

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\  
 Data File : VU025224.D  
 Acq On : 05 Jul 2018 18:41  
 Operator : MD/SY  
 Sample : J3840-13  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-4-S

Quant Time: Jul 06 07:03:05 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      | 4.99  | 168  | 211702   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 317944   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 294443   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 153686   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response   | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|------------|--------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 161466     | 46.72  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 93.44% |       |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 125378     | 47.52  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 95.04% |       |          |
| 50) Toluene-d8              | 7.57  | 98   | 455665     | 47.34  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 94.68% |       |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 168817     | 44.18  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 88.36% |       |          |

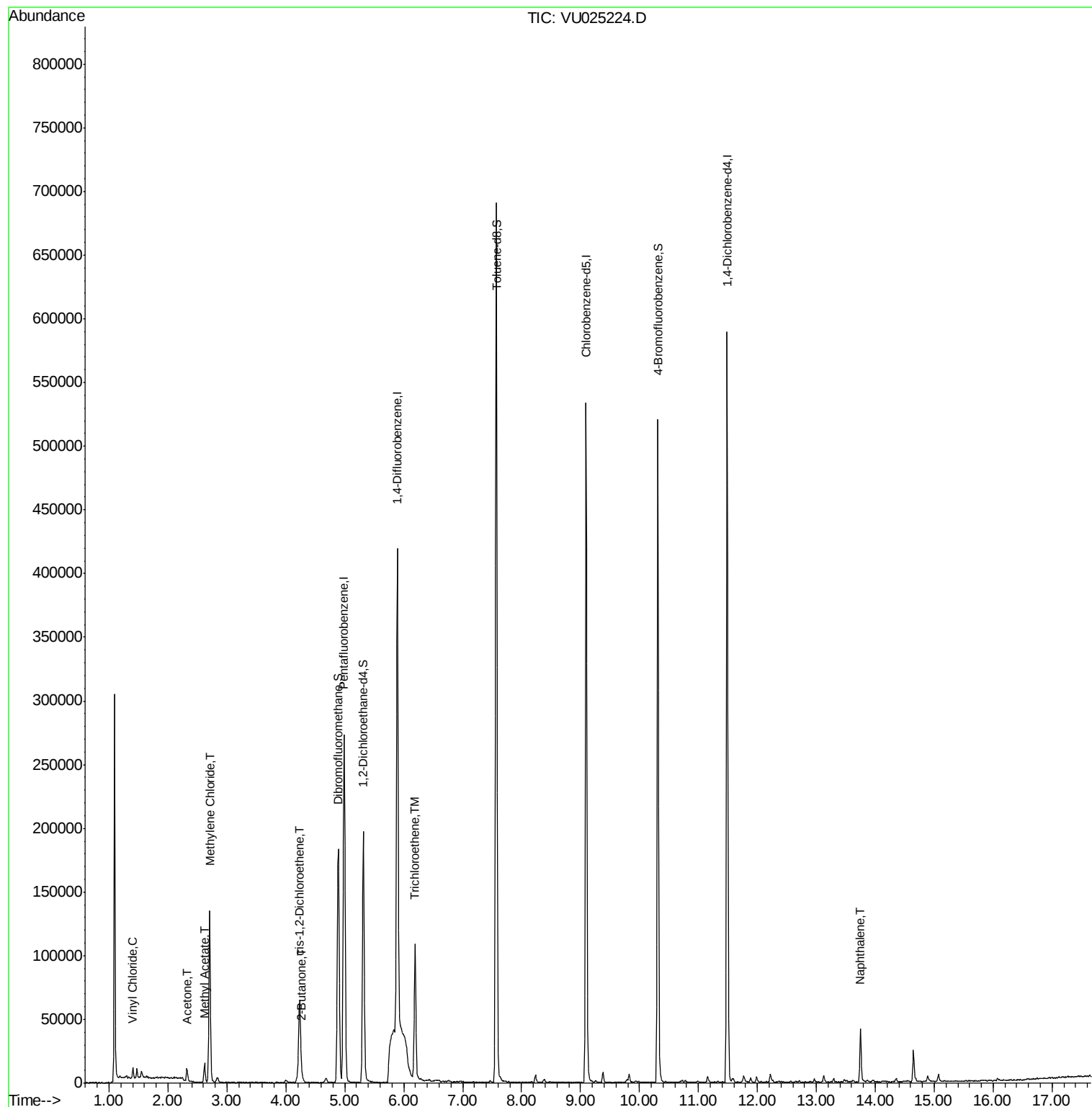
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 4) Vinyl Chloride          | 1.40  | 62   | 4718     | 1.690  | ug/l  | 90     |
| 16) Acetone                | 2.32  | 43   | 10800    | 5.816  | ug/l  | 99     |
| 18) Methyl Acetate         | 2.62  | 43   | 17674    | 4.440  | ug/l  | 99     |
| 20) Methylene Chloride     | 2.71  | 84   | 61129    | 20.980 | ug/l  | 96     |
| 25) 2-Butanone             | 4.27  | 43   | 7290     | 2.923  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene | 4.23  | 96   | 36674    | 12.015 | ug/l  | 89     |
| 44) Trichloroethene        | 6.19  | 130  | 37941    | 12.523 | ug/l  | 89     |
| 95) Naphthalene            | 13.75 | 128  | 35894    | 3.812  | ug/l  | 98     |

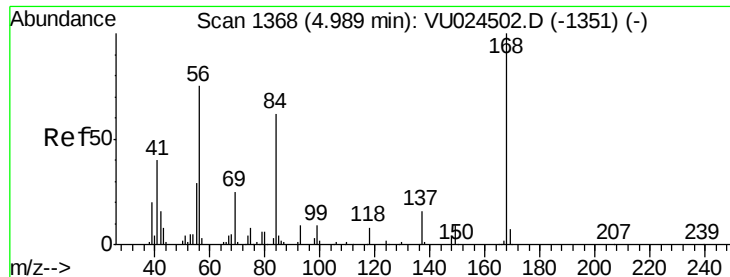
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

