

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061976.D
 Acq On : 20 Jun 2020 4:51
 Operator : JC/MD
 Sample : L3043-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D1-20200616

Quant Time: Jun 22 00:42:15 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	141794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91164	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	96785	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	7.55	113	83438	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.06	98	326556	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.38	95	104295	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

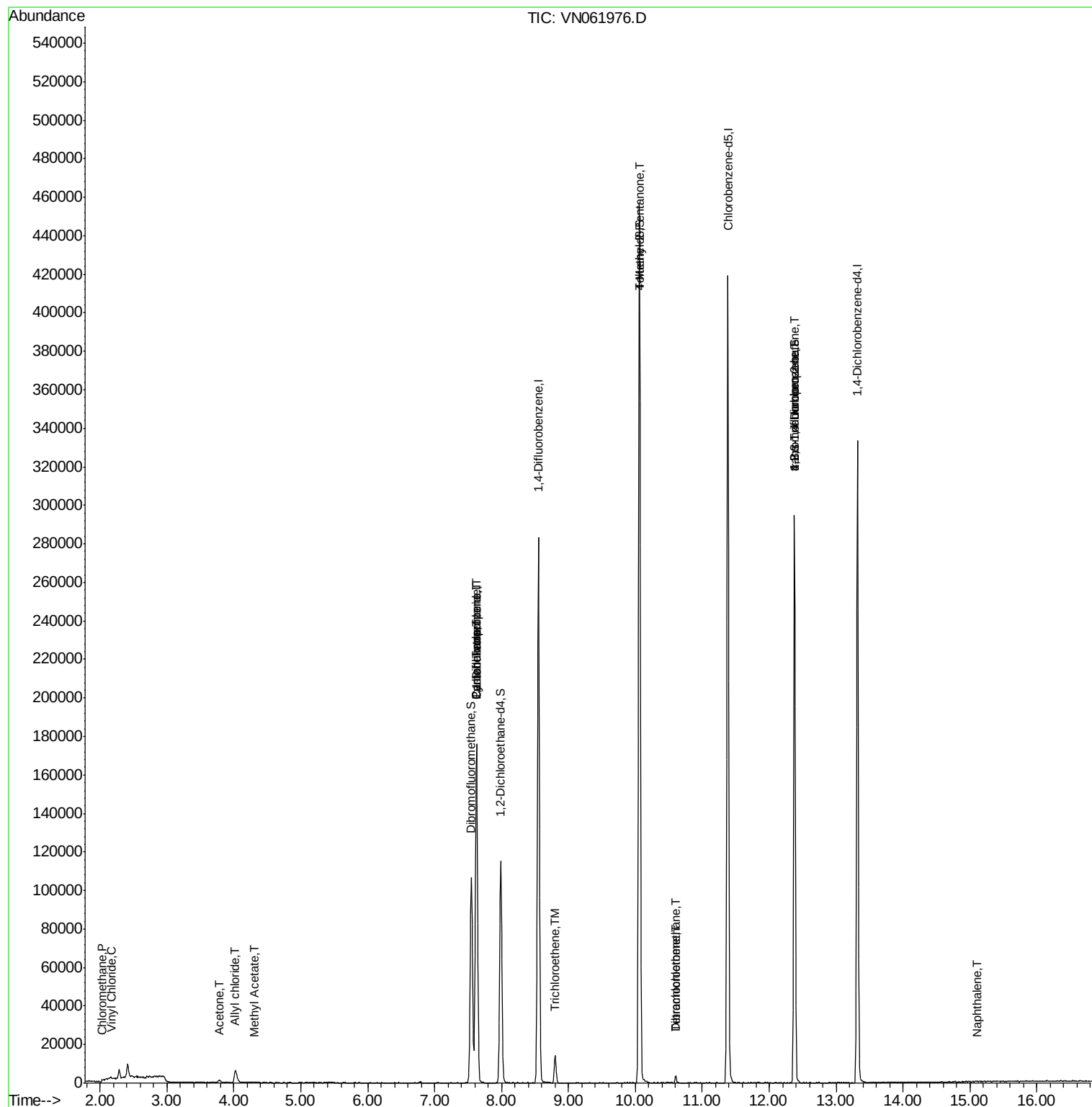
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	544	0.276	ug/l	92
4) Vinyl Chloride	2.16	62	894	0.381	ug/l	98
14) Allyl chloride	4.02	41	488	0.255	ug/l #	55
16) Acetone	3.78	43	2574	4.582	ug/l #	85
18) Methyl Acetate	4.30	43	611	0.378	ug/l #	46
31) Cyclohexane	7.63	56	3029	1.209	ug/l #	9
36) 1,1-Dichloropropene	7.62	75	11238	4.751	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14590	6.228	ug/l #	16
44) Trichloroethene	8.80	130	5507	2.920	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1192	0.648	ug/l #	1
60) Dibromochloromethane	10.60	129	781	0.395	ug/l #	11
64) Tetrachloroethene	10.61	164	835	0.533	ug/l	87
76) 1,2,3-Trichloropropane	12.38	75	51395	28.716	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51395	78.320	ug/l #	14
95) Naphthalene	15.11	128	67	3.497	ug/l #	69

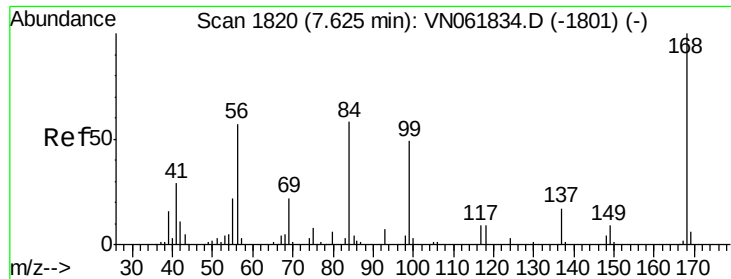
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

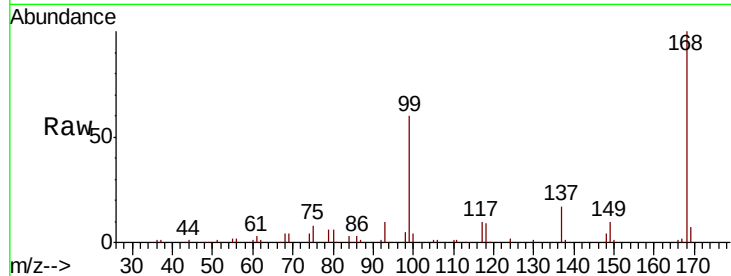
MW201D1-20200616

Tot Ion:168 Resp: 141794

Ion Ratio Lower Upper

168 100

99 59.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.63

60000

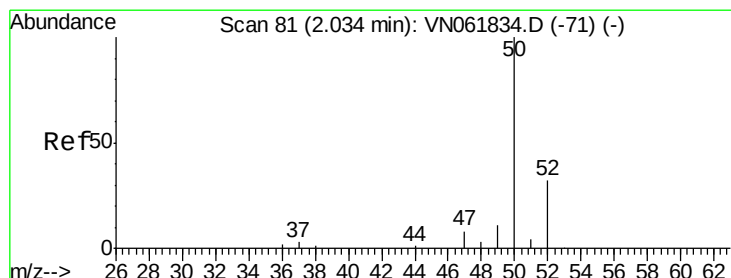
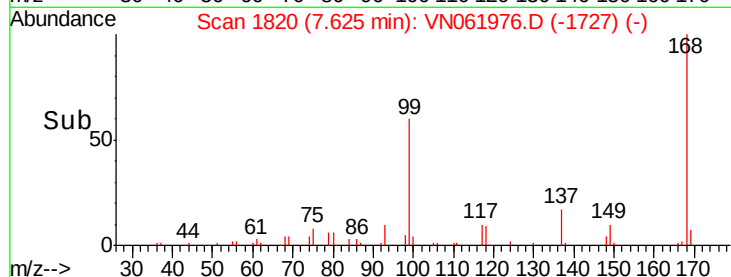
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.276 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061976.D

