

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW101018\  
 Data File : VW005984.D  
 Acq On : 10 Oct 2018 13:28  
 Operator : SY/AP  
 Sample : J5255-01RE  
 Misc : 6.38G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TRACK-D-1

Quant Time: Oct 10 16:49:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 228152   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 344353   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 298291   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 134110   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 114499   | 51.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.40% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 110636   | 50.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.64% |      |
| 50) Toluene-d8              | 10.33  | 98  | 395576   | 46.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.54%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 129890   | 40.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 80.72%  |      |

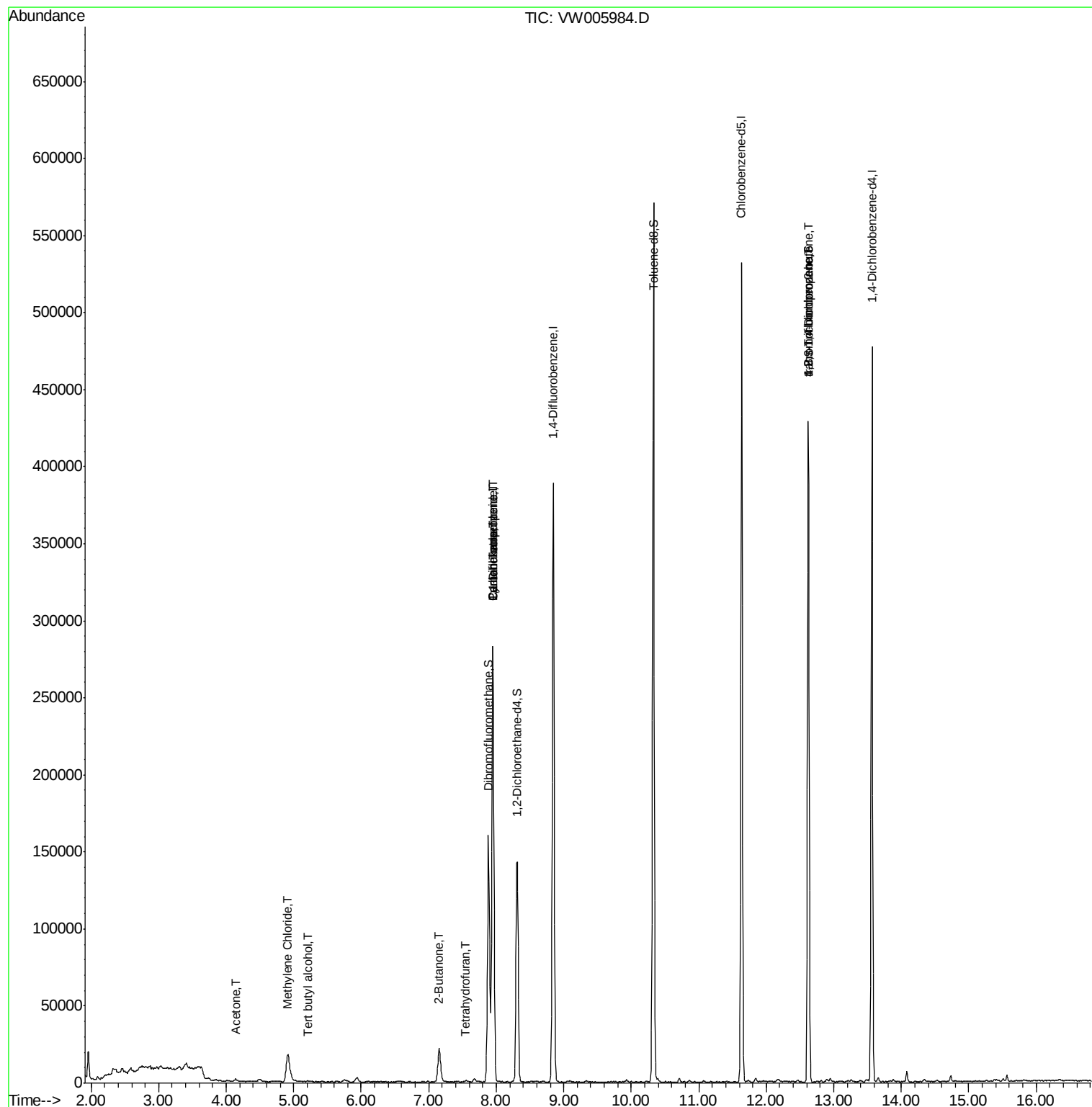
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 5.20  | 59   | 1361     | 8.38   | ug/l # | 85     |
| 16) Acetone                    | 4.14  | 43   | 1595     | 3.61   | ug/l   | 99     |
| 20) Methylene Chloride         | 4.92  | 84   | 17758    | 8.01   | ug/l   | 97     |
| 25) 2-Butanone                 | 7.15  | 43   | 1640     | 2.61   | ug/l # | 88     |
| 29) Tetrahydrofuran            | 7.54  | 42   | 443      | 1.11   | ug/l # | 37     |
| 31) Cyclohexane                | 7.95  | 56   | 4640     | 1.20   | ug/l # | 11     |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 15562    | 4.72   | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 20775    | 5.86   | ug/l # | 15     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 67076    | 55.99  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 67076    | 118.20 | ug/l # | 11     |

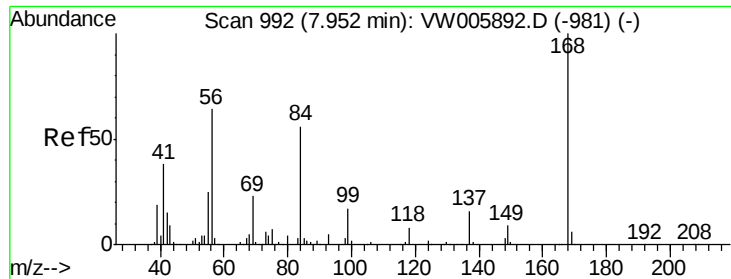
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TRACK-D-1

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Quant Title : SW846 8260  
QLast Update : Tue Oct 09 02:14:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005984.D

Acq: 10 Oct 2018 13:28

Instrument :

MSVOA\_W

ClientSampleId :

