

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\  
 Data File : VU029205.D  
 Acq On : 16 Jan 2019 13:29  
 Operator : JC/SP  
 Sample : K1147-21  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-7

Quant Time: Jan 17 00:58:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 12 01:33:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 108088   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 190404   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 185059   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 74555    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 75350    | 56.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.78% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 66651    | 54.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.00% |          |
| 50) Toluene-d8              | 7.56  | 98   | 255210   | 52.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.76% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 78953    | 45.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.18%  |          |

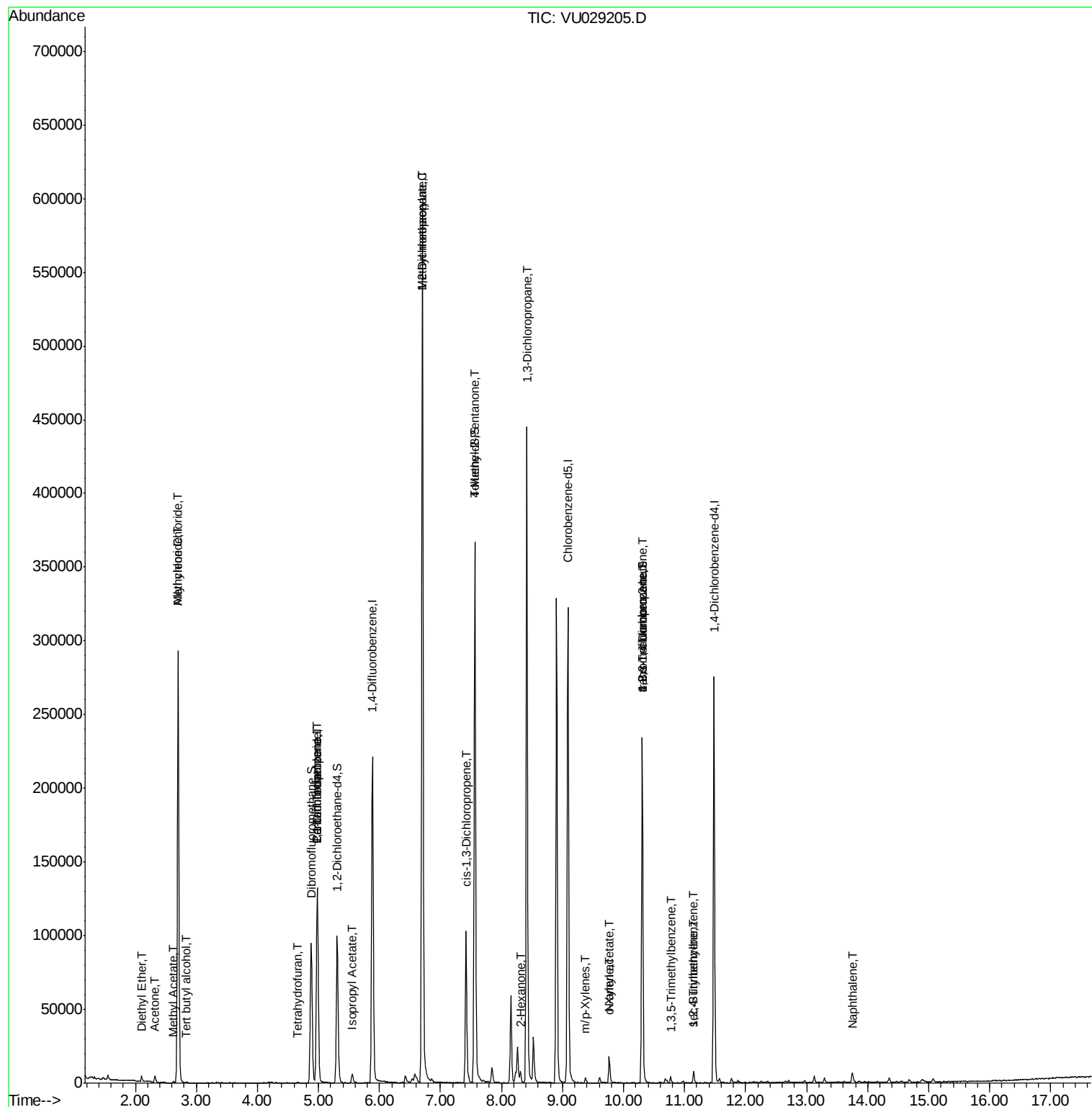
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 699      | Below Cal |        | 94     |
| 5) Bromomethane                | 1.65  | 94   | 40       | Below Cal | #      | 2      |
| 8) Diethyl Ether               | 2.10  | 74   | 979      | 1.184     | ug/l   | 68     |
| 11) Tert butyl alcohol         | 2.83  | 59   | 371      | 1.092     | ug/l # | 73     |
| 14) Allyl chloride             | 2.70  | 41   | 4628     | 2.250     | ug/l # | 29     |
| 16) Acetone                    | 2.32  | 43   | 4988     | 5.926     | ug/l   | 99     |
| 17) Carbon Disulfide           | 2.48  | 76   | 76       | Below Cal | #      | 75     |
| 18) Methyl Acetate             | 2.62  | 43   | 1264     | 0.646     | ug/l # | 75     |
| 20) Methylene Chloride         | 2.70  | 84   | 131266   | 91.850    | ug/l   | 99     |
| 29) Tetrahydrofuran            | 4.66  | 42   | 459      | 0.666     | ug/l # | 30     |
| 31) Cyclohexane                | 4.98  | 56   | 1954     | Below Cal | #      | 1      |
| 36) 1,1-Dichloropropene        | 4.98  | 75   | 7793     | 4.095     | ug/l # | 46     |
| 38) Carbon Tetrachloride       | 4.98  | 117  | 9565     | 6.026     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 5.55  | 43   | 7473     | 2.332     | ug/l   | 94     |
| 45) 1,2-Dichloropropane        | 6.70  | 63   | 619      | 0.395     | ug/l # | 43     |
| 48) Methyl methacrylate        | 6.70  | 41   | 49966    | 32.021    | ug/l # | 36     |
| 51) 4-Methyl-2-Pentanone       | 7.56  | 43   | 4005     | 1.836     | ug/l   | 92     |
| 54) cis-1,3-Dichloropropene    | 7.42  | 75   | 18805    | 7.851     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 8.41  | 76   | 4467     | 1.803     | ug/l # | 42     |
| 59) 2-Hexanone                 | 8.31  | 43   | 5649     | 3.300     | ug/l # | 21     |
| 68) m/p-Xylenes                | 9.38  | 106  | 1262     | 0.469     | ug/l   | 96     |
| 69) o-Xylene                   | 9.78  | 106  | 529      | 0.204     | ug/l   | 90     |
| 74) N-ethyl acetate            | 9.76  | 43   | 5645     | 2.374     | ug/l # | 46     |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75   | 37066    | 20.291    | ug/l # | 36     |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 2603     | 0.565     | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75   | 37066    | 52.332    | ug/l # | 100    |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 4752     | 1.033     | ug/l   | 98     |
| 85) sec-Butylbenzene           | 11.15 | 105  | 4752     | 0.865     | ug/l # | 57     |
| 95) Naphthalene                | 13.75 | 128  | 8122     | 1.408     | ug/l # | 96     |

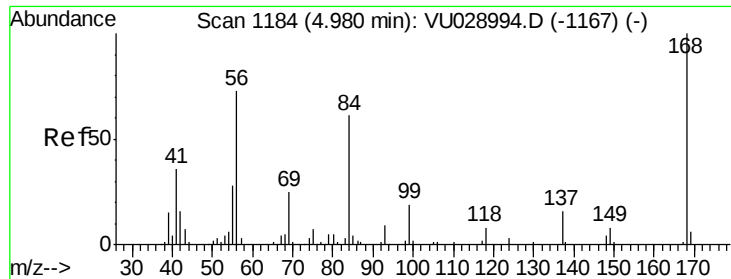
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011619\  
Data File : VU029205.D  
Acq On : 16 Jan 2019 13:29  
Operator : JC/SP  
Sample : K1147-21  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Quant Time: Jan 17 00:58:43 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 12 01:33:59 2019  
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: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampled :

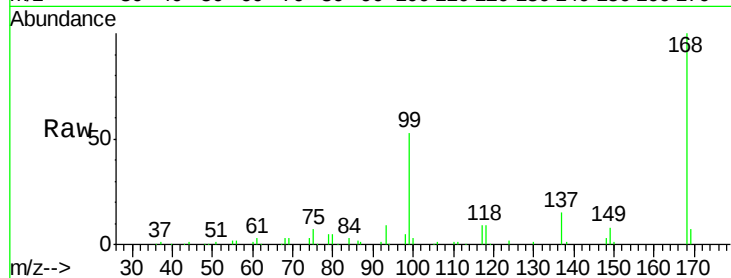
TP-7

Tot Ion:168 Resp: 108088

Ion Ratio Lower Upper

168 100

99 52.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

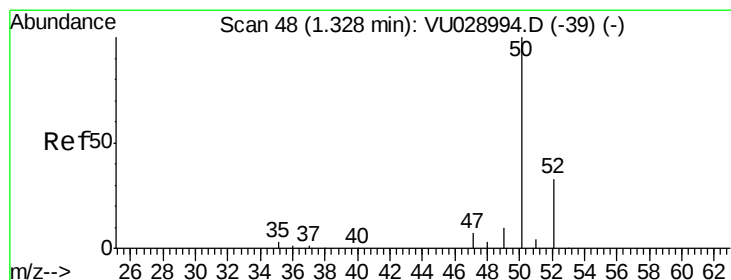
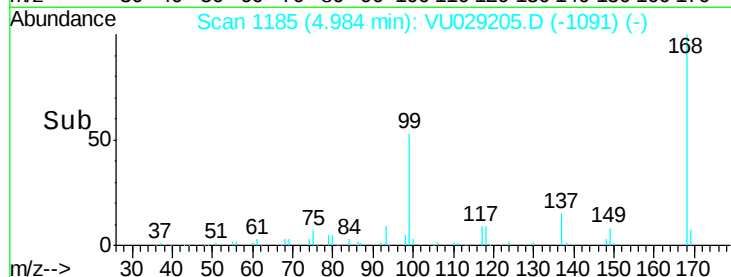
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029205.D