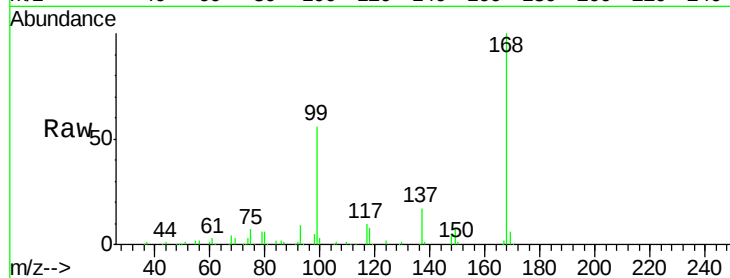
TP-4-S

Tot Ion:168 Resp: 211702

Ion Ratio Lower Upper

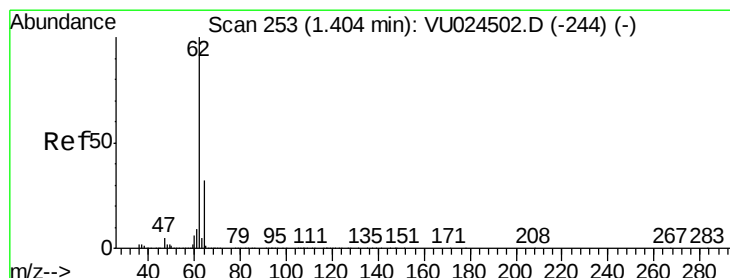
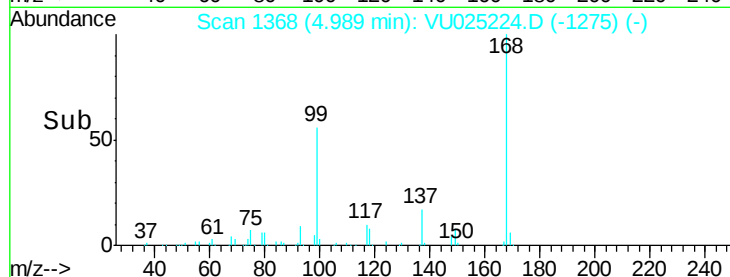
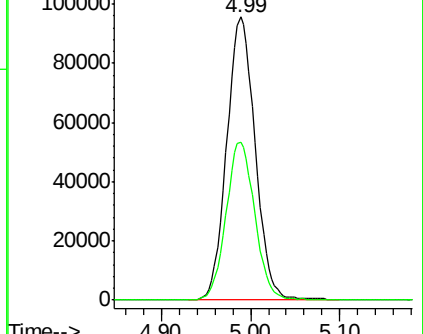
168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 1.690 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025224.D

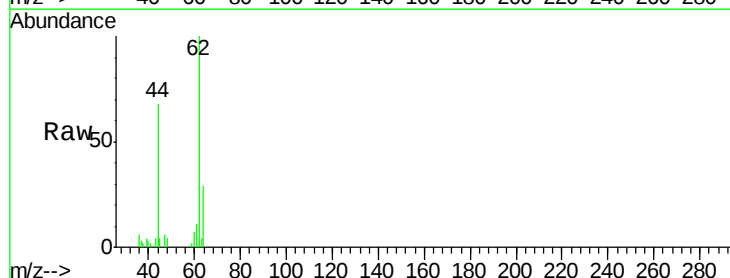
Acq: 05 Jul 2018 18:41

Tgt Ion: 62 Resp: 4718

Ion Ratio Lower Upper

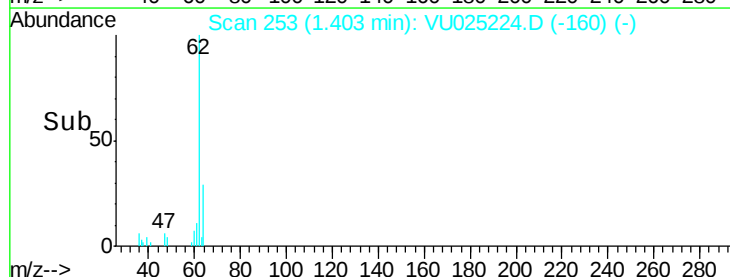
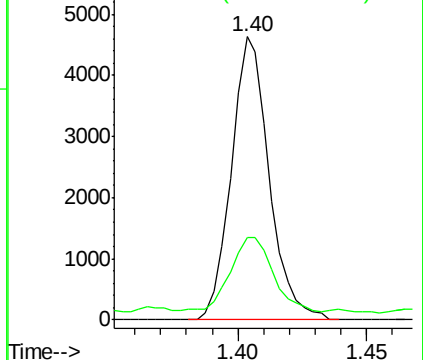
62 100

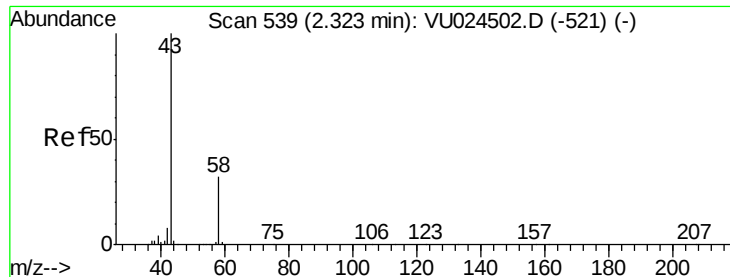
64 25.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#16

