

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061980.D
 Acq On : 20 Jun 2020 6:28
 Operator : JC/MD
 Sample : L3043-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20200613

Quant Time: Jun 22 00:43:13 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	135076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	245243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84007	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	90663	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	7.55	113	79125	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.06	98	308931	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.38	95	97006	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

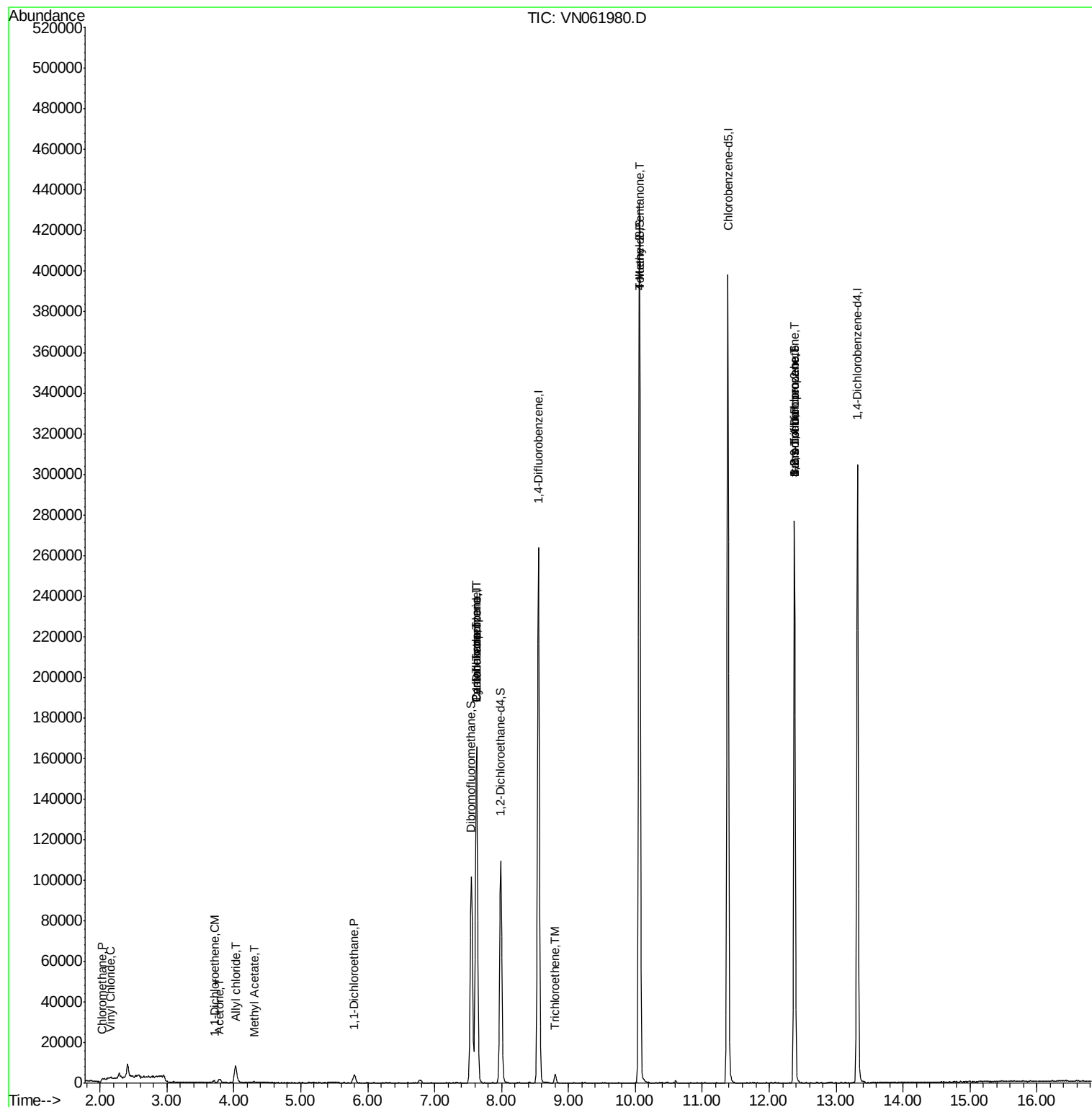
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	828	0.442	ug/l #	81
4) Vinyl Chloride	2.16	62	892	0.399	ug/l	98
12) 1,1-Dichloroethene	3.70	96	669	0.487	ug/l #	66
14) Allyl chloride	4.02	41	1256	0.690	ug/l #	61
16) Acetone	3.79	43	3565	6.662	ug/l	89
18) Methyl Acetate	4.29	43	540	0.351	ug/l #	46
24) 1,1-Dichloroethane	5.80	63	7295	2.675	ug/l #	82
31) Cyclohexane	7.62	56	2814	1.179	ug/l #	36
36) 1,1-Dichloropropene	7.63	75	10448	4.671	ug/l #	46
38) Carbon Tetrachloride	7.63	117	13486	6.088	ug/l #	17
44) Trichloroethene	8.81	130	1873	1.050	ug/l	89
51) 4-Methyl-2-Pentanone	10.06	43	1194	0.686	ug/l #	1
71) Bromoform	12.38	173	777	0.616	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48930	29.668	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48930	80.916	ug/l #	14

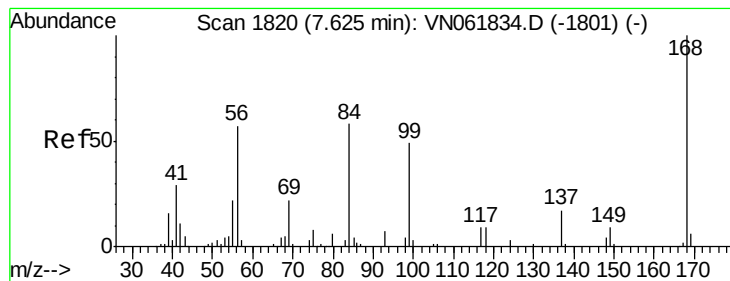
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

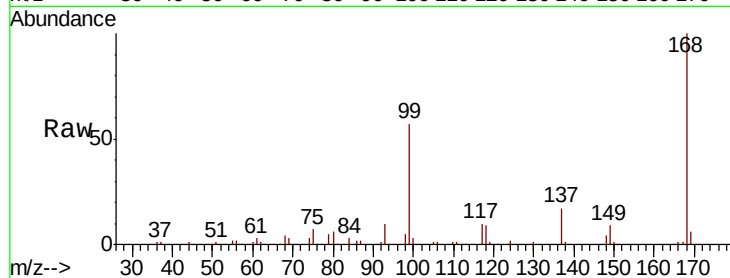
MW203D2-20200613

Tot Ion:168 Resp: 135076

Ion Ratio Lower Upper

168 100

99 56.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

20000

10000

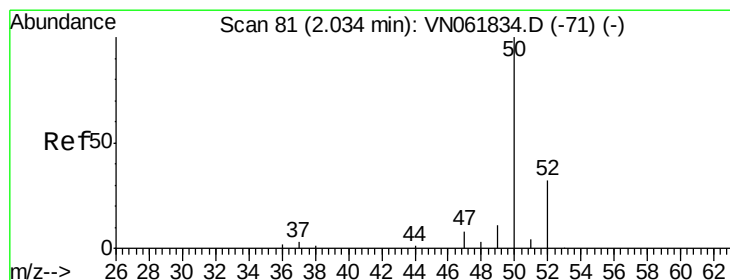
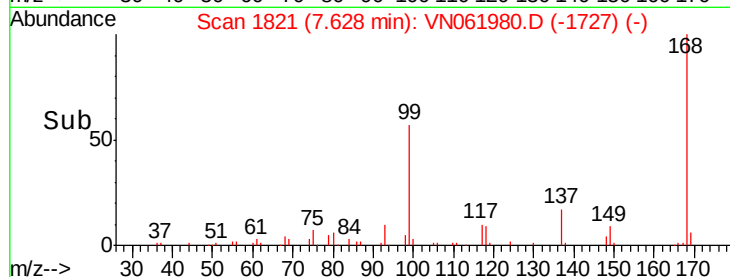
0

