

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU112918\  
 Data File : VU028385.D  
 Acq On : 29 Nov 2018 11:55  
 Operator : MD/SY  
 Sample : J6082-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 30 07:22:45 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

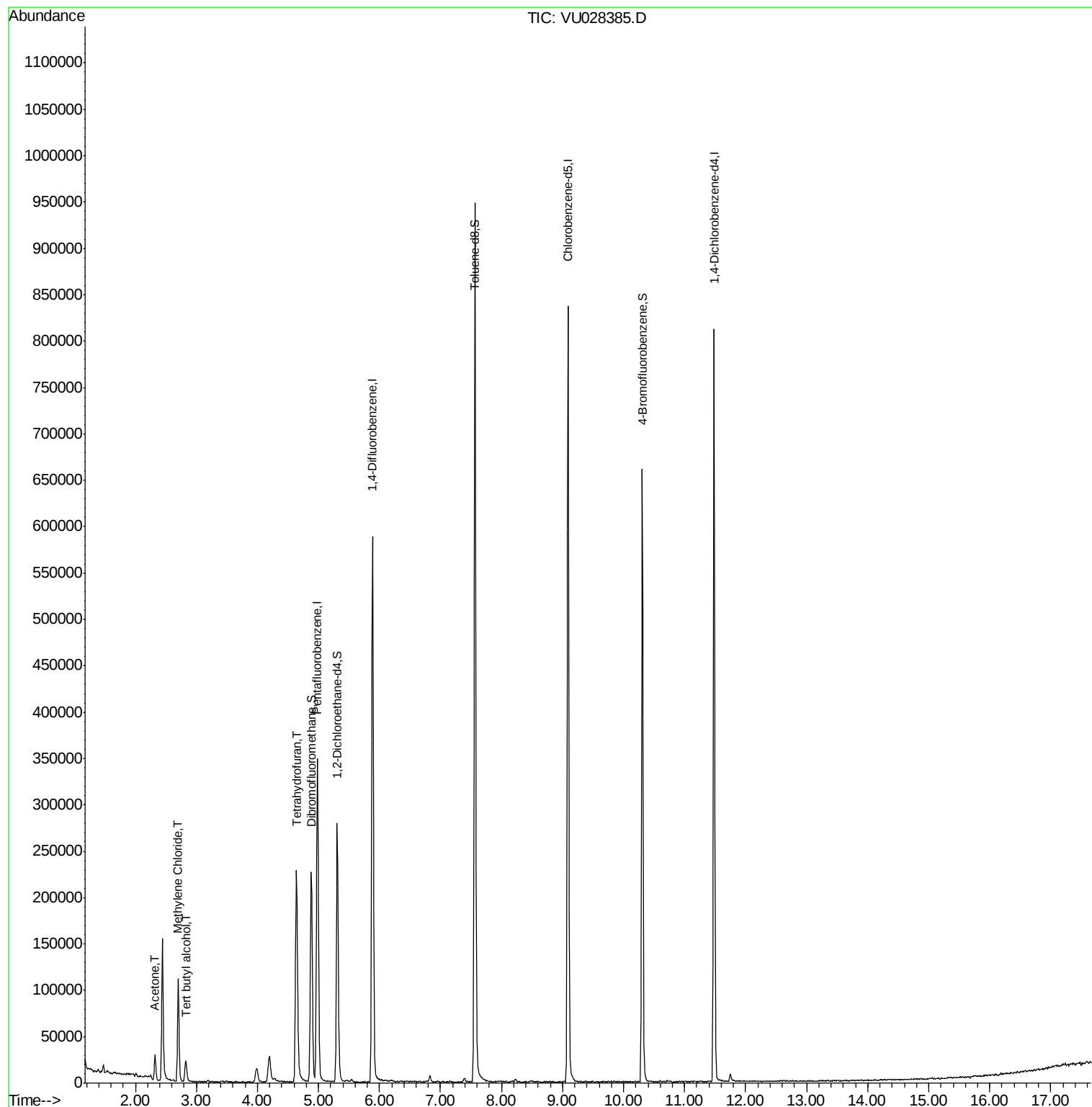
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 246139   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 462629   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 438135   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 194818   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 218753   | 53.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.36% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 157082   | 51.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.12% |          |
| 50) Toluene-d8              | 7.57  | 98   | 617234   | 50.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.34% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 222447   | 50.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.32% |          |
| Target Compounds            |       |      |          |        |         |          |
| 11) Tert butyl alcohol      | 2.83  | 59   | 26571    | 28.432 | ug/l    | 97       |
| 16) Acetone                 | 2.32  | 43   | 31308    | 12.442 | ug/l    | 96       |
| 20) Methylene Chloride      | 2.70  | 84   | 46226    | 12.969 | ug/l    | 93       |
| 29) Tetrahydrofuran         | 4.64  | 42   | 192501   | 82.212 | ug/l    | 98       |

