

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\  
 Data File : VU034005.D  
 Acq On : 28 Aug 2019 05:27  
 Operator : JC/SP  
 Sample : K4516-38  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T2-S-D-(0)

Quant Time: Aug 28 08:45:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 28 02:42:03 2019  
 Response via : Initial Calibration

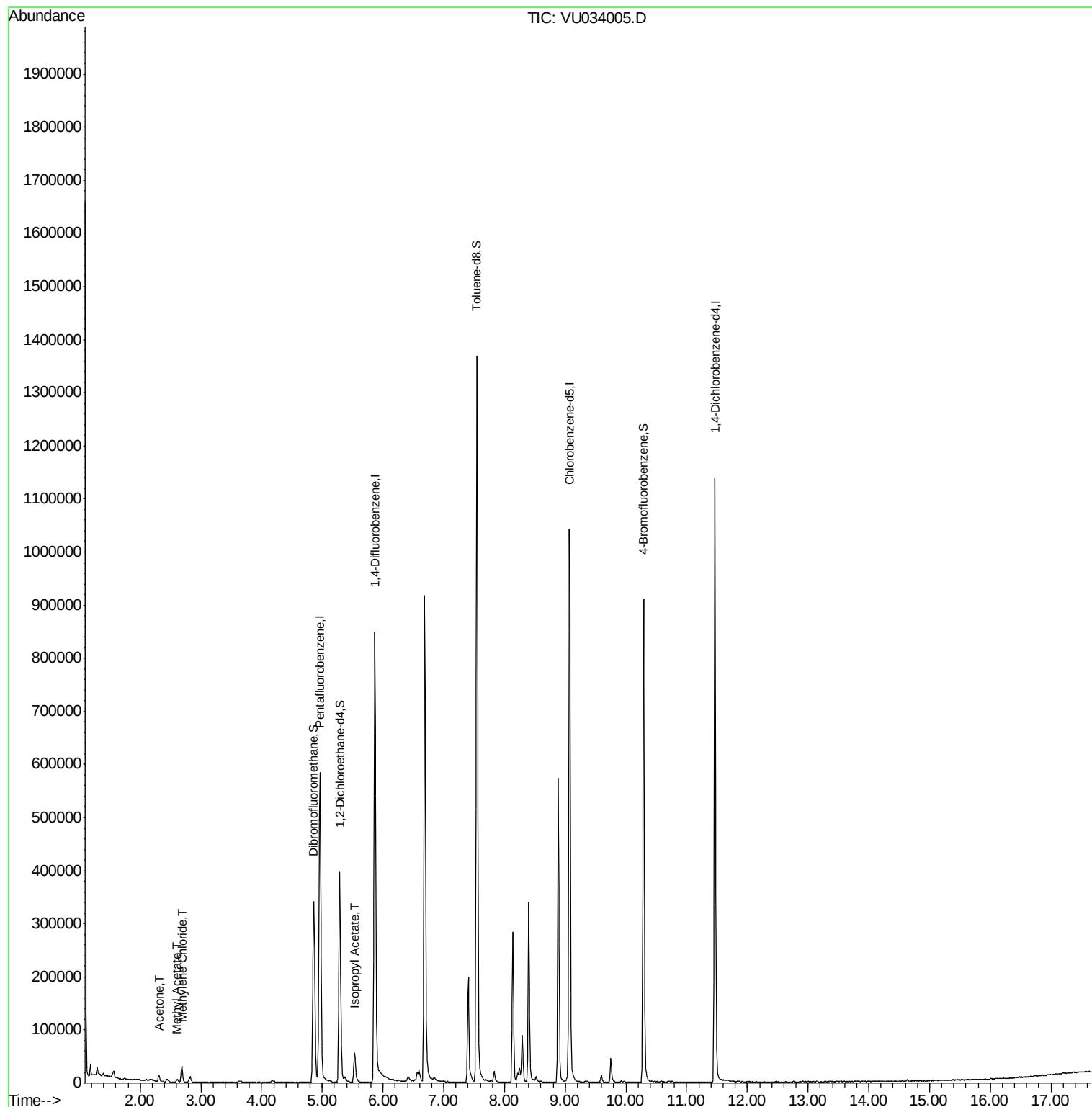
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 450086   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 731112   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 602743   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 302715   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 307807   | 61.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 123.12% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 242158   | 49.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.54%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 941984   | 51.97 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.94% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 307447   | 44.22 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.44%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 13115    | 5.480 | ug/l    | 98       |
| 18) Methyl Acetate          | 2.61  | 43   | 8129     | 1.379 | ug/l    | 90       |
| 20) Methylene Chloride      | 2.69  | 84   | 13362    | 2.631 | ug/l    | 92       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 68783    | 6.679 | ug/l #  | 92       |

