

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056172.D
 Acq On : 10 Jun 2019 16:12
 Operator : JC/SP
 Sample : K3280-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-FW-MW03-20190608

Quant Time: Jun 11 02:20:50 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	319929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	495568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151639	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	171434	53.97	ug/l	0.00
Spiked Amount						
			Recovery	=	107.94%	
35) Dibromofluoromethane	7.59	113	158930	52.27	ug/l	0.00
Spiked Amount						
			Recovery	=	104.54%	
50) Toluene-d8	10.09	98	630740	53.91	ug/l	0.00
Spiked Amount						
			Recovery	=	107.82%	
62) 4-Bromofluorobenzene	12.40	95	201395	50.62	ug/l	0.00
Spiked Amount						
			Recovery	=	101.24%	

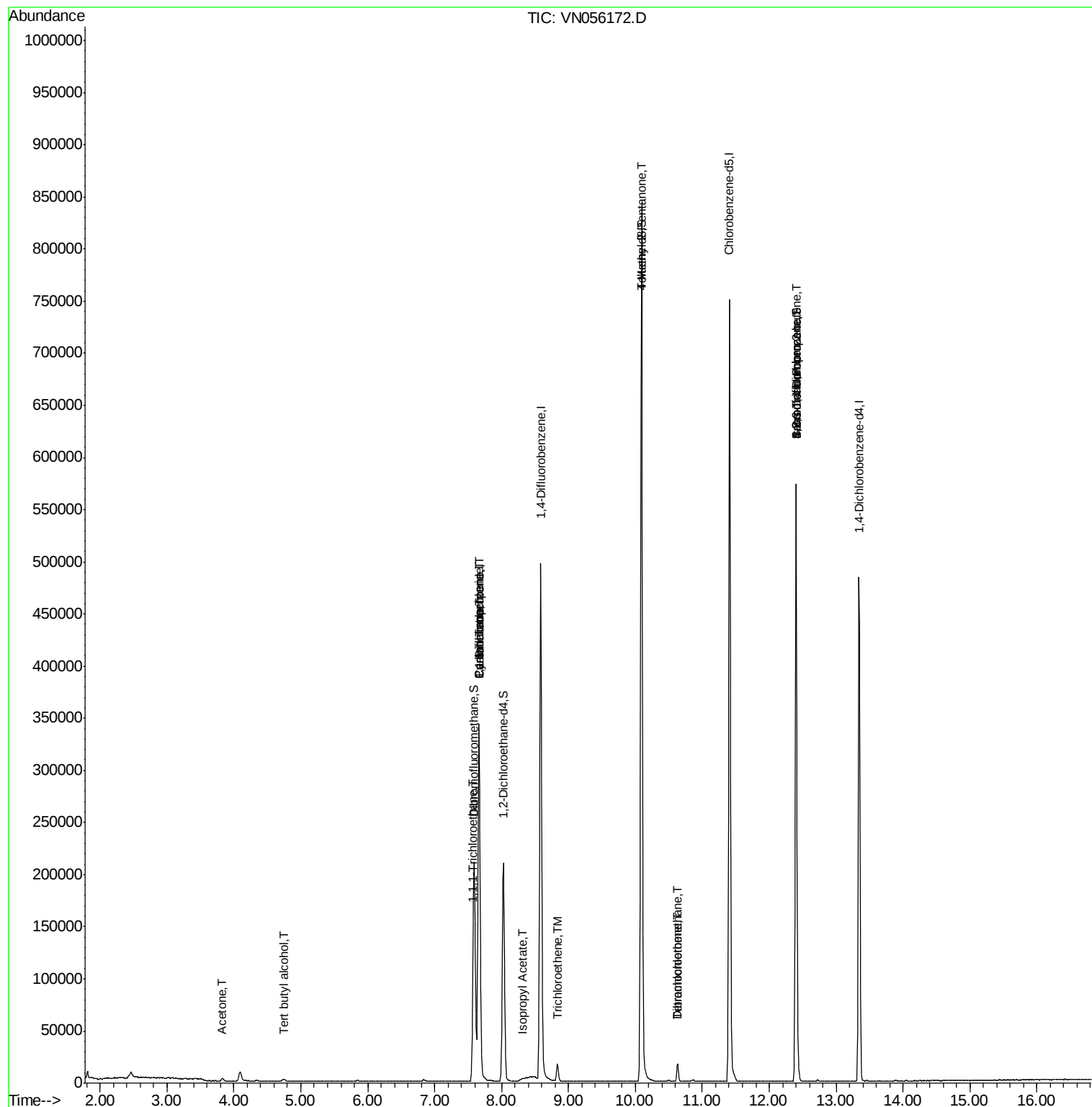
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	2097	3.793	ug/l #	74
16) Acetone	3.82	43	4484	2.951	ug/l	91
31) Cyclohexane	7.67	56	4611	0.915	ug/l #	1
32) 1,1,1-Trichloroethane	7.56	97	2723	0.641	ug/l #	43
36) 1,1-Dichloropropene	7.66	75	18664	4.380	ug/l #	47
38) Carbon Tetrachloride	7.66	117	25607	6.518	ug/l #	15
43) Isopropyl Acetate	8.31	43	2608	0.424	ug/l #	53
44) Trichloroethene	8.83	130	6907	1.857	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	2563	0.667	ug/l #	1
60) Dibromochloromethane	10.63	129	3517	3.402	ug/l #	11
64) Tetrachloroethene	10.63	164	4693	1.135	ug/l	97
71) Bromoform	12.40	173	1350	3.205	ug/l #	1
73) Isopropylbenzene	12.40	105	142	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	91804	32.902	ug/l #	100
79) 2-Chlorotoluene	12.40	91	472	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	91804	109.570	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: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

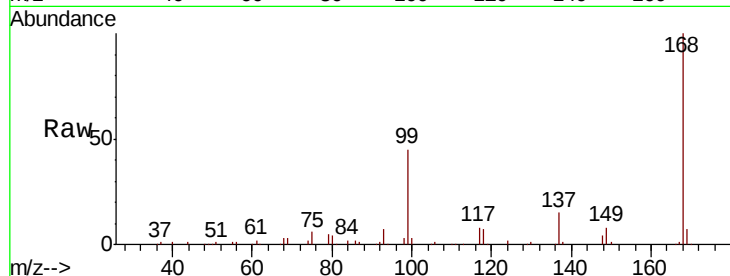
BP-FW-MW03-20190608

Tot Ion:168 Resp: 319929

Ion Ratio Lower Upper

168 100

99 44.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

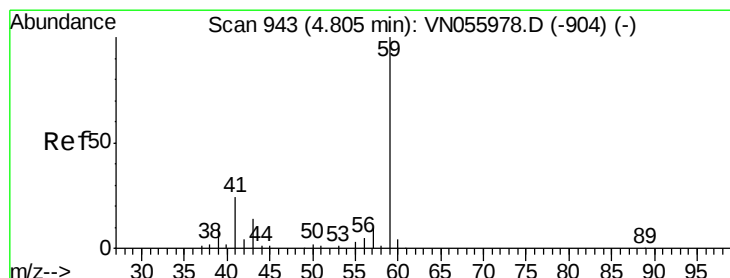
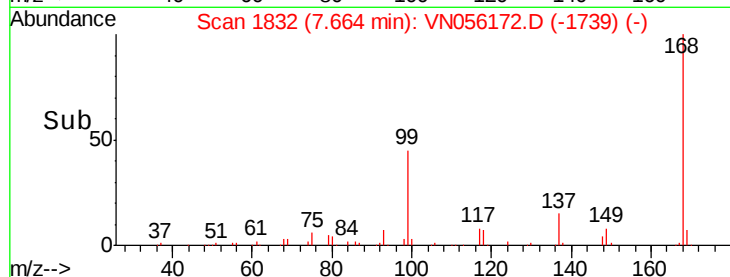
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 3.793 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.05 min