7.50

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.442 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061980.D

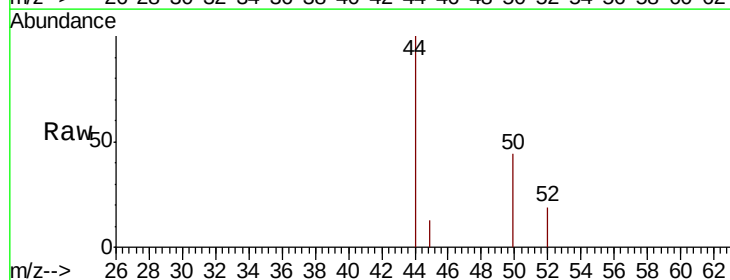
Acq: 20 Jun 2020 6:28

Tgt Ion: 50 Resp: 828

Ion Ratio Lower Upper

50 100

52 43.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

600

400

200

0

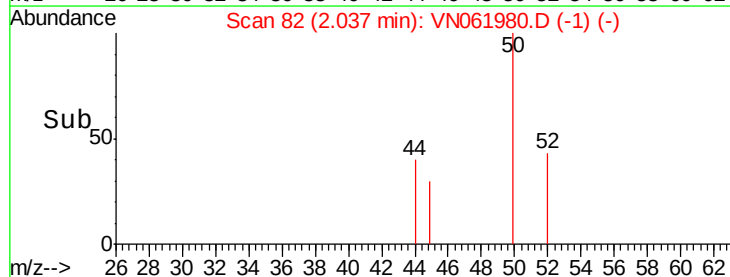
2.00

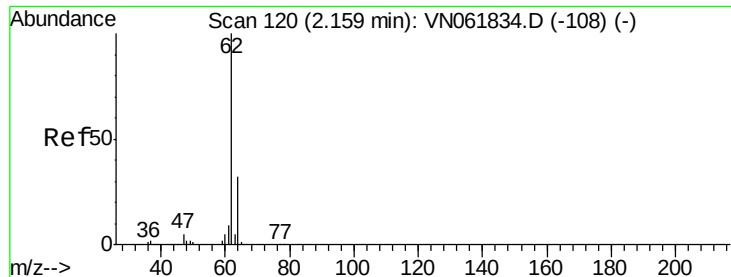
2.02

2.04

2.06

Time-->





#4

Vinyl Chloride

Concen: 0.399 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

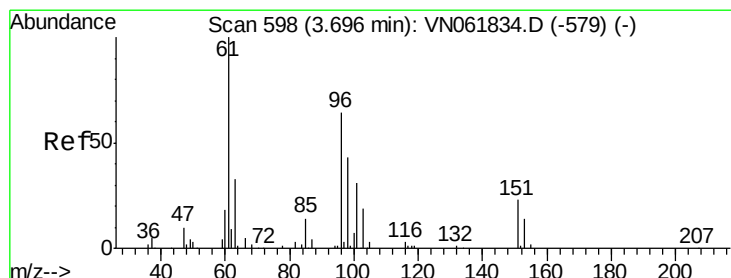
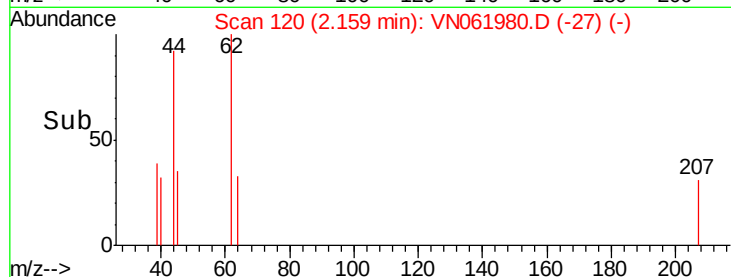
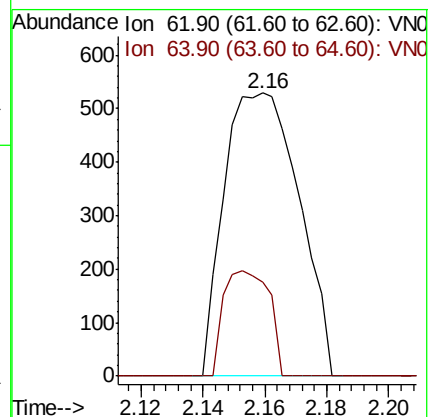
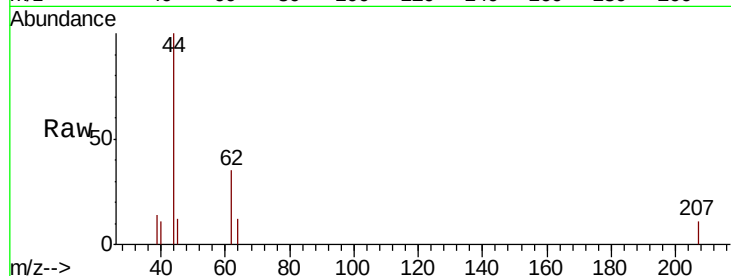
MW203D2-20200613

Tot Ion: 62 Resp: 892

Ion Ratio Lower Upper

62 100

64 33.1 25.5 38.3



#12

1,1-Dichloroethene

Concen: 0.487 ug/l

RT: 3.70 min Scan# 600

Delta R.T. 0.01 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

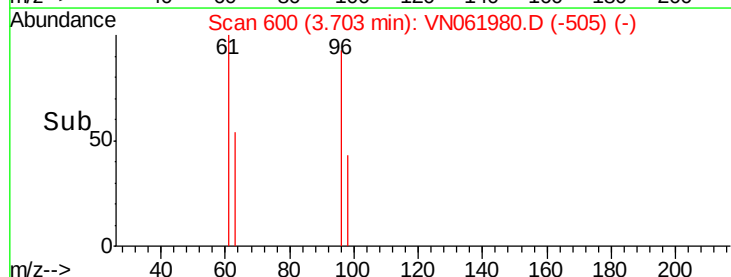
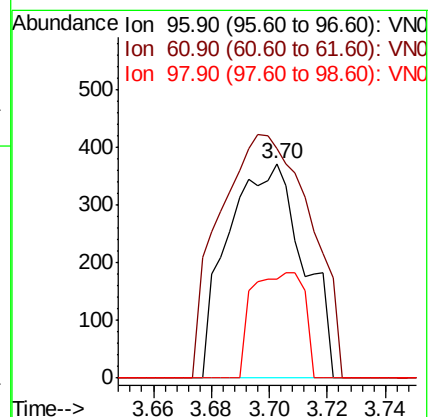
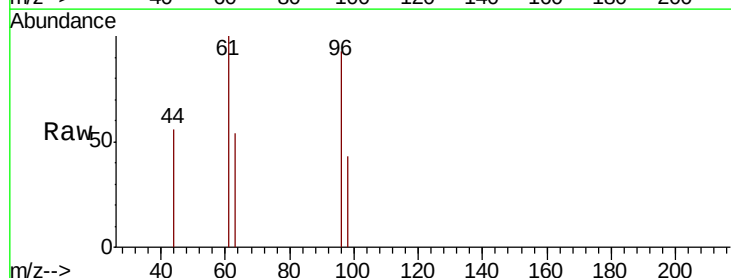
Tgt Ion: 96 Resp: 669