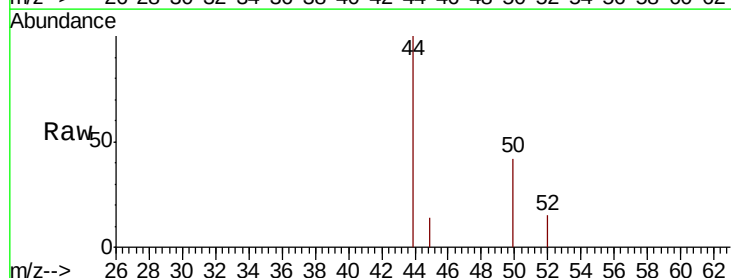
Acq: 20 Jun 2020 4:51

Tgt Ion: 50 Resp: 544

Ion Ratio Lower Upper

50 100

52 37.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN061834.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN061834.D (-71) (-)

2.03

500

400

300

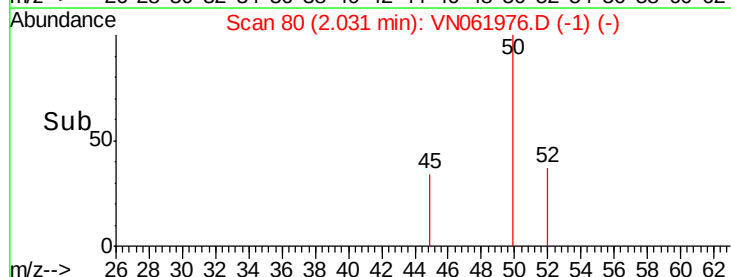
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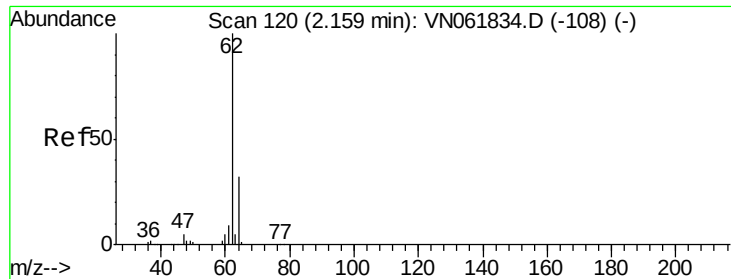
100

0

2.00 2.02 2.04 2.06

Time-->





#4

Vinyl Chloride

Concen: 0.381 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

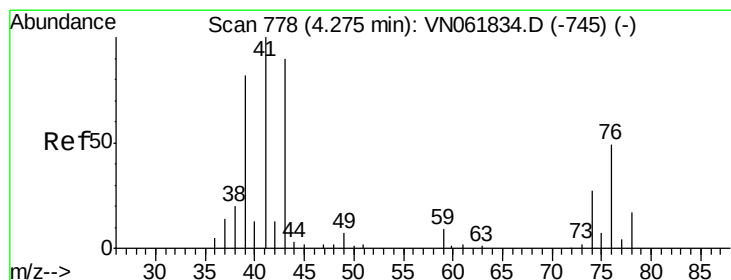
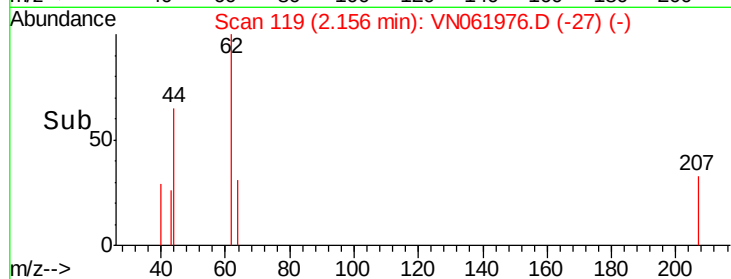
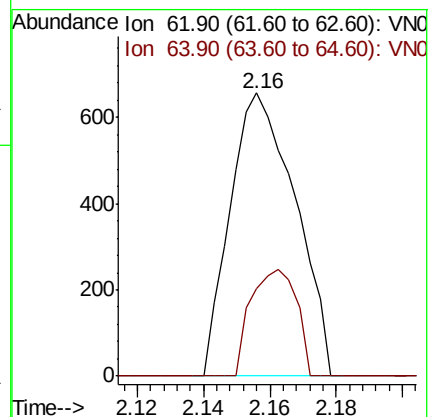
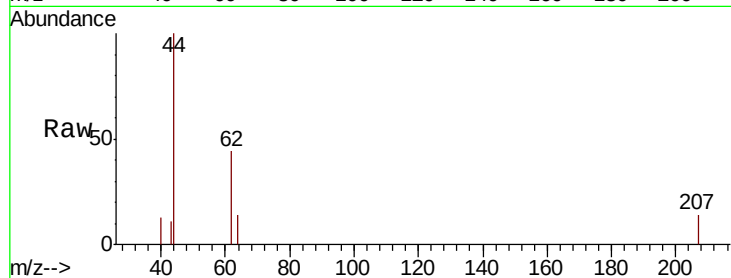
MW201D1-20200616

Tot Ion: 62 Resp: 894

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



#14

Allyl chloride

Concen: 0.255 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.26 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

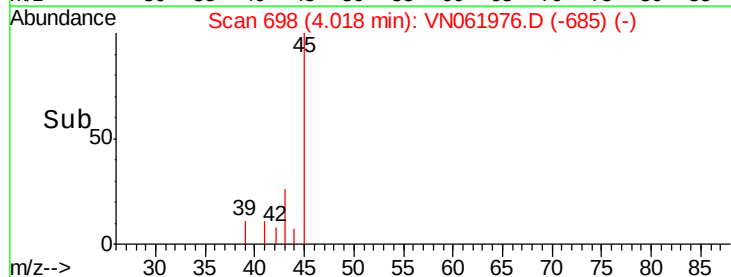
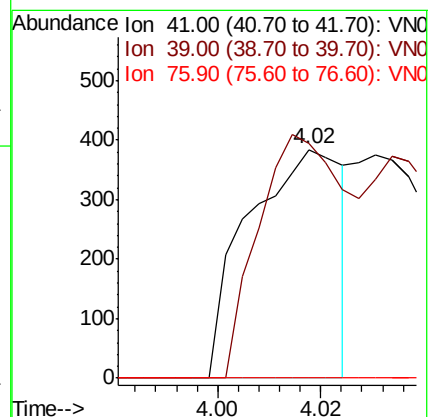
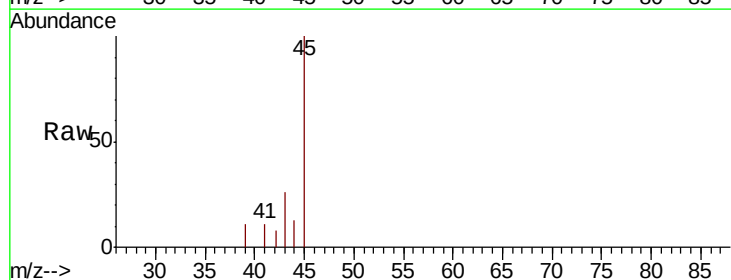
Tgt Ion: 41 Resp: 488

