

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\  
 Data File : VU025767.D  
 Acq On : 01 Aug 2018 11:20  
 Operator : MD/SY  
 Sample : J4251-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CB-TCLP-11-4-0718

Quant Time: Aug 02 04:02:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 16:07:47 2018  
 Response via : Initial Calibration

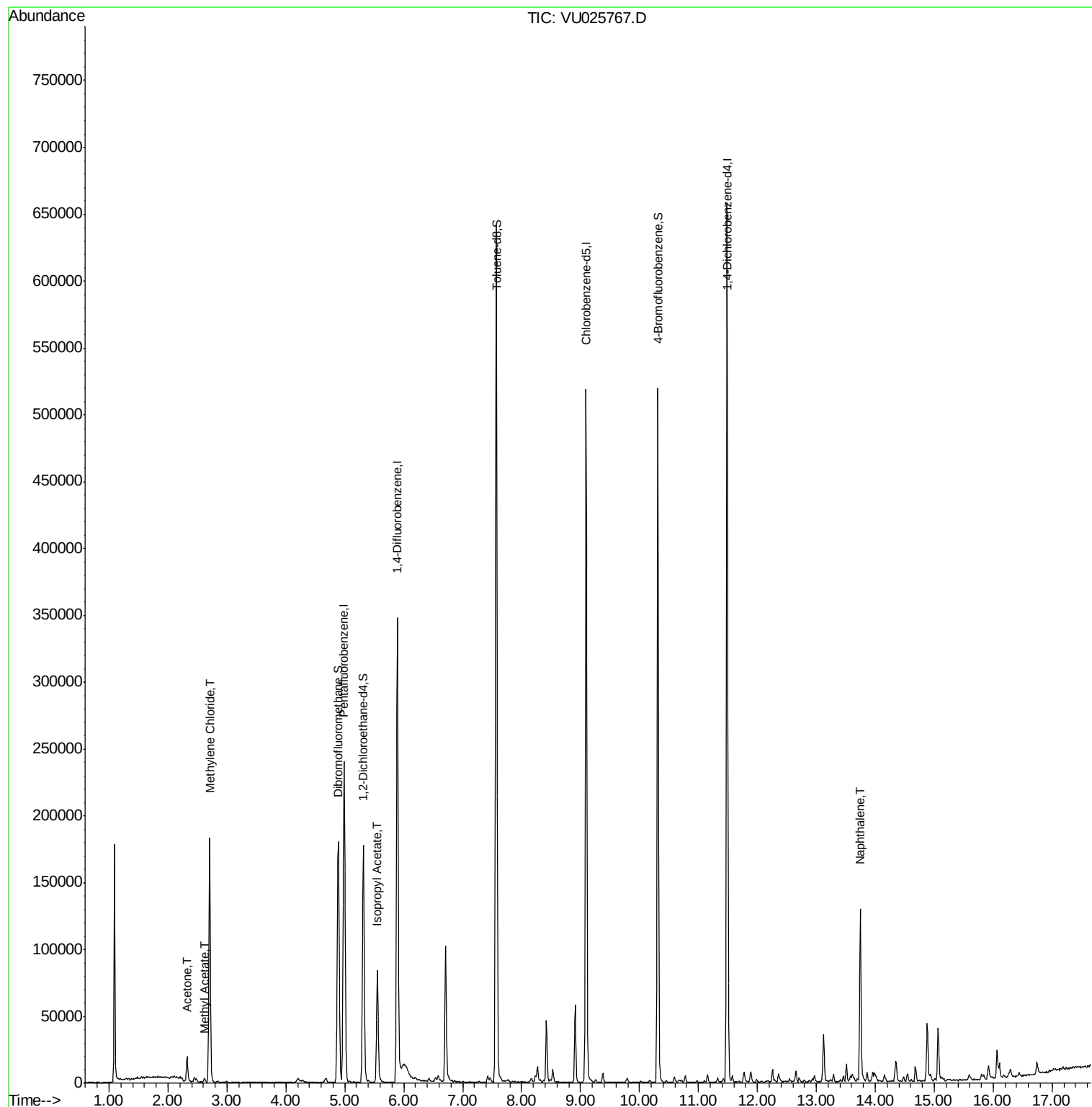
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 186438   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 296963   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 290554   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 170758   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.32  | 65   | 143381   | 49.36  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.72% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 122737   | 47.52  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.04% |          |
| 50) Toluene-d8              | 7.57  | 98   | 435490   | 48.18  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.36% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 164965   | 47.02  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.04% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.32  | 43   | 19737    | 13.936 | ug/l   | 93       |
| 18) Methyl Acetate          | 2.62  | 43   | 3716     | 1.090  | ug/l # | 89       |
| 20) Methylene Chloride      | 2.71  | 84   | 81659    | 32.534 | ug/l   | 97       |
| 43) Isopropyl Acetate       | 5.55  | 43   | 96342    | 16.201 | ug/l   | 99       |
| 95) Naphthalene             | 13.75 | 128  | 109935   | 9.704  | ug/l   | 98       |

