

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056230.D
 Acq On : 11 Jun 2019 18:08
 Operator : JC/SP
 Sample : K3284-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609

Quant Time: Jun 12 06:35:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

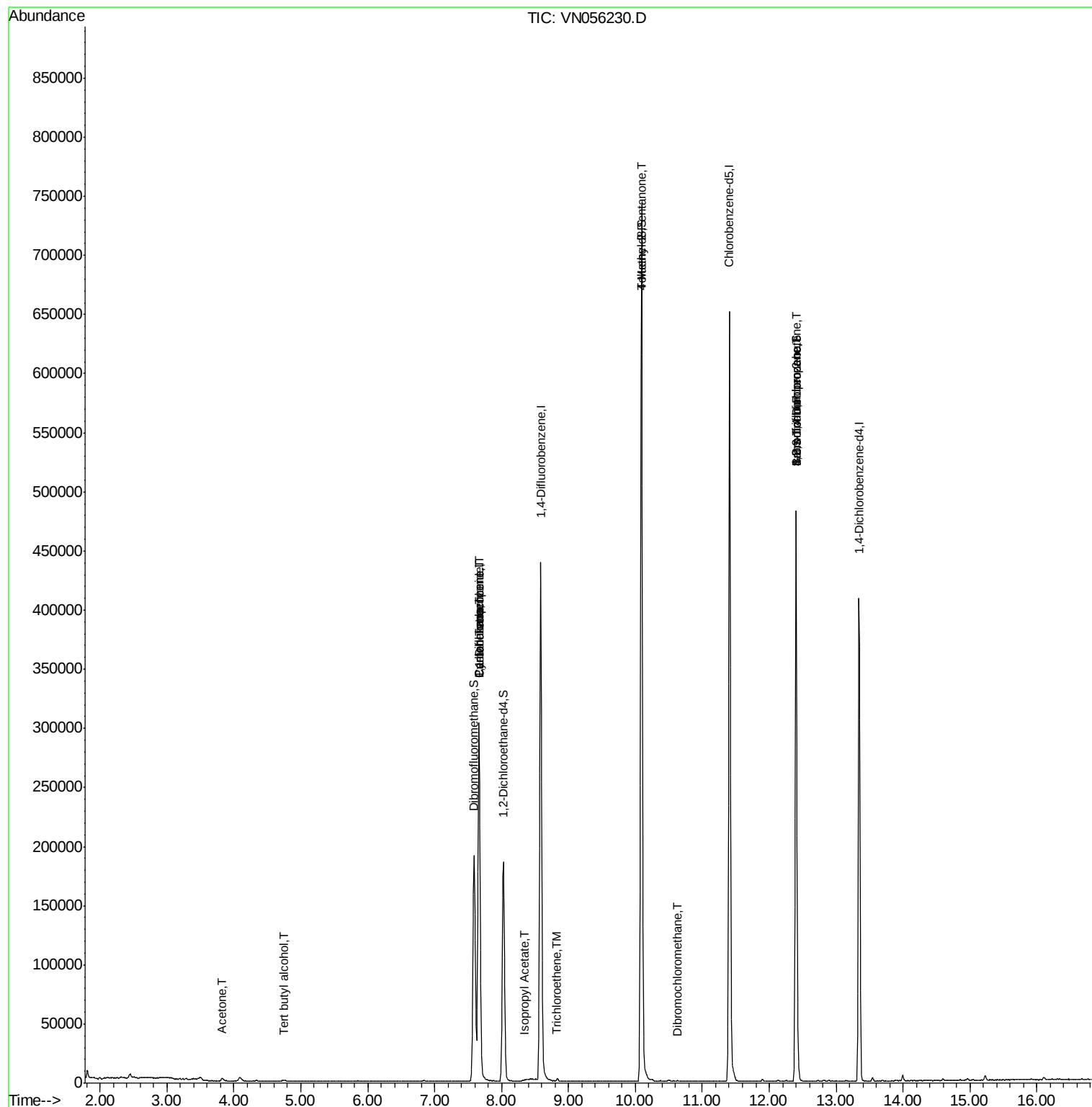
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	288872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	420606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130088	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	156662	54.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.24%	
35) Dibromofluoromethane	7.59	113	147815	54.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.66%	
50) Toluene-d8	10.09	98	569455	54.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.80%	
62) 4-Bromofluorobenzene	12.40	95	172760	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.75	59	683	1.368	ug/l #	74
16) Acetone	3.82	43	4215	3.073	ug/l	93
18) Methyl Acetate	4.34	43	1132	Below Cal	#	51
31) Cyclohexane	7.66	56	4227	0.929	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16553	4.381	ug/l #	47
38) Carbon Tetrachloride	7.66	117	22983	6.598	ug/l #	16
43) Isopropyl Acetate	8.34	43	1153	0.212	ug/l #	53
44) Trichloroethene	8.83	130	969	0.294	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	1965	0.577	ug/l #	1
60) Dibromochloromethane	10.63	129	65	2.472	ug/l #	11
71) Bromoform	12.40	173	1389	3.283	ug/l #	1
73) Isopropylbenzene	12.25	105	525	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	78838	32.936	ug/l #	100
79) 2-Chlorotoluene	12.60	91	60	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	78838	109.683	ug/l #	15

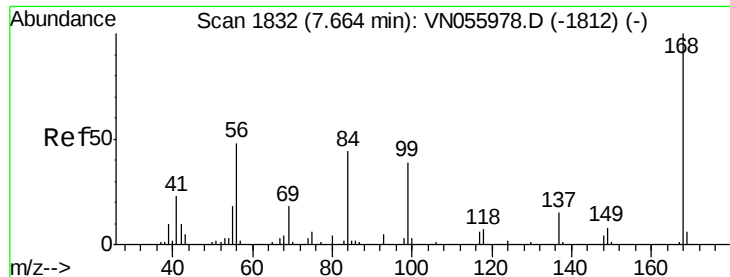
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

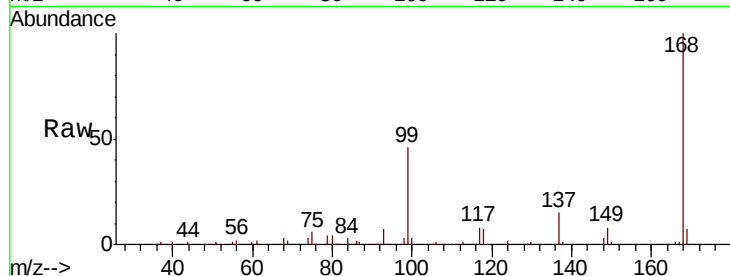
BP-TT-AOC22-MW10-20190609

Tot Ion:168 Resp: 288872

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

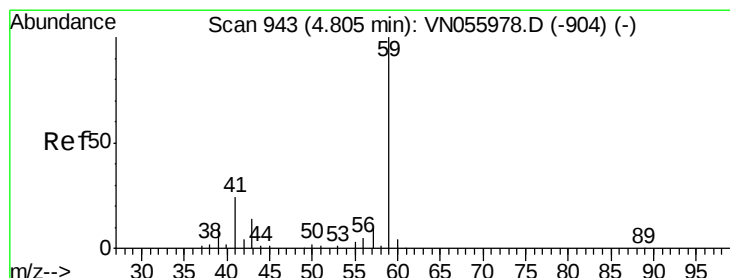
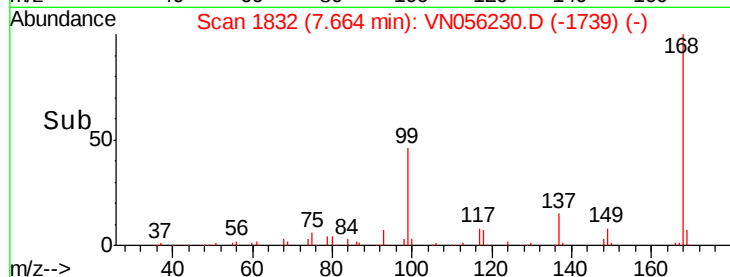
7.66

