

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\  
 Data File : VU024932.D  
 Acq On : 26 Jun 2018 20:19  
 Operator : MD/SY  
 Sample : J3669-07ME  
 Misc : 5.94g/5.0ml/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WP021SB484-35-37-180620ME

Quant Time: Jun 27 04:36:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

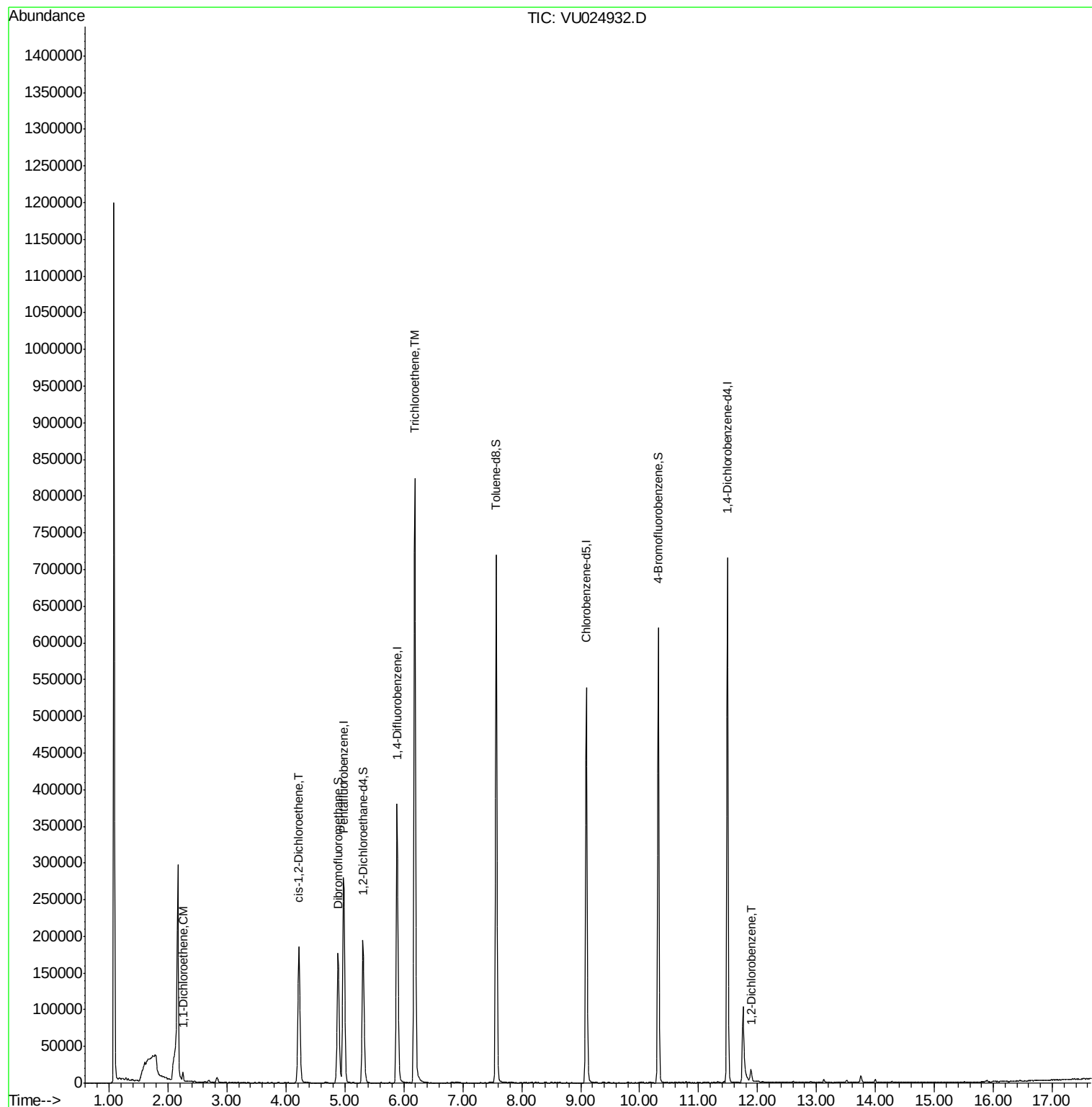
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 222477   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 341959   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 329023   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 189071   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 168699   | 46.45 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.90% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 129774   | 45.73 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.46% |          |
| 50) Toluene-d8              | 7.57  | 98   | 493452   | 47.67 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.34% |          |
| 62) 4-Bromofluorobenzene    | 10.32 | 95   | 204715   | 49.81 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.62% |          |
| Target Compounds            |       |      |          |       |        |          |
| 12) 1,1-Dichloroethene      | 2.25  | 96   | 3258     | 1.29  | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene  | 4.22  | 96   | 108219   | 33.74 | ug/l   | 89       |
| 44) Trichloroethene         | 6.18  | 130  | 300003   | 92.06 | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene     | 11.89 | 146  | 5556     | 0.82  | ug/l   | 96       |

