

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\  
 Data File : VU025355.D  
 Acq On : 12 Jul 2018 21:35  
 Operator : MD/SY  
 Sample : PB110983ZHE#01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB110983ZHE#01

Quant Time: Jul 13 04:12:53 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 10 09:34:16 2018  
 Response via : Initial Calibration

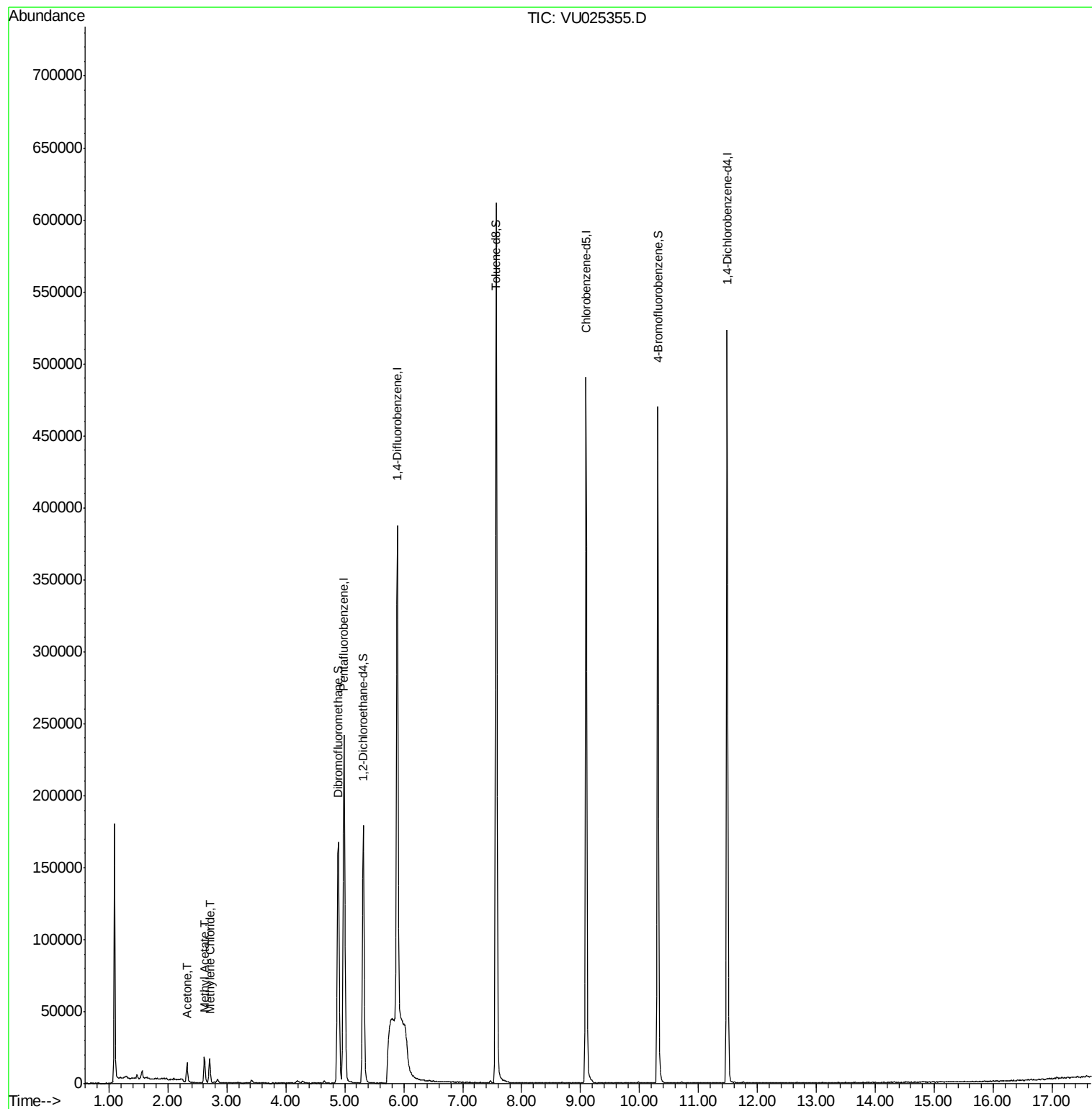
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 187216   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 292869   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 273391   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 140975   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 146352   | 50.32  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.64% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 113241   | 45.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.68%  |          |
| 50) Toluene-d8              | 7.57  | 98   | 418692   | 49.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.98%  |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 152030   | 44.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.26%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 13891    | 14.044 | ug/l    | 98       |
| 18) Methyl Acetate          | 2.62  | 43   | 22373    | 7.513  | ug/l    | 97       |
| 20) Methylene Chloride      | 2.71  | 84   | 7481     | 3.970  | ug/l    | 94       |