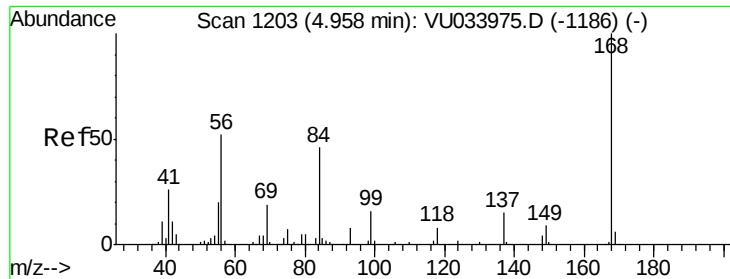
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082819\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082819W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 28 02:42:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034005.D

Acq: 28 Aug 2019 05:27

Instrument :

MSVOA\_U

ClientSampleId :

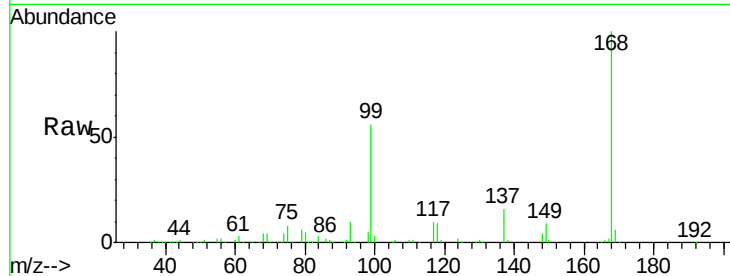
T2-S-D-(0)

Tot Ion:168 Resp: 450086

Ion Ratio Lower Upper

168 100

99 55.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

200000

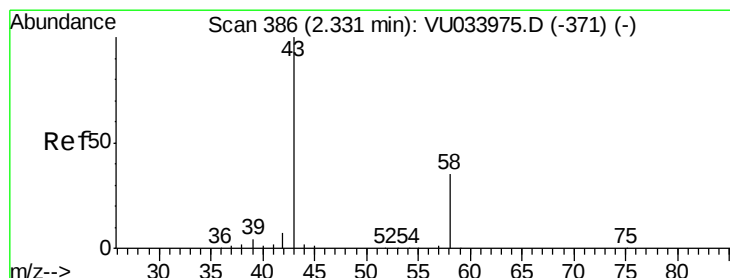
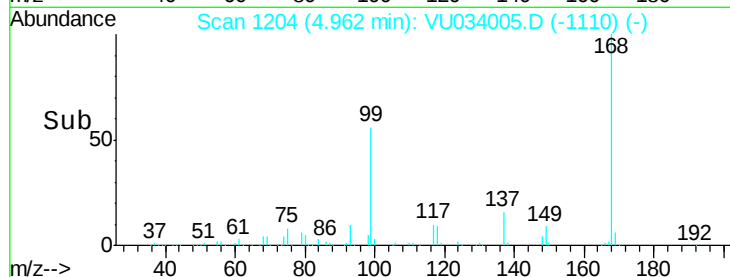
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.480 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU034005.D

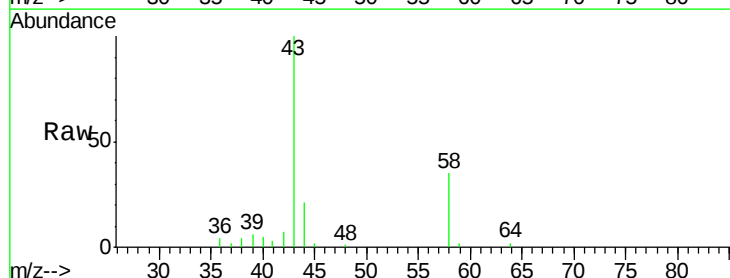
Acq: 28 Aug 2019 05:27

Tgt Ion: 43 Resp: 13115

Ion Ratio Lower Upper

43 100

58 35.9 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033975.D (-371) (-)