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.368 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056230.D

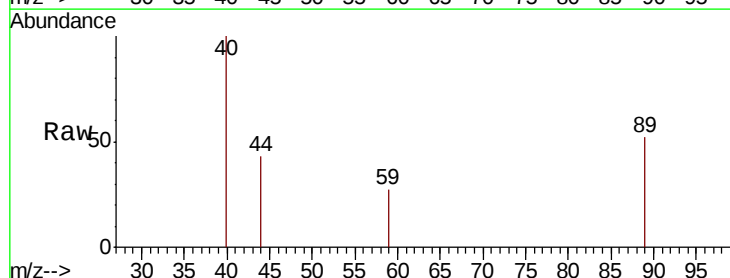
Acq: 11 Jun 2019 18:08

Tgt Ion: 59 Resp: 683

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

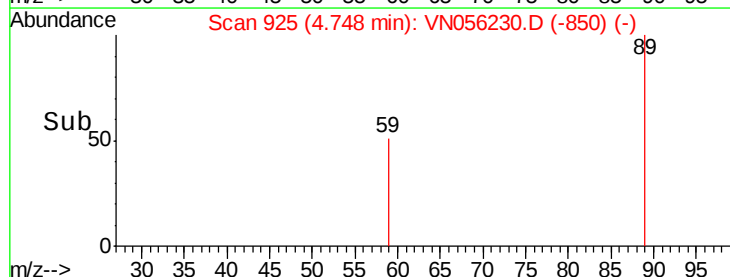
300

200

100

0

Time-->





#16

Acetone

Concen: 3.073 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

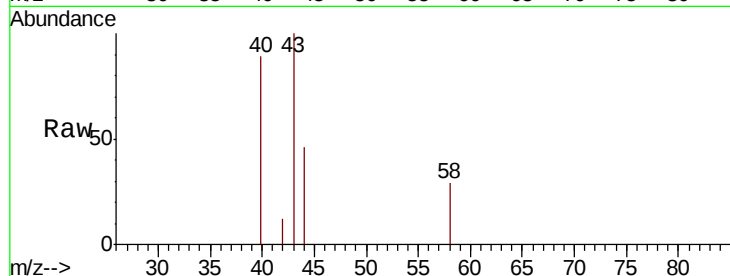
BP-TT-AOC22-MW10-20190609

Tot Ion: 43 Resp: 4215

Ion Ratio Lower Upper

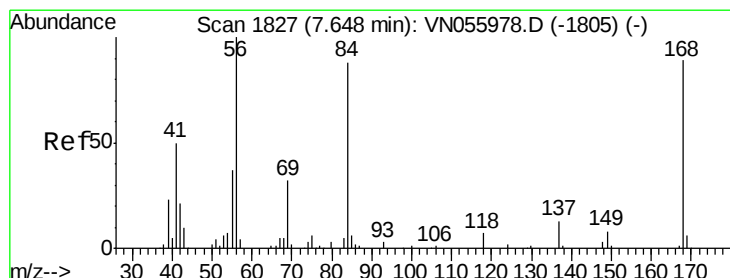
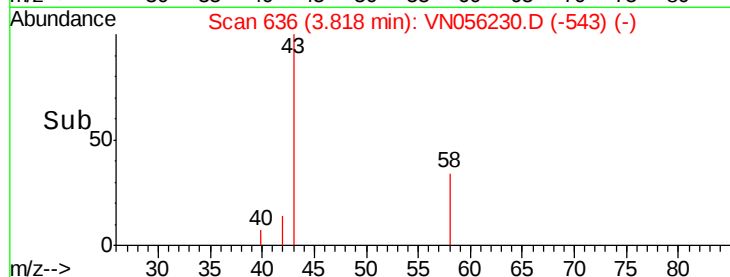
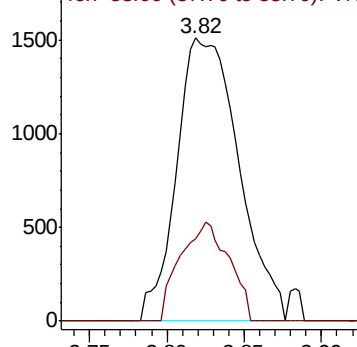
43 100

58 29.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.929 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

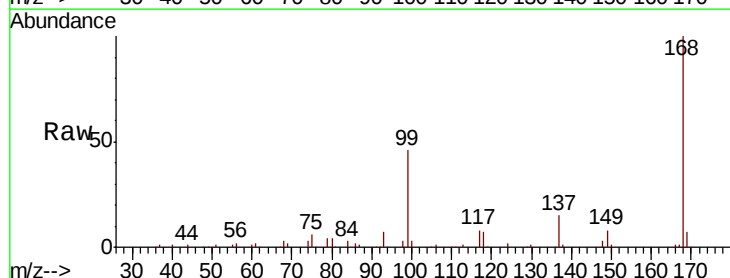
Tgt Ion: 56 Resp: 4227

Ion Ratio Lower Upper

56 100

69 162.9 25.6 38.4#

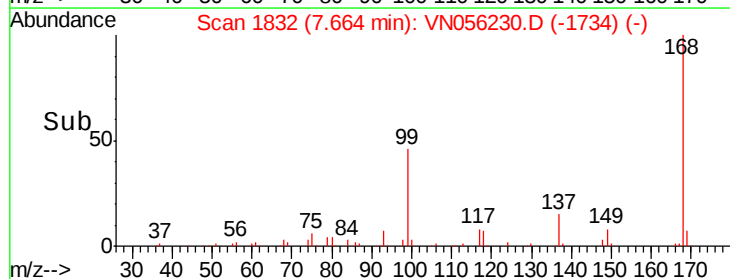
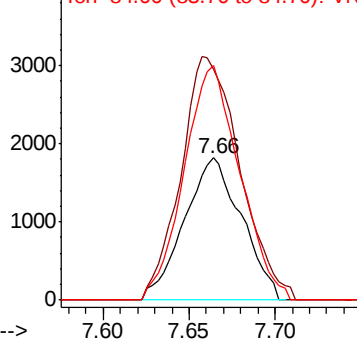
84 165.1 67.4 101.0#