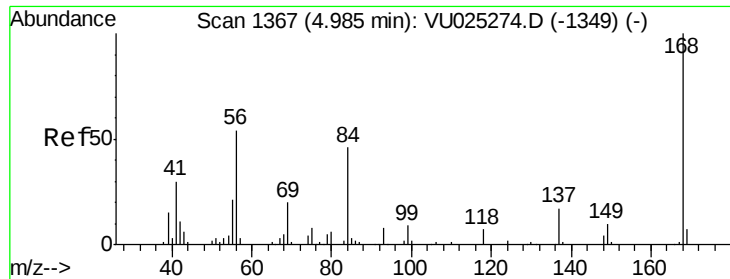
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
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Quant Time: Jul 13 04:12:53 2018  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070918W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 10 09:34:16 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: VU025355.D

Acq: 12 Jul 2018 21:35

Instrument :

MSVOA\_U

ClientSampleId :

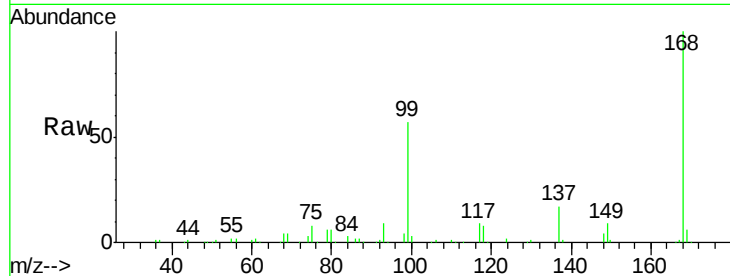
PB110983ZHE#01

Tot Ion:168 Resp: 187216

Ion Ratio Lower Upper

168 100

99 56.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

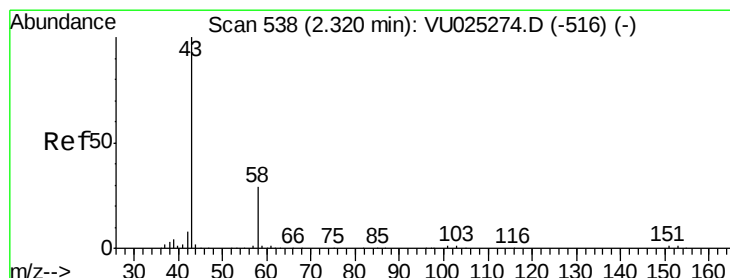
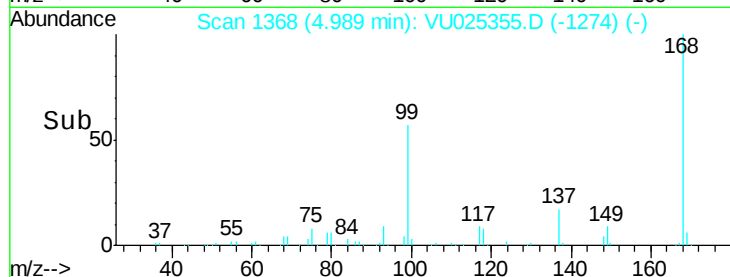
40000

