

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW101618\  
 Data File : VW006076.D  
 Acq On : 16 Oct 2018 14:10  
 Operator : VA/AP  
 Sample : J5516-03  
 Misc : 5.43G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SSSI-1011-S-DH-31

Quant Time: Oct 16 15:15:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 304351   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 450629   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 410858   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 221077   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 125578   | 49.77 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.54% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 124793   | 46.87 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.74% |      |
| 50) Toluene-d8              | 10.33  | 98  | 460441   | 45.45 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.90% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 171498   | 45.07 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.14% |      |

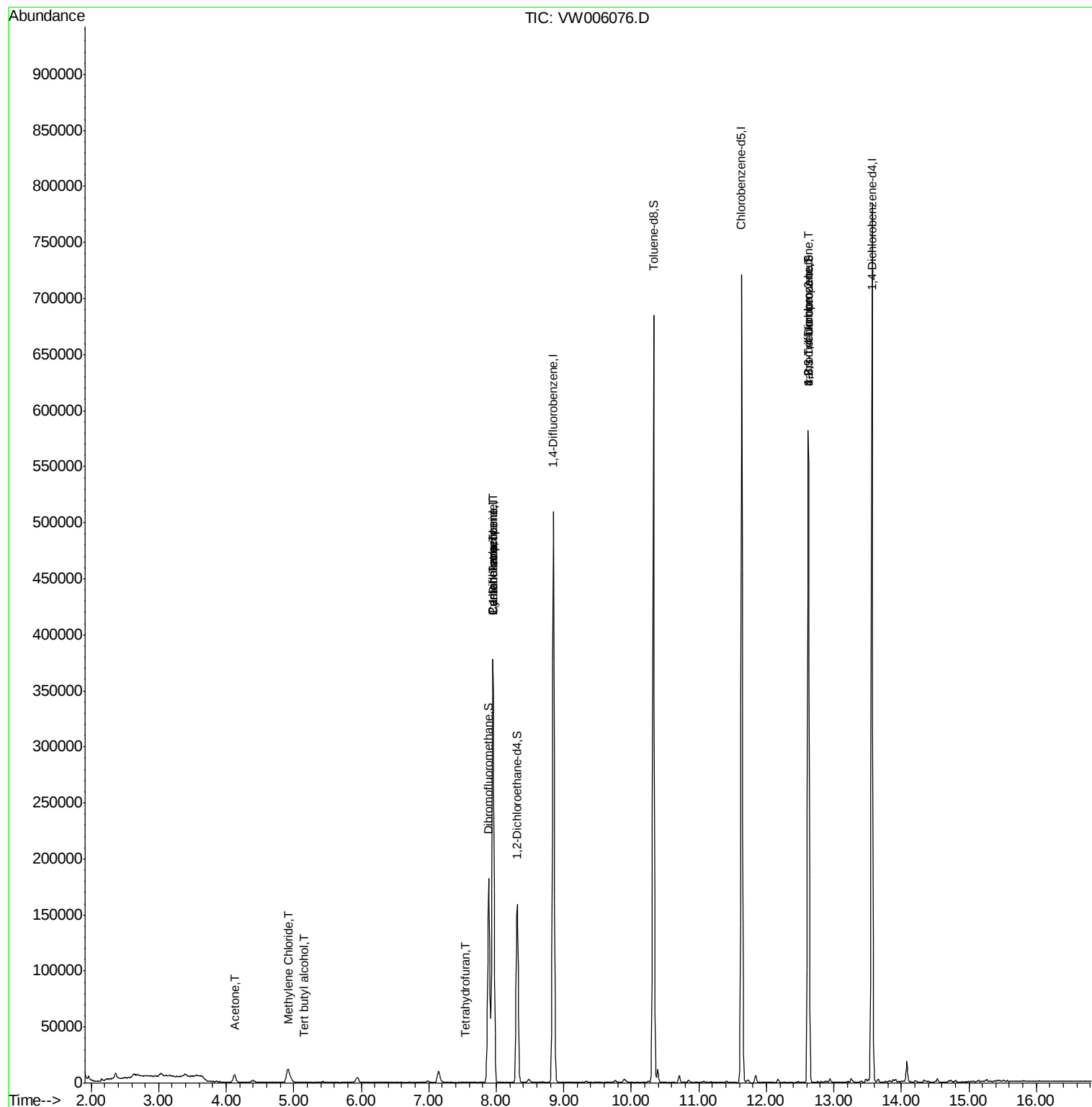
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 5.16  | 59   | 981      | 5.78   | ug/l # | 71     |
| 16) Acetone                    | 4.12  | 43   | 12906    | 13.24  | ug/l   | 96     |
| 20) Methylene Chloride         | 4.92  | 84   | 9764     | 2.10   | ug/l   | 93     |
| 29) Tetrahydrofuran            | 7.54  | 42   | 561      | 1.34   | ug/l # | 56     |
| 31) Cyclohexane                | 7.95  | 56   | 5858     | 1.27   | ug/l # | 17     |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 20034    | 4.82   | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 27511    | 6.04   | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 87875    | 52.04  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 87875    | 124.40 | ug/l # | 10     |

