

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062251.D
 Acq On : 30 Jun 2020 19:52
 Operator : JC/MD
 Sample : L3170-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Jul 01 03:38:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

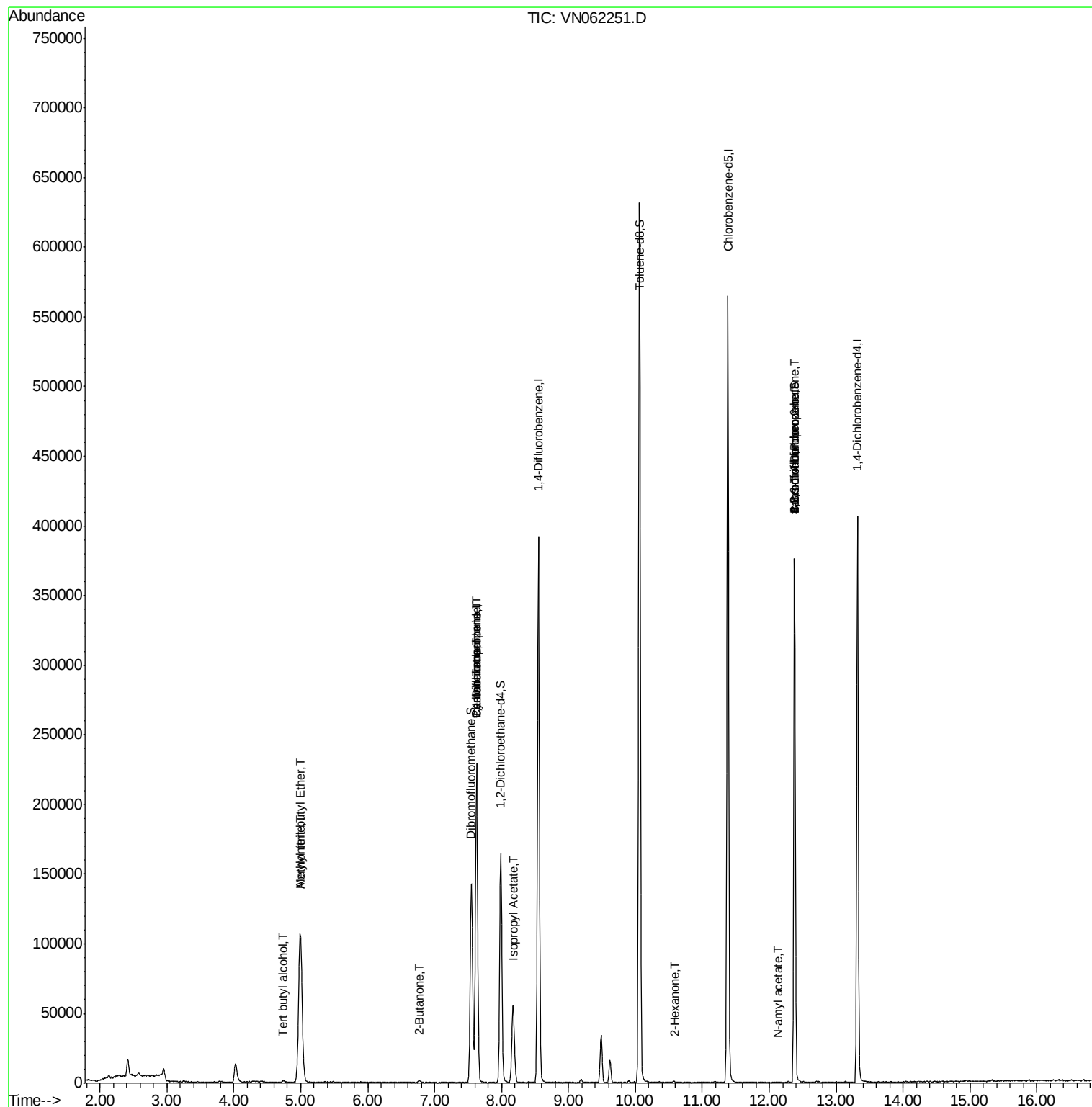
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	176123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	346762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	325430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105890	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	139655	56.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.00%	
35) Dibromofluoromethane	7.55	113	113250	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
50) Toluene-d8	10.06	98	438875	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.38	95	133221	44.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	527	Below Cal		95
11) Tert butyl alcohol	4.73	59	1754	4.943 ug/l #		72
15) Acrylonitrile	5.00	53	2570	2.658 ug/l #		39
16) Acetone	3.78	43	1480	Below Cal		91
19) Methyl tert-butyl Ether	4.99	73	183887	28.456 ug/l		97
25) 2-Butanone	6.77	43	291	0.241 ug/l #		44
31) Cyclohexane	7.63	56	4506	1.320 ug/l #		17
36) 1,1-Dichloropropene	7.62	75	15640	4.487 ug/l #		48
38) Carbon Tetrachloride	7.63	117	18132	5.518 ug/l #		16
43) Isopropyl Acetate	8.17	43	12181	2.589 ug/l #		58
59) 2-Hexanone	10.58	43	1145	0.577 ug/l #		57
71) Bromoform	12.38	173	1007	0.573 ug/l #		1
74) N-amyl acetate	12.13	43	30	3.352 ug/l #		38
76) 1,2,3-Trichloropropane	12.38	75	68734	27.574 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	68734	80.526 ug/l #		13

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

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Quant Time: Jul 01 03:38:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
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: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

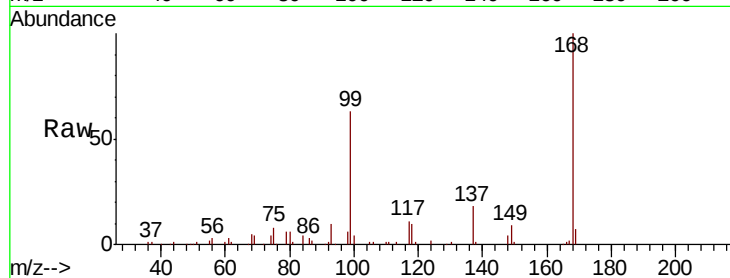
MW-6

Tot Ion:168 Resp: 176123

Ion Ratio Lower Upper

168 100

99 62.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

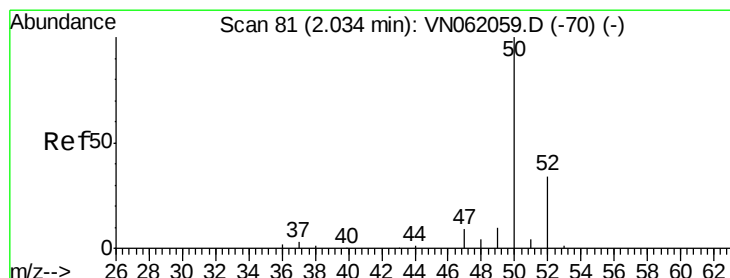
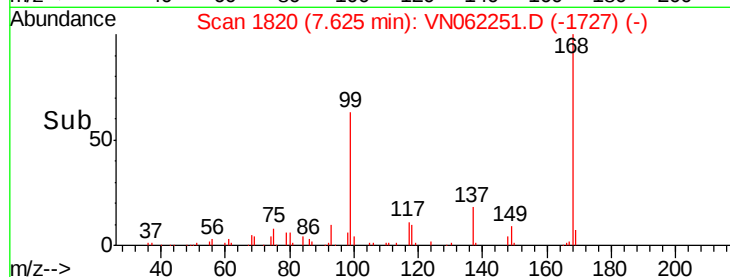
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062251.D