20000

0

Time-->

4.90 5.00 5.10



#16

Acetone

Concen: 14.044 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025355.D

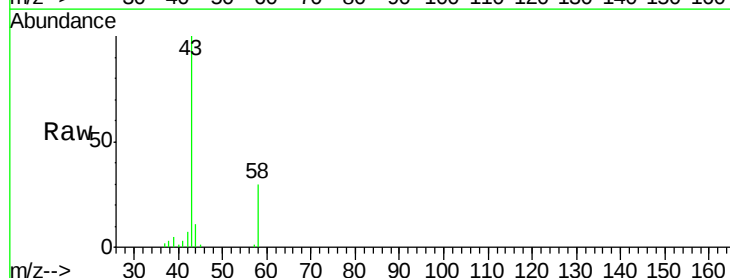
Acq: 12 Jul 2018 21:35

Tgt Ion: 43 Resp: 13891

Ion Ratio Lower Upper

43 100

58 30.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-516) (-)

Ion 58.00 (57.70 to 58.70): VU025274.D (-516) (-)

2.32

10000

8000

6000

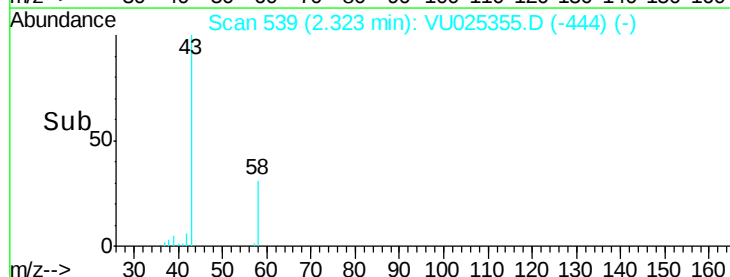
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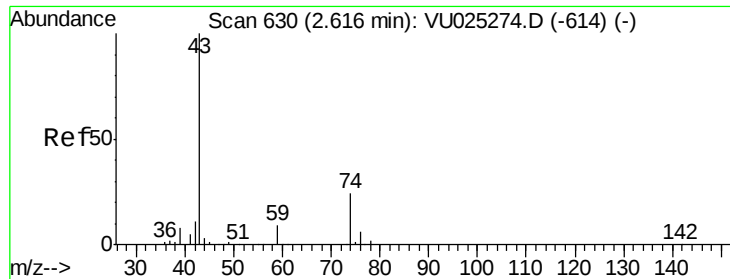
2000

0

Time-->

2.25 2.30 2.35

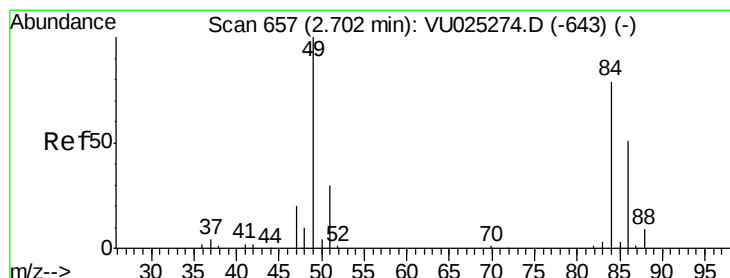
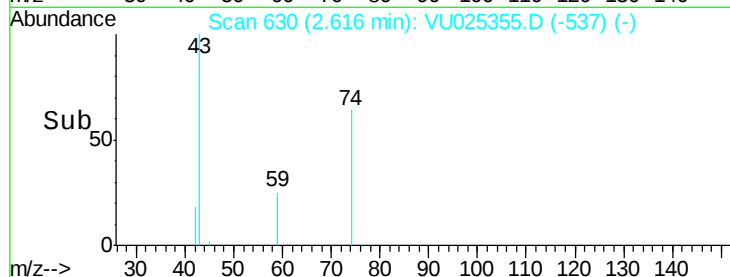
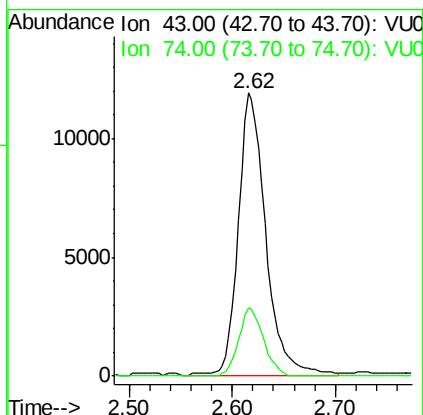
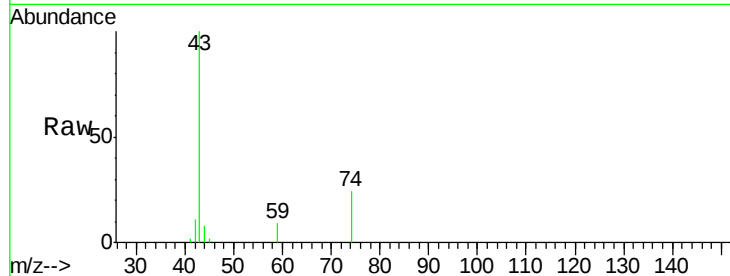




