

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\  
 Data File : VU033985.D  
 Acq On : 27 Aug 2019 20:17  
 Operator : JC/SP  
 Sample : K4516-21  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T1-S-B2-(0)

Quant Time: Aug 28 08:42:00 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

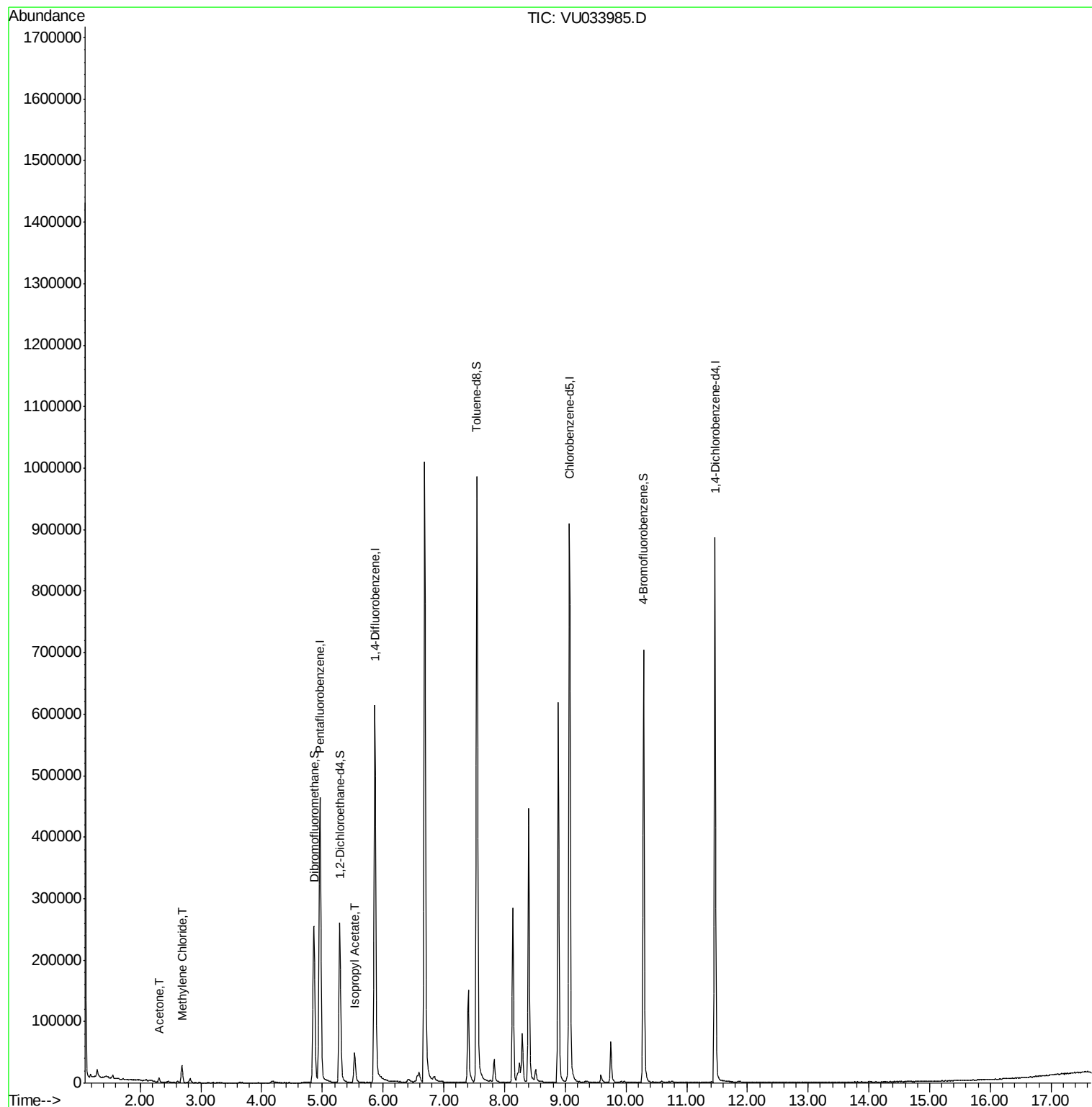
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 395813   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.86  | 114  | 572347   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 545162   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 254261   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 205857   | 46.81 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.62% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 181763   | 47.24 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.48% |          |
| 50) Toluene-d8              | 7.55  | 98   | 706288   | 49.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.54% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 235032   | 43.18 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.36% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.31  | 43   | 7447     | 3.538 | ug/l   | 99       |
| 20) Methylene Chloride      | 2.69  | 84   | 13021    | 2.916 | ug/l   | 99       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 56786    | 7.044 | ug/l   | 99       |