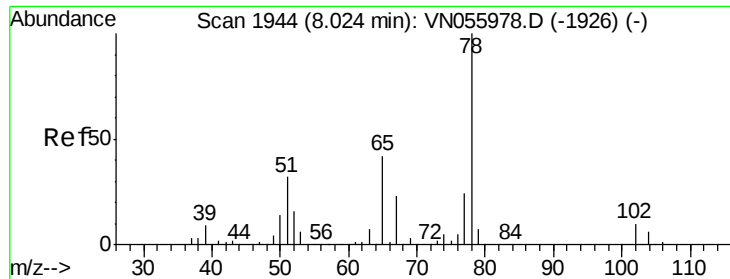


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

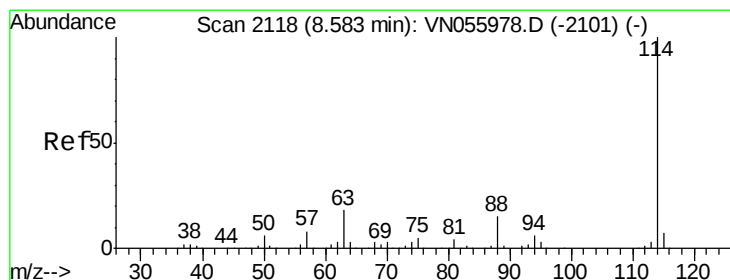
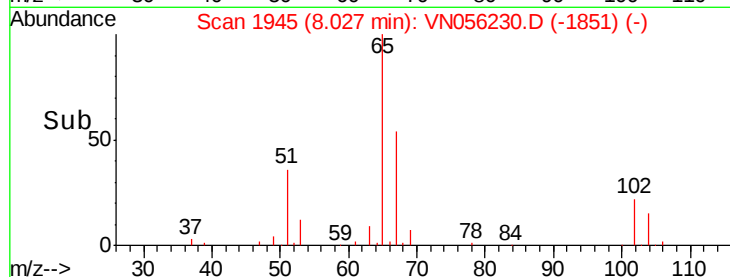
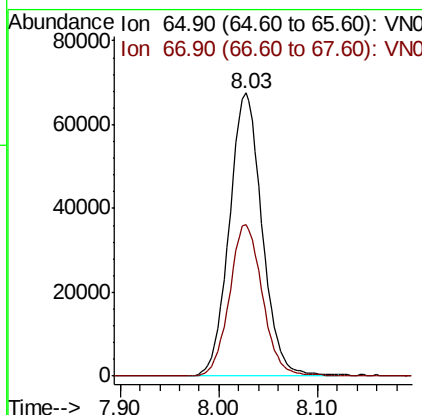
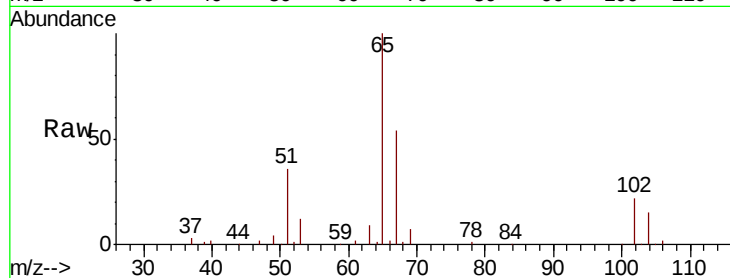




#33
 1,2-Dichloroethane-d4
 Concen: 54.619 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056230.D
 Acq: 11 Jun 2019 18:08

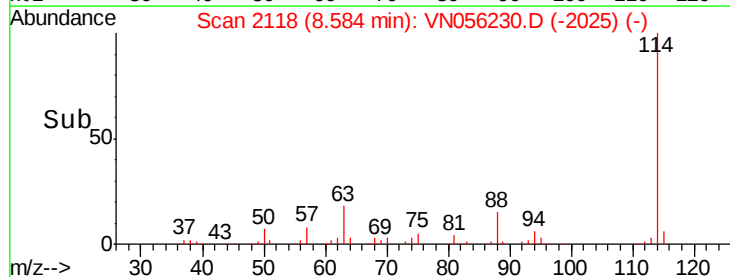
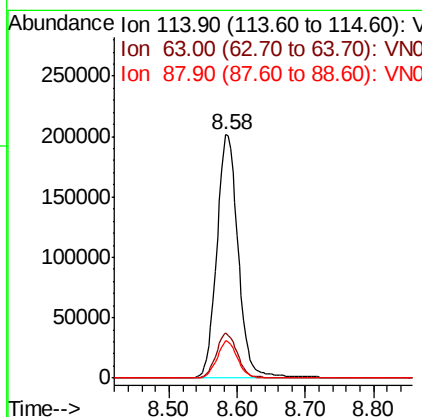
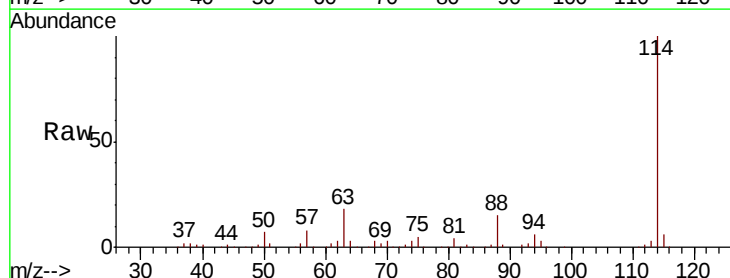
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609

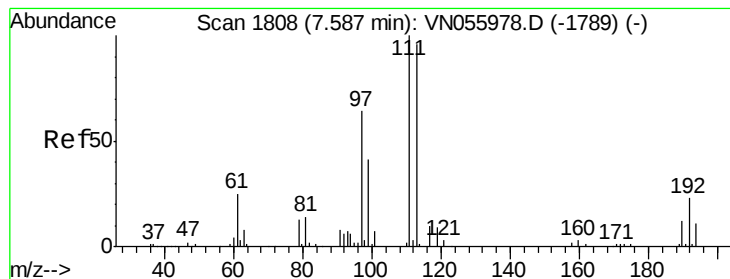
Tot Ion: 65 Resp: 156662
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056230.D
 Acq: 11 Jun 2019 18:08

Tgt Ion: 114 Resp: 439393
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 54.831 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609

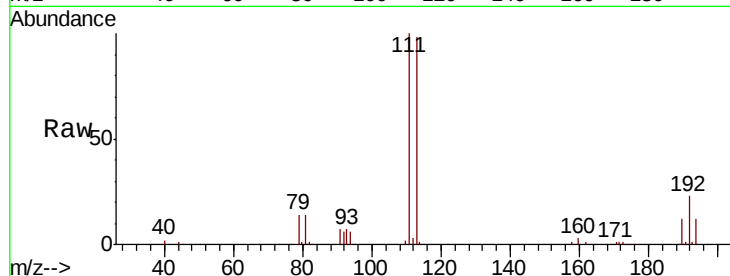
Tot Ion:113 Resp: 147815

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

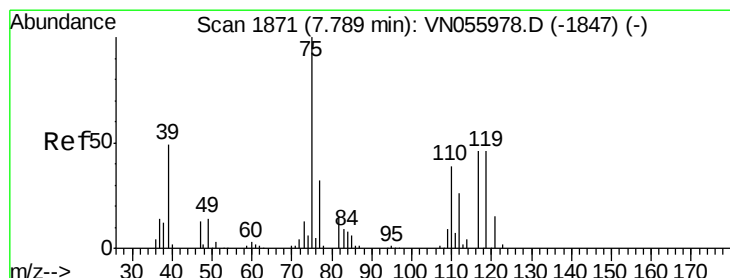
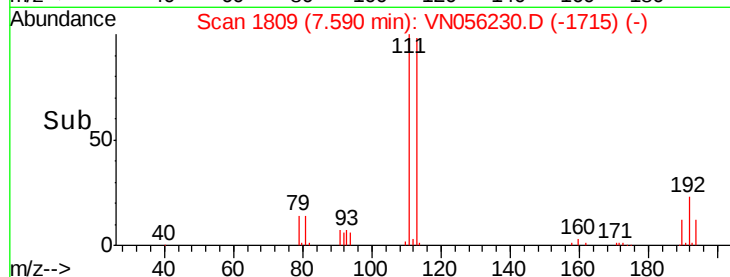
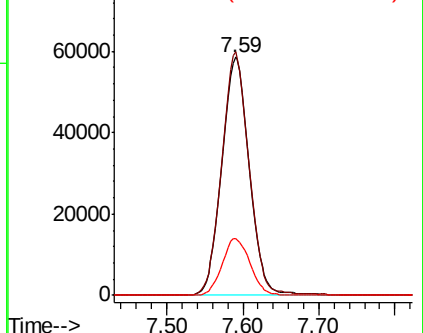
192 24.1 19.5 29.3