#18  
Methvl Acetate  
Concen: 7.513 ug/l  
RT: 2.62 min Scan# 630  
Delta R.T. 0.00 min  
Lab File: VU025355.D  
Acq: 12 Jul 2018 21:35

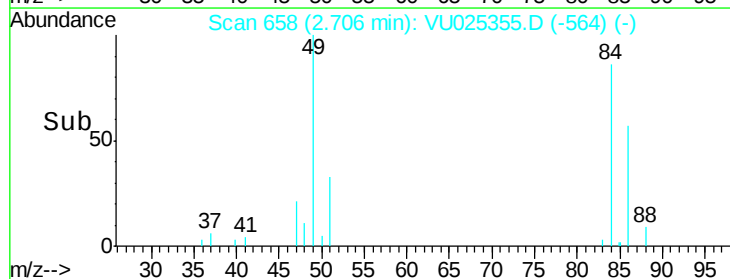
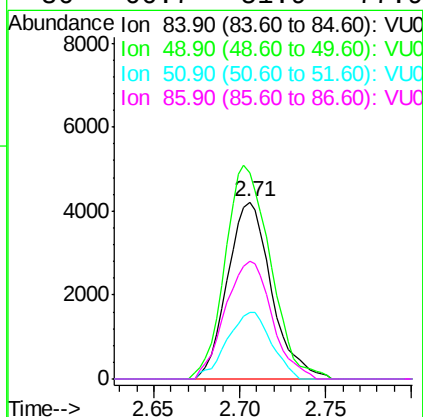
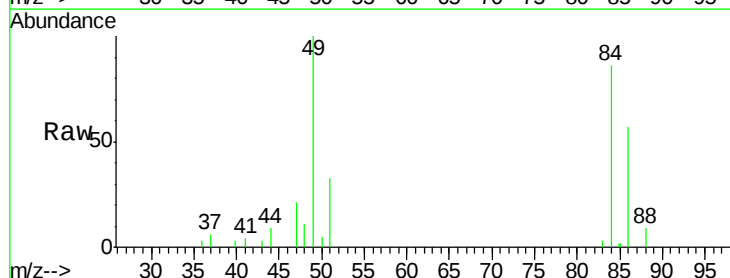
Instrument :  
MSVOA\_U  
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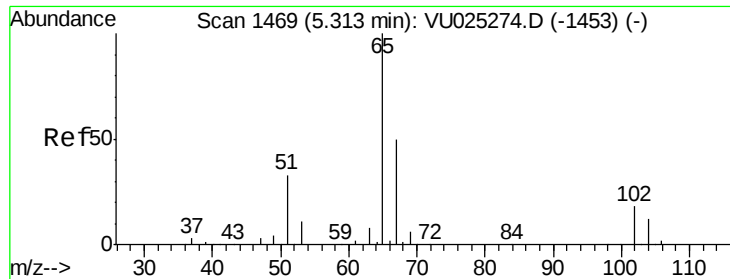
Tot Ion: 43 Resp: 22373  
Ion Ratio Lower Upper  
43 100  
74 21.4 18.5 27.7



#20  
Methylene Chloride  
Concen: 3.970 ug/l  
RT: 2.71 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VU025355.D  
Acq: 12 Jul 2018 21:35

Tgt Ion: 84 Resp: 7481  
Ion Ratio Lower Upper  
84 100  
49 116.1 101.8 152.6  
51 37.7 30.8 46.2  
86 66.7 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 50.316 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025355.D

Acq: 12 Jul 2018 21:35

Instrument :