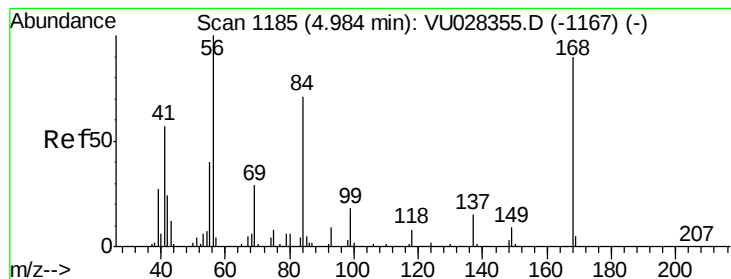
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1185

Delta R.T. -0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Instrument :

MSVOA\_U

ClientSampleId :

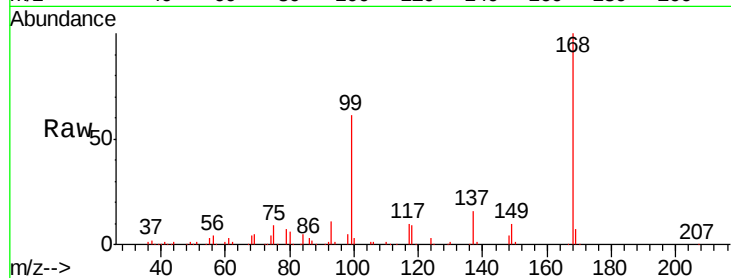
S49-EB-2018-1

Tgt Ion:168 Resp: 246139

Ion Ratio Lower Upper

168 100

99 61.0 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028385.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028385.D (-1092) (-)

4.98

120000

100000

80000

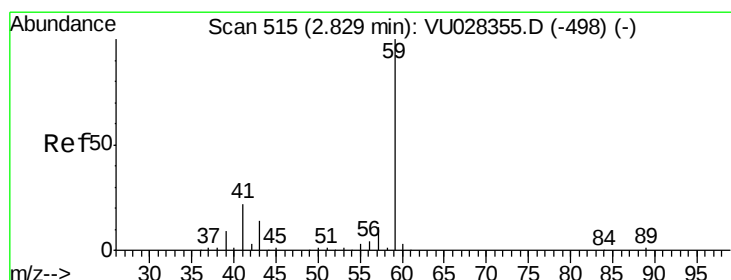
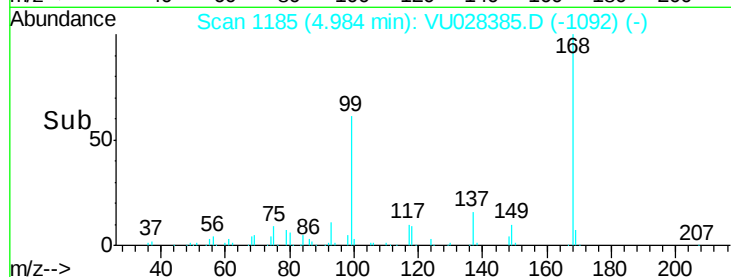
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 28.432 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028385.D

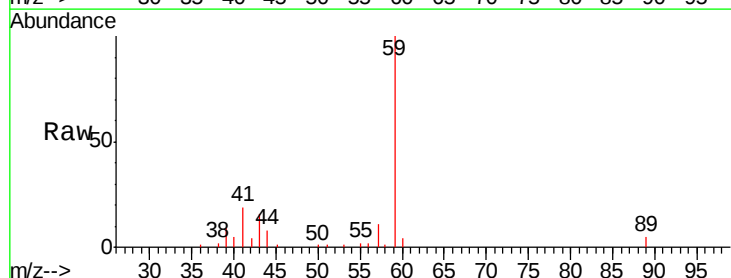
Acq: 29 Nov 2018 11:55

Tgt Ion: 59 Resp: 26571

Ion Ratio Lower Upper

59 100

57 9.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VU028385.D (-422) (-)

Ion 57.00 (56.70 to 57.70): VU028385.D (-422) (-)

