

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\  
 Data File : VU028363.D  
 Acq On : 28 Nov 2018 14:07  
 Operator : MD/SY  
 Sample : J6082-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 S49-EB-2018-1

Quant Time: Nov 29 06:35:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 29 01:04:49 2018  
 Response via : Initial Calibration

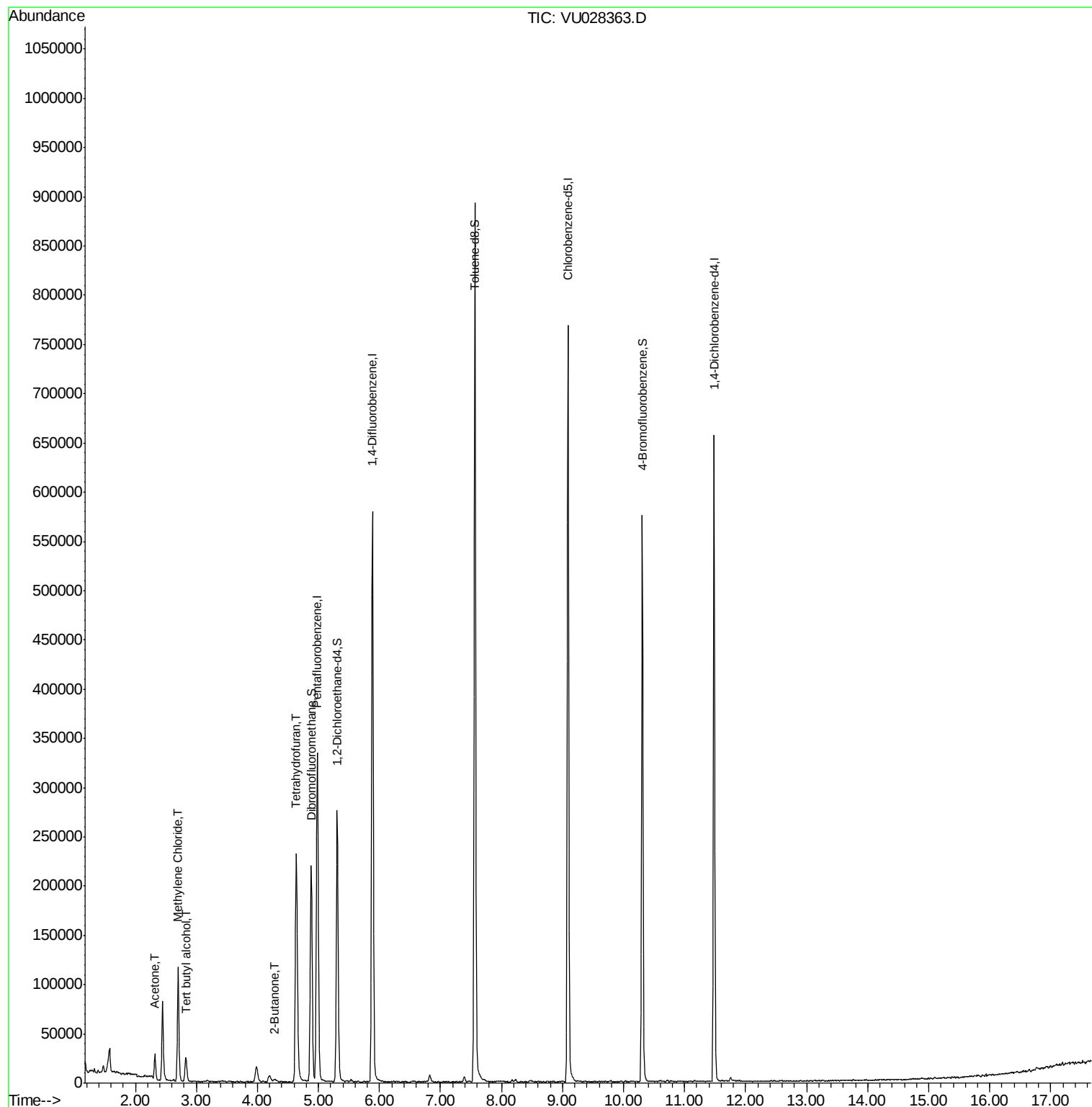
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 237833   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.88  | 114  | 450652   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 405278   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 156000   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 210350   | 52.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.84% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 150338   | 50.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.34% |          |
| 50) Toluene-d8              | 7.56  | 98   | 585276   | 48.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.68%  |          |
| 62) 4-Bromofluorobenzene    | 10.30 | 95   | 192605   | 44.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 11) Tert butyl alcohol      | 2.83  | 59   | 27407    | 30.351 | ug/l    | 97       |
| 16) Acetone                 | 2.32  | 43   | 27371    | 11.257 | ug/l    | 99       |
| 20) Methylene Chloride      | 2.70  | 84   | 44602    | 12.950 | ug/l    | 97       |
| 25) 2-Butanone              | 4.28  | 43   | 5283     | 1.516  | ug/l    | 99       |
| 29) Tetrahydrofuran         | 4.64  | 42   | 189589   | 83.797 | ug/l    | 99       |