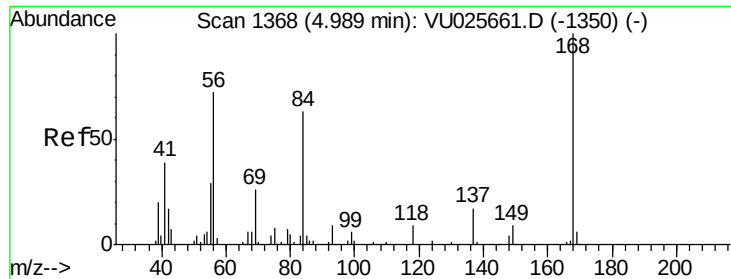
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080118\  
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ALS Vial : 32 Sample Multiplier: 1

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CB-TCLP-11-4-0718

Quant Time: Aug 02 04:02:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 16:07:47 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: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA\_U

ClientSampleId :

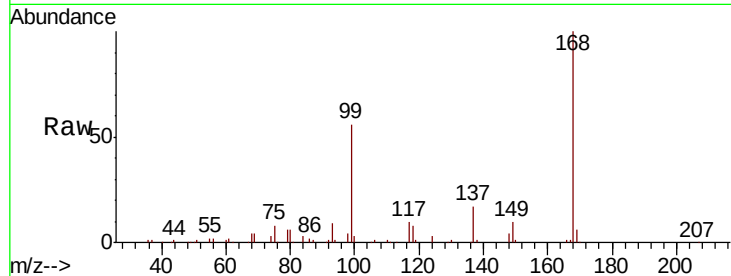
CB-TCLP-11-4-0718

Tot Ion:168 Resp: 186438

Ion Ratio Lower Upper

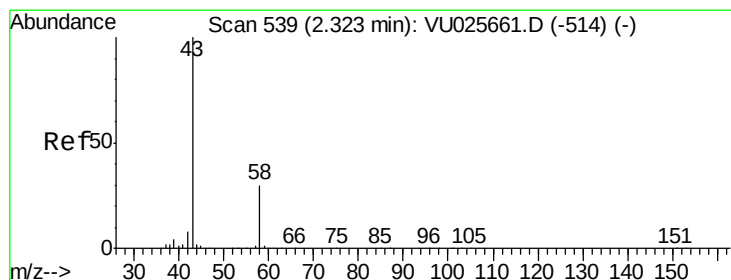
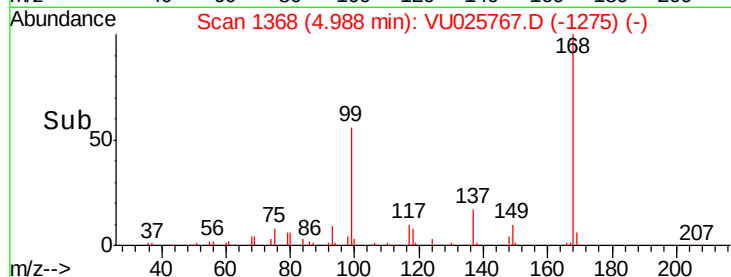
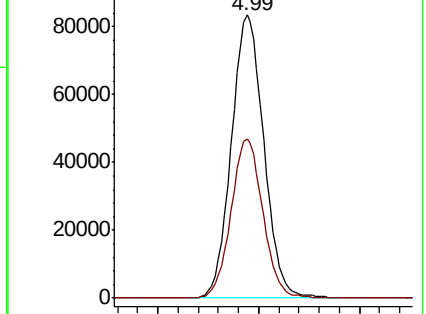
168 100

99 56.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#16

Acetone

Concen: 13.936 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025767.D

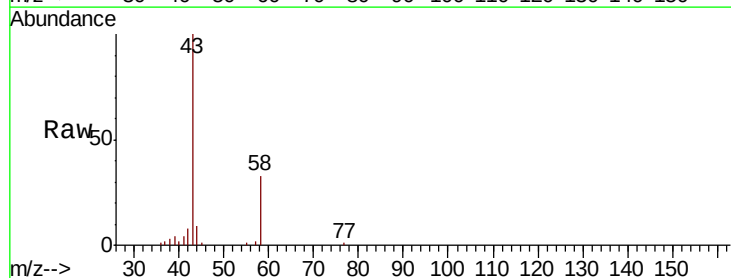
Acq: 01 Aug 2018 11:20

Tgt Ion: 43 Resp: 19737

Ion Ratio Lower Upper

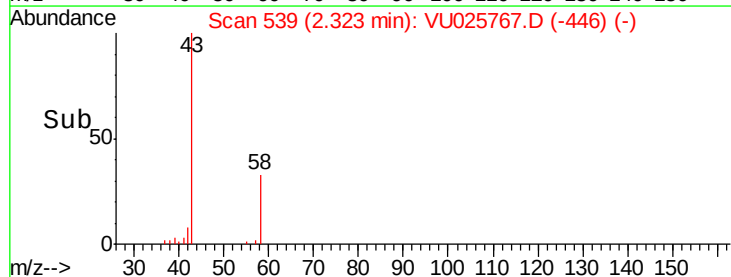
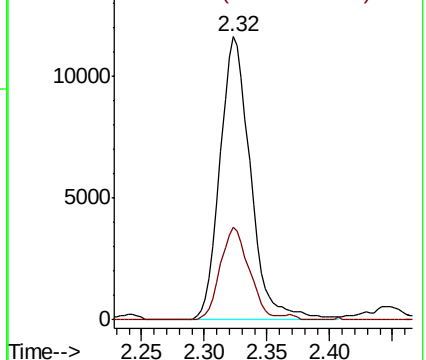
43 100