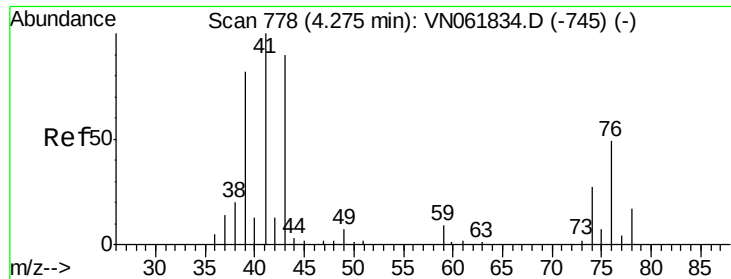
Ion Ratio Lower Upper

96 100

61 107.3 124.3 186.5#

98 46.0 53.1 79.7#

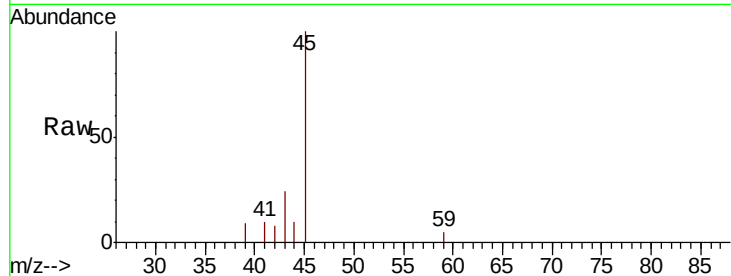




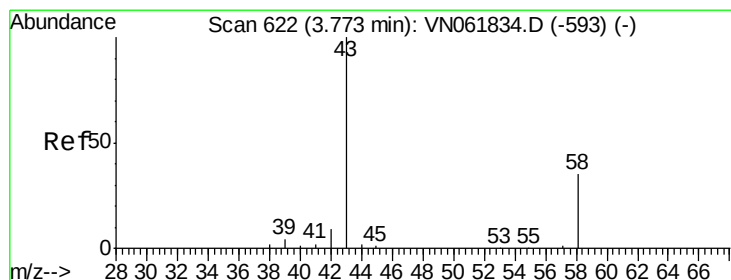
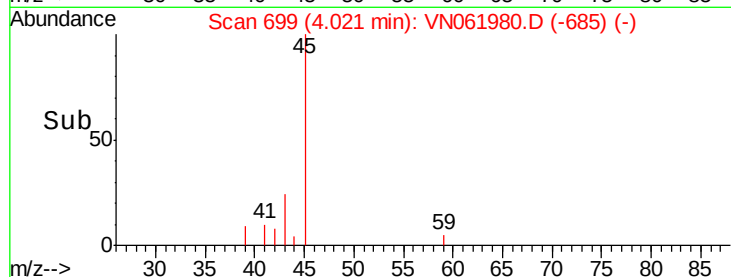
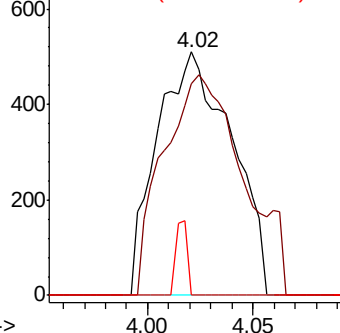
#14
Allvl chloride
Concen: 0.690 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.25 min
Lab File: VN061980.D
Acq: 20 Jun 2020 6:28

Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20200613

Tot Ion: 41 Resp: 1256
Ion Ratio Lower Upper
41 100
39 96.7 60.2 90.2#
76 4.7 36.3 54.5#

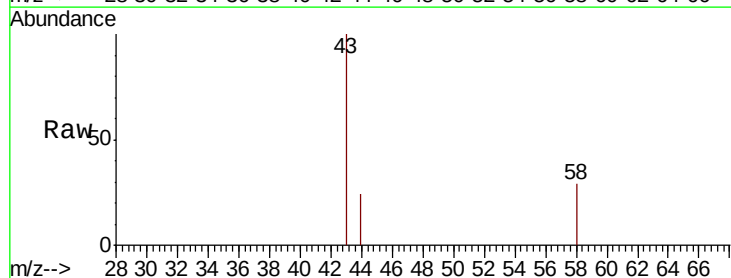


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

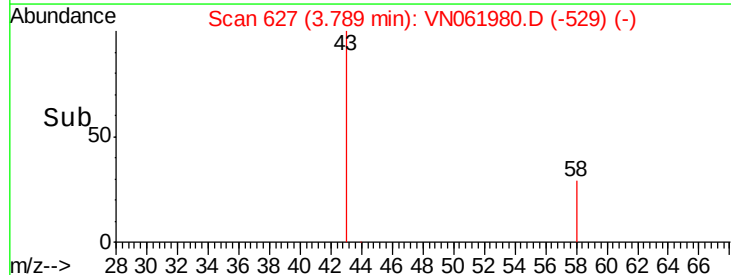
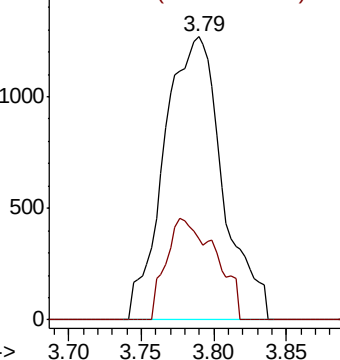


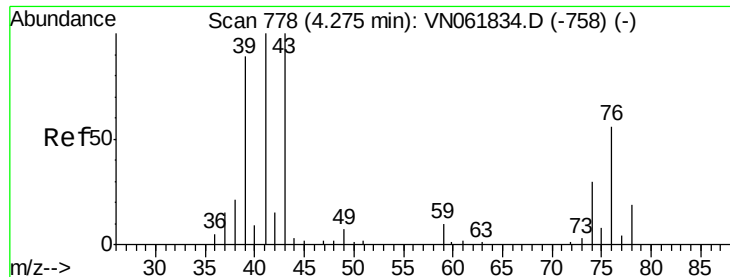
#16
Acetone
Concen: 6.662 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.02 min
Lab File: VN061980.D
Acq: 20 Jun 2020 6:28

Tgt Ion: 43 Resp: 3565
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.351 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.02 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

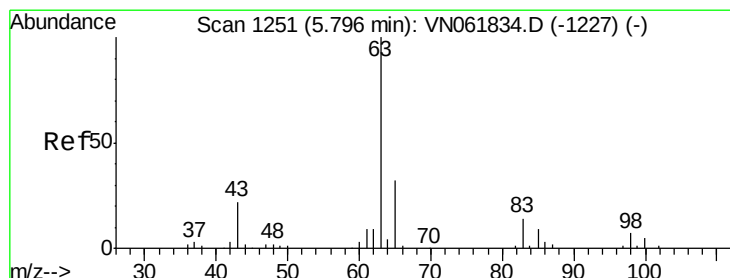
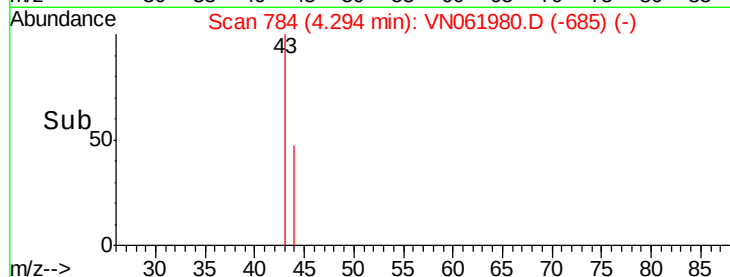
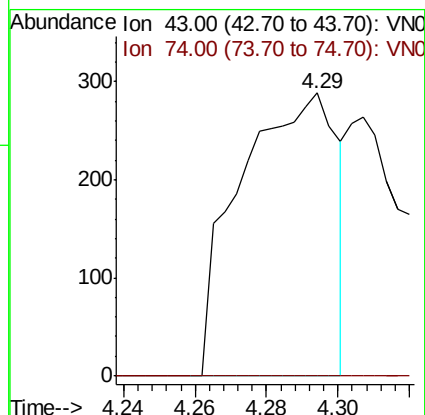
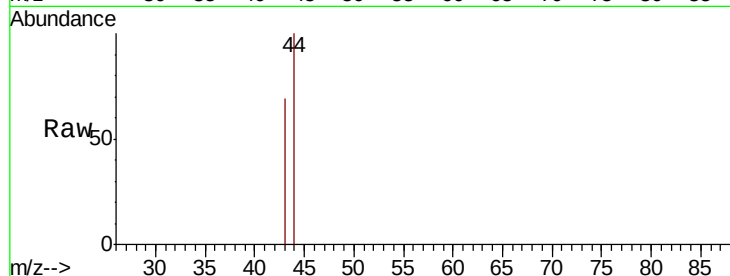
MW203D2-20200613