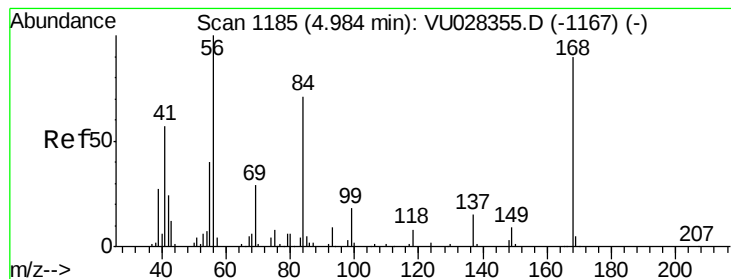
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112818\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U112818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 29 01:04:49 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA\_U

ClientSampleId :

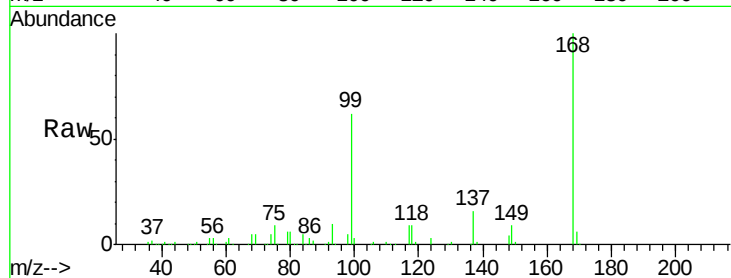
S49-EB-2018-1

Tot Ion:168 Resp: 237833

Ion Ratio Lower Upper

168 100

99 61.9 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

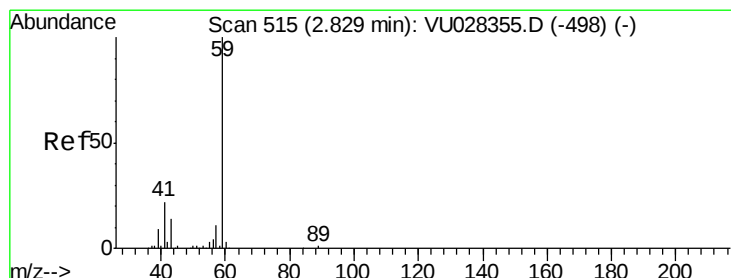
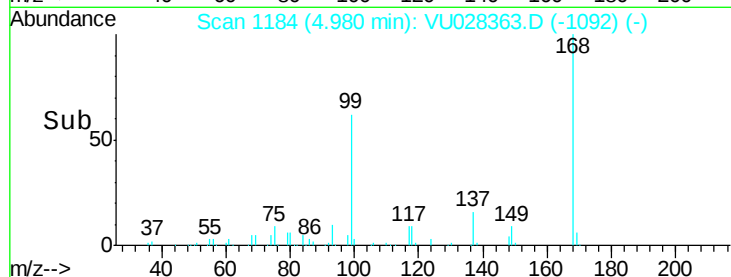
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 30.351 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028363.D

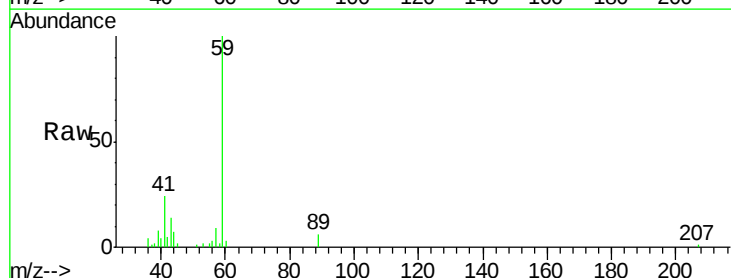
Acq: 28 Nov 2018 14:07

Tgt Ion: 59 Resp: 27407

Ion Ratio Lower Upper

59 100

57 9.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.83

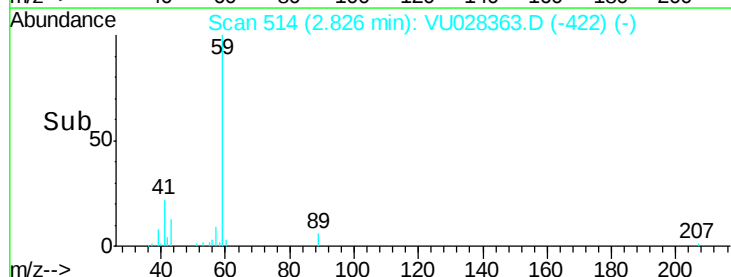
15000

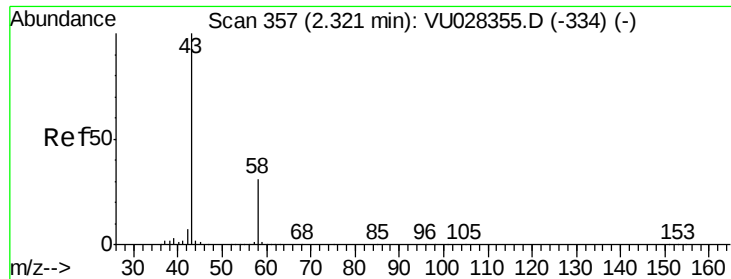
10000

5000

0

Time-->





#16

Acetone

Concen: 11.257 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA\_U

ClientSampleId :