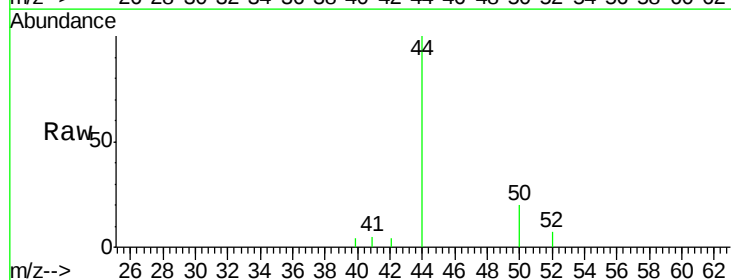
Acq: 16 Jan 2019 13:29

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

50 100

52 36.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

600

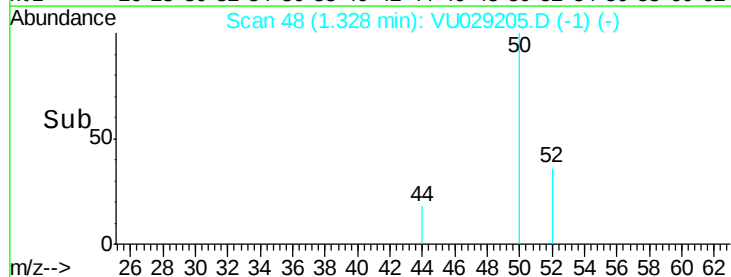
400

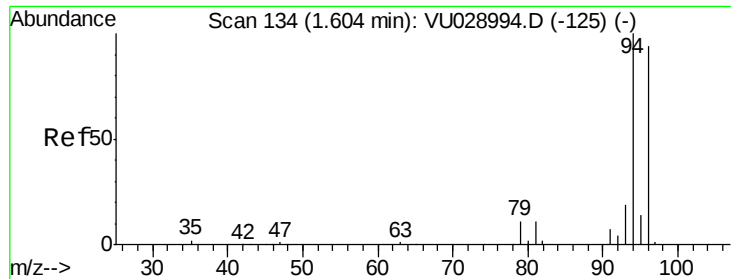
200

0

1.30 1.32 1.34 1.36

Time-->

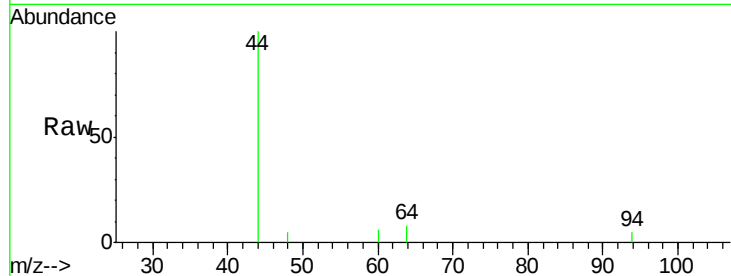




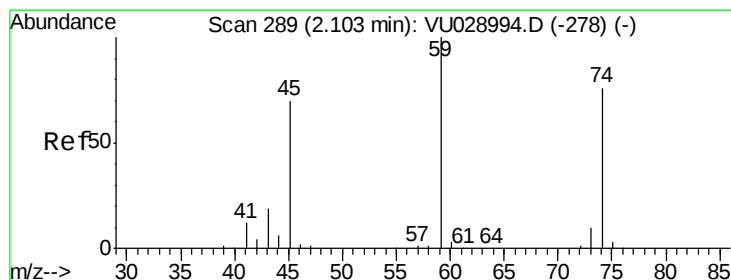
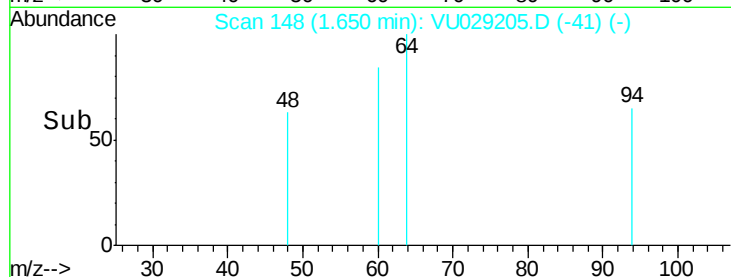
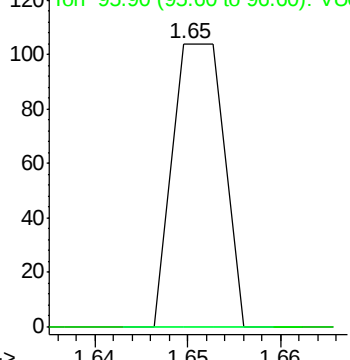
#5  
Bromomethane  
Concen: Below Cal  
RT: 1.65 min Scan# 148  
Delta R.T. 0.05 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Tot Ion: 94 Resp: 40  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.5 113.3#

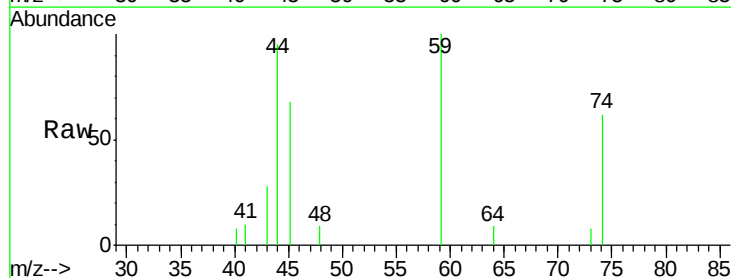


Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

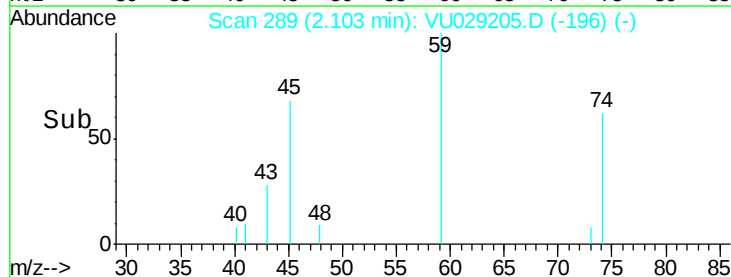
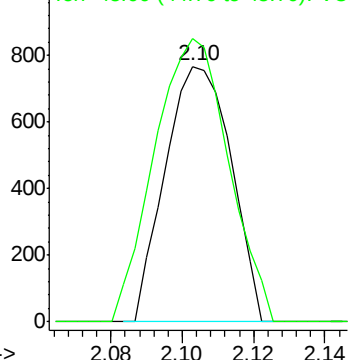


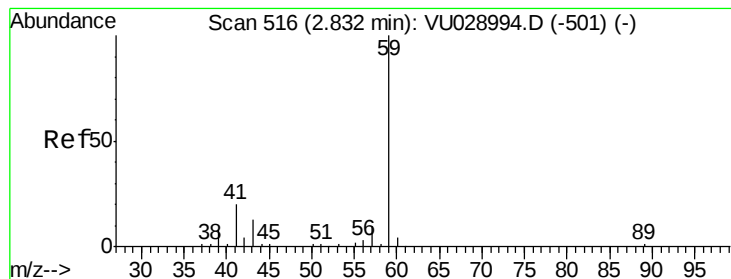
#8  
Diethyl Ether  
Concen: 1.184 ug/l  
RT: 2.10 min Scan# 289  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Tgt Ion: 74 Resp: 979  
Ion Ratio Lower Upper  
74 100  
45 124.7 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU028994.D (-278) (-)



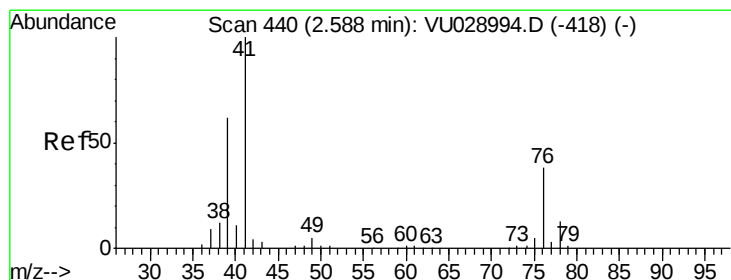
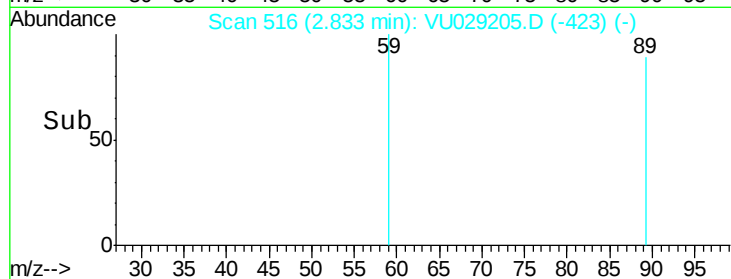
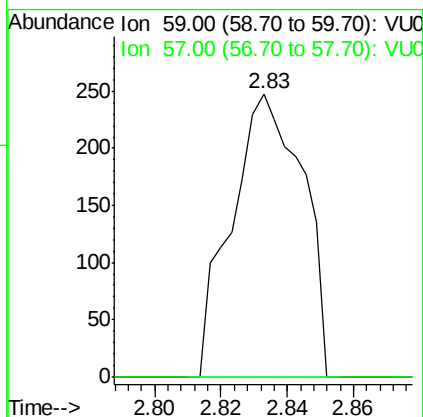
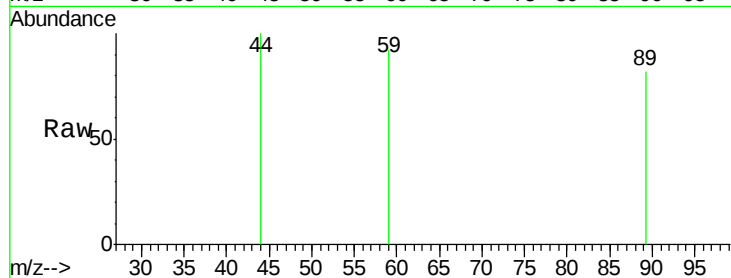


#11

Tert butyl alcohol  
 Concen: 1.092 ug/l  
 RT: 2.83 min Scan# 516  
 Delta R.T. 0.00 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 TP-7

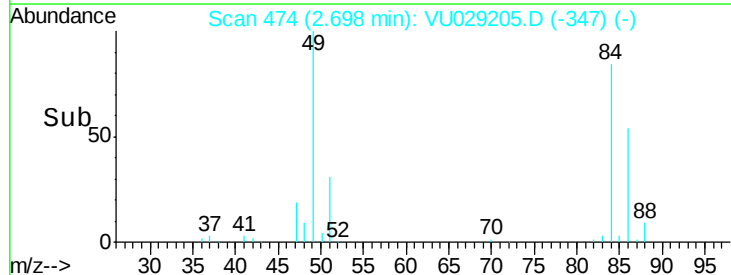
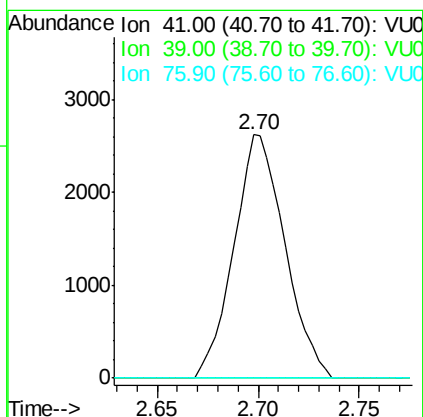
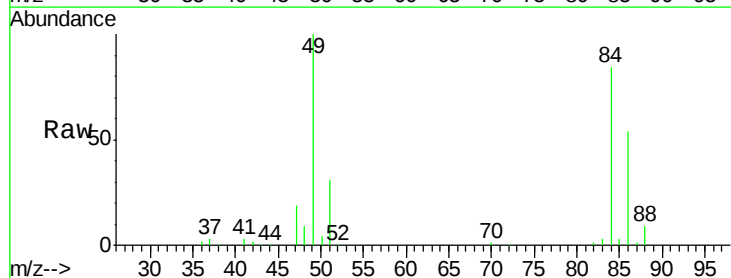
Tot Ion: 59 Resp: 371  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.9 11.9#

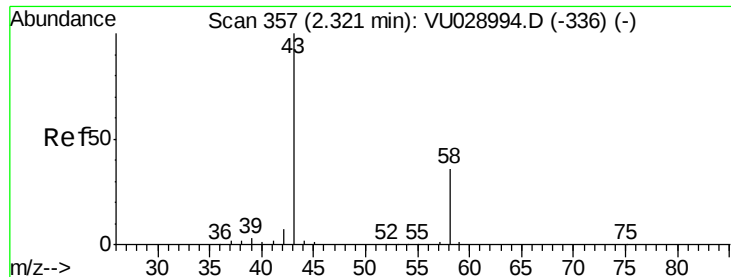


#14

Allyl chloride  
 Concen: 2.250 ug/l  
 RT: 2.70 min Scan# 474  
 Delta R.T. 0.11 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

Tgt Ion: 41 Resp: 4628  
 Ion Ratio Lower Upper  
 41 100  
 39 0.0 45.0 67.6#  
 76 0.0 28.1 42.1#





#16

Acetone

Concen: 5.926 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

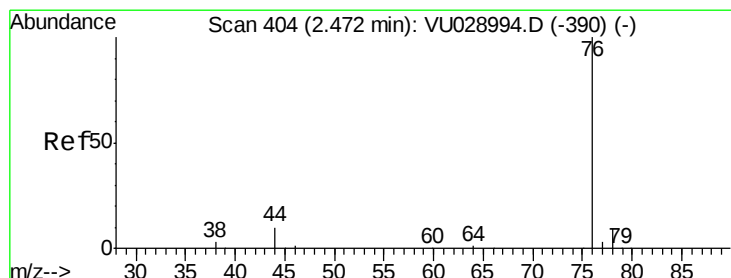
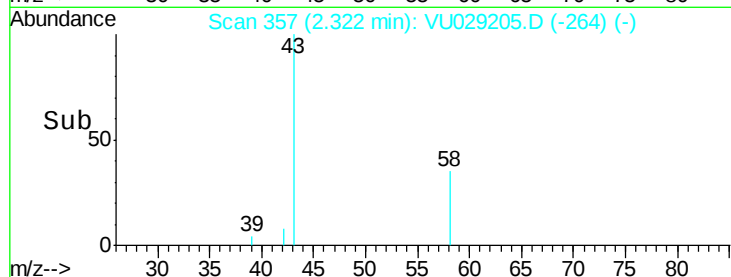
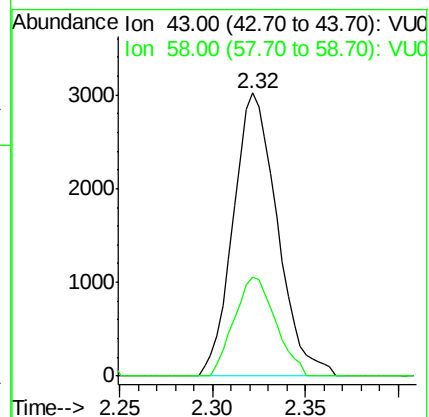
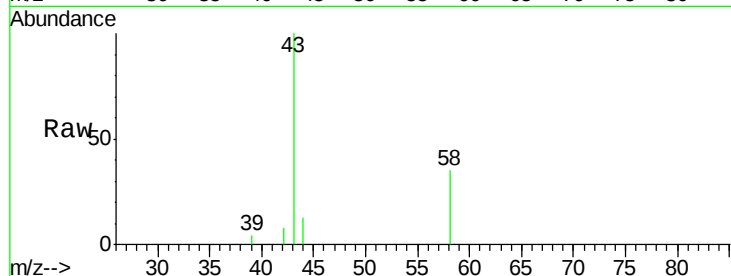
TP-7