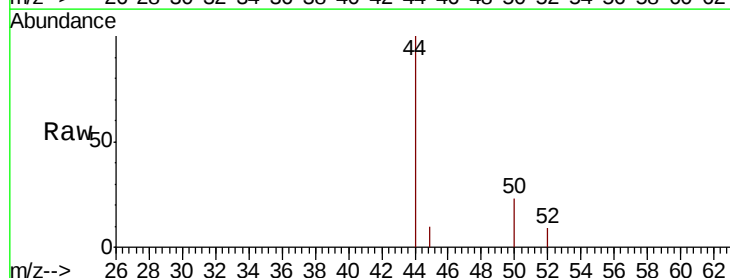
Acq: 30 Jun 2020 19:52

Tgt Ion: 50 Resp: 527

Ion Ratio Lower Upper

50 100

52 36.6 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

500

400

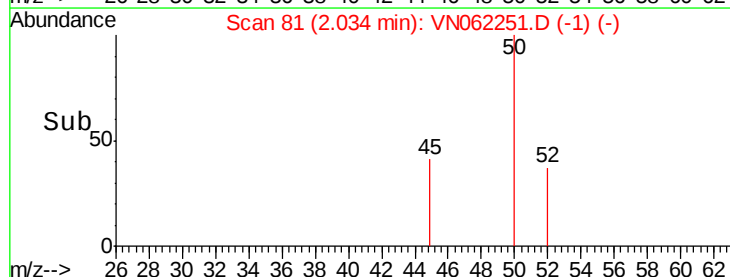
300

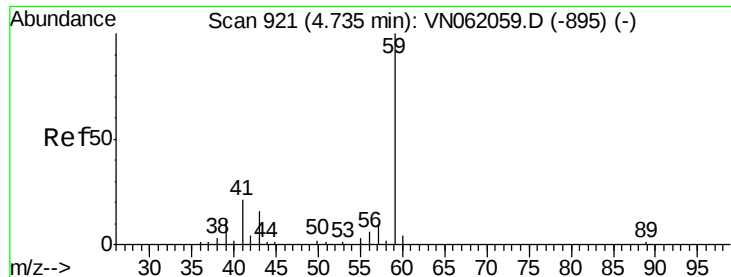
200

100

0

Time--> 2.00 2.02 2.04 2.06



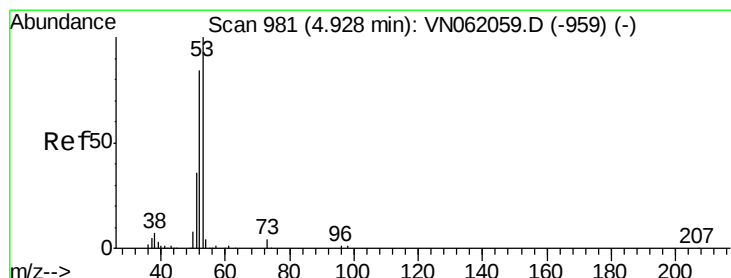
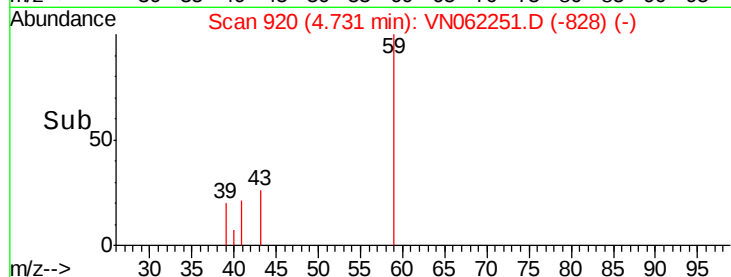
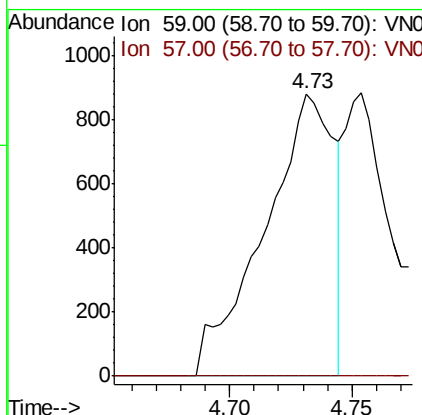
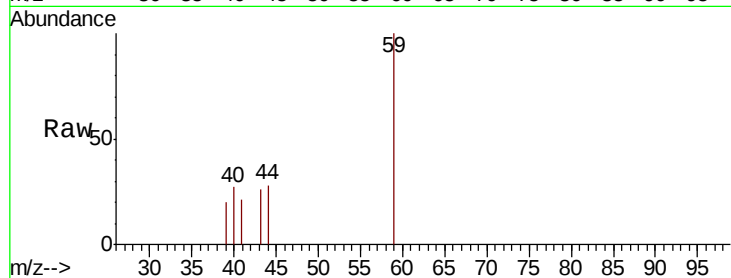


#11

Tert butyl alcohol
 Concen: 4.943 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062251.D
 Acq: 30 Jun 2020 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

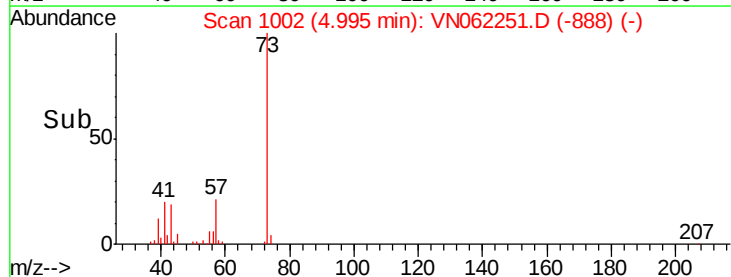
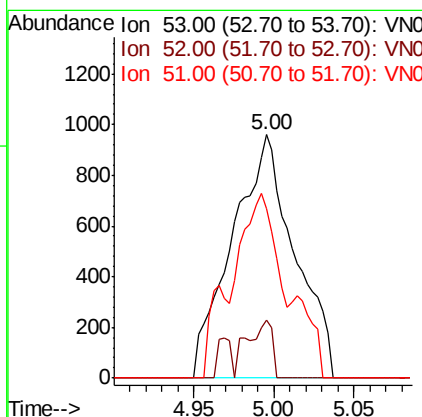
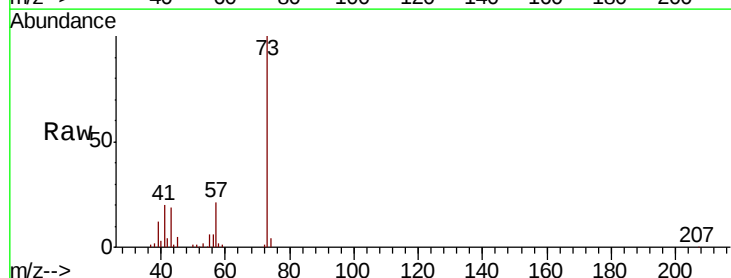
Tot Ion: 59 Resp: 1754
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

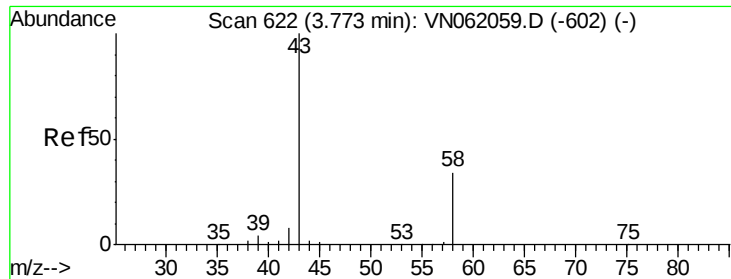


#15

Acrylonitrile
 Concen: 2.658 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.07 min
 Lab File: VN062251.D
 Acq: 30 Jun 2020 19:52

Tgt Ion: 53 Resp: 2570
 Ion Ratio Lower Upper
 53 100
 52 9.3 66.2 99.4#
 51 28.6 28.9 43.3#