Tot Ion: 43 Resp: 540

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#



#24

1,1-Dichloroethane

Concen: 2.675 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

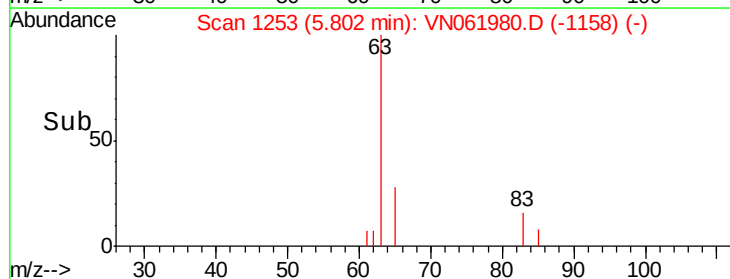
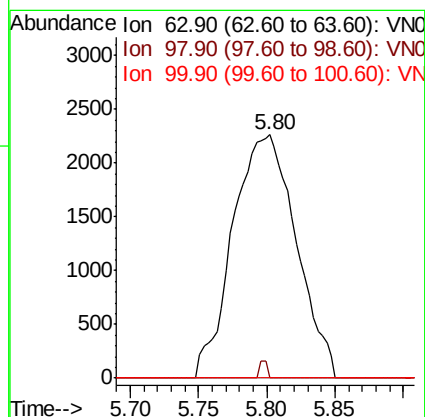
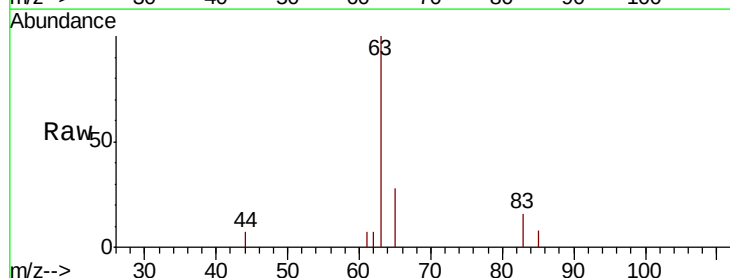
Tgt Ion: 63 Resp: 7295

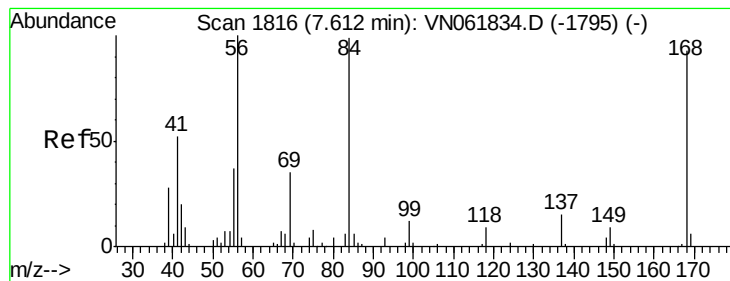
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.4#





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200613

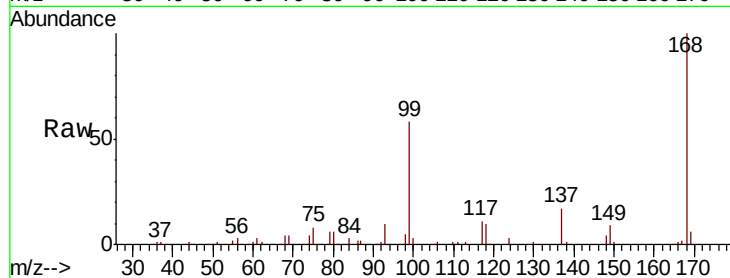
Tot Ion: 56 Resp: 2814

Ion Ratio Lower Upper

56 100

69 143.8 27.7 41.5#

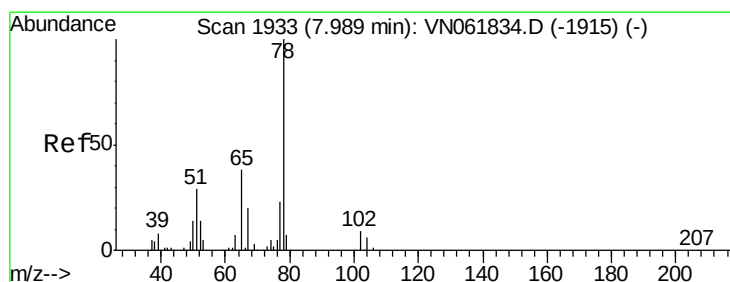
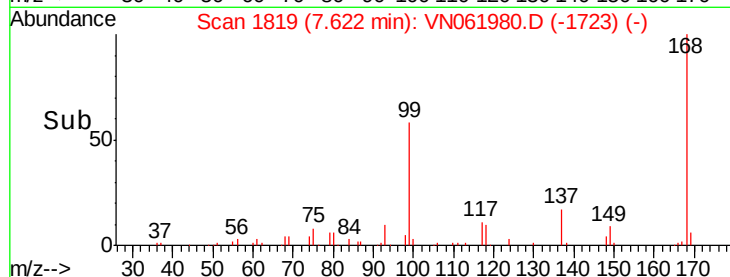
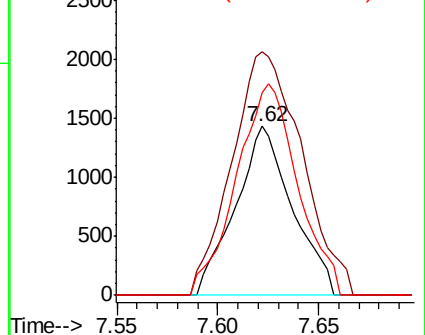
84 119.6 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061980.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061980.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061980.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.047 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061980.D

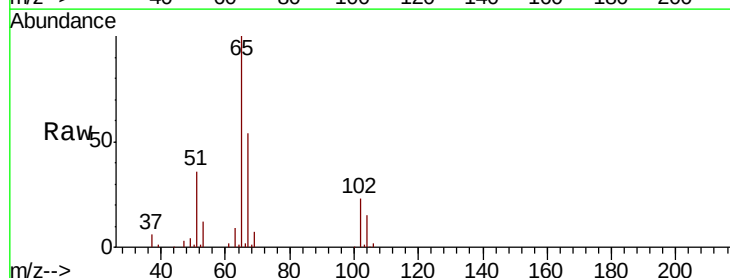
Acq: 20 Jun 2020 6:28

Tgt Ion: 65 Resp: 90663

Ion Ratio Lower Upper

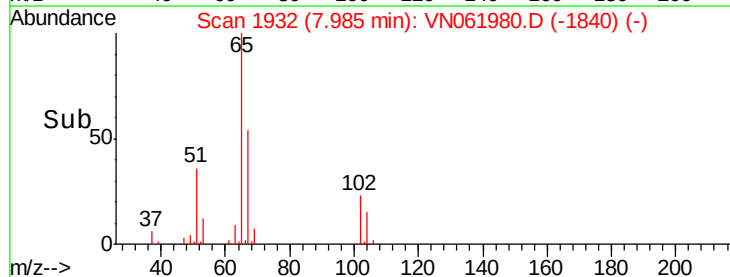
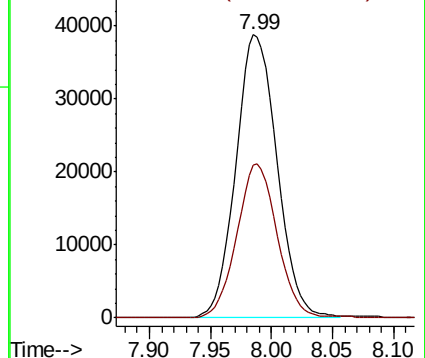
65 100