2.31

8000

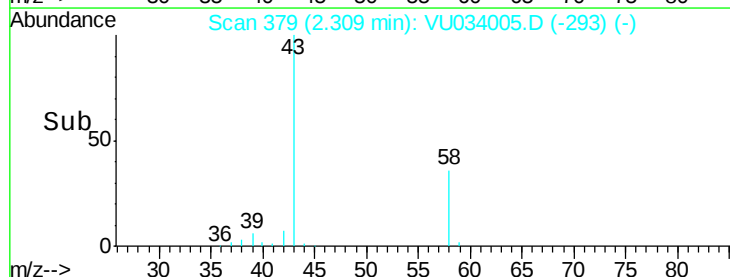
6000

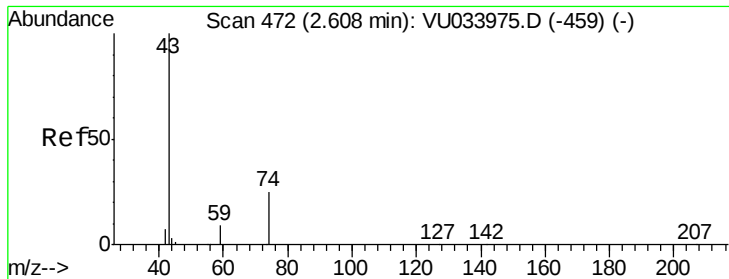
4000

2000

0

Time-->

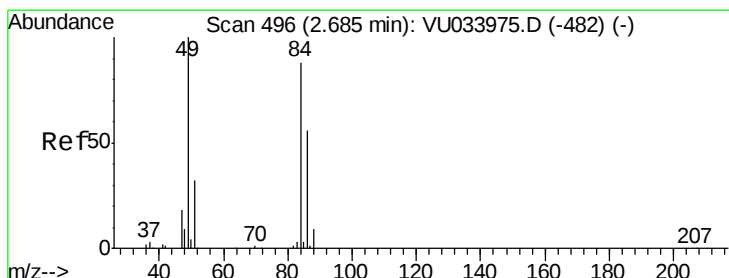
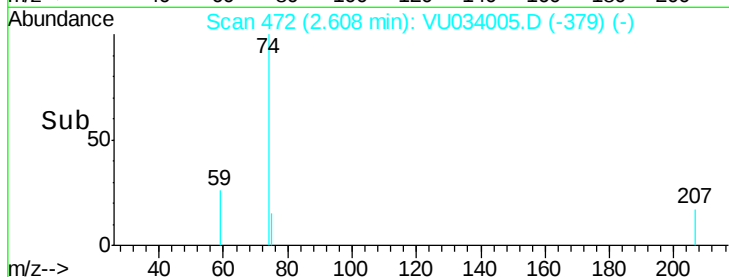
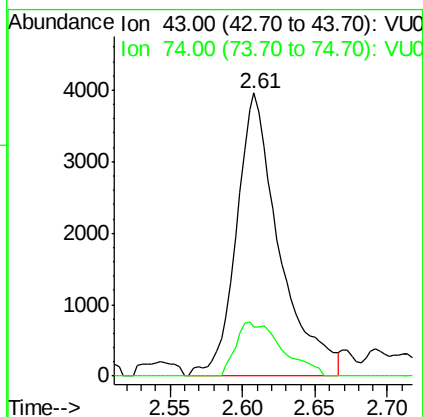
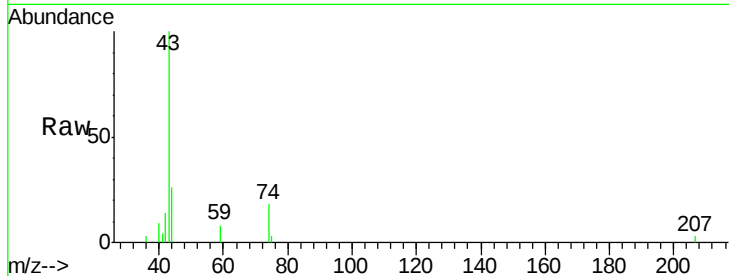




#18  
Methvl Acetate  
Concen: 1.379 ug/l  
RT: 2.61 min Scan# 472  
Delta R.T. 0.00 min  
Lab File: VU034005.D  
Acq: 28 Aug 2019 05:27