Tot Ion: 43 Resp: 4988

Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029205.D

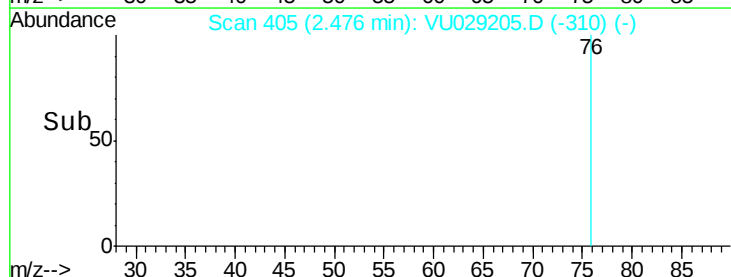
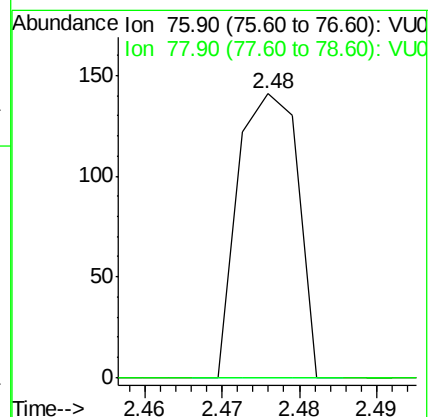
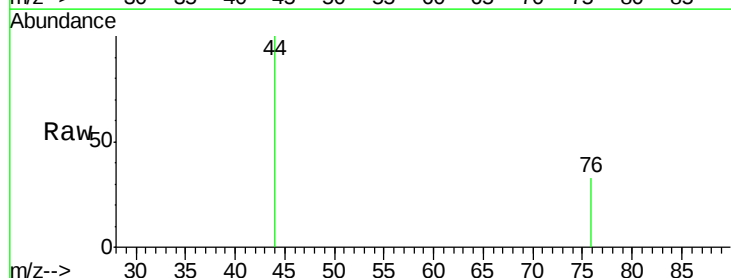
Acq: 16 Jan 2019 13:29

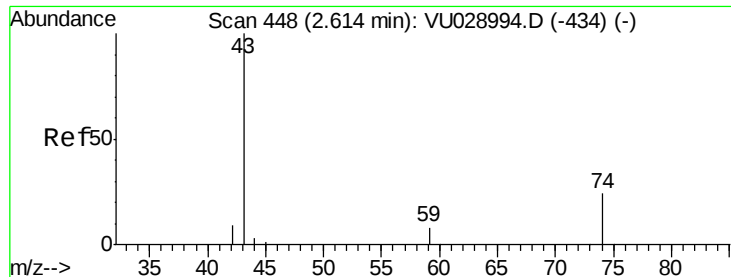
Tgt Ion: 76 Resp: 76

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

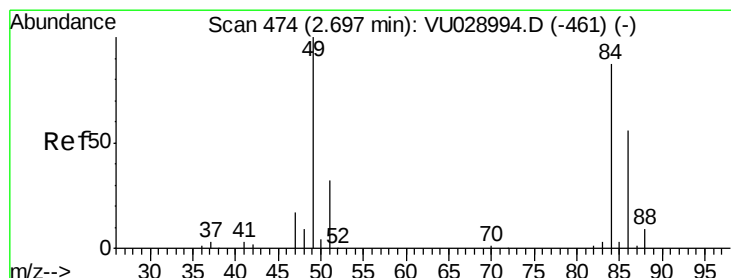
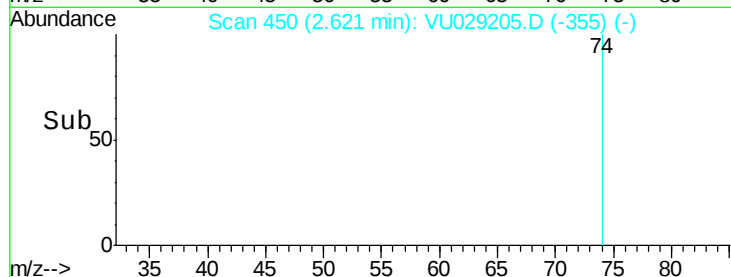
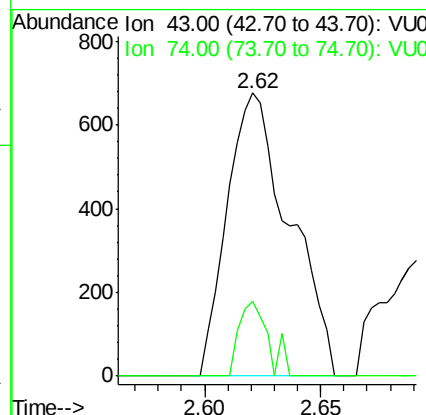
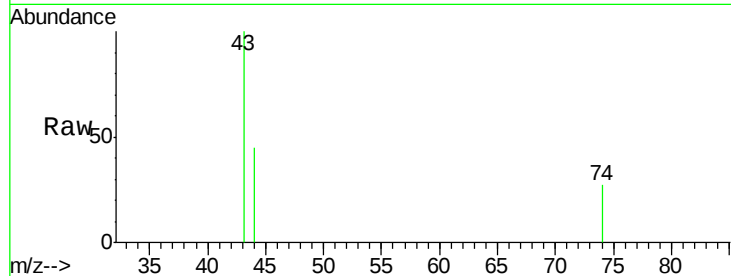




#18  
Methyl Acetate  
Concen: 0.646 ug/l  
RT: 2.62 min Scan# 450  
Delta R.T. 0.01 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

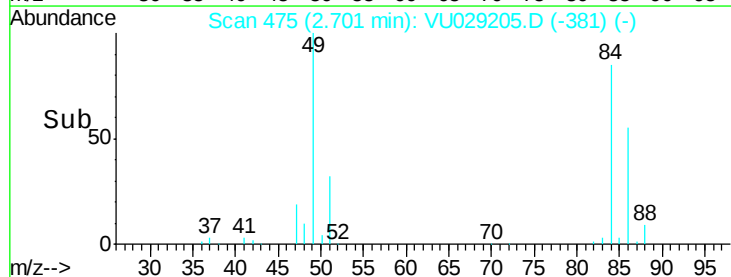
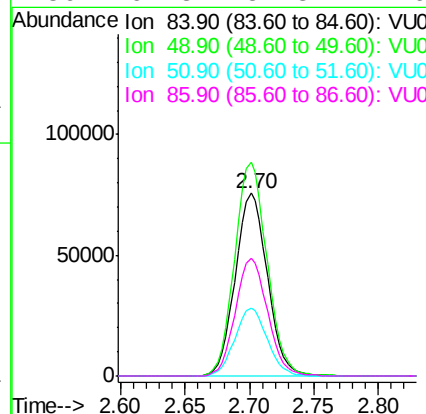
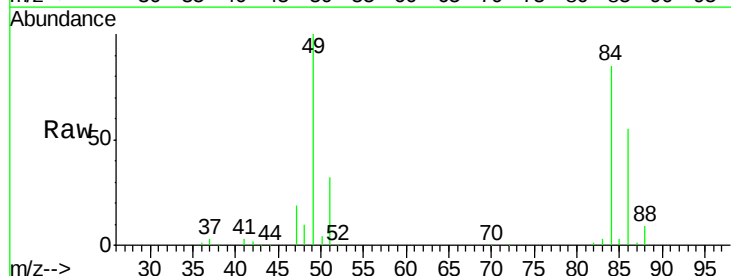
Instrument :  
MSVOA\_U  
ClientSampled :  
TP-7

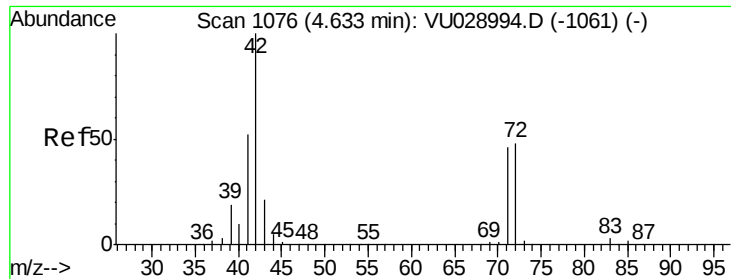
Tot Ion: 43 Resp: 1264  
Ion Ratio Lower Upper  
43 100  
74 12.2 19.5 29.3#



#20  
Methylene Chloride  
Concen: 91.850 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Tgt Ion: 84 Resp: 131266  
Ion Ratio Lower Upper  
84 100  
49 117.1 91.9 137.9  
51 37.0 29.2 43.8  
86 64.3 51.8 77.6





#29

Tetrahydrofuran

Concen: 0.666 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.03 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

TP-7

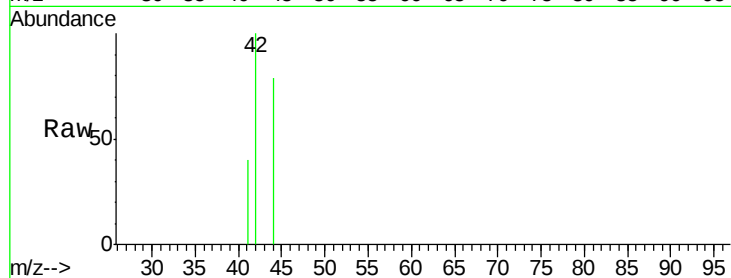
Tot Ion: 42 Resp: 459

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

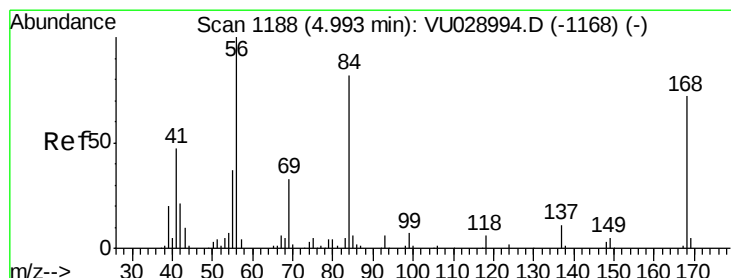
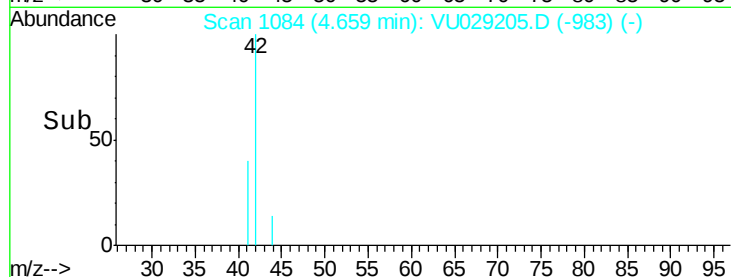
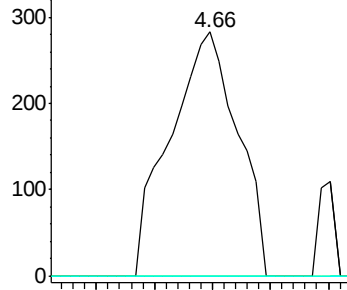
71 0.0 36.1 54.1#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

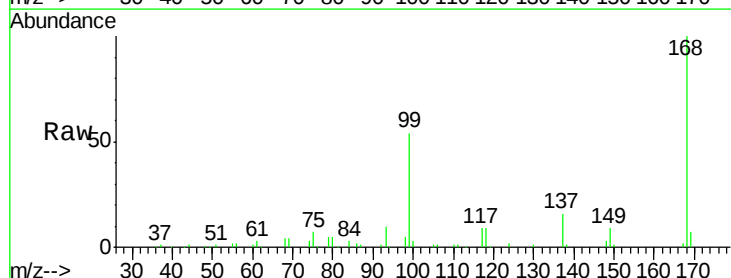
Tgt Ion: 56 Resp: 1954

Ion Ratio Lower Upper

56 100

69 172.1 26.7 40.1#

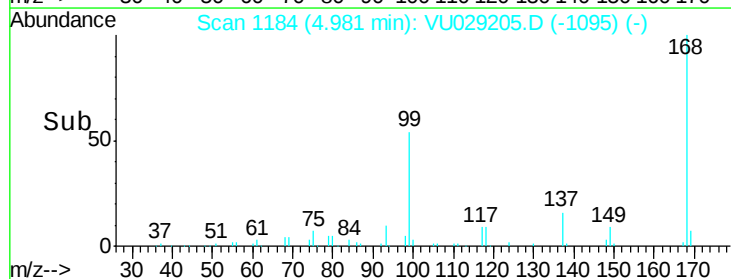
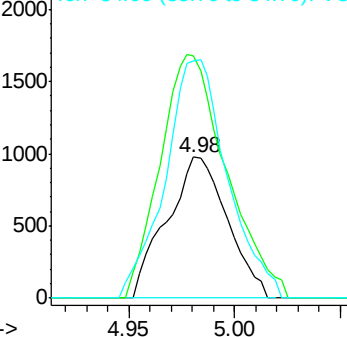
84 157.5 65.7 98.5#