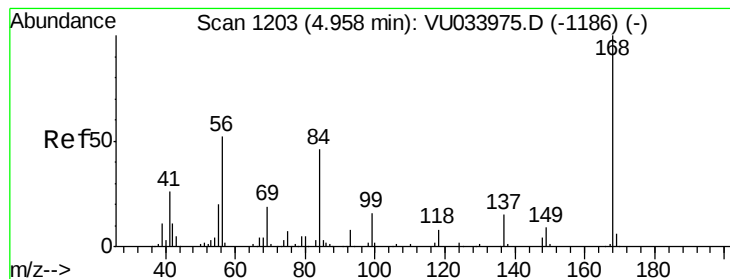
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082819\  
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MSVOA\_U  
ClientSampleId :  
T1-S-B2-(0)

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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: VU033985.D

Acq: 27 Aug 2019 20:17

Instrument :

MSVOA\_U

ClientSampleId :

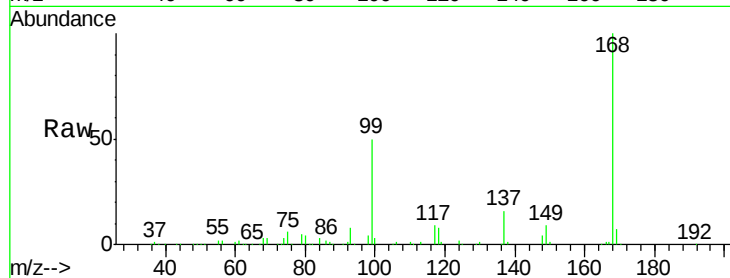
T1-S-B2-(0)

Tot Ion:168 Resp: 395813

Ion Ratio Lower Upper

168 100

99 49.6 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

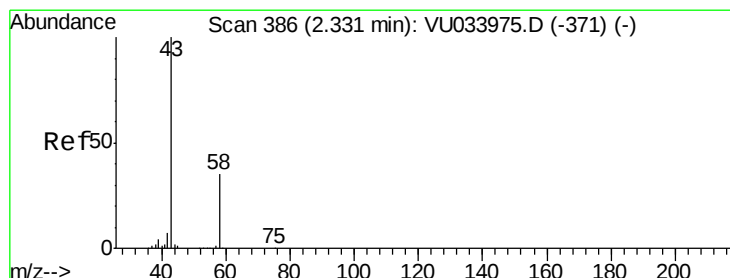
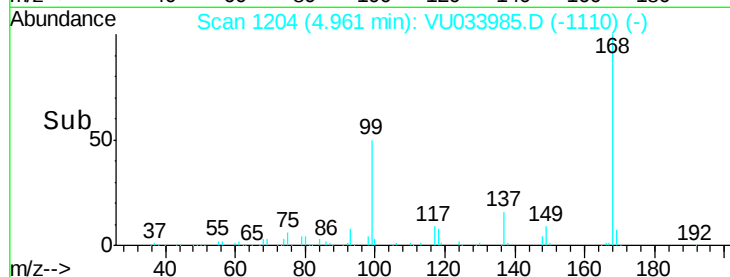
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.538 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033985.D