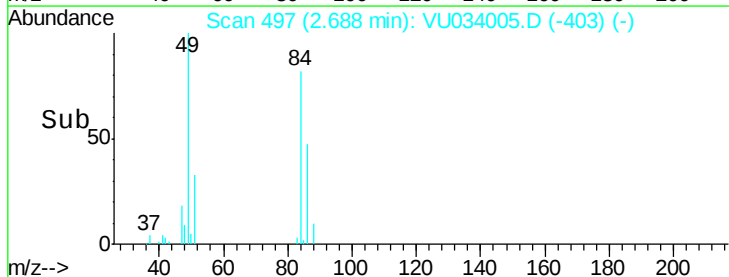
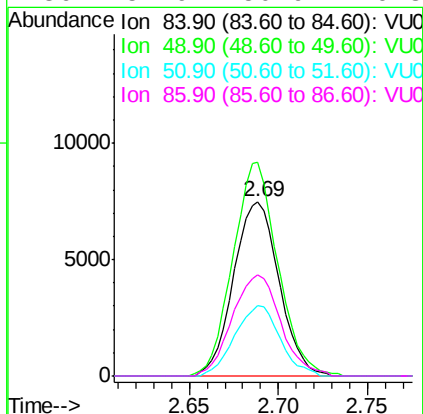
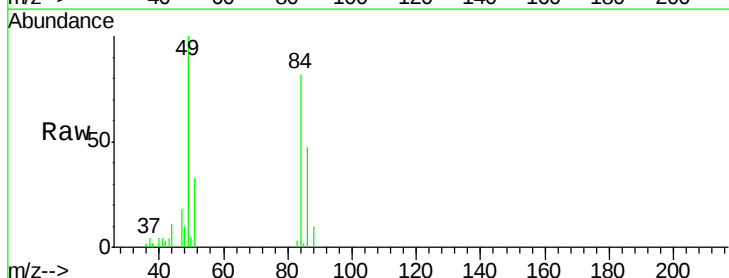
Instrument :  
MSVOA\_U  
ClientSampleId :  
T2-S-D-(0)

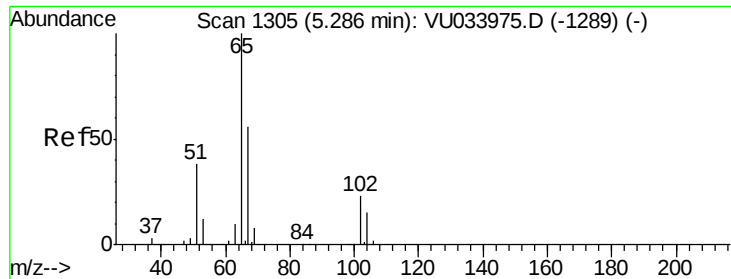
Tot Ion: 43 Resp: 8129  
Ion Ratio Lower Upper  
43 100  
74 20.7 20.5 30.7



#20  
Methylene Chloride  
Concen: 2.631 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.00 min  
Lab File: VU034005.D  
Acq: 28 Aug 2019 05:27

Tgt Ion: 84 Resp: 13362  
Ion Ratio Lower Upper  
84 100  
49 122.4 91.3 136.9  
51 40.5 28.9 43.3  
86 57.9 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 61.558 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034005.D

Acq: 28 Aug 2019 05:27

Instrument :

MSVOA\_U

ClientSampleId :

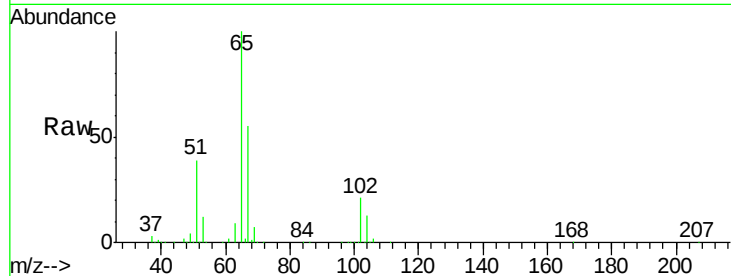
T2-S-D-(0)

Tot Ion: 65 Resp: 307807

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU033975.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU033975.D (-1289) (-)

5.29

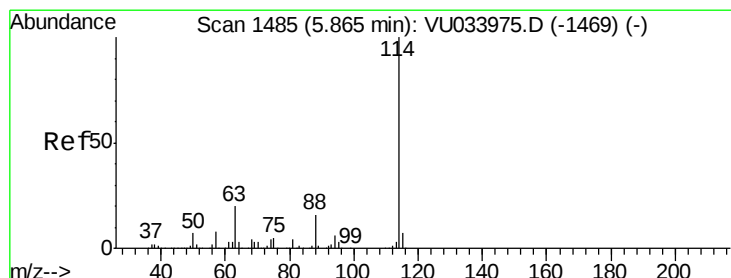
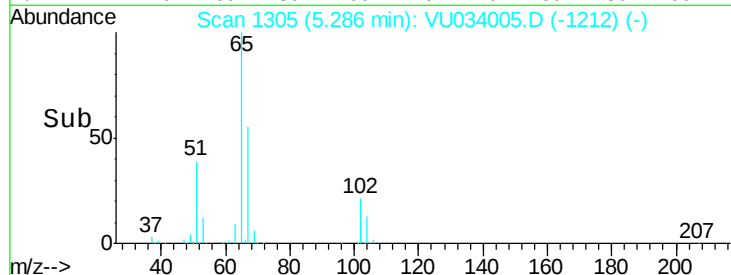
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034005.D