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: 4.381 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

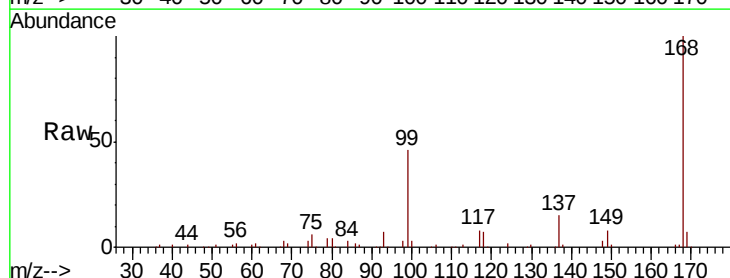
Tgt Ion: 75 Resp: 16553

Ion Ratio Lower Upper

75 100

110 8.4 19.0 57.0#

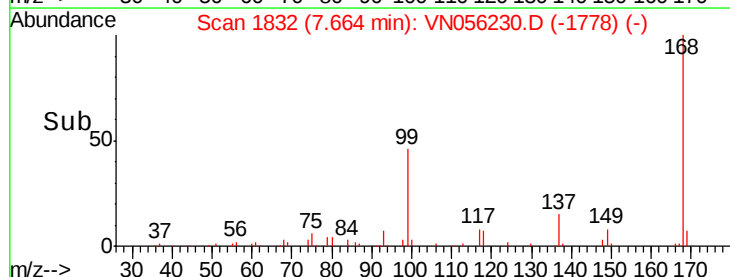
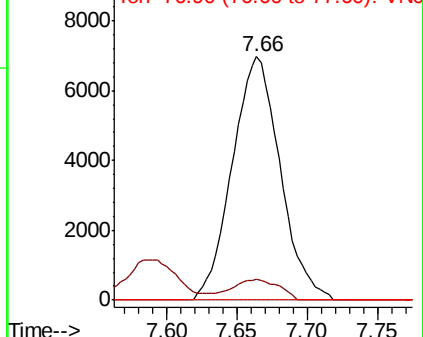
77 0.0 25.1 37.7#

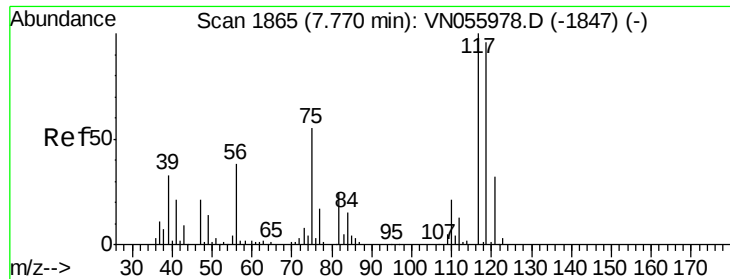


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

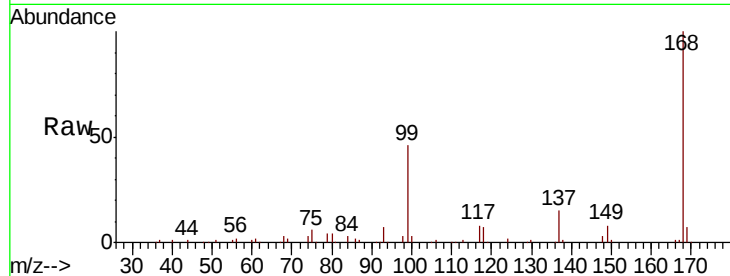




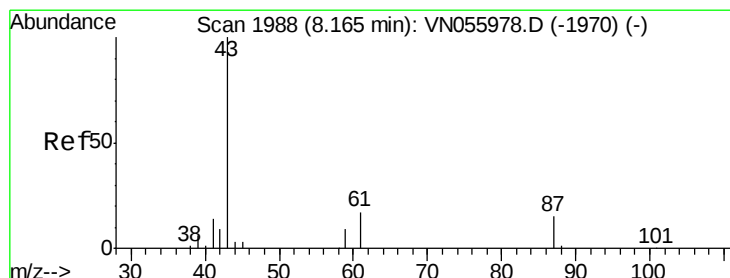
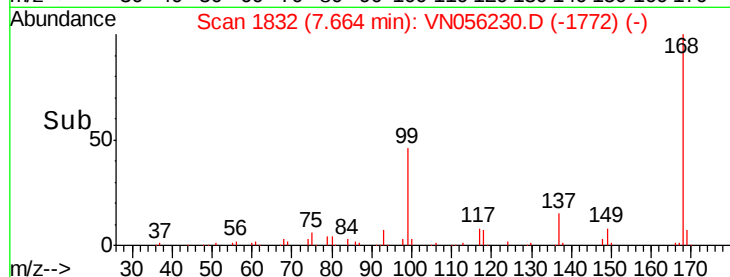
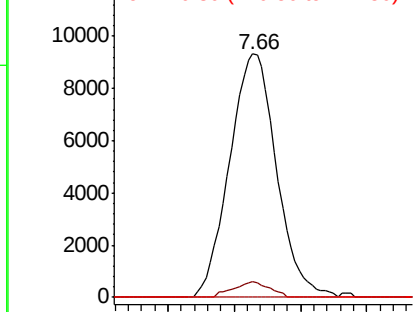
#38
Carbon Tetrachloride
Concen: 6.598 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056230.D
Acq: 11 Jun 2019 18:08

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609

Tot Ion:117 Resp: 22983
Ion Ratio Lower Upper
117 100
119 6.3 79.0 118.6#
121 0.0 24.7 37.1#

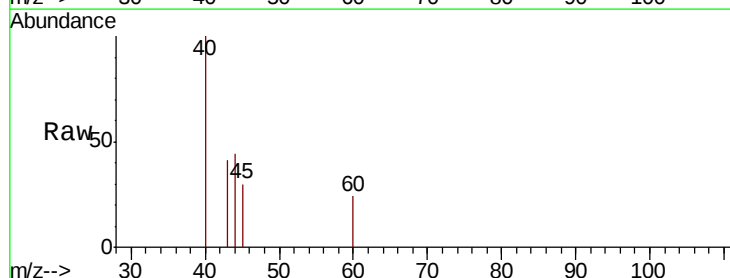


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

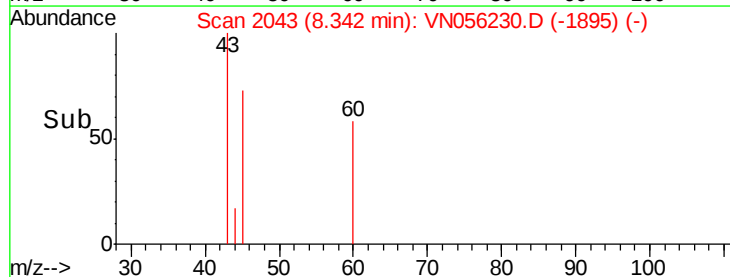
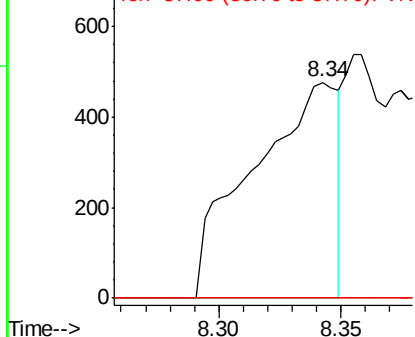