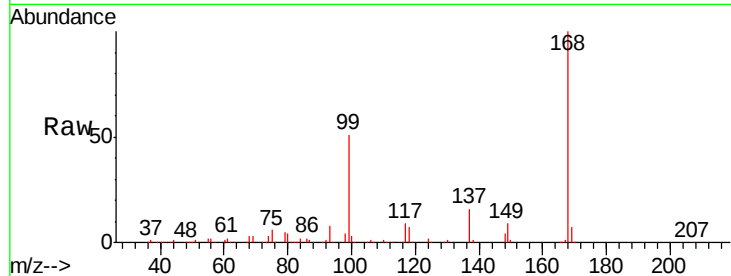
TRACK-D-1

Tgt Ion:168 Resp: 228152

Ion Ratio Lower Upper

168 100

99 50.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

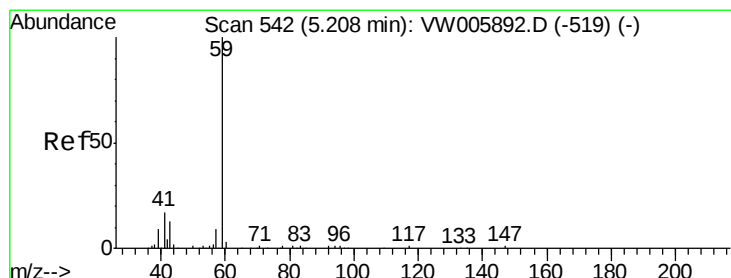
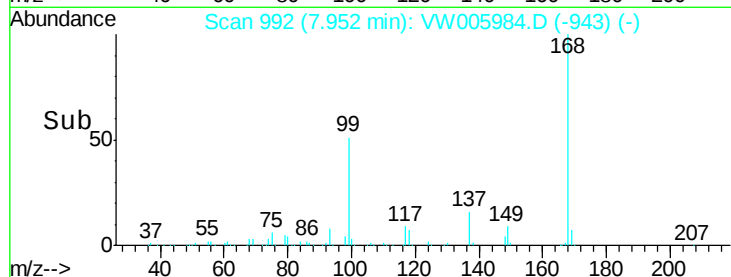
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.38 ug/l

RT: 5.20 min Scan# 541

Delta R.T. -0.01 min

Lab File: VW005984.D

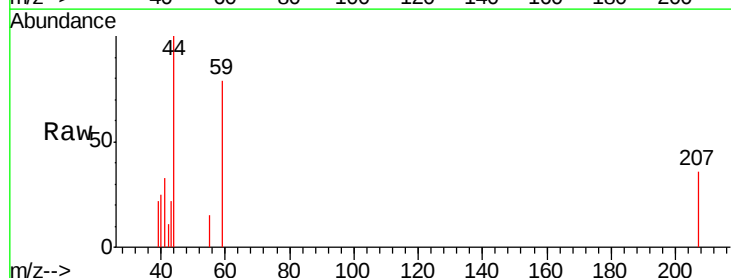
Acq: 10 Oct 2018 13:28

Tgt Ion: 59 Resp: 1361

Ion Ratio Lower Upper

59 100

57 4.1 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

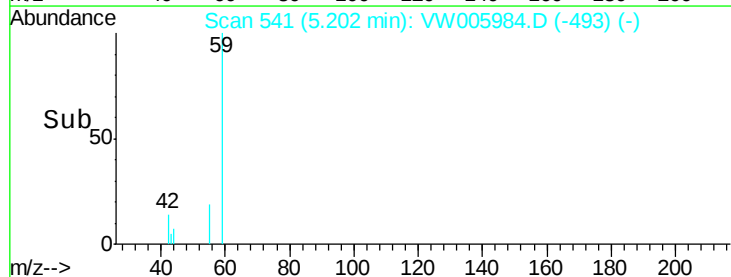
300

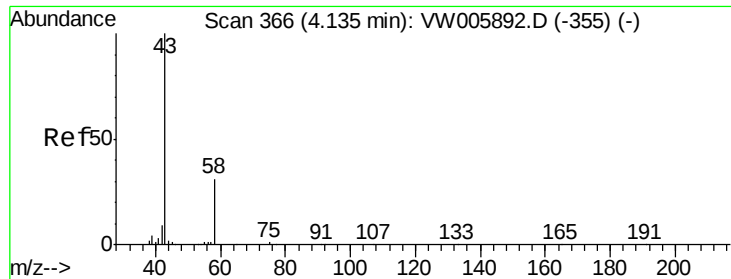
200

100

0

Time-->

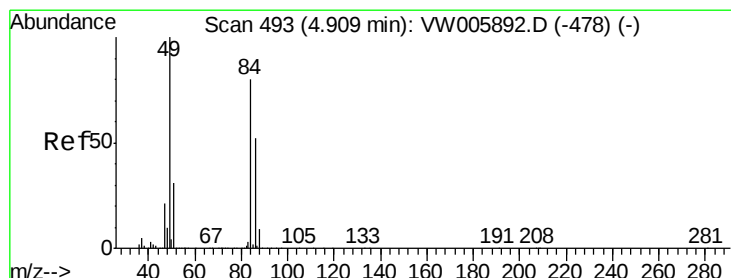
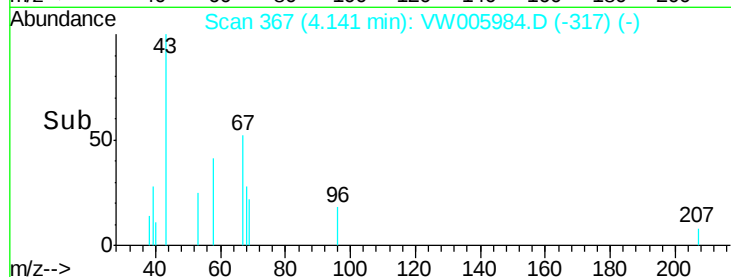
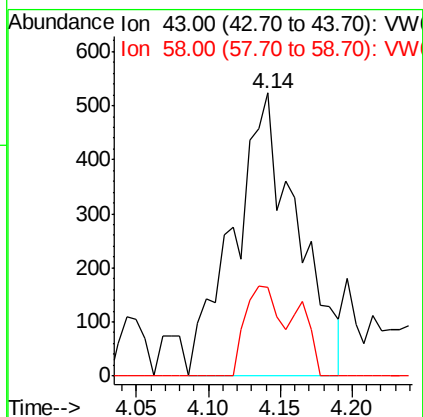
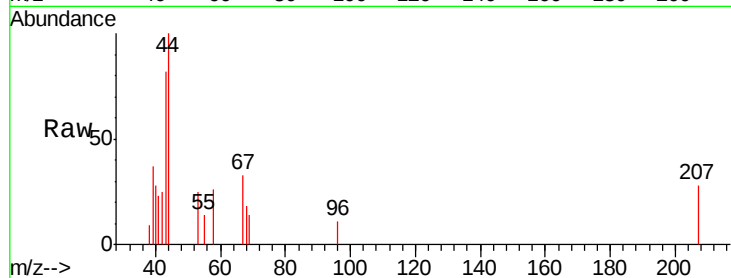