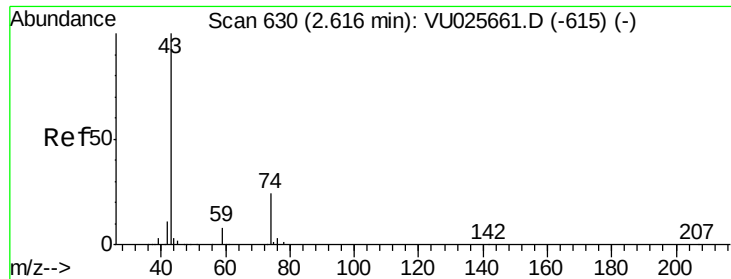
58 32.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-514) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-514) (-)

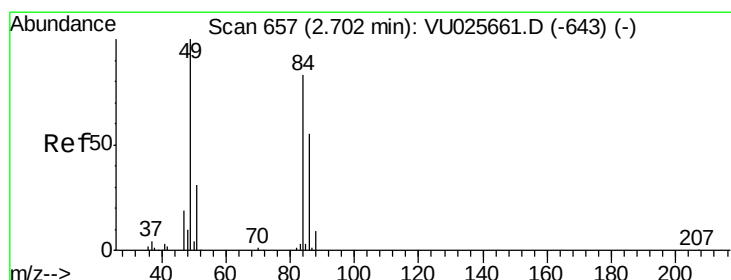
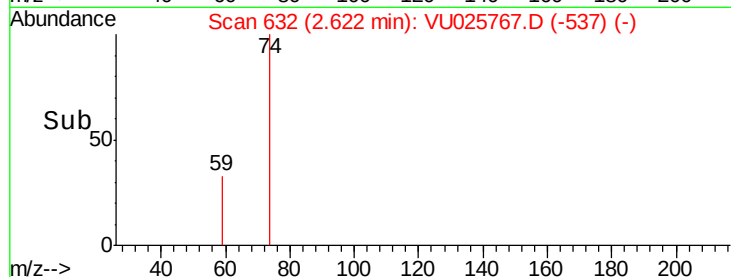
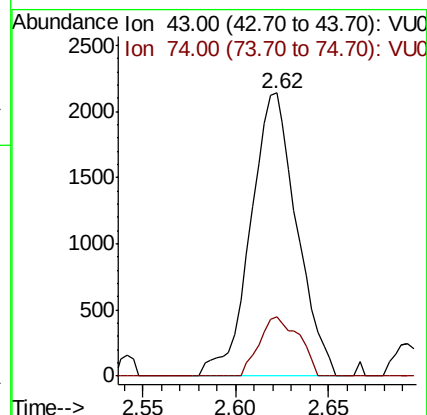
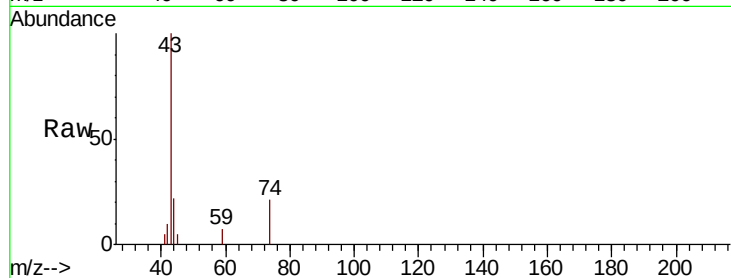




#18  
Methvl Acetate  
Concen: 1.090 ug/l  
RT: 2.62 min Scan# 632  
Delta R.T. 0.01 min  
Lab File: VU025767.D  
Acq: 01 Aug 2018 11:20

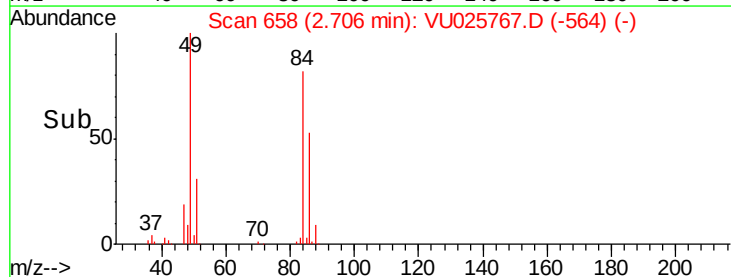
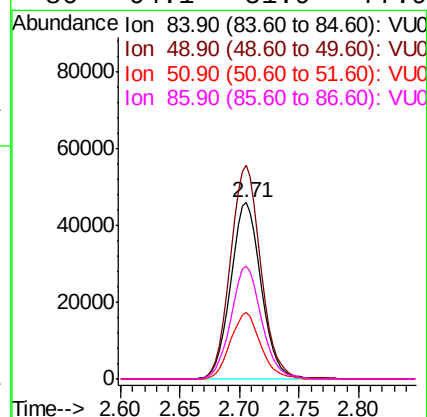
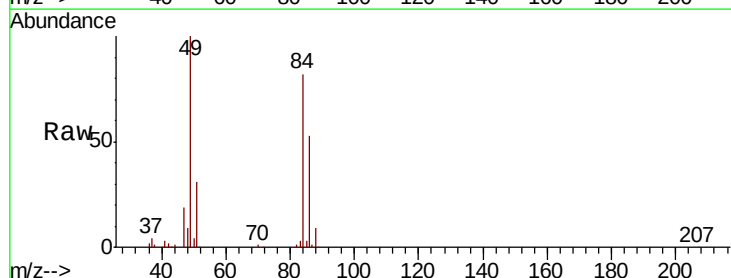
Instrument :  
MSVOA\_U  
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CB-TCLP-11-4-0718