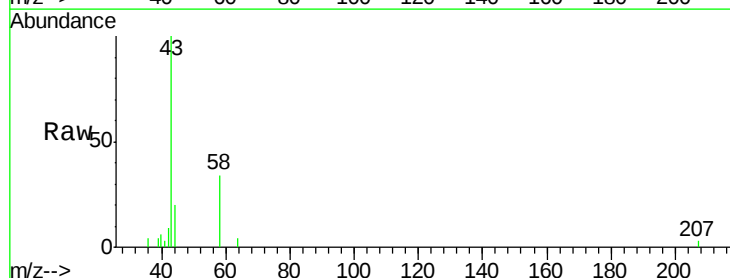
Acq: 27 Aug 2019 20:17

Tgt Ion: 43 Resp: 7447

Ion Ratio Lower Upper

43 100

58 34.4 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

5000

4000

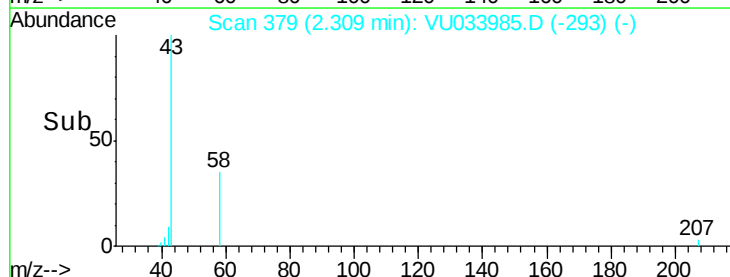
3000

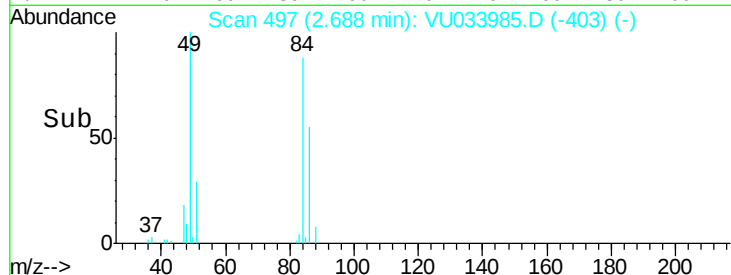
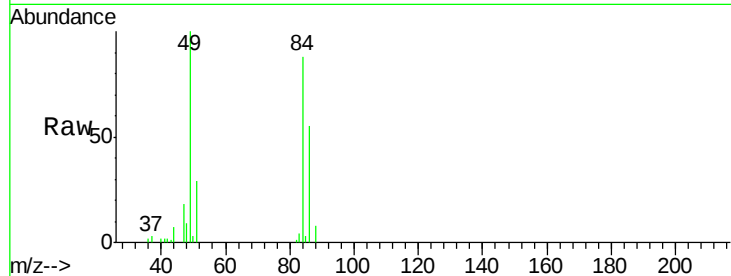
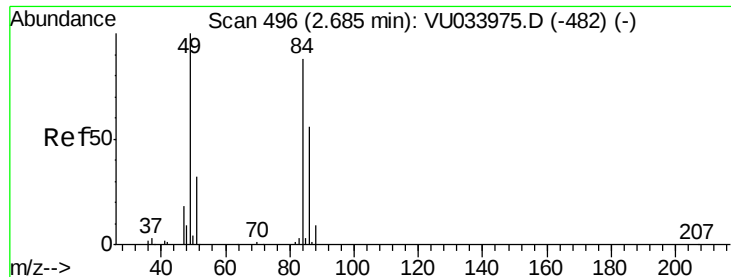
2000

1000

0

Time-->

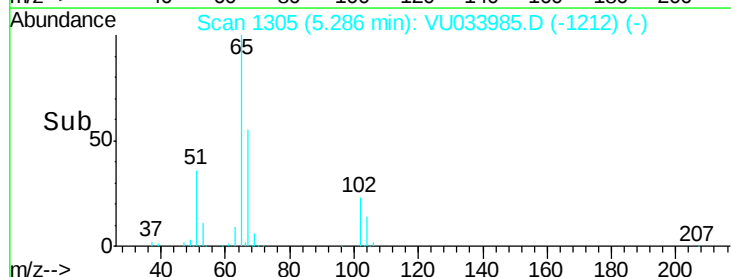
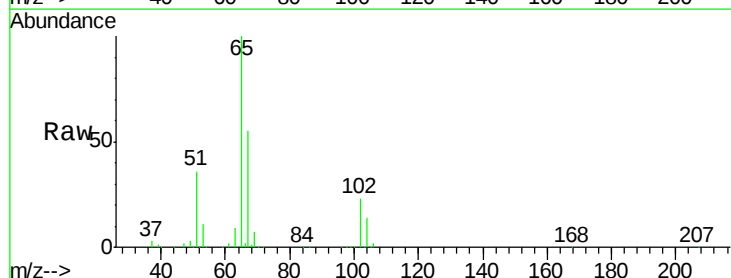
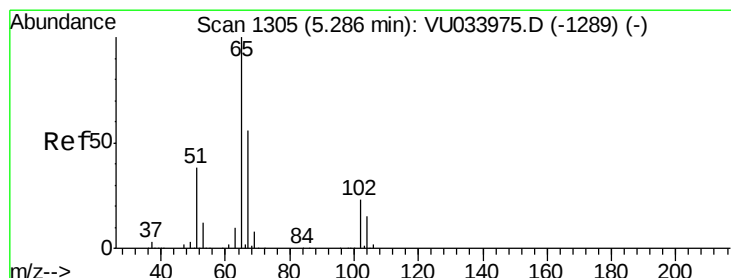
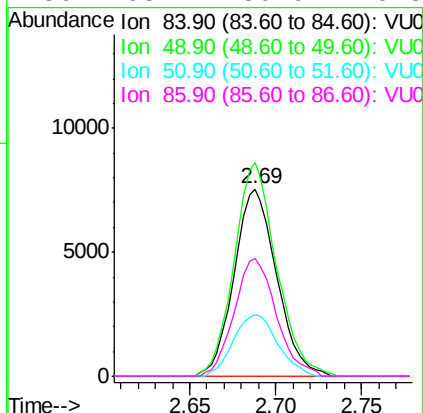