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

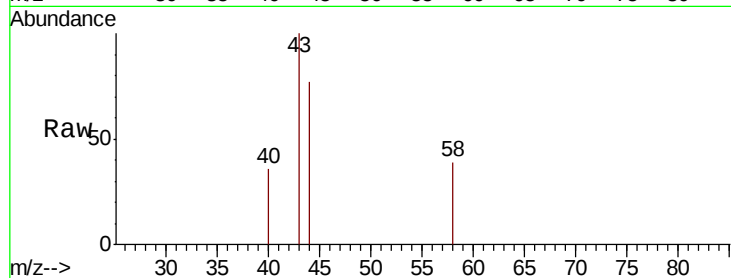
MW-6

Tot Ion: 43 Resp: 1480

Ion Ratio Lower Upper

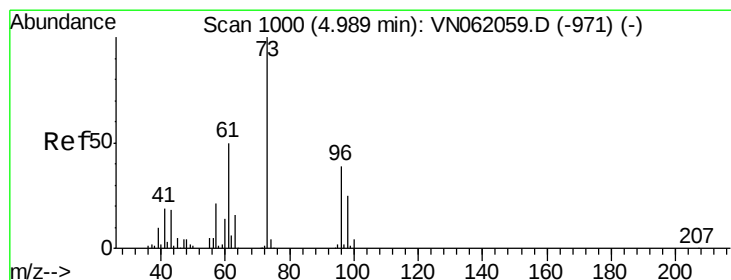
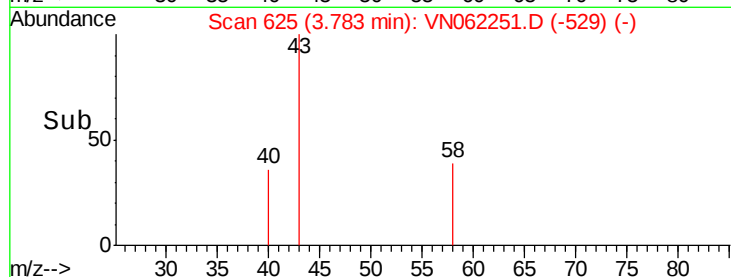
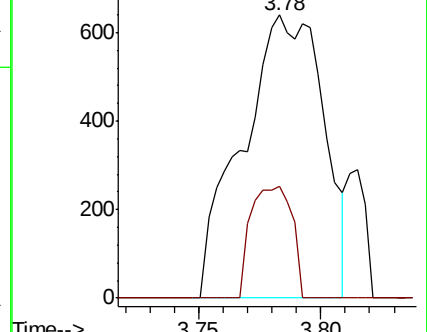
43 100

58 39.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)



#19

Methyl tert-butyl Ether

Concen: 28.456 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN062251.D

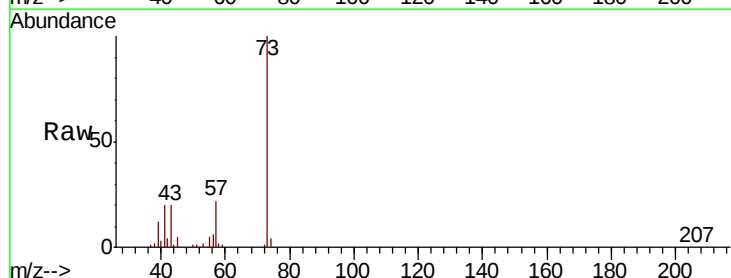
Acq: 30 Jun 2020 19:52

Tgt Ion: 73 Resp: 183887

Ion Ratio Lower Upper

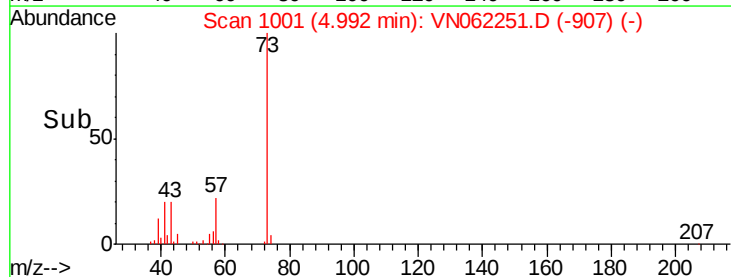
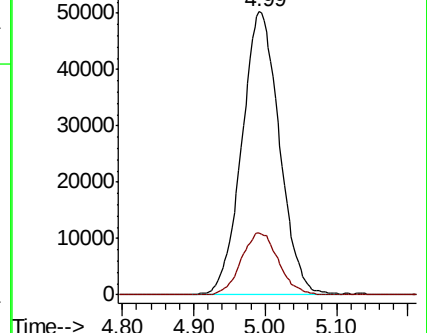
73 100

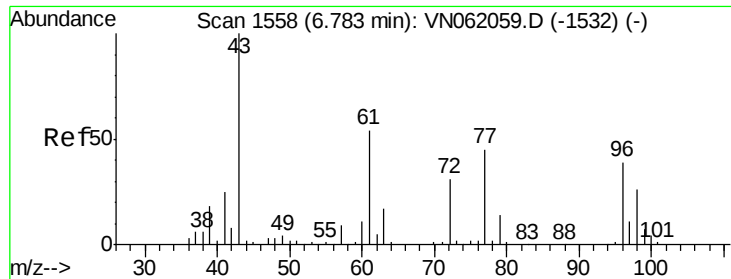
57 21.9 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VN062059.D (-971) (-)

Ion 57.00 (56.70 to 57.70): VN062059.D (-971) (-)

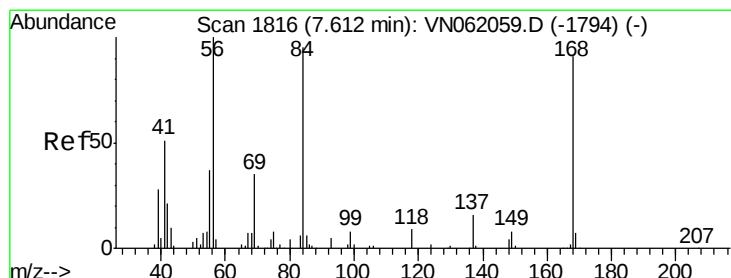
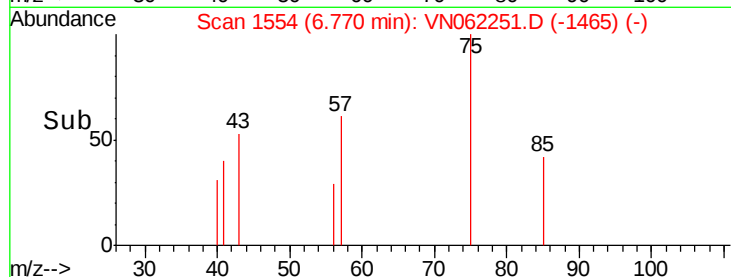
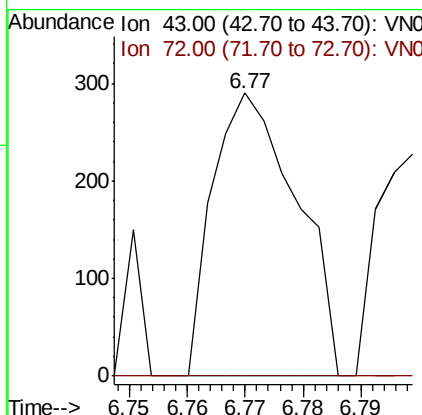
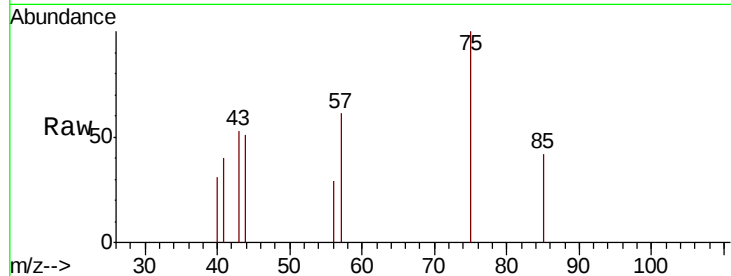




#25
2-Butanone
Concen: 0.241 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN062251.D
Acq: 30 Jun 2020 19:52