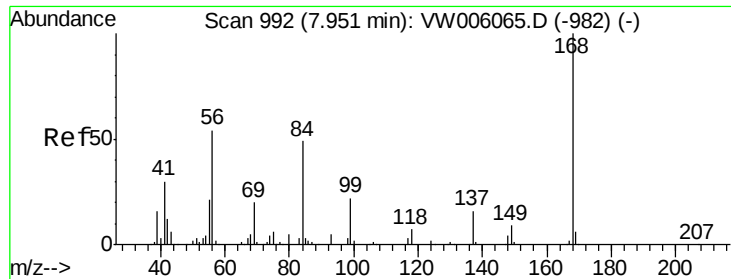
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW101618\  
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SSSI-1011-S-DH-31

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 16 05:36:33 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: VW006076.D

Acq: 16 Oct 2018 14:10

Instrument :

MSVOA\_W

ClientSampleId :

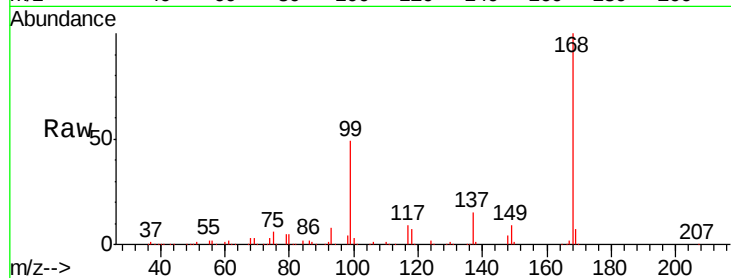
SSSI-1011-S-DH-31

Tgt Ion: 168 Resp: 304351

Ion Ratio Lower Upper

168 100

99 48.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

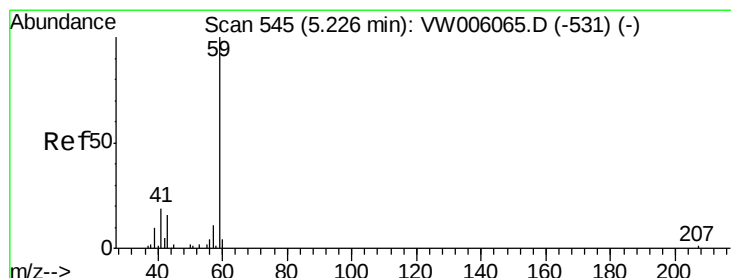
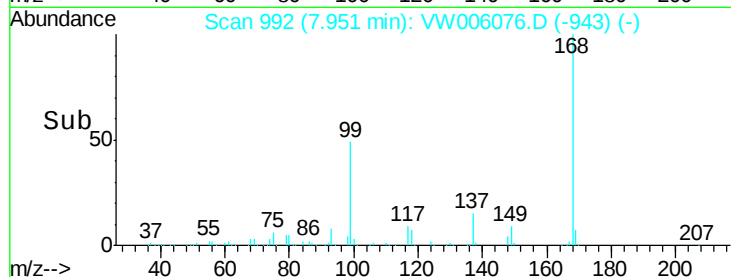
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 5.78 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.07 min