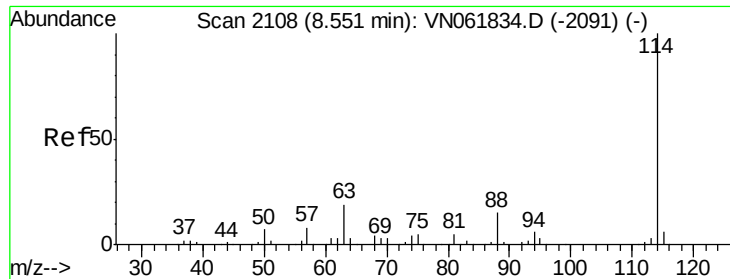
67 53.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061980.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061980.D (-1840) (-)

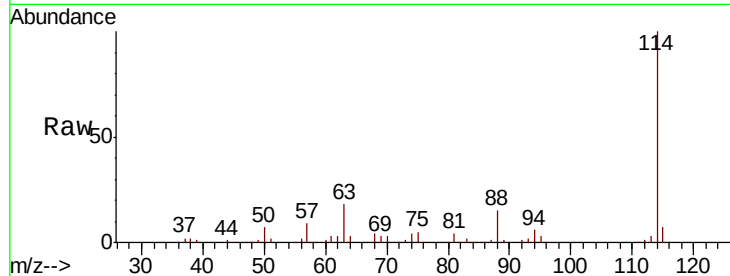




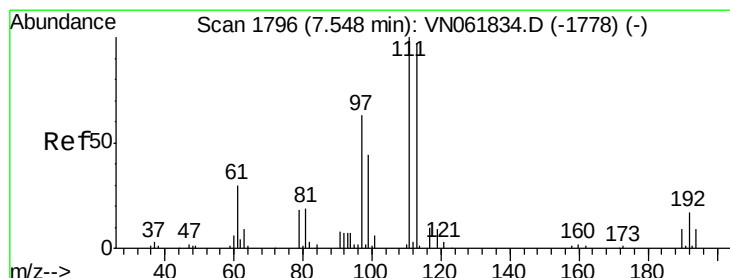
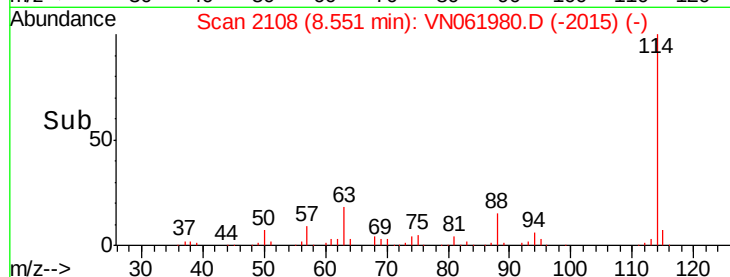
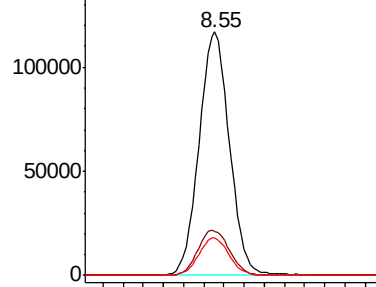
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061980.D
Acq: 20 Jun 2020 6:28

Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20200613

Tot Ion:114 Resp: 245243
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.6
88 15.2 0.0 31.0

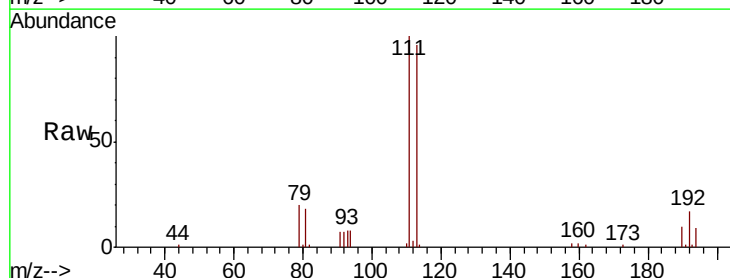


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

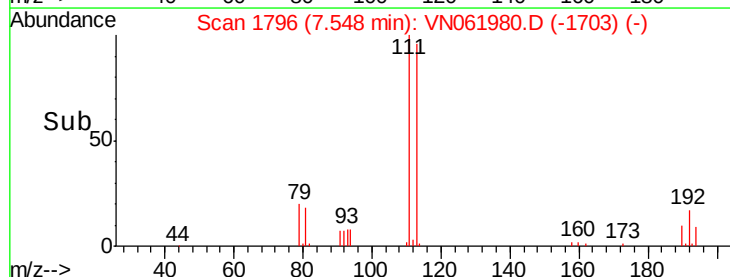
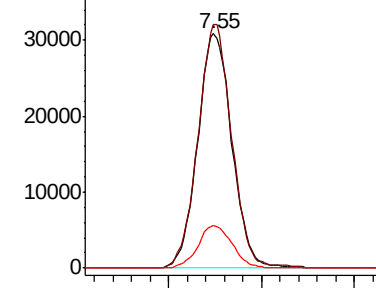


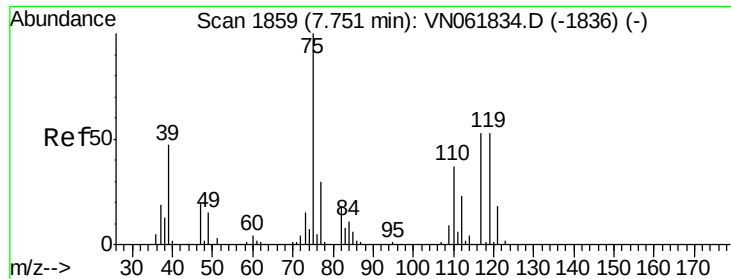
#35
Dibromofluoromethane
Concen: 50.432 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061980.D
Acq: 20 Jun 2020 6:28

Tgt Ion:113 Resp: 79125
Ion Ratio Lower Upper
113 100
111 102.1 83.7 125.5
192 18.0 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





#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200613

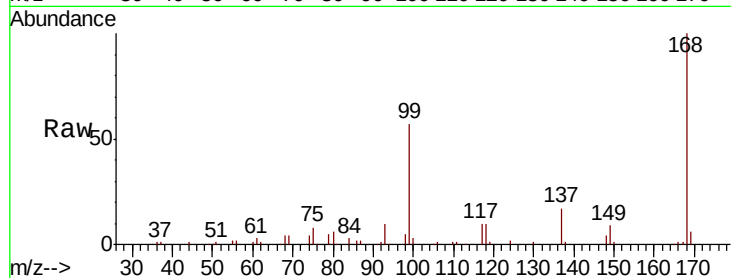
Tot Ion: 75 Resp: 10448

Ion Ratio Lower Upper

75 100

110 5.0 18.2 54.6#

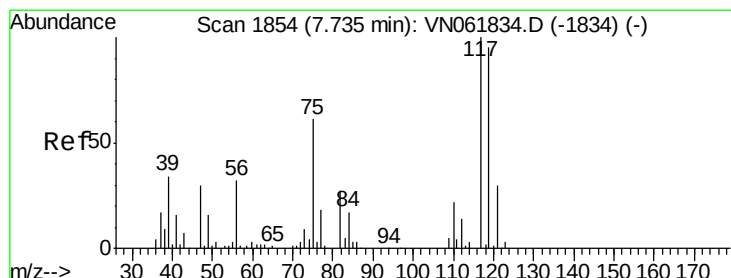
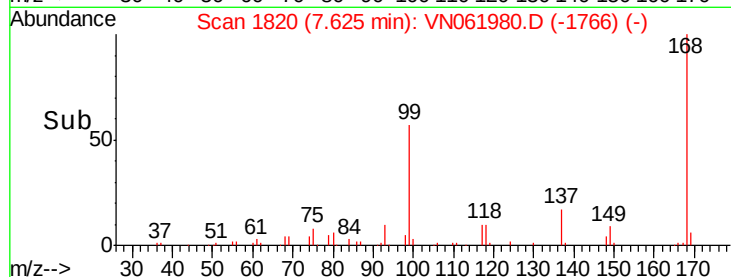
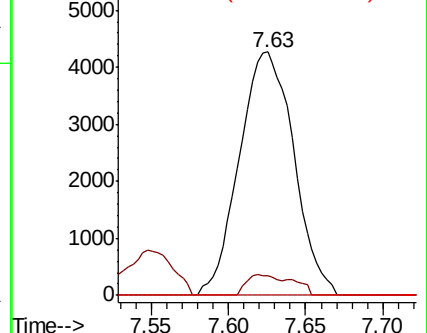
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 6.088 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