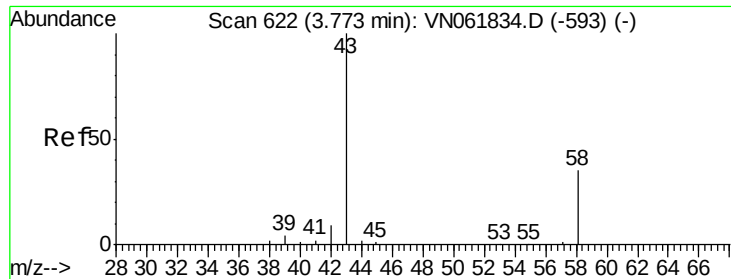
Ion Ratio Lower Upper

41 100

39 101.2 60.2 90.2#

76 0.0 36.3 54.5#





#16

Acetone

Concen: 4.582 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

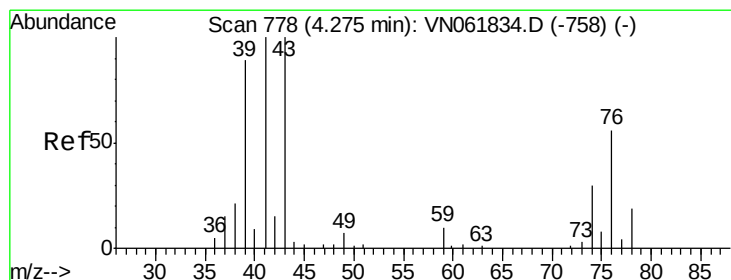
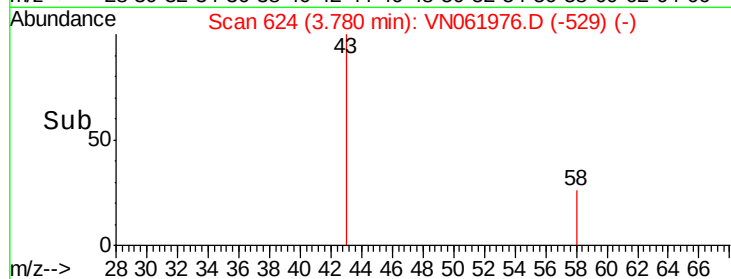
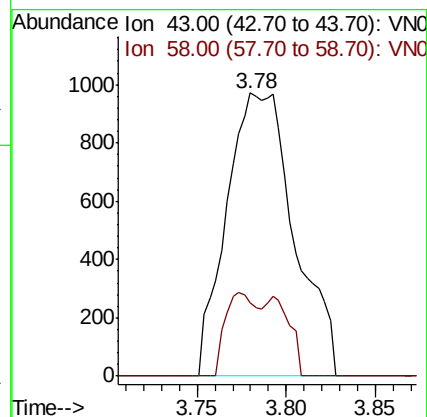
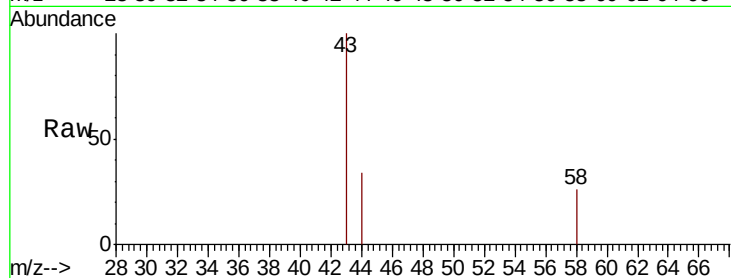
MW201D1-20200616

Tot Ion: 43 Resp: 2574

Ion Ratio Lower Upper

43 100

58 26.1 27.8 41.8#



#18

Methyl Acetate

Concen: 0.378 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.03 min

Lab File: VN061976.D

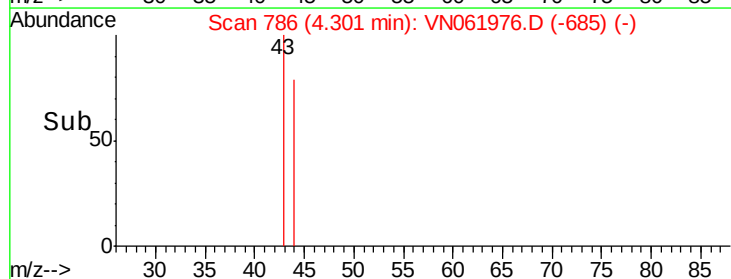
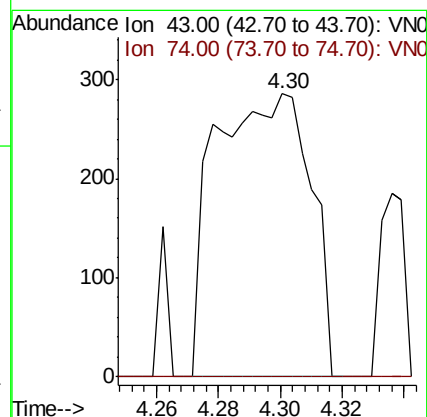
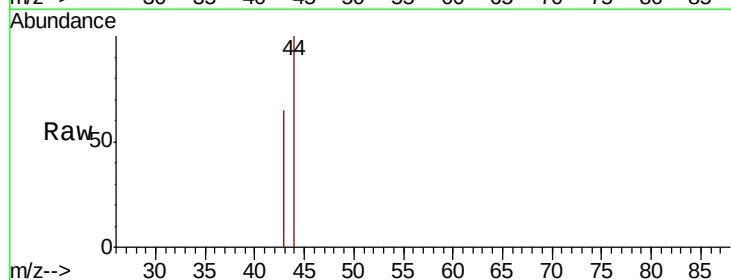
Acq: 20 Jun 2020 4:51

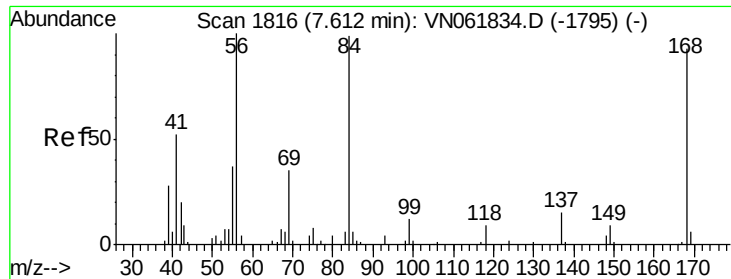
Tgt Ion: 43 Resp: 611

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#

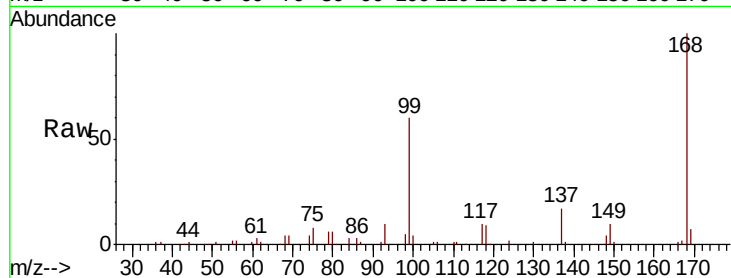




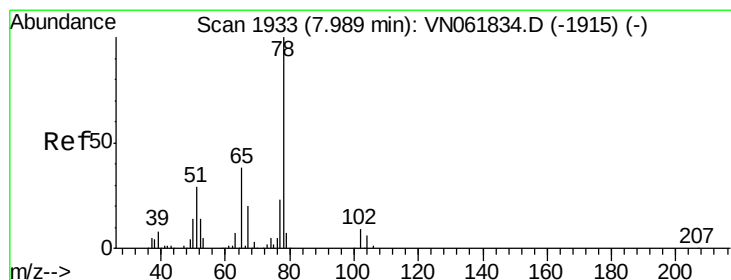
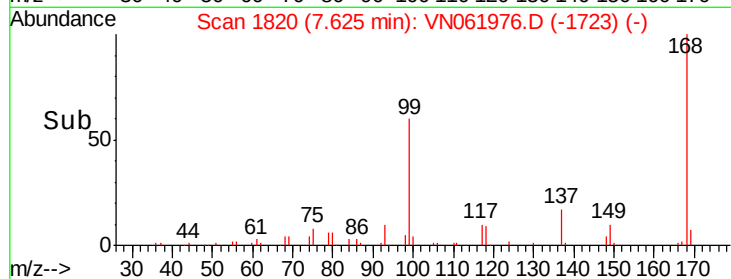
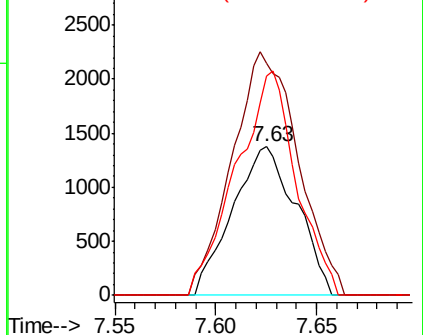
#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061976.D
Acq: 20 Jun 2020 4:51

Instrument :
MSVOA_N
ClientSampleId :
MW201D1-20200616

Tot Ion: 56 Resp: 3029
Ion Ratio Lower Upper
56 100
69 156.2 27.7 41.5#
84 147.8 79.1 118.7#