Acetone

Concen: 5.816 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

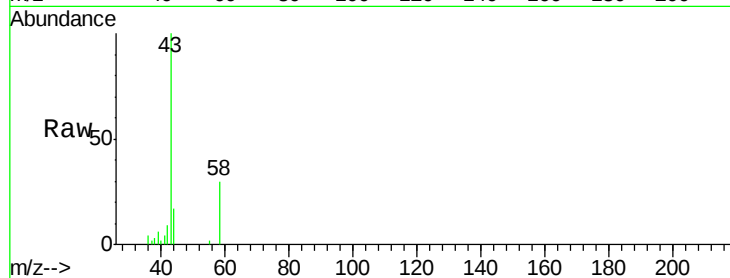
TP-4-S

Tot Ion: 43 Resp: 10800

Ion Ratio Lower Upper

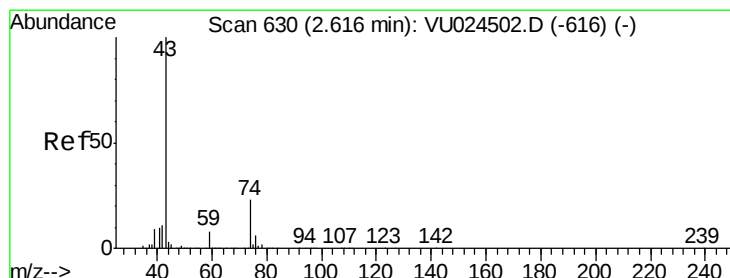
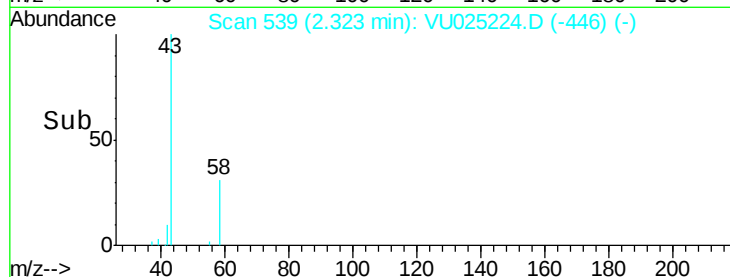
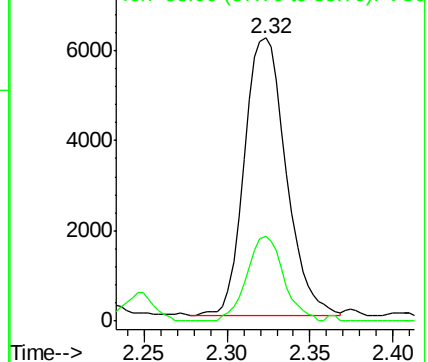
43 100

58 30.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 4.440 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025224.D

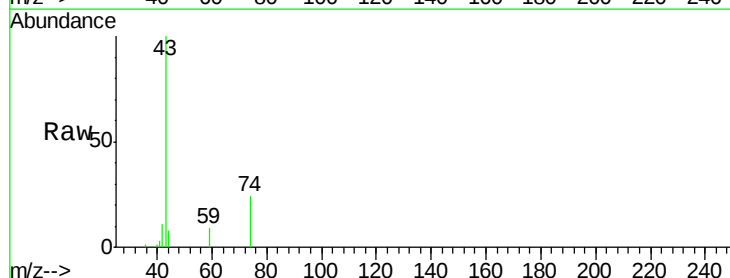
Acq: 05 Jul 2018 18:41

Tgt Ion: 43 Resp: 17674

Ion Ratio Lower Upper

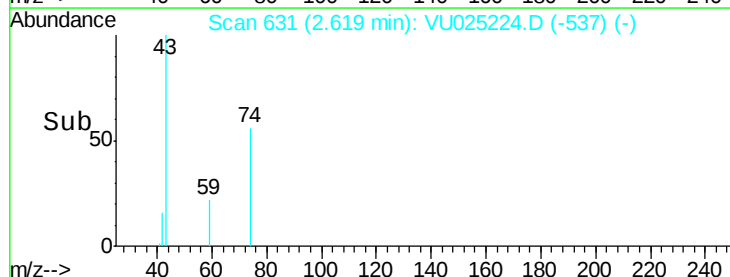
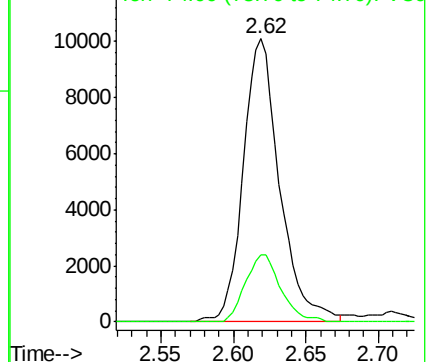
43 100

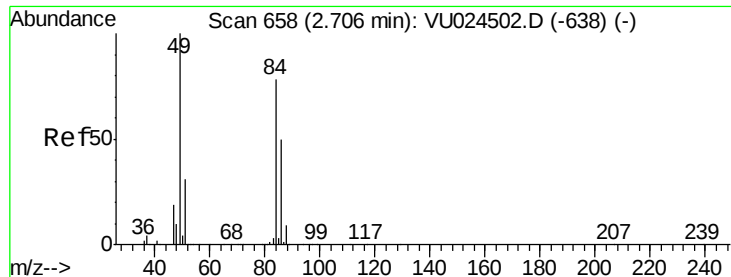
74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

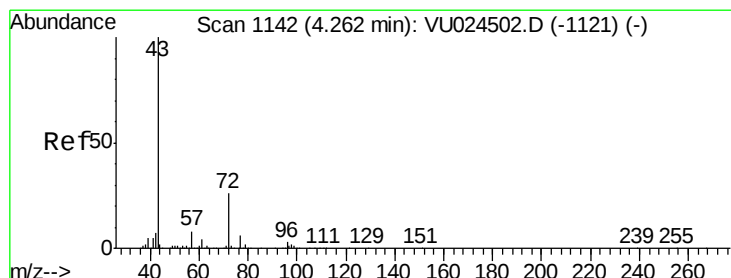
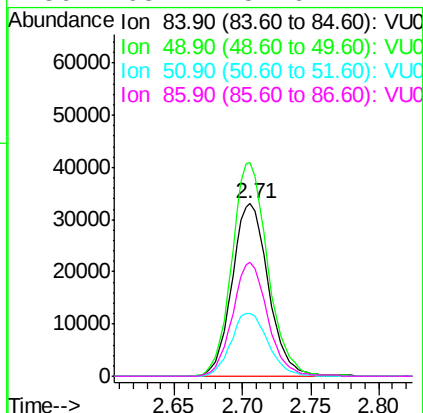
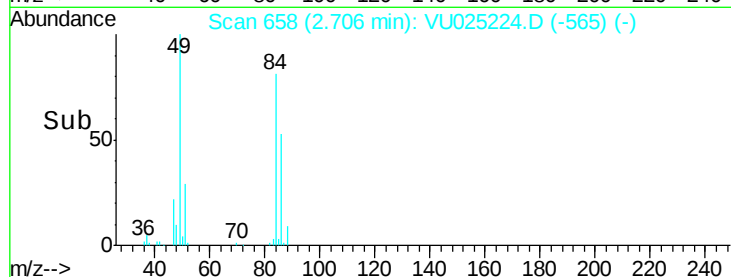
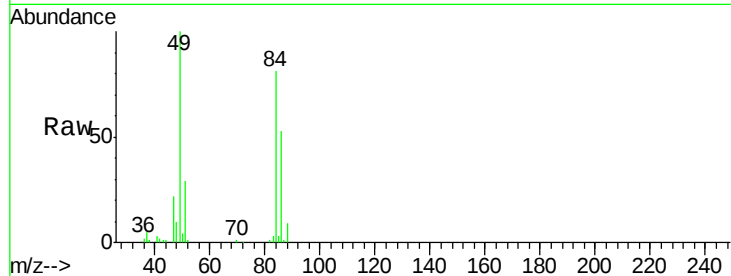