Lab File: VW006076.D

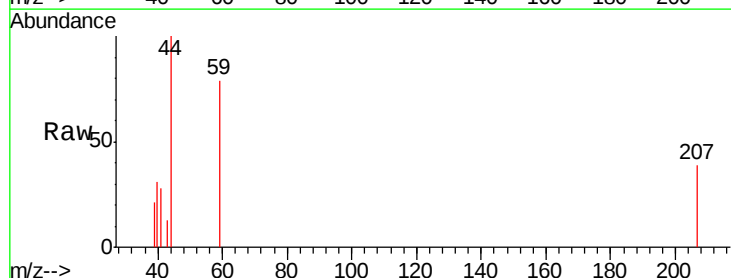
Acq: 16 Oct 2018 14:10

Tgt Ion: 59 Resp: 981

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

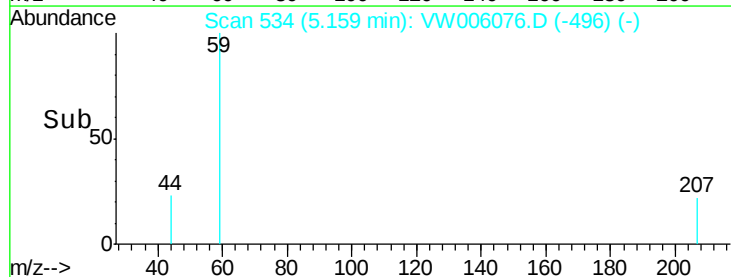
300

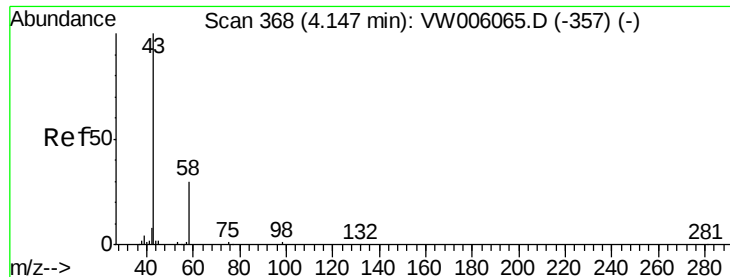
200

100

0

Time--> 5.05 5.10 5.15 5.20





#16

Acetone

Concen: 13.24 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006076.D

Acq: 16 Oct 2018 14:10

Instrument :

MSVOA\_W

ClientSampleId :

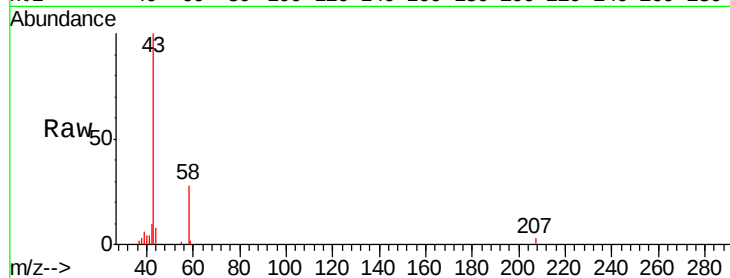
SSSI-1011-S-DH-31

Tgt Ion: 43 Resp: 12906

Ion Ratio Lower Upper

43 100

58 27.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

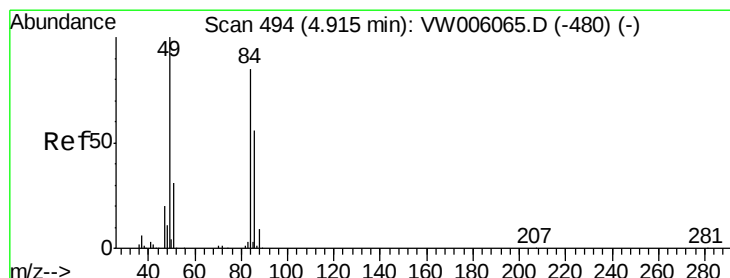
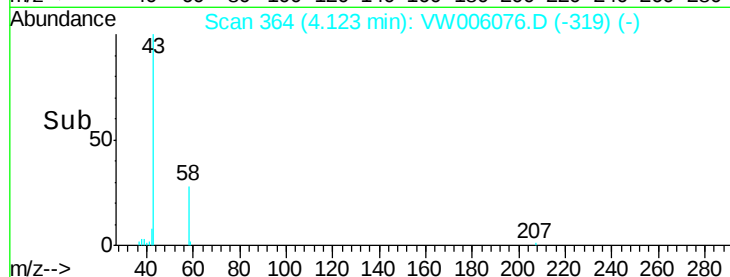
3000

2000

1000

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 2.10 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006076.D