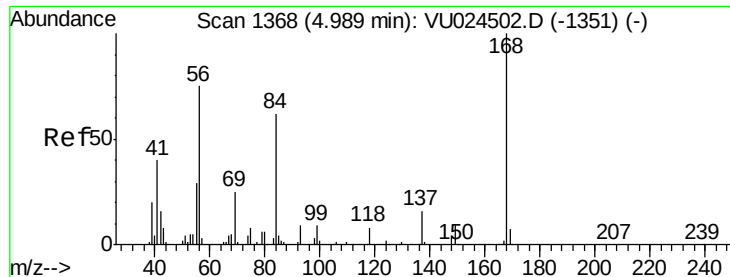
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062718\  
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WP021SB484-35-37-180620ME

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

Instrument :

MSVOA\_U

ClientSampleId :

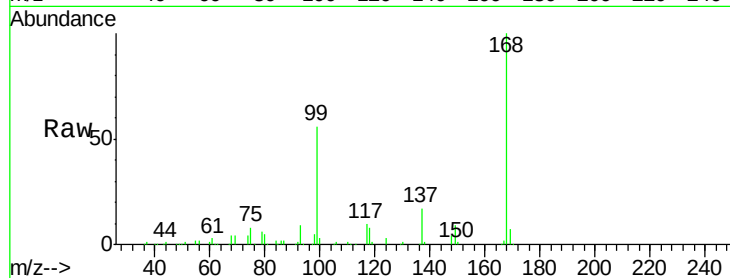
WP021SB484-35-37-180620ME

Tot Ion:168 Resp: 222477

Ion Ratio Lower Upper

168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.98

100000

80000

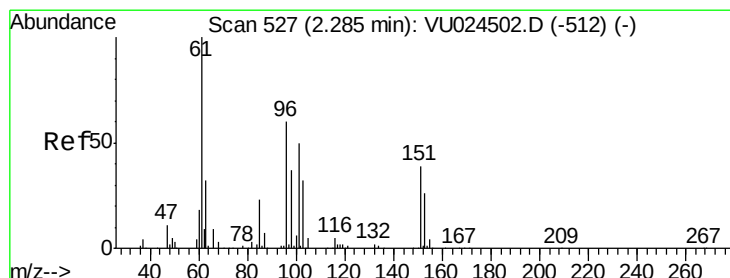
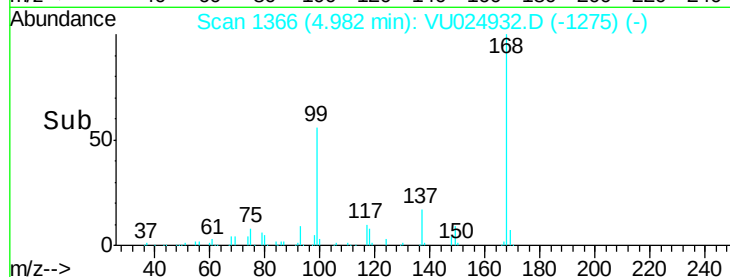
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.29 ug/l

RT: 2.25 min Scan# 517

Delta R.T. -0.03 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

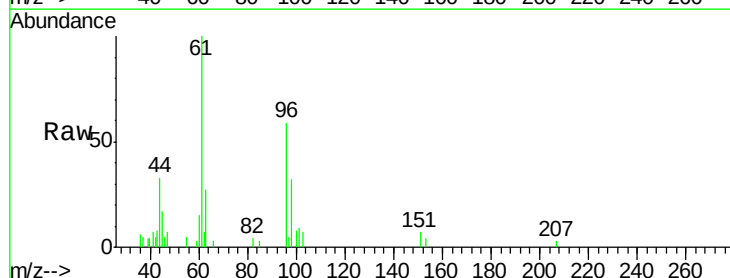
Tgt Ion: 96 Resp: 3258

Ion Ratio Lower Upper

96 100

61 169.9 141.7 212.5

98 54.3 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-512) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-512) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-512) (-)