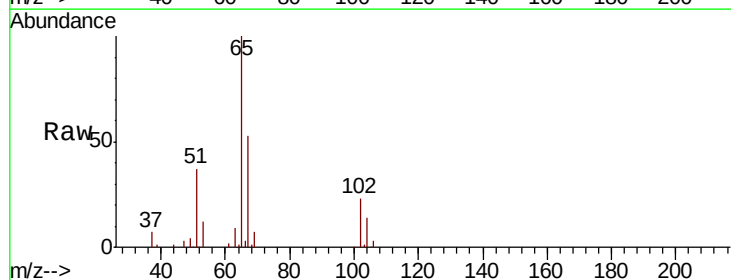


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

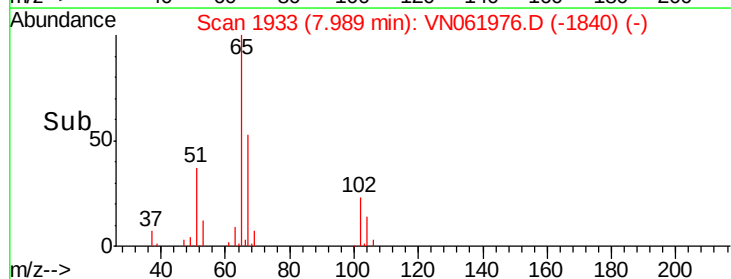
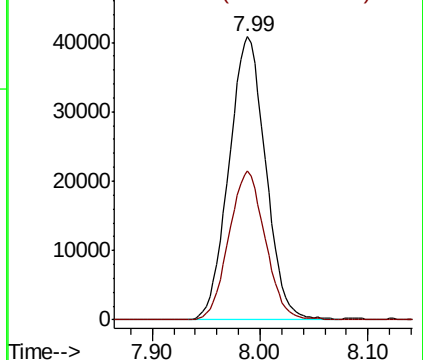


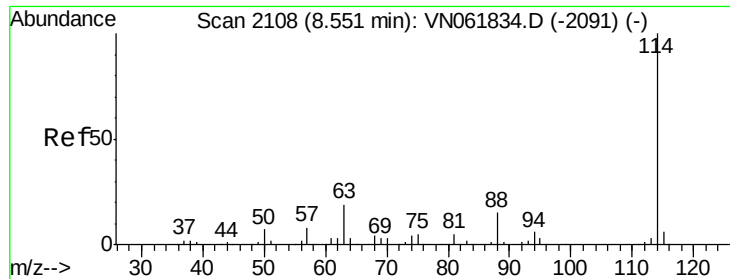
#33
1,2-Dichloroethane-d4
Concen: 50.895 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061976.D
Acq: 20 Jun 2020 4:51

Tgt Ion: 65 Resp: 96785
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

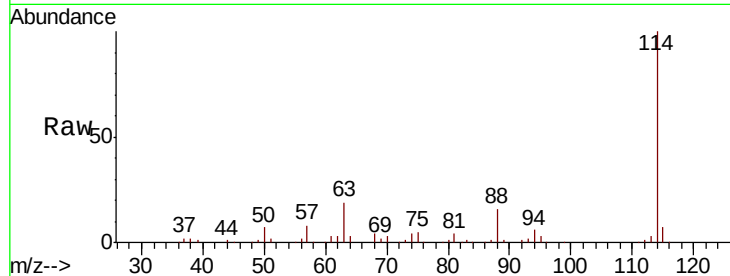




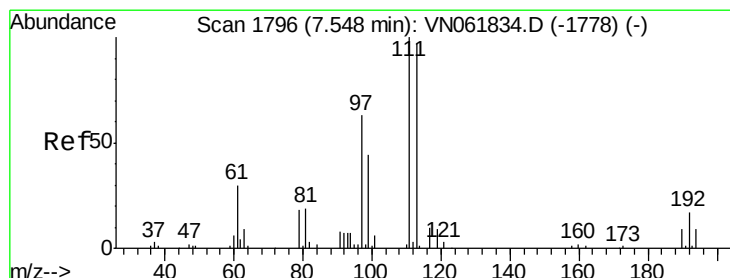
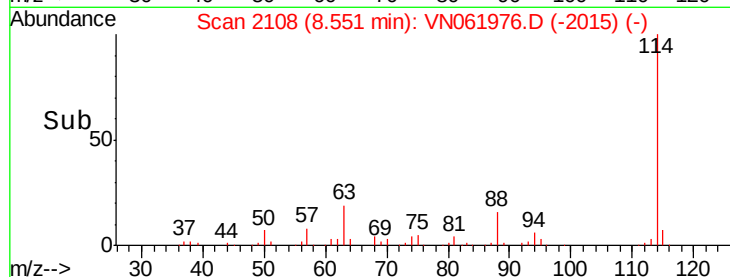
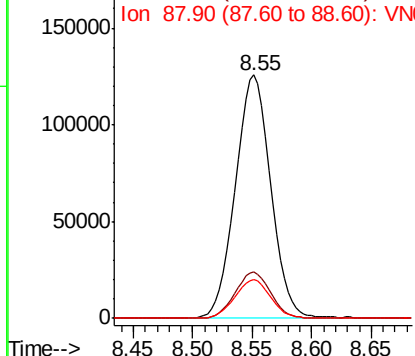
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061976.D
 Acq: 20 Jun 2020 4:51

Instrument :
 MSVOA_N
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 MW201D1-20200616

Tot Ion:114 Resp: 259358
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.9 0.0 31.0

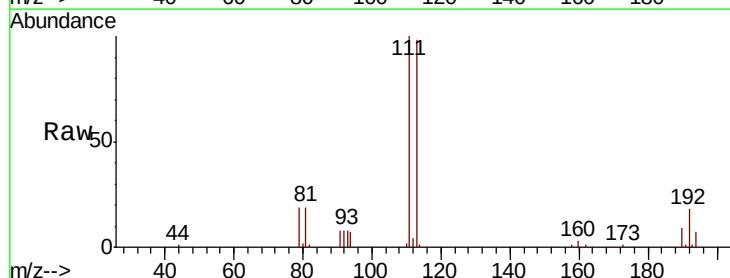


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

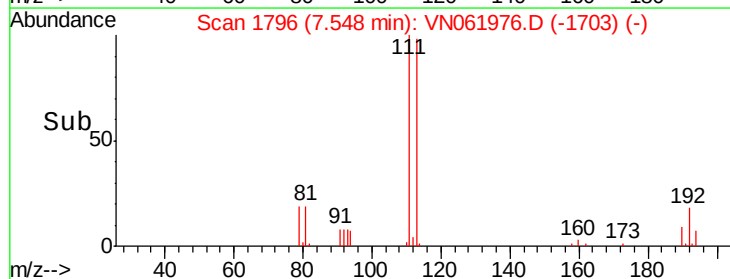
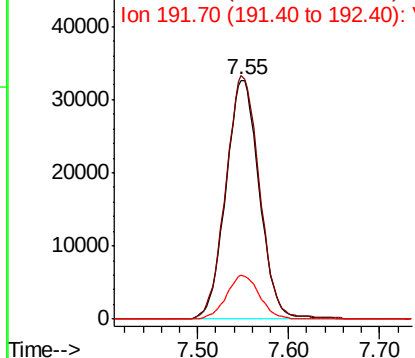


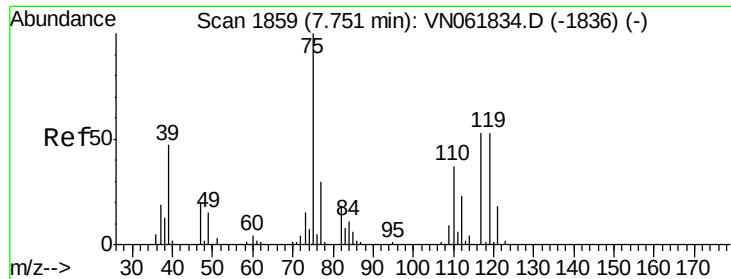
#35
 Dibromofluoromethane
 Concen: 50.287 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061976.D
 Acq: 20 Jun 2020 4:51

Tgt Ion:113 Resp: 83438
 Ion Ratio Lower Upper
 113 100
 111 102.7 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