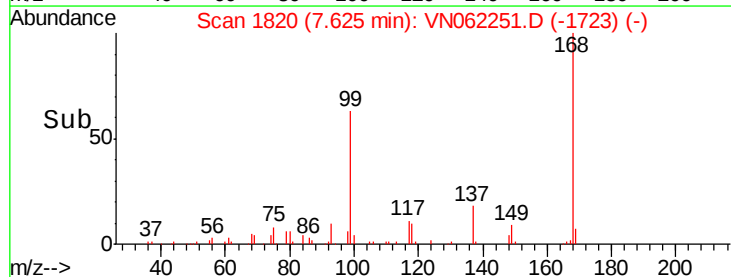
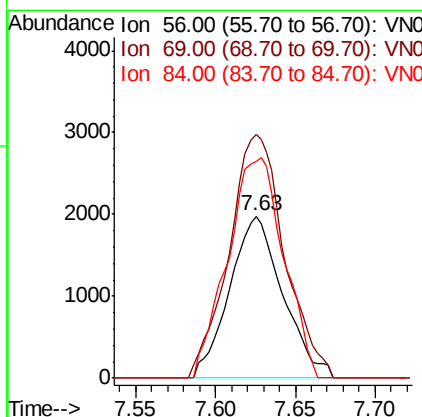
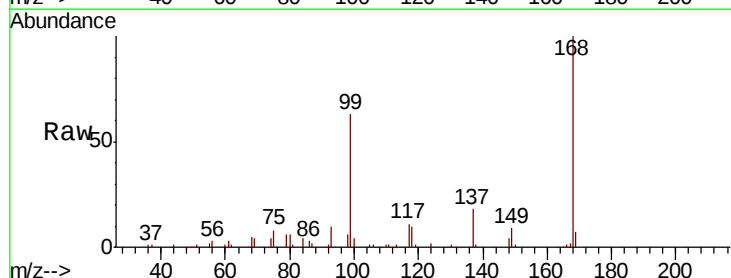
Instrument :
MSVOA_N
ClientSampled :
MW-6

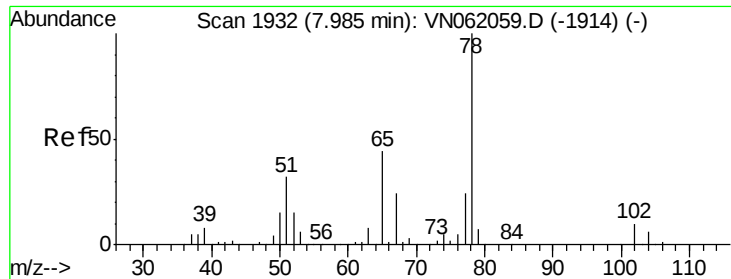
Tot Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
72 0.0 24.8 37.2#



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062251.D
Acq: 30 Jun 2020 19:52

Tgt Ion: 56 Resp: 4506
Ion Ratio Lower Upper
56 100
69 150.2 28.0 42.0#
84 133.9 76.1 114.1#

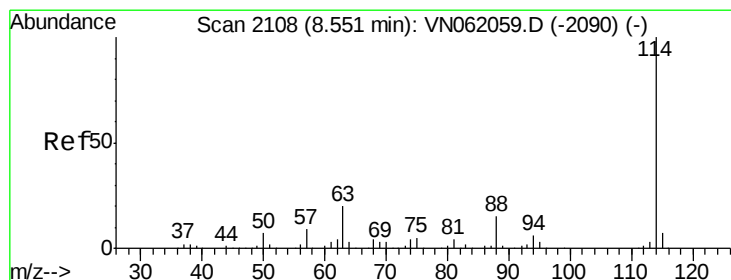
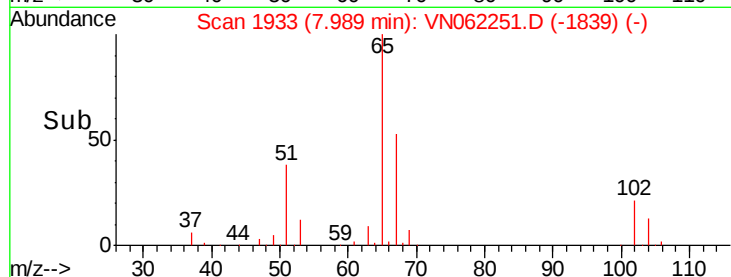
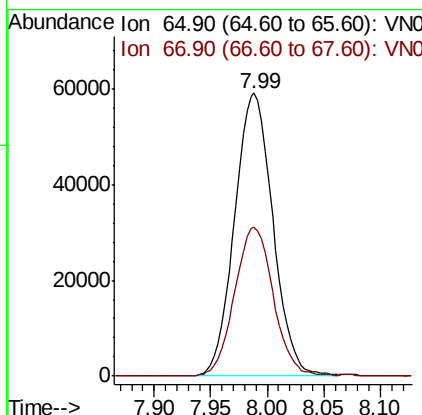
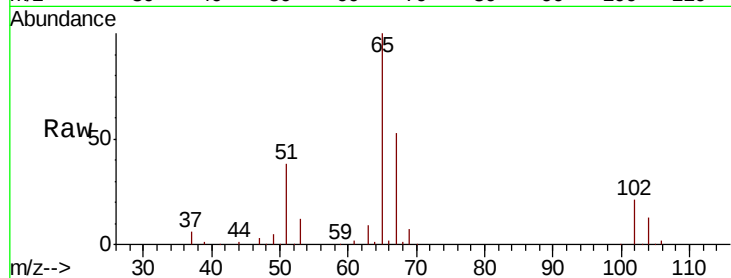




#33
 1,2-Dichloroethane-d4
 Concen: 56.504 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062251.D
 Acq: 30 Jun 2020 19:52

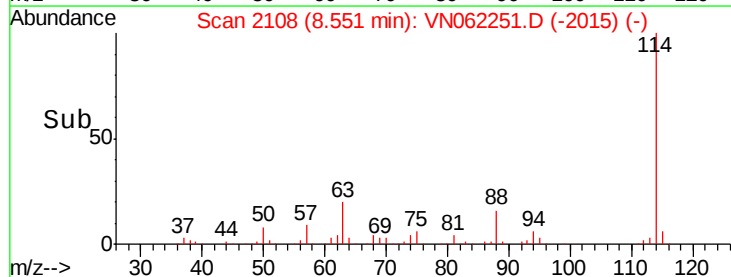
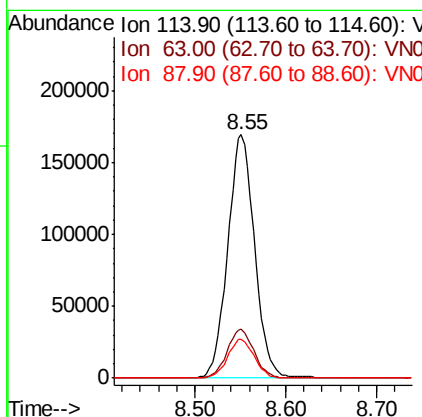
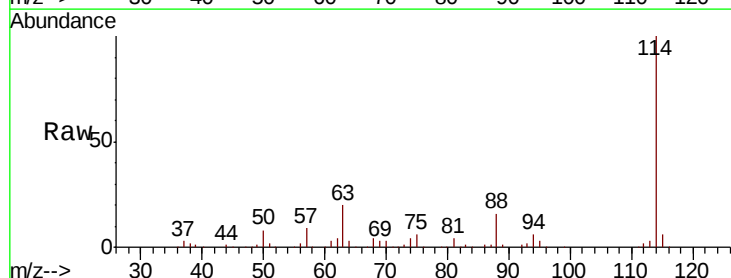
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

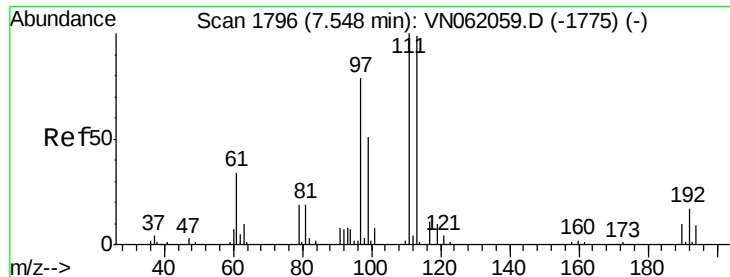
Tot Ion: 65 Resp: 139655
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062251.D
 Acq: 30 Jun 2020 19:52

Tgt Ion: 114 Resp: 346762
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 15.8 0.0 30.8