#20  
Methvlene Chloride  
Concen: 2.916 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.00 min  
Lab File: VU033985.D  
Acq: 27 Aug 2019 20:17

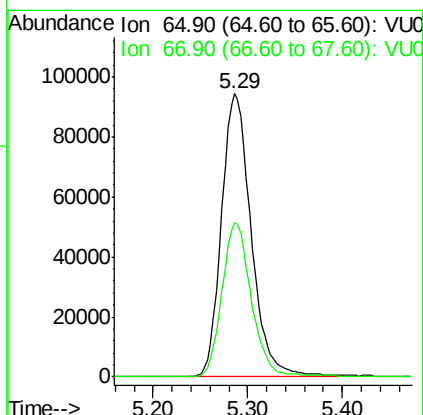
Instrument :  
MSVOA\_U  
ClientSampleId :  
T1-S-B2-(0)

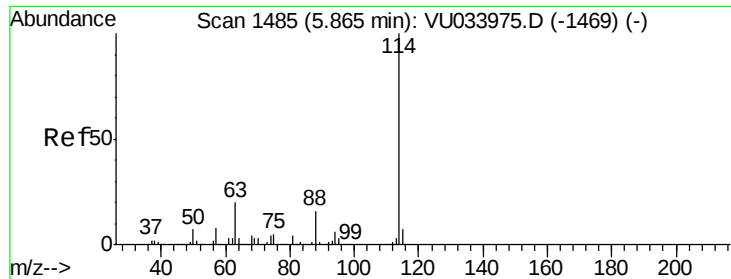
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 13021 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.2 | 91.3  | 136.9 |
| 51       | 33.1  | 28.9  | 43.3  |
| 86       | 63.1  | 50.9  | 76.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 46.814 ug/l  
RT: 5.29 min Scan# 1305  
Delta R.T. 0.00 min  
Lab File: VU033985.D  
Acq: 27 Aug 2019 20:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 205857 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.2  | 0.0   | 111.0  |

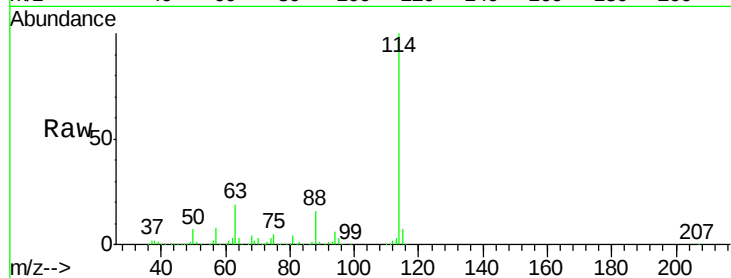




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VU033985.D  
 Acq: 27 Aug 2019 20:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T1-S-B2-(0)

