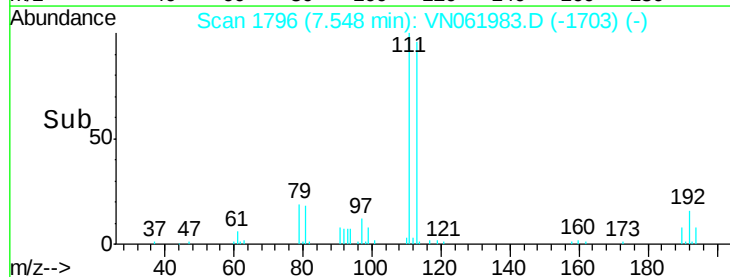
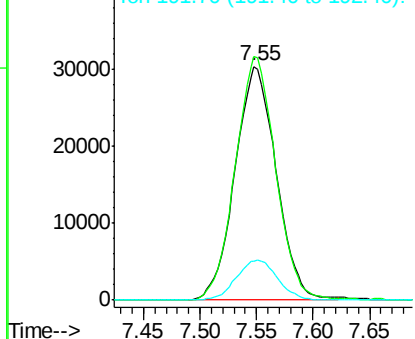


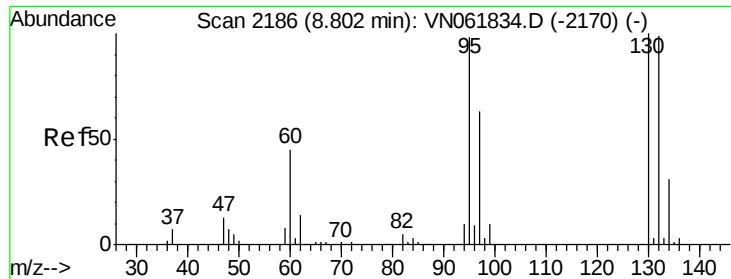
#35
 Dibromofluoromethane
 Concen: 51.060 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061834.D
 Acq: 20 Jun 2020 7:40

Tgt Ion:113 Resp: 76876
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.7 125.5
 192 17.0 13.9 20.9



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





#44

Trichloroethene

Concen: 112.998 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

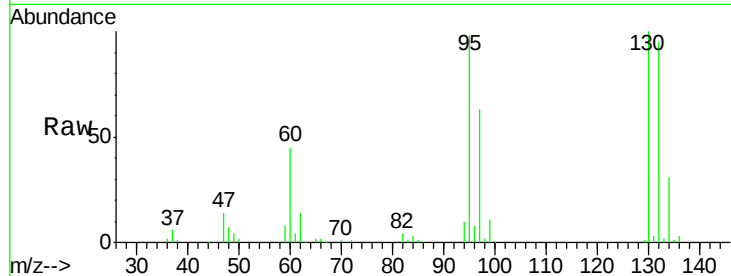
MW201D-20200613

Tot Ion:130 Resp: 193374

Ion Ratio Lower Upper

130 100

95 98.4 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

100000

80000

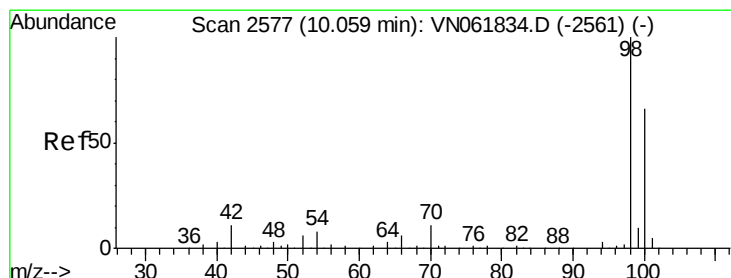
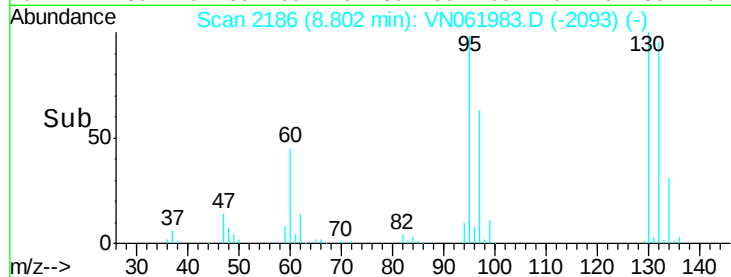
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 50.338 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061983.D