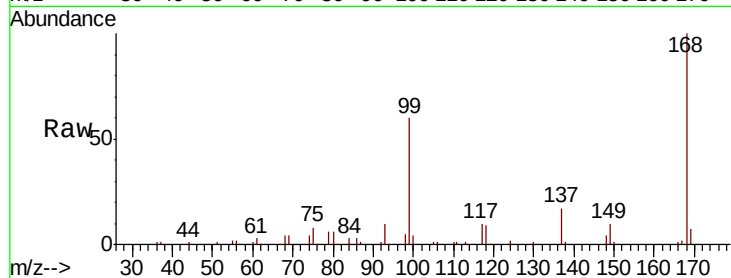




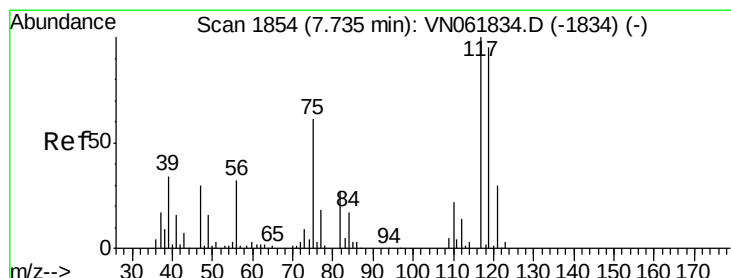
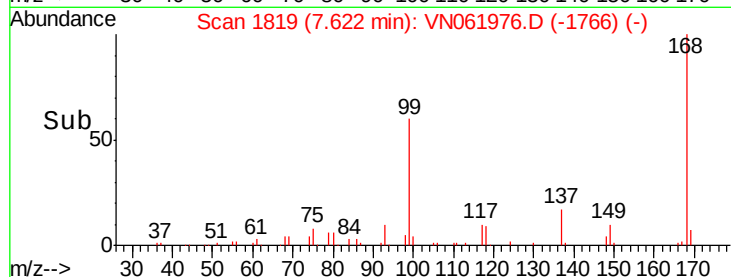
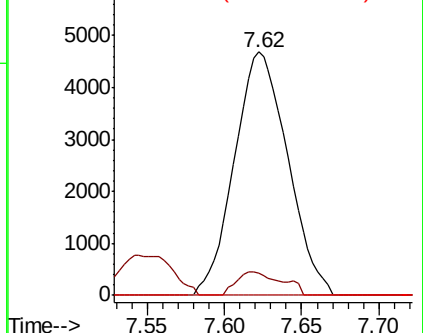
#36
 1,1-Dichloropropene
 Concen: 4.751 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061976.D
 Acq: 20 Jun 2020 4:51

Instrument :
 MSVOA_N
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 MW201D1-20200616

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.2	54.6#
77	0.0	24.2	36.4#

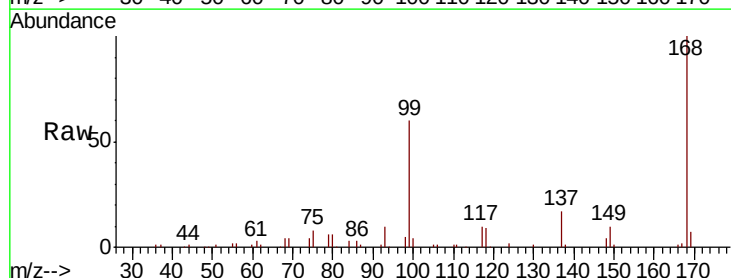


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

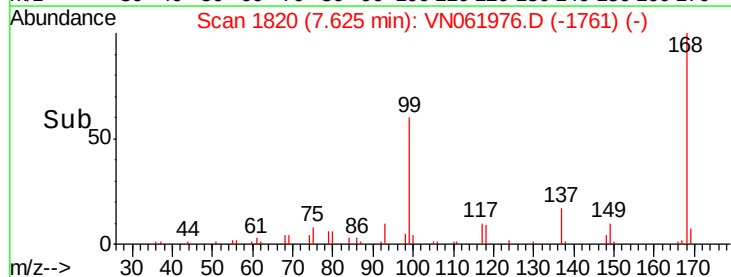
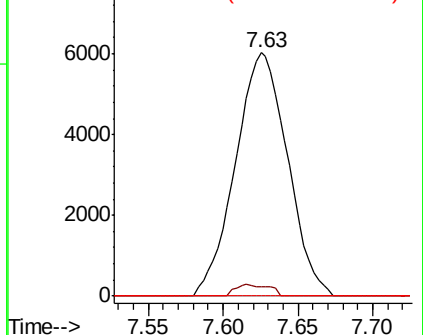


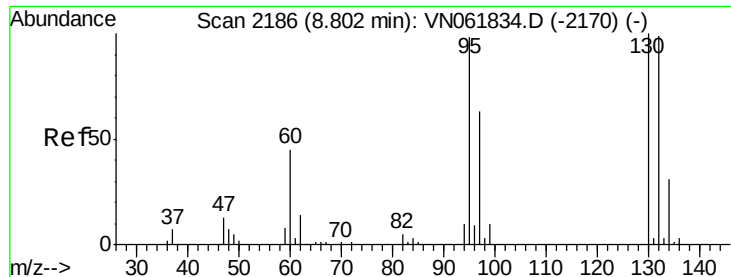
#38
 Carbon Tetrachloride
 Concen: 6.228 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061976.D
 Acq: 20 Jun 2020 4:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	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: 2.920 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

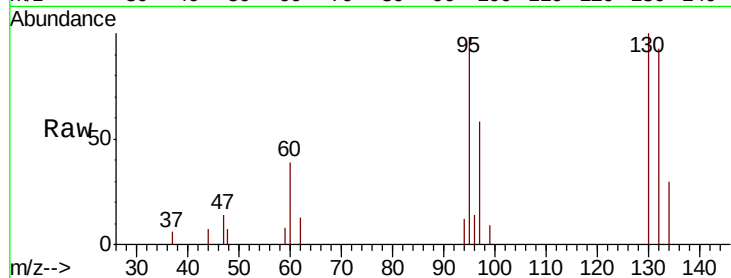
MW201D1-20200616

Tot Ion:130 Resp: 5507

Ion Ratio Lower Upper

130 100

95 98.5 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

8.80

2500

2000

1500

1000

500

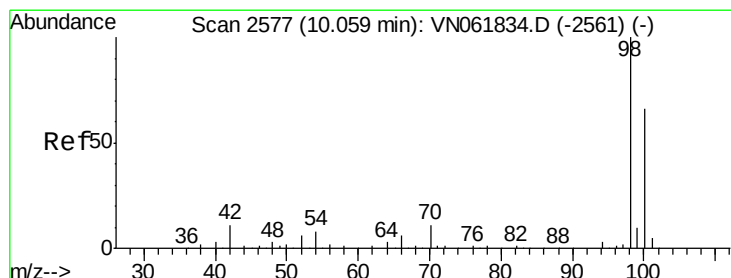
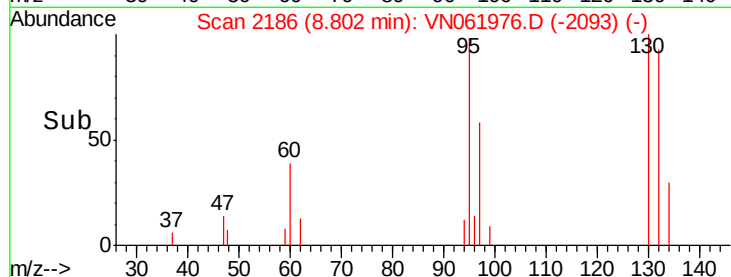
0