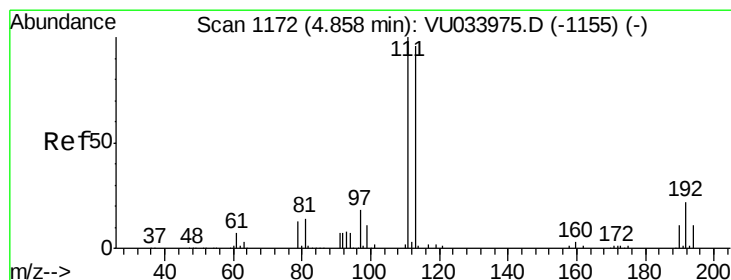
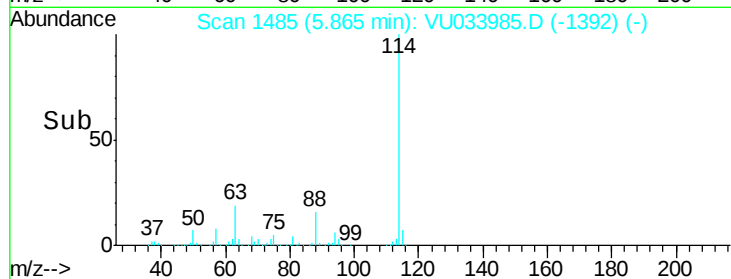
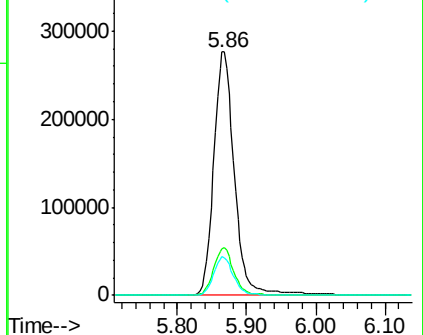
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.3  | 0.0   | 39.0  |
| 88      | 15.7  | 0.0   | 31.2  |



Abundance Ion 113.90 (113.60 to 114.60): V

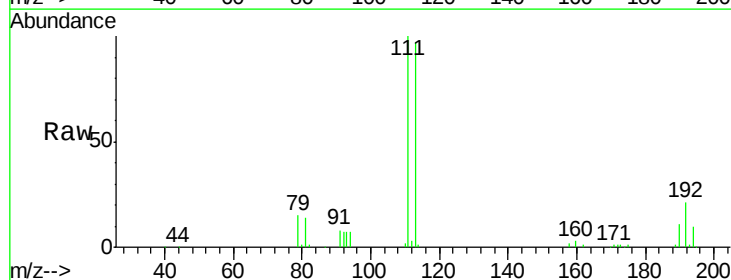
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35  
 Dibromofluoromethane  
 Concen: 47.245 ug/l  
 RT: 4.86 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU033985.D  
 Acq: 27 Aug 2019 20:17

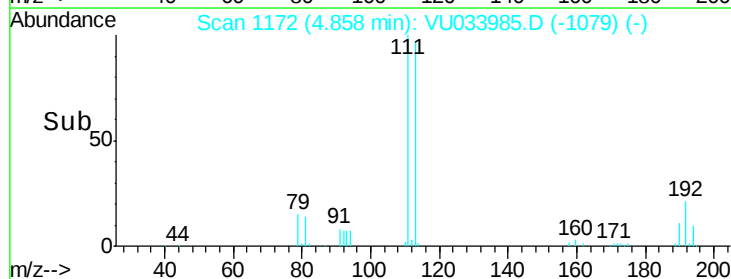
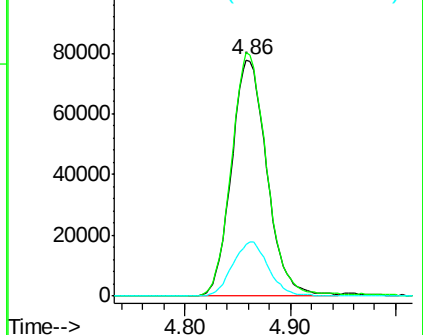
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 81.7  | 122.5 |
| 192     | 23.3  | 18.6  | 27.8  |

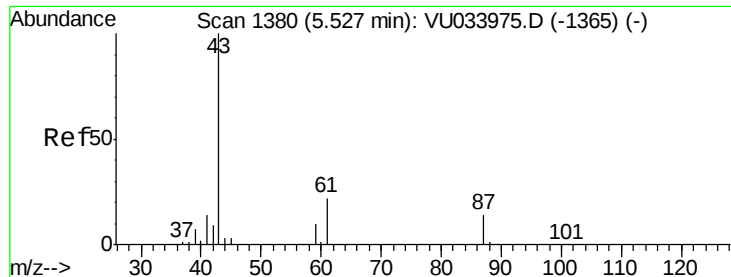


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 7.044 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU033985.D