2.25

5000

4000

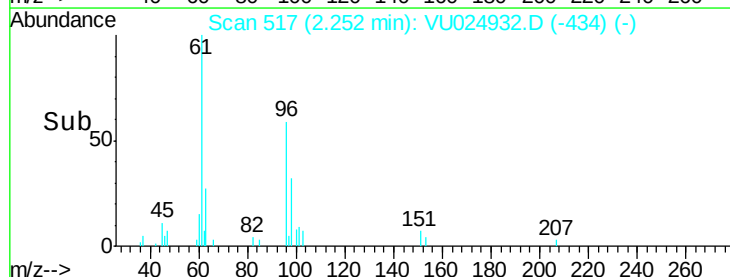
3000

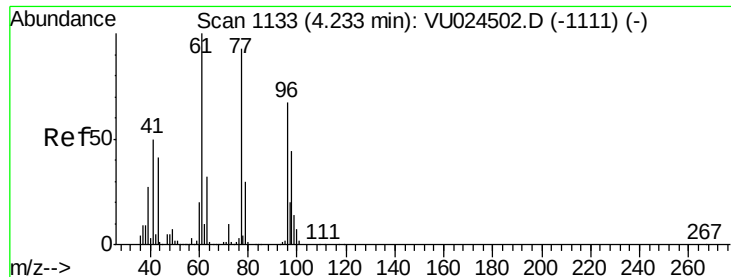
2000

1000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 33.74 ug/l

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

Instrument :

MSVOA\_U

ClientSampleId :

WP021SB484-35-37-180620ME

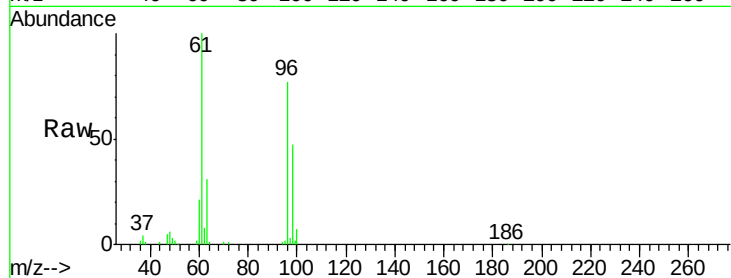
Tot Ion: 96 Resp: 108219

Ion Ratio Lower Upper

96 100

61 134.0 0.0 306.6

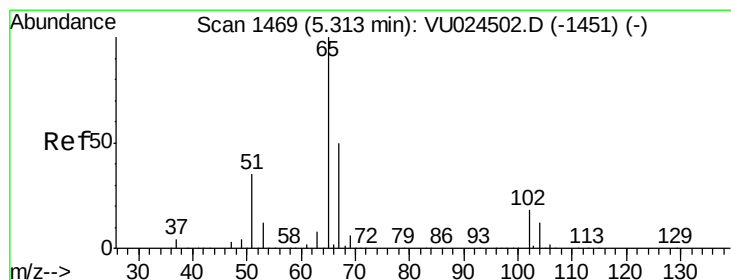
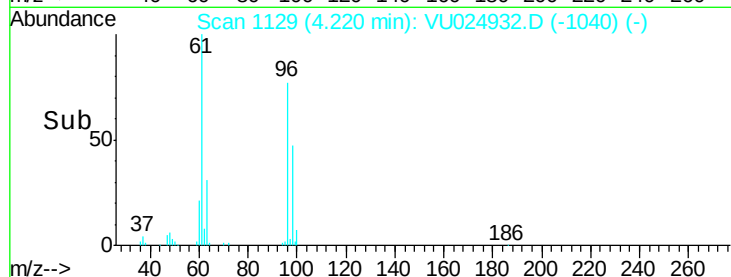
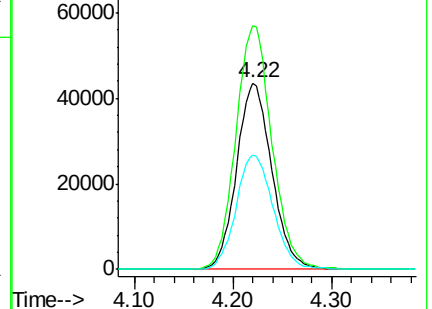
98 64.4 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 46.45 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU024932.D