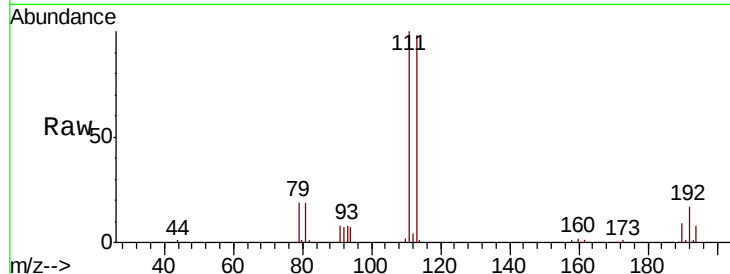




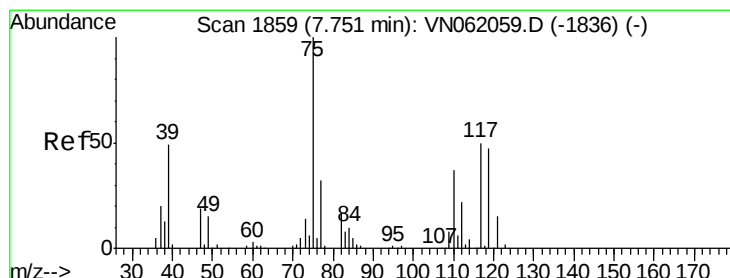
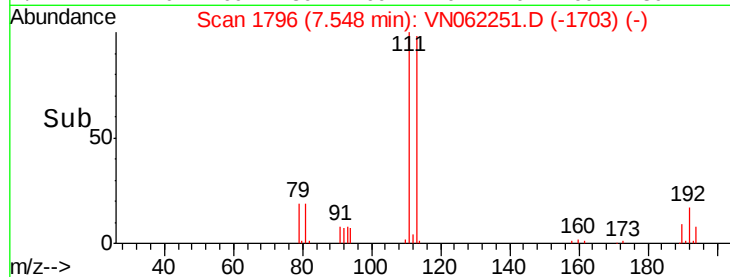
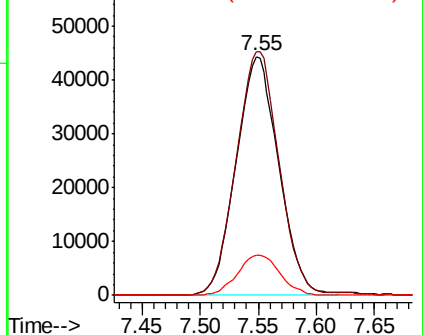
#35
 Dibromofluoromethane
 Concen: 50.907 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062251.D
 Acq: 30 Jun 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Tot Ion:113 Resp: 113250
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 16.8 14.0 21.0

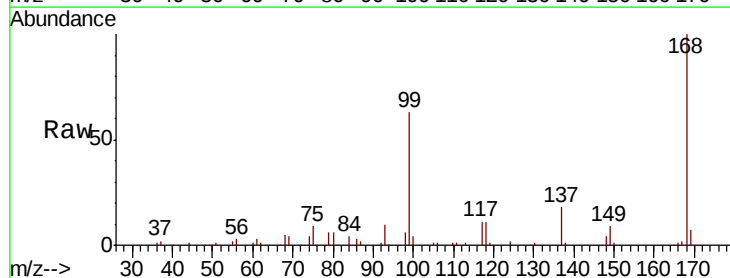


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

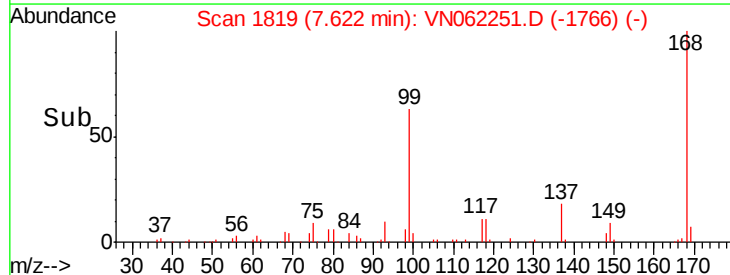
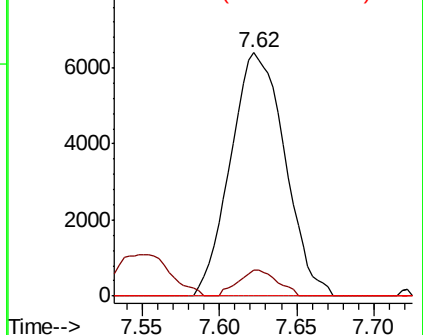


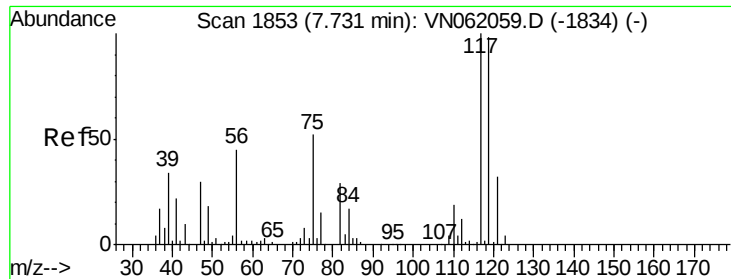
#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062251.D
 Acq: 30 Jun 2020 19:52

Tgt Ion: 75 Resp: 15640
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.9 53.8#
 77 0.0 24.9 37.3#



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: 5.518 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

MW-6

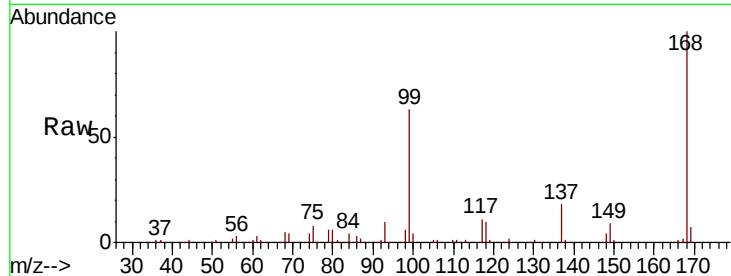
Tot Ion:117 Resp: 18132

Ion Ratio Lower Upper

117 100

119 6.5 78.2 117.2#

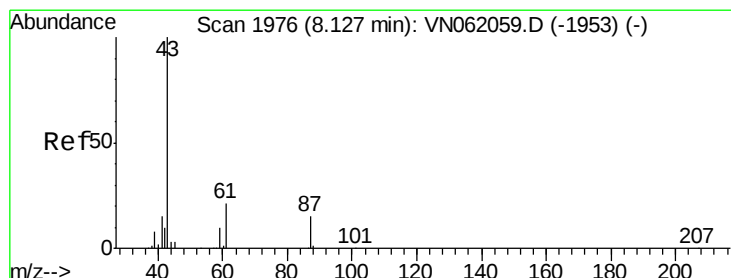
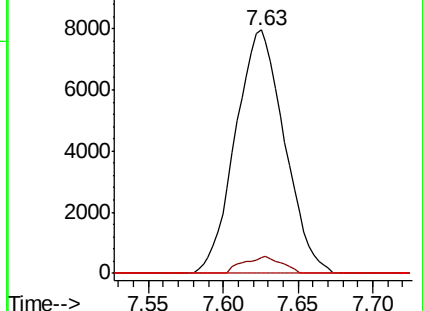
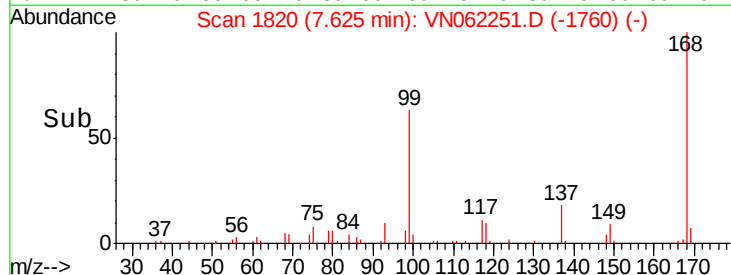
121 0.0 25.8 38.6#



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



#43

Isopropyl Acetate

Concen: 2.589 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.04 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