Acq: 27 Aug 2019 20:17

Instrument :

MSVOA\_U

ClientSampleId :

T1-S-B2-(0)

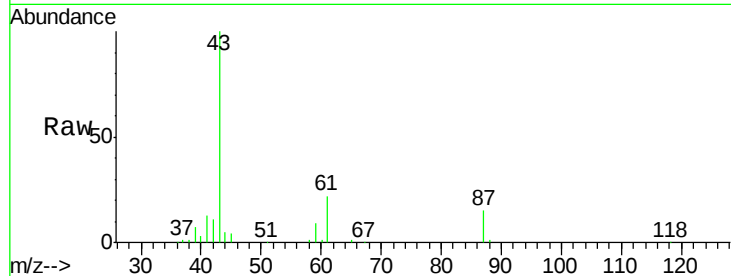
Tot Ion: 43 Resp: 56786

Ion Ratio Lower Upper

43 100

61 22.0 17.8 26.8

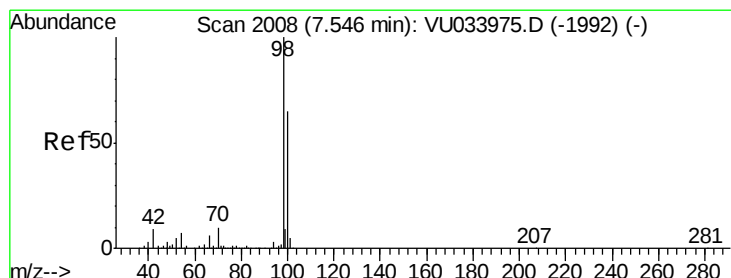
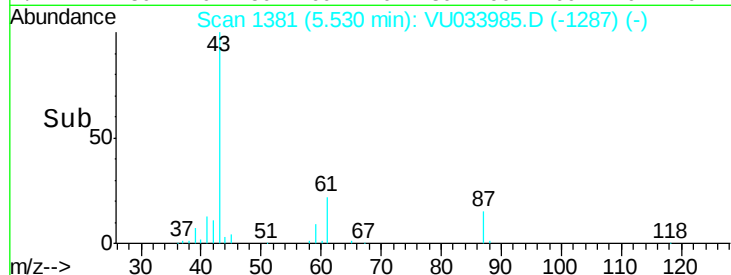
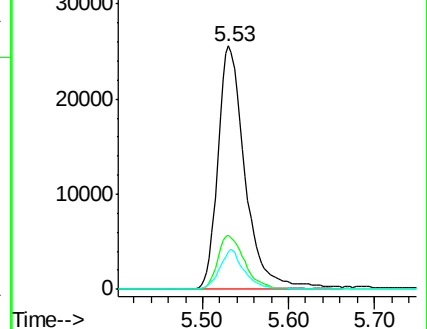
87 14.5 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-1365) (-)

Ion 61.00 (60.70 to 61.70): VU033975.D (-1365) (-)

Ion 87.00 (86.70 to 87.70): VU033975.D (-1365) (-)



