

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061982.D
 Acq On : 20 Jun 2020 7:16
 Operator : JC/MD
 Sample : L3043-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D-20200613

Quant Time: Jun 23 12:06:11 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

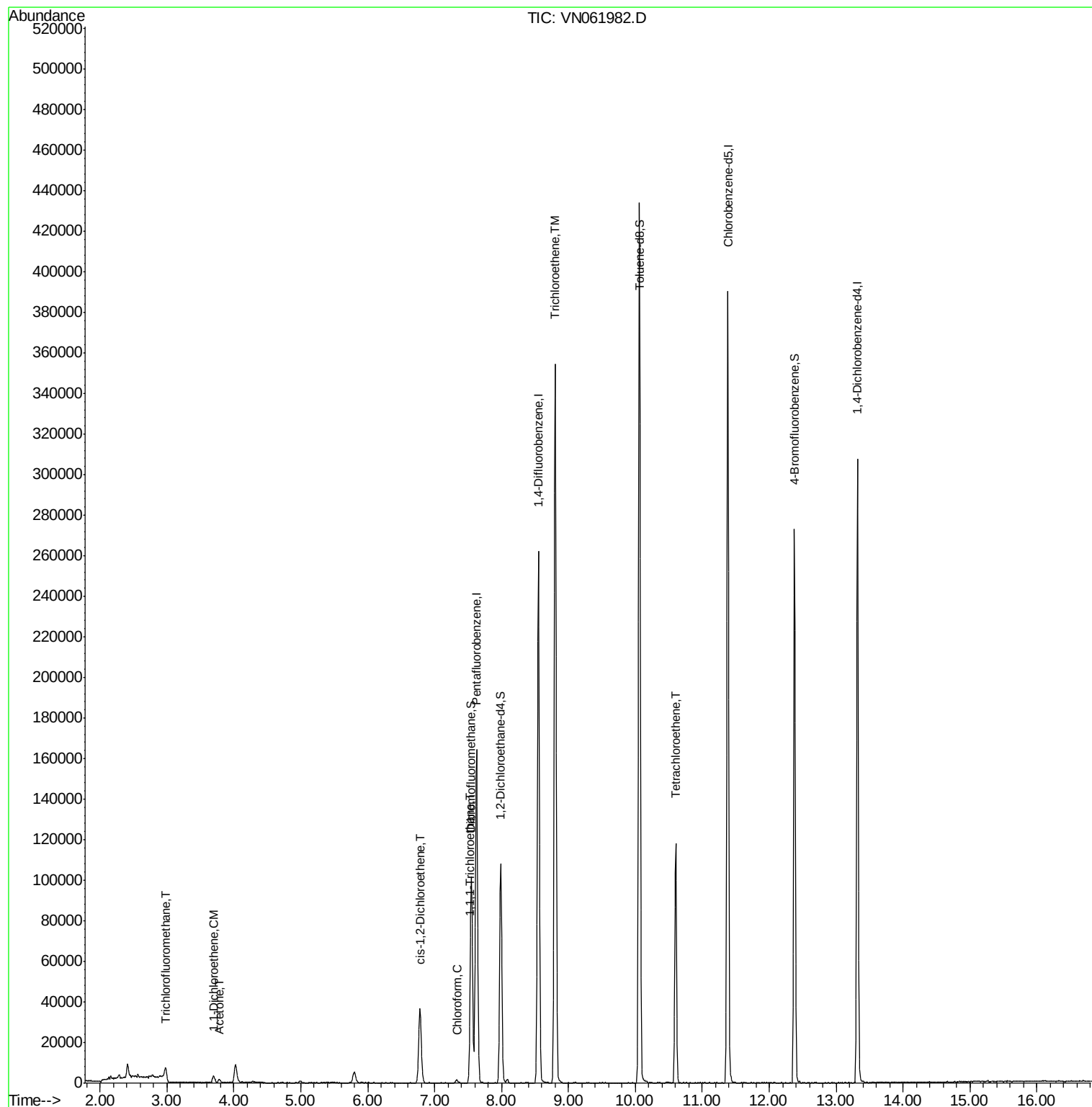
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	130814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	231305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83430	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	91605	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.55	113	78758	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.06	98	308025	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.38	95	97144	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
Target Compounds						
7) Trichlorofluoromethane	2.98	101	6118	2.366	ug/l	100
12) 1,1-Dichloroethene	3.70	96	2146	1.615	ug/l #	76
16) Acetone	3.78	43	2791	5.386	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	24505	13.911	ug/l	89
30) Chloroform	7.33	83	1845	0.654	ug/l	87
32) 1,1,1-Trichloroethane	7.52	97	1015	0.422	ug/l #	51
44) Trichloroethene	8.80	130	133595	75.730	ug/l	97
64) Tetrachloroethene	10.60	164	26828	18.198	ug/l	99

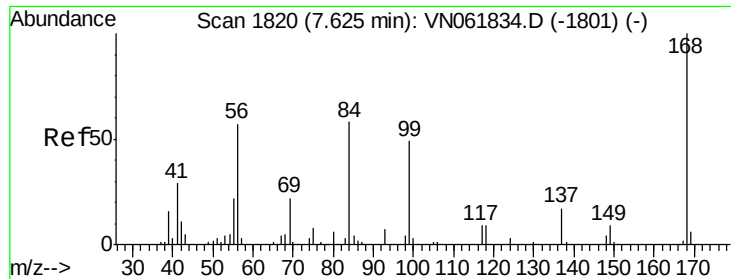
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061982.D

Acq: 20 Jun 2020 7:16

Instrument :

MSVOA_N

ClientSampleId :