8.75

8.80

8.85

Time-->



#50

Toluene-d8

Concen: 50.061 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061976.D

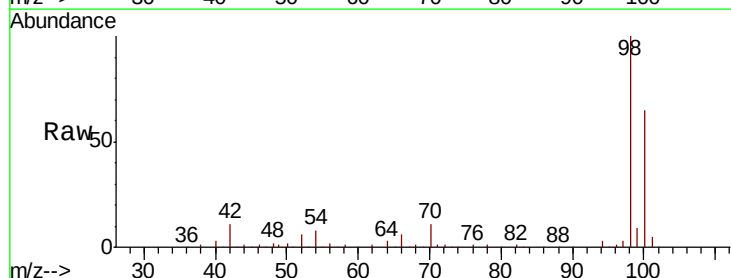
Acq: 20 Jun 2020 4:51

Tgt Ion: 98 Resp: 326556

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

200000

150000

100000

50000

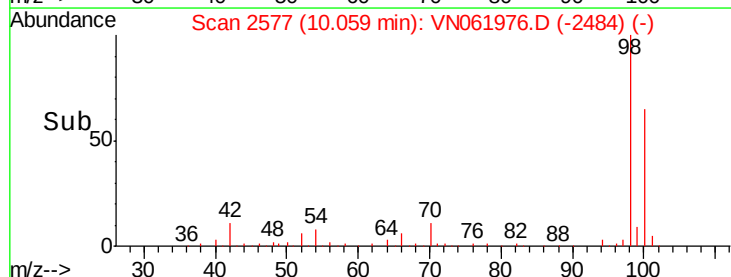
0

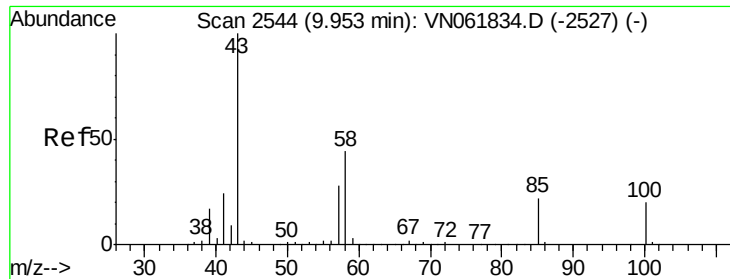
10.00

10.06

10.10

Time-->

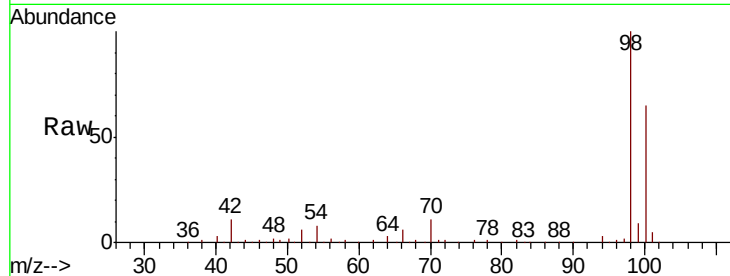




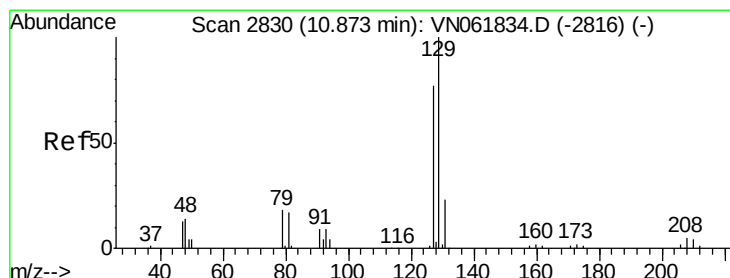
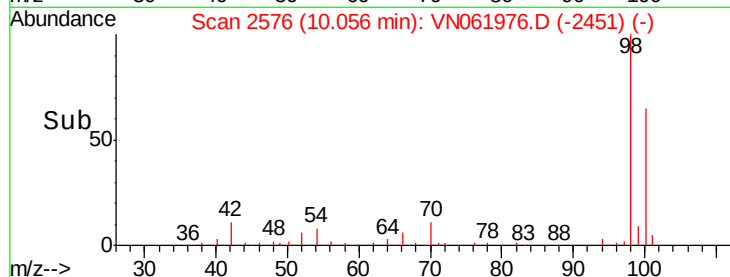
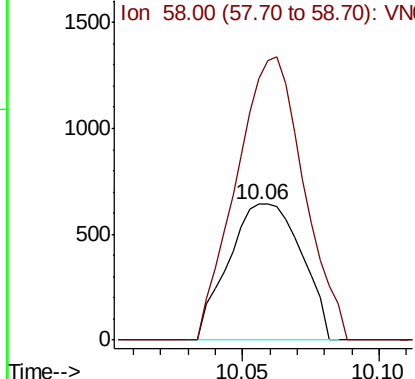
#51
 4-Methyl-2-Pentanone
 Concen: 0.648 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. 0.10 min
 Lab File: VN061976.D
 Acq: 20 Jun 2020 4:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D1-20200616

Tot Ion: 43 Resp: 1192
 Ion Ratio Lower Upper
 43 100
 58 192.4 34.6 52.0#

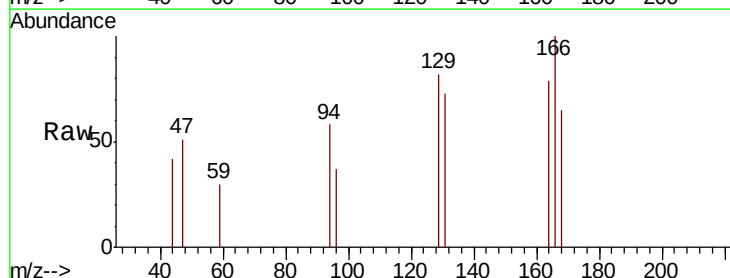


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)
 Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

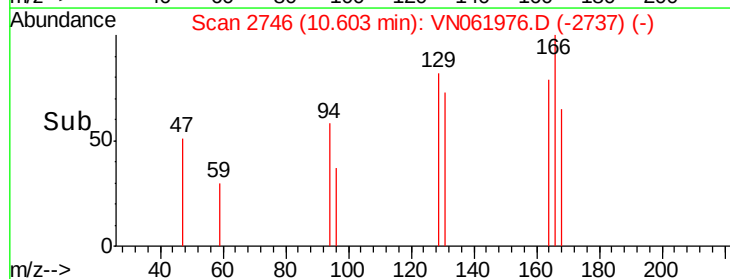
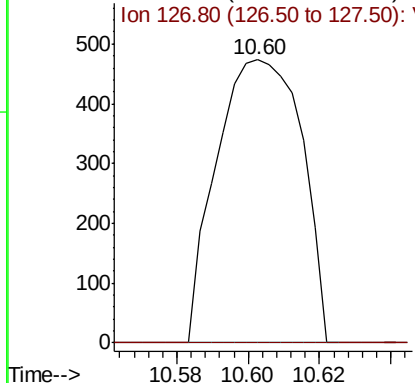


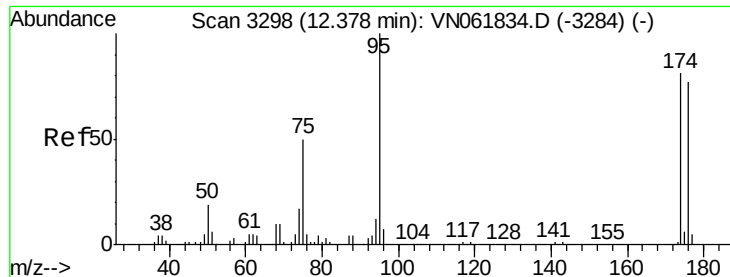
#60
 Dibromochloromethane
 Concen: 0.395 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. -0.27 min
 Lab File: VN061976.D
 Acq: 20 Jun 2020 4:51

Tgt Ion: 129 Resp: 781
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VN061834.D (-2816) (-)
 Ion 126.80 (126.50 to 127.50): VN061834.D (-2816) (-)