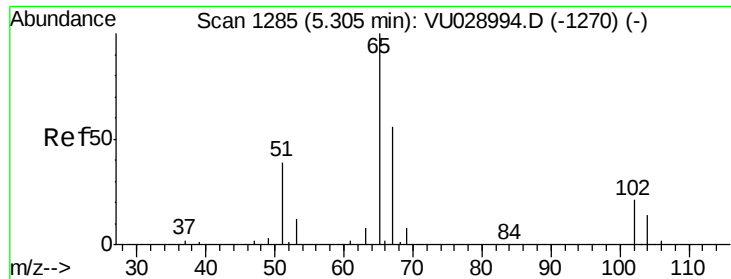


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

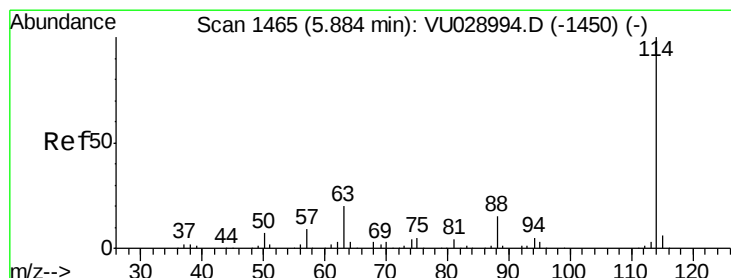
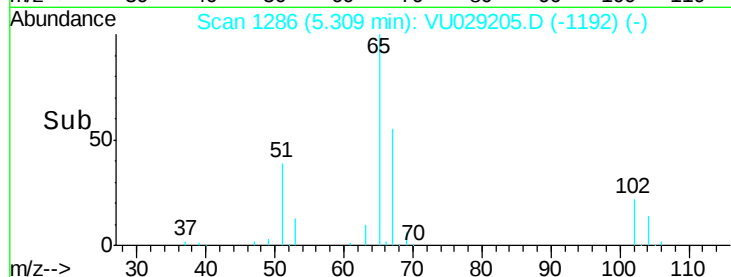
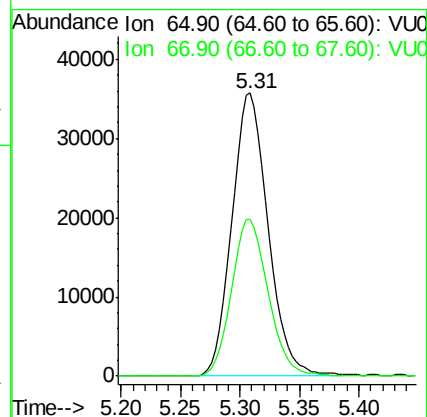
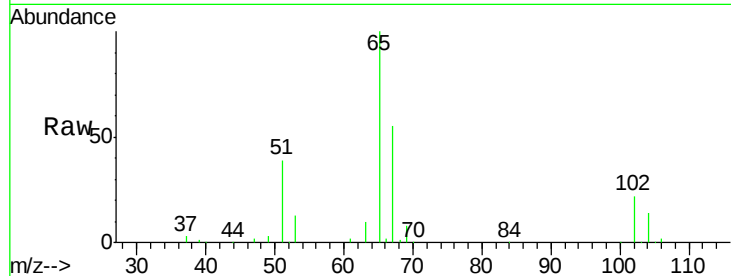




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.392 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

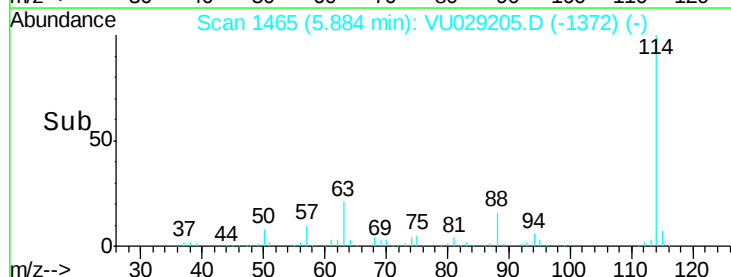
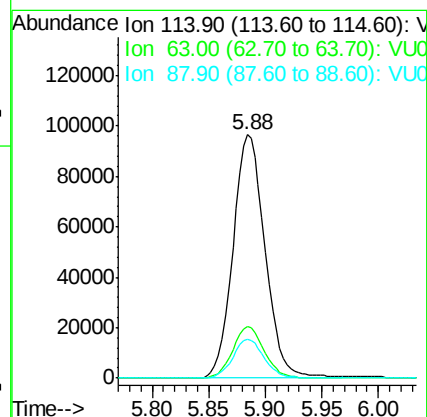
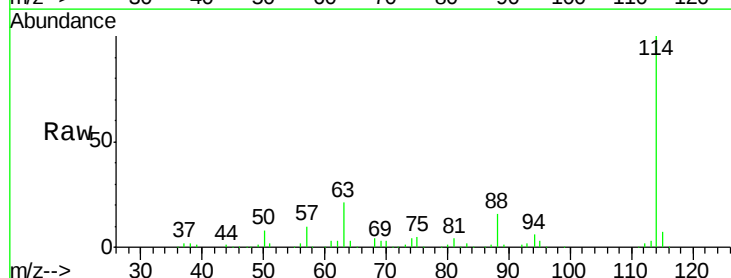
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-7

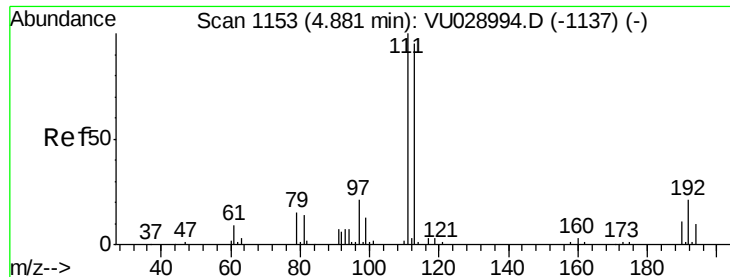
Tot Ion: 65 Resp: 75350  
 Ion Ratio Lower Upper  
 65 100  
 67 56.0 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

Tgt Ion: 114 Resp: 190404  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 40.2  
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.001 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

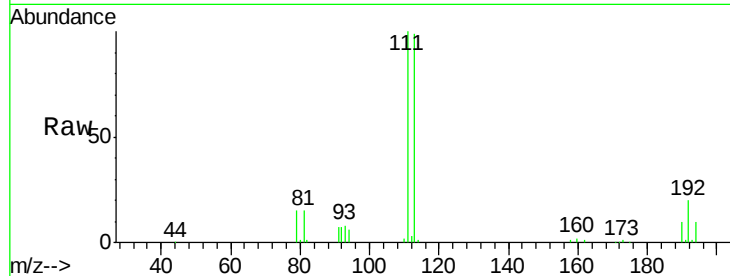
Tot Ion:113 Resp: 66651

Ion Ratio Lower Upper

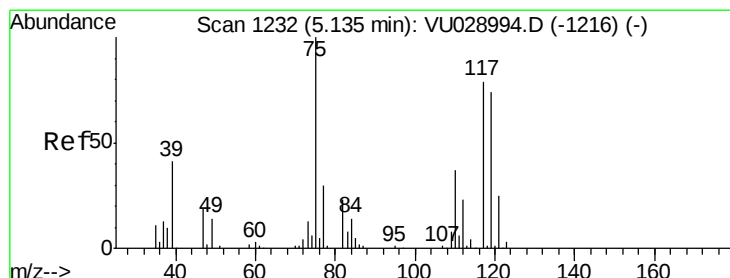
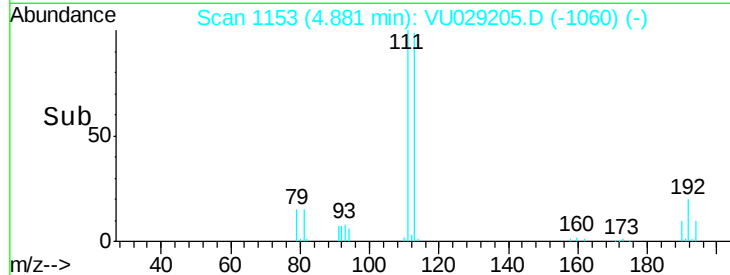
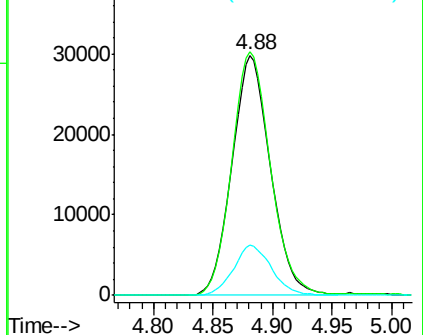
113 100

111 102.3 81.4 122.2

192 20.6 16.8 25.2



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



#36

1,1-Dichloropropene

Concen: 4.095 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

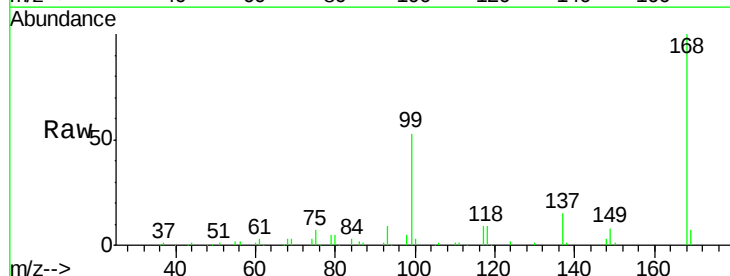
Tgt Ion: 75 Resp: 7793

Ion Ratio Lower Upper

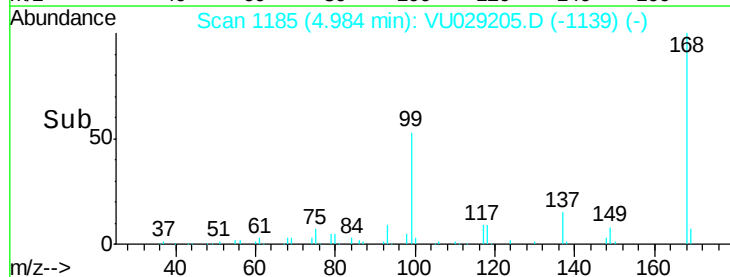
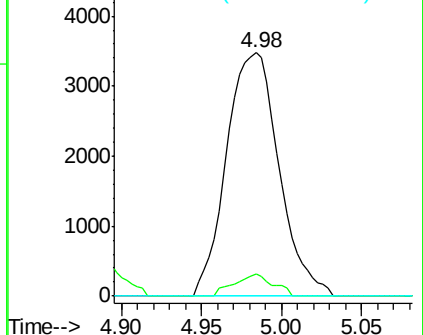
75 100

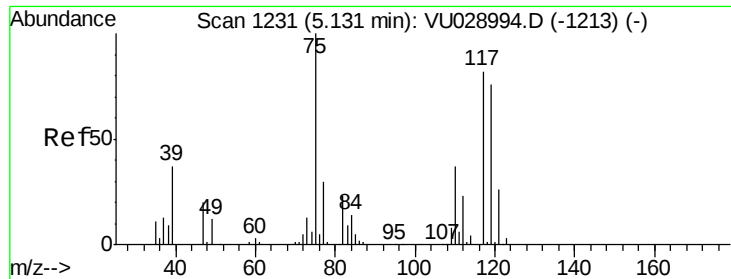
110 6.6 18.4 55.4#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VU0