MSVOA\_U

ClientSampleId :

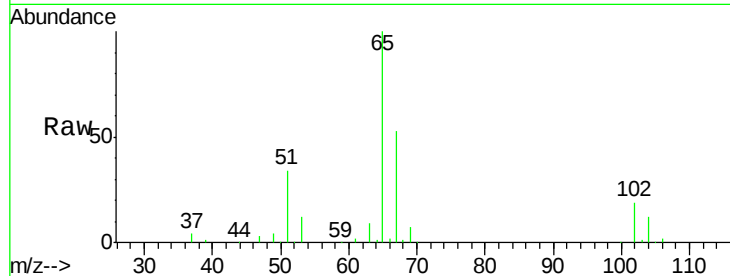
PB110983ZHE#01

Tot Ion: 65 Resp: 146352

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.6

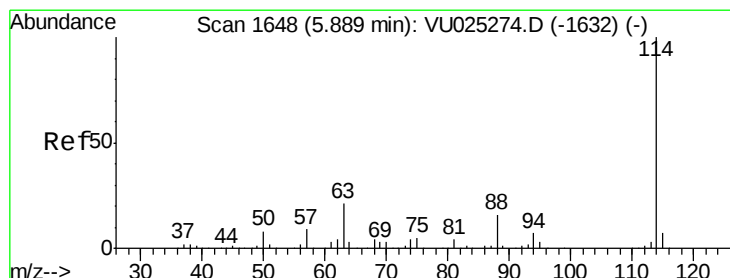
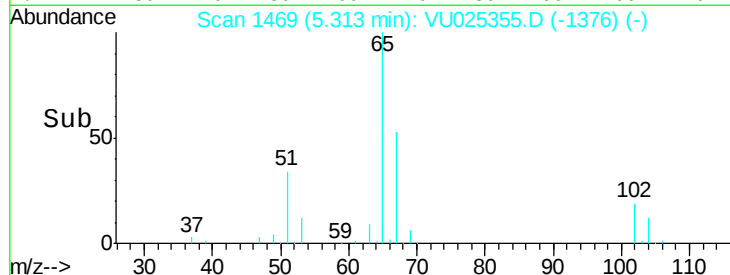


Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025355.D

Acq: 12 Jul 2018 21:35

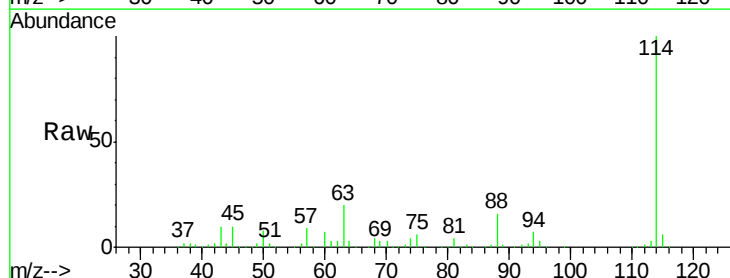
Tgt Ion: 114 Resp: 292869

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 15.7 0.0 32.4



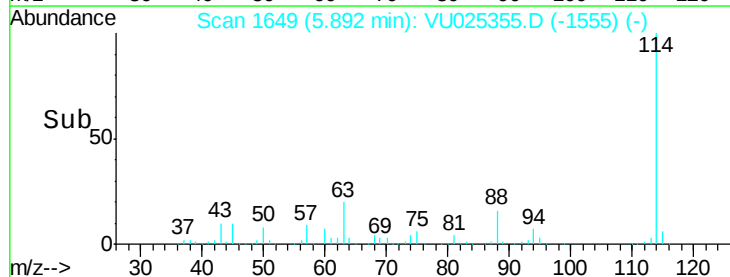
Abundance Ion 113.90 (113.60 to 114.60): VU025274.D (-1632) (-)