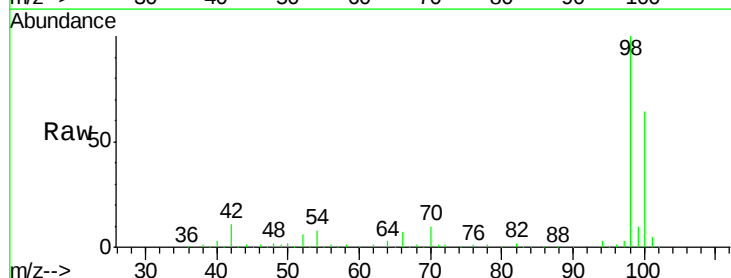
Acq: 20 Jun 2020 7:40

Tgt Ion: 98 Resp: 297956

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.06

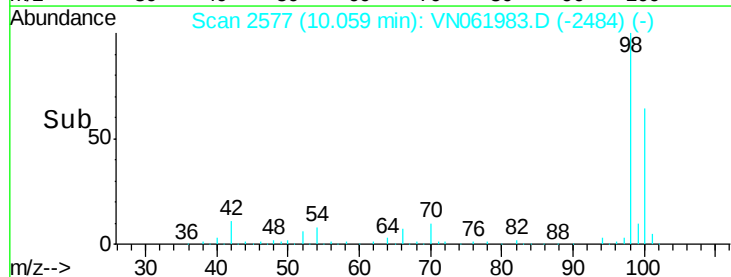
150000

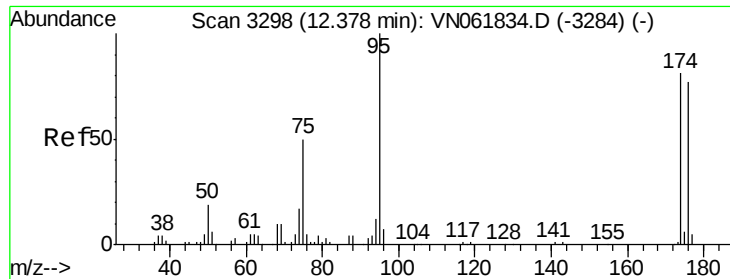
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.495 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20200613