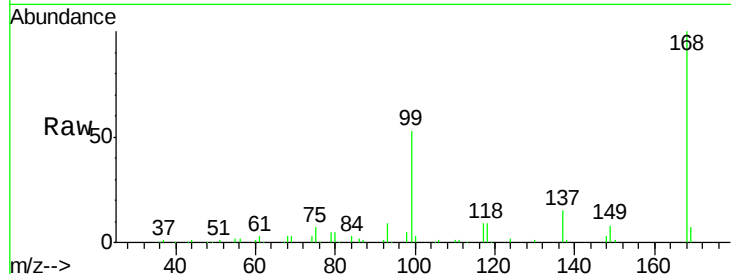




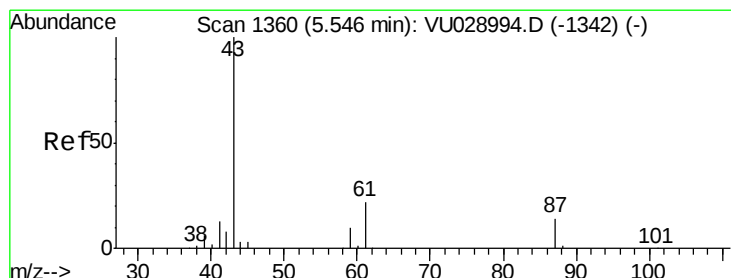
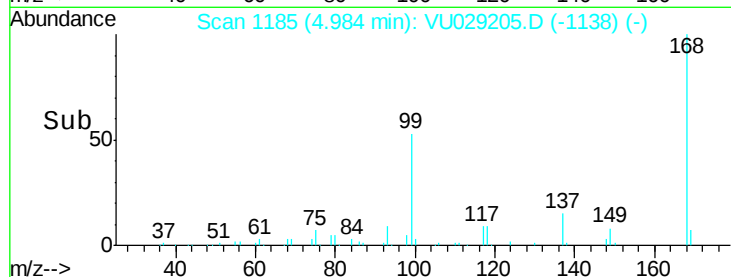
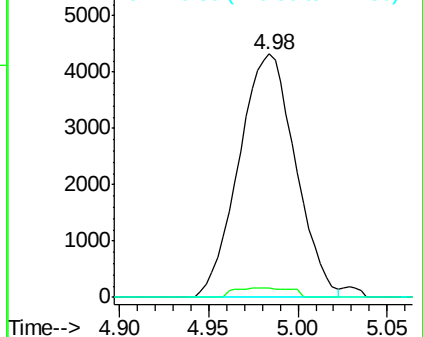
#38  
Carbon Tetrachloride  
Concen: 6.026 ug/l  
RT: 4.98 min Scan# 1185  
Delta R.T. -0.15 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Tot Ion:117 Resp: 9565  
Ion Ratio Lower Upper  
117 100  
119 3.6 74.6 111.8#  
121 0.0 25.0 37.6#

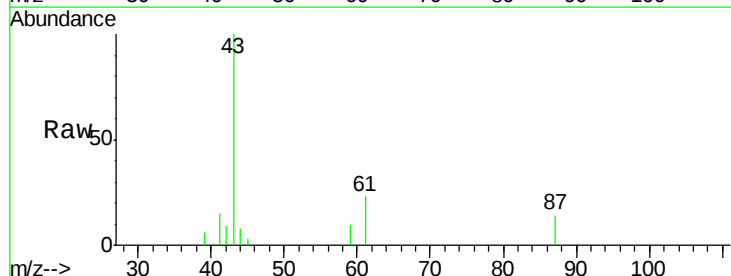


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

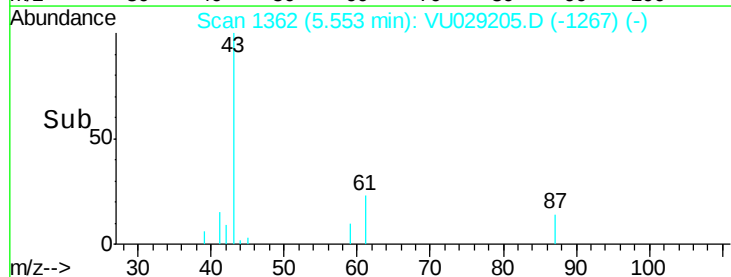
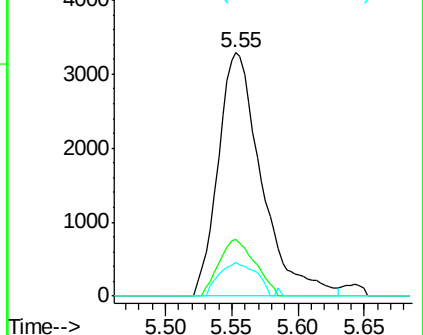


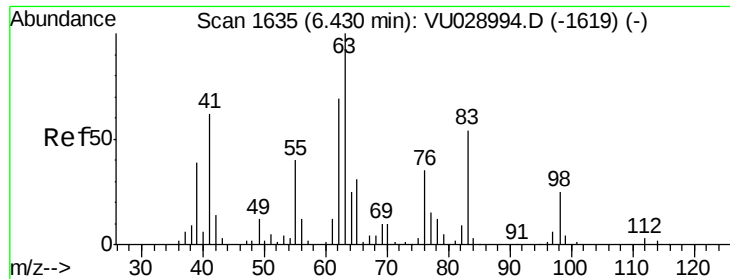
#43  
Isopropyl Acetate  
Concen: 2.332 ug/l  
RT: 5.55 min Scan# 1362  
Delta R.T. 0.01 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Tgt Ion: 43 Resp: 7473  
Ion Ratio Lower Upper  
43 100  
61 19.4 17.8 26.6  
87 11.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0





#45

1,2-Dichloropropane

Concen: 0.395 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampled :

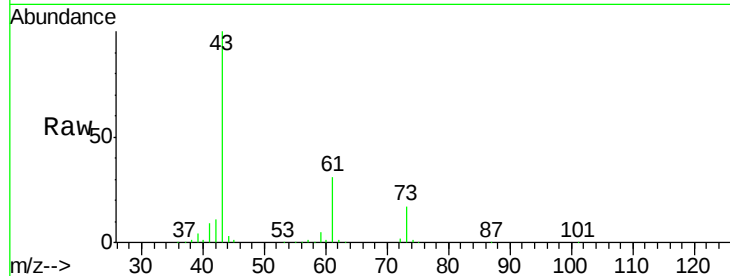
TP-7

Tot Ion: 63 Resp: 619

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.70

400

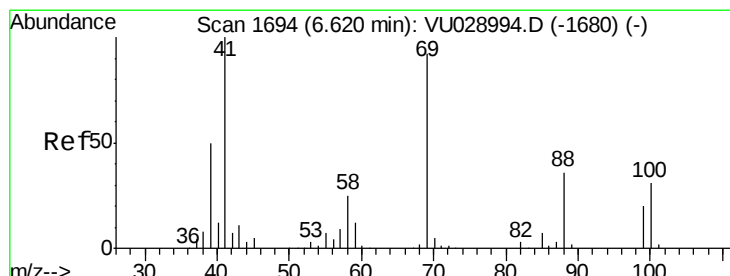
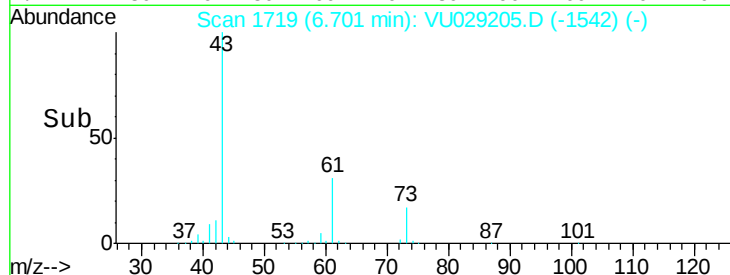
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 32.021 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

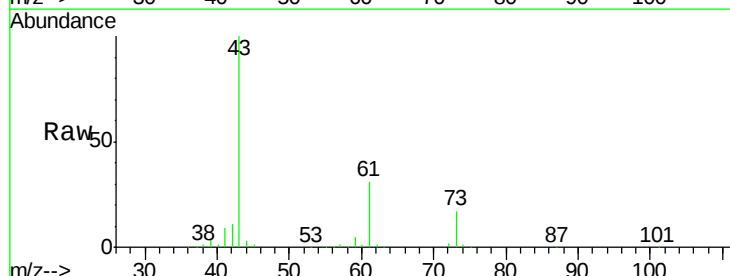
Tgt Ion: 41 Resp: 49966

Ion Ratio Lower Upper

41 100

69 0.0 73.6 110.4#

39 47.0 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

6.70

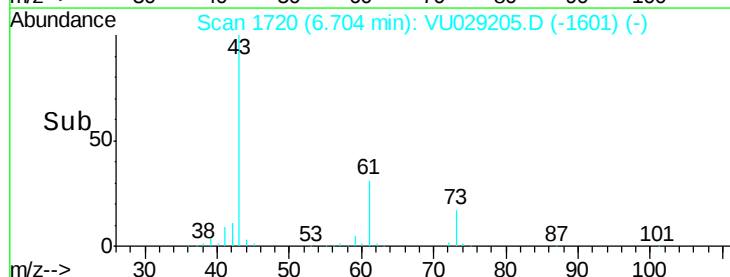
30000

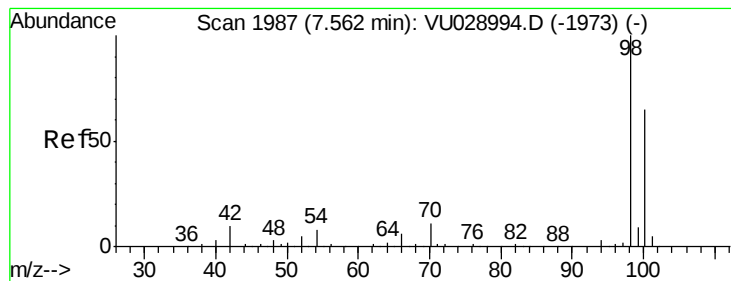
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 52.376 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

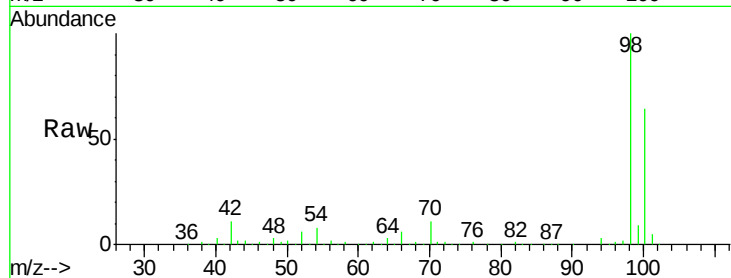
TP-7

Tot Ion: 98 Resp: 255210

Ion Ratio Lower Upper

98 100

100 62.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

7.56

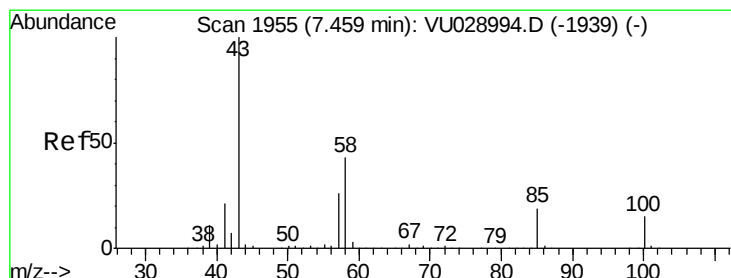
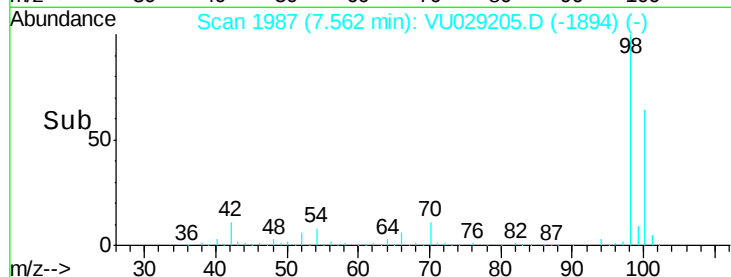
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.836 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU029205.D

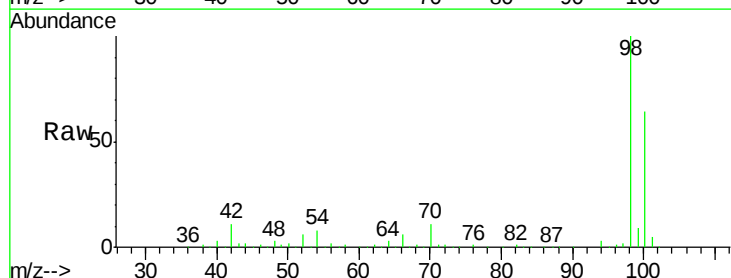
Acq: 16 Jan 2019 13:29

Tgt Ion: 43 Resp: 4005

Ion Ratio Lower Upper

43 100

58 47.2 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)