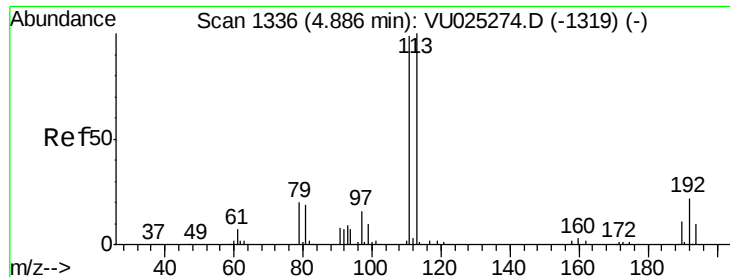
Ion 63.00 (62.70 to 63.70): VU025274.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025274.D (-1632) (-)

5.89

Time-->

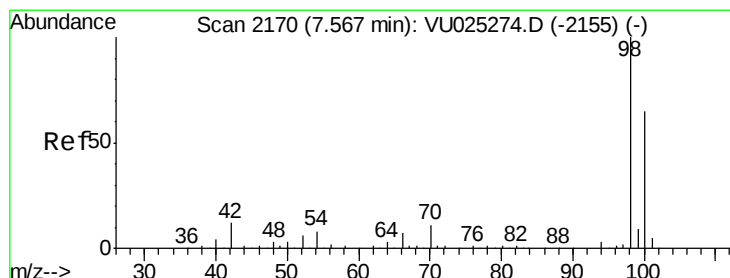
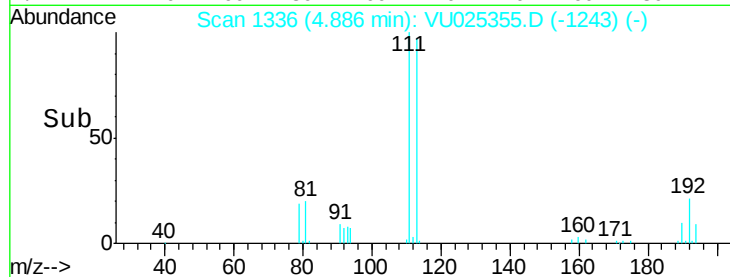
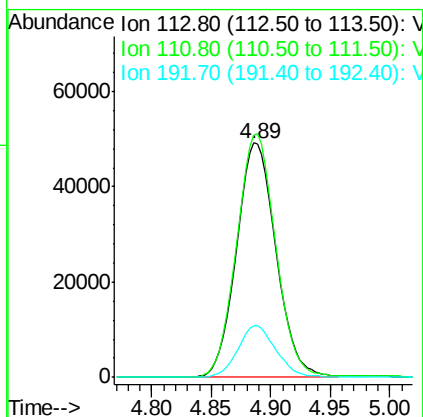
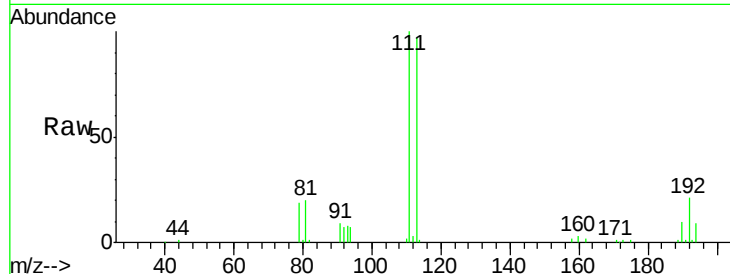




#35  
 Dibromofluoromethane  
 Concen: 45.835 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. 0.00 min  
 Lab File: VU025355.D  
 Acq: 12 Jul 2018 21:35