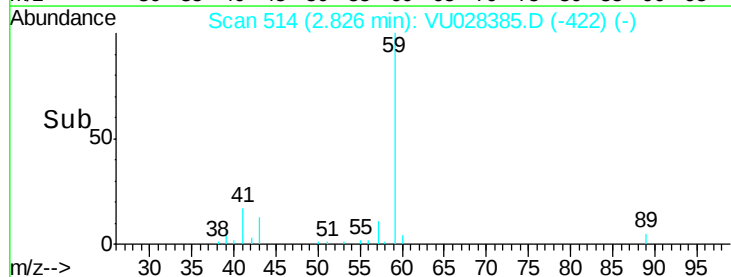
2.83

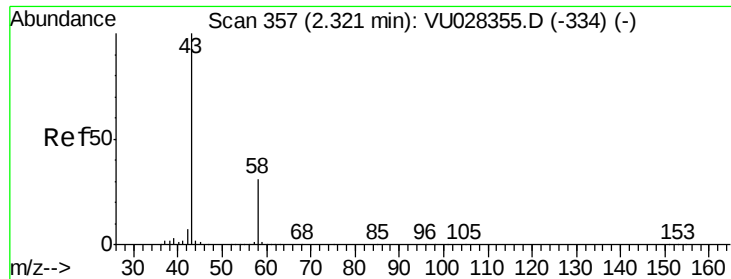
10000

5000

0

Time-->





#16

Acetone

Concen: 12.442 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Instrument :

MSVOA\_U

ClientSampleId :

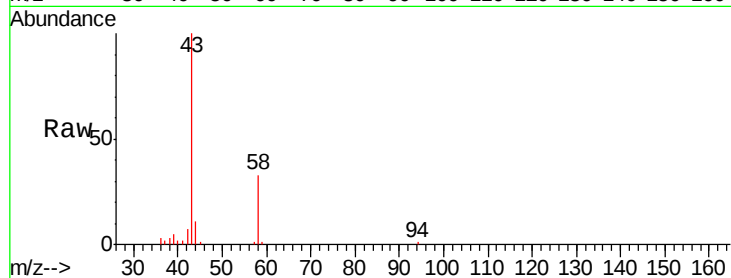
S49-EB-2018-1

Tgt Ion: 43 Resp: 31308

Ion Ratio Lower Upper

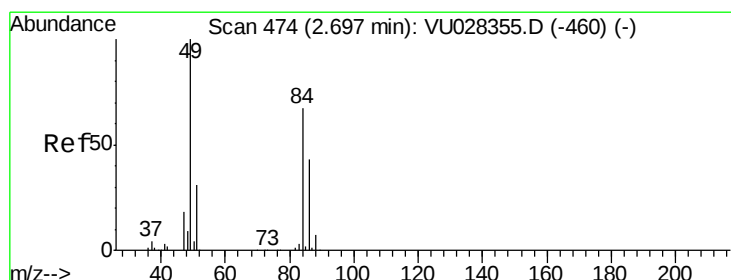
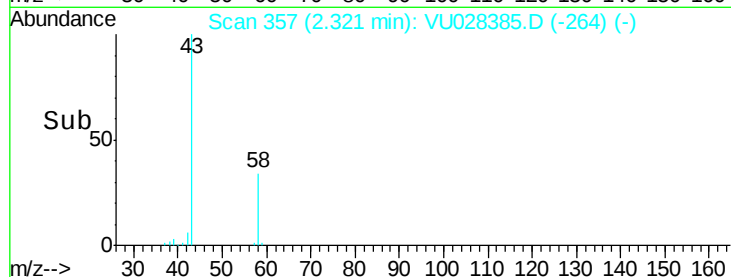
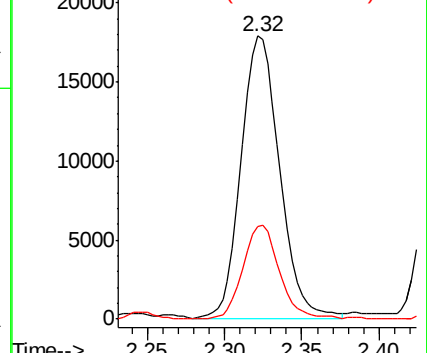
43 100

58 32.9 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: 12.969 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Tgt Ion: 84 Resp: 46226