#20  
Methvlene Chloride  
Concen: 20.980 ug/l  
RT: 2.71 min Scan# 658  
Delta R.T. -0.00 min  
Lab File: VU025224.D  
Acq: 05 Jul 2018 18:41

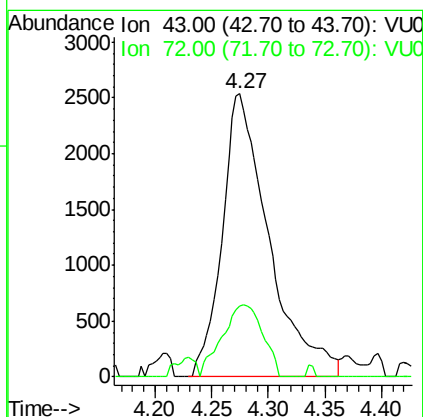
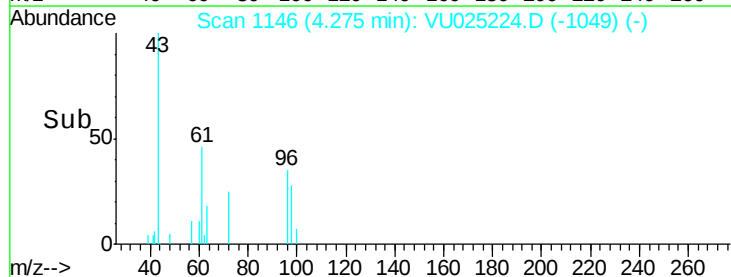
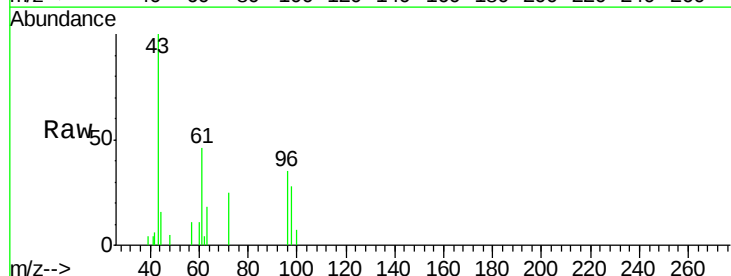
Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-4-S

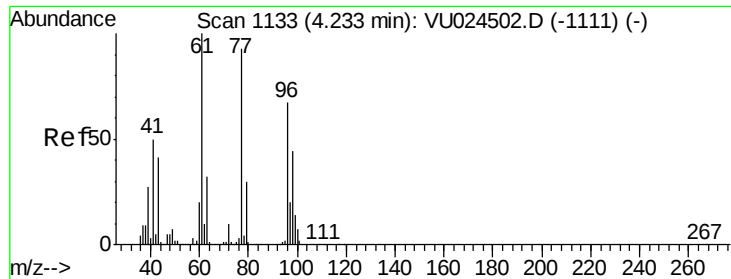
Tot Ion: 84 Resp: 61129  
Ion Ratio Lower Upper  
84 100  
49 123.7 103.8 155.8  
51 36.4 32.0 48.0  
86 65.7 51.6 77.4



#25  
2-Butanone  
Concen: 2.923 ug/l  
RT: 4.27 min Scan# 1146  
Delta R.T. 0.01 min  
Lab File: VU025224.D  
Acq: 05 Jul 2018 18:41