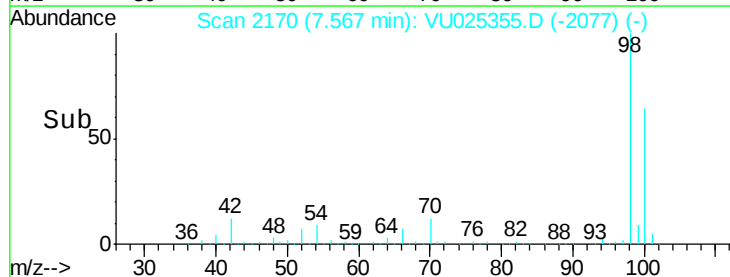
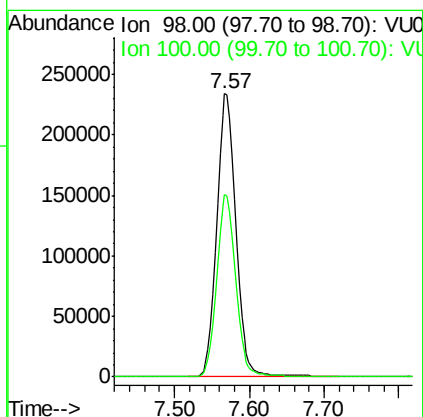
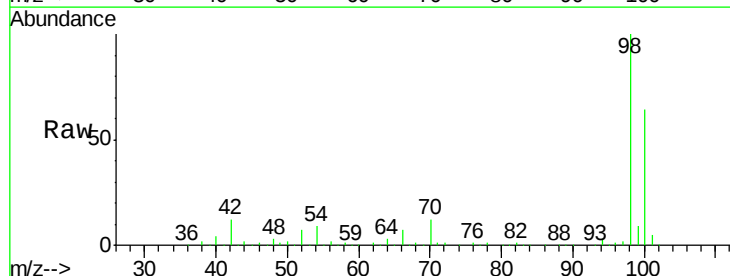
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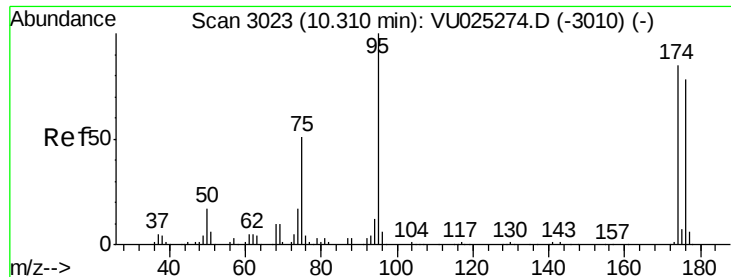
Tot Ion:113 Resp: 113241  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 81.7 122.5  
 192 21.4 17.1 25.7



#50  
 Toluene-d8  
 Concen: 49.489 ug/l  
 RT: 7.57 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VU025355.D  
 Acq: 12 Jul 2018 21:35

Tgt Ion: 98 Resp: 418692  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 51.1 76.7

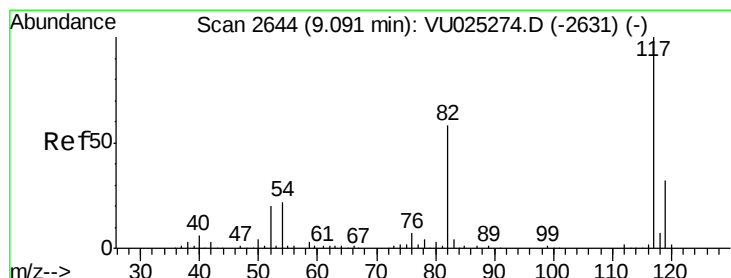
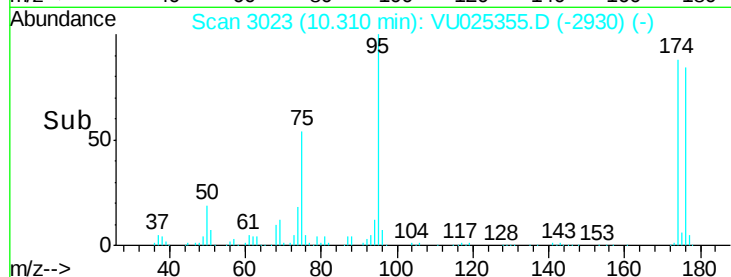
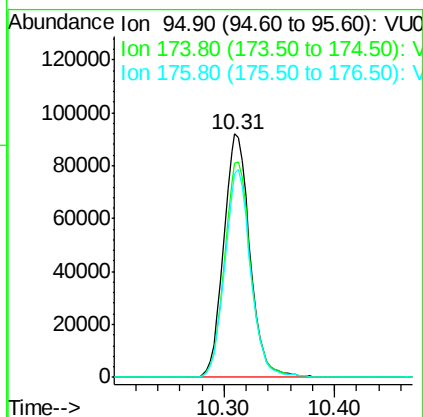
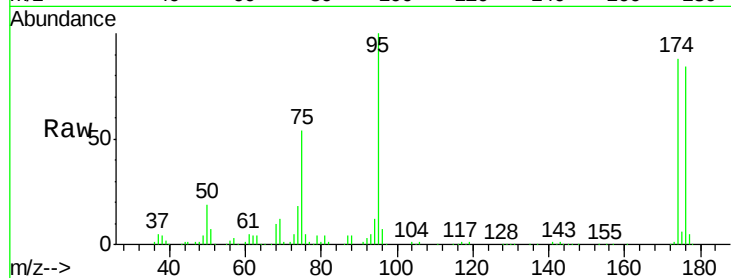