#16  
Acetone  
Concen: 3.61 ug/l  
RT: 4.14 min Scan# 367  
Delta R.T. 0.01 min  
Lab File: VW005984.D  
Acq: 10 Oct 2018 13:28

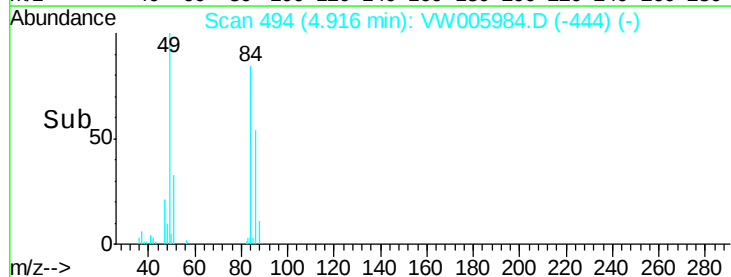
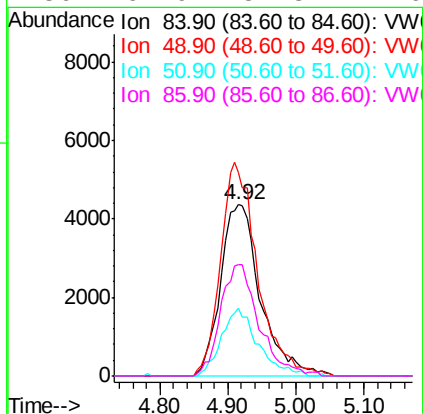
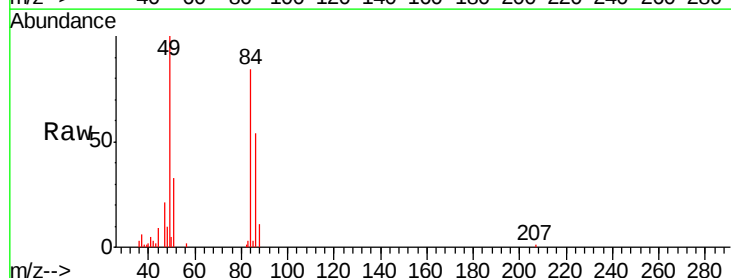
Instrument :  
MSVOA\_W  
ClientSampleId :  
TRACK-D-1

Tgt Ion: 43 Resp: 1595  
Ion Ratio Lower Upper  
43 100  
58 31.5 24.7 37.1



#20  
Methylene Chloride  
Concen: 8.01 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW005984.D  
Acq: 10 Oct 2018 13:28

Tgt Ion: 84 Resp: 17758  
Ion Ratio Lower Upper  
84 100  
49 119.1 99.9 149.9  
51 39.8 31.1 46.7  
86 64.9 51.8 77.6





#25

2-Butanone

Concen: 2.61 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005984.D

Acq: 10 Oct 2018 13:28

Instrument :

MSVOA\_W

ClientSampleId :

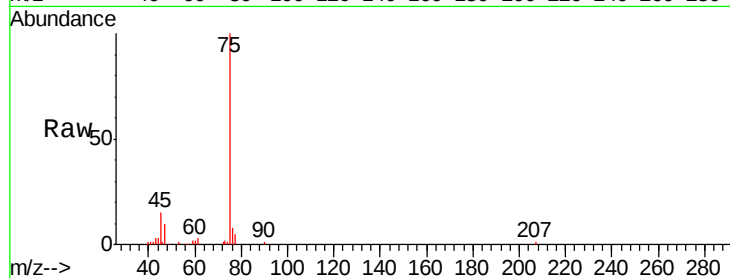
TRACK-D-1

Tgt Ion: 43 Resp: 1640

Ion Ratio Lower Upper

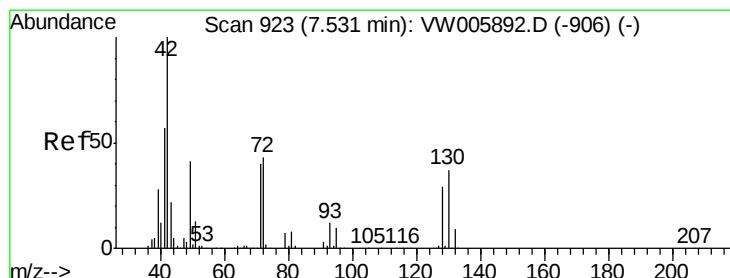
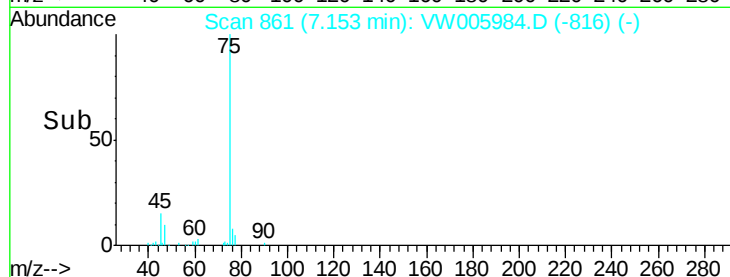
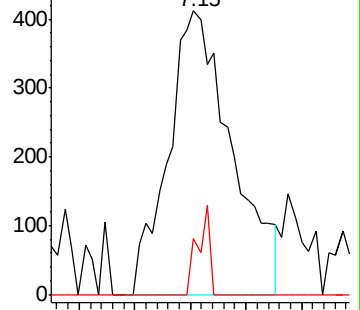
43 100

72 19.9 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.11 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005984.D

Acq: 10 Oct 2018 13:28

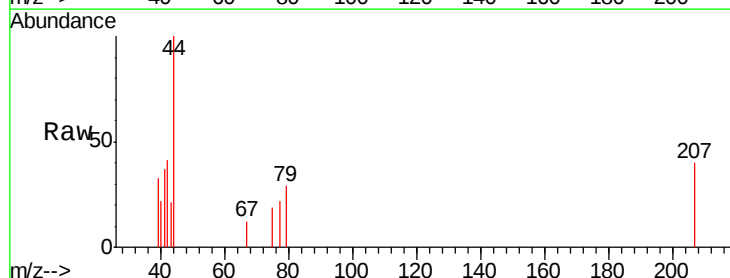
Tgt Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