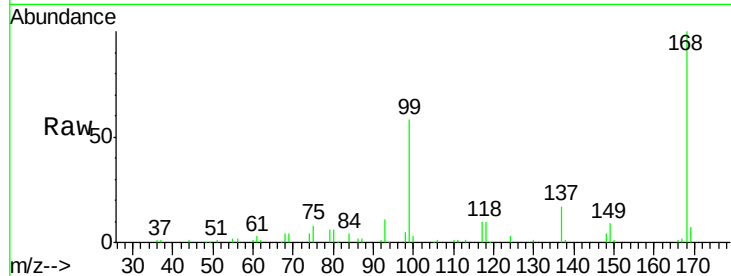
MW202D-20200613

Tot Ion:168 Resp: 130814

Ion Ratio Lower Upper

168 100

99 58.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

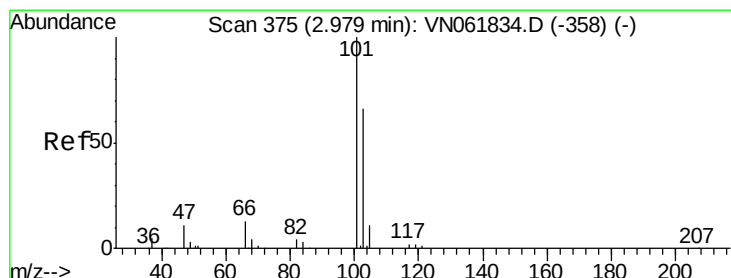
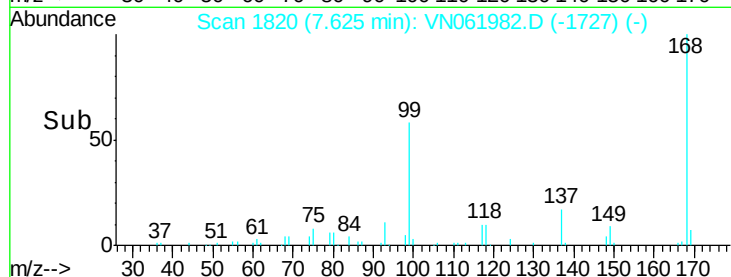
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#7