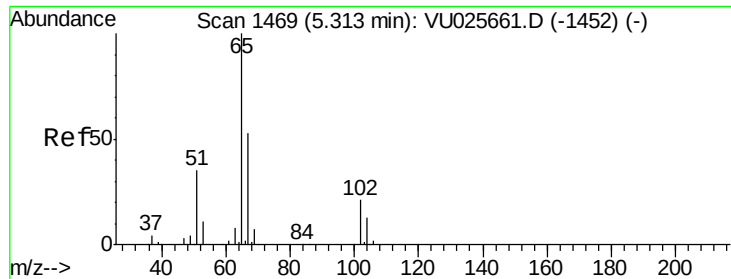
Tot Ion: 43 Resp: 3716  
Ion Ratio Lower Upper  
43 100  
74 17.9 18.5 27.7#



#20  
Methylene Chloride  
Concen: 32.534 ug/l  
RT: 2.71 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VU025767.D  
Acq: 01 Aug 2018 11:20

Tgt Ion: 84 Resp: 81659  
Ion Ratio Lower Upper  
84 100  
49 121.2 101.8 152.6  
51 37.7 30.8 46.2  
86 64.1 51.9 77.9

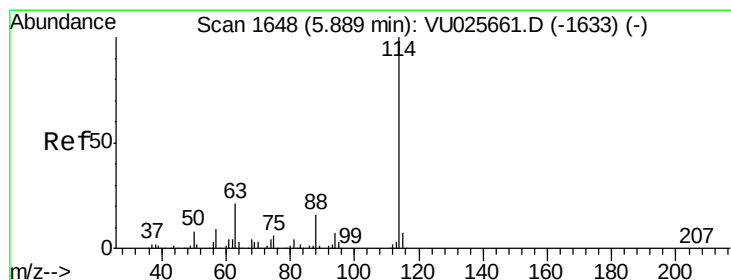
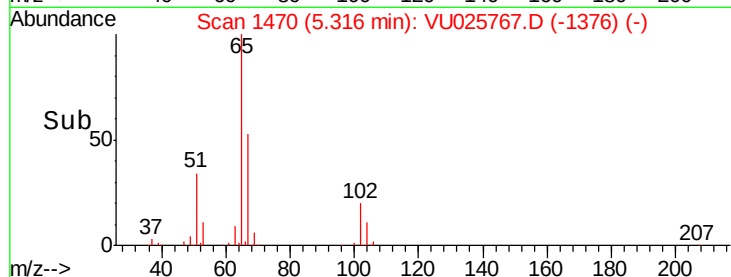
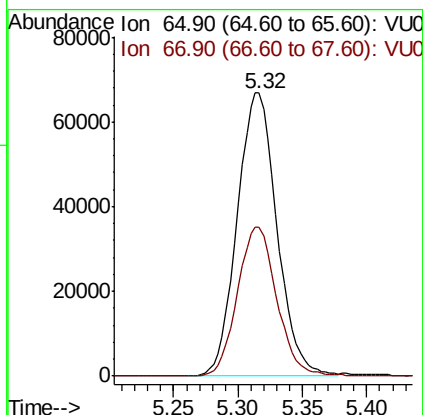
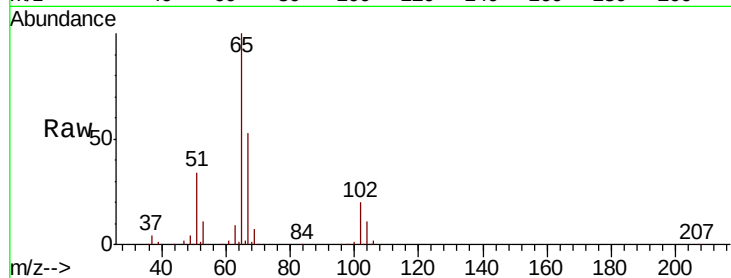




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.358 ug/l  
 RT: 5.32 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: VU025767.D  
 Acq: 01 Aug 2018 11:20