Lab File: VN056172.D

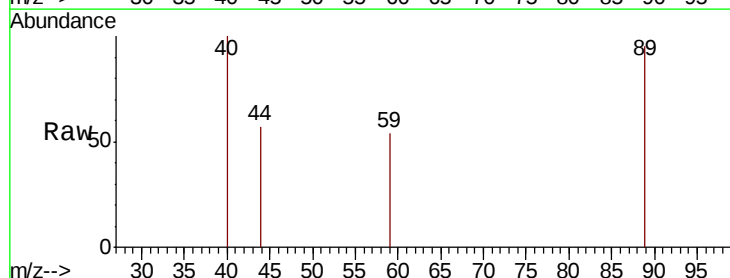
Acq: 10 Jun 2019 16:12

Tgt Ion: 59 Resp: 2097

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

600

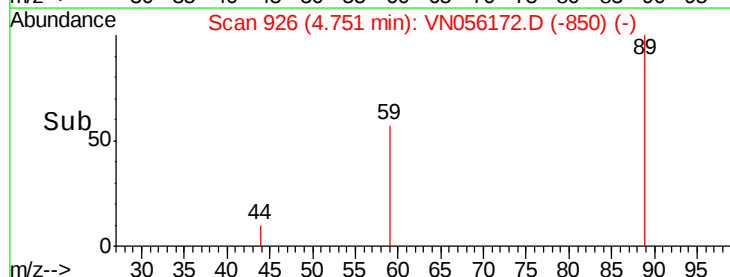
400

200

0

4.65 4.70 4.75 4.80

Time-->





#16

Acetone

Concen: 2.951 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

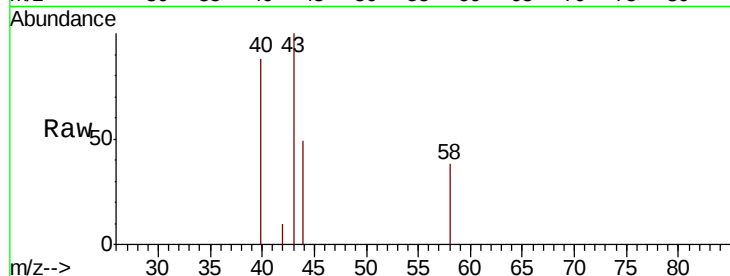
BP-FW-MW03-20190608

Tot Ion: 43 Resp: 4484

Ion Ratio Lower Upper

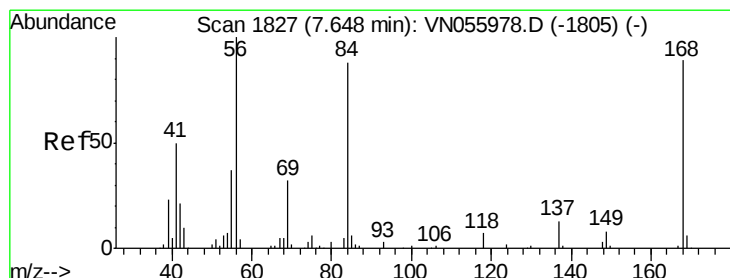
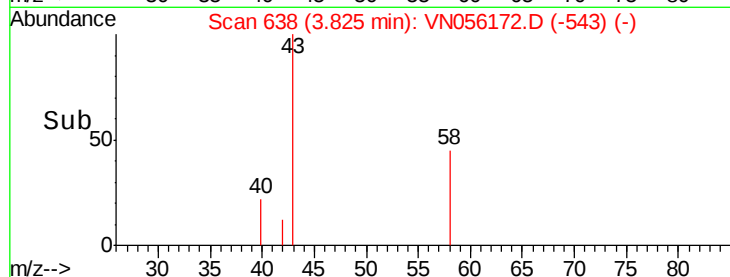
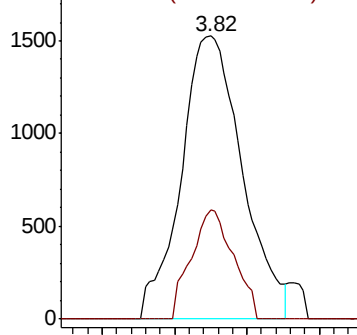
43 100

58 38.4 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: 0.915 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

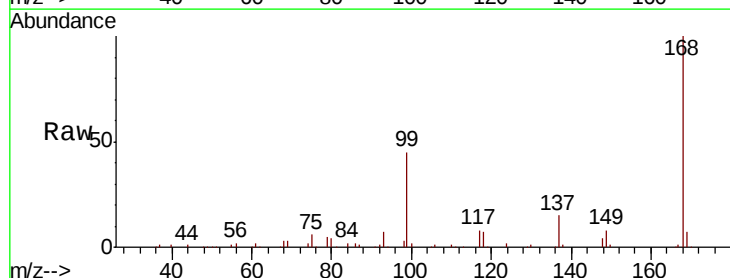
Tgt Ion: 56 Resp: 4611

Ion Ratio Lower Upper

56 100

69 180.3 25.6 38.4#

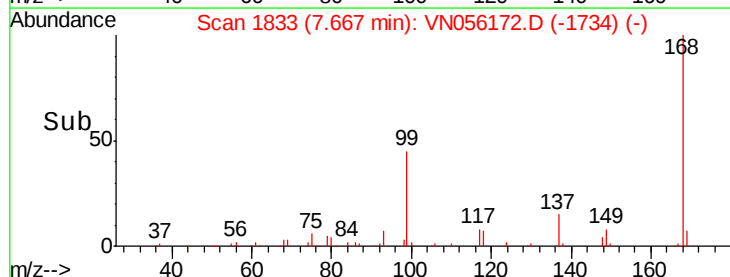
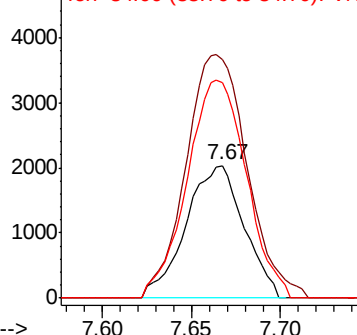
84 162.4 67.4 101.0#

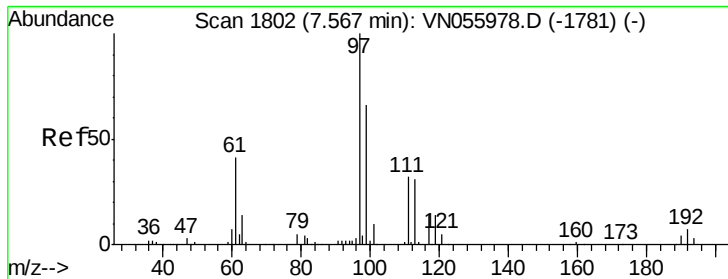


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#32

1,1,1-Trichloroethane

Concen: 0.641 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-FW-MW03-20190608

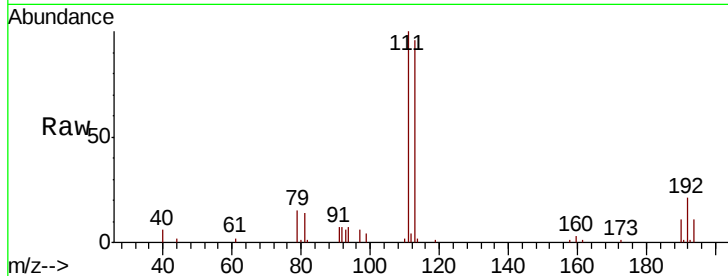
Tot Ion: 97 Resp: 2723

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

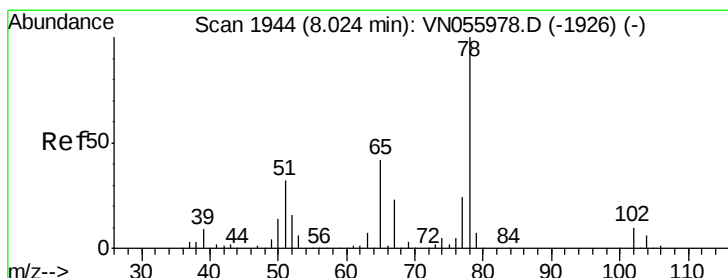
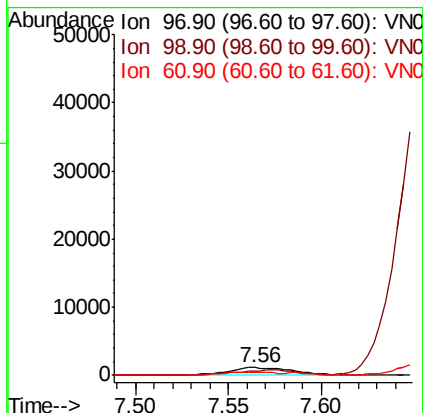
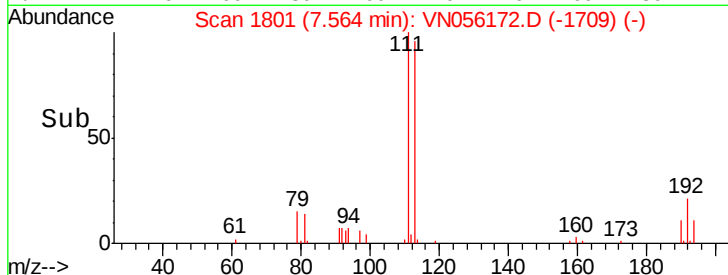
61 30.4 32.9 49.3#



Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC



#33

1,2-Dichloroethane-d4

Concen: 53.967 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056172.D

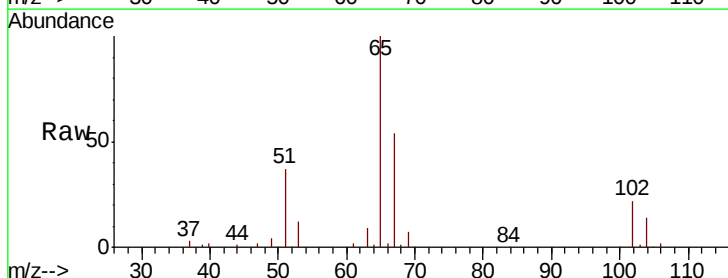
Acq: 10 Jun 2019 16:12

Tgt Ion: 65 Resp: 171434

Ion Ratio Lower Upper

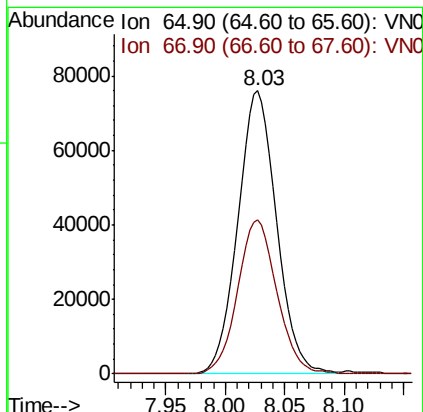
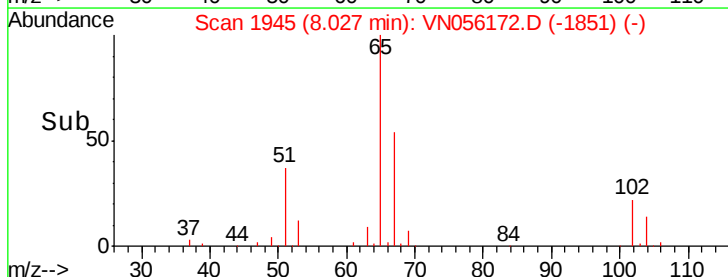
65 100

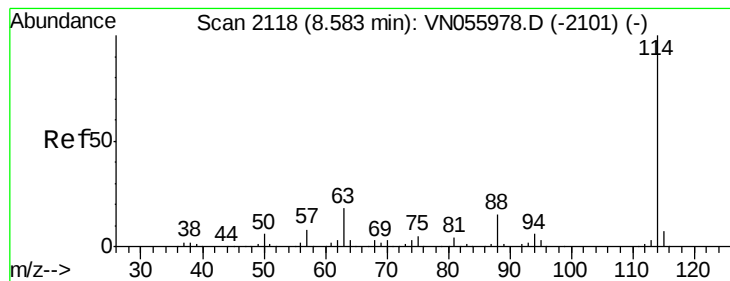
67 55.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-FW-MW03-20190608

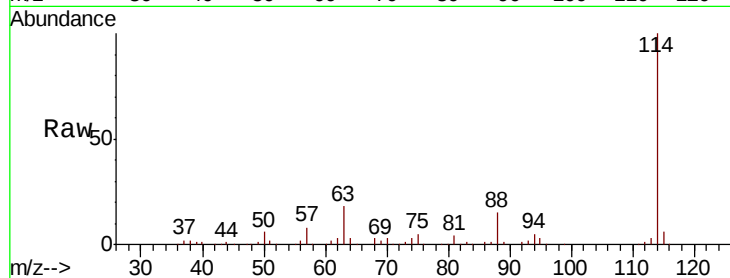
Tot Ion:114 Resp: 495568

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.2

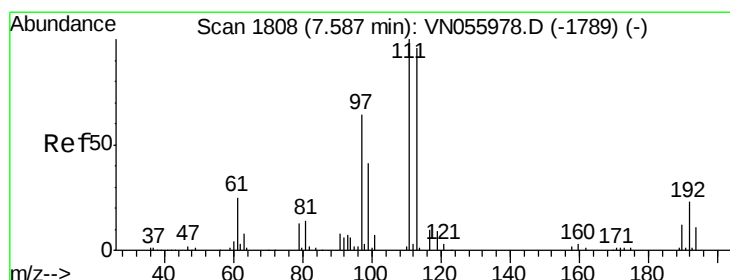
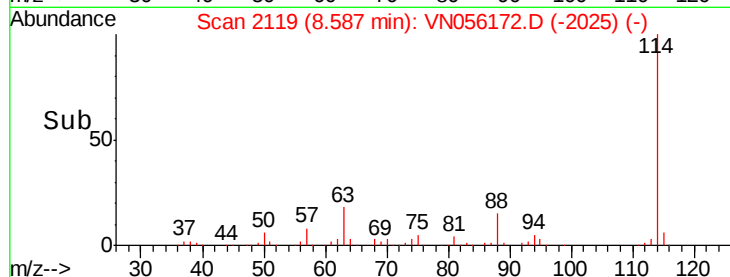
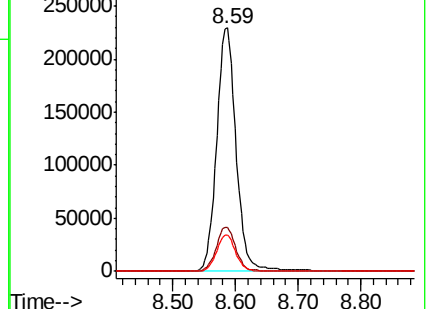
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.271 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

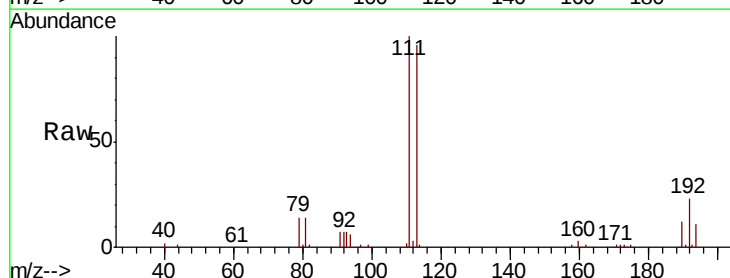
Tgt Ion:113 Resp: 158930

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

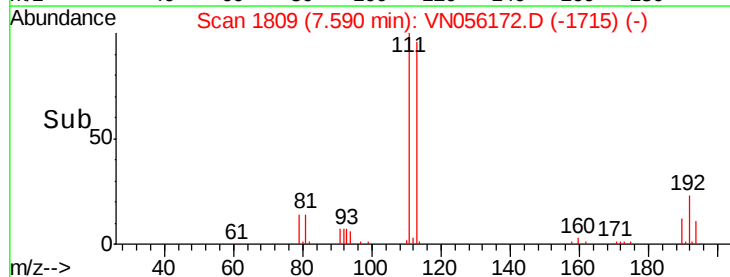
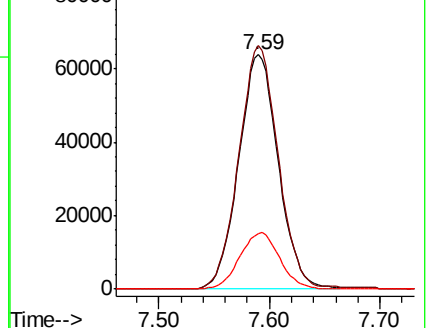
192 24.2 19.5 29.3