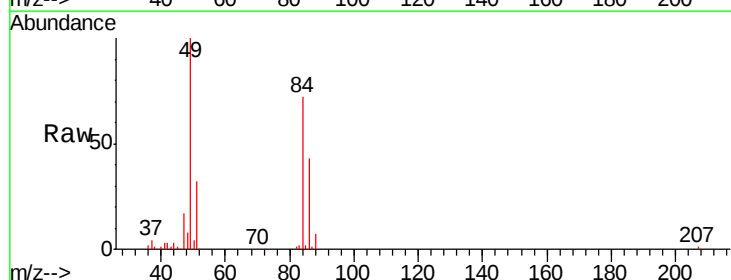
Ion Ratio Lower Upper

84 100

49 139.5 120.0 180.0

51 44.0 36.9 55.3

86 59.8 51.1 76.7

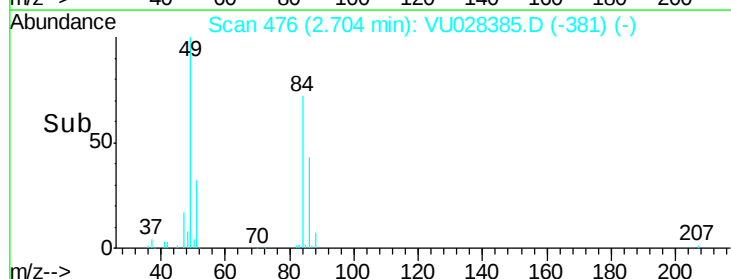
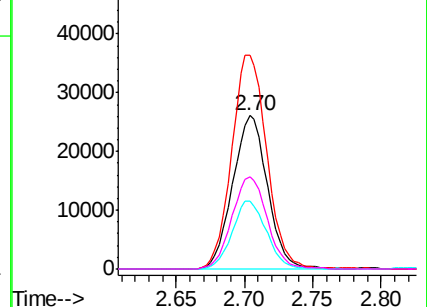


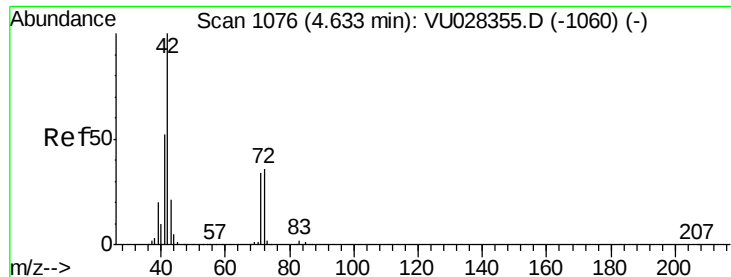
Abundance Ion 83.90 (83.60 to 84.60): VU0

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

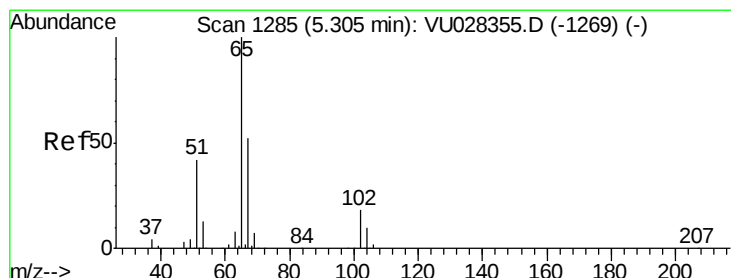
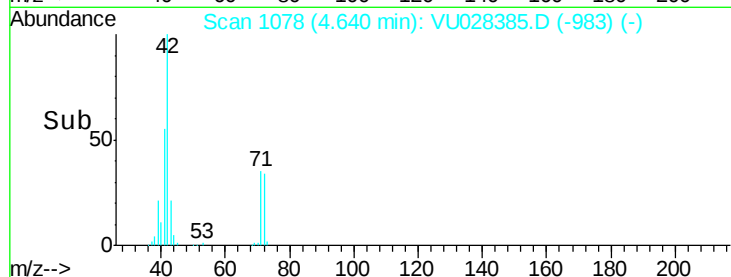
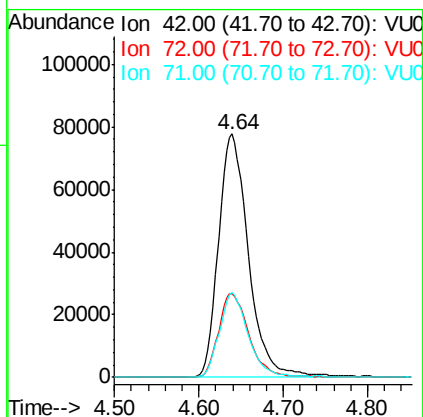
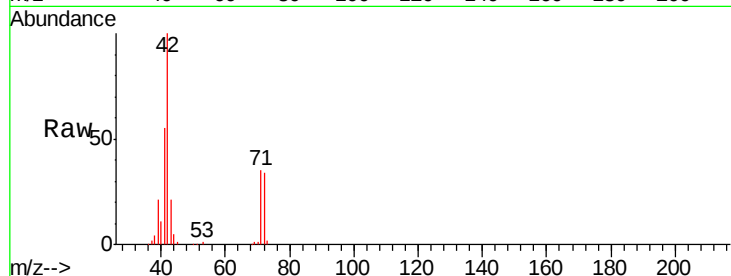