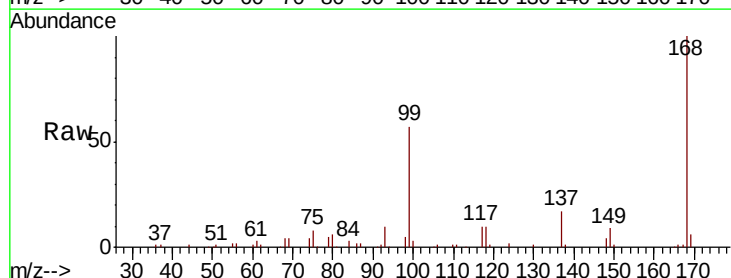
Tgt Ion: 117 Resp: 13486

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

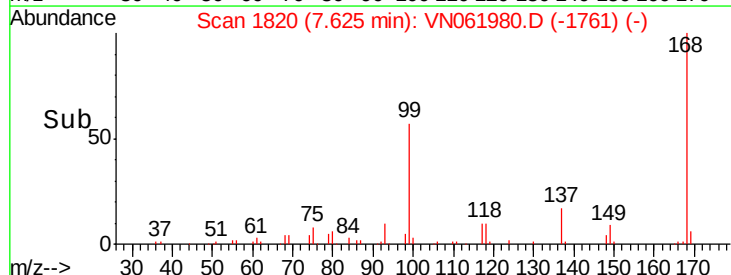
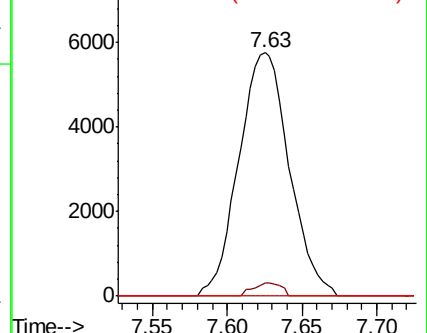
121 0.0 23.8 35.6#

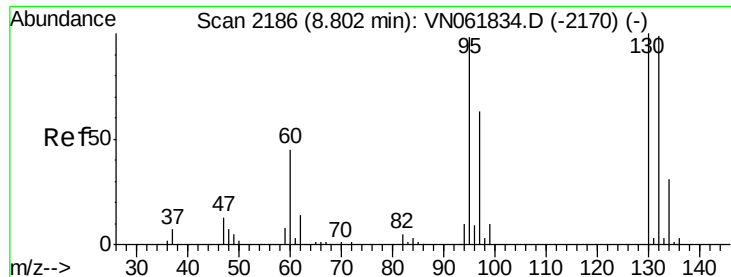


Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)





#44

Trichloroethene

Concen: 1.050 ug/l

RT: 8.81 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

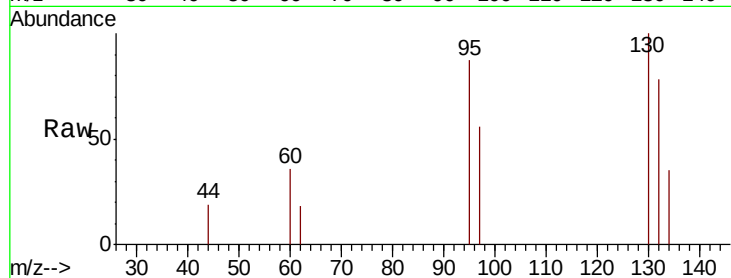
MW203D2-20200613

Tot Ion:130 Resp: 1873

Ion Ratio Lower Upper

130 100

95 87.3 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.81

1000

800

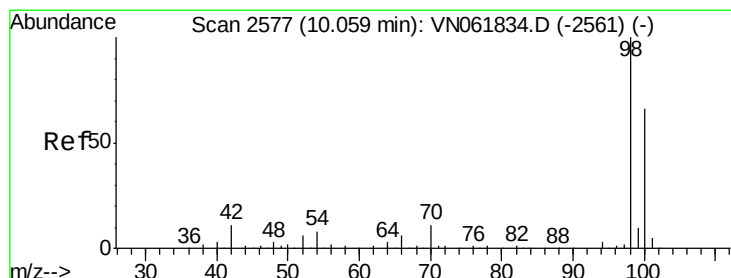
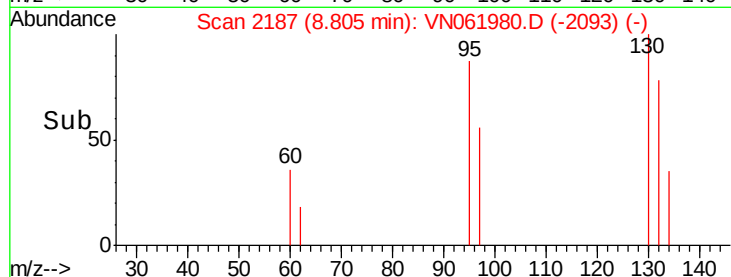
600

400

200

0

Time-->



#50

Toluene-d8

Concen: 50.085 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061980.D

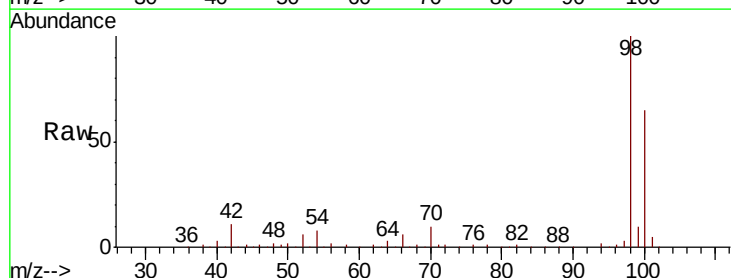
Acq: 20 Jun 2020 6:28

Tgt Ion: 98 Resp: 308931

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

200000

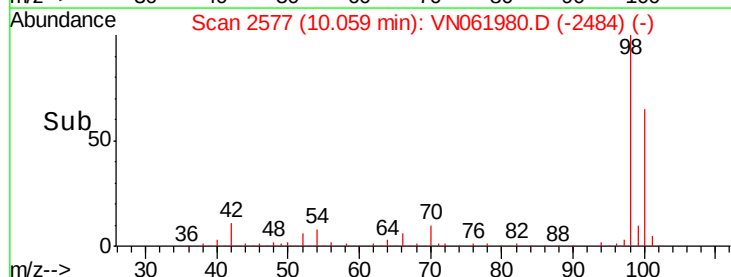
150000

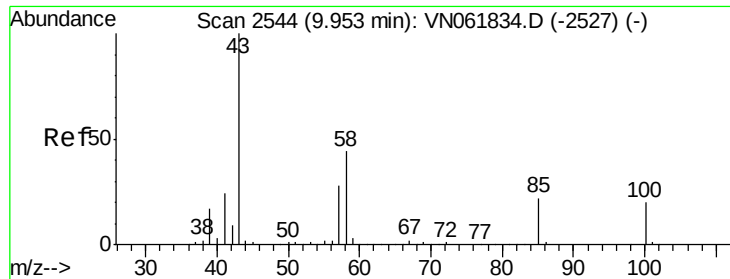
100000

50000

0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.686 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