Tgt Ion: 43 Resp: 7290  
Ion Ratio Lower Upper  
43 100  
72 24.9 19.6 29.4





#27

cis-1,2-Dichloroethene

Concen: 12.015 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

TP-4-S

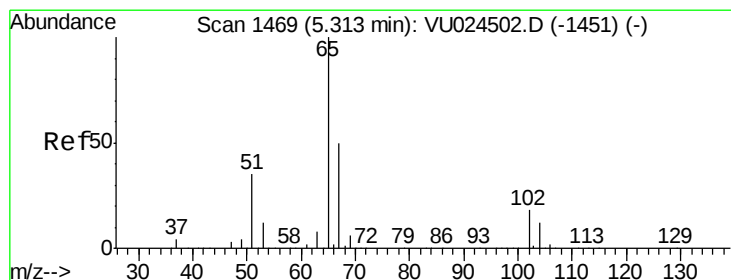
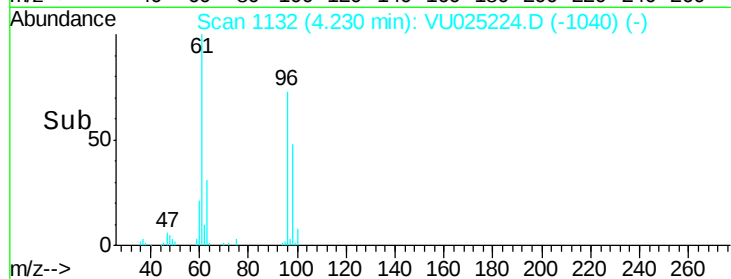
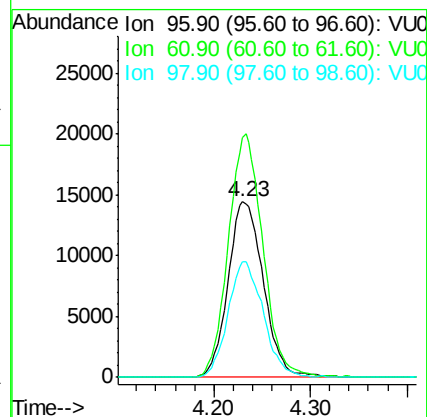
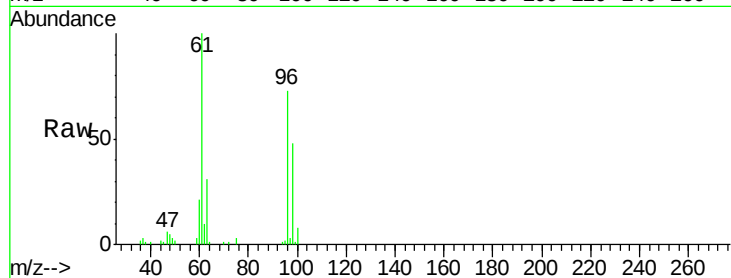
Tot Ion: 96 Resp: 36674

Ion Ratio Lower Upper

96 100

61 134.7 0.0 306.6

98 65.5 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 46.719 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025224.D

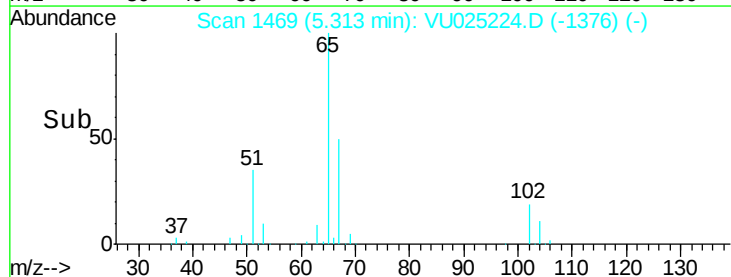
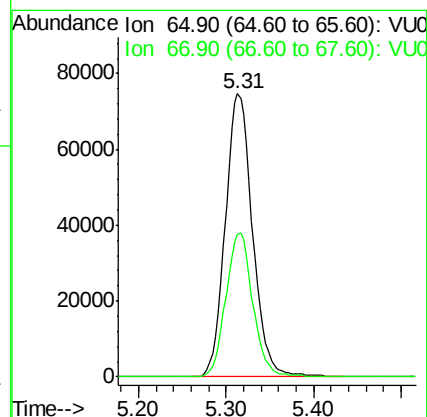
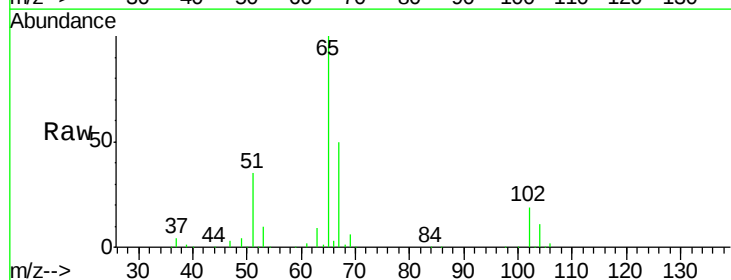
Acq: 05 Jul 2018 18:41