Trichlorofluoromethane

Concen: 2.366 ug/l

RT: 2.98 min Scan# 375

Delta R.T. 0.00 min

Lab File: VN061982.D

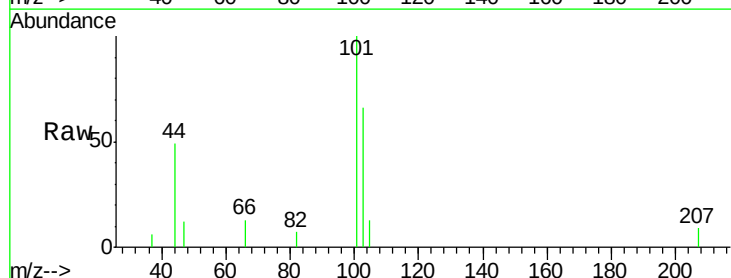
Acq: 20 Jun 2020 7:16

Tgt Ion:101 Resp: 6118

Ion Ratio Lower Upper

101 100

103 65.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.98

3000

2500

2000

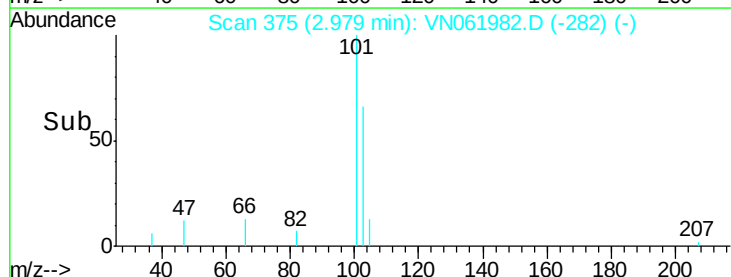
1500

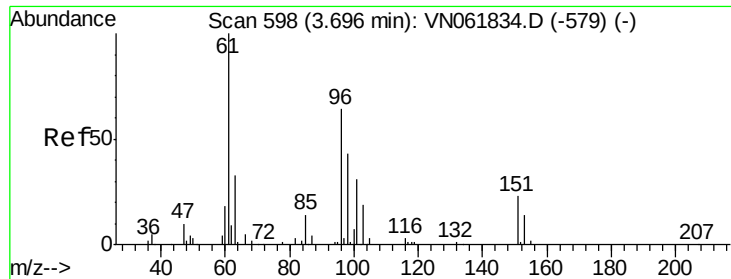
1000

500

0

Time--> 2.90 2.95 3.00 3.05





#12

1,1-Dichloroethene

Concen: 1.615 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN061982.D

Acq: 20 Jun 2020 7:16

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20200613

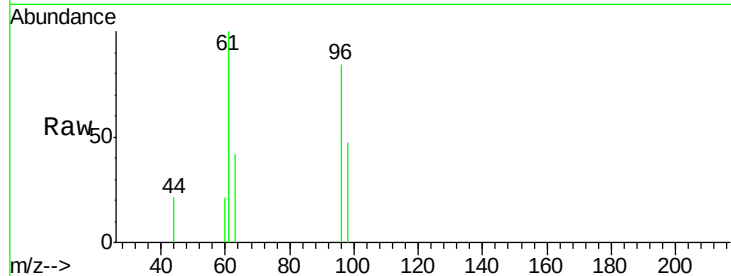
Tot Ion: 96 Resp: 2146

Ion Ratio Lower Upper

96 100

61 118.6 124.3 186.5#

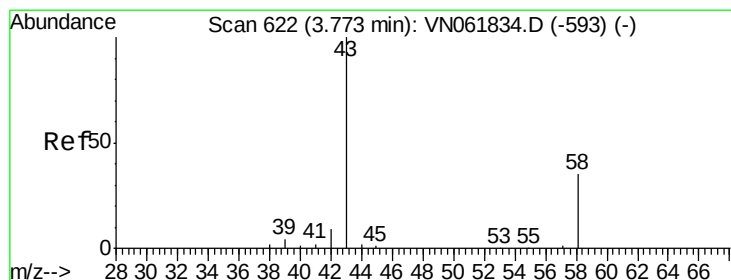
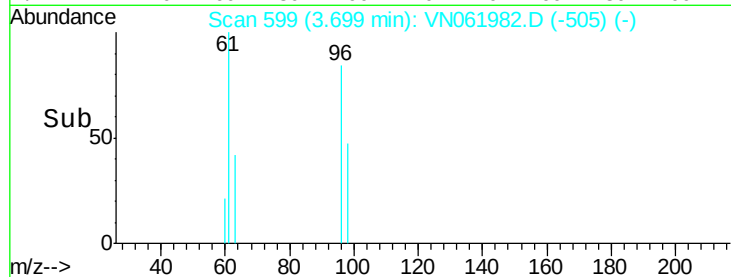
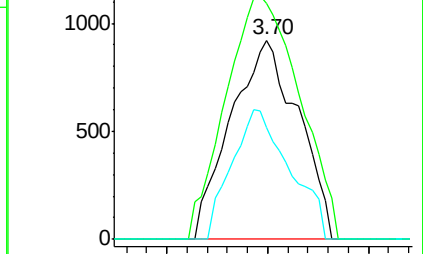
98 56.1 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-579) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-579) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-579) (-)



#16

Acetone

Concen: 5.386 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061982.D

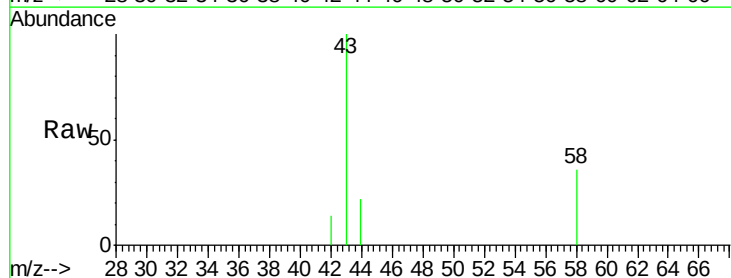
Acq: 20 Jun 2020 7:16

Tgt Ion: 43 Resp: 2791

Ion Ratio Lower Upper

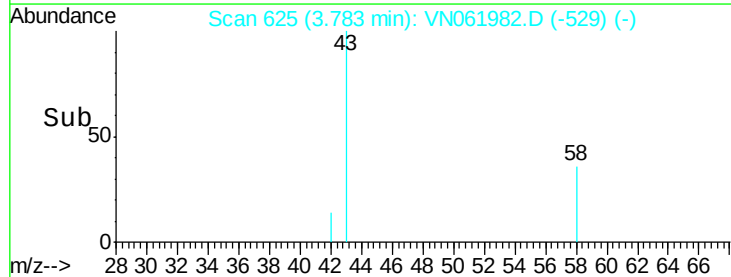
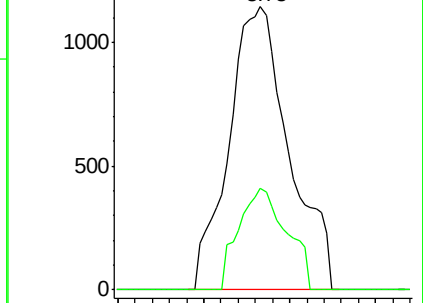
43 100

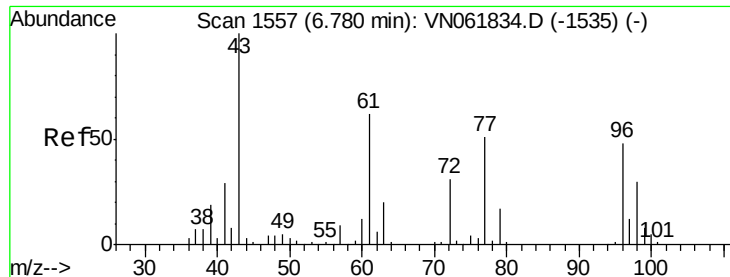
58 35.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061982.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061982.D (-529) (-)





#27

cis-1,2-Dichloroethene

Concen: 13.911 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061982.D

Acq: 20 Jun 2020 7:16

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20200613

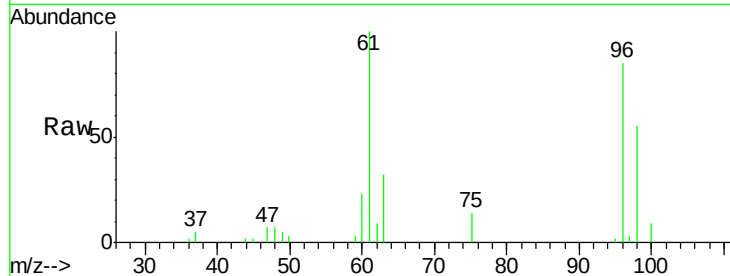
Tot Ion: 96 Resp: 24505

Ion Ratio Lower Upper

96 100

61 114.5 0.0 265.6

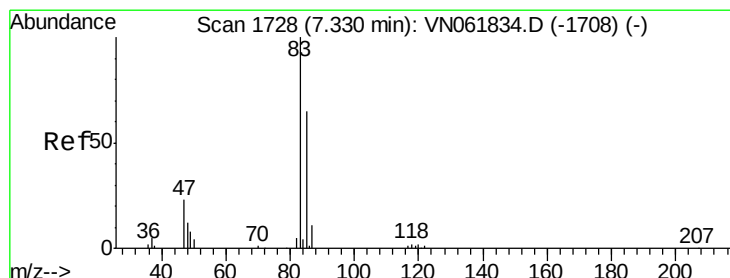
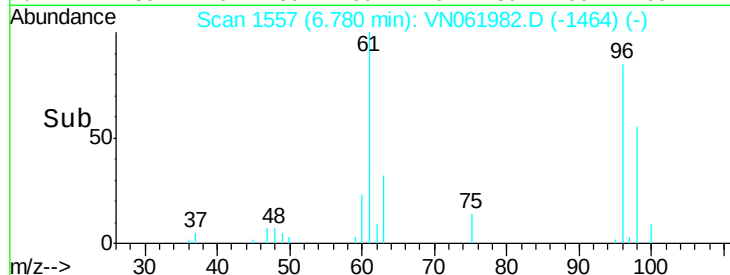
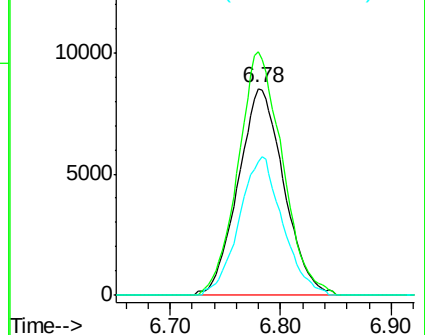
98 63.7 0.0 128.2