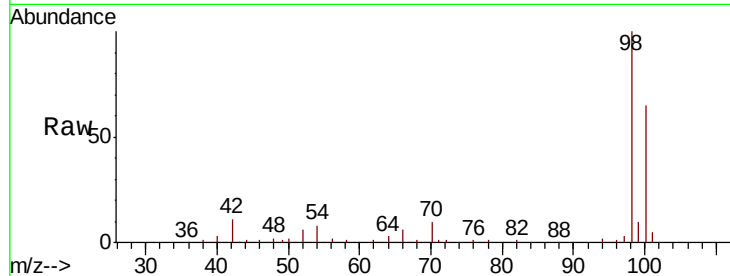
MW203D2-20200613

Tot Ion: 43 Resp: 1194

Ion Ratio Lower Upper

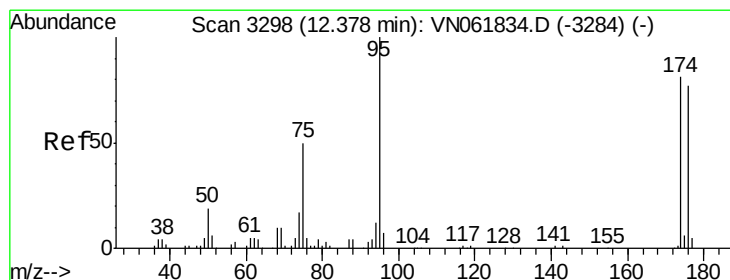
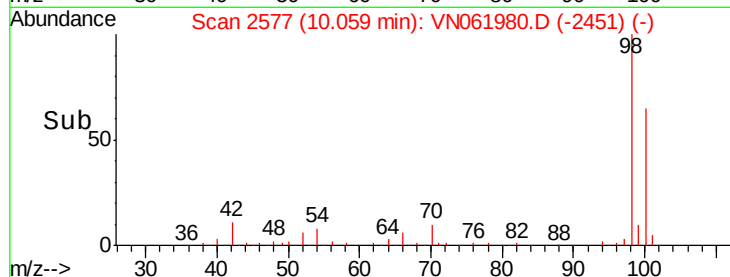
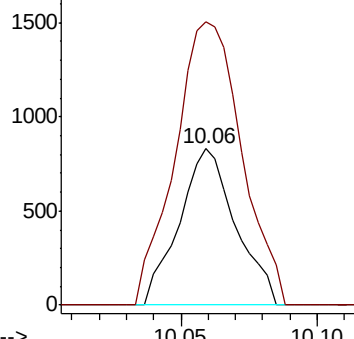
43 100

58 213.9 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 45.849 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

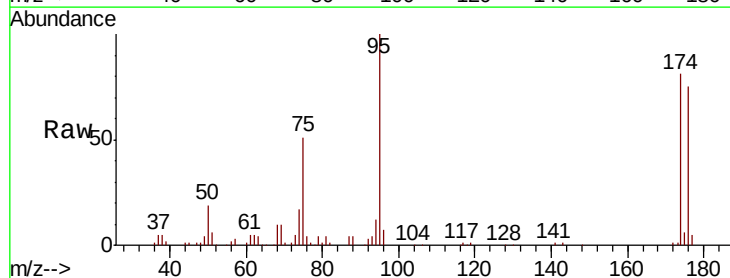
Tgt Ion: 95 Resp: 97006

Ion Ratio Lower Upper

95 100

174 79.9 0.0 158.6

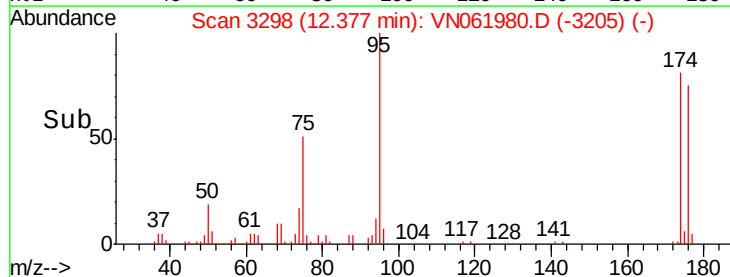
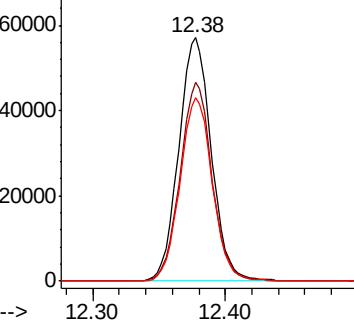
176 74.8 0.0 152.0

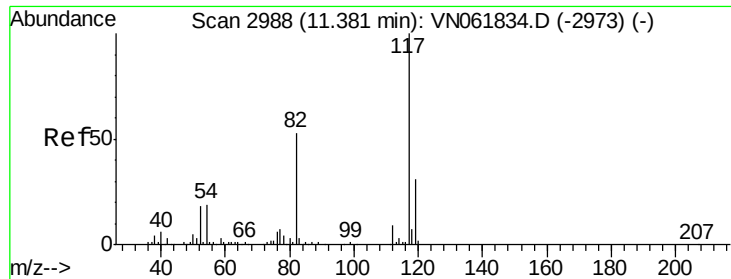


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

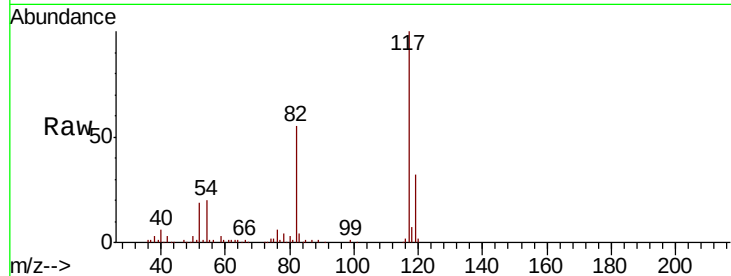




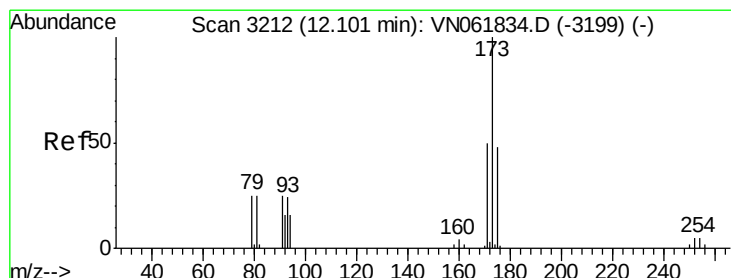
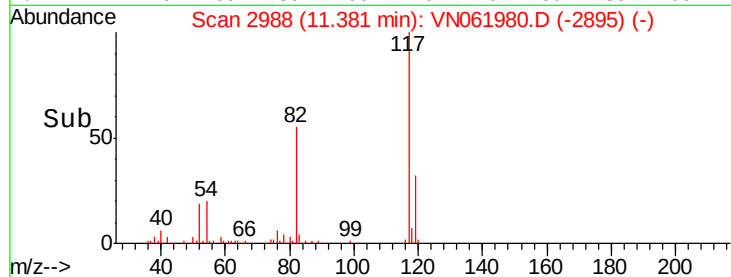
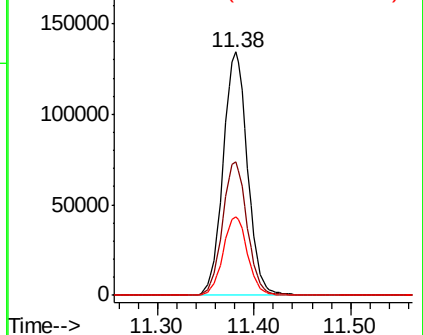
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061980.D
Acq: 20 Jun 2020 6:28

Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20200613

Tot Ion:117 Resp: 235016
Ion Ratio Lower Upper
117 100
82 54.6 42.6 64.0
119 32.4 24.7 37.1