72 4.3 34.6 51.8#

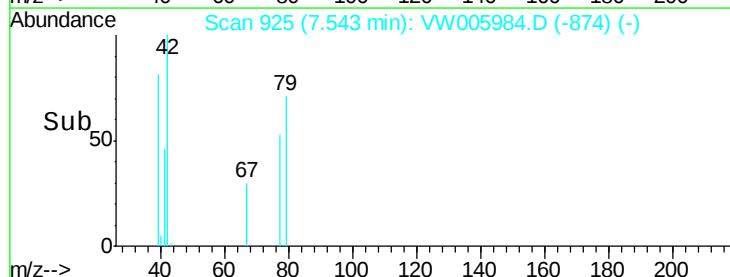
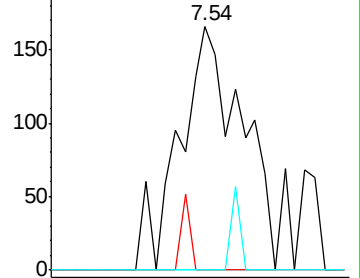
71 0.0 32.6 49.0#

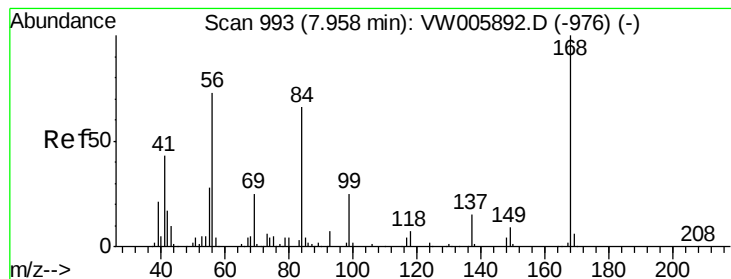


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.20 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005984.D

Acq: 10 Oct 2018 13:28

Instrument :

MSVOA\_W

ClientSampled :

TRACK-D-1

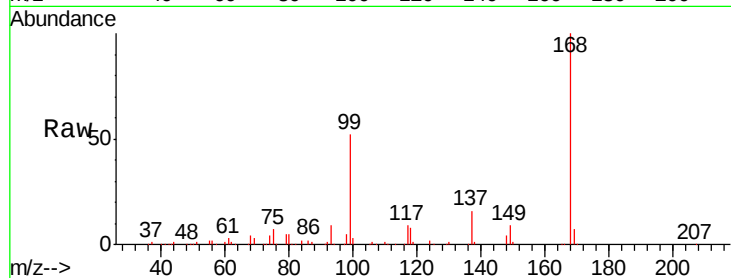
Tgt Ion: 56 Resp: 4640

Ion Ratio Lower Upper

56 100

69 169.0 27.9 41.9#

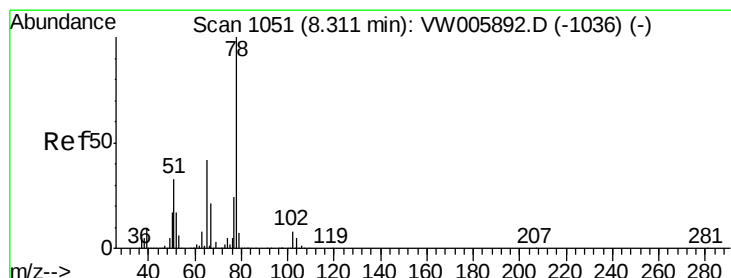
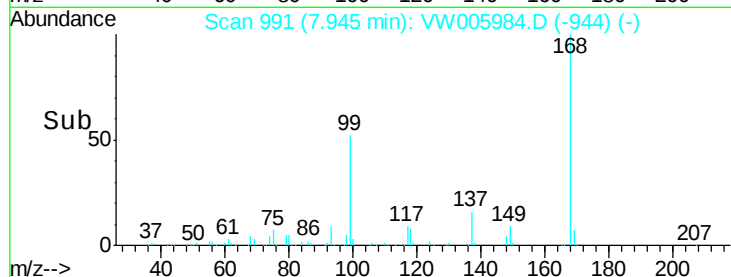
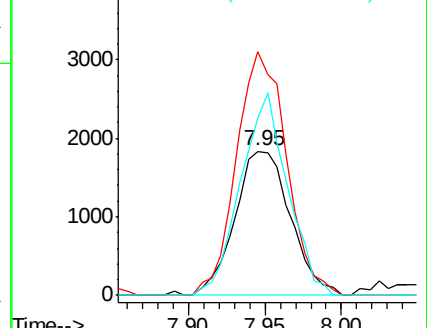
84 123.1 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.70 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005984.D

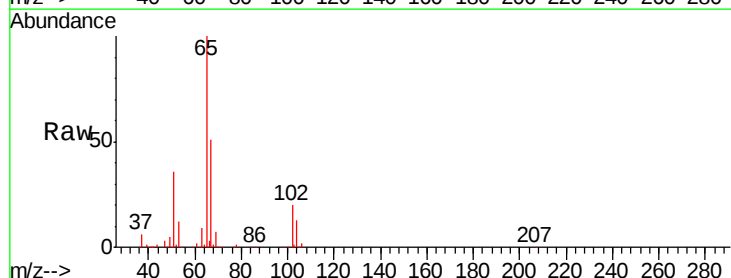
Acq: 10 Oct 2018 13:28

Tgt Ion: 65 Resp: 114499

Ion Ratio Lower Upper

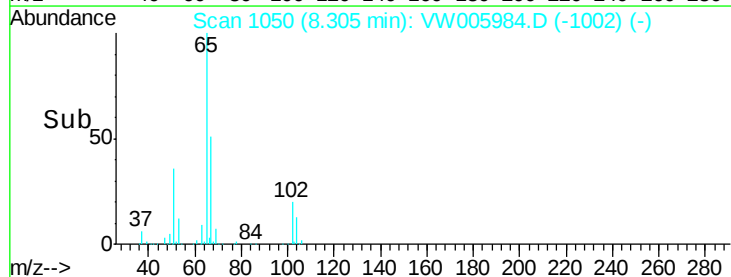
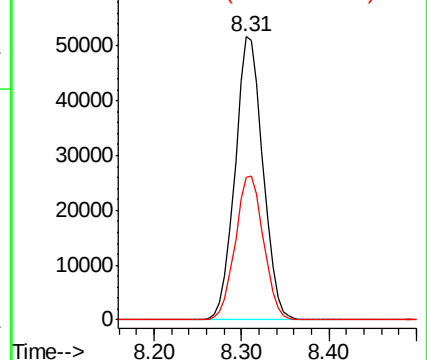
65 100

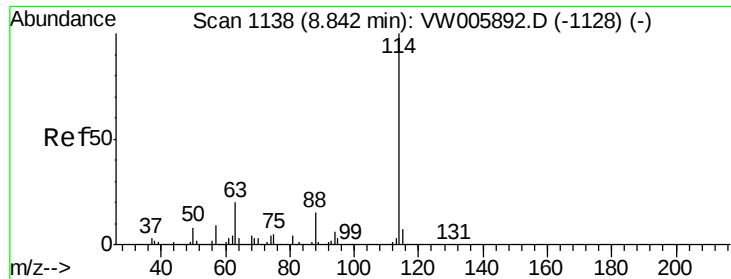
67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