Acq: 16 Oct 2018 14:10

Tgt Ion: 84 Resp: 9764

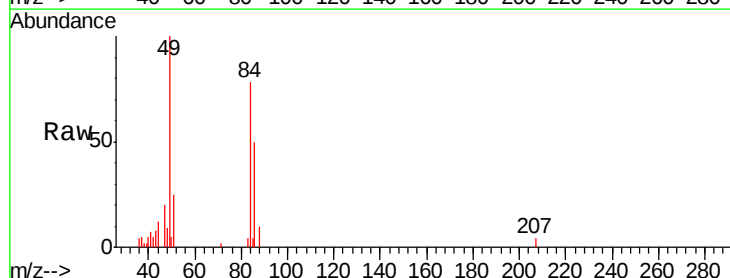
Ion Ratio Lower Upper

84 100

49 127.7 93.6 140.4

51 31.8 29.0 43.4

86 63.5 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

5000

4000

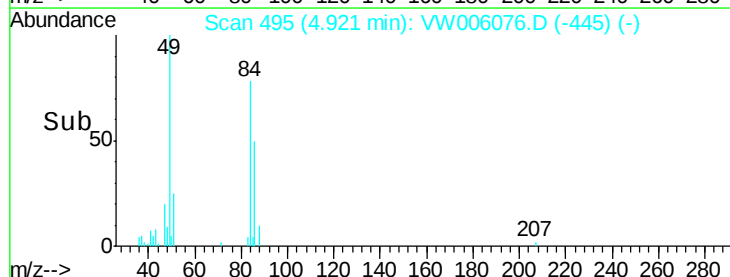
3000

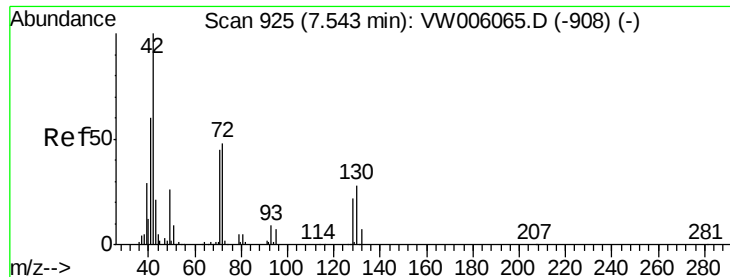
2000

1000

0

Time--> 4.80 4.90 5.00

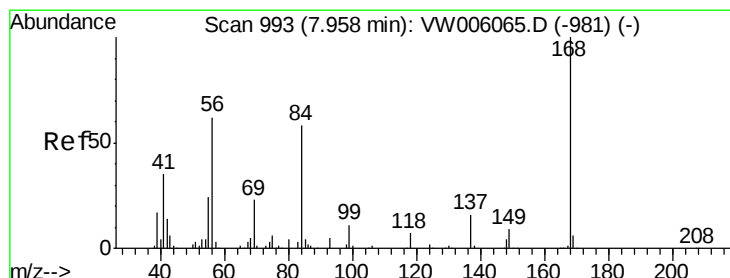
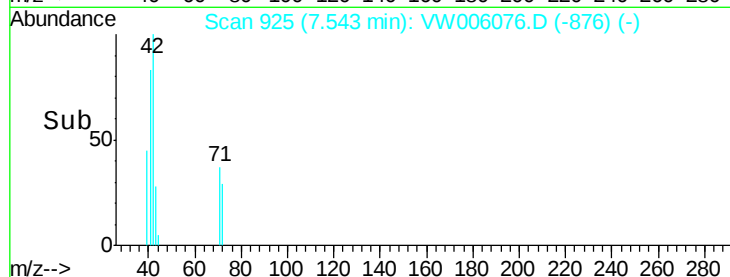
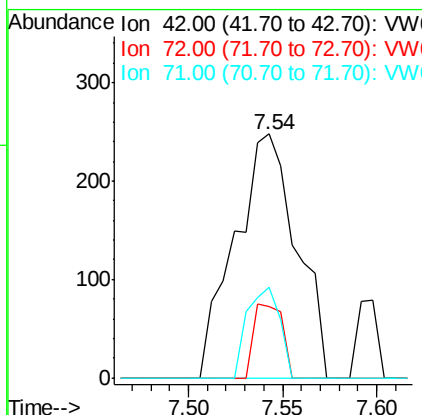
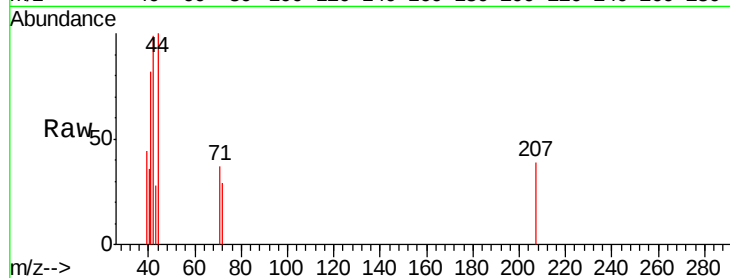




#29  
Tetrahydrofuran  
Concen: 1.34 ug/l  
RT: 7.54 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