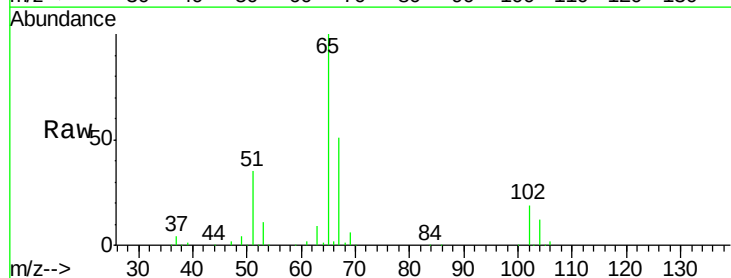
Acq: 26 Jun 2018 20:19

Tgt Ion: 65 Resp: 168699

Ion Ratio Lower Upper

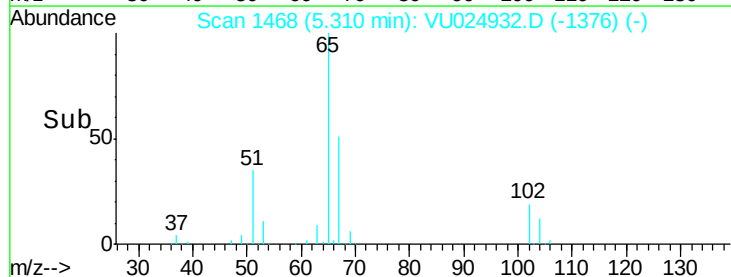
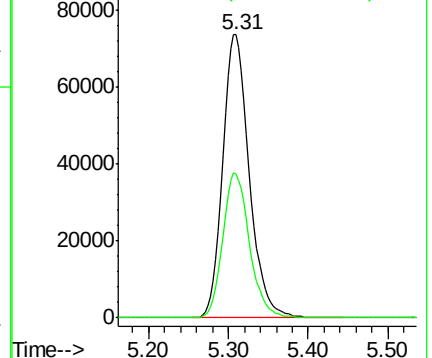
65 100

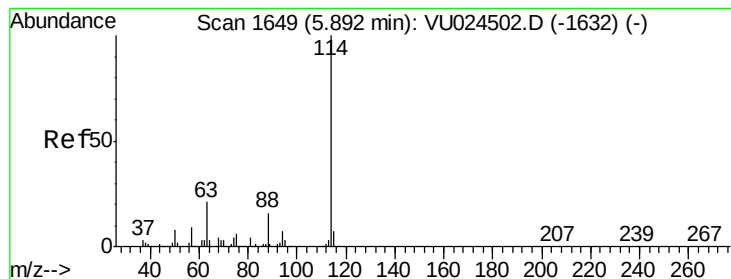
67 51.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

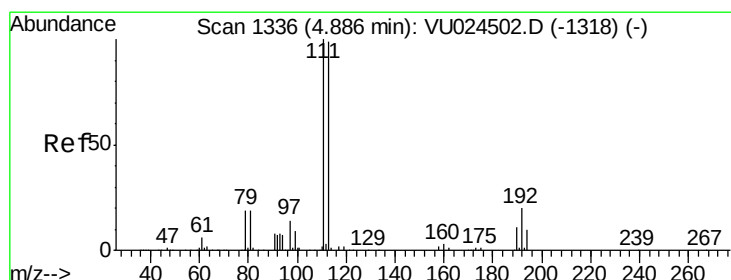
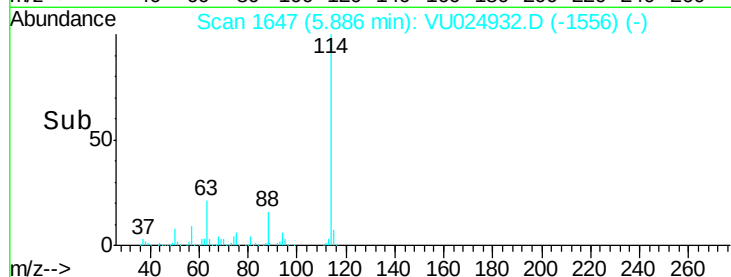
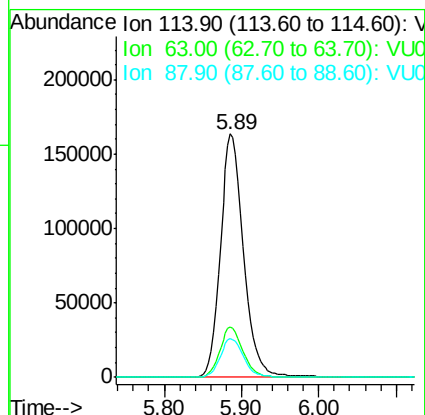
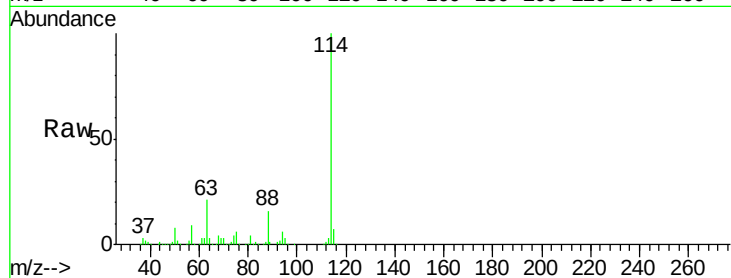
Instrument :