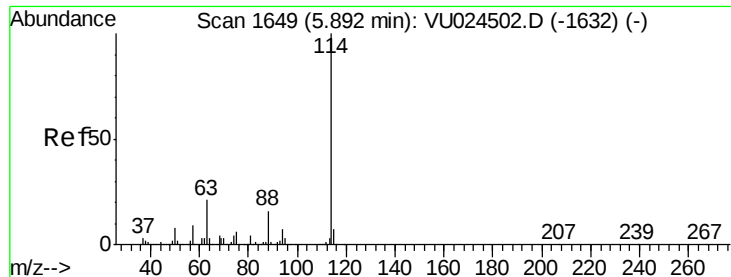
Tgt Ion: 65 Resp: 161466

Ion Ratio Lower Upper

65 100

67 50.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

TP-4-S

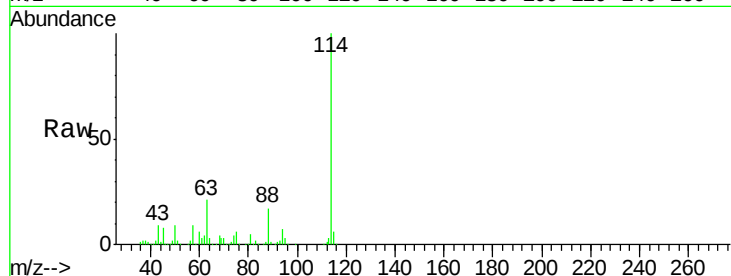
Tot Ion:114 Resp: 317944

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

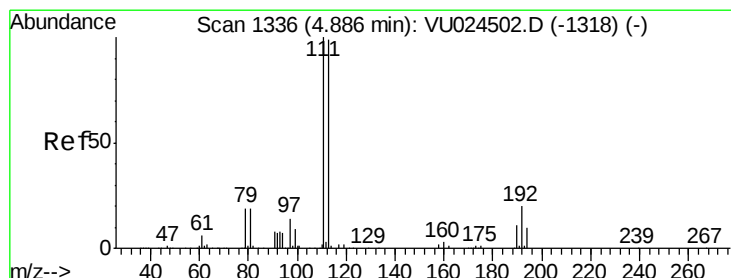
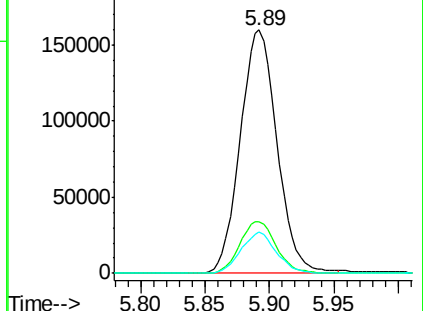
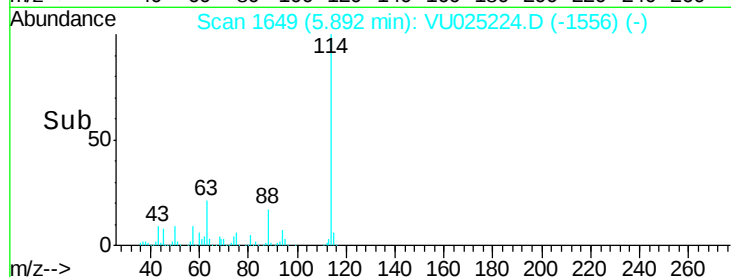
88 16.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.515 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

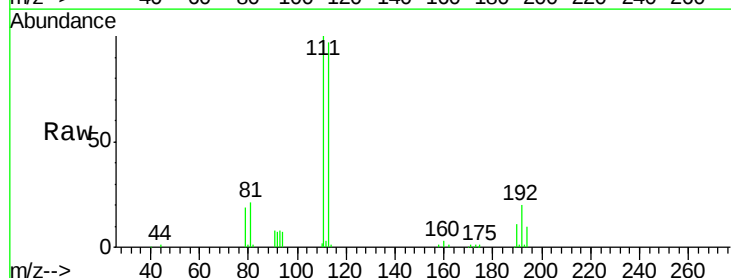
Tgt Ion:113 Resp: 125378

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

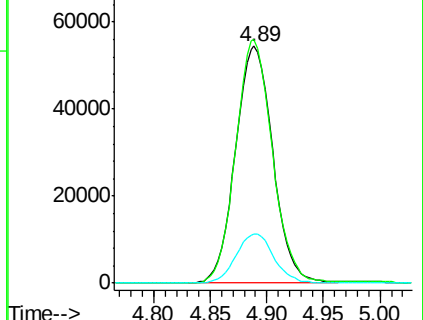
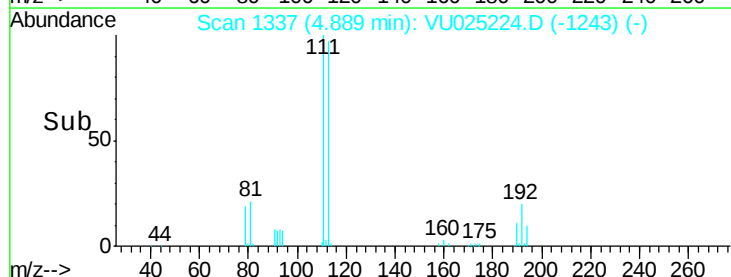
192 21.0 16.2 24.4

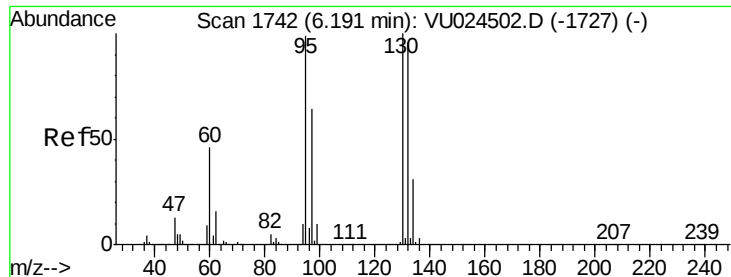


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 12.523 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

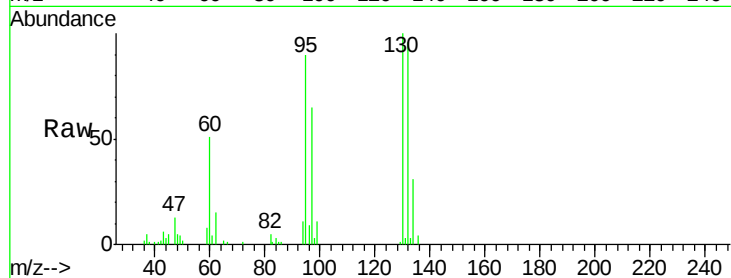
TP-4-S

Tot Ion:130 Resp: 37941

Ion Ratio Lower Upper

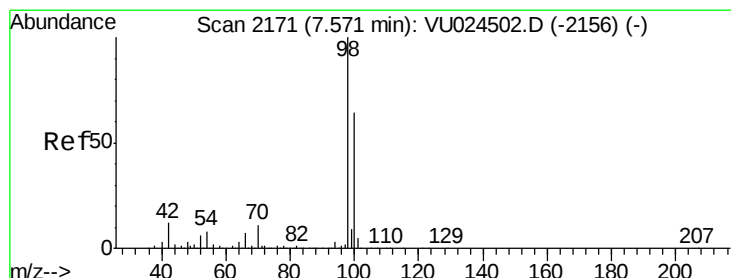
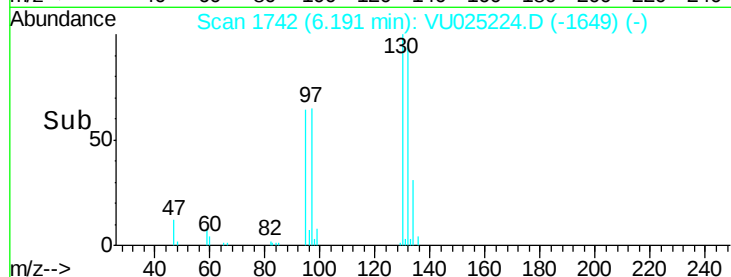
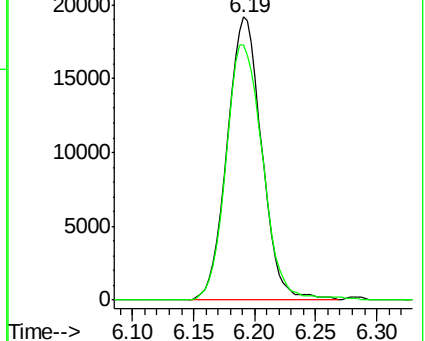
130 100