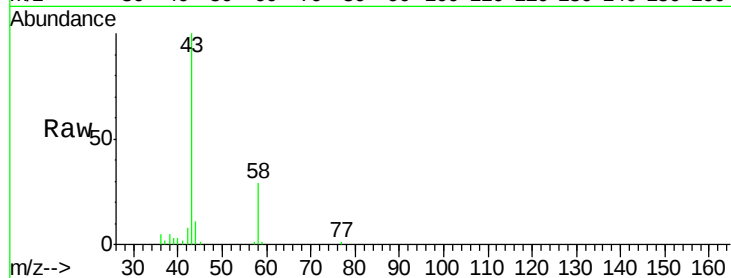
S49-EB-2018-1

Tot Ion: 43 Resp: 27371

Ion Ratio Lower Upper

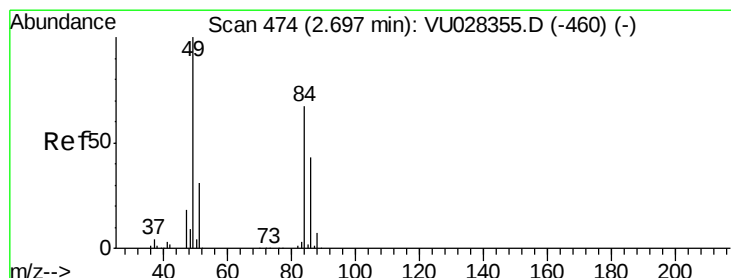
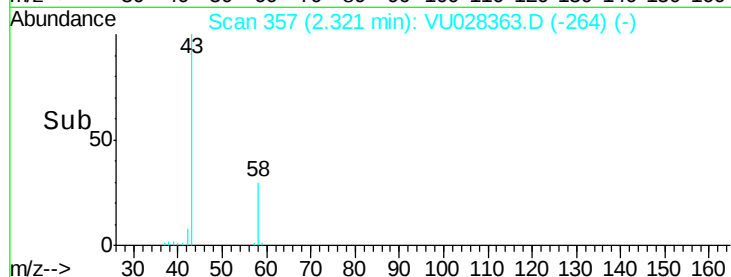
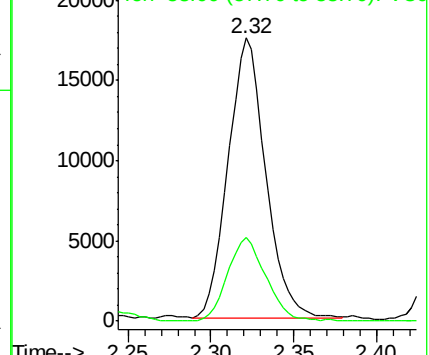
43 100

58 29.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 12.950 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Tgt Ion: 84 Resp: 44602

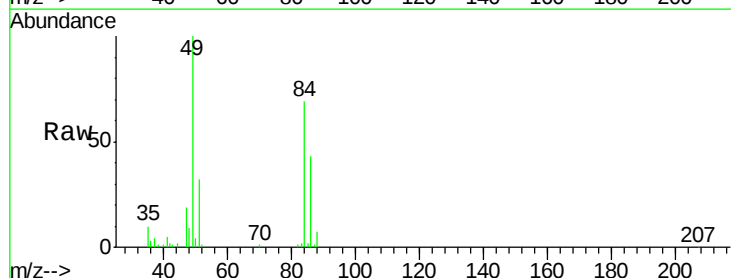
Ion Ratio Lower Upper

84 100

49 145.3 120.0 180.0

51 46.9 36.9 55.3

86 61.8 51.1 76.7

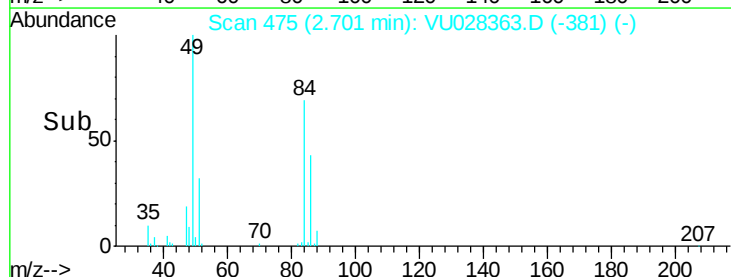
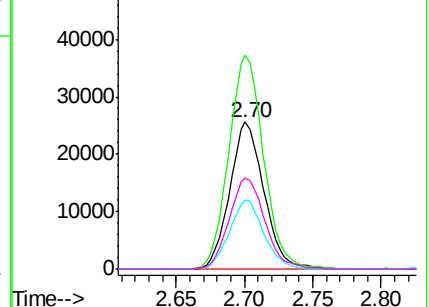