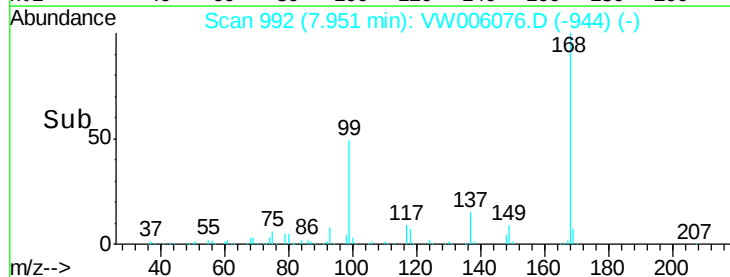
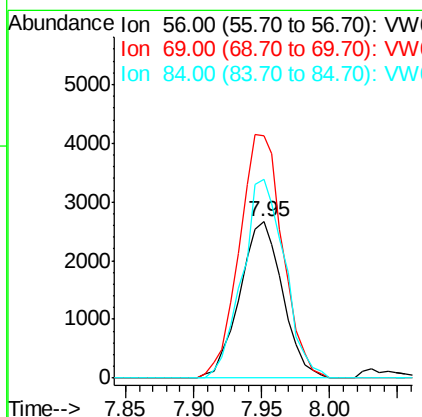
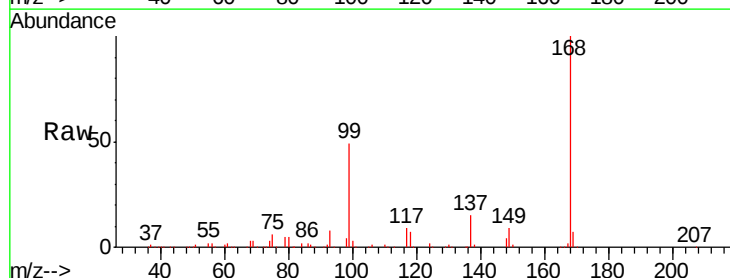
Instrument :  
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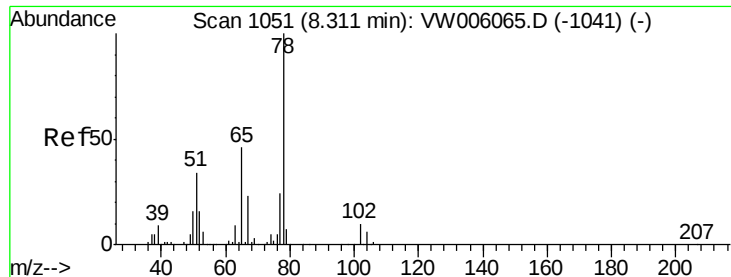
Tgt Ion: 42 Resp: 561  
Ion Ratio Lower Upper  
42 100  
72 14.1 38.0 57.0#  
71 19.6 35.3 52.9#



#31  
Cyclohexane  
Concen: 1.27 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

Tgt Ion: 56 Resp: 5858  
Ion Ratio Lower Upper  
56 100  
69 155.7 29.4 44.0#  
84 127.8 74.0 111.0#

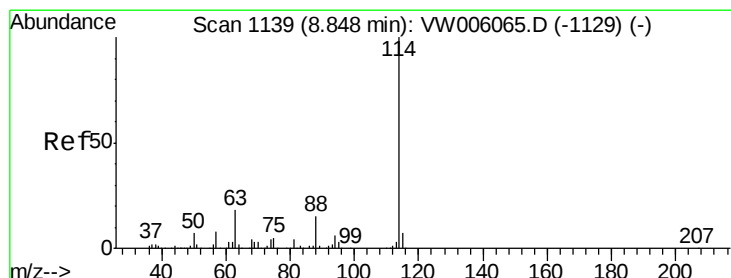
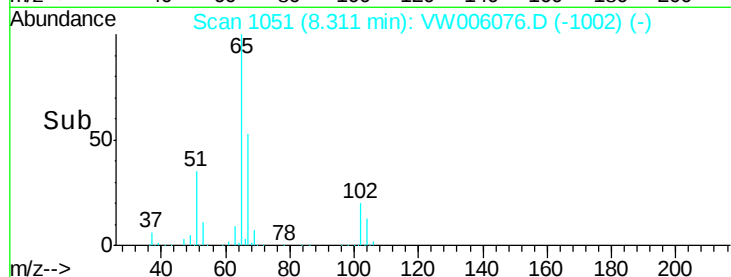
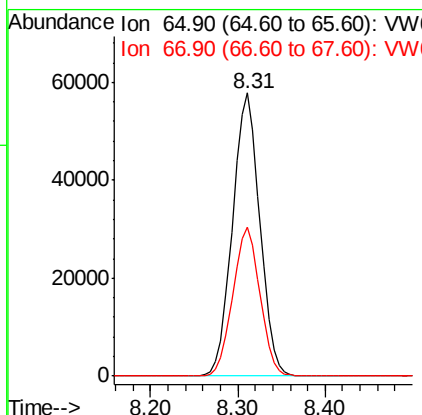
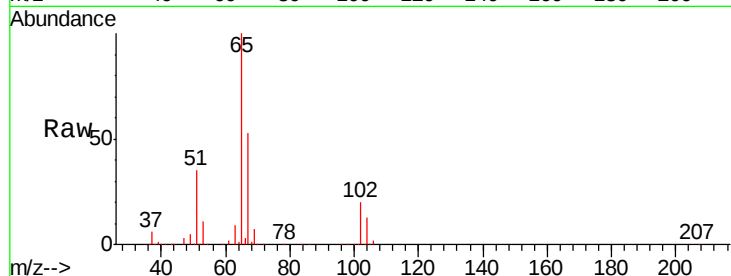