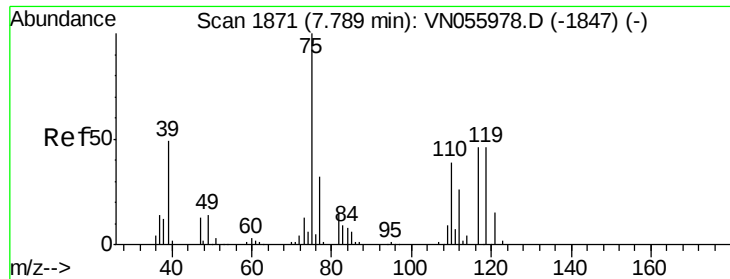


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

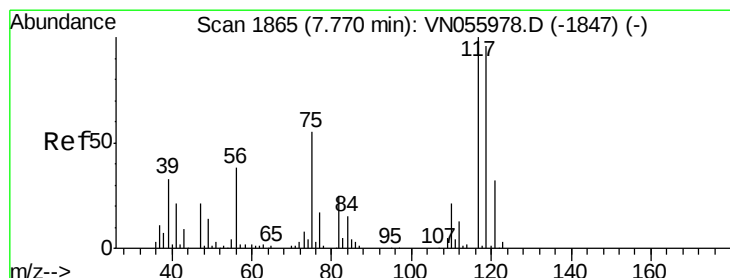
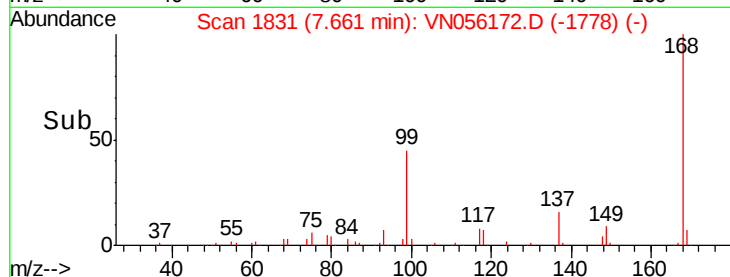
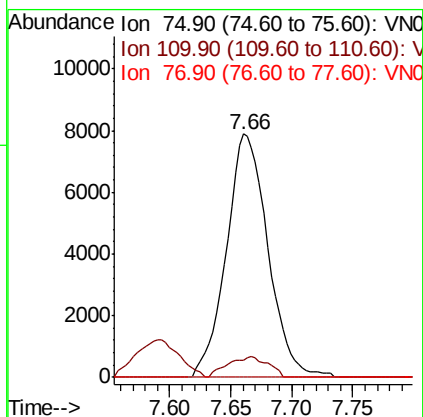
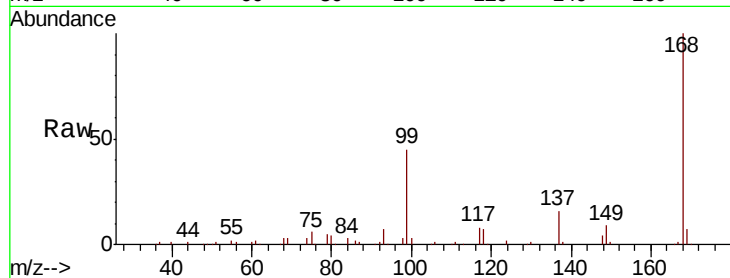




#36
 1,1-Dichloropropene
 Concen: 4.380 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056172.D
 Acq: 10 Jun 2019 16:12

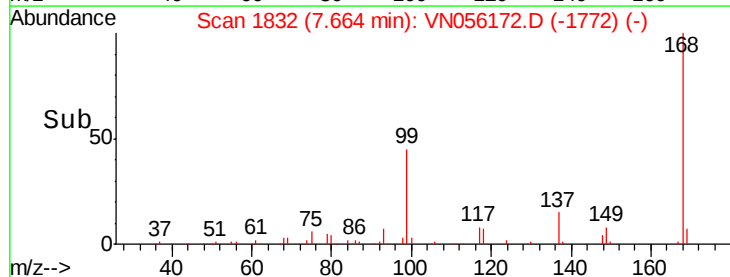
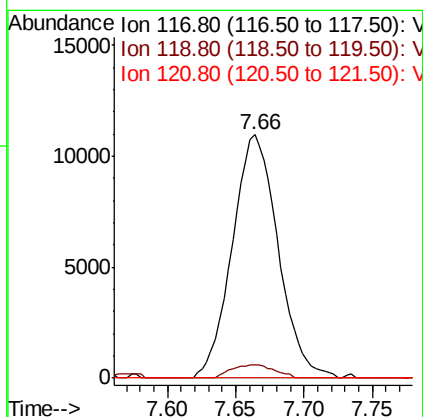
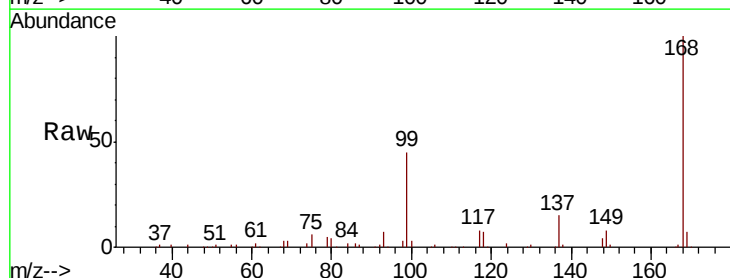
Instrument :
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 BP-FW-MW03-20190608

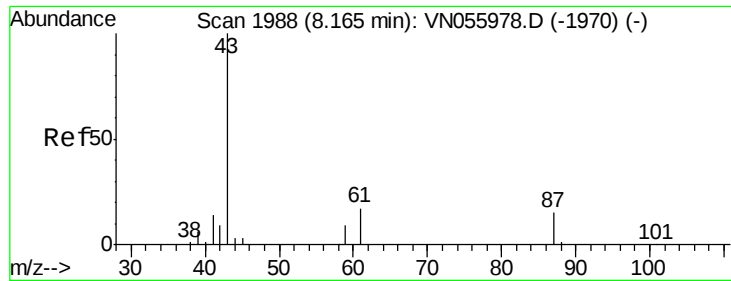
Tot Ion	75	Resp	18664
Ion Ratio	Lower	Upper	
75	100		
110	8.3	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.518 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056172.D
 Acq: 10 Jun 2019 16:12

Tgt Ion	117	Resp	25607
Ion Ratio	Lower	Upper	
117	100		
119	5.6	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.424 ug/l

RT: 8.31 min Scan# 2033

Delta R.T. 0.14 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-FW-MW03-20190608