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: 0.654 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN061982.D

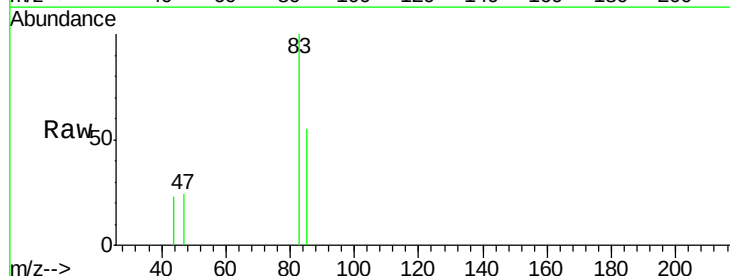
Acq: 20 Jun 2020 7:16

Tgt Ion: 83 Resp: 1845

Ion Ratio Lower Upper

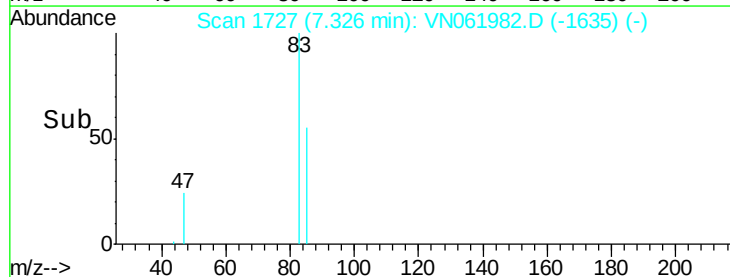
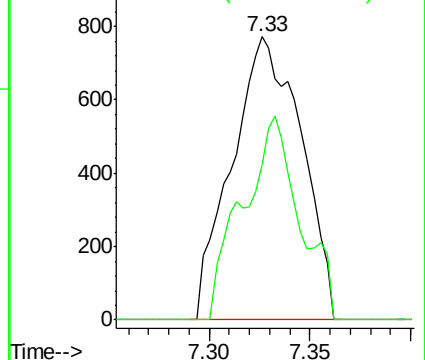
83 100

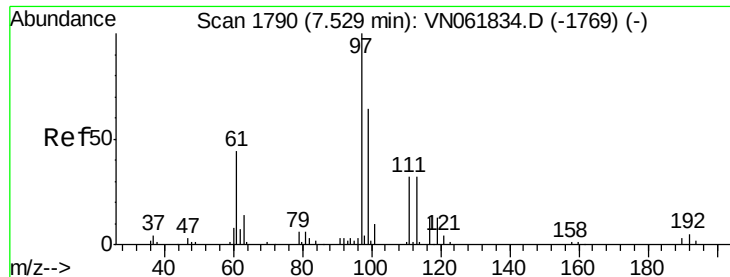
85 54.7 52.0 78.0



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: 0.422 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061982.D

Acq: 20 Jun 2020 7:16

Instrument :

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ClientSampleId :

MW202D-20200613

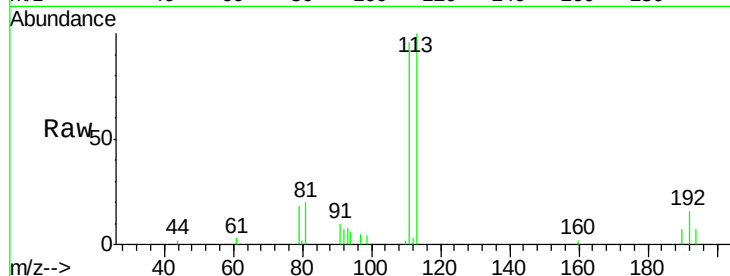
Tot Ion: 97 Resp: 1015

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

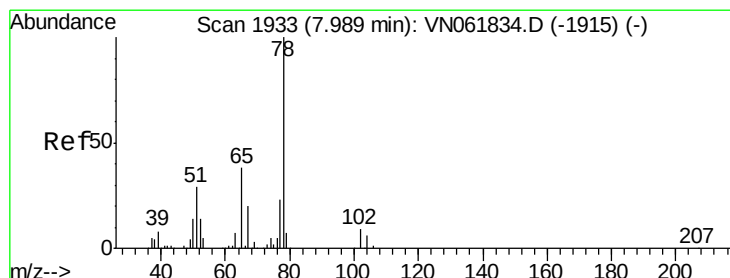
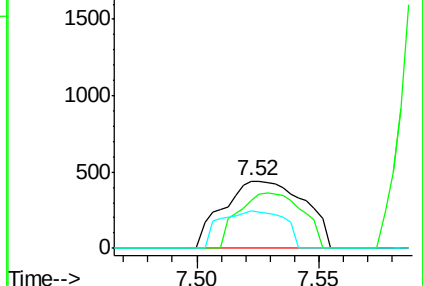
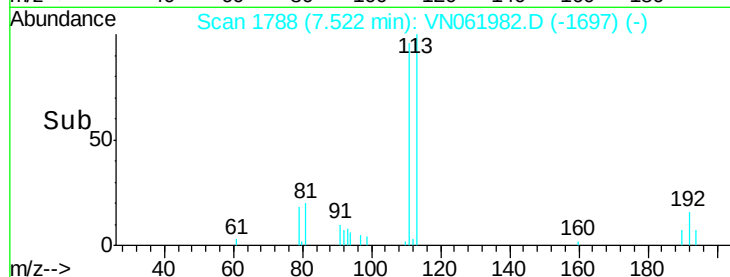
61 44.4 35.1 52.7