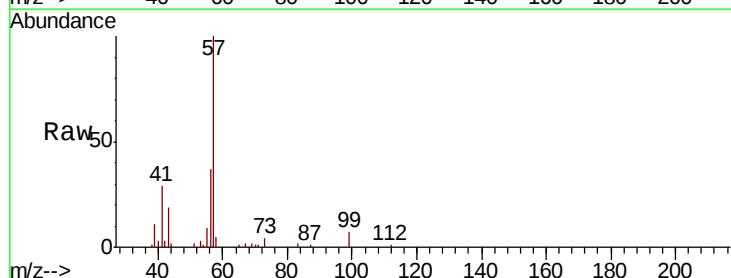
Tgt Ion: 43 Resp: 12181

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

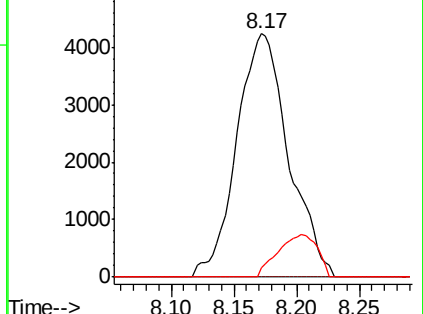
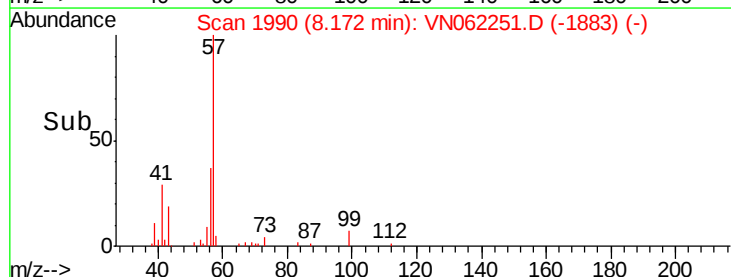
87 0.0 12.1 18.1#

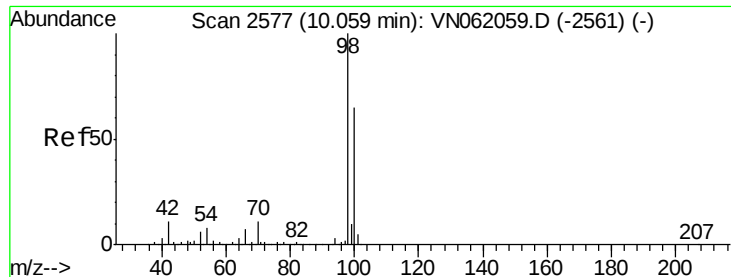


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 49.353 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

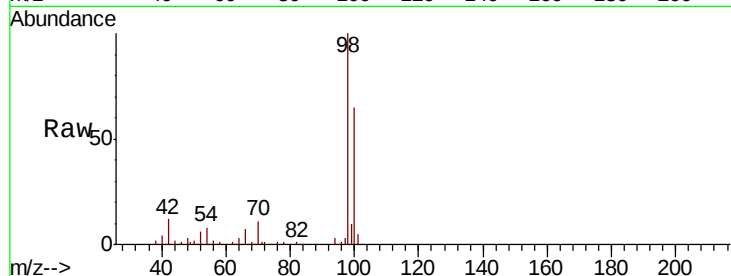
MW-6

Tot Ion: 98 Resp: 438875

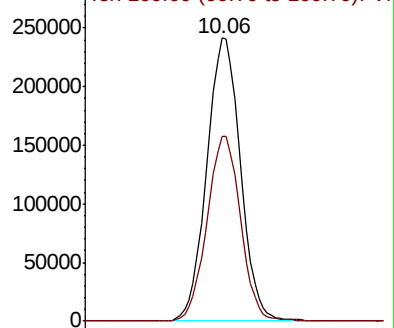
Ion Ratio Lower Upper

98 100

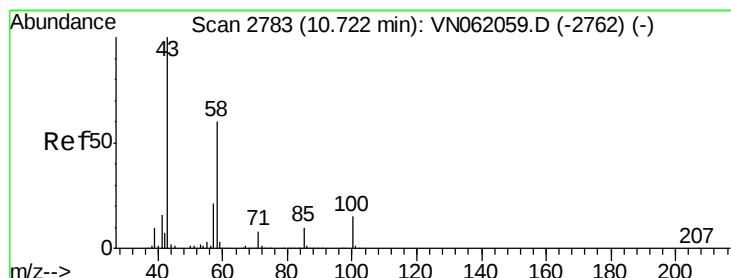
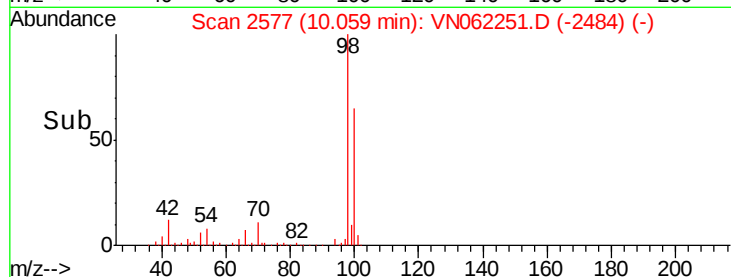
100 65.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)



Time-->



#59

2-Hexanone

Concen: 0.577 ug/l

RT: 10.58 min Scan# 2740

Delta R.T. -0.14 min

Lab File: VN062251.D

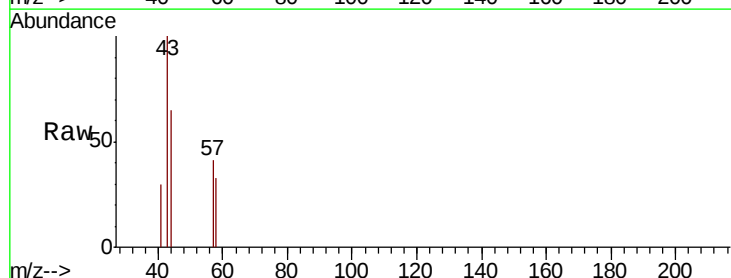
Acq: 30 Jun 2020 19:52

Tgt Ion: 43 Resp: 1145

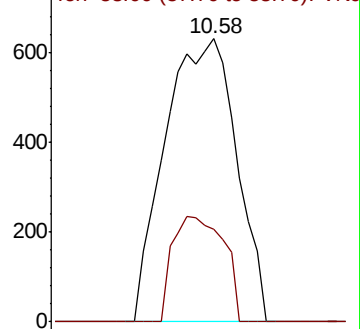
Ion Ratio Lower Upper

43 100

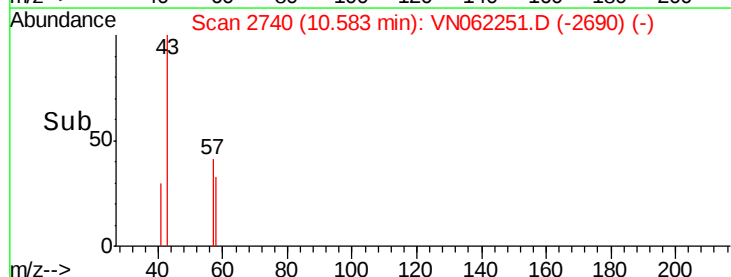
58 26.8 29.5 88.5#

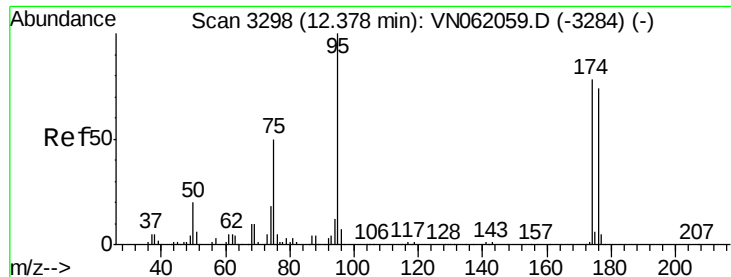


Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2762) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 44.341 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