95 90.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.342 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025224.D

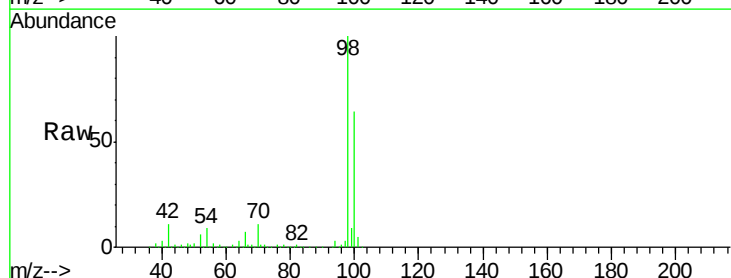
Acq: 05 Jul 2018 18:41

Tgt Ion: 98 Resp: 455665

Ion Ratio Lower Upper

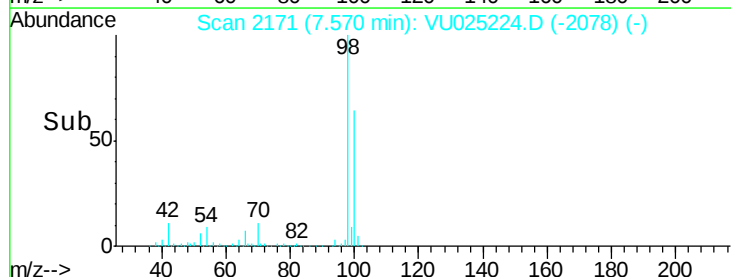
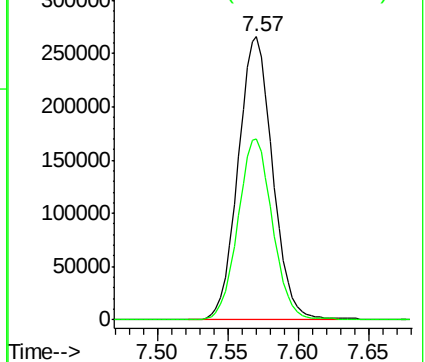
98 100

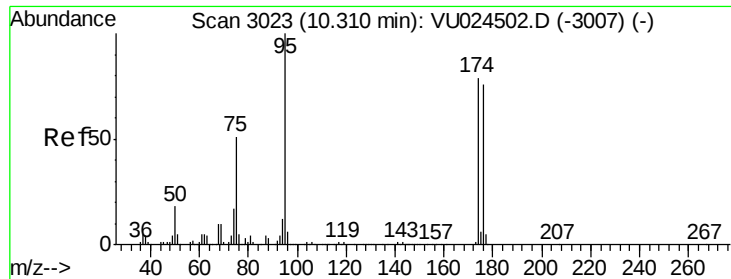
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.176 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

TP-4-S

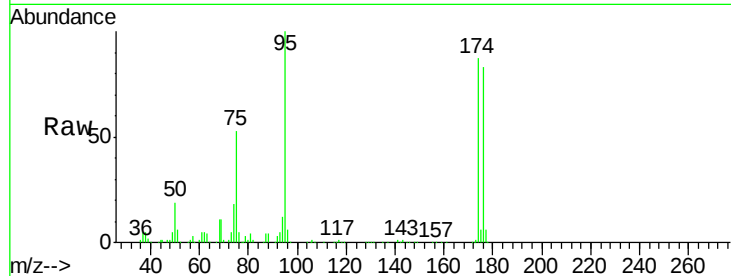
Tot Ion: 95 Resp: 168817

Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.8

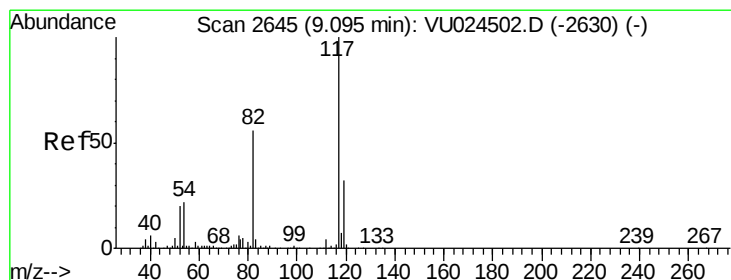
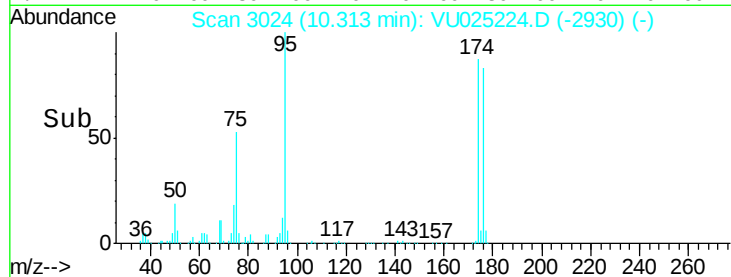
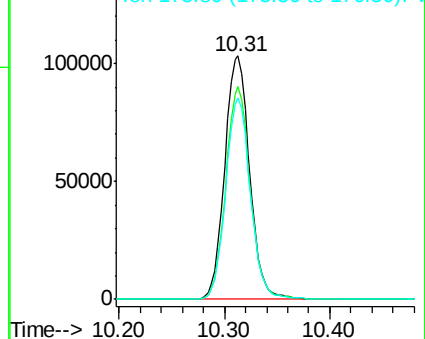
176 82.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025224.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025224.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025224.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