7.56

2500

2000

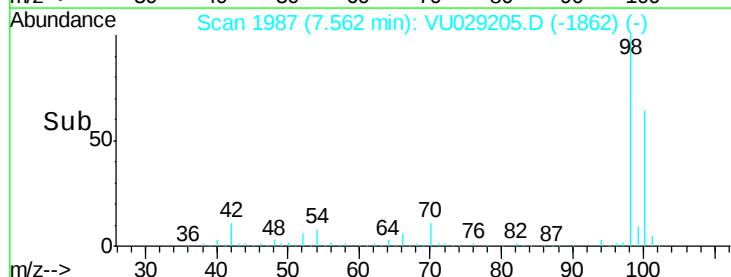
1500

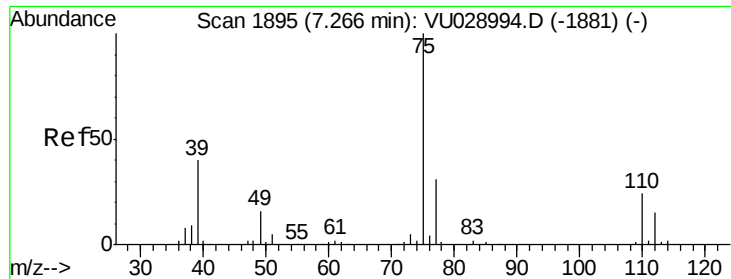
1000

500

0

Time-->



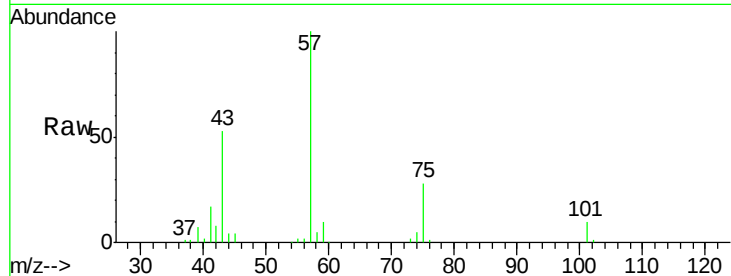


#54

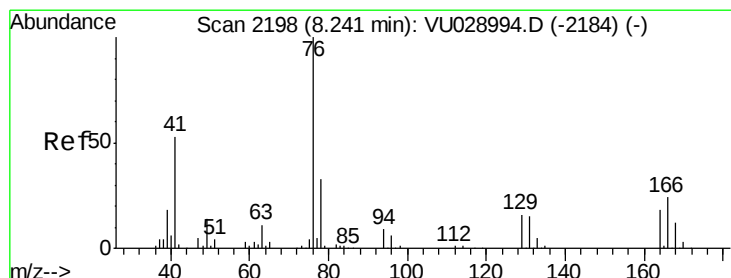
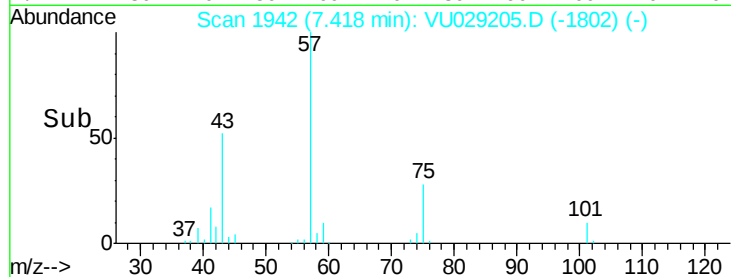
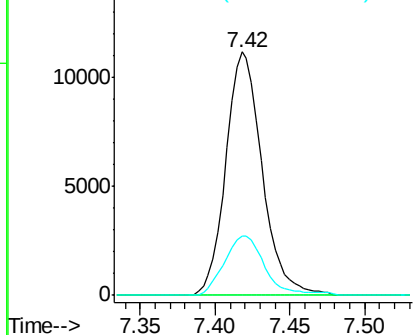
cis-1,3-Dichloropropene  
 Concen: 7.851 ug/l  
 RT: 7.42 min Scan# 1942  
 Delta R.T. 0.15 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-7

| Tot Ion   | 75    | Resp  | 18805 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 25.0  | 37.6# |
| 39        | 24.6  | 32.2  | 48.4# |



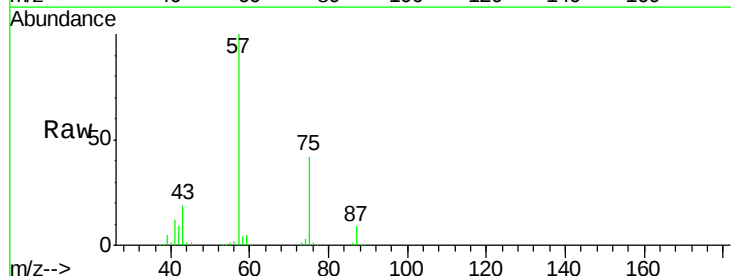
Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 76.90 (76.60 to 77.60): VU0  
 Ion 39.00 (38.70 to 39.70): VU0



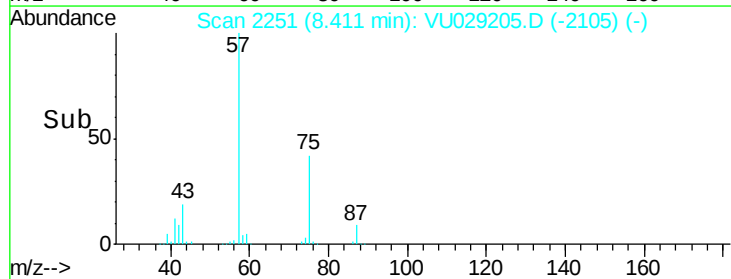
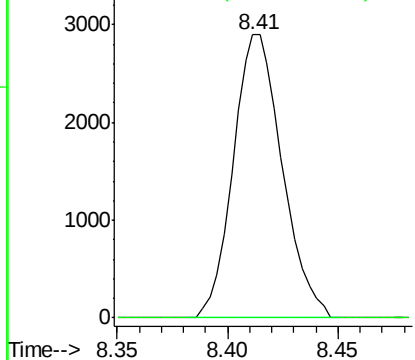
#57

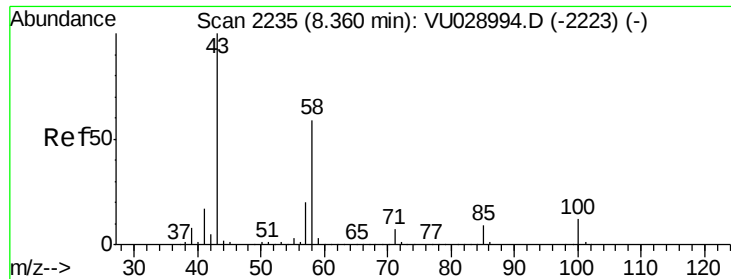
1,3-Dichloropropane  
 Concen: 1.803 ug/l  
 RT: 8.41 min Scan# 2251  
 Delta R.T. 0.17 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

| Tgt Ion   | 76    | Resp  | 4467  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 0.0   | 26.0  | 39.0# |



Abundance Ion 75.90 (75.60 to 76.60): VU0  
 Ion 77.90 (77.60 to 78.60): VU0

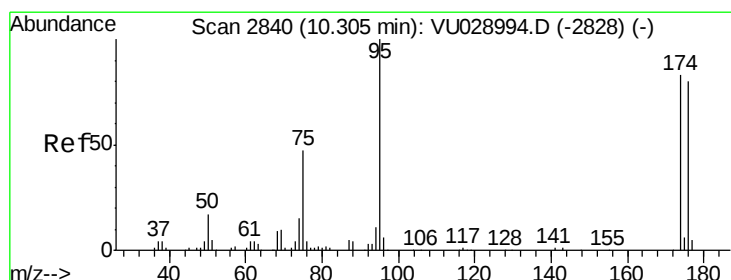
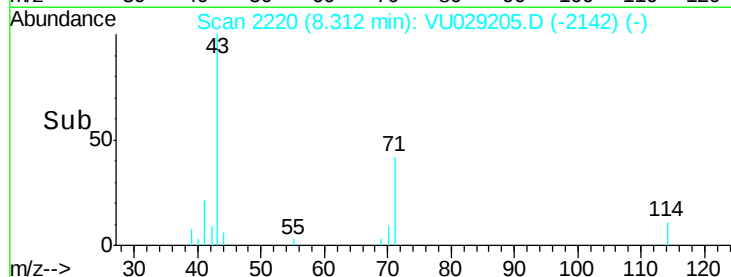
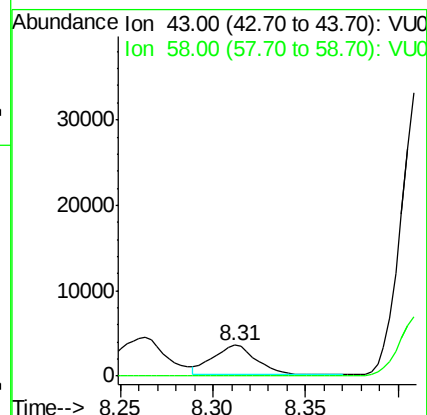
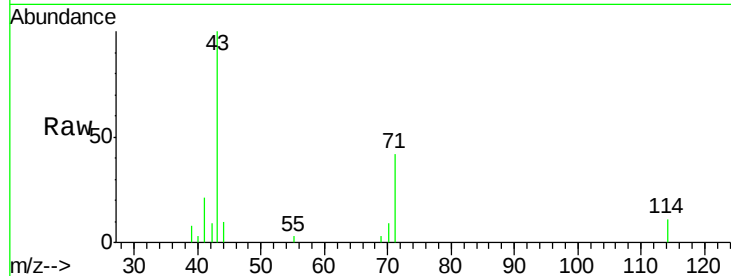




#59  
2-Hexanone  
Concen: 3.300 ug/l  
RT: 8.31 min Scan# 2220  
Delta R.T. -0.05 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

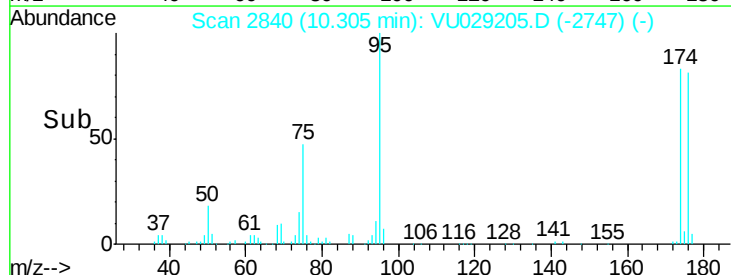
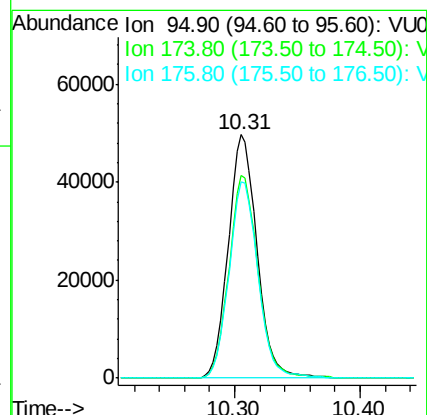
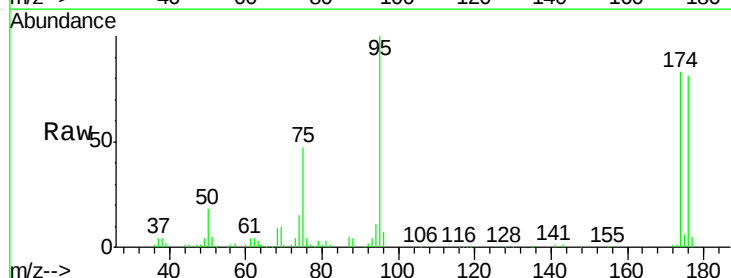
Instrument :  
MSVOA\_U  
ClientSampled :  
TP-7

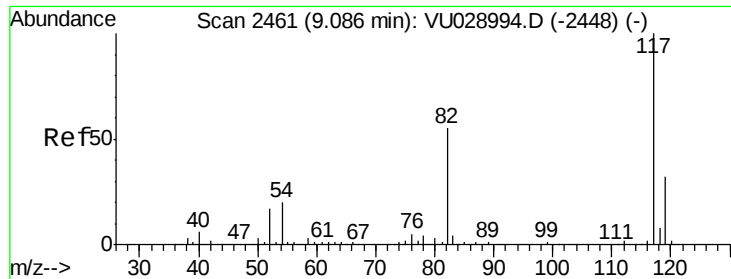
Tot Ion: 43 Resp: 5649  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.8 89.4#



#62  
4-Bromofluorobenzene  
Concen: 45.086 ug/l  
RT: 10.31 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Tgt Ion: 95 Resp: 78953  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 170.6  
176 81.2 0.0 165.0

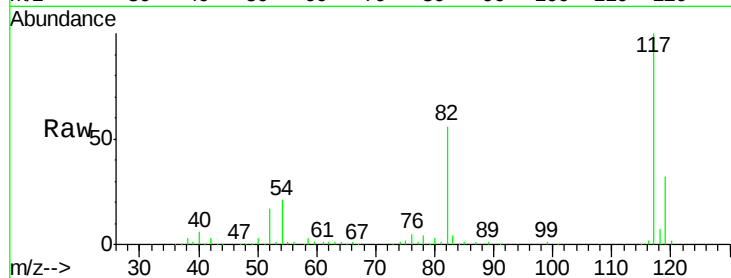




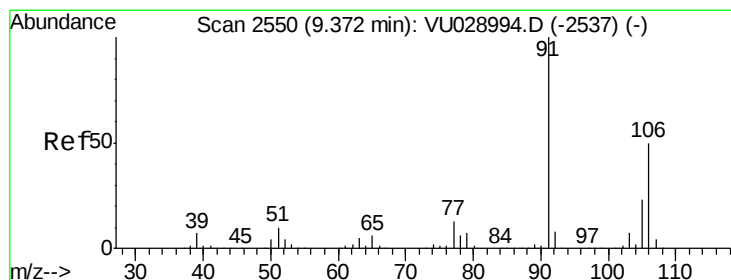
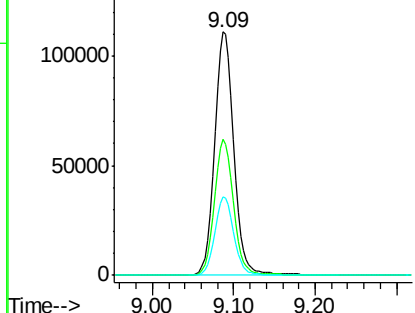
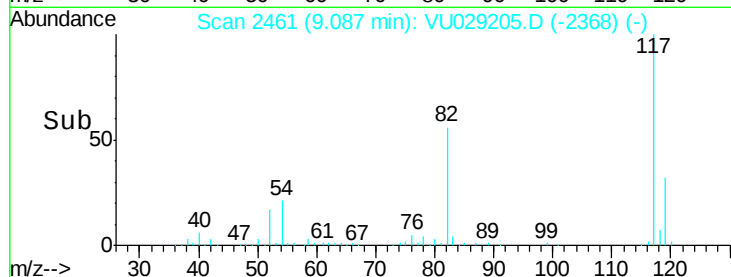
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Tot Ion:117 Resp: 185059  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.9 65.9  
119 32.2 26.0 39.0