MW-6

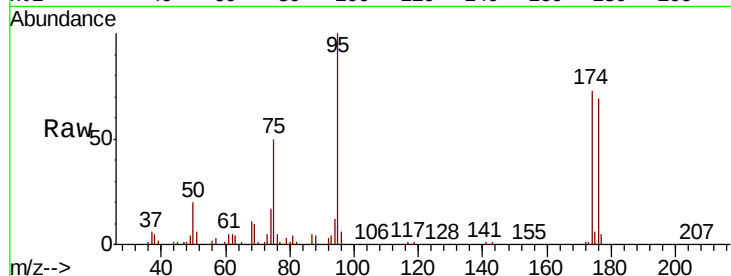
Tot Ion: 95 Resp: 133221

Ion Ratio Lower Upper

95 100

174 74.4 0.0 154.8

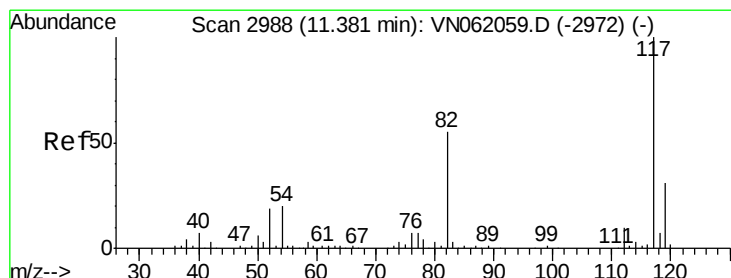
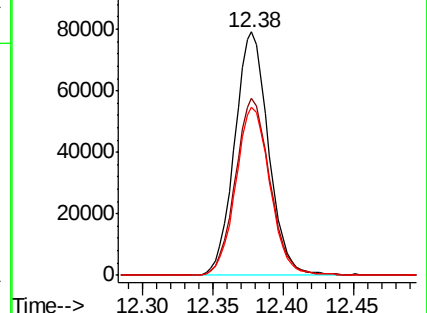
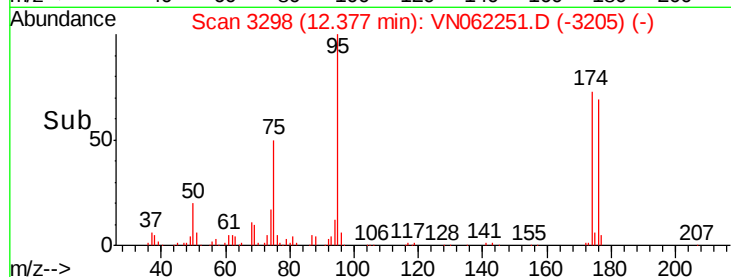
176 70.4 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062251.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062251.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062251.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

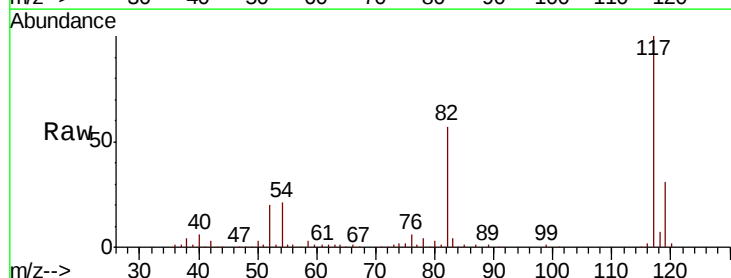
Tgt Ion: 117 Resp: 325430

Ion Ratio Lower Upper

117 100

82 57.2 43.8 65.8

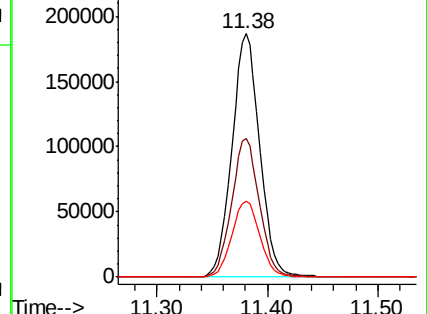
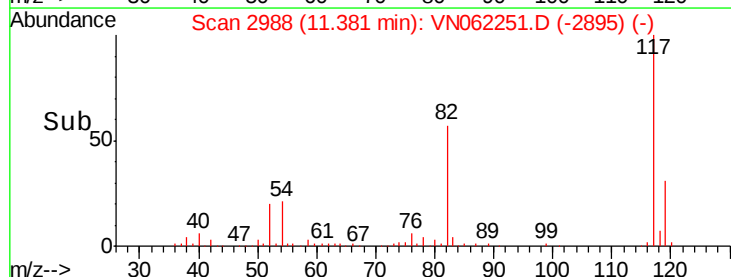
119 31.3 25.2 37.8

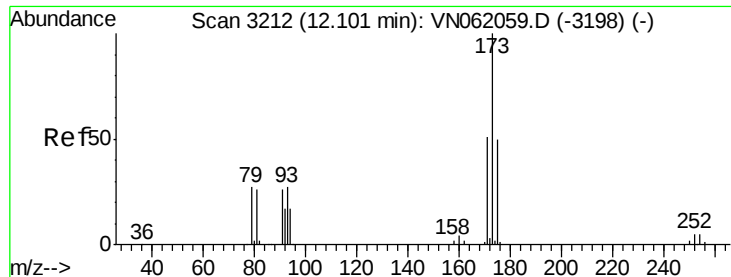


Abundance Ion 116.90 (116.60 to 117.60): VN062251.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062251.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062251.D (-2895) (-)





#71

Bromoform

Concen: 0.573 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6

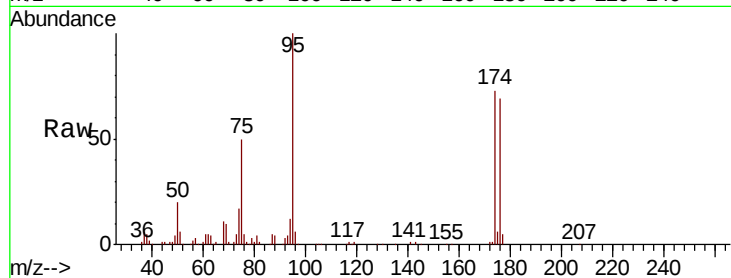
Tot Ion:173 Resp: 1007

Ion Ratio Lower Upper

173 100

175 624.3 24.7 74.1#

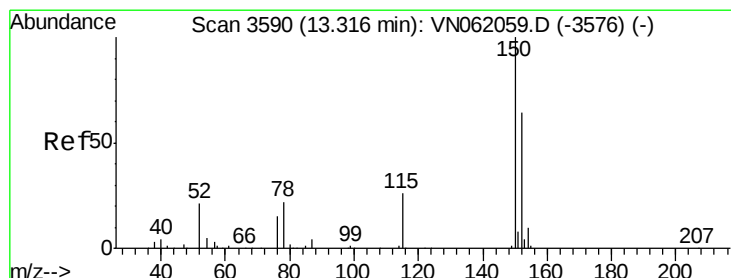
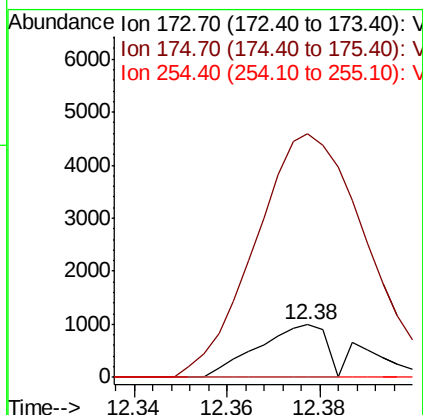
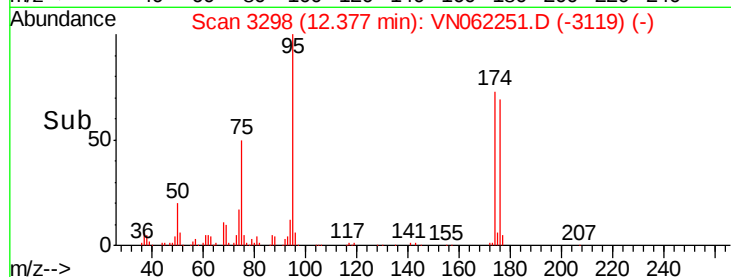
254 0.0 0.0 0.0