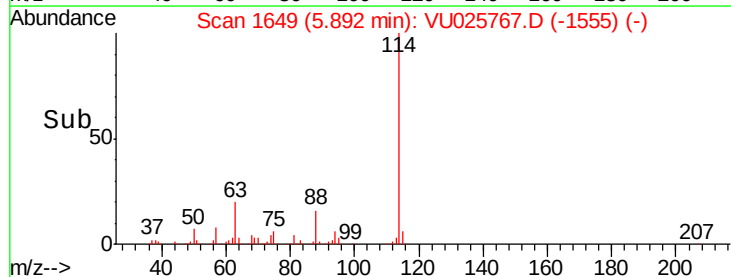
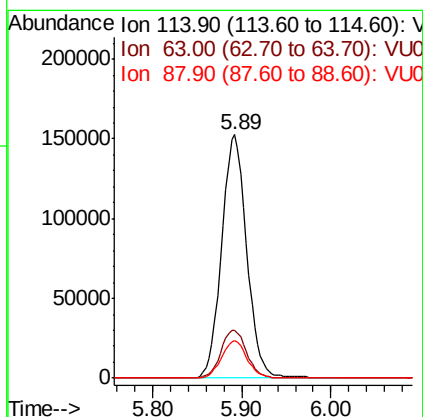
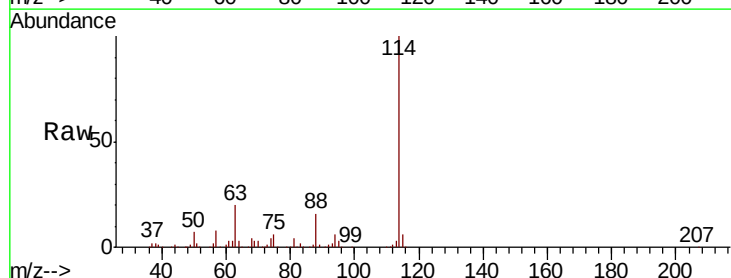
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CB-TCLP-11-4-0718

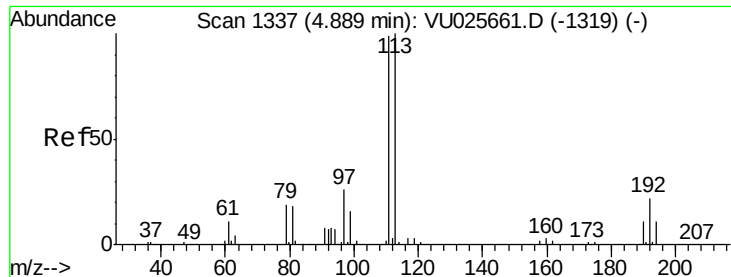
Tot Ion: 65 Resp: 143381  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1649  
 Delta R.T. 0.00 min  
 Lab File: VU025767.D  
 Acq: 01 Aug 2018 11:20

Tgt Ion: 114 Resp: 296963  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 41.6  
 88 15.6 0.0 32.4

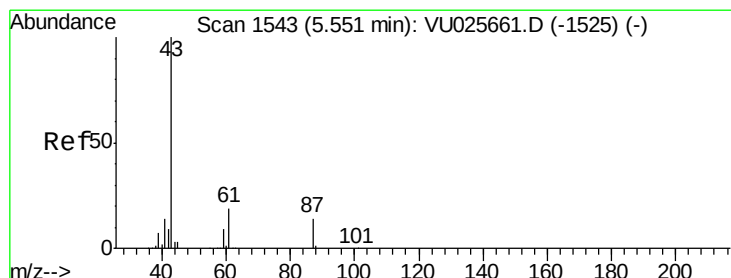
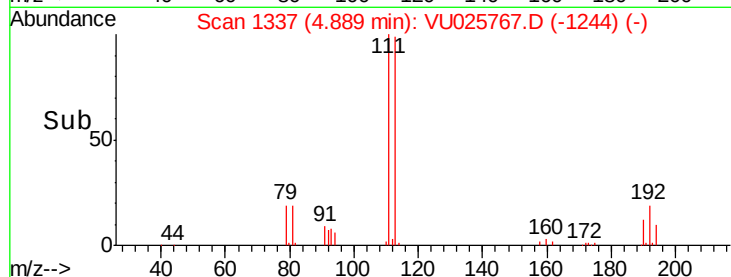
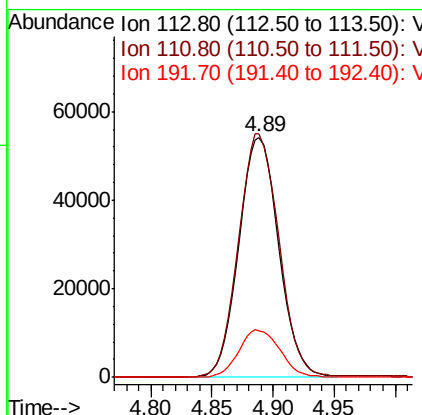
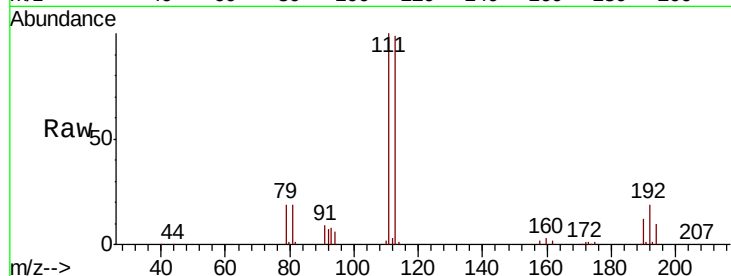