Acq: 28 Aug 2019 05:27

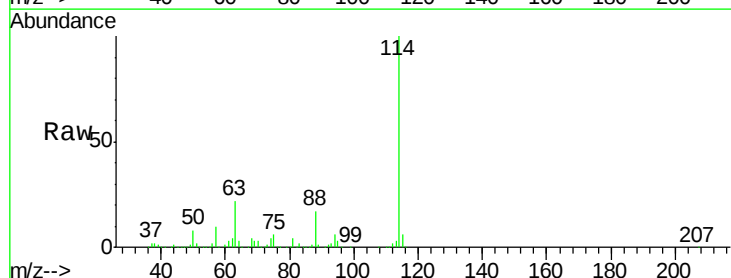
Tgt Ion: 114 Resp: 731112

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.0

88 16.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VU033975.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU033975.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU033975.D (-1469) (-)

5.87

400000

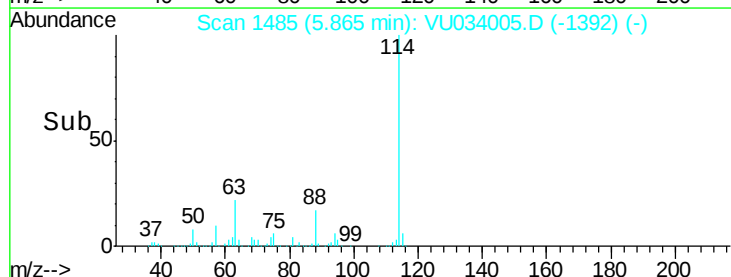
300000

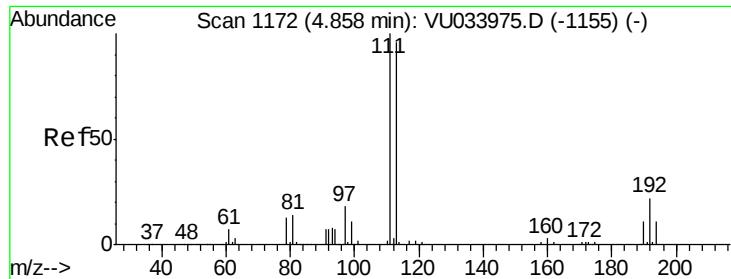
200000

100000

0

Time-->

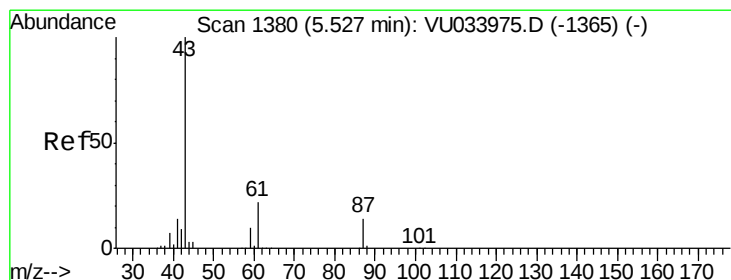
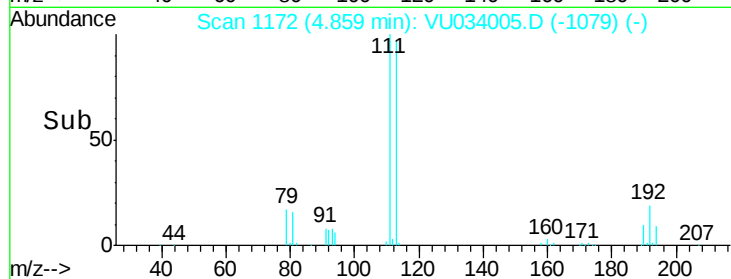
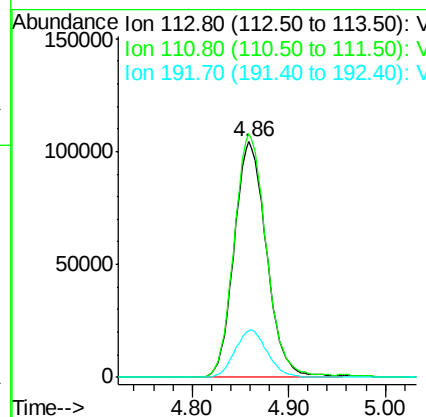
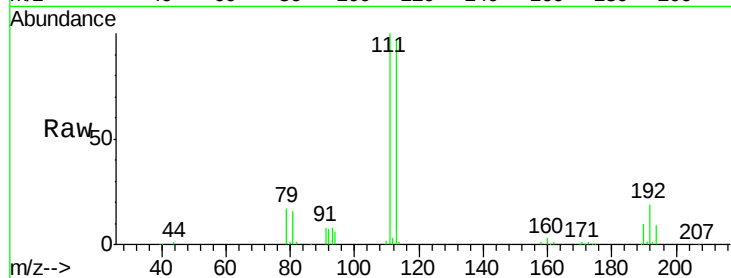