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: VN062251.D

Acq: 30 Jun 2020 19:52

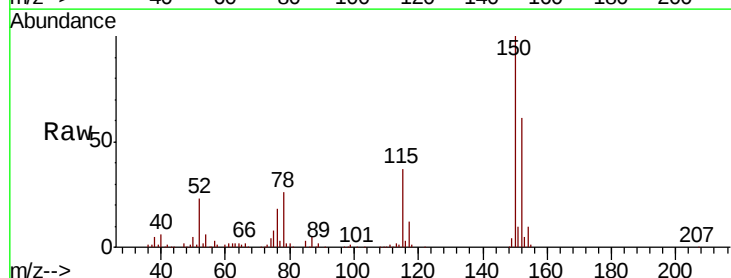
Tgt Ion:152 Resp: 105890

Ion Ratio Lower Upper

152 100

115 61.5 29.5 88.5

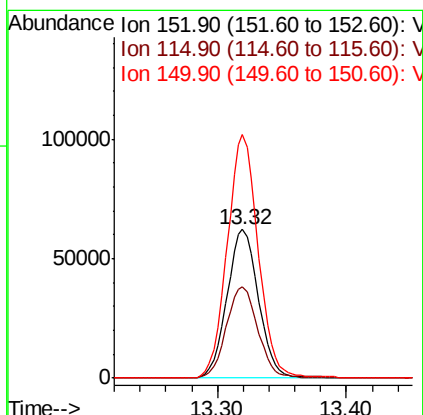
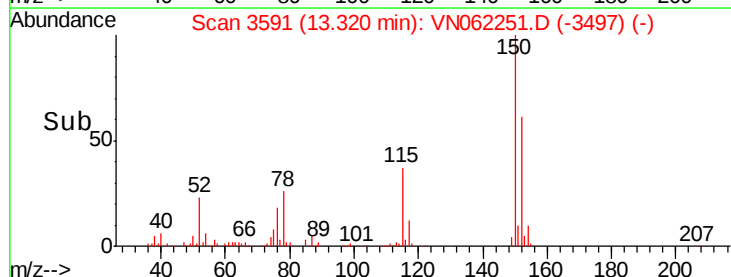
150 160.5 0.0 351.4

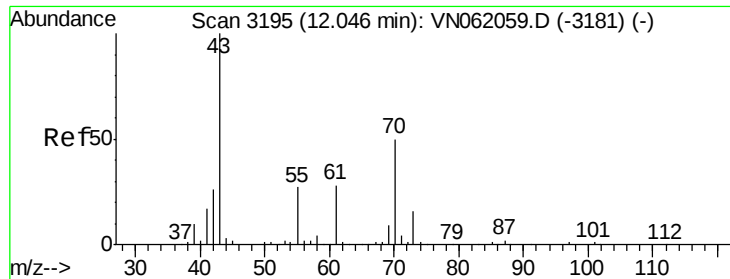


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.352 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.09 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion: 43 Resp: 30

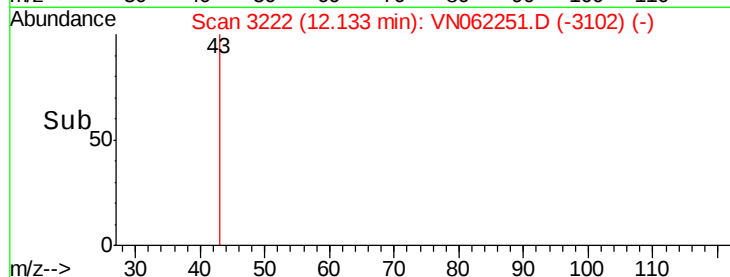
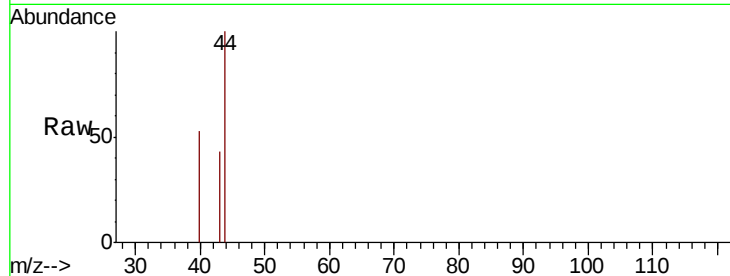
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

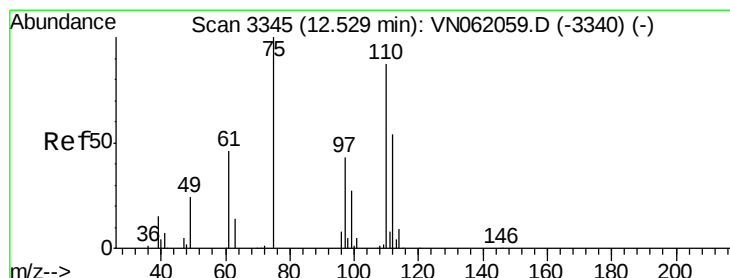
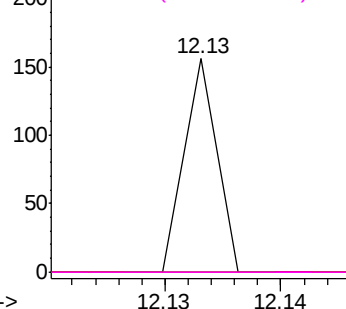


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.574 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062251.D

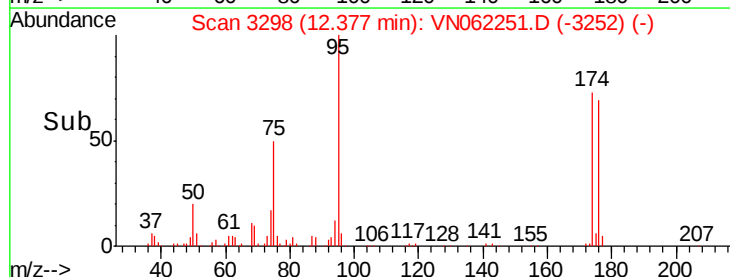
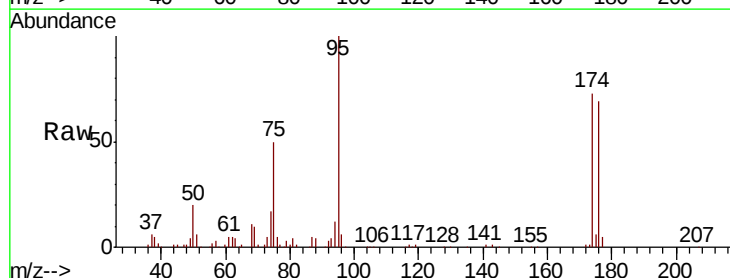
Acq: 30 Jun 2020 19:52

Tgt Ion: 75 Resp: 68734

Ion Ratio Lower Upper

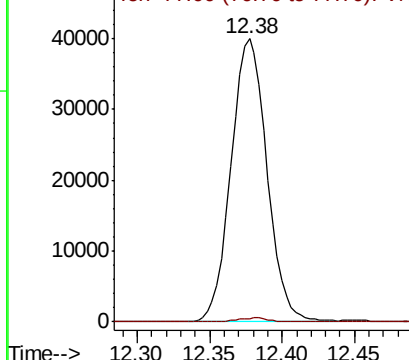
75 100

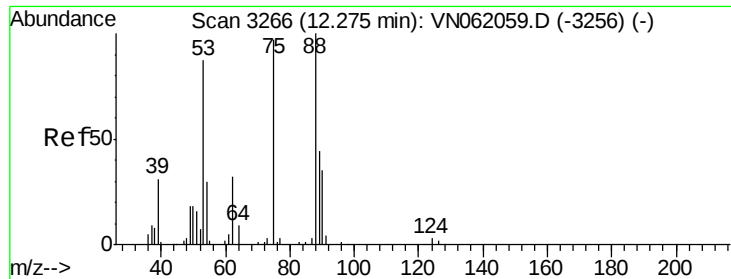
77 1.1 0.0 0.0#



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: 80.526 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062251.D

Acq: 30 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tot Ion: 75 Resp: 68734

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