#62

4-Bromofluorobenzene

Concen: 46.612 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20200616

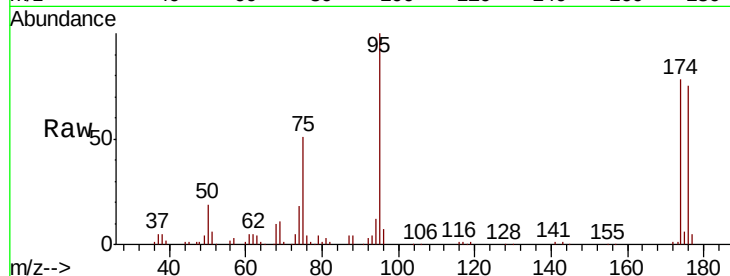
Tot Ion: 95 Resp: 104295

Ion Ratio Lower Upper

95 100

174 78.2 0.0 158.6

176 74.3 0.0 152.0

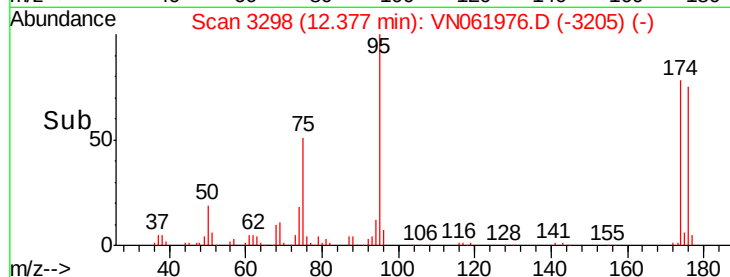


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

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

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

Time-->



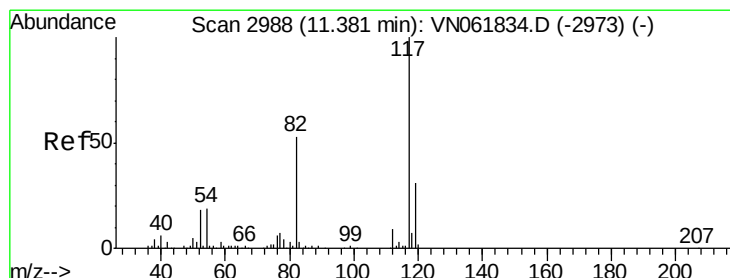
Abundance

Ion 94.90 (94.60 to 95.60): VN061976.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061976.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061976.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

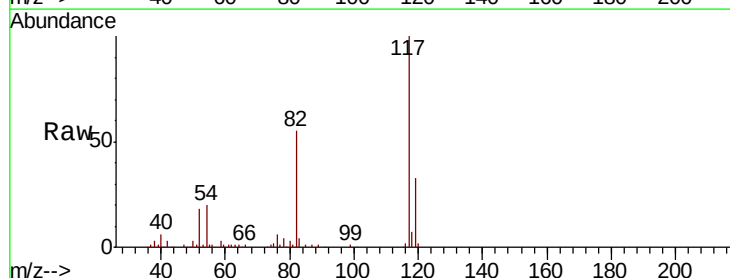
Tgt Ion: 117 Resp: 245623

Ion Ratio Lower Upper

117 100

82 54.7 42.6 64.0

119 32.7 24.7 37.1

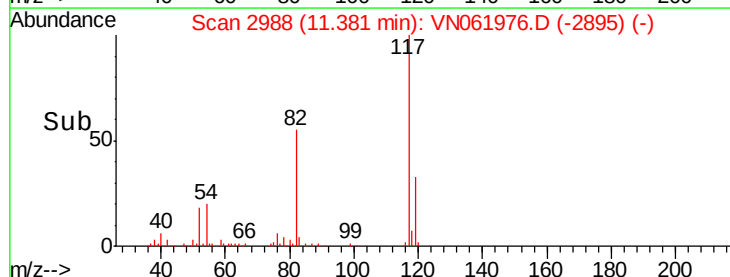


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

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

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

Time-->



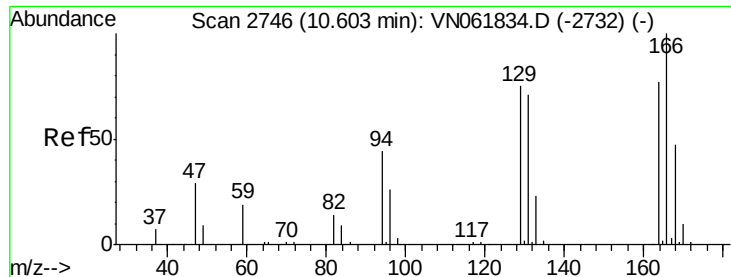
Abundance

Ion 116.90 (116.60 to 117.60): VN061976.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061976.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061976.D (-2895) (-)

Time-->



#64

Tetrachloroethene

Concen: 0.533 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. 0.01 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20200616

Tot Ion:164 Resp: 835

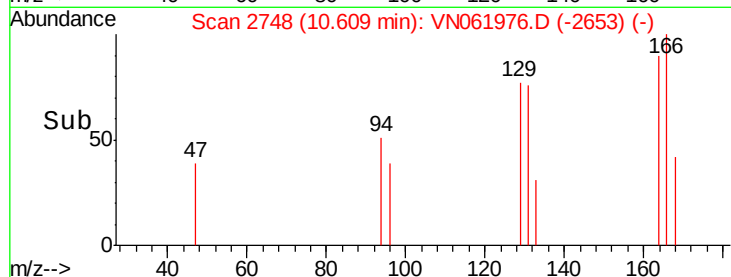
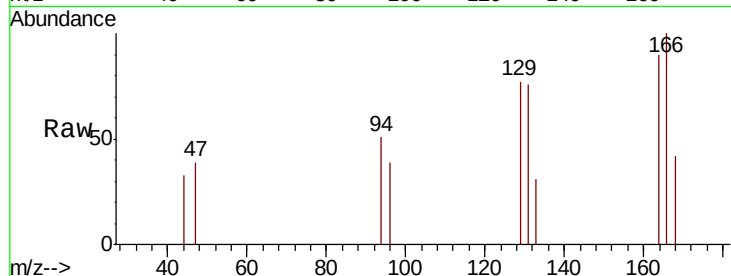
Ion Ratio Lower Upper

164 100

166 110.8 103.5 155.3

129 85.0 77.5 116.3

131 84.2 73.8 110.8

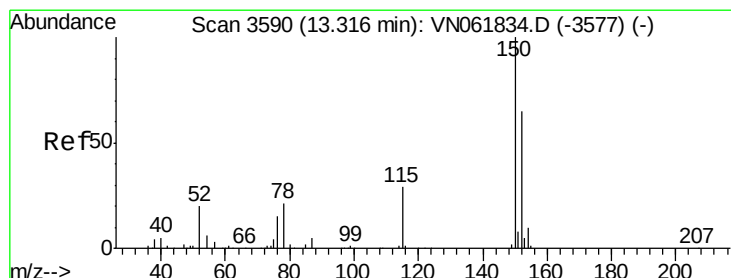
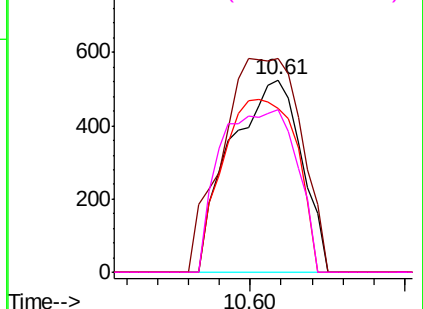


Abundance Ion 163.80 (163.50 to 164.50): V

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: VN061976.D

Acq: 20 Jun 2020 4:51

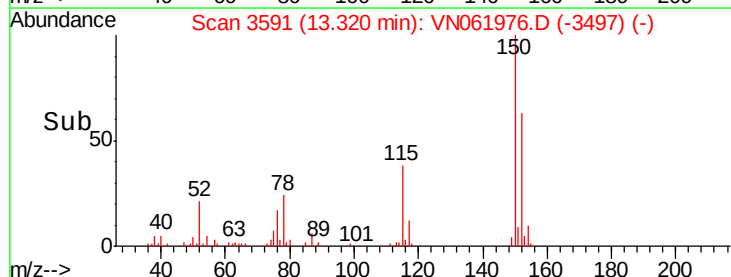
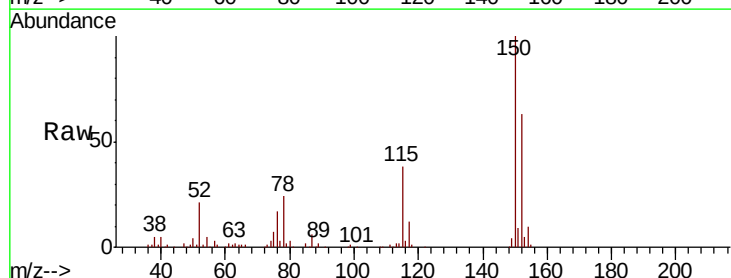
Tgt Ion:152 Resp: 91164