#29  
Tetrahydrofuran  
Concen: 82.212 ug/l  
RT: 4.64 min Scan# 1078  
Delta R.T. 0.01 min  
Lab File: VU028385.D  
Acq: 29 Nov 2018 11:55

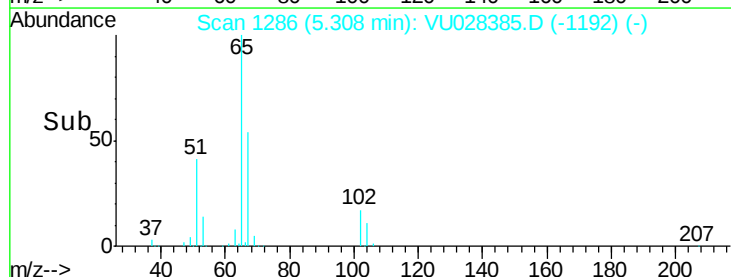
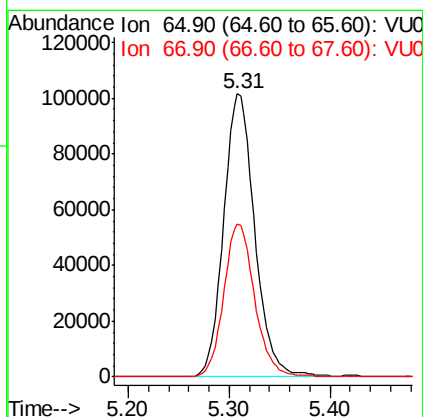
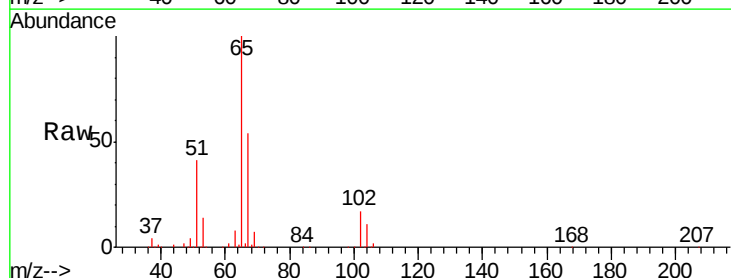
Instrument :  
MSVOA\_U  
ClientSampleId :  
S49-EB-2018-1

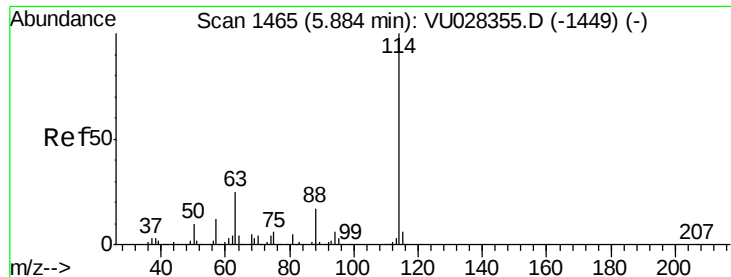
Tgt Ion: 42 Resp: 192501  
Ion Ratio Lower Upper  
42 100  
72 35.1 29.5 44.3  
71 33.6 27.7 41.5



#33  
1,2-Dichloroethane-d4  
Concen: 53.178 ug/l  
RT: 5.31 min Scan# 1286  
Delta R.T. 0.00 min  
Lab File: VU028385.D  
Acq: 29 Nov 2018 11:55

Tgt Ion: 65 Resp: 218753  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Instrument :

MSVOA\_U

ClientSampleId :