#35  
 Dibromofluoromethane  
 Concen: 47.520 ug/l  
 RT: 4.89 min Scan# 1337  
 Delta R.T. -0.00 min  
 Lab File: VU025767.D  
 Acq: 01 Aug 2018 11:20

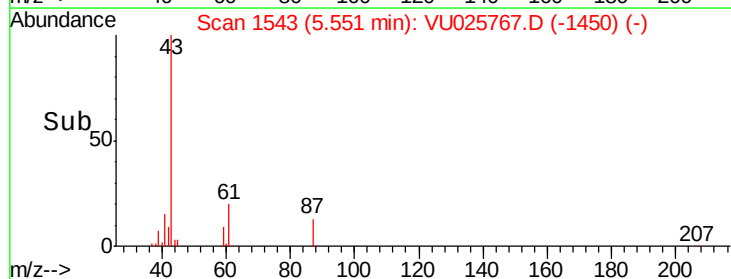
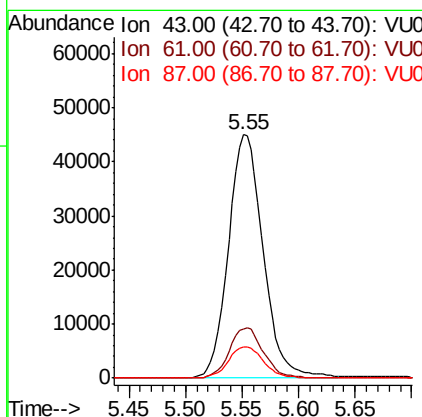
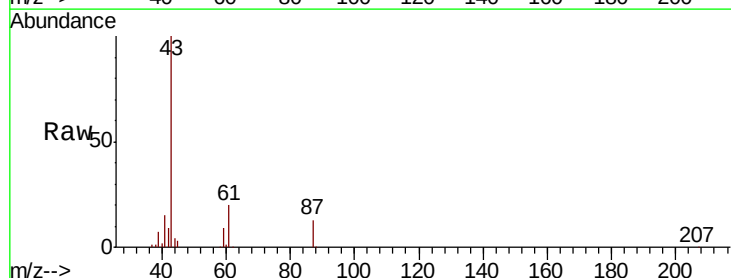
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CB-TCLP-11-4-0718

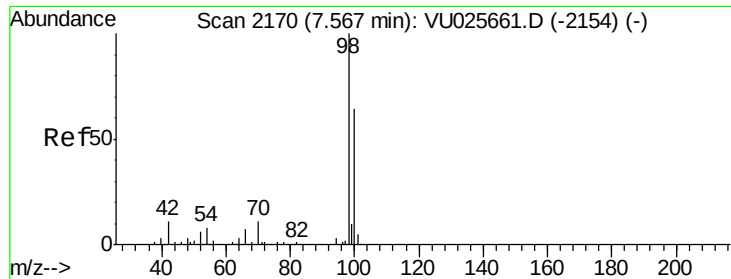
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 81.7  | 122.5 |
| 192     | 20.6  | 17.1  | 25.7  |



#43  
 Isopropyl Acetate  
 Concen: 16.201 ug/l  
 RT: 5.55 min Scan# 1543  
 Delta R.T. -0.00 min  
 Lab File: VU025767.D  
 Acq: 01 Aug 2018 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.3  | 15.5  | 23.3  |
| 87      | 13.1  | 10.6  | 16.0  |

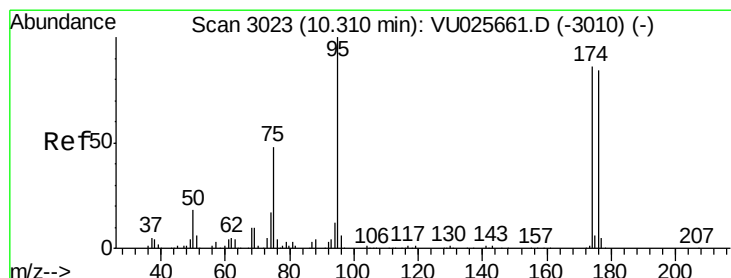
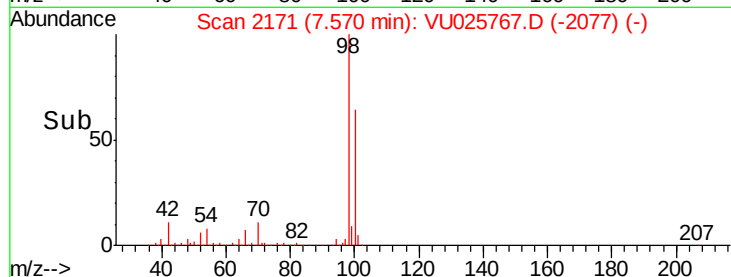
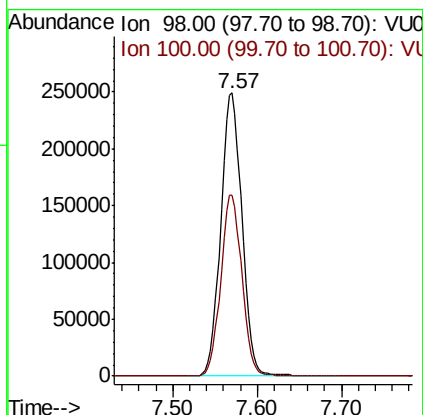
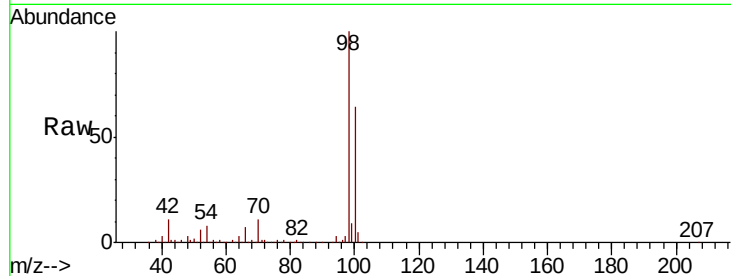