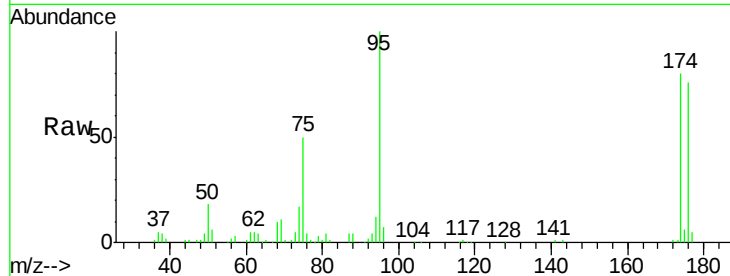
Tot Ion: 95 Resp: 94401

Ion Ratio Lower Upper

95 100

174 79.1 0.0 158.6

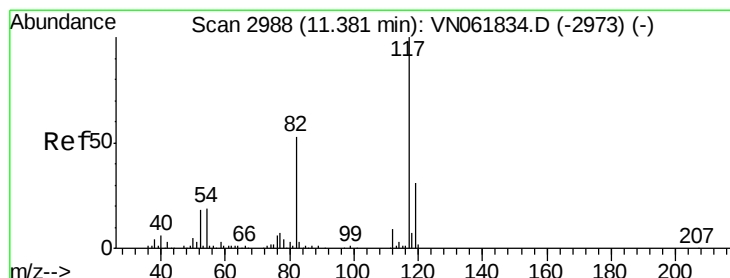
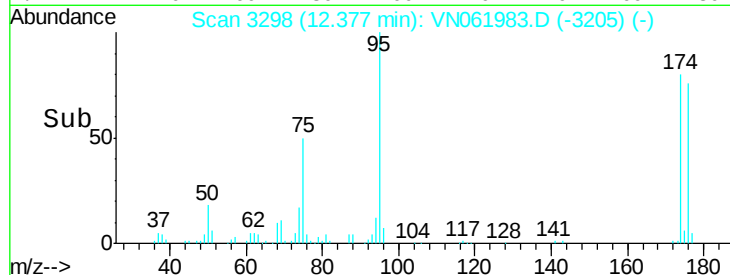
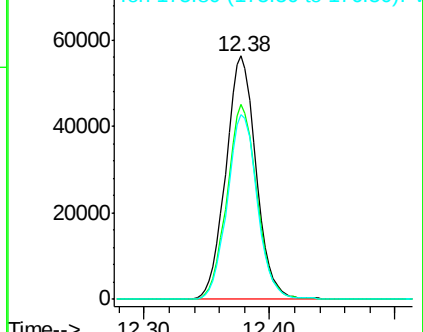
176 75.3 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

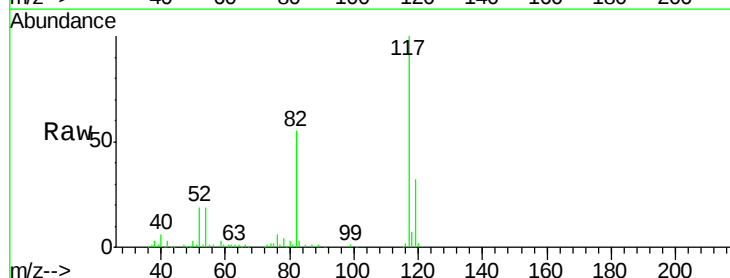
Tgt Ion: 117 Resp: 229467

Ion Ratio Lower Upper

117 100

82 54.8 42.6 64.0

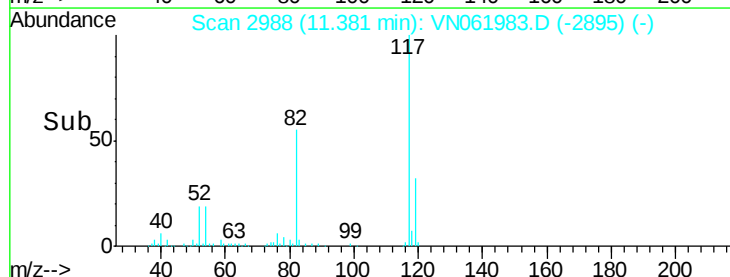
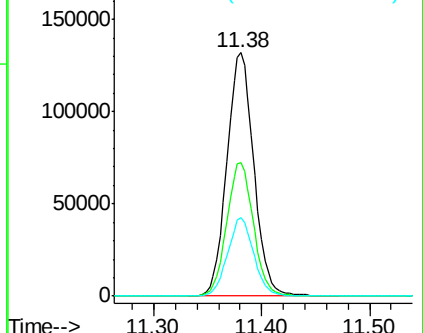
119 32.1 24.7 37.1

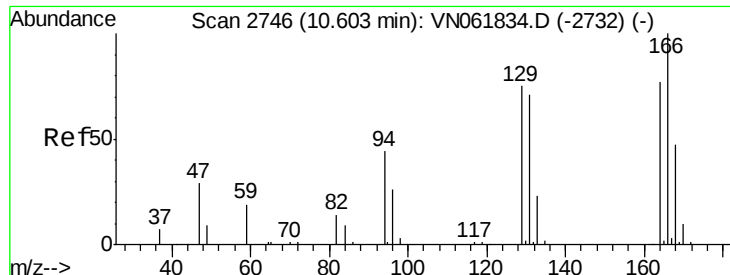


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#64

Tetrachloroethene

Concen: 117.945 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

Instrument :