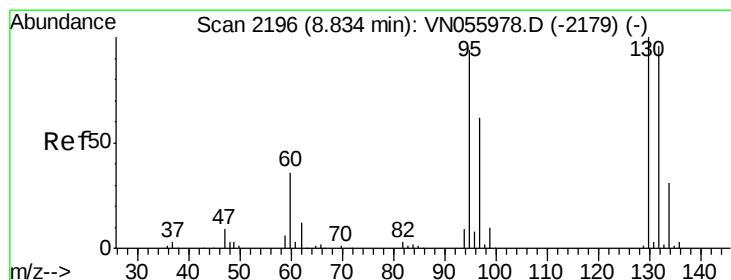
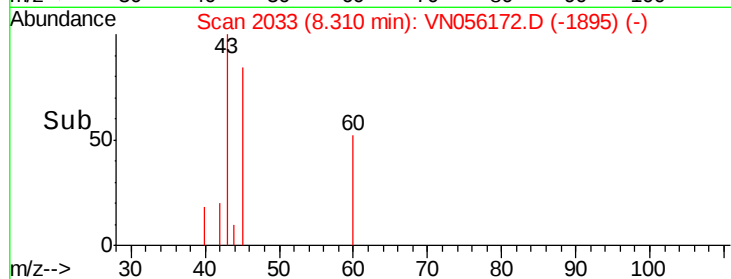
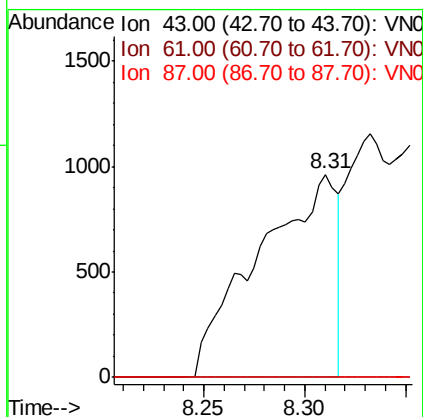
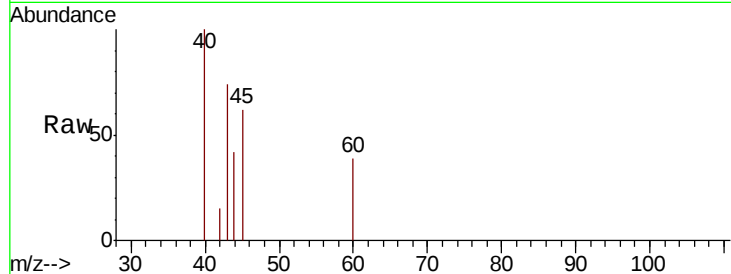
Tot Ion: 43 Resp: 2608

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



#44

Trichloroethene

Concen: 1.857 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056172.D

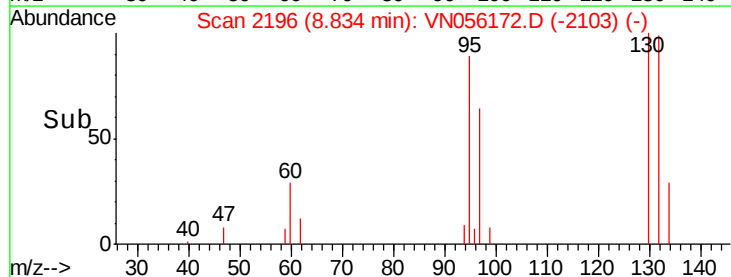
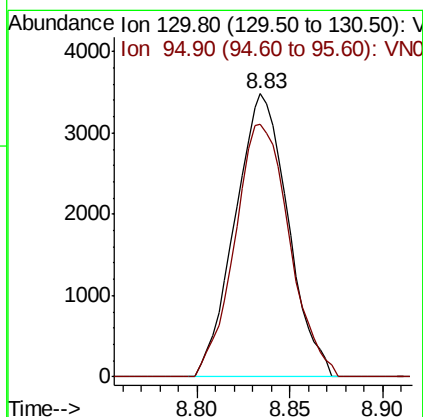
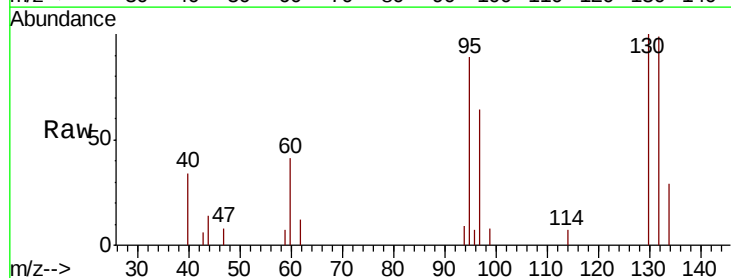
Acq: 10 Jun 2019 16:12

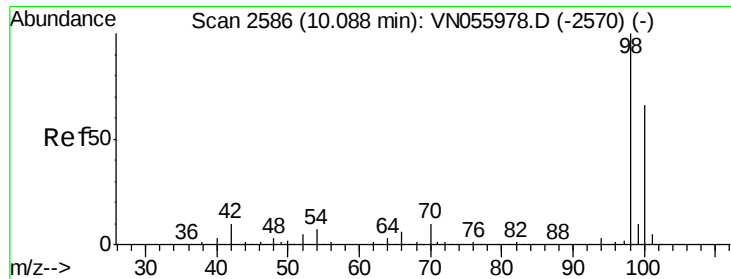
Tgt Ion: 130 Resp: 6907

Ion Ratio Lower Upper

130 100

95 89.4 0.0 188.0





#50

Toluene-d8

Concen: 53.911 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

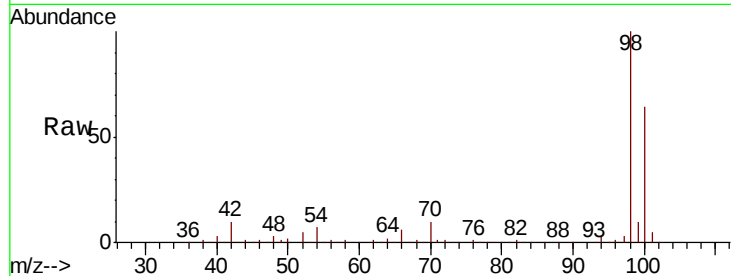
BP-FW-MW03-20190608

Tot Ion: 98 Resp: 630740

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

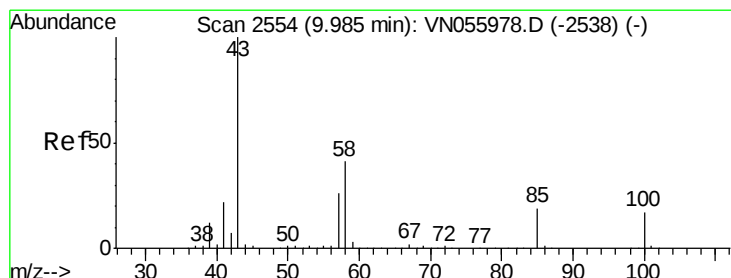
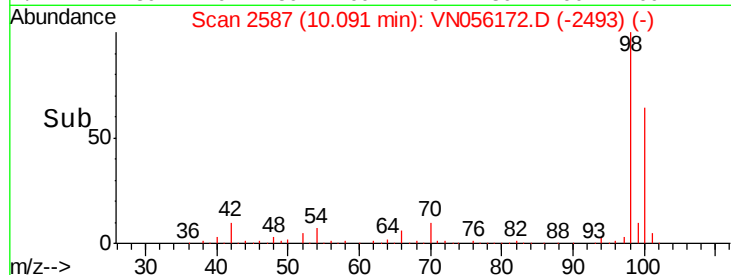
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.667 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056172.D

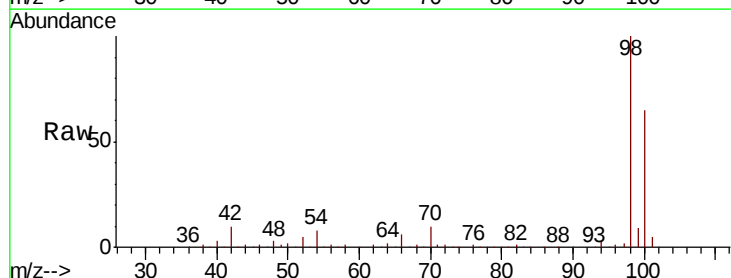
Acq: 10 Jun 2019 16:12

Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

58 176.5 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) (-)