#50  
Toluene-d8  
Concen: 48.183 ug/l  
RT: 7.57 min Scan# 2171  
Delta R.T. 0.00 min  
Lab File: VU025767.D  
Acq: 01 Aug 2018 11:20

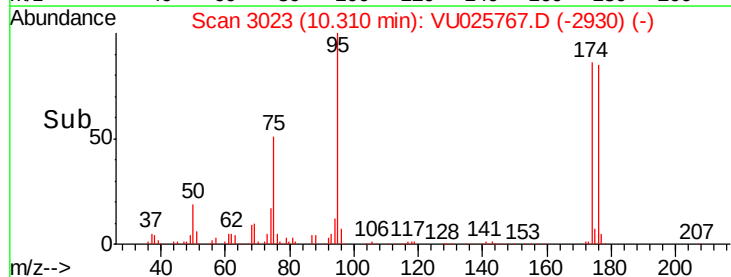
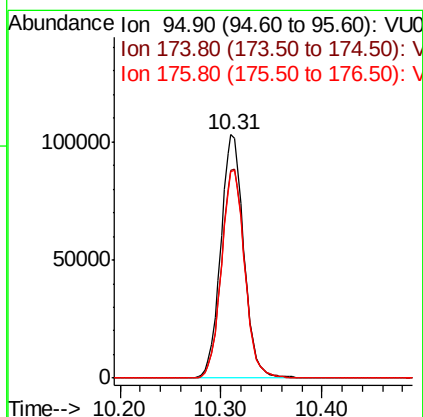
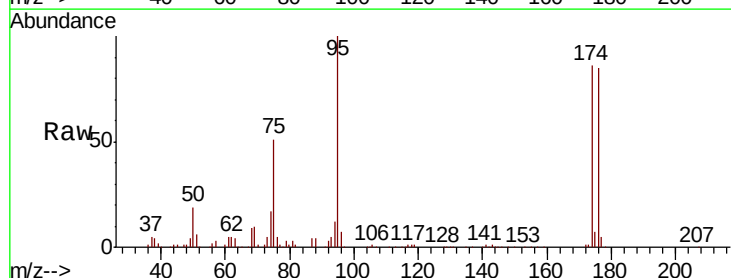
Instrument :  
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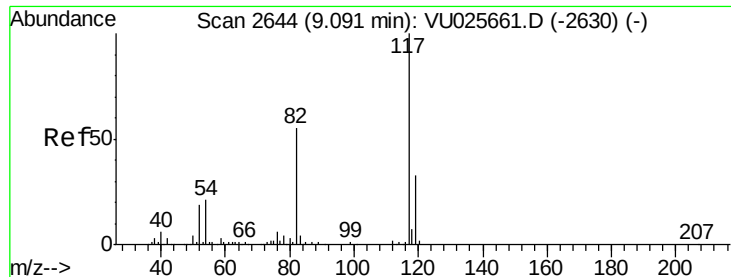
Tot Ion: 98 Resp: 435490  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 47.024 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU025767.D  
Acq: 01 Aug 2018 11:20

Tgt Ion: 95 Resp: 164965  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 172.2  
176 85.8 0.0 162.6