MSVOA_N

ClientSampleId :

MW201D-20200613

Tot Ion:164 Resp: 172500

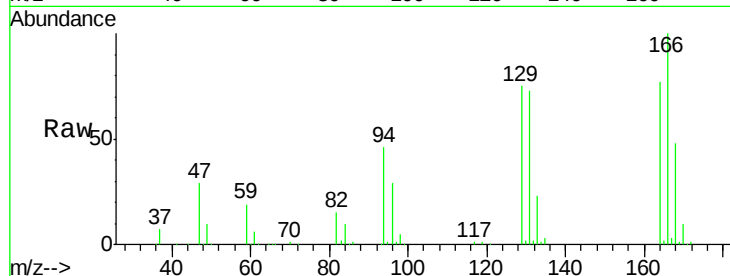
Ion Ratio Lower Upper

164 100

166 129.6 103.5 155.3

129 97.6 77.5 116.3

131 95.0 73.8 110.8

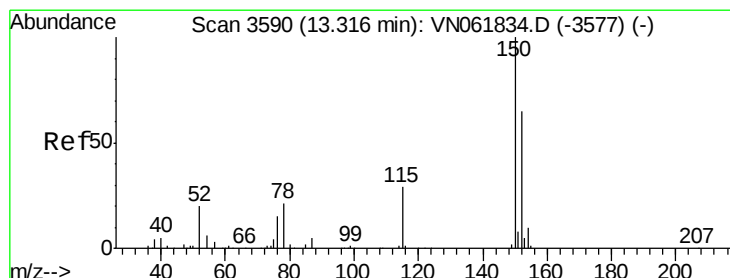
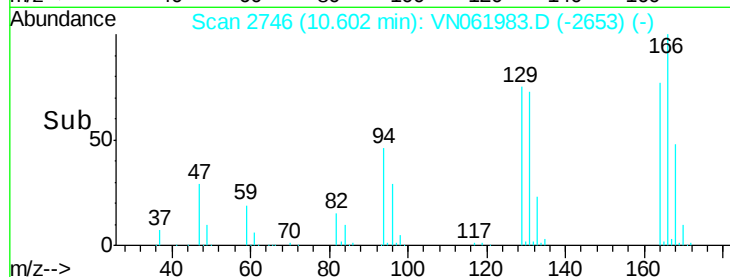
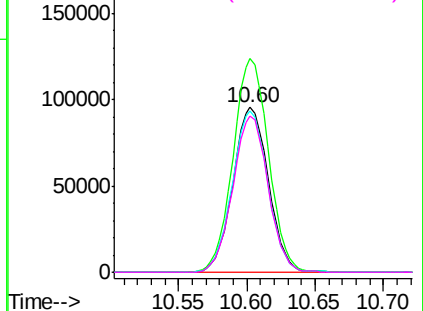


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061983.D

Acq: 20 Jun 2020 7:40

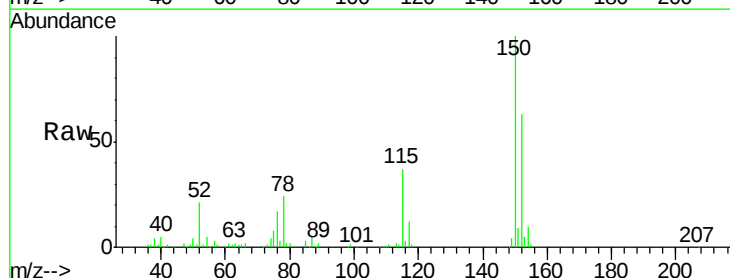
Tgt Ion:152 Resp: 80568

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.3

150 157.4 0.0 347.6



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