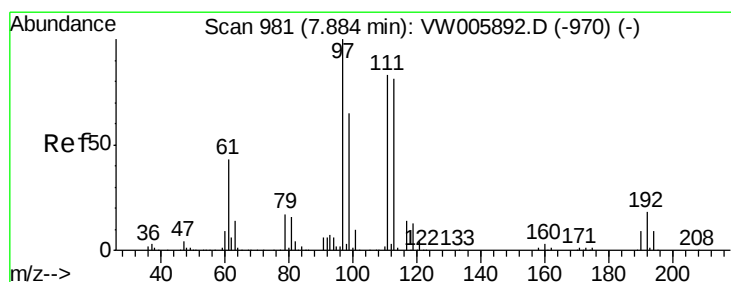
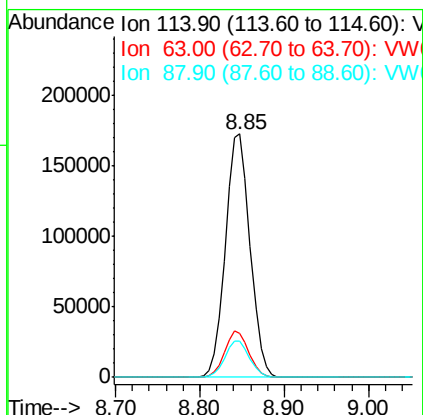
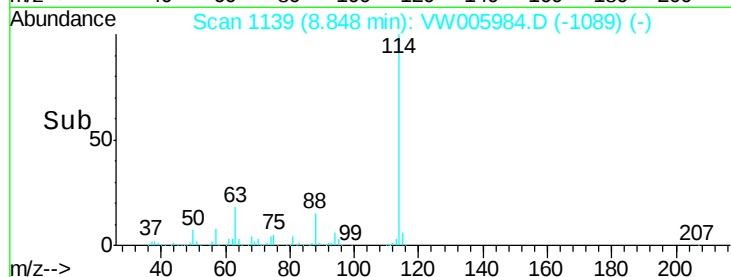
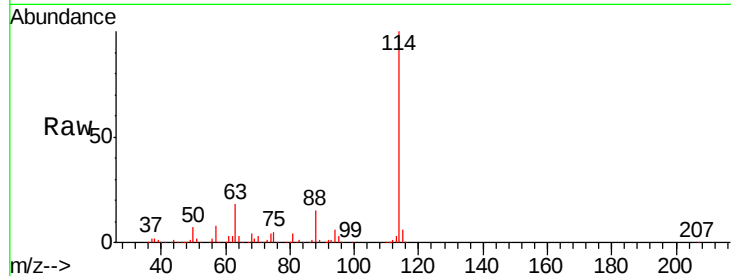




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW005984.D  
 Acq: 10 Oct 2018 13:28

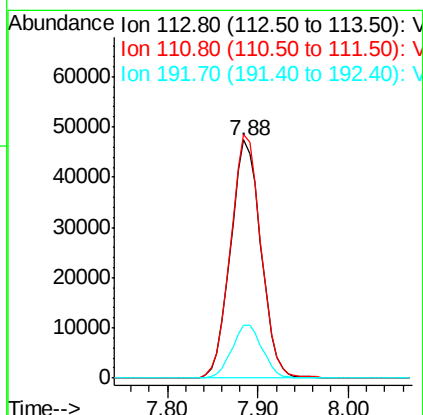
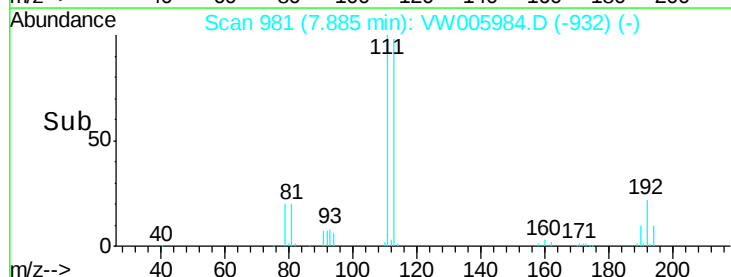
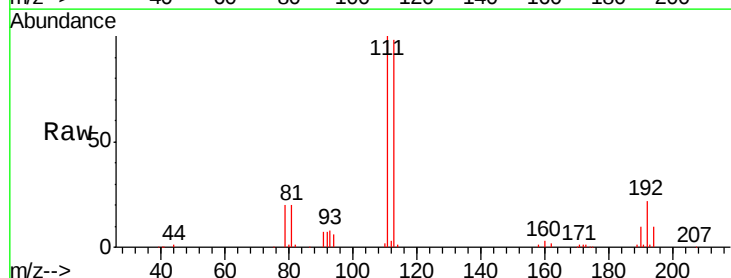
Instrument :  
 MSVOA\_W  
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 TRACK-D-1

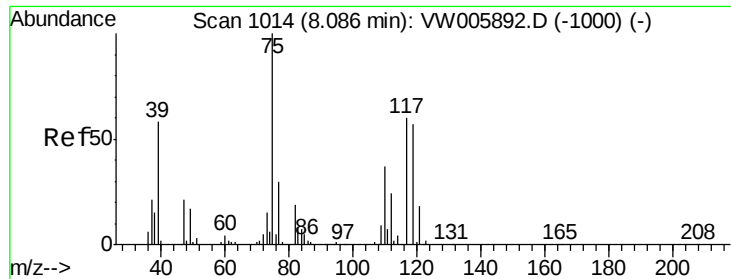
Tgt Ion:114 Resp: 344353  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 39.2  
 88 14.7 0.0 30.8



#35  
 Dibromofluoromethane  
 Concen: 50.32 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW005984.D  
 Acq: 10 Oct 2018 13:28

Tgt Ion:113 Resp: 110636  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 82.0 123.0  
 192 22.4 18.3 27.5