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.214 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061982.D

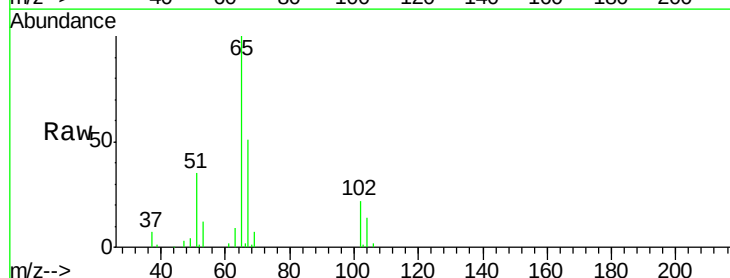
Acq: 20 Jun 2020 7:16

Tgt Ion: 65 Resp: 91605

Ion Ratio Lower Upper

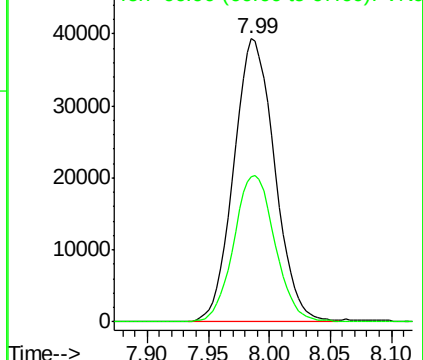
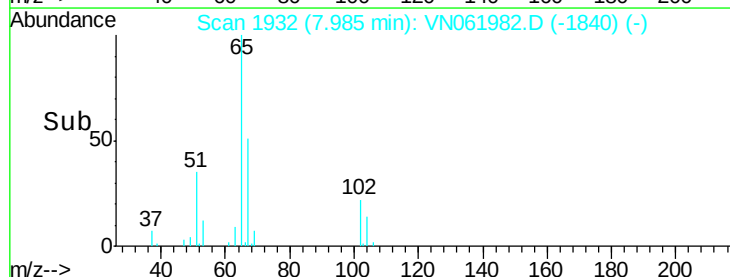
65 100

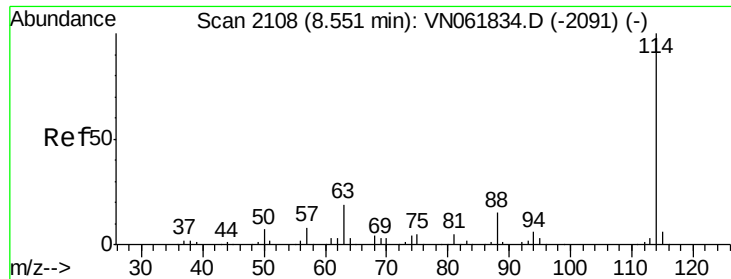
67 51.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

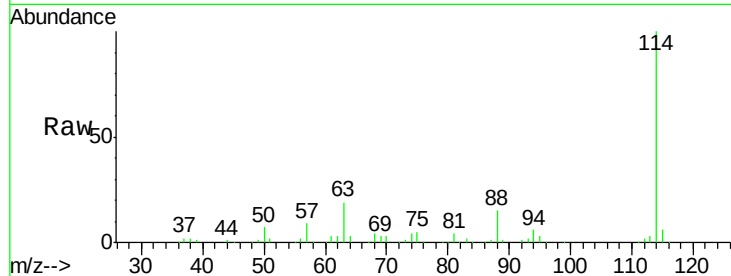




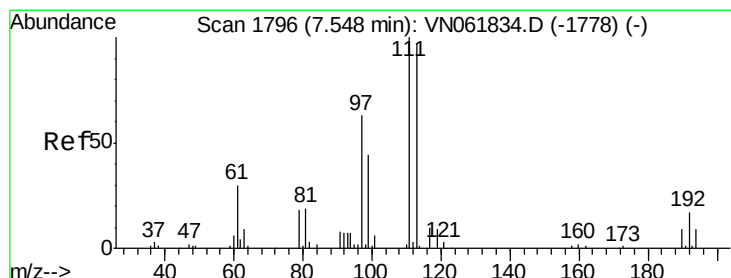
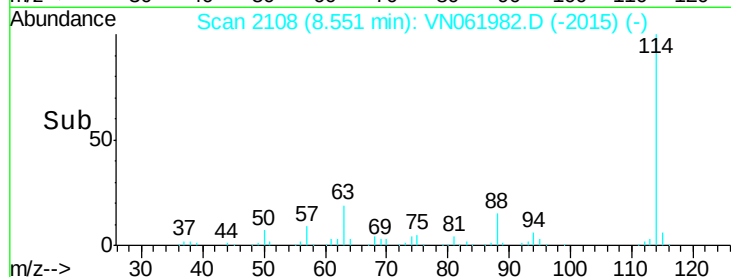
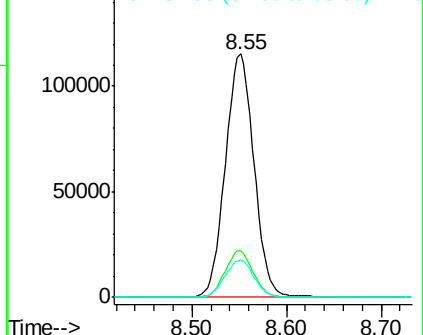
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061982.D
Acq: 20 Jun 2020 7:16

Instrument :
MSVOA_N
ClientSampleId :
MW202D-20200613

Tot Ion:114 Resp: 242604
Ion Ratio Lower Upper
114 100
63 19.2 0.0 37.6
88 15.4 0.0 31.0