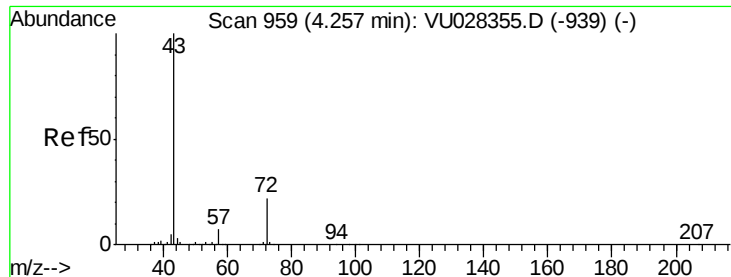
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

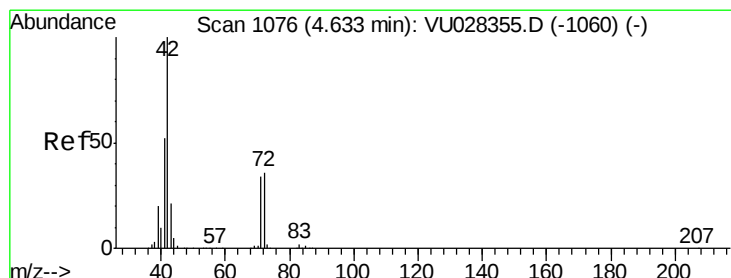
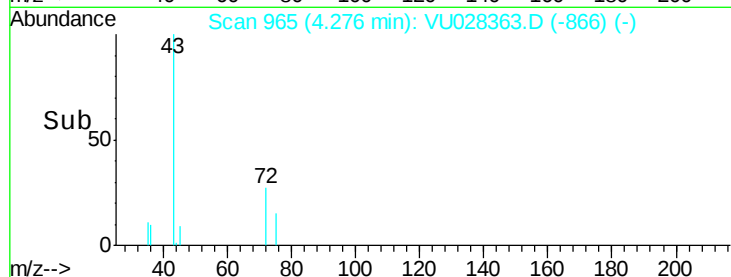
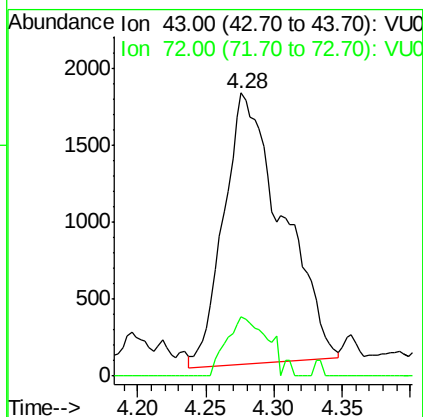
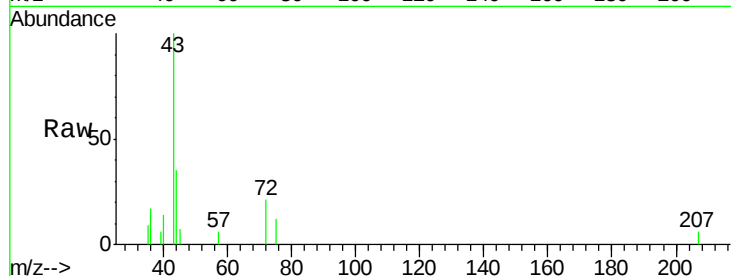




#25  
2-Butanone  
Concen: 1.516 ug/l  
RT: 4.28 min Scan# 965  
Delta R.T. 0.02 min  
Lab File: VU028363.D  
Acq: 28 Nov 2018 14:07

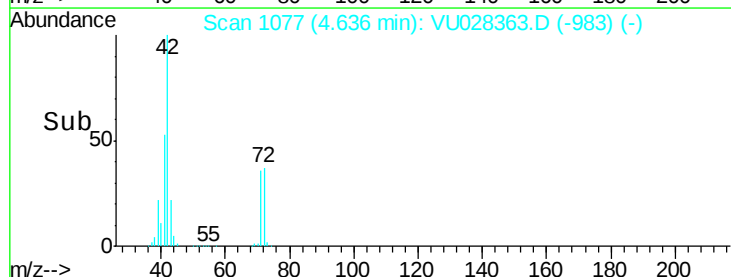
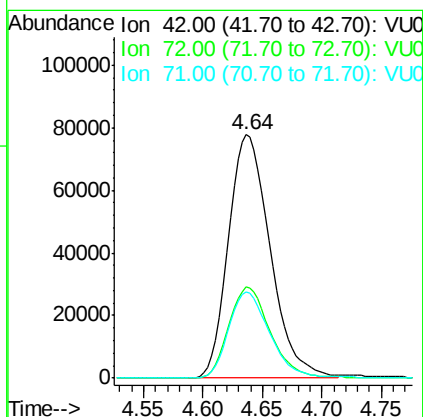
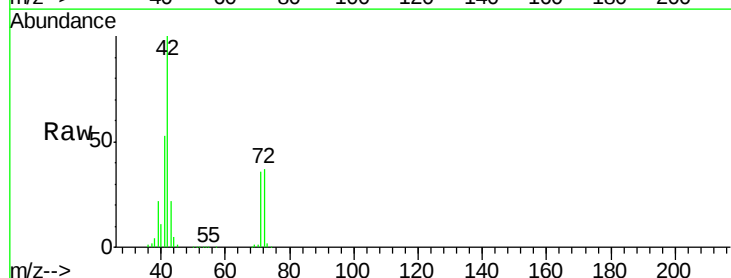
Instrument :  
MSVOA\_U  
ClientSampleId :  
S49-EB-2018-1