MSVOA\_U

ClientSampleId :

WP021SB484-35-37-180620ME

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 114   | Resp: | 341959 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.8  | 0.0   | 45.4   |
| 88       | 15.9  | 0.0   | 31.0   |



#35

Dibromofluoromethane

Concen: 45.73 ug/l

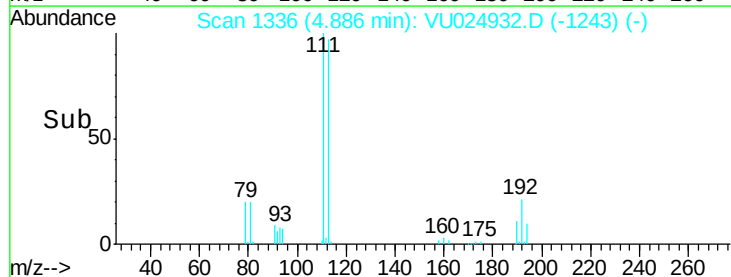
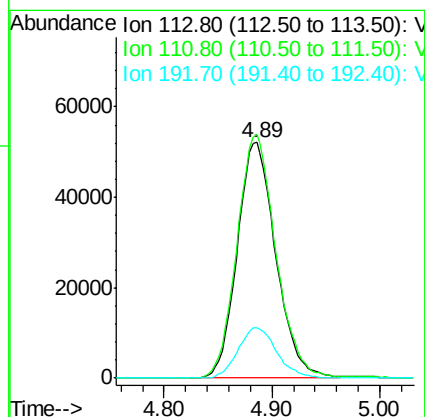
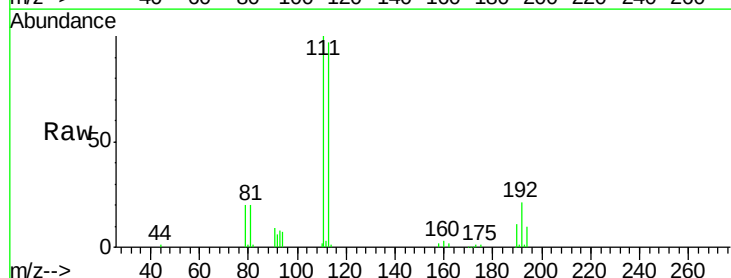
RT: 4.89 min Scan# 1336

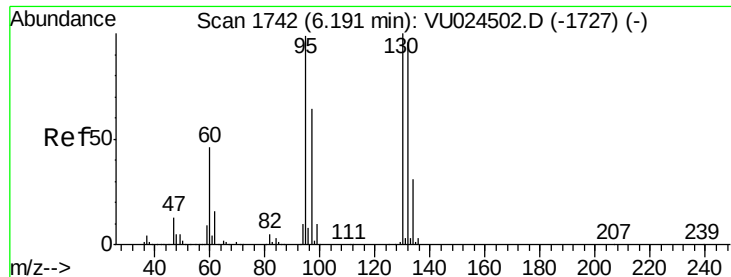
Delta R.T. 0.00 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 129774 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.9 | 82.2  | 123.4  |
| 192      | 21.4  | 16.2  | 24.4   |





#44

Trichloroethene

Concen: 92.06 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

Instrument :

MSVOA\_U

ClientSampleId :