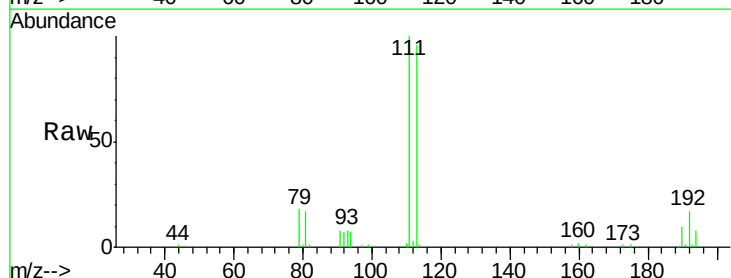


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

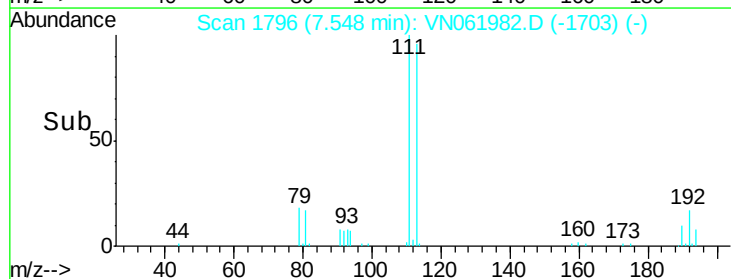
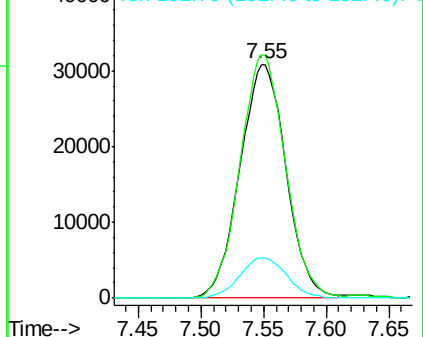


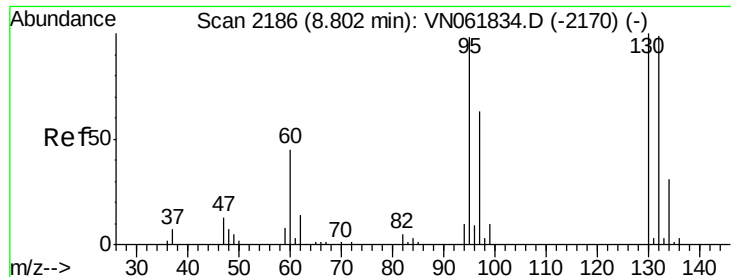
#35
Dibromofluoromethane
Concen: 50.744 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061982.D
Acq: 20 Jun 2020 7:16

Tgt Ion:113 Resp: 78758
Ion Ratio Lower Upper
113 100
111 103.0 83.7 125.5
192 17.5 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: 75.730 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061982.D

Acq: 20 Jun 2020 7:16

Instrument :

MSVOA_N

ClientSampleId :

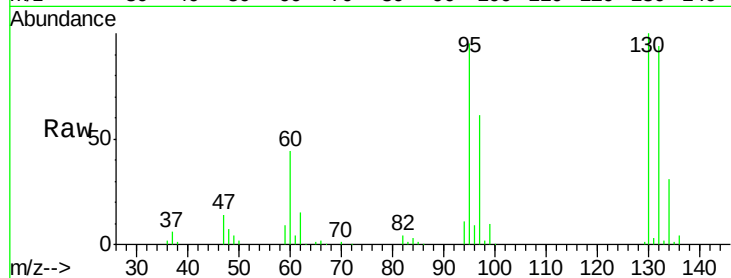
MW202D-20200613

Tot Ion:130 Resp: 133595

Ion Ratio Lower Upper

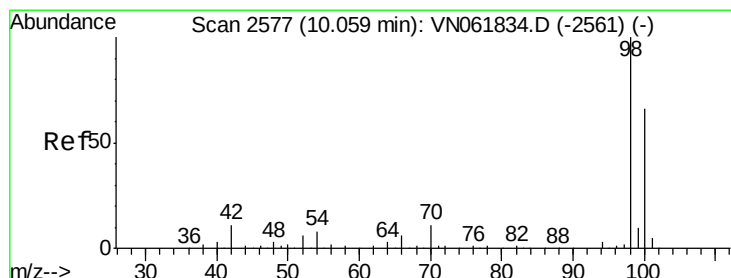
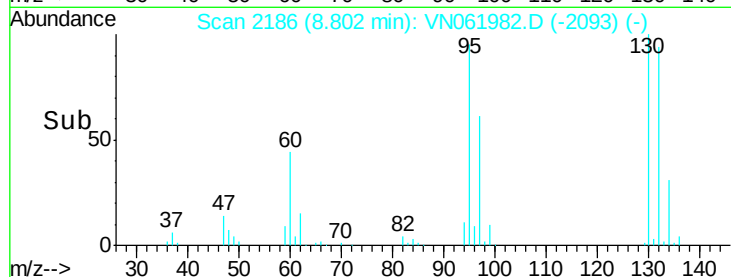
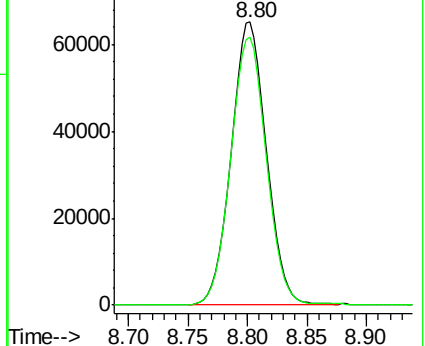
130 100

95 94.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061982.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061982.D (-2093) (-)