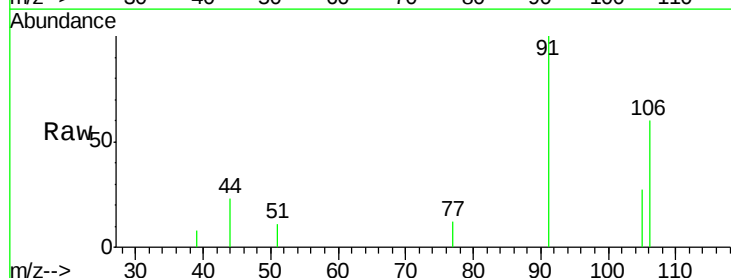


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

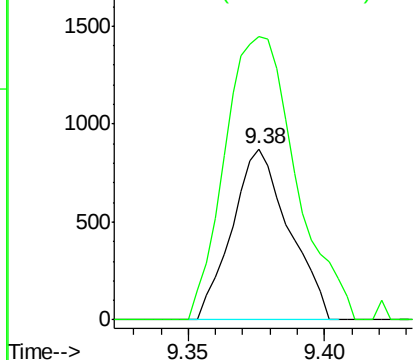
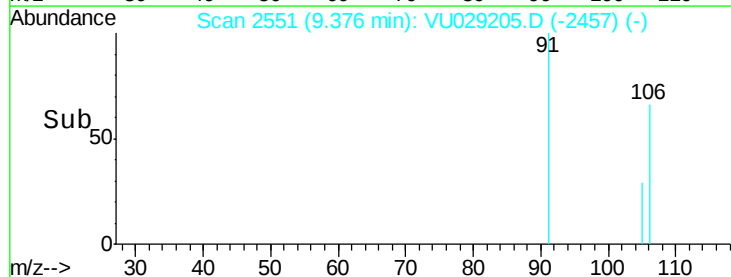


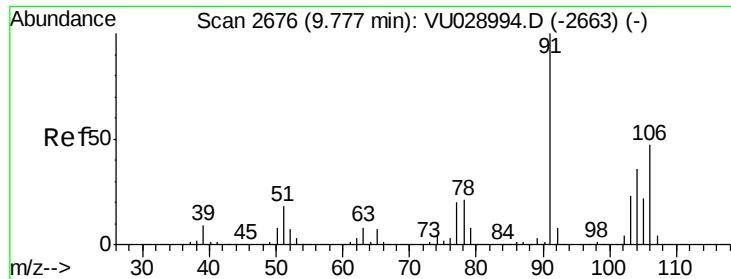
#68  
m/p-Xylenes  
Concen: 0.469 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Tgt Ion:106 Resp: 1262  
Ion Ratio Lower Upper  
106 100  
91 207.4 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

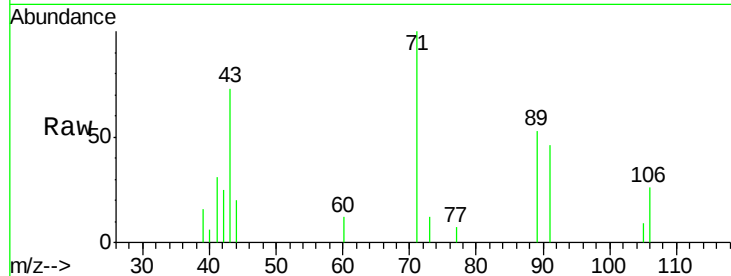




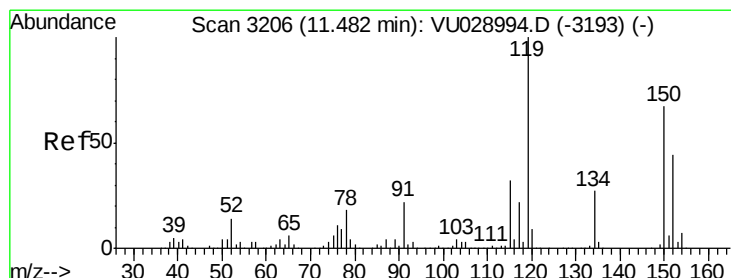
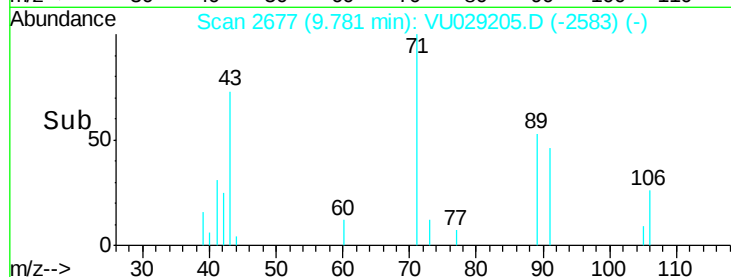
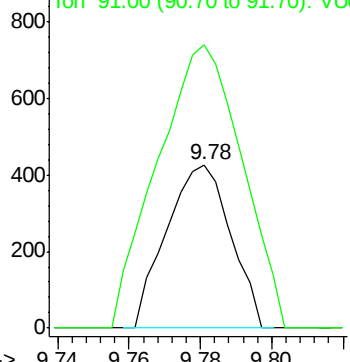
#69  
o-Xylene  
Concen: 0.204 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampled :  
TP-7

Tot Ion:106 Resp: 529  
Ion Ratio Lower Upper  
106 100  
91 228.5 106.1 318.3

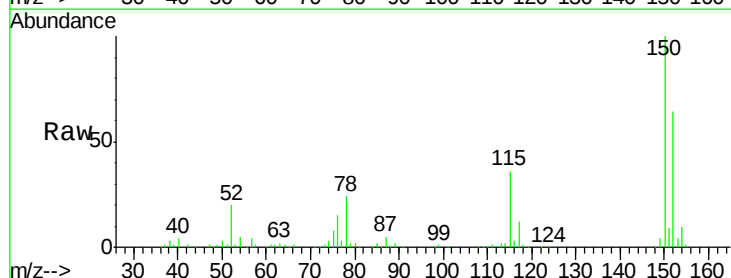


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

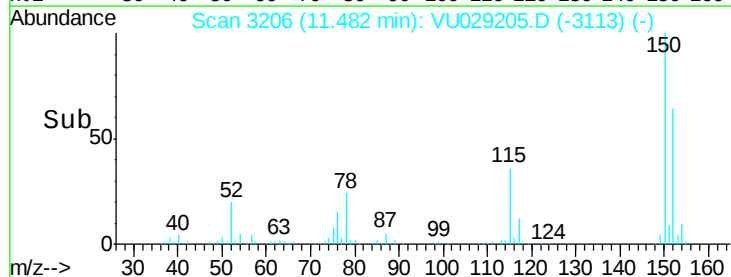
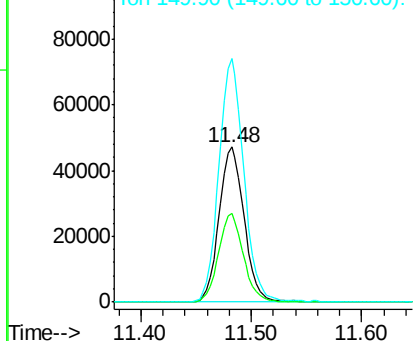


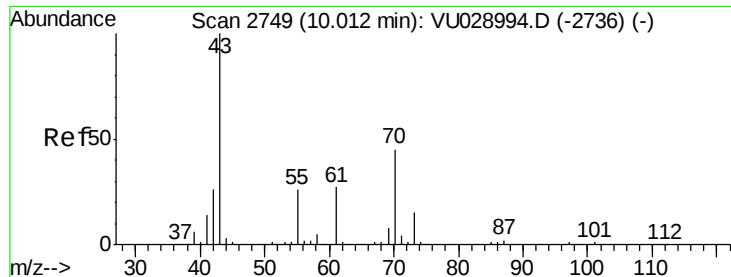
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. 0.00 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Tgt Ion:152 Resp: 74555  
Ion Ratio Lower Upper  
152 100  
115 56.4 40.1 120.3  
150 155.5 0.0 345.2



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





#74

N-amvl acetate

Concen: 2.374 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Tot Ion: 43 Resp: 5645

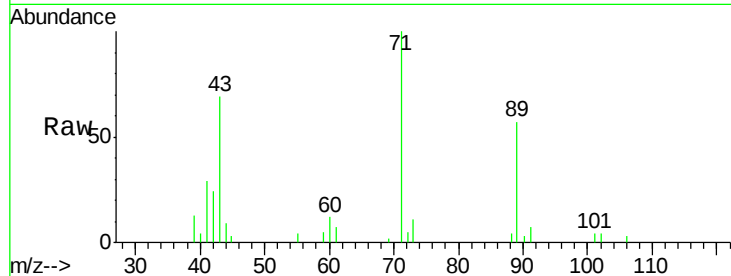
Ion Ratio Lower Upper

43 100

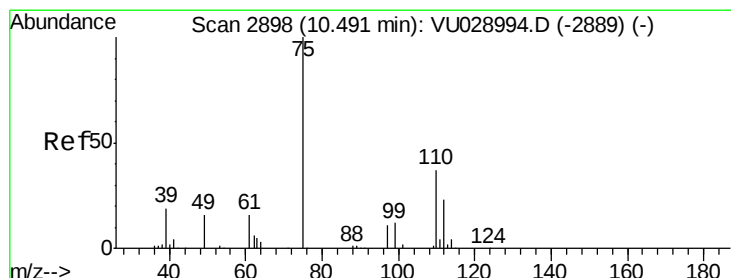
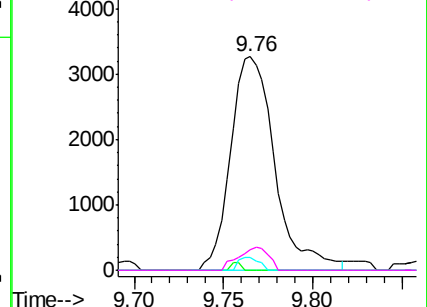
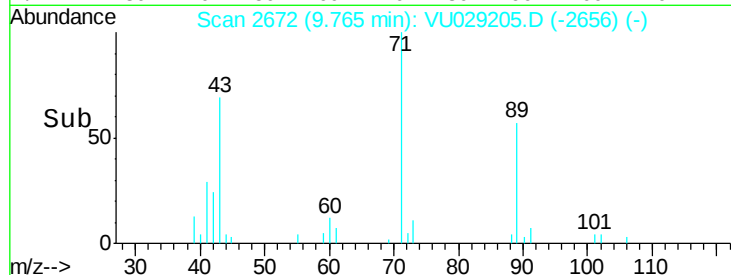
70 0.8 36.3 54.5#

55 2.7 20.5 30.7#

61 7.3 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 70.00 (69.70 to 70.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 20.291 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029205.D

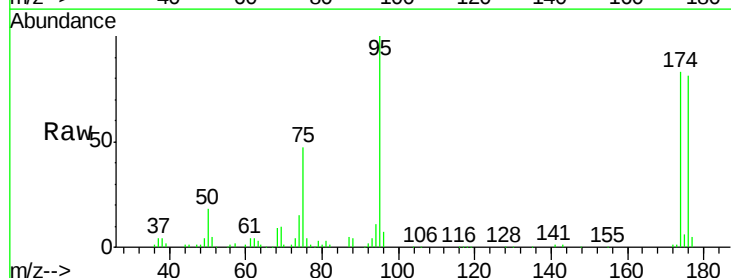
Acq: 16 Jan 2019 13:29

Tgt Ion: 75 Resp: 37066

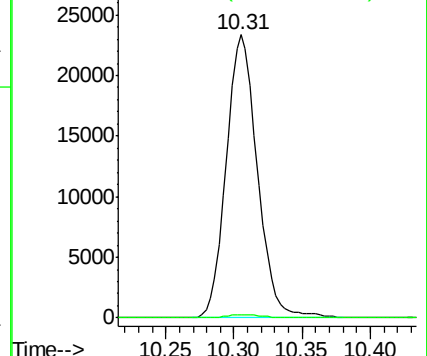
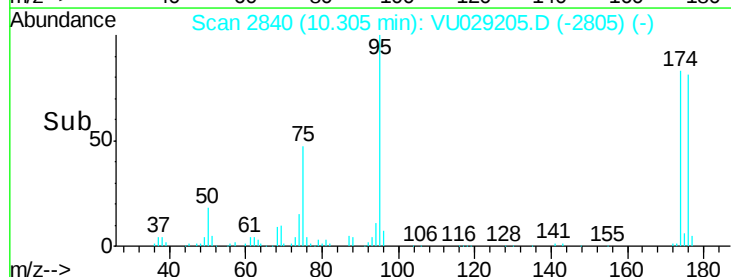
Ion Ratio Lower Upper