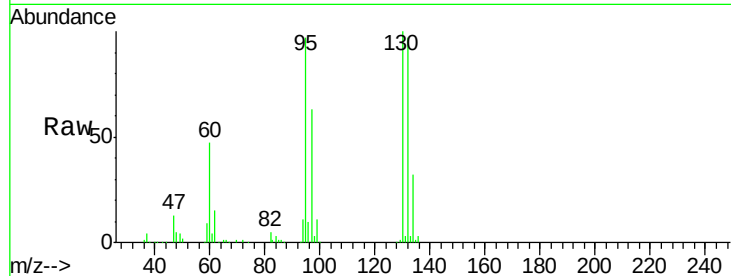
WP021SB484-35-37-180620ME

Tot Ion:130 Resp: 300003

Ion Ratio Lower Upper

130 100

95 97.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

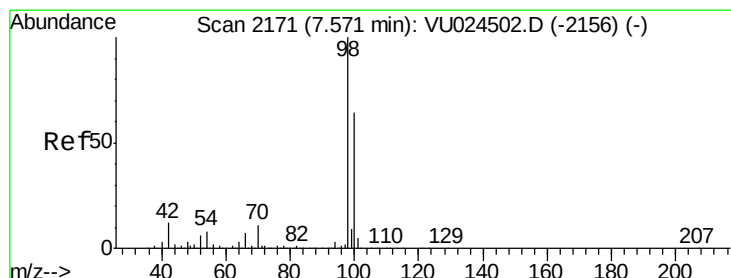
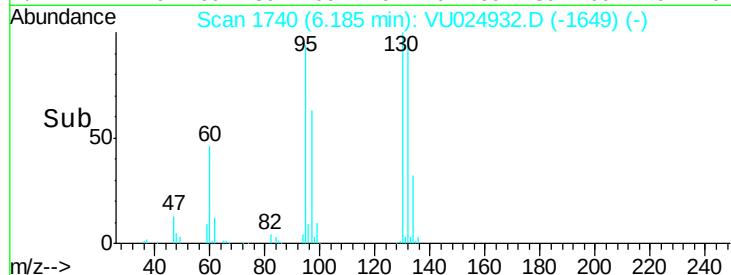
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 47.67 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024932.D

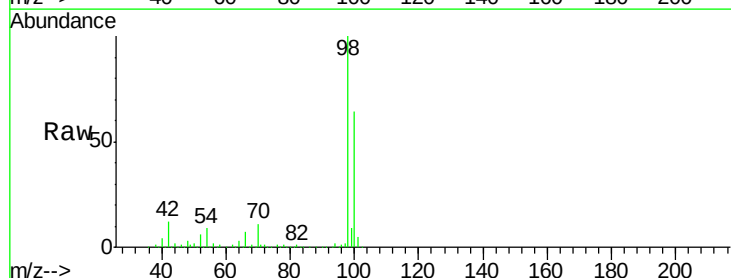
Acq: 26 Jun 2018 20:19

Tgt Ion: 98 Resp: 493452

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

7.57

300000

250000

200000

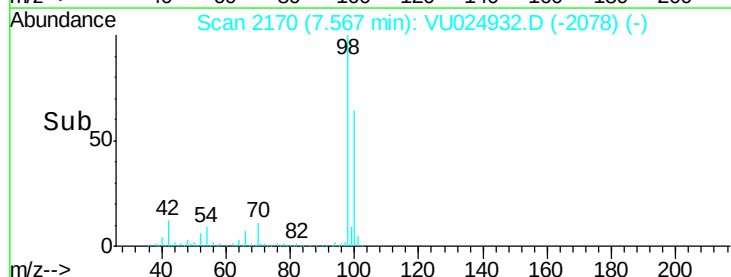
150000

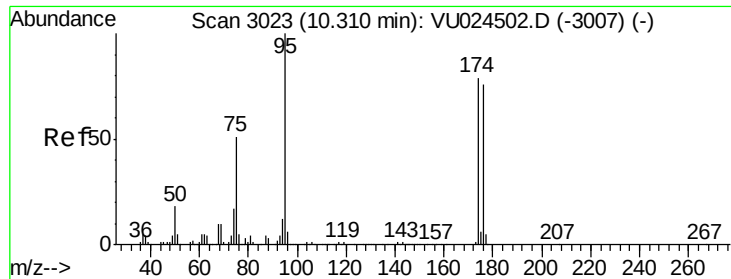
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.81 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

Instrument :

MSVOA\_U

ClientSampleId :