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.77 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW006076.D  
 Acq: 16 Oct 2018 14:10

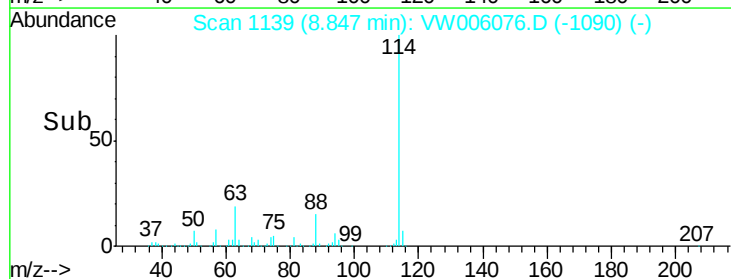
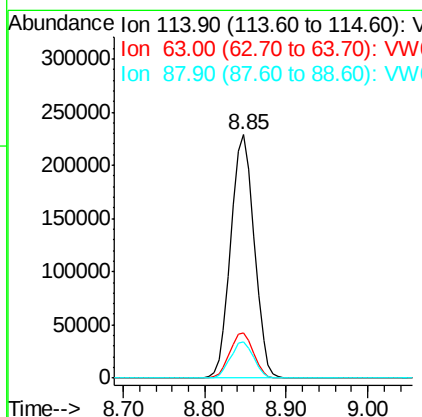
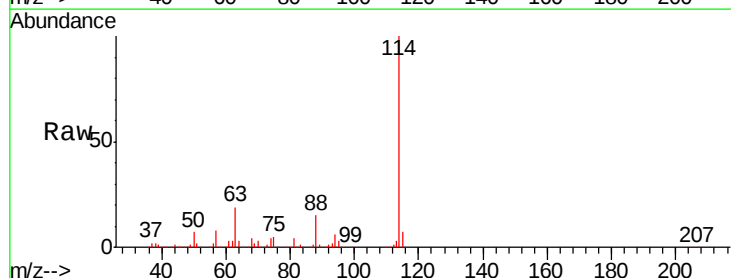
Instrument :  
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 ClientSampleId :  
 SSSI-1011-S-DH-31

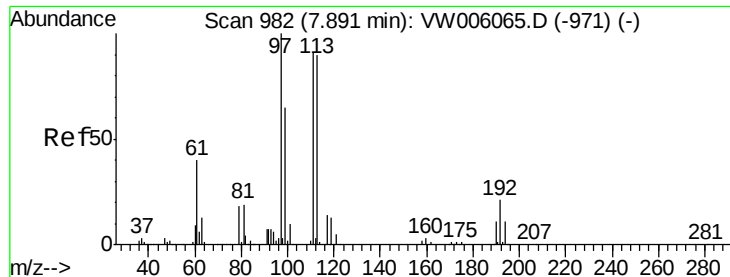
Tgt Ion: 65 Resp: 125578  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006076.D  
 Acq: 16 Oct 2018 14:10

Tgt Ion: 114 Resp: 450629  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 36.8  
 88 14.6 0.0 29.0