10.09

2500

2000

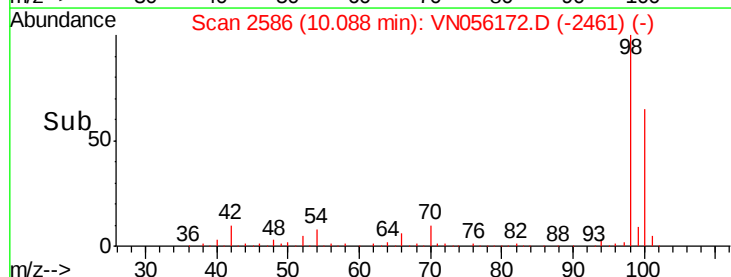
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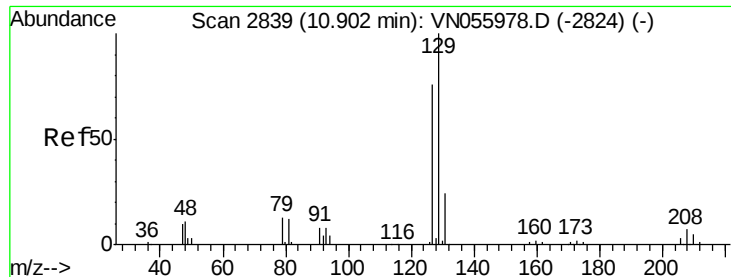
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 3.402 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

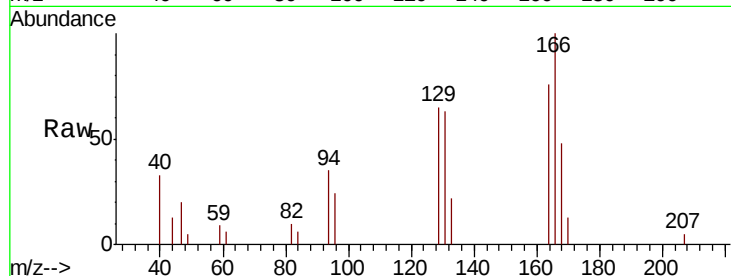
BP-FW-MW03-20190608

Tot Ion:129 Resp: 3517

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

2500

2000

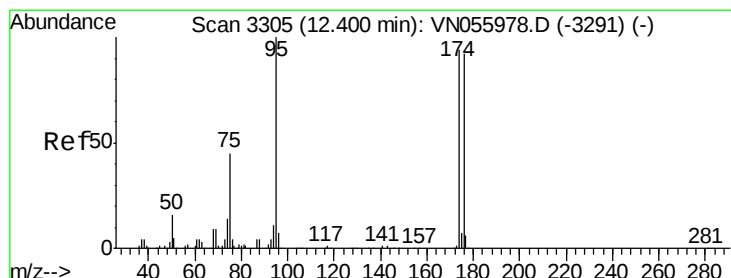
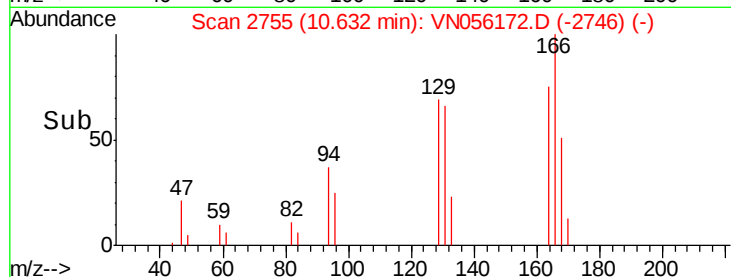
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.617 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

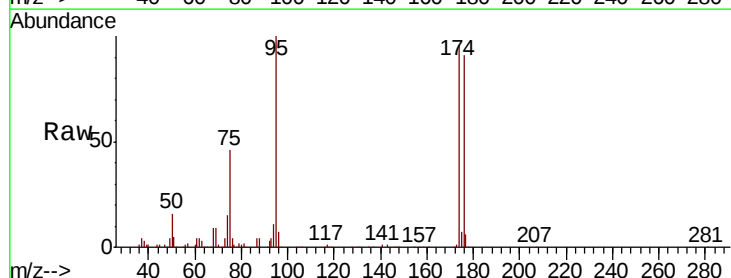
Tgt Ion: 95 Resp: 201395

Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

176 93.3 0.0 185.2



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

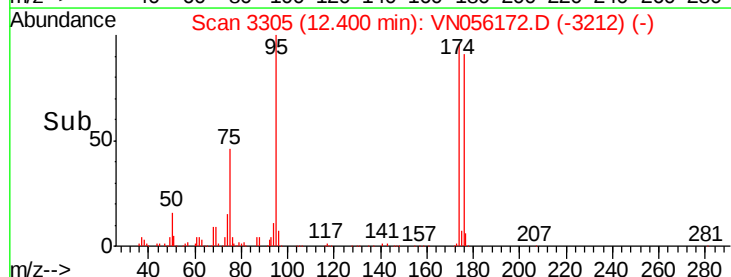
150000

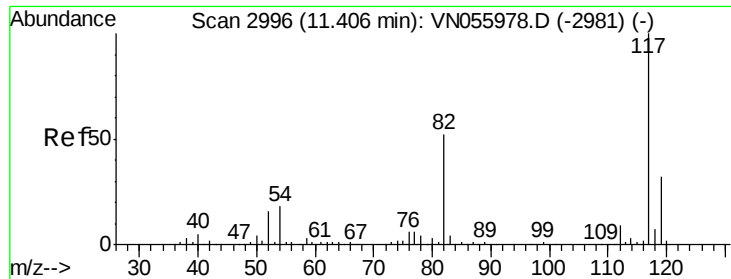
100000

50000

0

Time-->

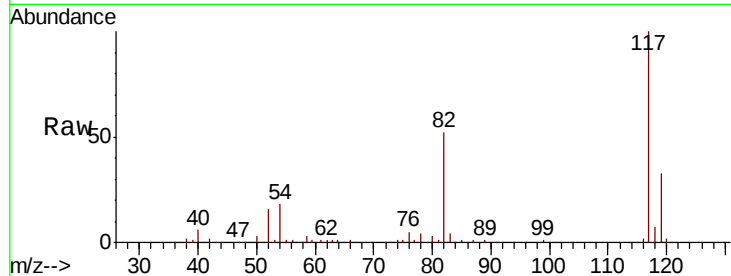




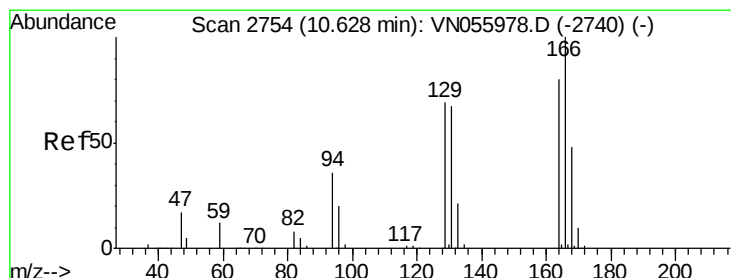
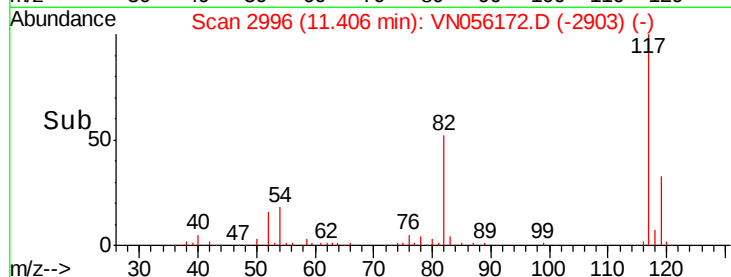
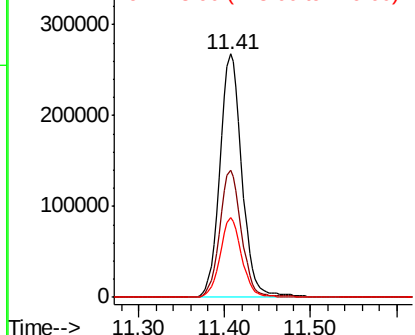
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056172.D
Acq: 10 Jun 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
BP-FW-MW03-20190608

Tot Ion:117 Resp: 477744
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.5 25.4 38.0