#35  
 Dibromofluoromethane  
 Concen: 49.274 ug/l  
 RT: 4.86 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU034005.D  
 Acq: 28 Aug 2019 05:27

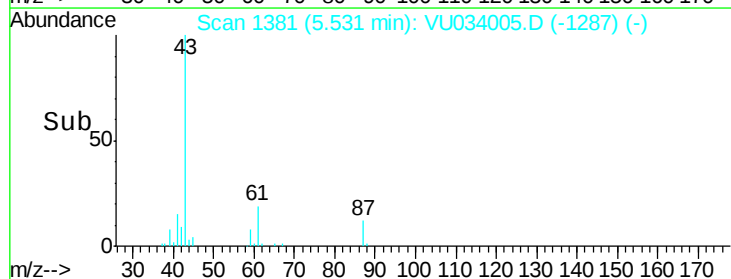
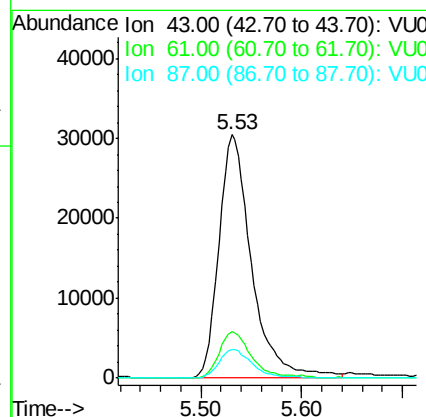
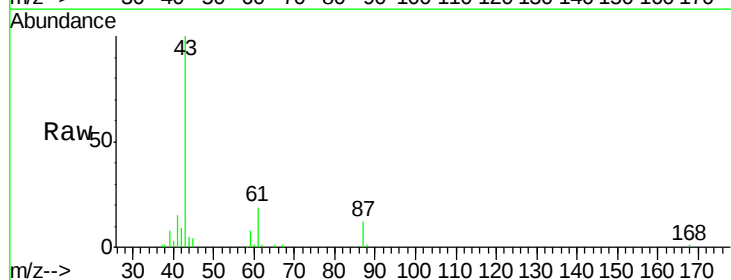
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T2-S-D-(0)

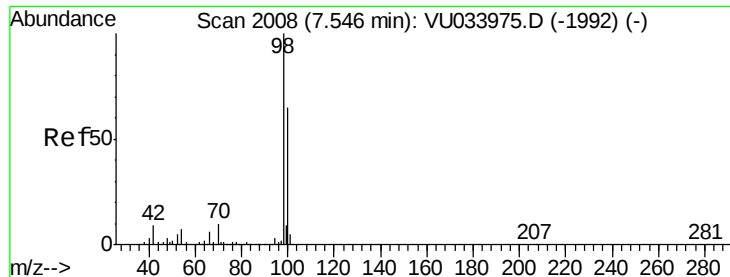
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 81.7  | 122.5 |
| 192     | 20.2  | 18.6  | 27.8  |



#43  
 Isopropyl Acetate  
 Concen: 6.679 ug/l  
 RT: 5.53 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VU034005.D  
 Acq: 28 Aug 2019 05:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.6  | 17.8  | 26.8  |
| 87      | 11.8  | 11.9  | 17.9# |





#50

Toluene-d8

Concen: 51.966 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034005.D

Acq: 28 Aug 2019 05:27

Instrument :

MSVOA\_U

ClientSampleId :