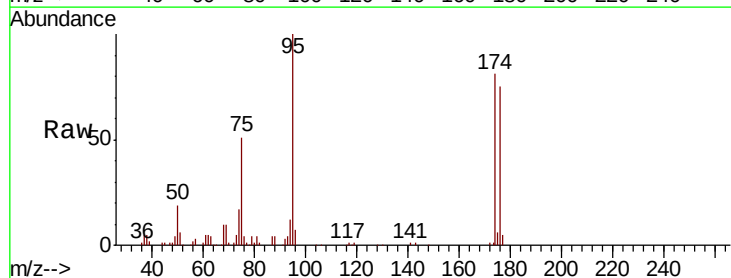


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

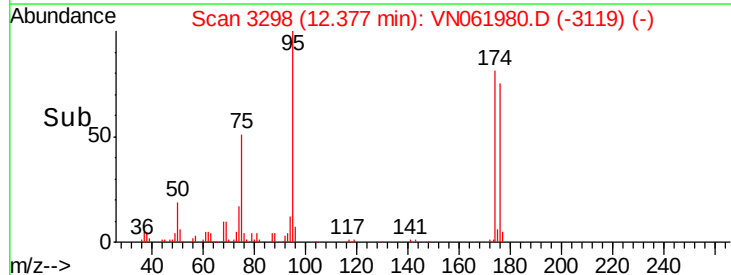
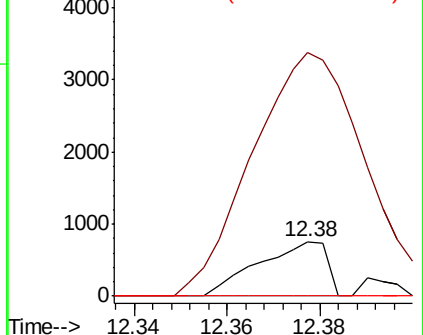


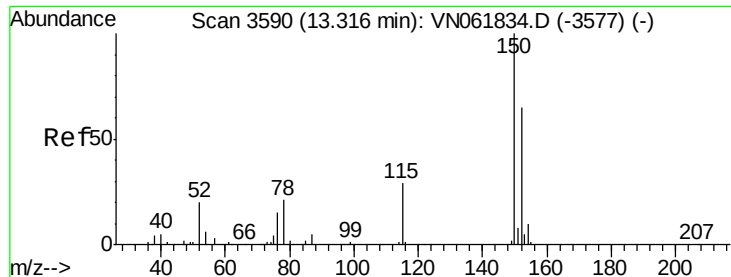
#71
Bromoform
Concen: 0.616 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061980.D
Acq: 20 Jun 2020 6:28

Tgt Ion:173 Resp: 777
Ion Ratio Lower Upper
173 100
175 615.7 23.9 71.7#
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200613

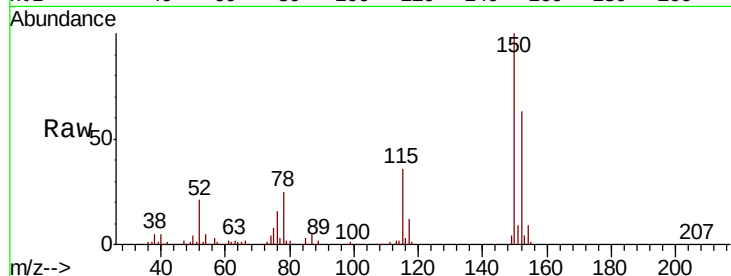
Tot Ion:152 Resp: 84007

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

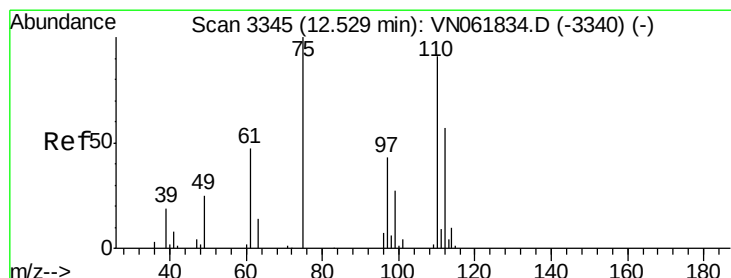
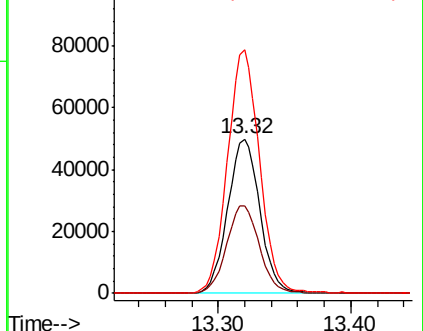
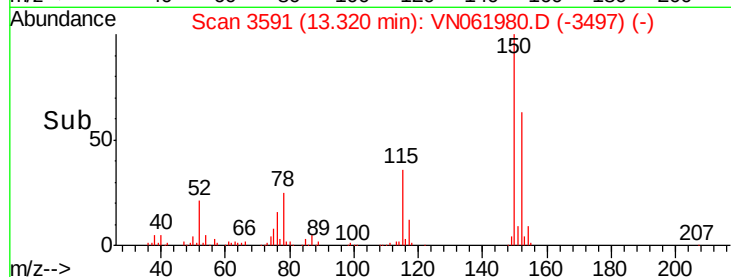
150 157.5 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 29.668 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061980.D

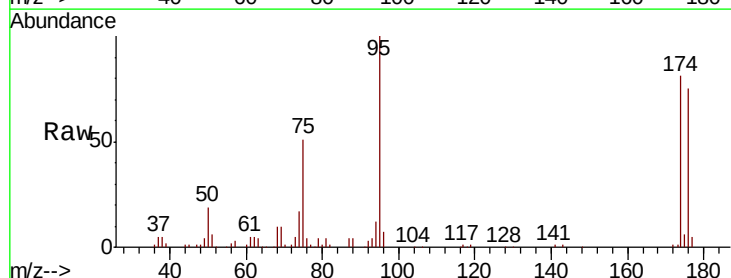
Acq: 20 Jun 2020 6:28

Tgt Ion: 75 Resp: 48930

Ion Ratio Lower Upper

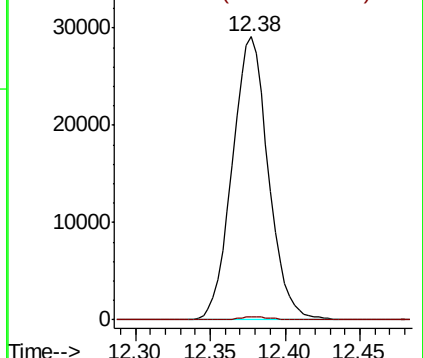
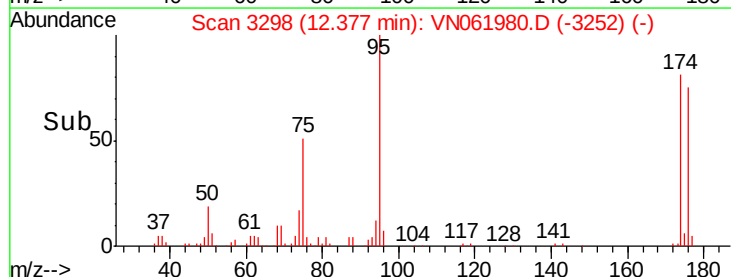
75 100

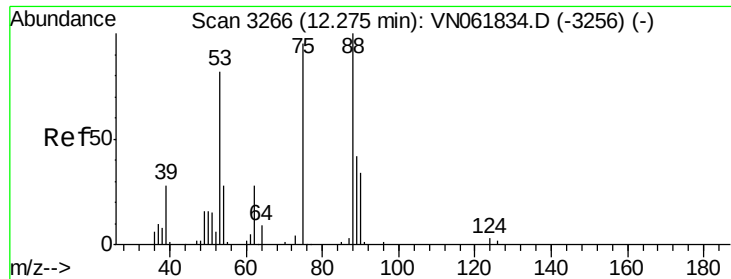
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 80.916 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061980.D

Acq: 20 Jun 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

MW203D2-20200613

Tot Ion: 75 Resp: 48930

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