S49-EB-2018-1

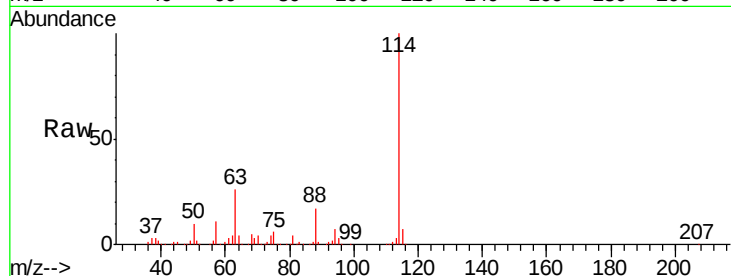
Tgt Ion:114 Resp: 462629

Ion Ratio Lower Upper

114 100

63 26.2 0.0 50.0

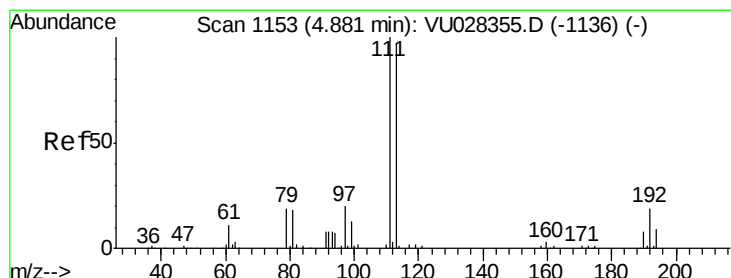
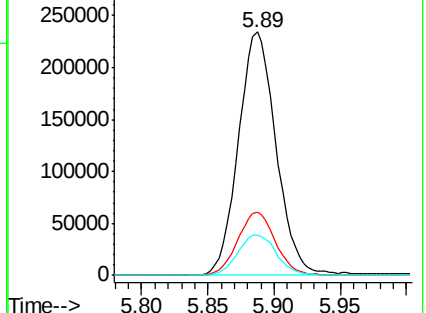
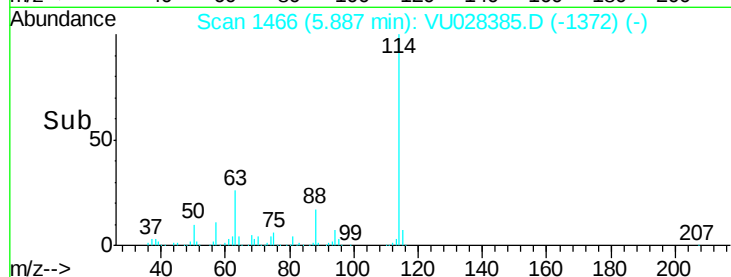
88 16.6 0.0 34.4



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: 51.062 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

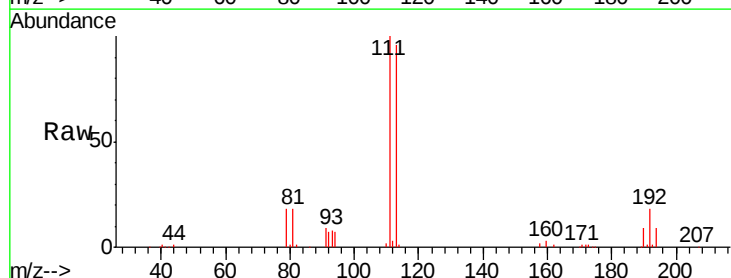
Tgt Ion:113 Resp: 157082

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

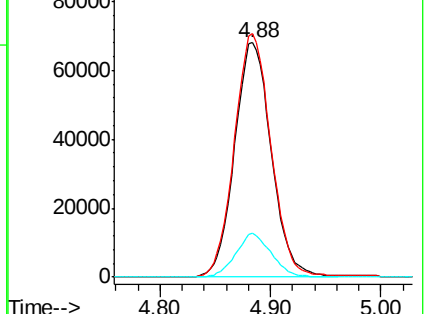
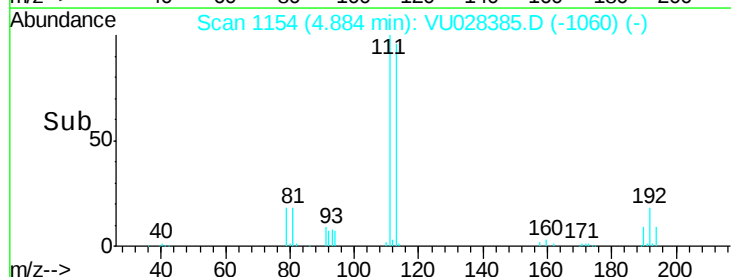
192 18.0 15.4 23.0

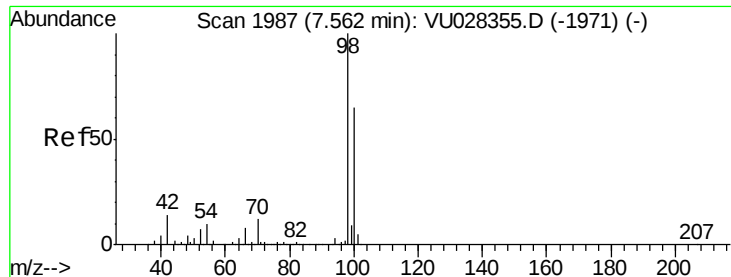


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.169 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

Instrument :

MSVOA\_U

ClientSampleId :