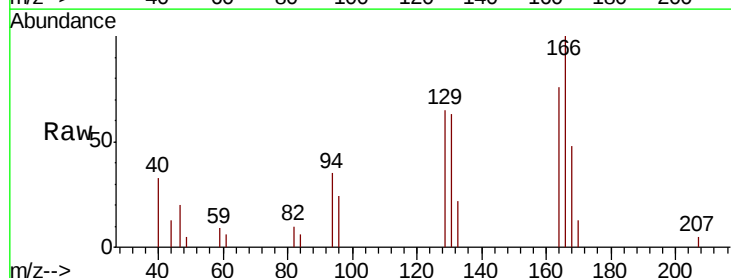


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

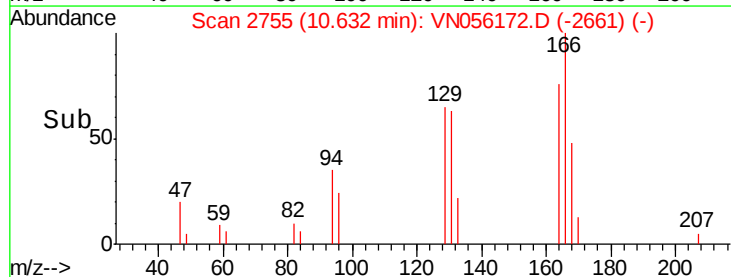
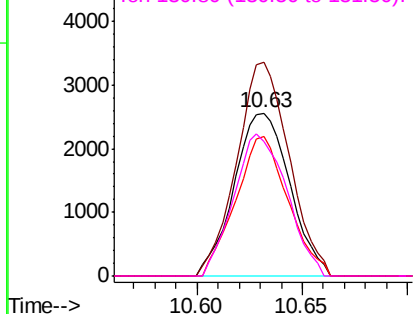


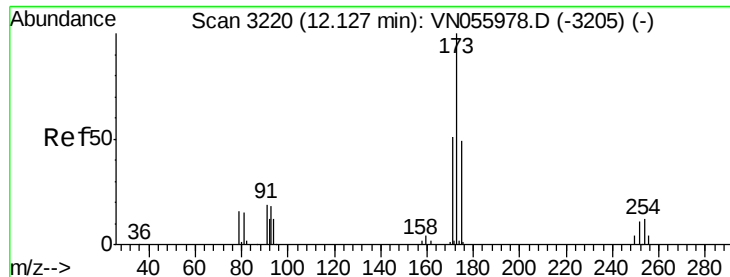
#64
Tetrachloroethene
Concen: 1.135 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056172.D
Acq: 10 Jun 2019 16:12

Tgt Ion:164 Resp: 4693
Ion Ratio Lower Upper
164 100
166 131.0 103.0 154.6
129 85.8 70.6 105.8
131 82.2 68.6 102.8



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





#71

Bromoform

Concen: 3.205 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-FW-MW03-20190608

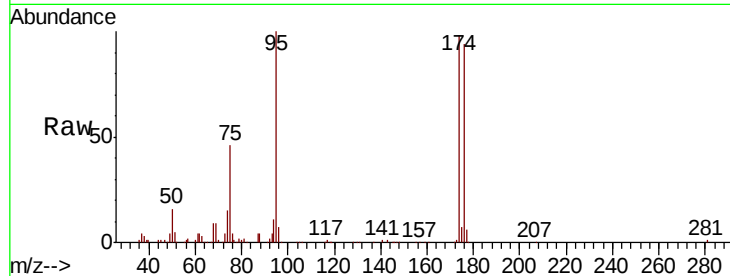
Tot Ion:173 Resp: 1350

Ion Ratio Lower Upper

173 100

175 899.6 24.3 72.8#

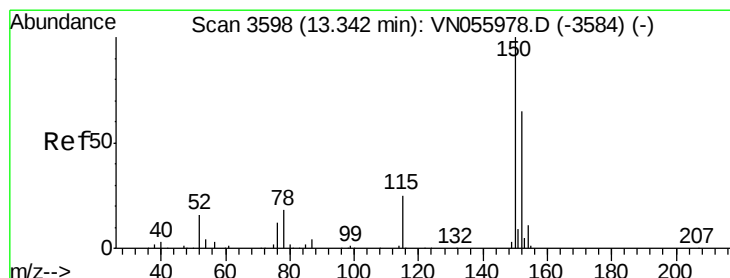
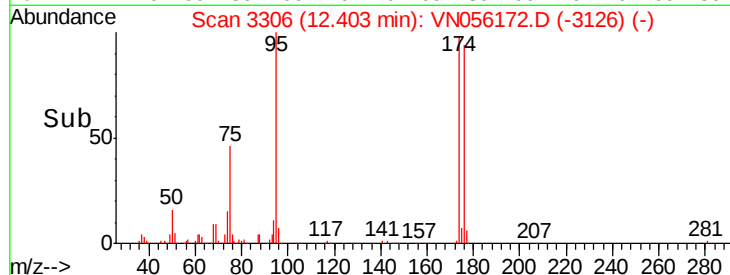
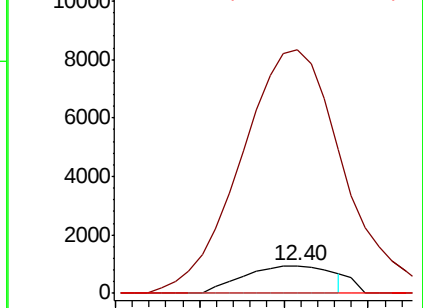
254 0.0 0.0 0.0



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: VN056172.D

Acq: 10 Jun 2019 16:12

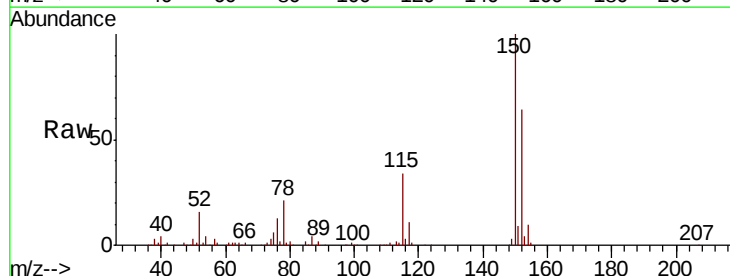
Tgt Ion:152 Resp: 151639

Ion Ratio Lower Upper

152 100

115 52.0 27.0 81.0

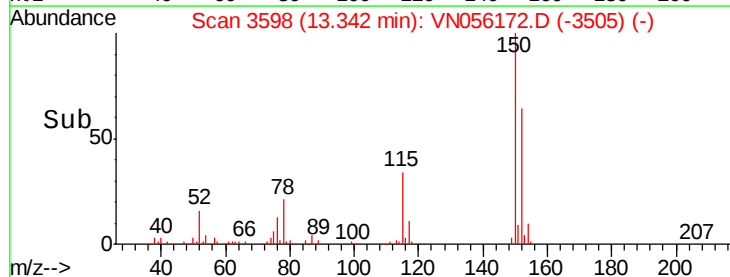
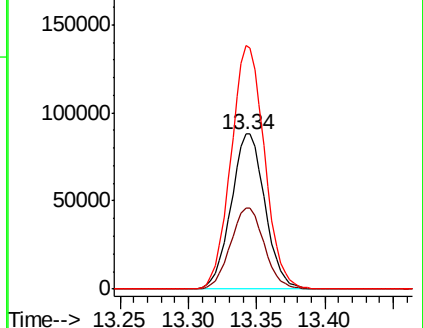
150 155.4 0.0 343.2