#50

Toluene-d8

Concen: 50.481 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061982.D

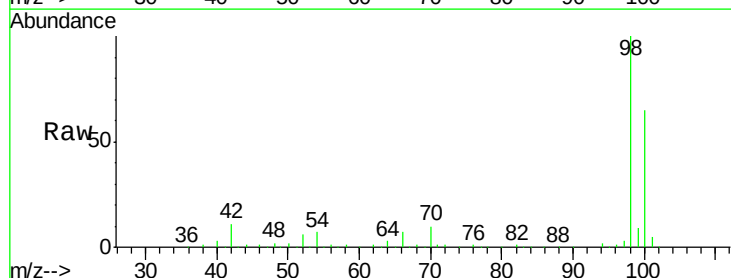
Acq: 20 Jun 2020 7:16

Tgt Ion: 98 Resp: 308025

Ion Ratio Lower Upper

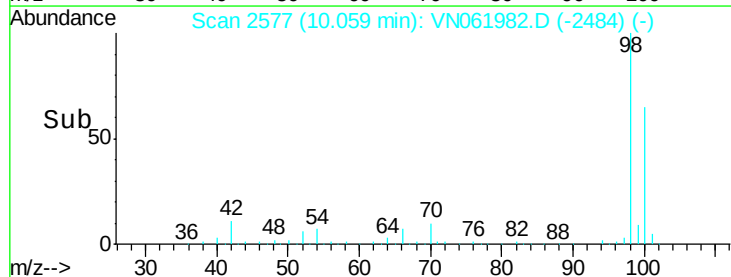
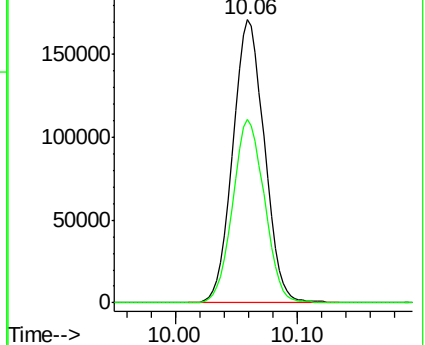
98 100

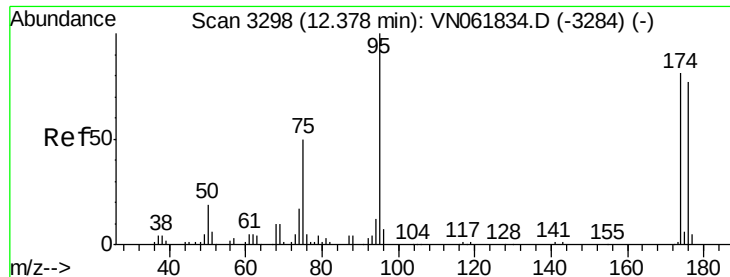
100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061982.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061982.D (-2484) (-)

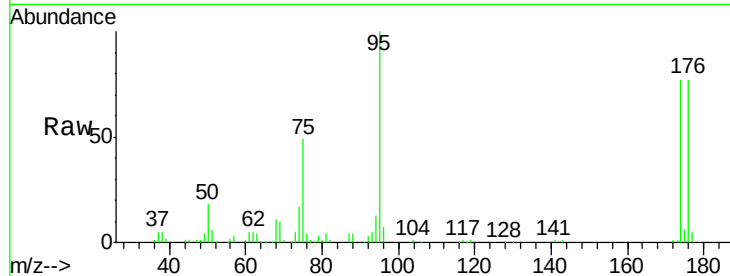




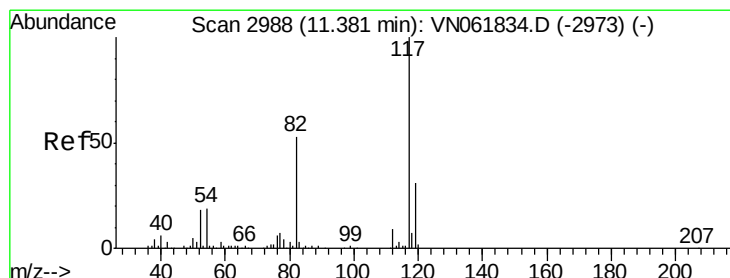
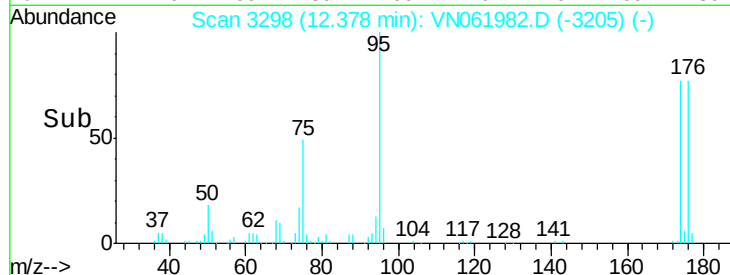
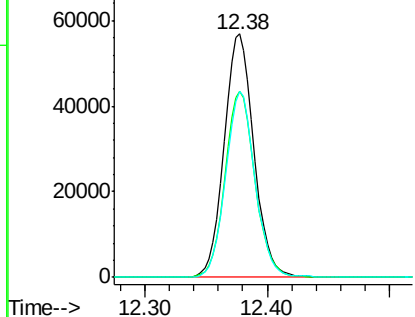
#62
 4-Bromofluorobenzene
 Concen: 46.414 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061982.D
 Acq: 20 Jun 2020 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D-20200613

Tot Ion: 95 Resp: 97144
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 158.6
 176 75.5 0.0 152.0

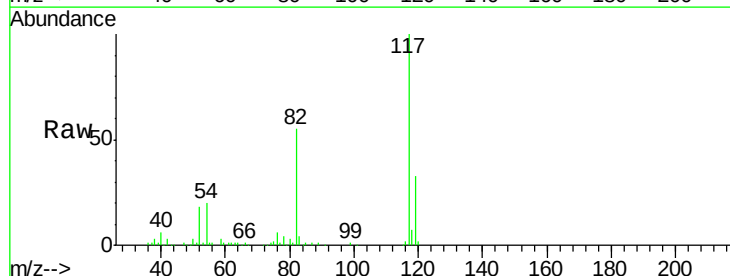


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)
 Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)
 Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