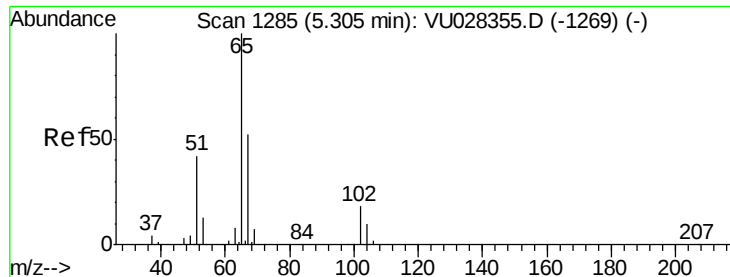
Tot Ion: 43 Resp: 5283  
Ion Ratio Lower Upper  
43 100  
72 22.6 17.7 26.5



#29  
Tetrahydrofuran  
Concen: 83.797 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VU028363.D  
Acq: 28 Nov 2018 14:07

Tgt Ion: 42 Resp: 189589  
Ion Ratio Lower Upper  
42 100  
72 36.8 29.5 44.3  
71 35.1 27.7 41.5

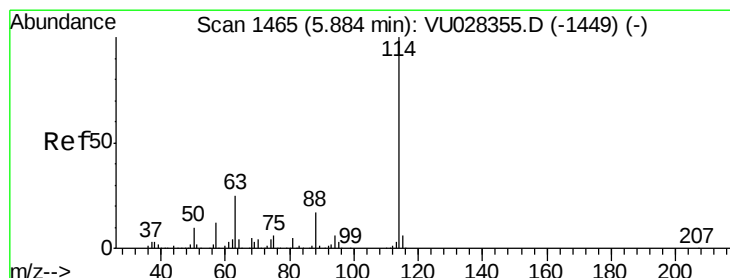
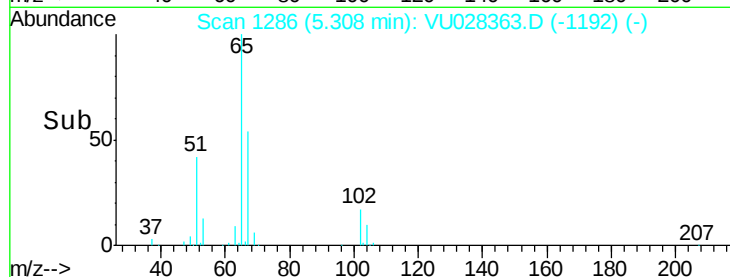
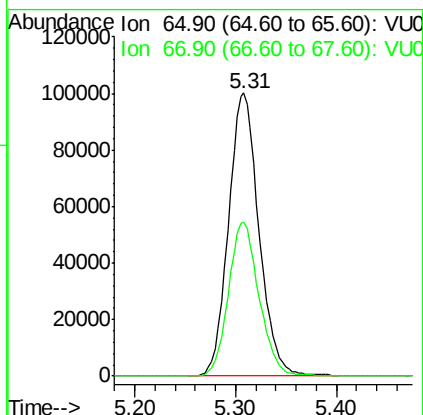
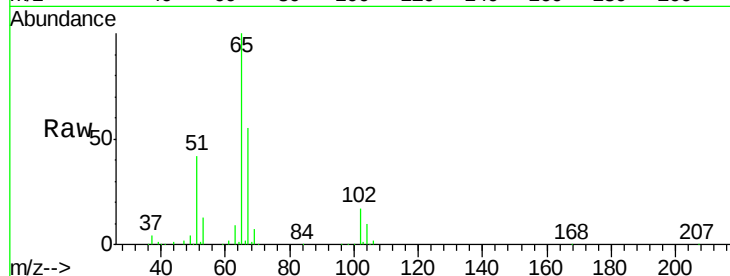




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.921 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: VU028363.D  
 Acq: 28 Nov 2018 14:07