#62  
4-Bromofluorobenzene  
Concen: 44.634 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. 0.00 min  
Lab File: VU025355.D  
Acq: 12 Jul 2018 21:35

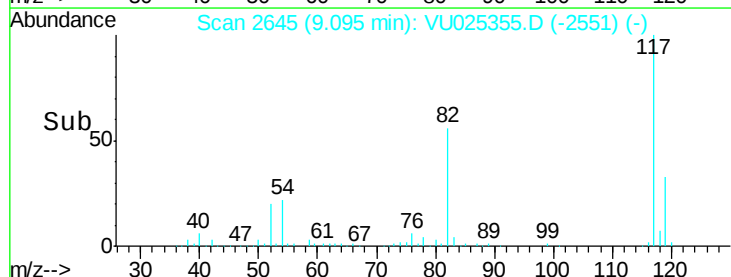
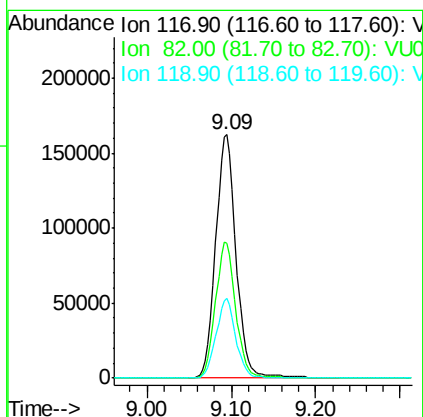
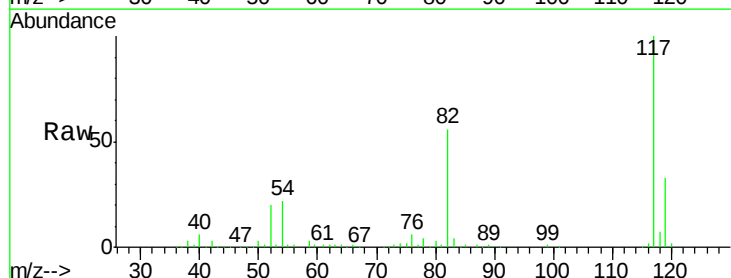
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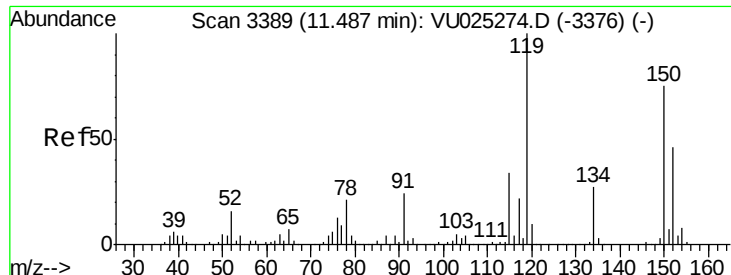
Tot Ion: 95 Resp: 152030  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 172.2  
176 83.9 0.0 162.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VU025355.D  
Acq: 12 Jul 2018 21:35

Tgt Ion: 117 Resp: 273391  
Ion Ratio Lower Upper  
117 100  
82 55.6 46.0 69.0  
119 32.6 26.0 39.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.49 min Scan# 3389  
 Delta R.T. 0.00 min  
 Lab File: VU025355.D  
 Acq: 12 Jul 2018 21:35

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB110983ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.6  | 40.1  | 120.3 |
| 150     | 152.6 | 0.0   | 351.4 |