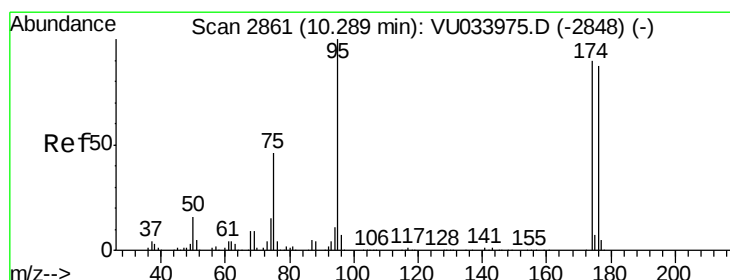
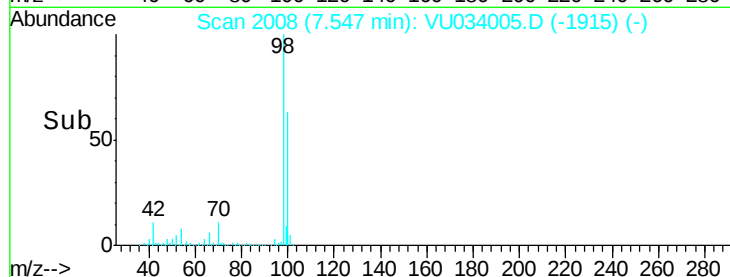
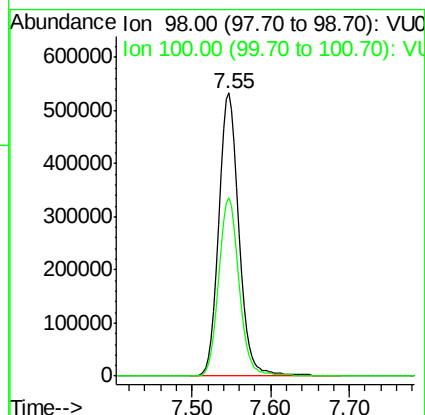
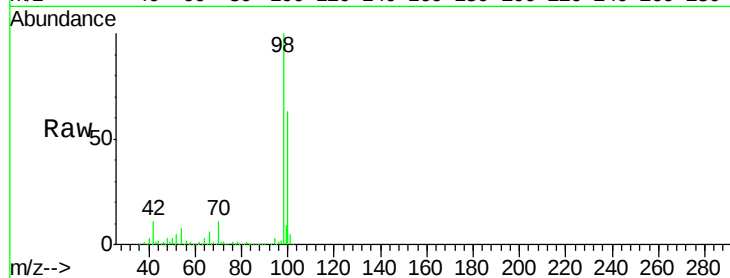
T2-S-D-(0)

Tot Ion: 98 Resp: 941984

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 44.215 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034005.D

Acq: 28 Aug 2019 05:27

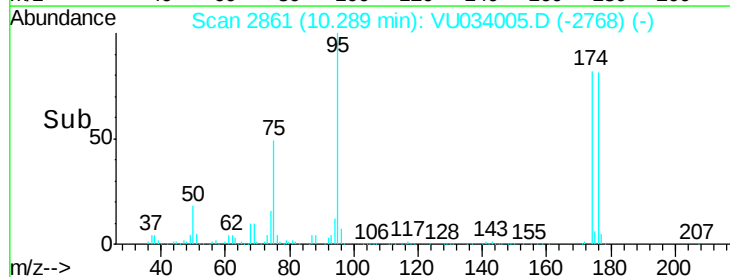
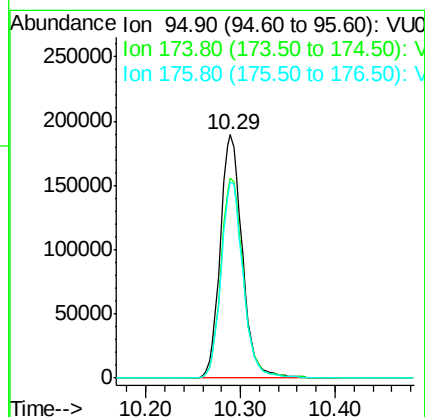
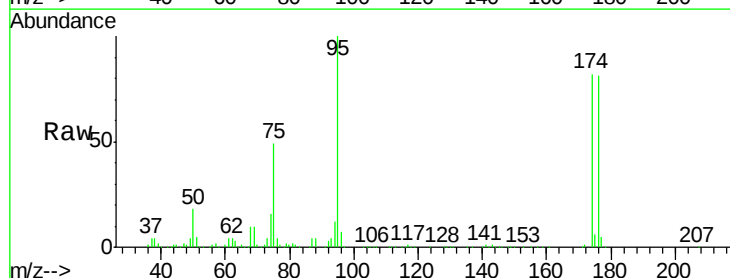
Tgt Ion: 95 Resp: 307447