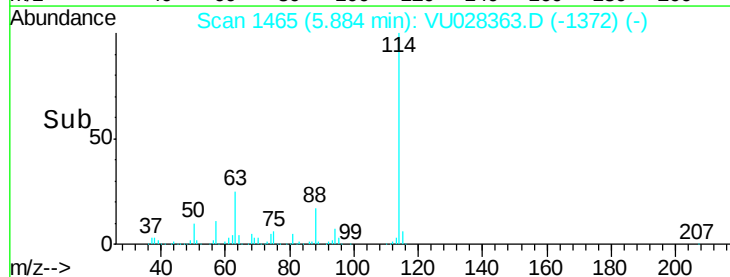
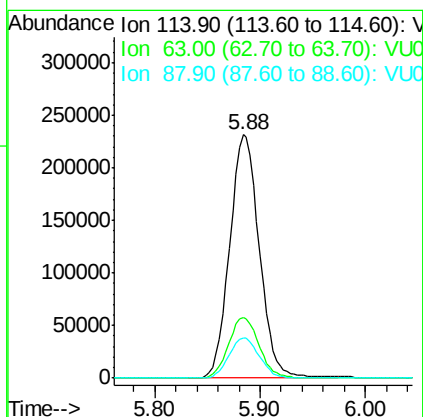
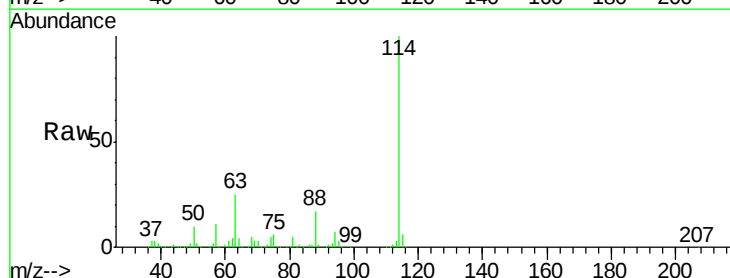
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 S49-EB-2018-1

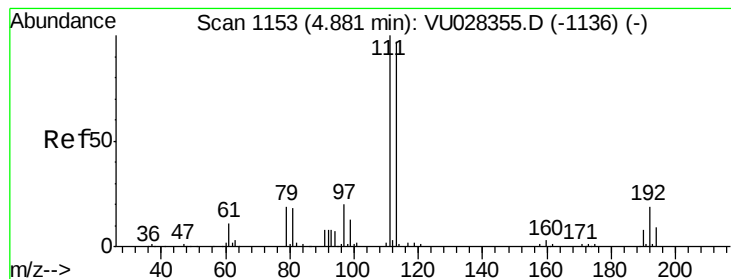
Tot Ion: 65 Resp: 210350  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU028363.D  
 Acq: 28 Nov 2018 14:07

Tgt Ion: 114 Resp: 450652  
 Ion Ratio Lower Upper  
 114 100  
 63 24.8 0.0 50.0  
 88 16.5 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.169 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA\_U

ClientSampleId :

S49-EB-2018-1

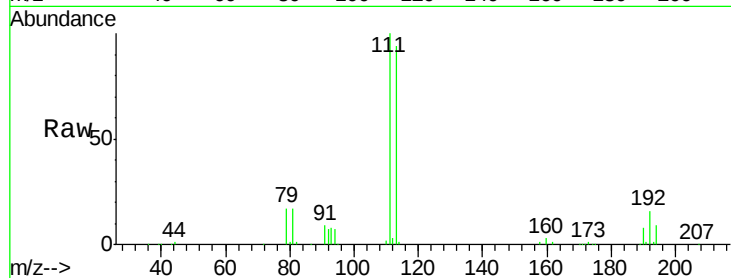
Tot Ion:113 Resp: 150338

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

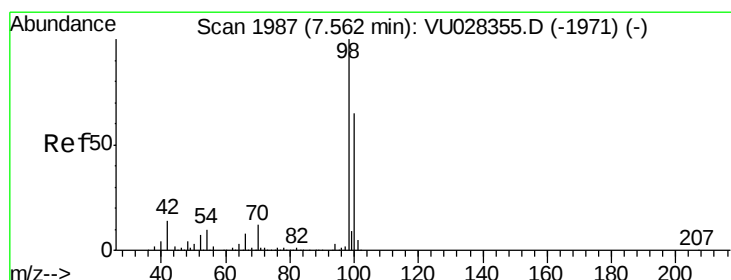
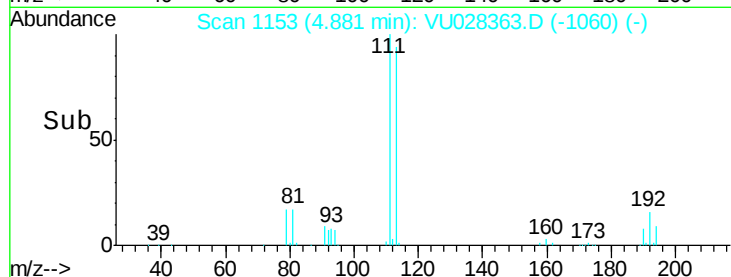
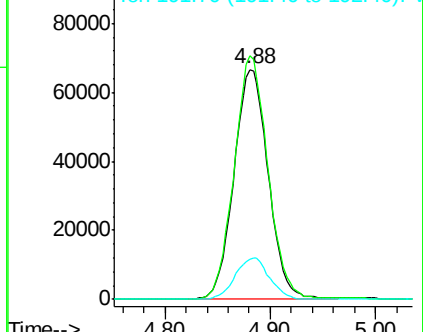
192 18.0 15.4 23.0