#50

Toluene-d8

Concen: 49.772 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU033985.D

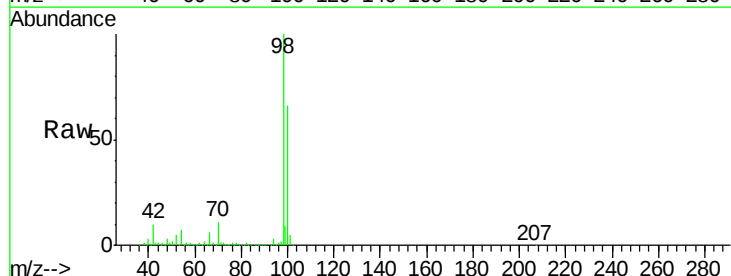
Acq: 27 Aug 2019 20:17

Tgt Ion: 98 Resp: 706288

Ion Ratio Lower Upper

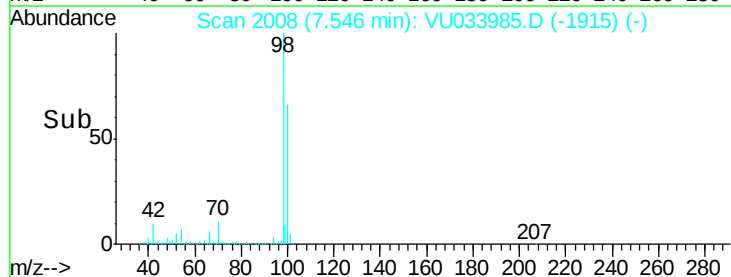
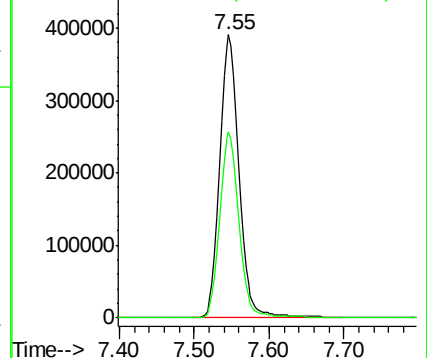
98 100

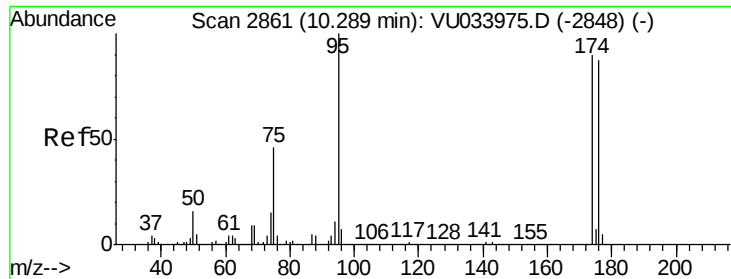
100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VU033975.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU033975.D (-1992) (-)

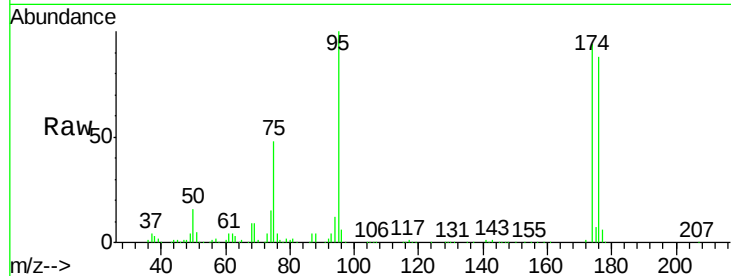




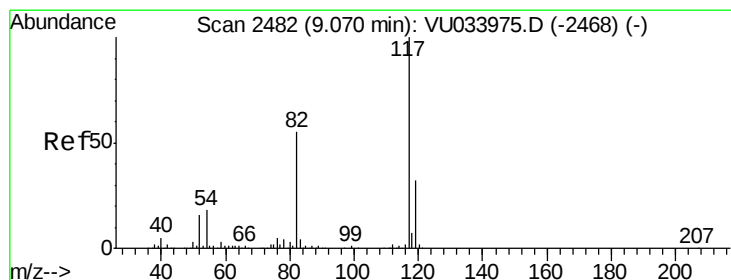
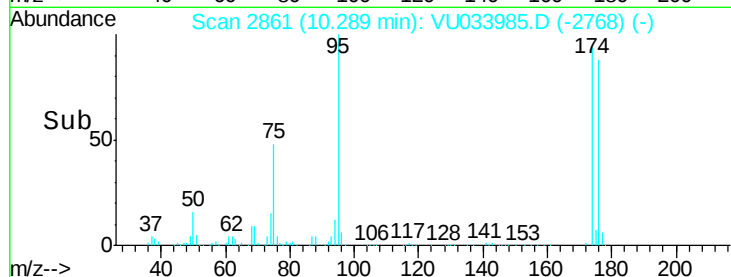
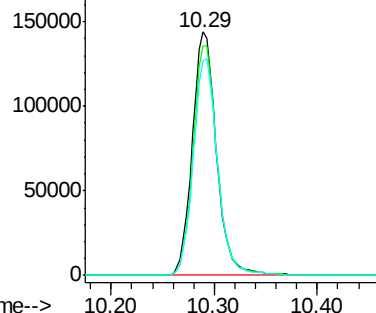
#62  
4-Bromofluorobenzene  
Concen: 43.177 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. 0.00 min  
Lab File: VU033985.D  
Acq: 27 Aug 2019 20:17