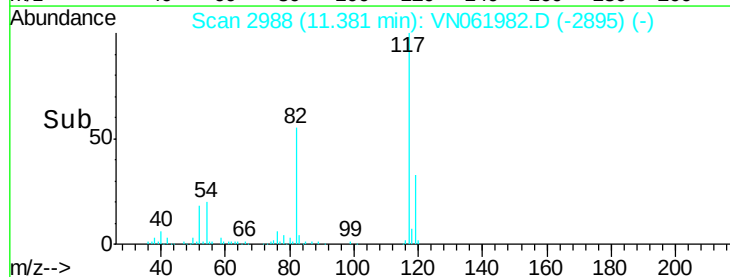
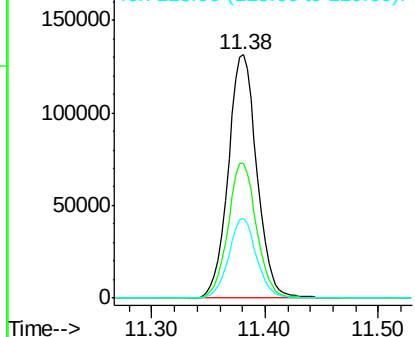


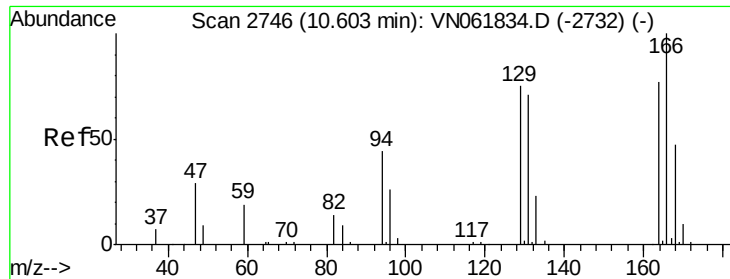
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN061982.D
 Acq: 20 Jun 2020 7:16

Tgt Ion: 117 Resp: 231305
 Ion Ratio Lower Upper
 117 100
 82 55.4 42.6 64.0
 119 33.0 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: 18.198 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061982.D

Acq: 20 Jun 2020 7:16

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20200613

Tot Ion:164 Resp: 26828

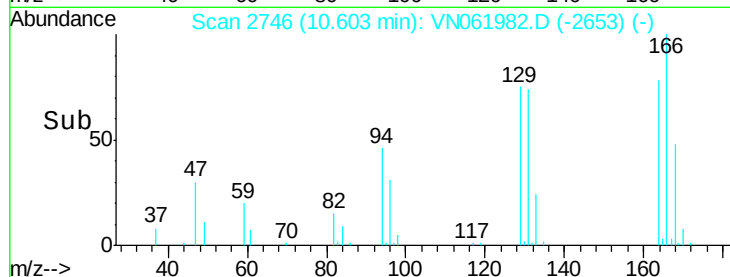
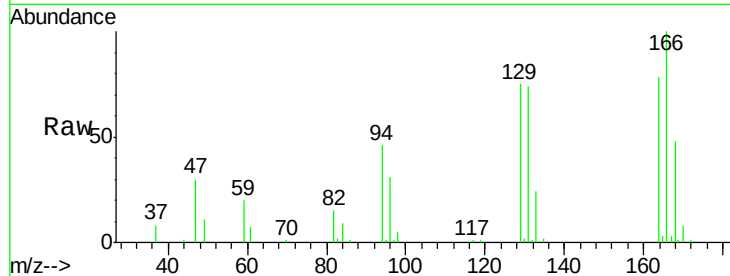
Ion Ratio Lower Upper

164 100

166 128.3 103.5 155.3

129 96.2 77.5 116.3

131 94.8 73.8 110.8

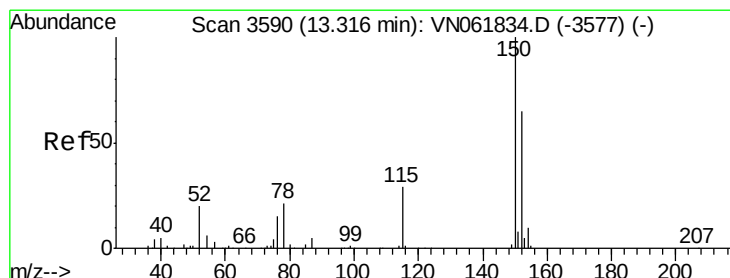
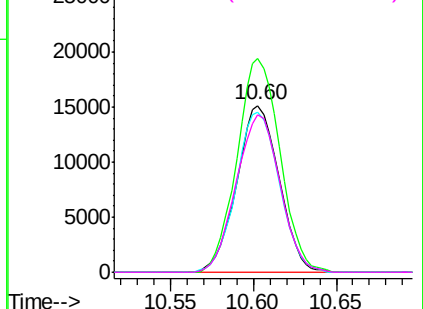


Abundance Ion 163.80 (163.50 to 164.50): V

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: VN061982.D

Acq: 20 Jun 2020 7:16

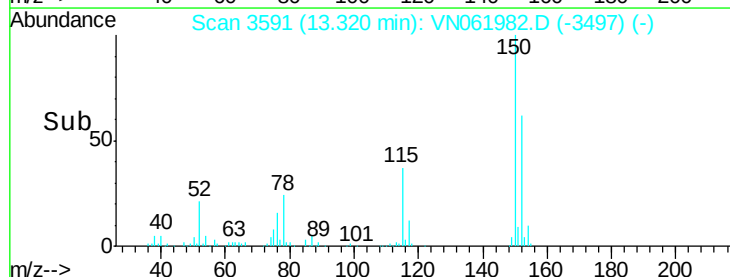
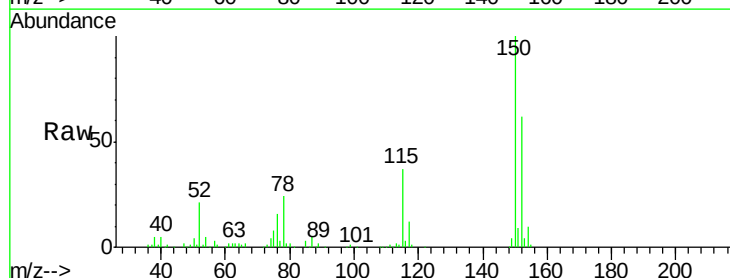
Tgt Ion:152 Resp: 83430

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.3

150 160.2 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