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



#50

Toluene-d8

Concen: 48.836 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028363.D

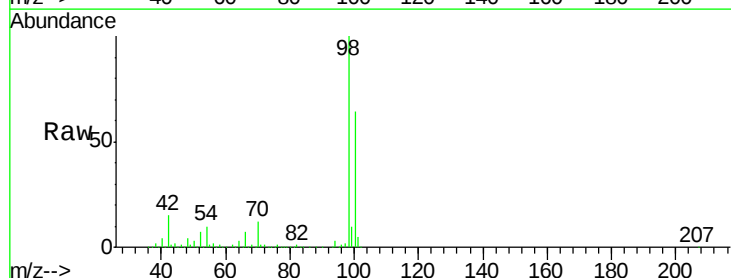
Acq: 28 Nov 2018 14:07

Tgt Ion: 98 Resp: 585276

Ion Ratio Lower Upper

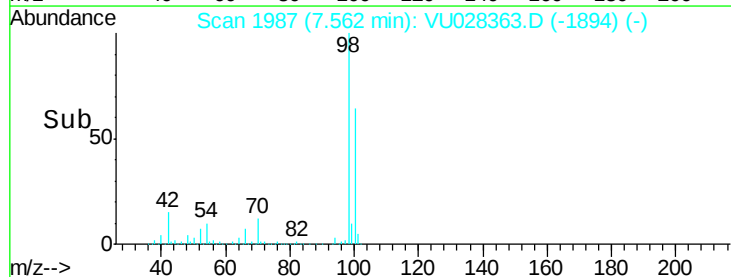
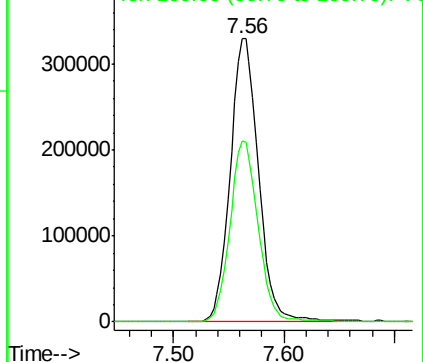
98 100

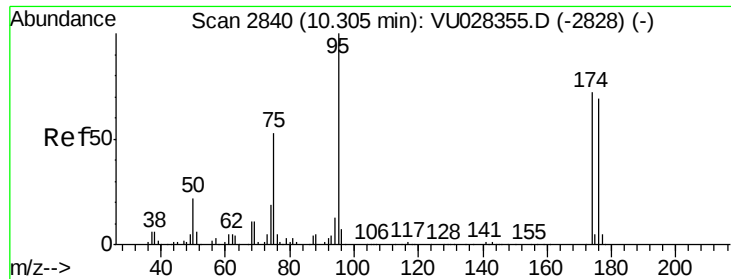
100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.589 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA\_U

ClientSampleId :