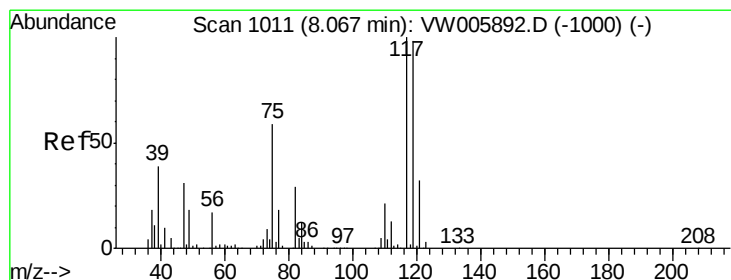
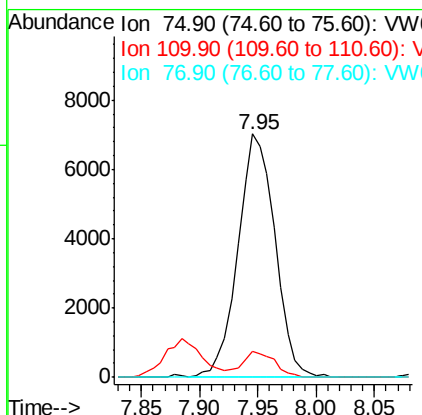
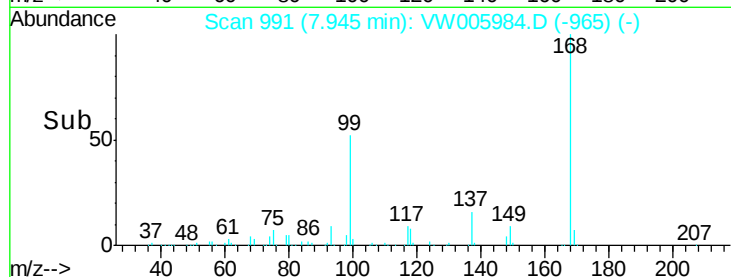
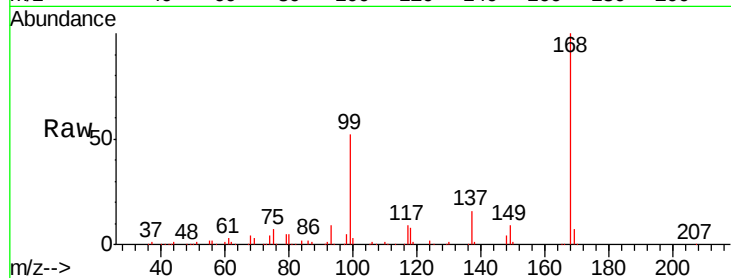




#36  
 1,1-Dichloropropene  
 Concen: 4.72 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.14 min  
 Lab File: VW005984.D  
 Acq: 10 Oct 2018 13:28

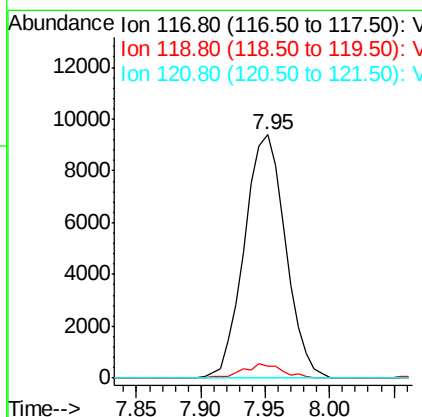
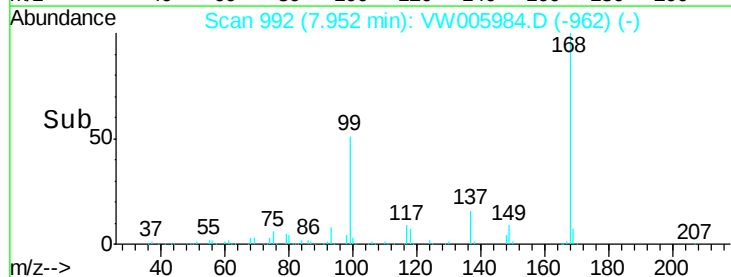
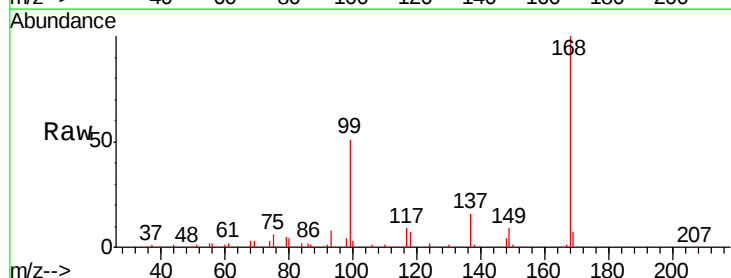
Instrument :  
 MSVOA\_W  
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 TRACK-D-1

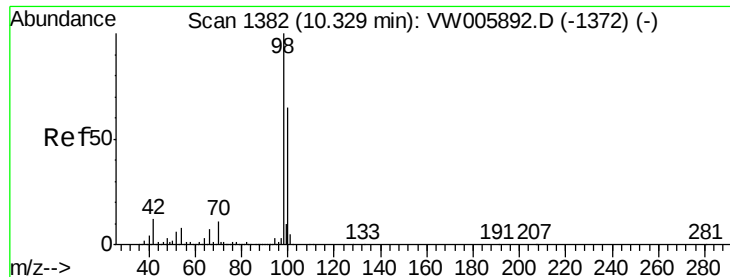
Tgt Ion: 75 Resp: 15562  
 Ion Ratio Lower Upper  
 75 100  
 110 9.6 18.6 56.0#  
 77 0.0 24.7 37.1#



#38  
 Carbon Tetrachloride  
 Concen: 5.86 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW005984.D  
 Acq: 10 Oct 2018 13:28

Tgt Ion: 117 Resp: 20775  
 Ion Ratio Lower Upper  
 117 100  
 119 4.9 78.6 117.8#  
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 46.77 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005984.D

Acq: 10 Oct 2018 13:28

Instrument :

MSVOA\_W

ClientSampleId :