Ion Ratio Lower Upper

152 100

115 59.1 29.1 87.3

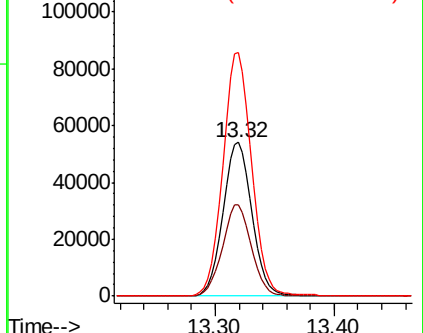
150 156.9 0.0 347.6

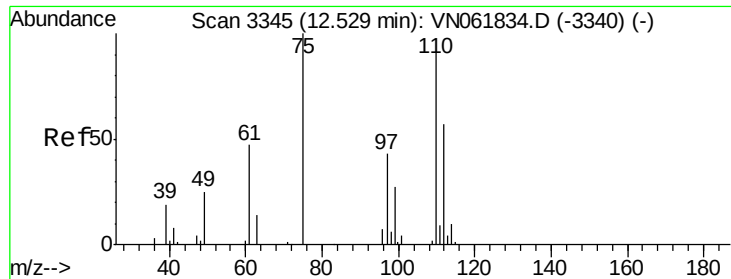


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.716 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

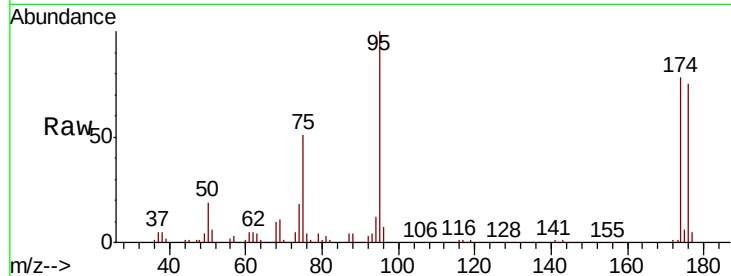
MW201D1-20200616

Tot Ion: 75 Resp: 51395

Ion Ratio Lower Upper

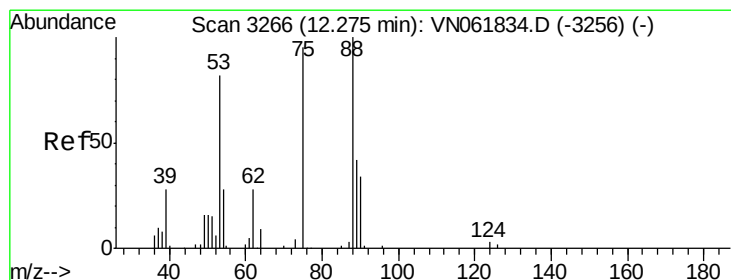
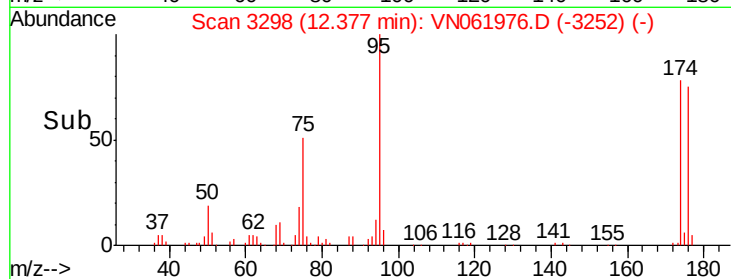
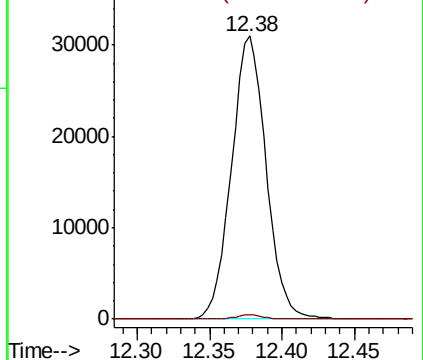
75 100

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: 78.320 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061976.D

Acq: 20 Jun 2020 4:51

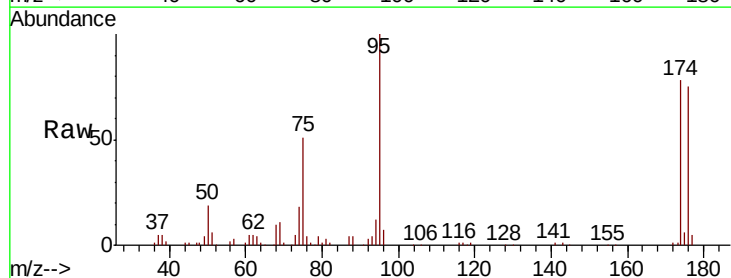
Tgt Ion: 75 Resp: 51395

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

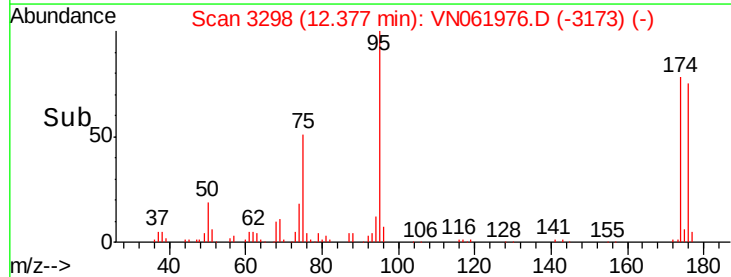
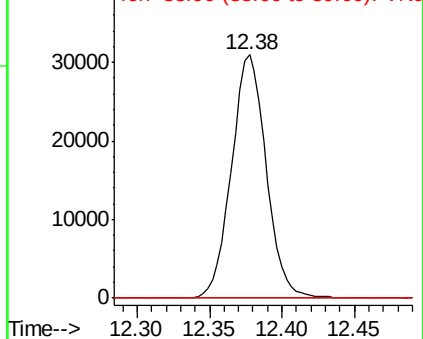
89 0.0 36.0 54.0#

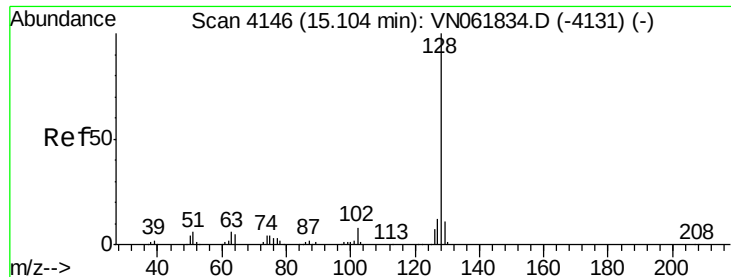


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.497 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061976.D

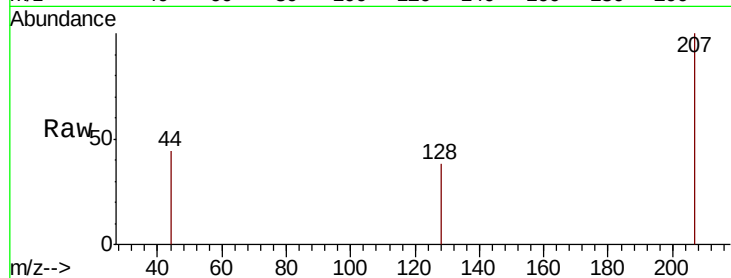
Acq: 20 Jun 2020 4:51

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20200616



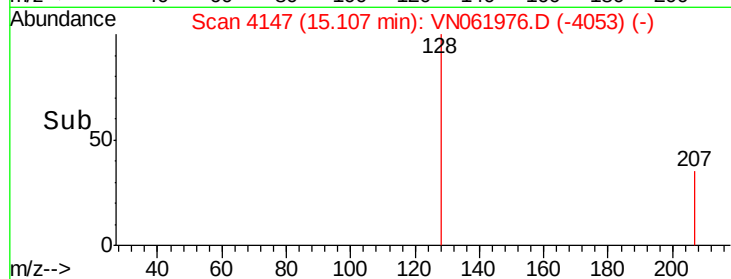
Tot Ion:128 Resp: 67

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

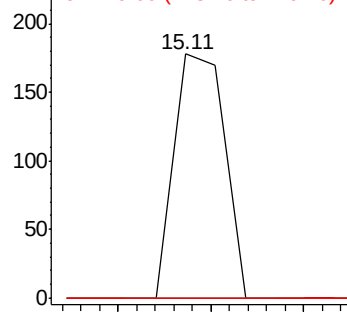
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->