S49-EB-2018-1

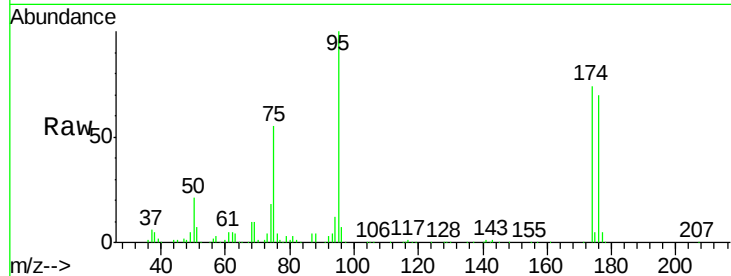
Tot Ion: 95 Resp: 192605

Ion Ratio Lower Upper

95 100

174 73.1 0.0 145.4

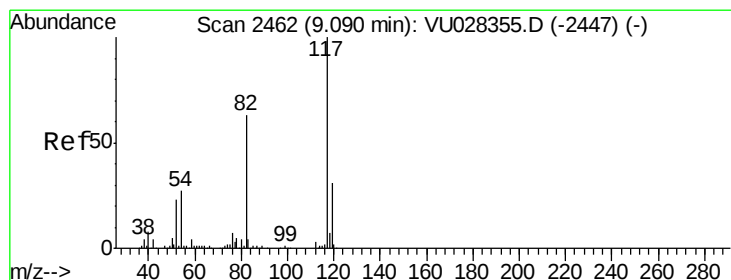
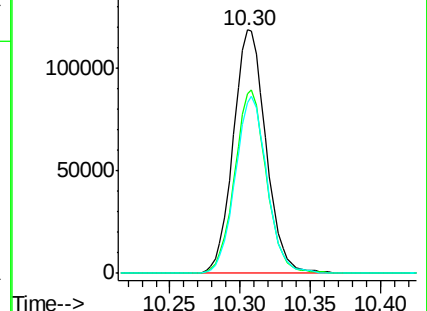
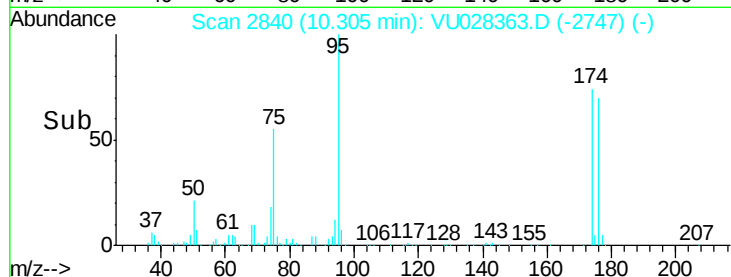
176 70.7 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU028363.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028363.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028363.D (-2747) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

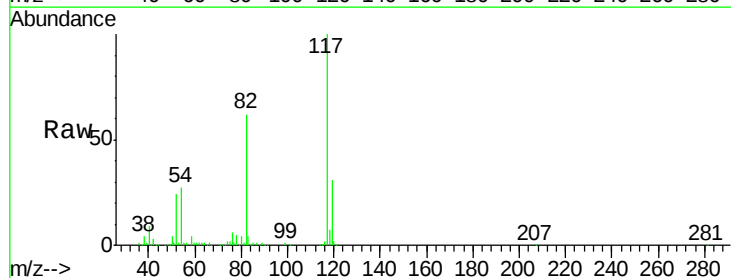
Tgt Ion: 117 Resp: 405278

Ion Ratio Lower Upper

117 100

82 62.3 50.3 75.5

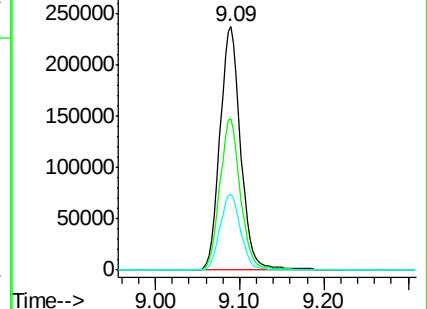
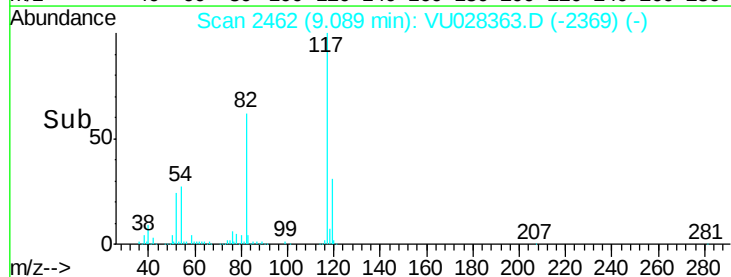
119 31.3 24.8 37.2

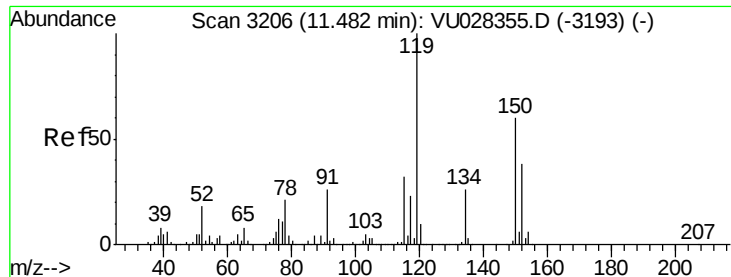


Abundance Ion 116.90 (116.60 to 117.60): VU028363.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028363.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028363.D (-2369) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028363.D

Acq: 28 Nov 2018 14:07

Instrument :

MSVOA\_U

ClientSampleId :

S49-EB-2018-1

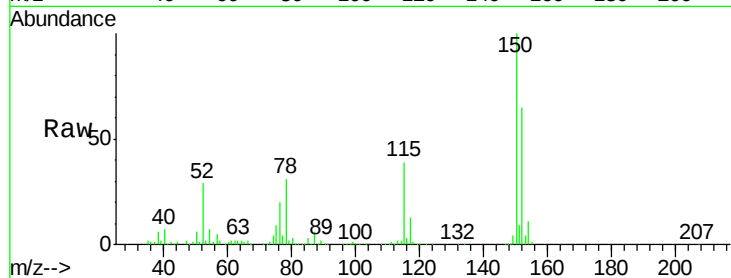
Tot Ion:152 Resp: 156000

Ion Ratio Lower Upper

152 100

115 63.0 45.0 134.8

150 158.4 0.0 349.2



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