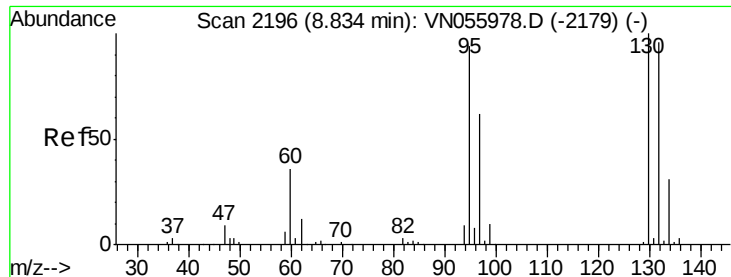
#43
Isopropyl Acetate
Concen: 0.212 ug/l
RT: 8.34 min Scan# 2043
Delta R.T. 0.18 min
Lab File: VN056230.D
Acq: 11 Jun 2019 18:08

Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 61.00 (60.70 to 61.70): VN
Ion 87.00 (86.70 to 87.70): VN





#44

Trichloroethene

Concen: 0.294 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

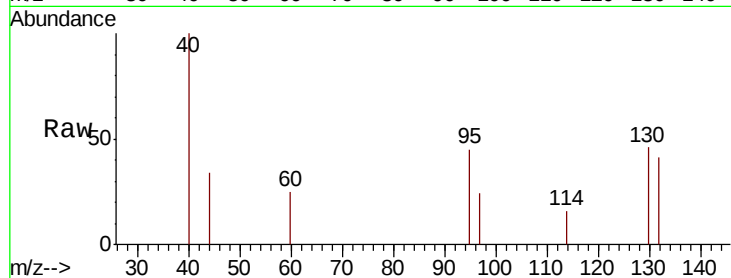
BP-TT-AOC22-MW10-20190609

Tot Ion:130 Resp: 969

Ion Ratio Lower Upper

130 100

95 96.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

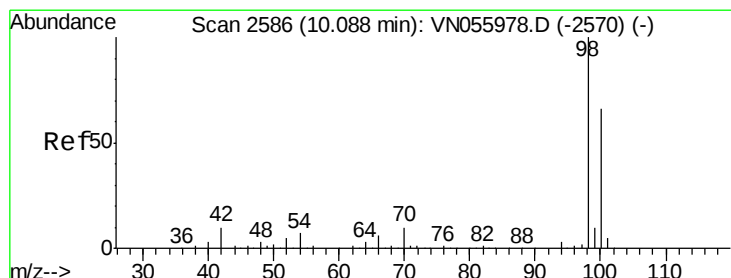
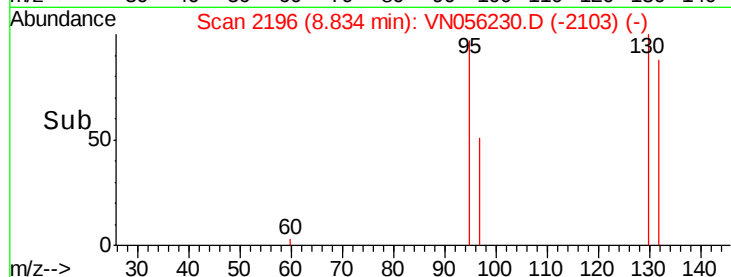
600

400

200

0

Time-->



#50

Toluene-d8

Concen: 54.895 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056230.D

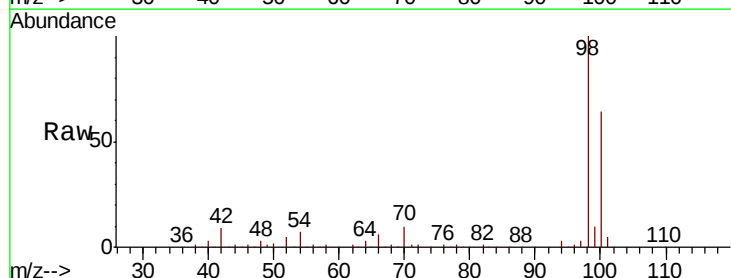
Acq: 11 Jun 2019 18:08

Tgt Ion: 98 Resp: 569455

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.09

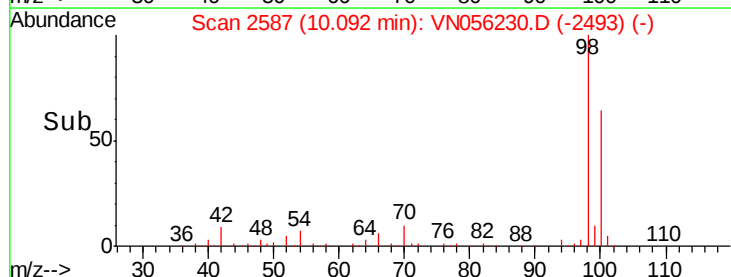
300000

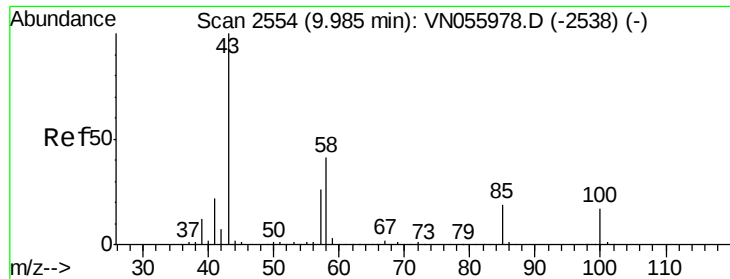
200000

100000

0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.577 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

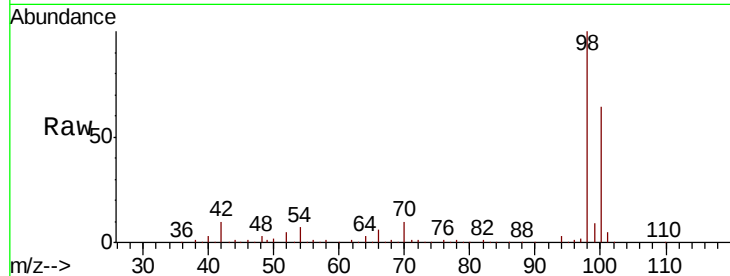
BP-TT-AOC22-MW10-20190609

Tot Ion: 43 Resp: 1965

Ion Ratio Lower Upper

43 100

58 197.3 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

2500

2000

1500

1000

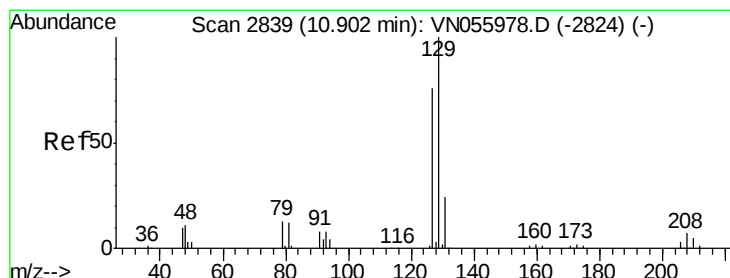
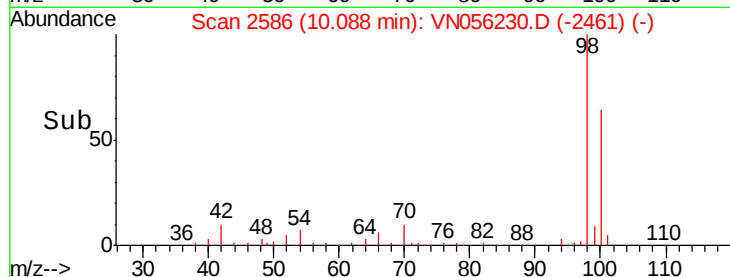
500