WP021SB484-35-37-180620ME

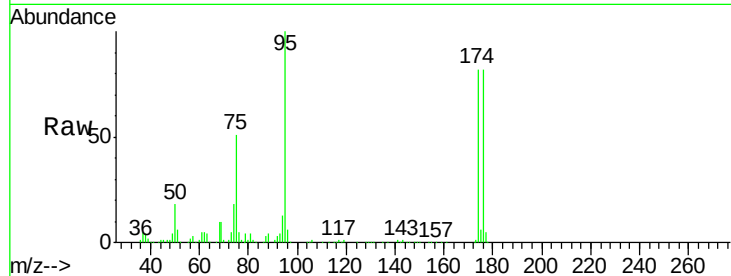
Tot Ion: 95 Resp: 204715

Ion Ratio Lower Upper

95 100

174 82.9 0.0 165.8

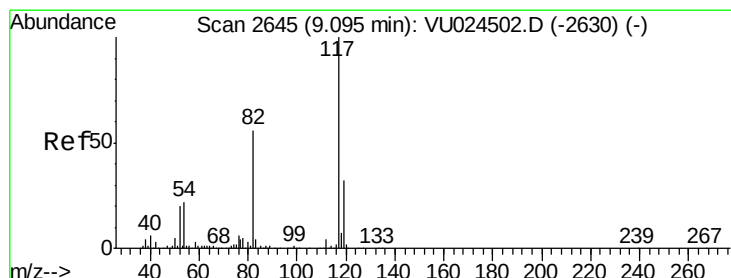
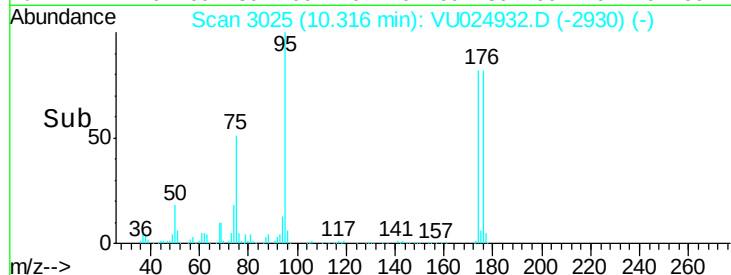
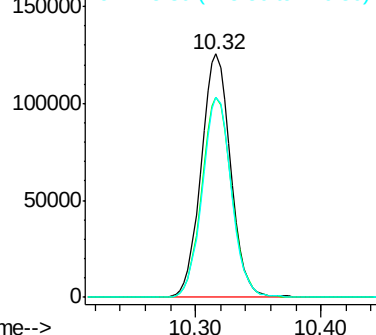
176 81.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

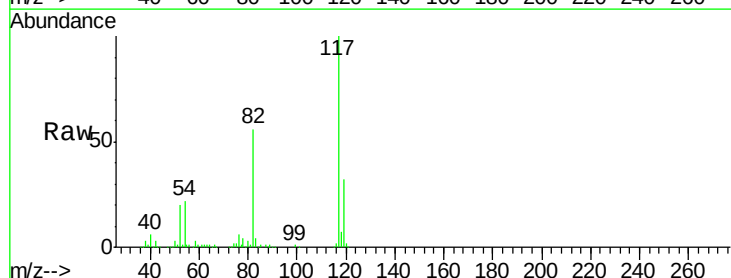
Tgt Ion: 117 Resp: 329023

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

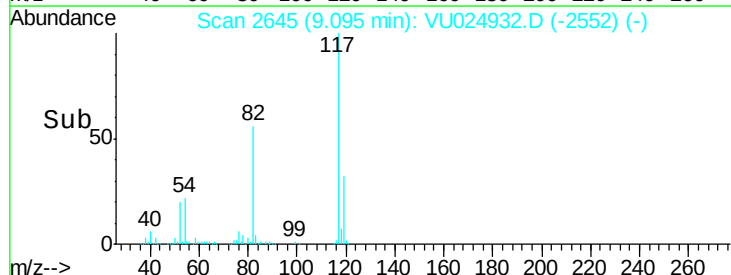
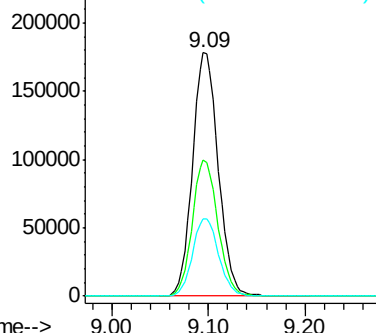
119 31.7 25.4 38.2