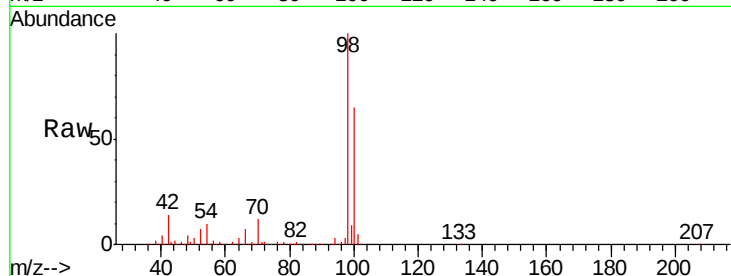
S49-EB-2018-1

Tgt Ion: 98 Resp: 617234

Ion Ratio Lower Upper

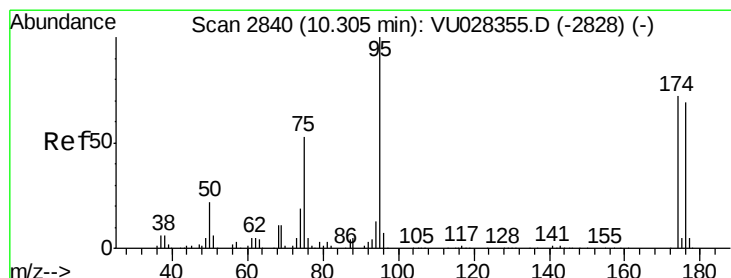
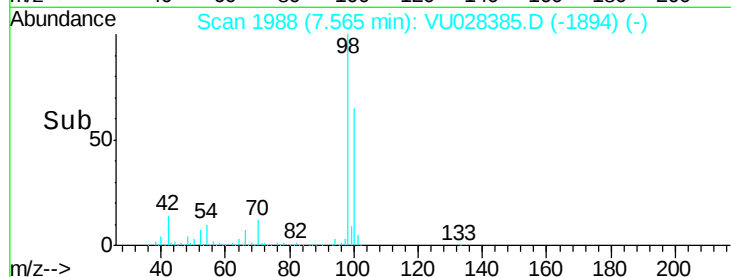
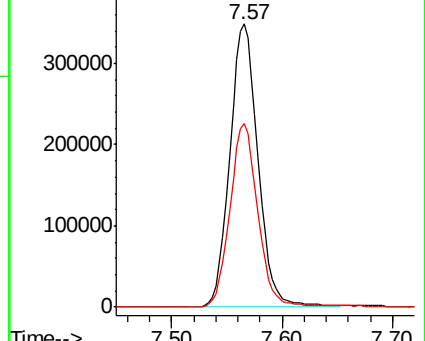
98 100

100 63.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU028385.D (-1971) (-)

Ion 100.00 (99.70 to 100.70): VU028385.D (-1971) (-)



#62

4-Bromofluorobenzene

Concen: 50.164 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028385.D

Acq: 29 Nov 2018 11:55

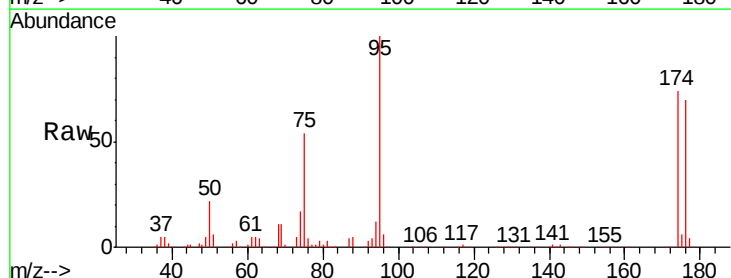
Tgt Ion: 95 Resp: 222447

Ion Ratio Lower Upper

95 100

174 73.8 0.0 145.4

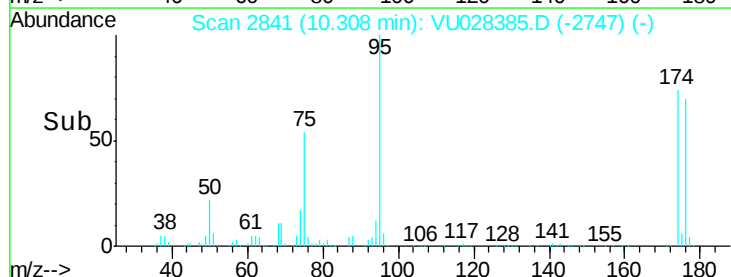
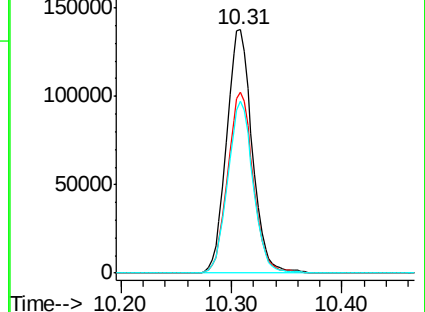
176 69.6 0.0 140.8