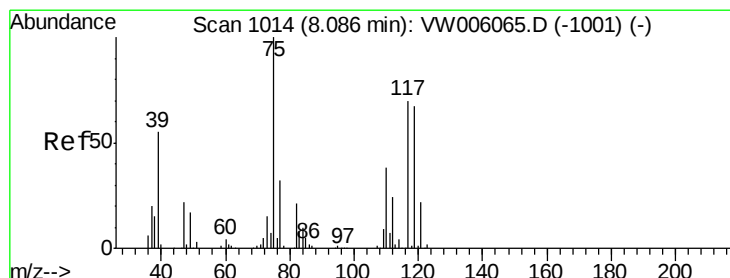
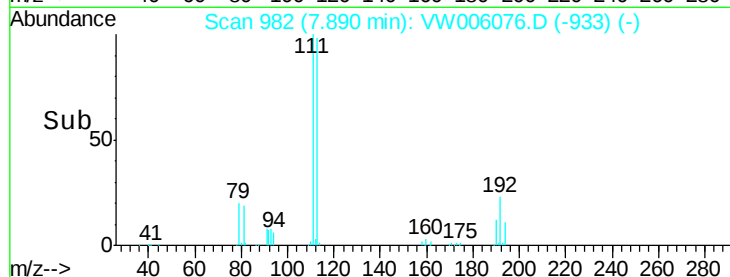
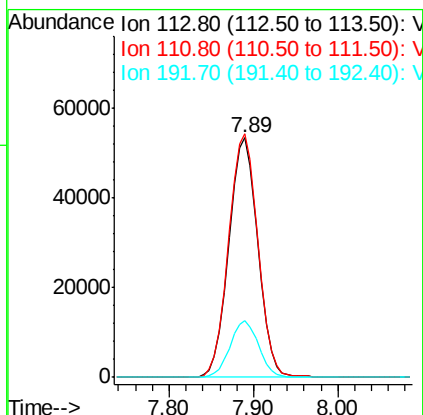
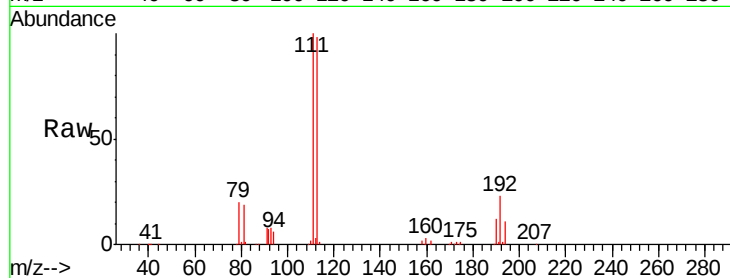




#35  
 Dibromofluoromethane  
 Concen: 46.87 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006076.D  
 Acq: 16 Oct 2018 14:10

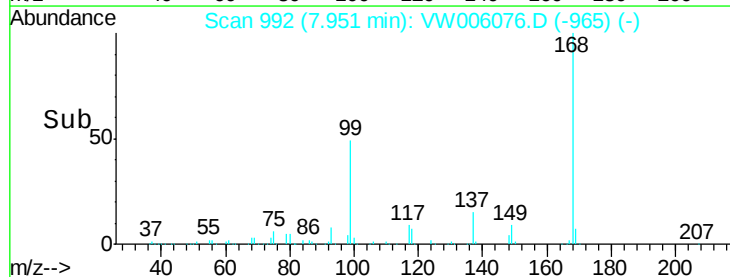
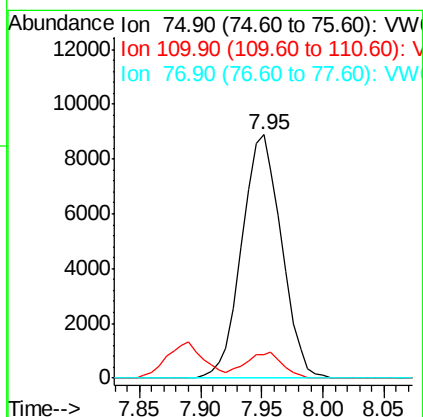
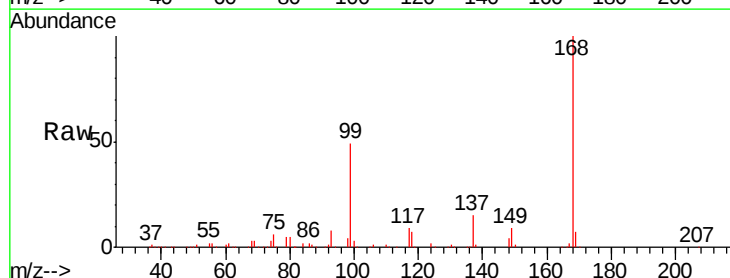
Instrument :  
 MSVOA\_W  
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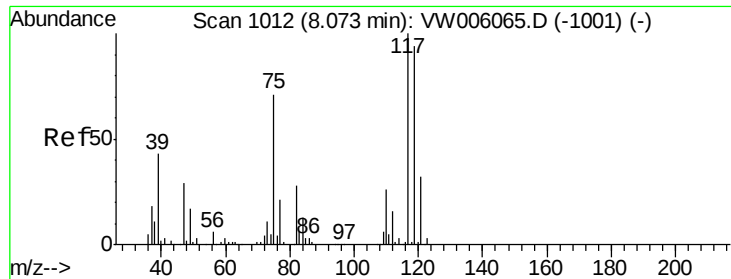
Tgt Ion:113 Resp: 124793  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 81.4 122.0  
 192 23.2 18.7 28.1



#36  
 1,1-Dichloropropene  
 Concen: 4.82 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW006076.D  
 Acq: 16 Oct 2018 14:10

Tgt Ion: 75 Resp: 20034  
 Ion Ratio Lower Upper  
 75 100  
 110 9.8 19.1 57.1#  
 77 0.0 25.0 37.4#