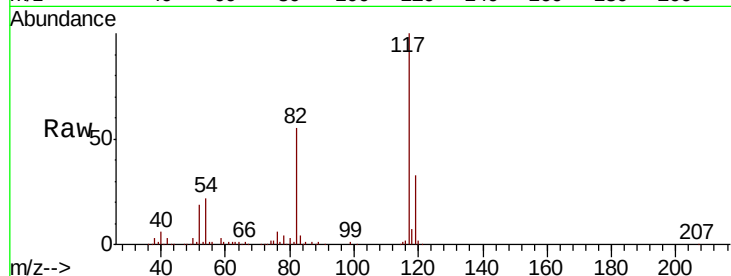




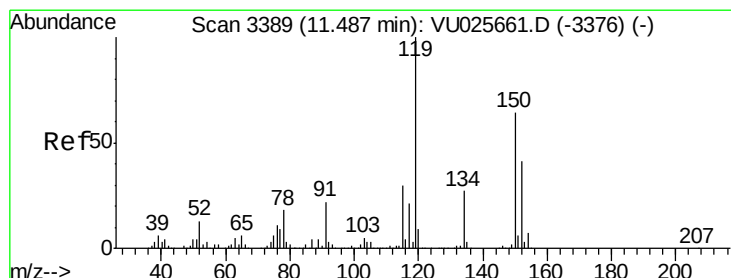
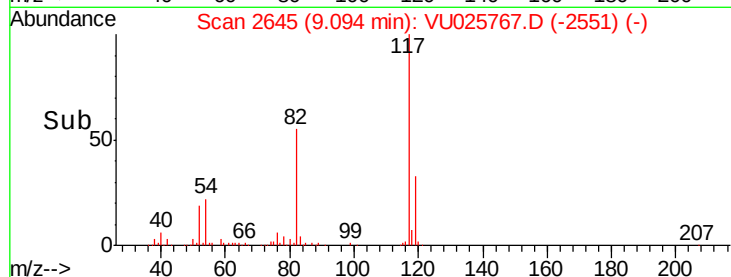
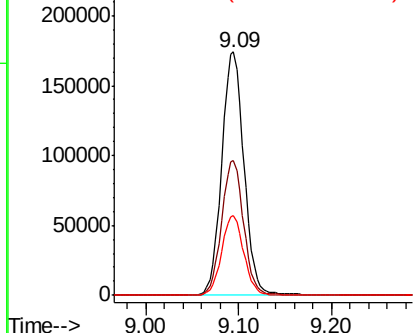
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VU025767.D  
Acq: 01 Aug 2018 11:20

Instrument :  
MSVOA\_U  
ClientSampleId :  
CB-TCLP-11-4-0718

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.3  | 46.0  | 69.0  |
| 119     | 32.6  | 26.0  | 39.0  |

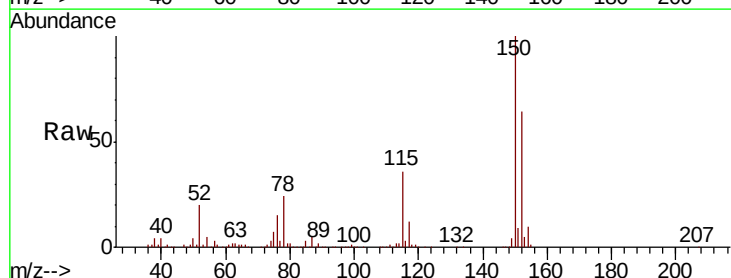


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

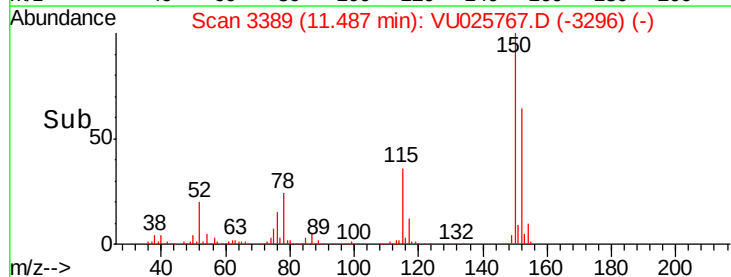
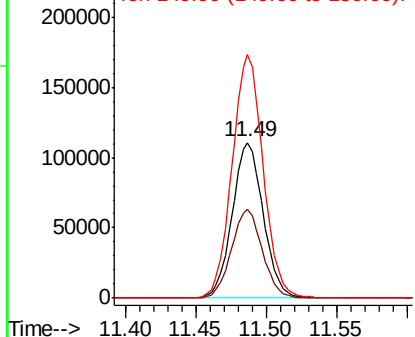


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 3389  
Delta R.T. -0.00 min  
Lab File: VU025767.D  
Acq: 01 Aug 2018 11:20

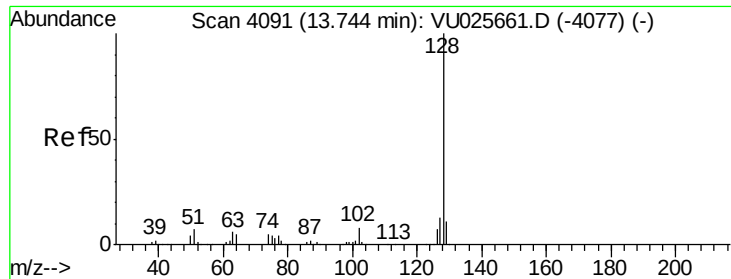
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.6  | 40.1  | 120.3 |
| 150     | 156.7 | 0.0   | 351.4 |



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: 9.704 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA\_U

ClientSampleId :

CB-TCLP-11-4-0718

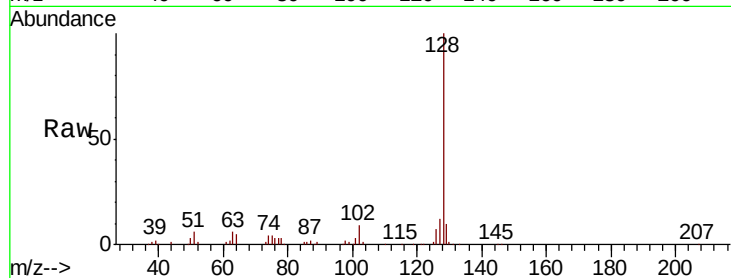
Tot Ion:128 Resp: 109935

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

129 10.9 8.3 12.5



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