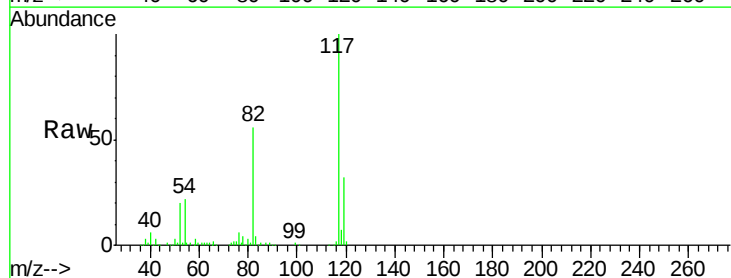
Tgt Ion: 117 Resp: 294443

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

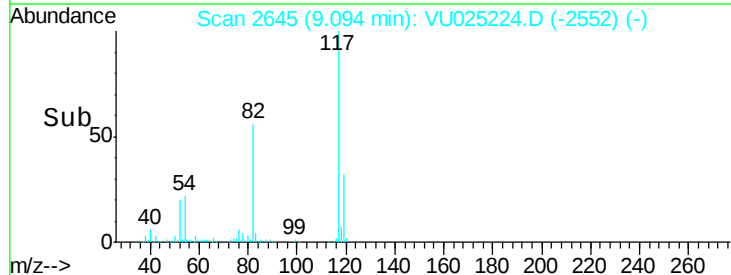
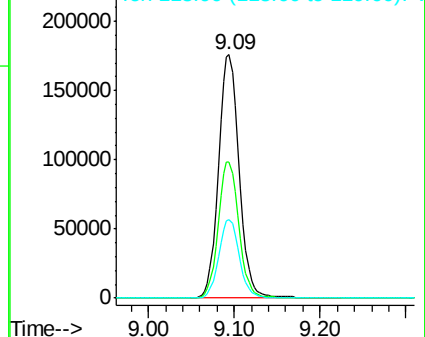
119 32.5 25.4 38.2

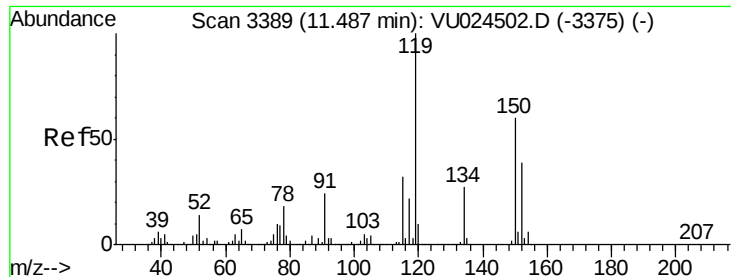


Abundance Ion 116.90 (116.60 to 117.60): VU025224.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025224.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025224.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

Instrument :

MSVOA\_U

ClientSampleId :

TP-4-S

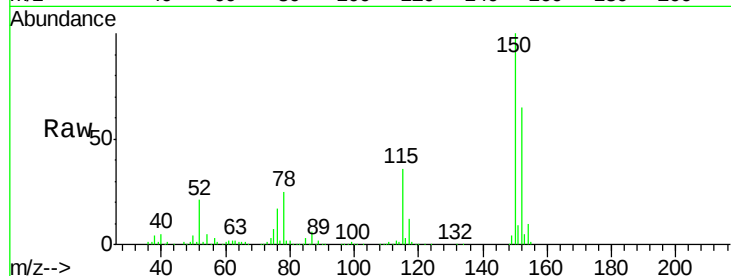
Tot Ion:152 Resp: 153686

Ion Ratio Lower Upper

152 100

115 58.5 43.0 129.0

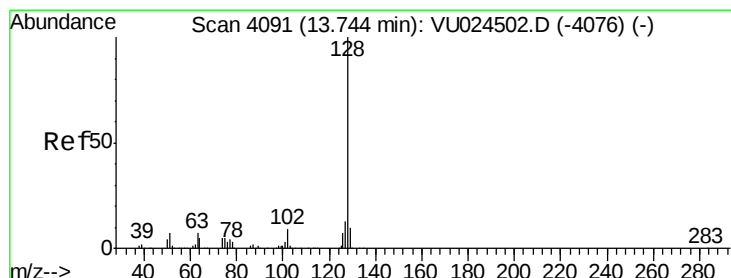
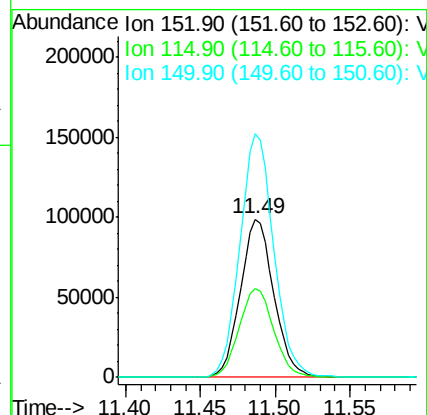
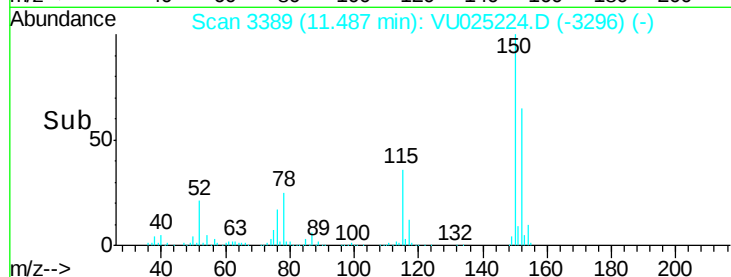
150 156.3 0.0 354.0



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



#95

Naphthalene

Concen: 3.812 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025224.D

Acq: 05 Jul 2018 18:41

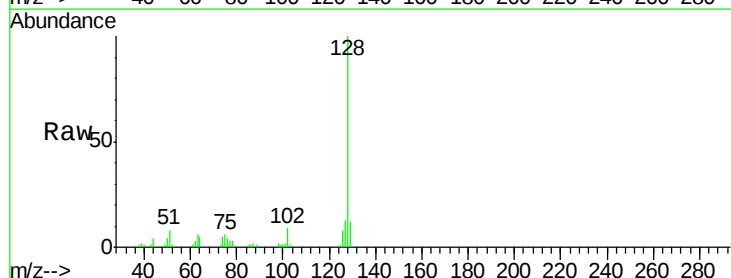
Tgt Ion:128 Resp: 35894

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 11.2 8.6 12.8



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