0

10.05

10.10

Time-->



#60

Dibromochloromethane

Concen: 2.472 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056230.D

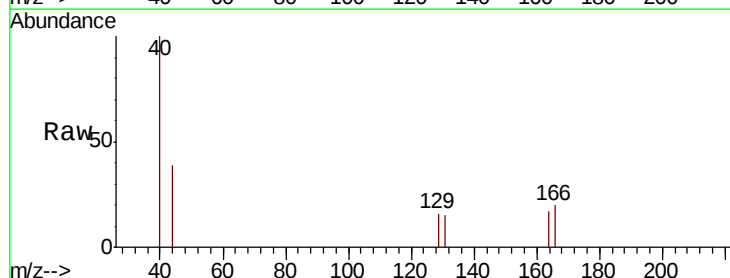
Acq: 11 Jun 2019 18:08

Tgt Ion: 129 Resp: 65

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

200

150

100

50

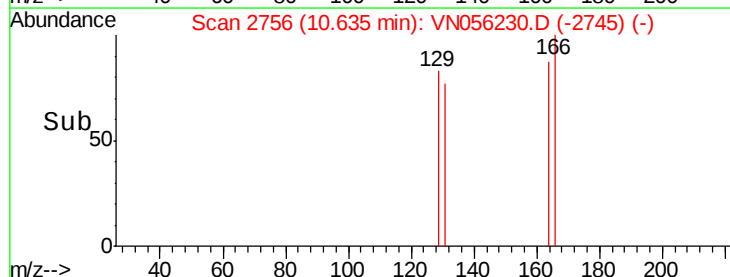
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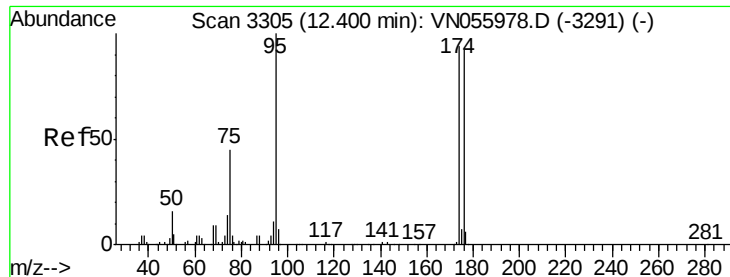
10.62

10.63

10.64

Time-->





#62

4-Bromofluorobenzene

Concen: 48.971 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609

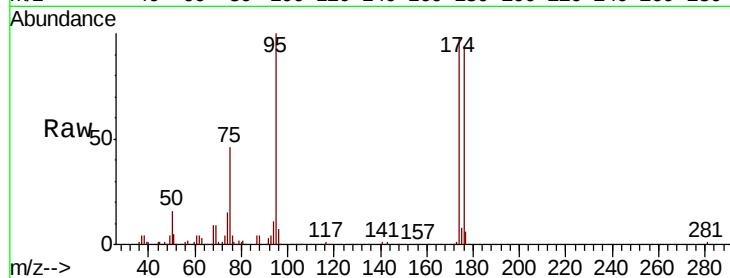
Tot Ion: 95 Resp: 172760

Ion Ratio Lower Upper

95 100

174 97.7 0.0 191.0

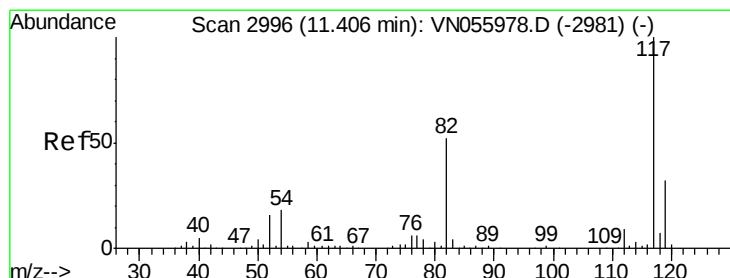
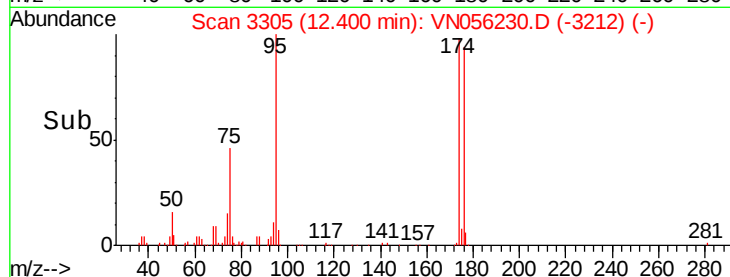
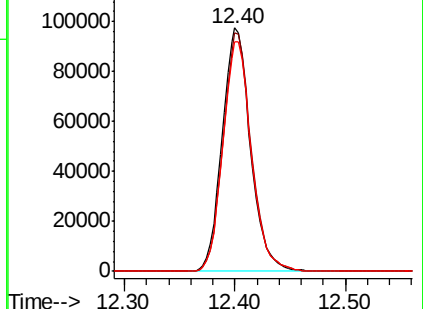
176 95.1 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

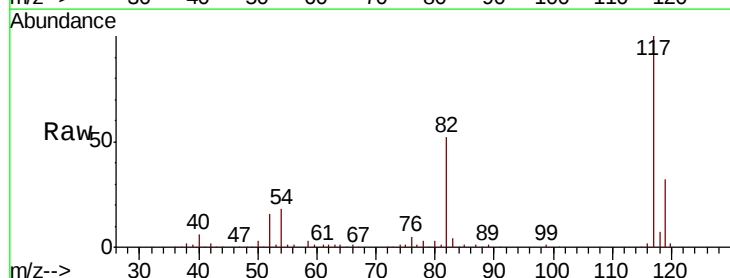
Tgt Ion: 117 Resp: 420606

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

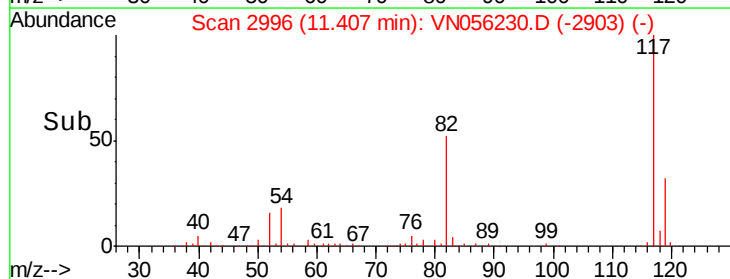
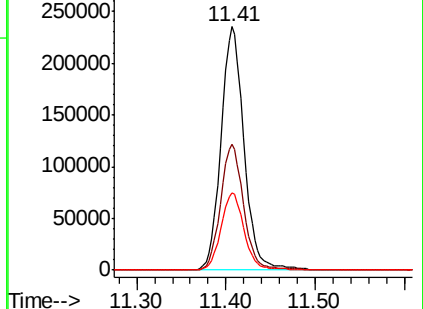
119 31.9 25.4 38.0