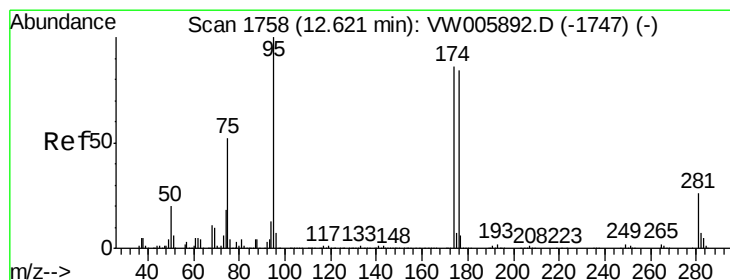
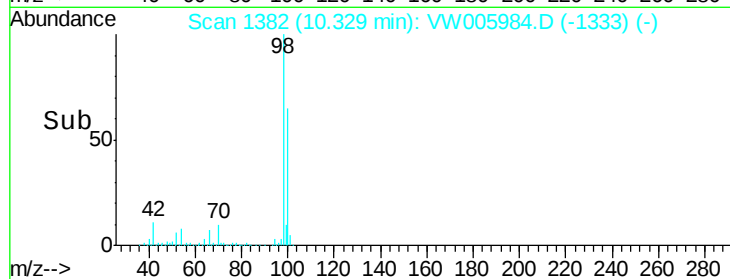
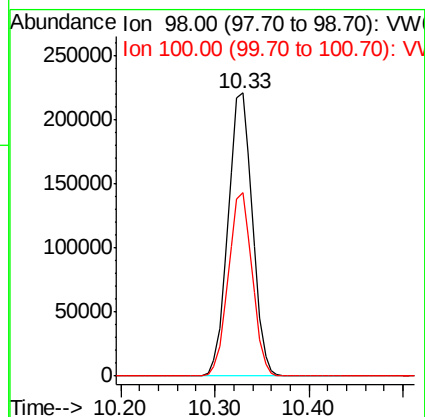
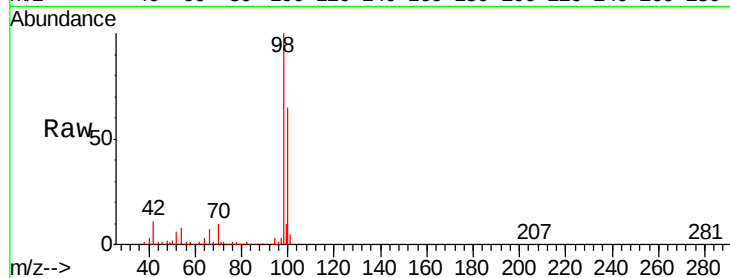
TRACK-D-1

Tgt Ion: 98 Resp: 395576

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 40.36 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005984.D

Acq: 10 Oct 2018 13:28

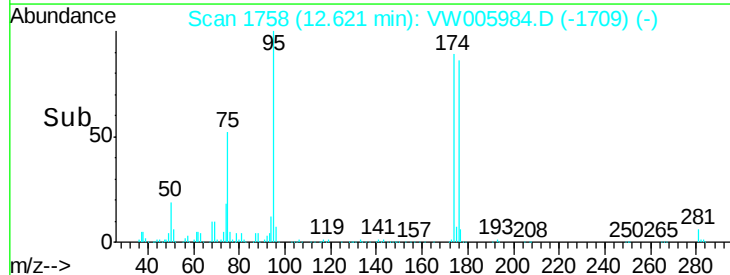
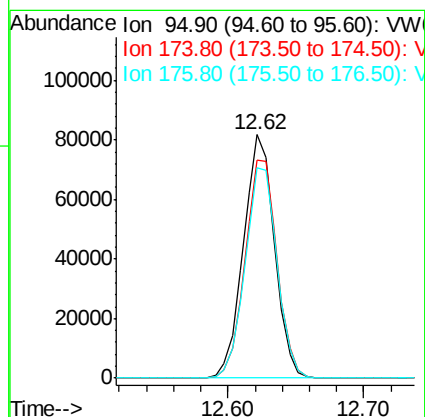
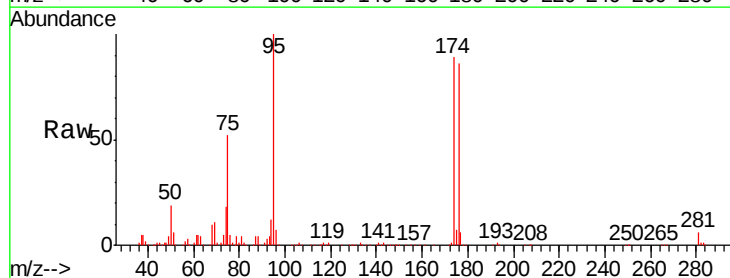
Tgt Ion: 95 Resp: 129890

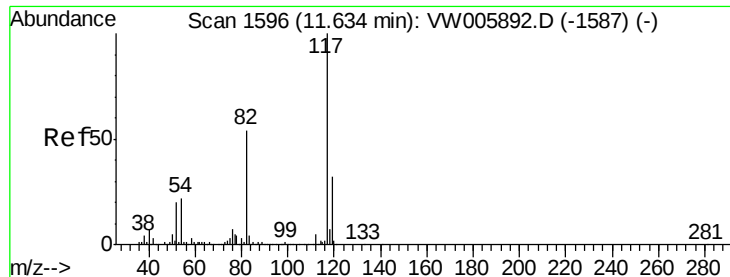
Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.4

176 89.5 0.0 173.0

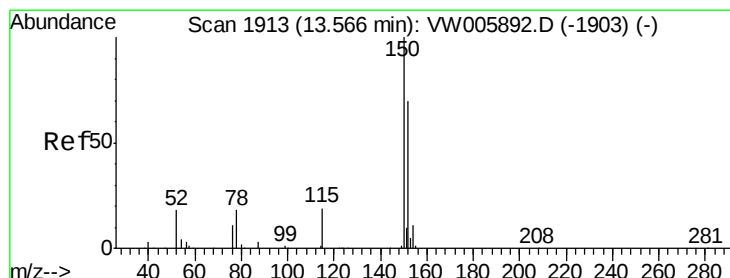
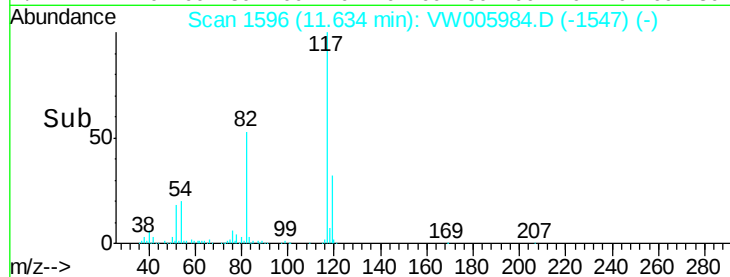
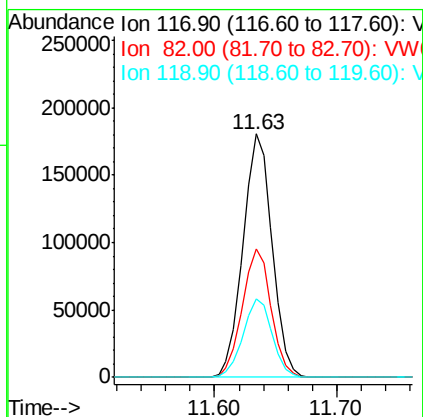
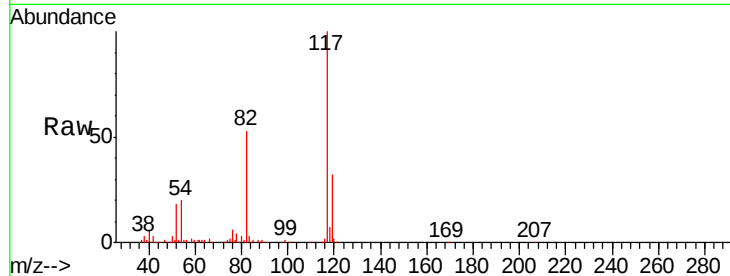