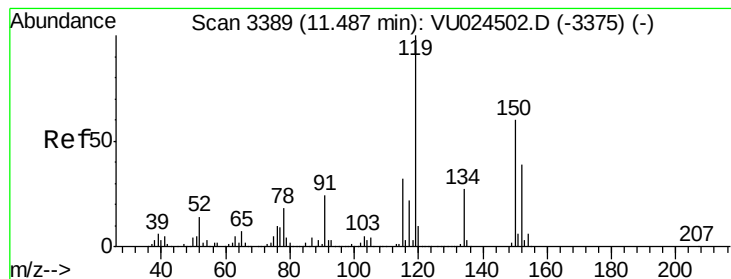


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

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MSVOA\_U

ClientSampleId :

WP021SB484-35-37-180620ME

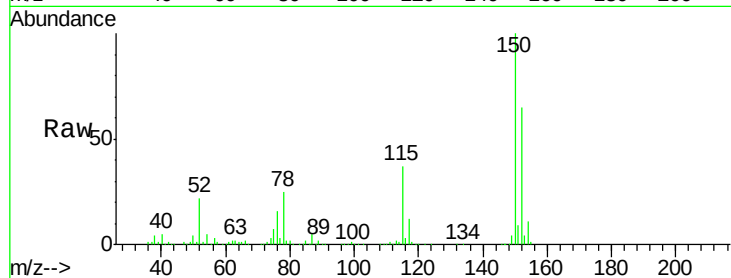
Tot Ion:152 Resp: 189071

Ion Ratio Lower Upper

152 100

115 57.3 43.0 129.0

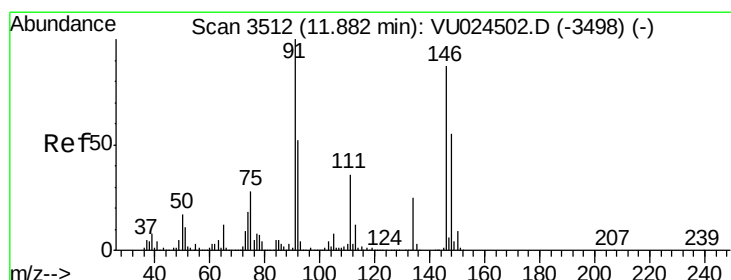
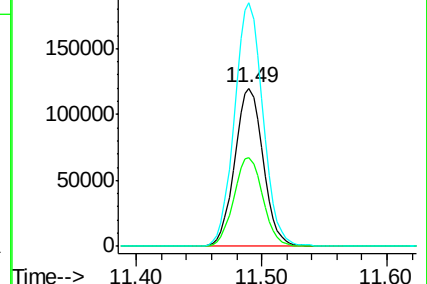
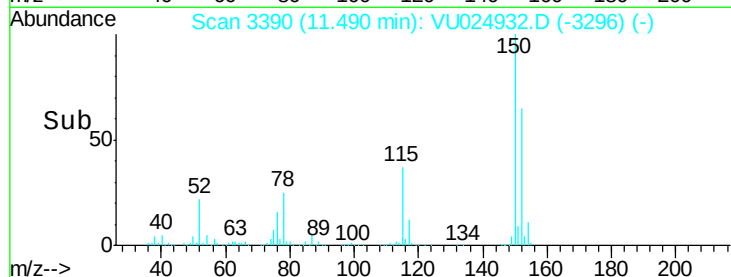
150 154.3 0.0 354.0



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



#91

1,2-Dichlorobenzene

Concen: 0.82 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU024932.D

Acq: 26 Jun 2018 20:19

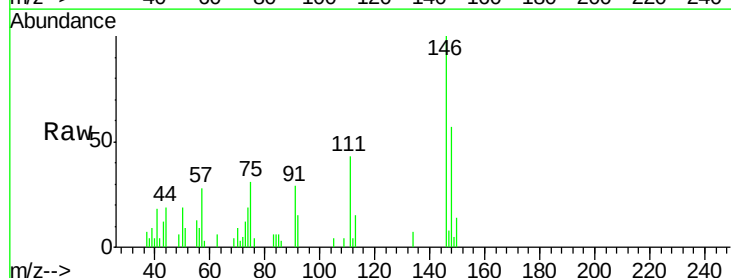
Tgt Ion:146 Resp: 5556

Ion Ratio Lower Upper

146 100

111 44.0 20.5 61.6

148 60.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