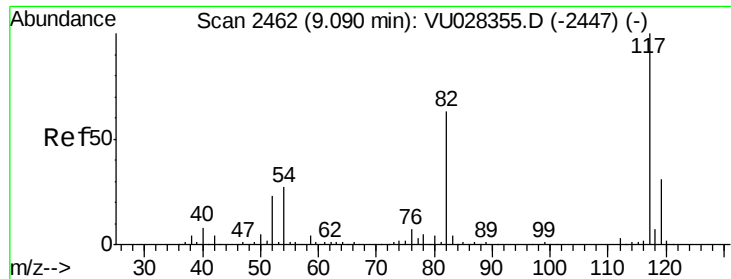


Abundance Ion 94.90 (94.60 to 95.60): VU028385.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028385.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028385.D (-2747) (-)

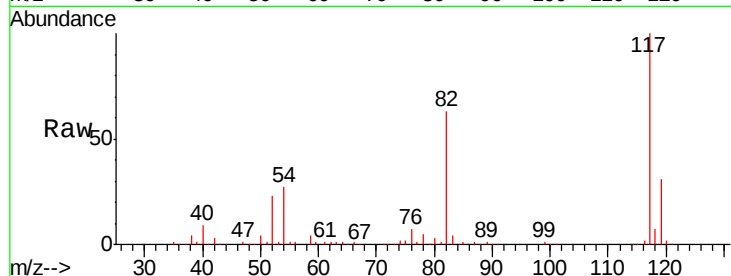




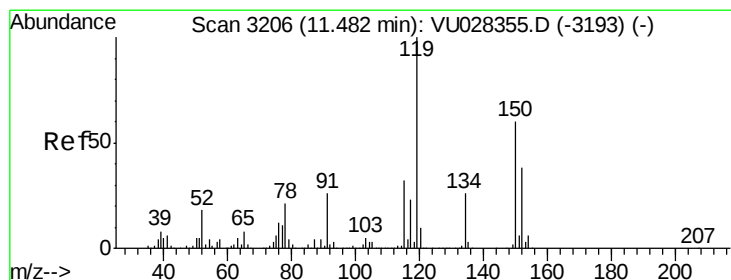
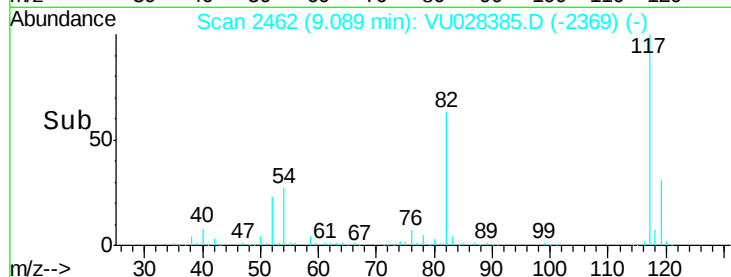
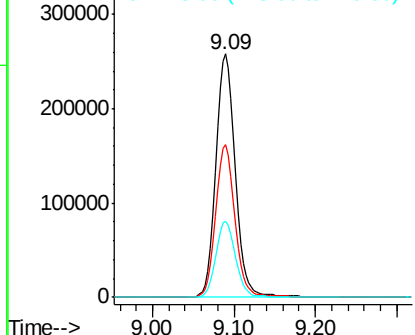
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028385.D  
Acq: 29 Nov 2018 11:55

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

Tgt Ion:117 Resp: 438135  
Ion Ratio Lower Upper  
117 100  
82 62.6 50.3 75.5  
119 31.4 24.8 37.2

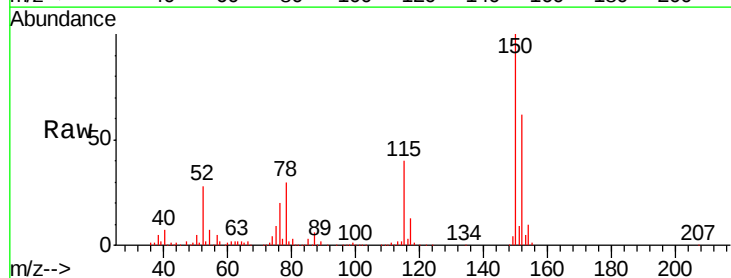


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU028385.D (-2369) (-)  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. -0.00 min  
Lab File: VU028385.D  
Acq: 29 Nov 2018 11:55

Tgt Ion:152 Resp: 194818  
Ion Ratio Lower Upper  
152 100  
115 62.7 45.0 134.8  
150 157.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): VU028385.D (-3113) (-)  
Ion 149.90 (149.60 to 150.60): V