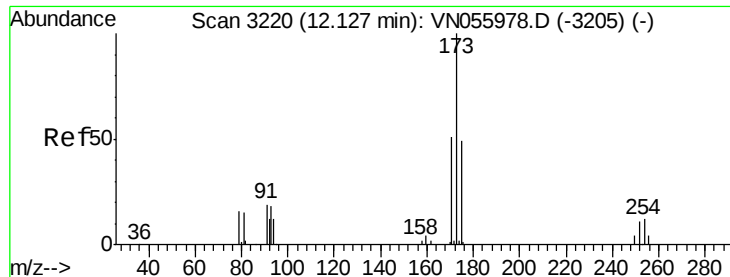


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#71

Bromoform

Concen: 3.283 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609

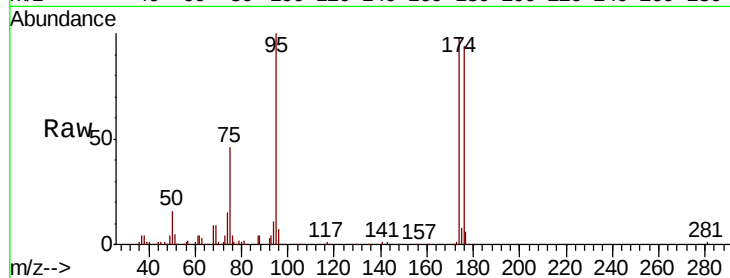
Tot Ion:173 Resp: 1389

Ion Ratio Lower Upper

173 100

175 768.2 24.3 72.8#

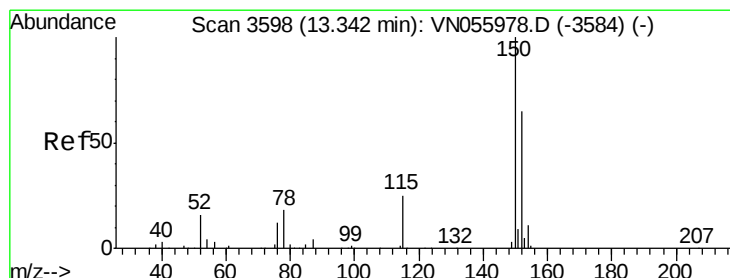
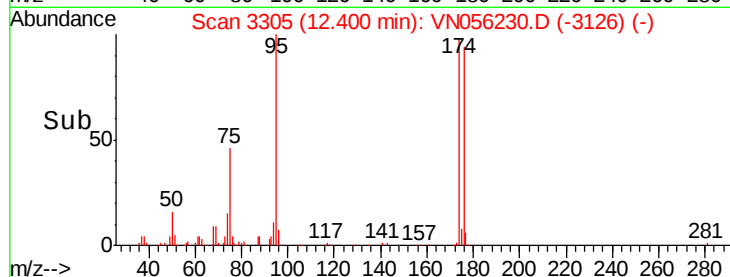
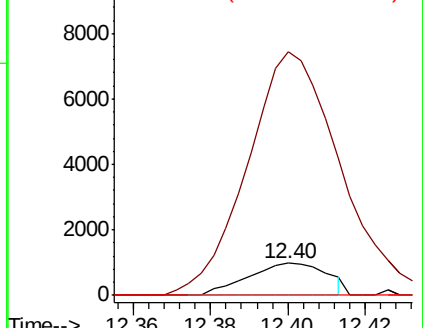
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

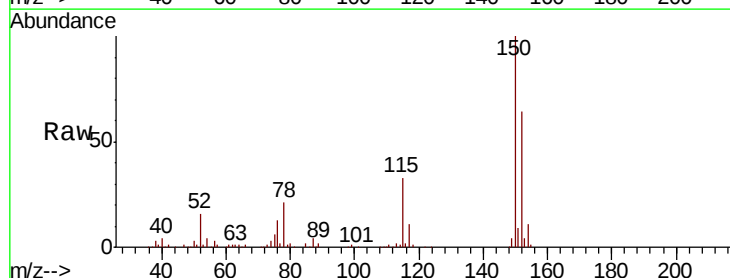
Tgt Ion:152 Resp: 130088

Ion Ratio Lower Upper

152 100

115 51.0 27.0 81.0

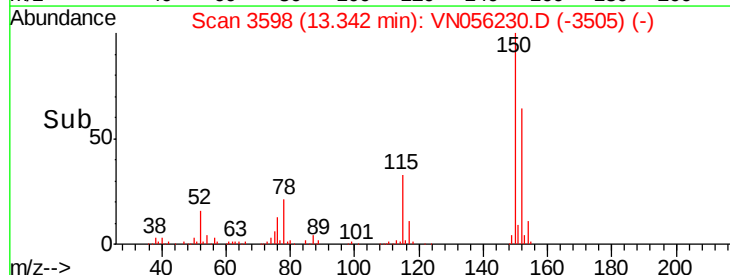
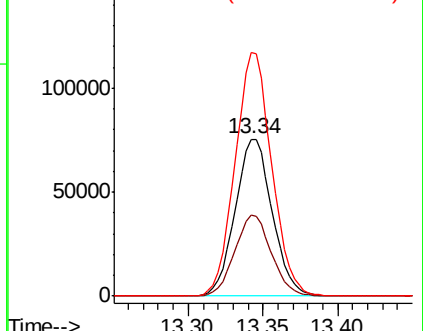
150 153.7 0.0 343.2

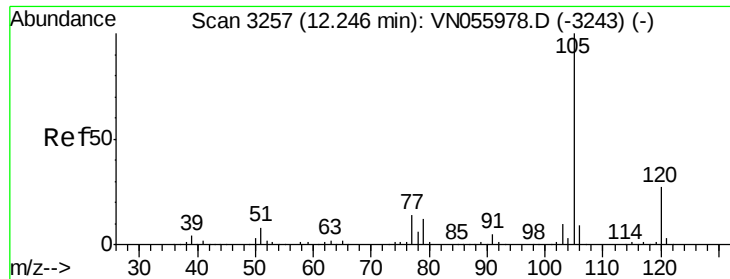


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.01 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