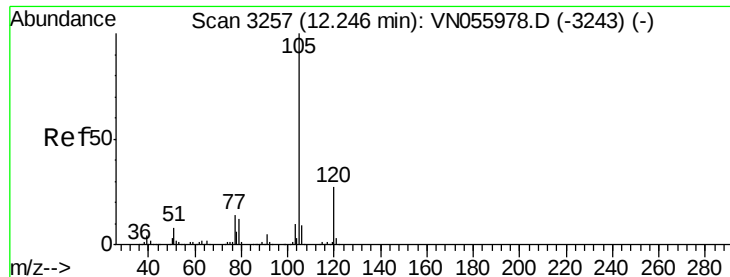


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056172.D

Acq: 10 Jun 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

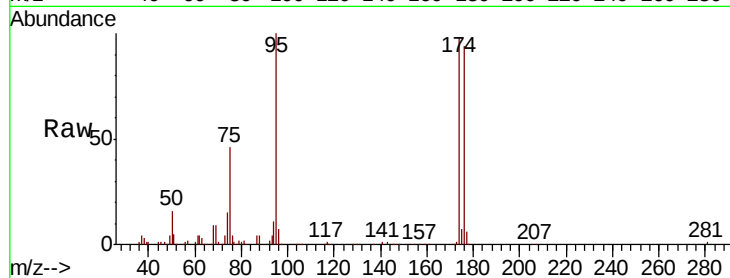
BP-FW-MW03-20190608

Tot Ion: 105 Resp: 142

Ion Ratio Lower Upper

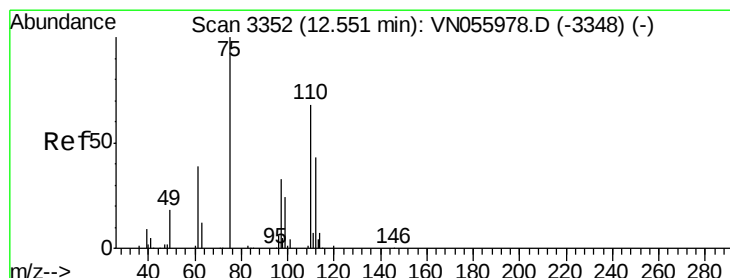
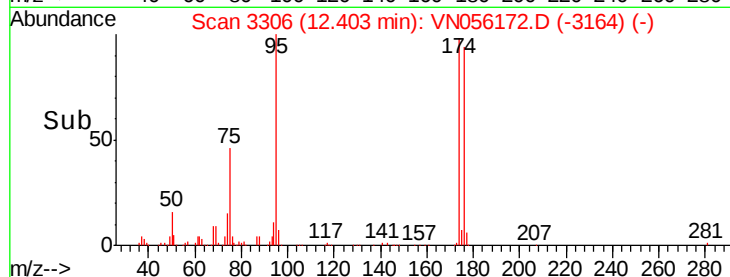
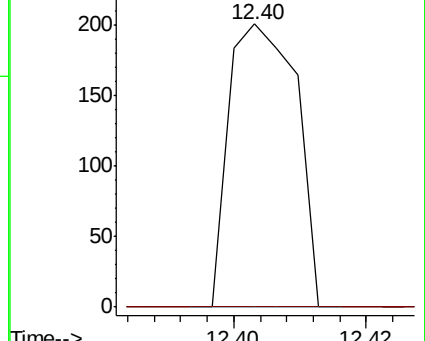
105 100

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



#76

1,2,3-Trichloropropane

Concen: 32.902 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056172.D

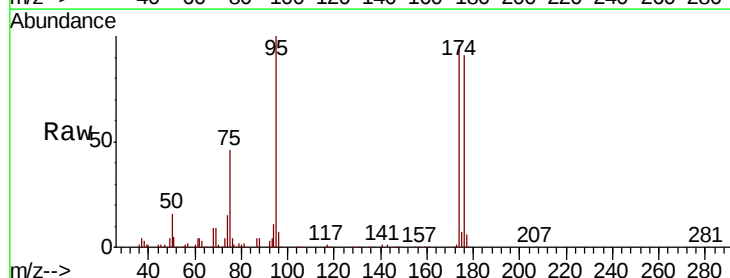
Acq: 10 Jun 2019 16:12

Tgt Ion: 75 Resp: 91804

Ion Ratio Lower Upper

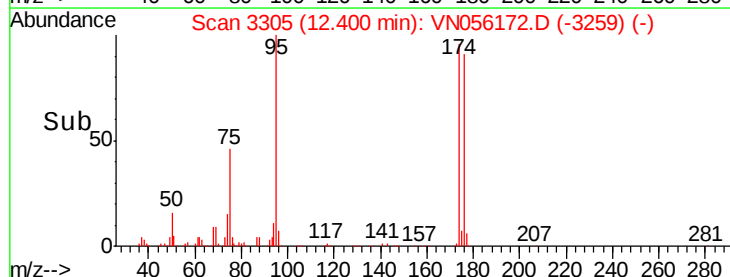
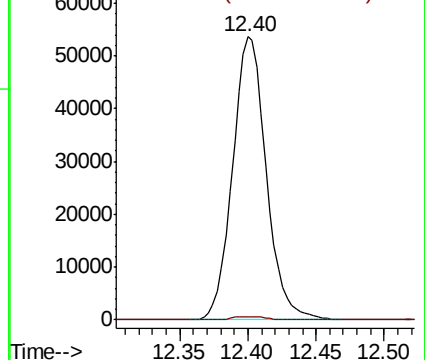
75 100

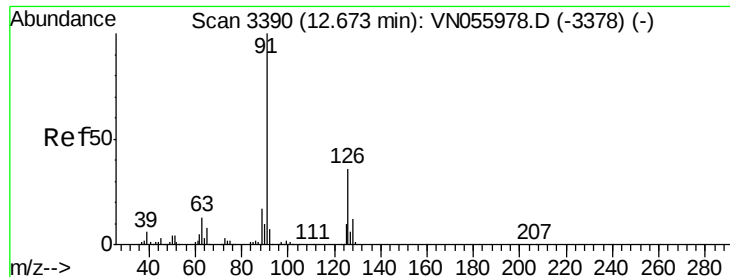
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

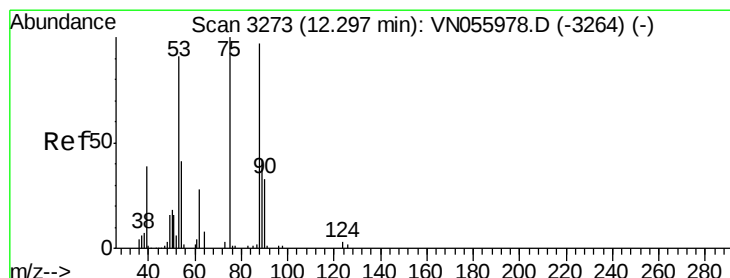
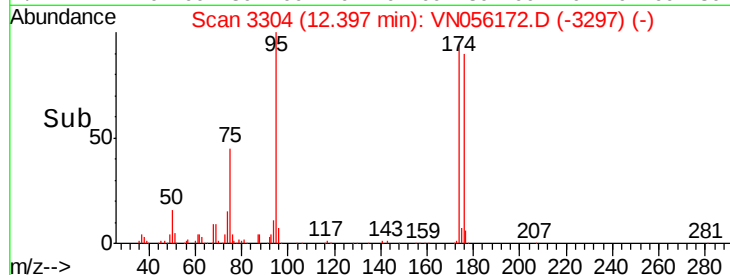
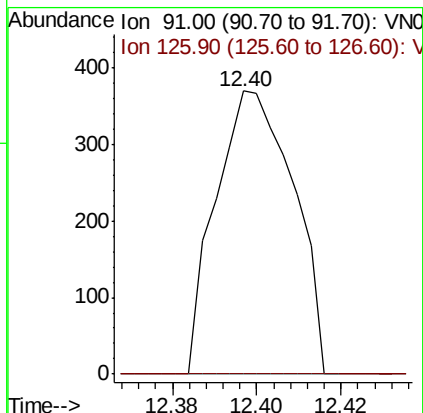
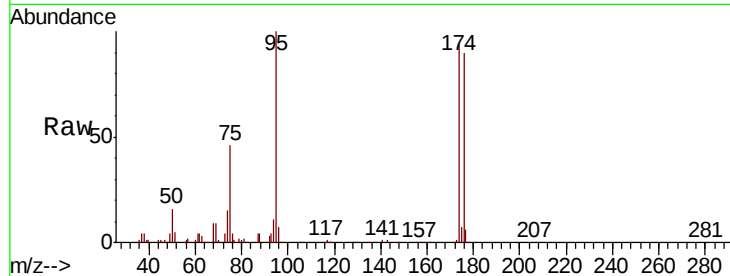




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.28 min
 Lab File: VN056172.D
 Acq: 10 Jun 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-FW-MW03-20190608

Tot Ion: 91 Resp: 472
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.570 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056172.D
 Acq: 10 Jun 2019 16:12

Tgt Ion: 75 Resp: 91804
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