Instrument :  
MSVOA\_U  
ClientSampleId :  
T1-S-B2-(0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 94.4  | 0.0   | 183.8 |
| 176     | 89.4  | 0.0   | 176.4 |

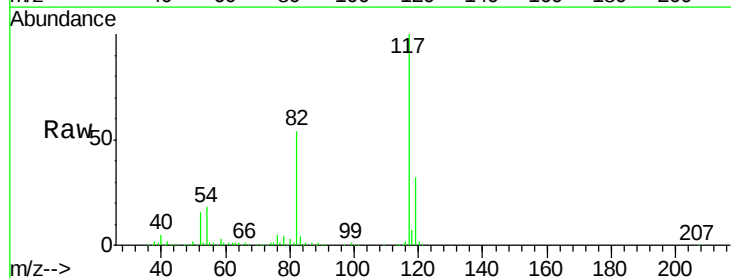


Abundance Ion 94.90 (94.60 to 95.60): VU033975.D (-2848) (-)  
Ion 173.80 (173.50 to 174.50): VU033975.D (-2848) (-)  
Ion 175.80 (175.50 to 176.50): VU033975.D (-2848) (-)

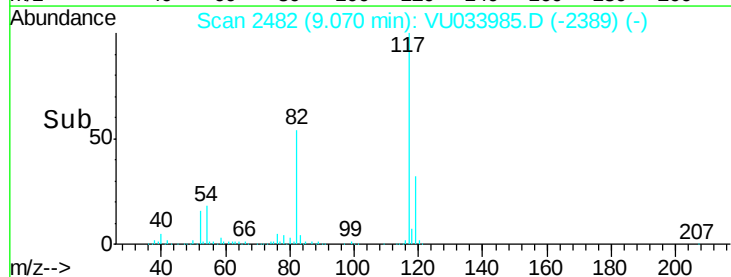
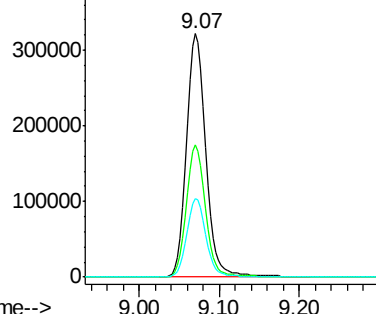


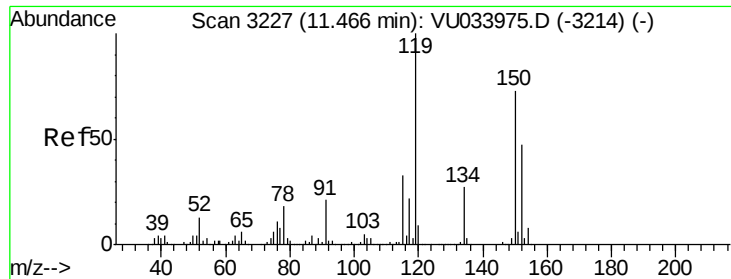
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU033985.D  
Acq: 27 Aug 2019 20:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.1  | 43.8  | 65.8  |
| 119     | 32.2  | 25.7  | 38.5  |



Abundance Ion 116.90 (116.60 to 117.60): VU033975.D (-2468) (-)  
Ion 82.00 (81.70 to 82.70): VU033975.D (-2468) (-)  
Ion 118.90 (118.60 to 119.60): VU033975.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033985.D

Acq: 27 Aug 2019 20:17

Instrument :

MSVOA\_U

ClientSampleId :

T1-S-B2-(0)

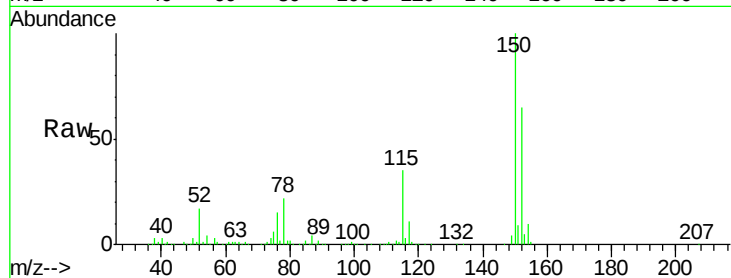
Tot Ion:152 Resp: 254261

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

150 155.0 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