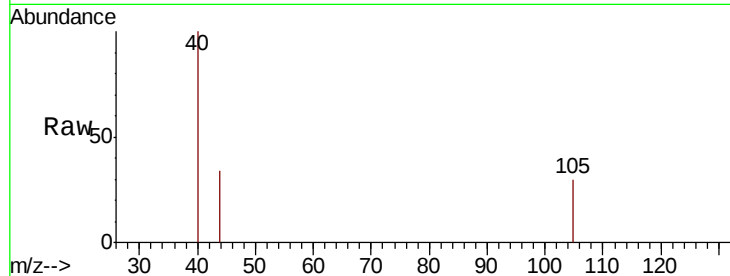
BP-TT-AOC22-MW10-20190609

Tot Ion: 105 Resp: 525

Ion Ratio Lower Upper

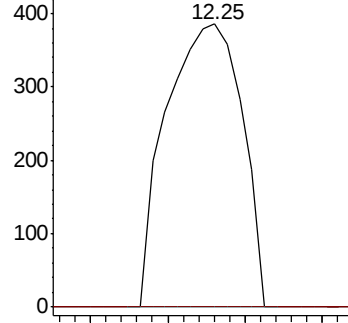
105 100

120 0.0 13.6 40.7#

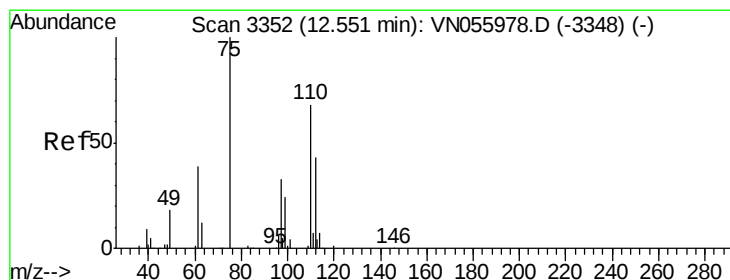
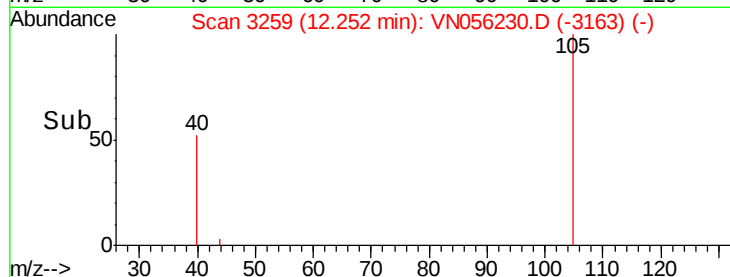


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 32.936 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056230.D

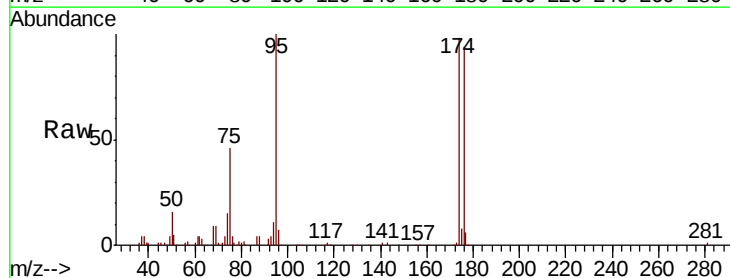
Acq: 11 Jun 2019 18:08

Tgt Ion: 75 Resp: 78838

Ion Ratio Lower Upper

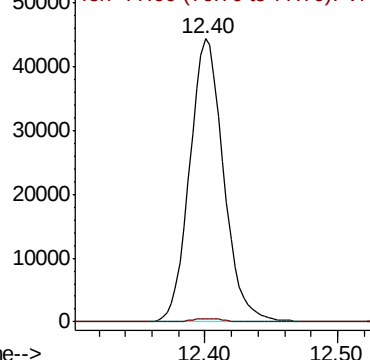
75 100

77 1.0 0.0 0.0#

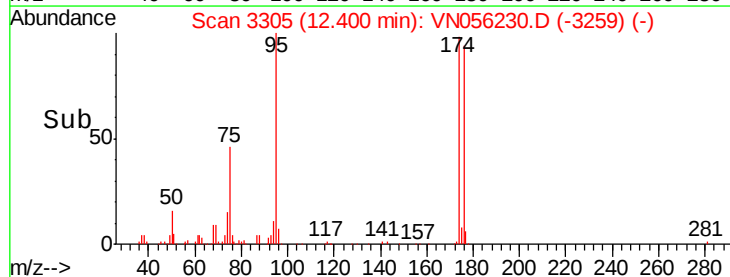


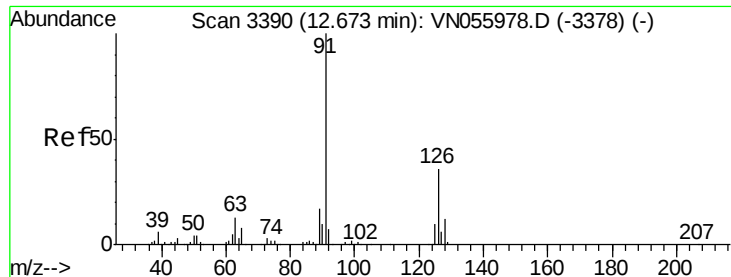
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V



Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Instrument :

MSVOA_N

ClientSampleId :

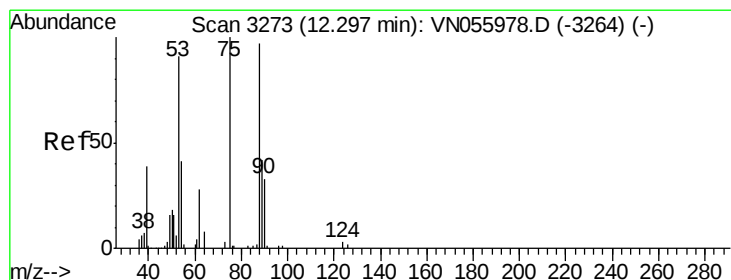
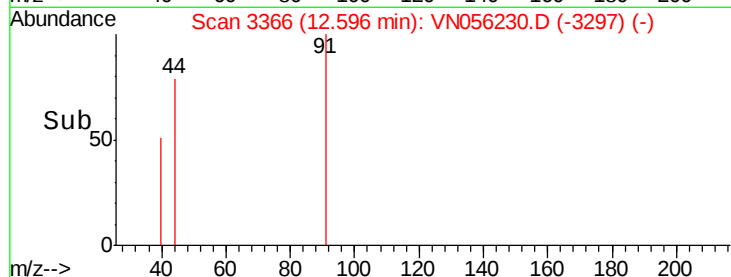
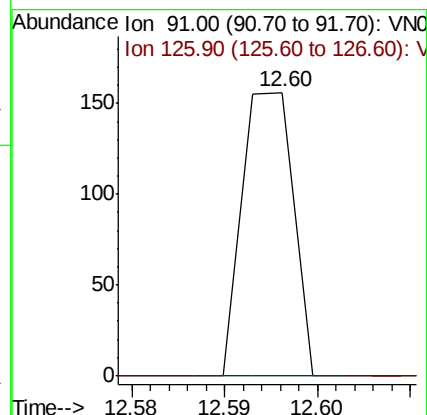
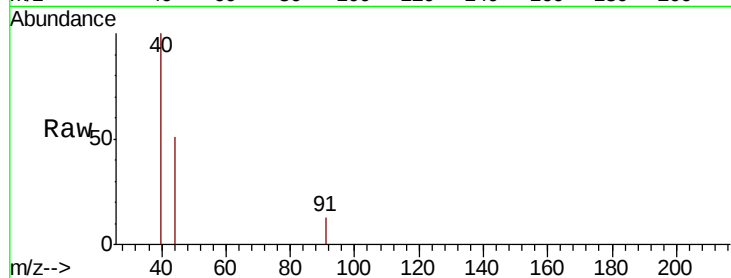
BP-TT-AOC22-MW10-20190609

Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.683 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056230.D

Acq: 11 Jun 2019 18:08

Tgt Ion: 75 Resp: 78838

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