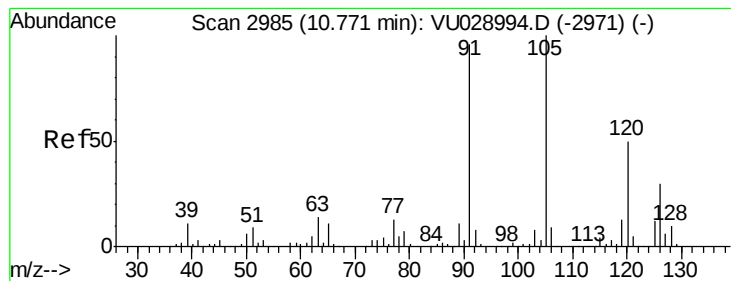
75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 77.00 (76.70 to 77.70): VU0





#80

1,3,5-Trimethylbenzene

Concen: 0.565 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

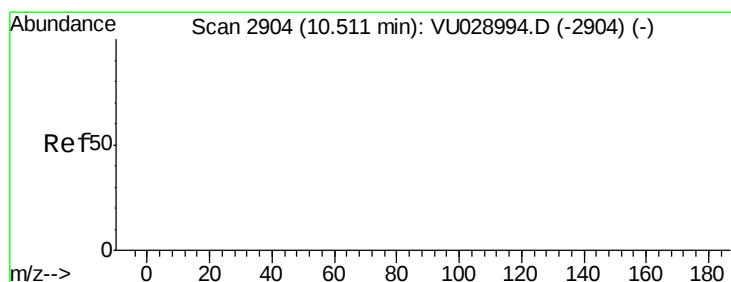
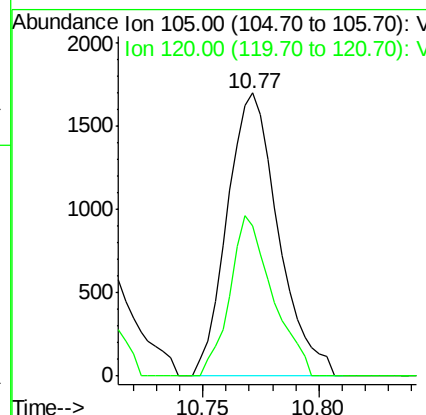
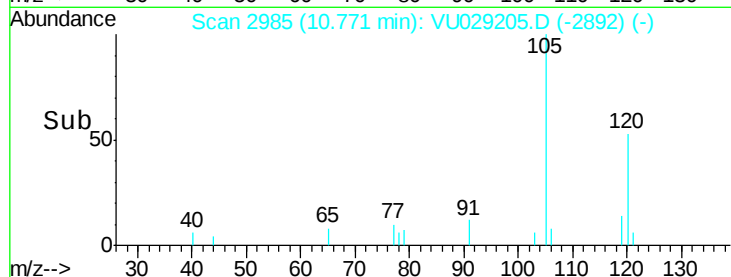
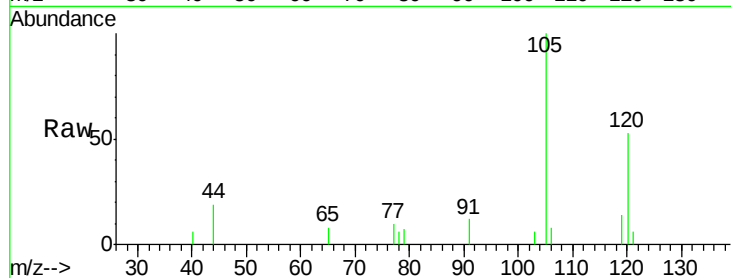
TP-7

Tot Ion:105 Resp: 2603

Ion Ratio Lower Upper

105 100

120 47.0 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 52.332 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

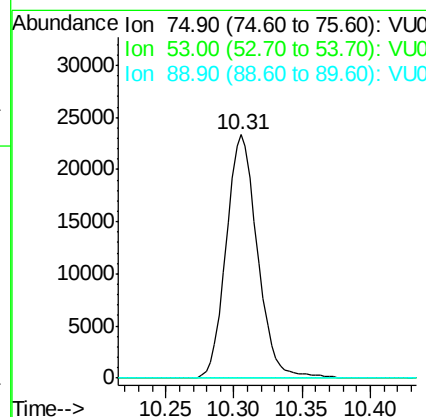
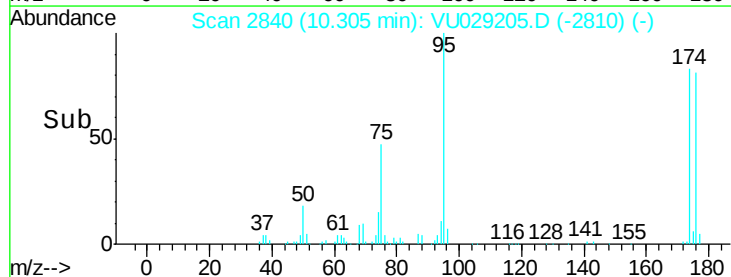
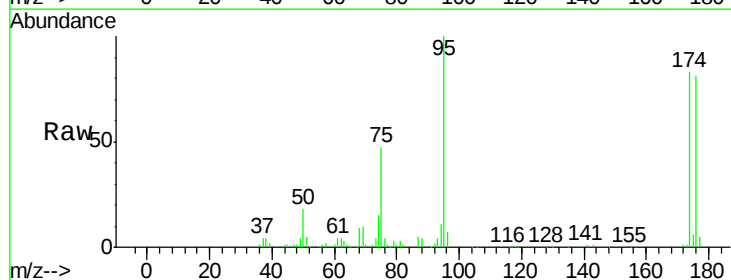
Tgt Ion: 75 Resp: 37066

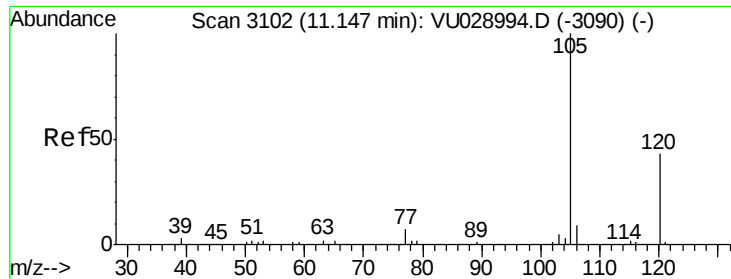
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

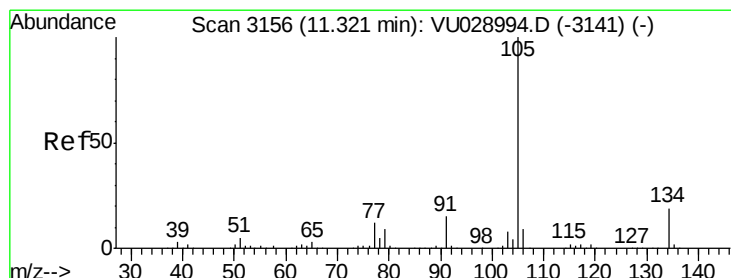
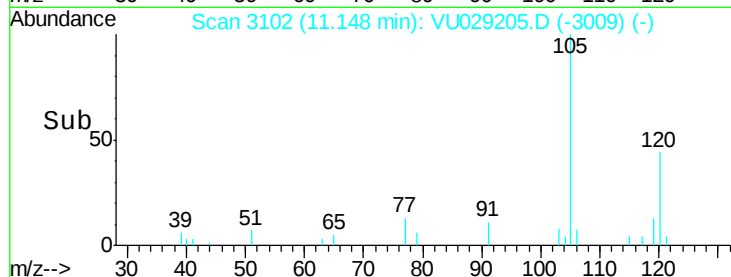
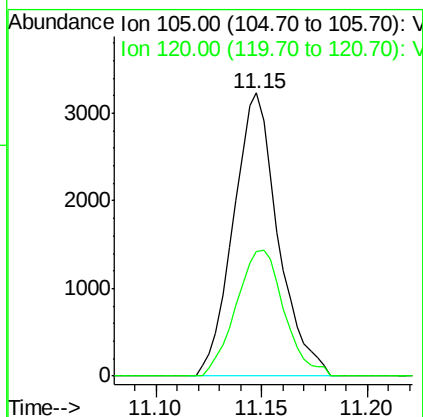
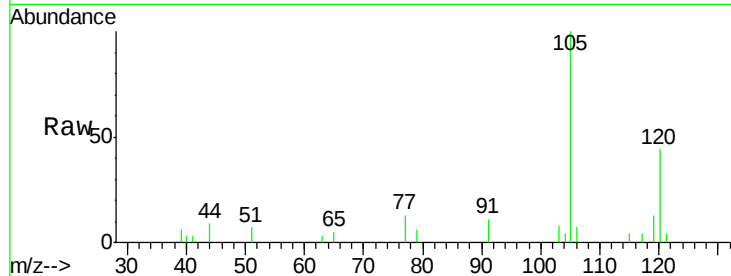




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.033 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

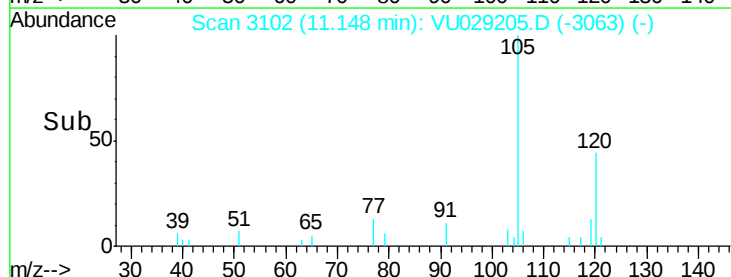
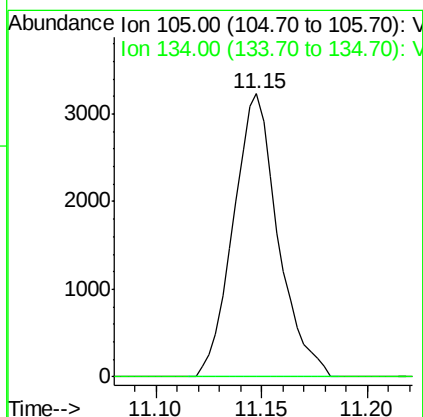
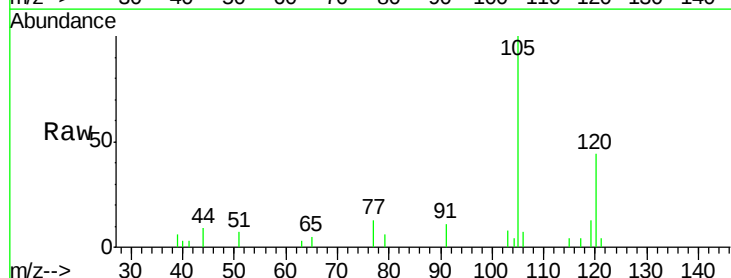
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 TP-7

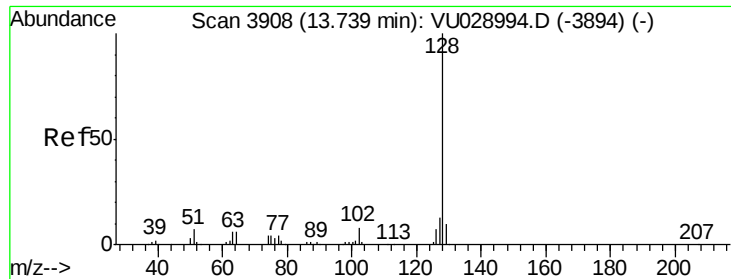
Tot Ion:105 Resp: 4752  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 23.1 69.3



#85  
 sec-Butylbenzene  
 Concen: 0.865 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. -0.17 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

Tgt Ion:105 Resp: 4752  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.7 29.1#





#95  
 Naphthalene  
 Concen: 1.408 ug/l  
 RT: 13.75 min Scan# 3910  
 Delta R.T. 0.01 min  
 Lab File: VU029205.D  
 Acq: 16 Jan 2019 13:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 10.0  | 10.1  | 15.1# |
| 129     | 10.5  | 8.5   | 12.7  |