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW005984.D  
Acq: 10 Oct 2018 13:28

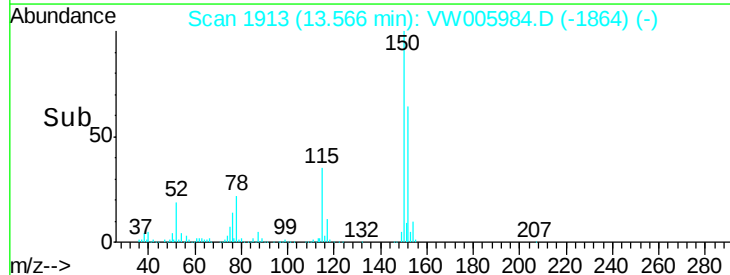
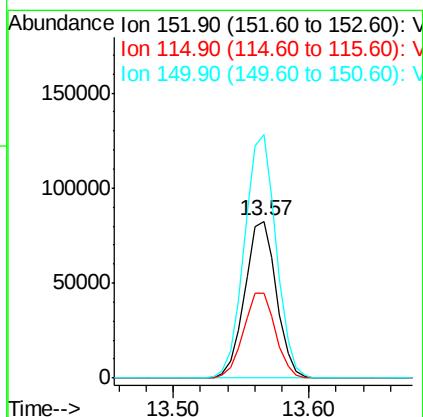
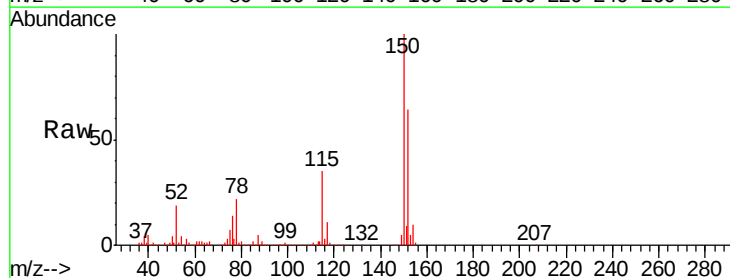
Instrument :  
MSVOA\_W  
ClientSampleId :  
TRACK-D-1

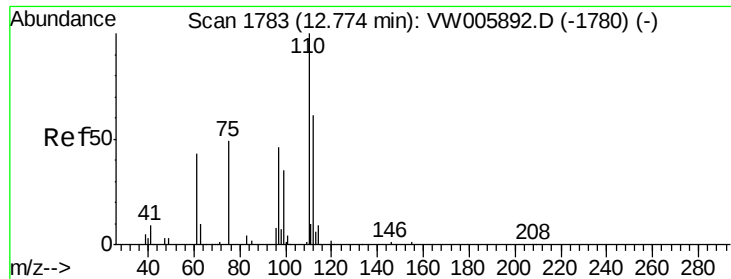
Tgt Ion:117 Resp: 298291  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.5 65.3  
119 32.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: VW005984.D  
Acq: 10 Oct 2018 13:28

Tgt Ion:152 Resp: 134110  
Ion Ratio Lower Upper  
152 100  
115 55.1 28.3 85.0  
150 155.9 0.0 349.2

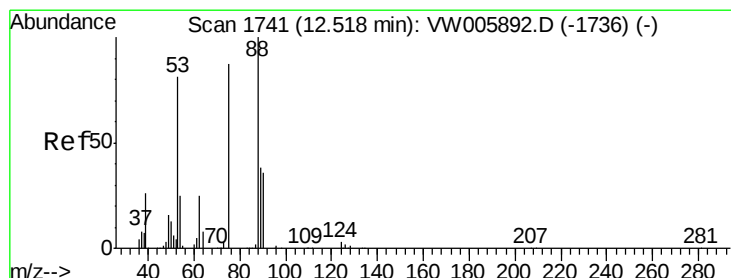
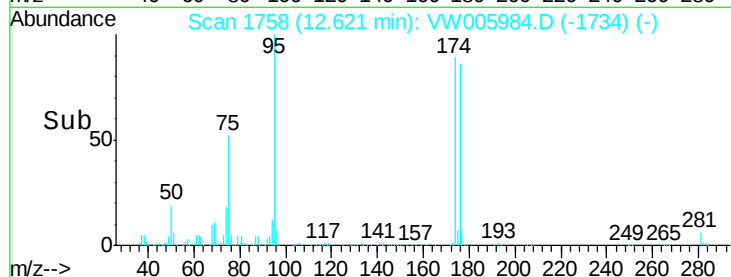
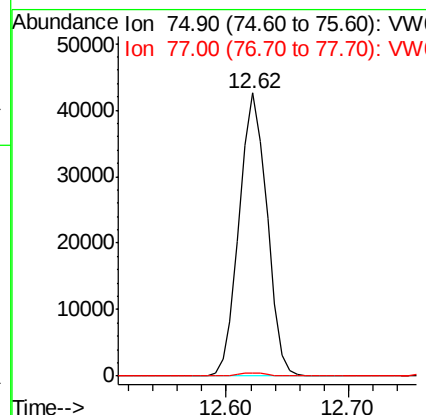
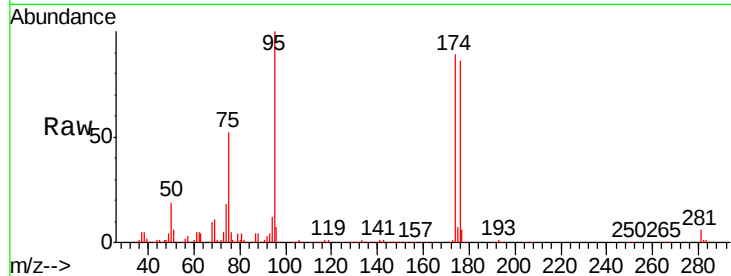




#76  
 1,2,3-Trichloropropane  
 Concen: 55.99 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.15 min  
 Lab File: VW005984.D  
 Acq: 10 Oct 2018 13:28

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 TRACK-D-1

Tgt Ion: 75 Resp: 67076  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 118.20 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW005984.D  
 Acq: 10 Oct 2018 13:28

Tgt Ion: 75 Resp: 67076  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 76.5 114.7#  
 89 0.0 37.6 56.4#