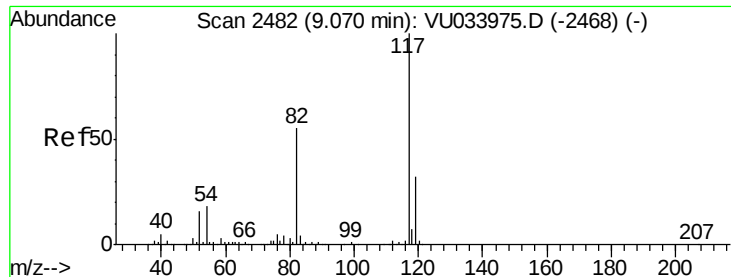
Ion Ratio Lower Upper

95 100

174 83.3 0.0 183.8

176 80.5 0.0 176.4

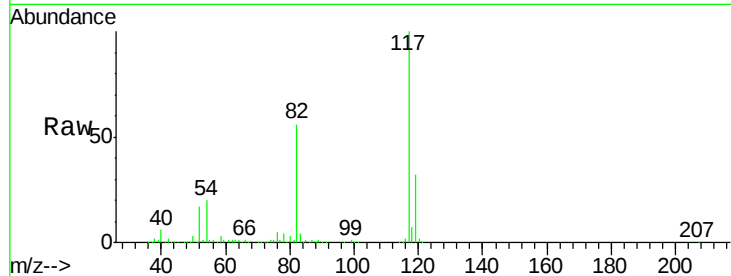




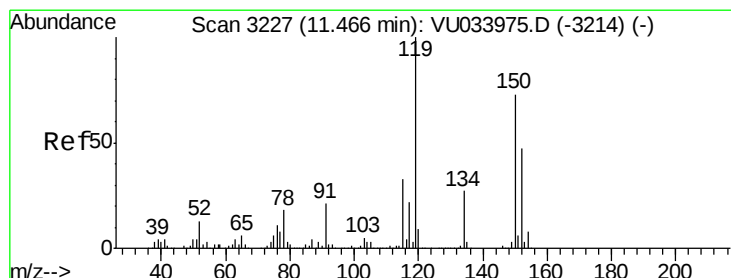
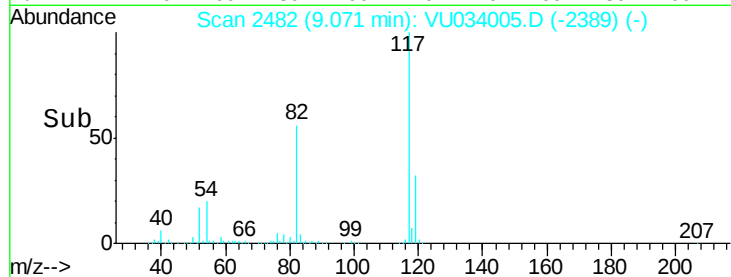
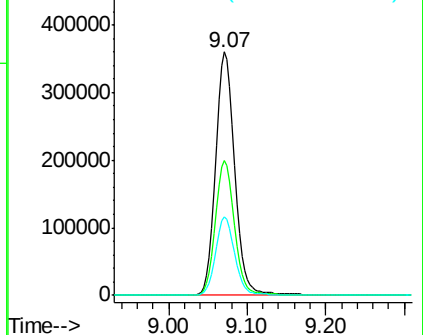
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034005.D  
Acq: 28 Aug 2019 05:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
T2-S-D-(0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 43.8  | 65.8  |
| 119     | 32.3  | 25.7  | 38.5  |

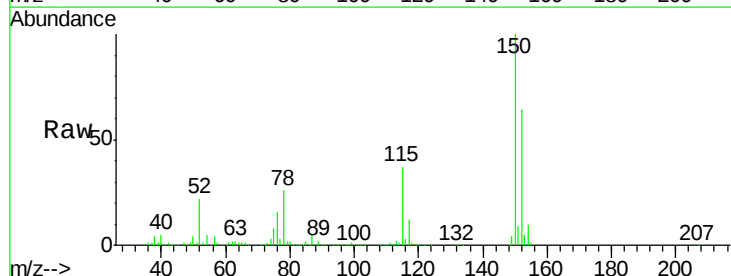


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.47 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VU034005.D  
Acq: 28 Aug 2019 05:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.9  | 38.6  | 115.7 |
| 150     | 156.4 | 0.0   | 343.8 |



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