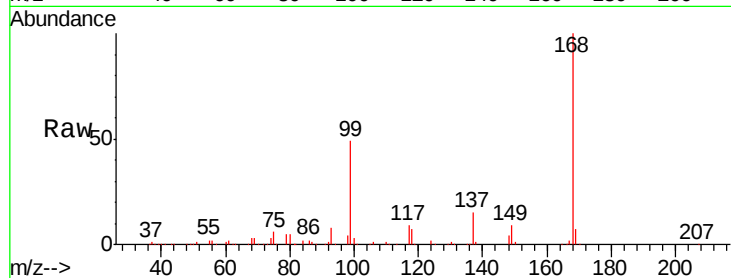




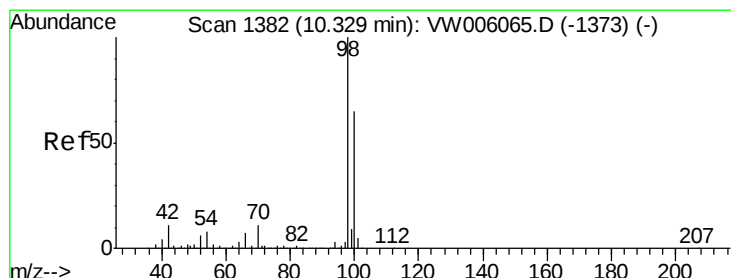
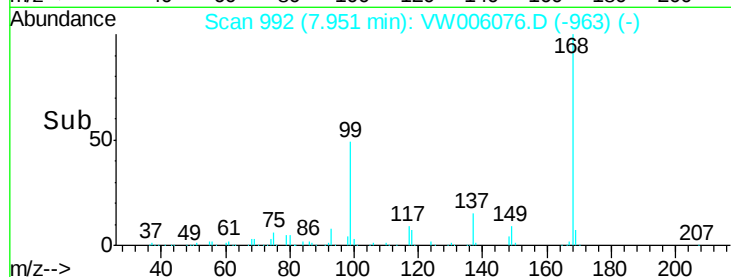
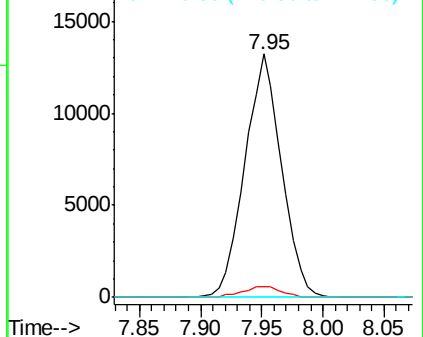
#38  
Carbon Tetrachloride  
Concen: 6.04 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.12 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

Instrument :  
MSVOA\_W  
ClientSampleId :  
SSSI-1011-S-DH-31

Tgt Ion:117 Resp: 27511  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.2 112.8#  
121 0.0 25.3 37.9#

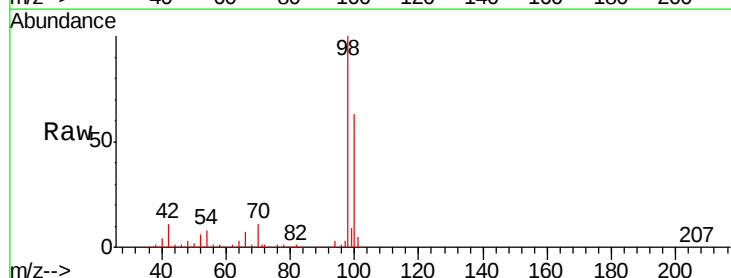


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

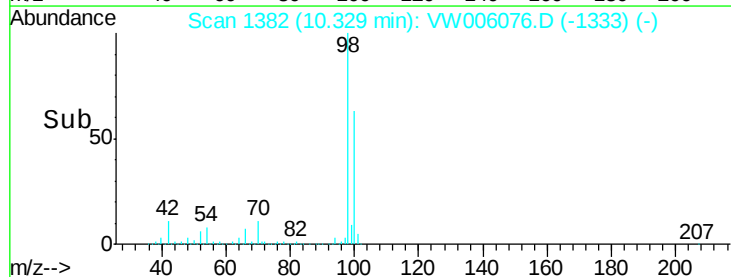
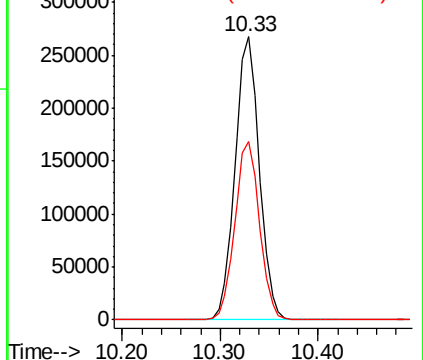


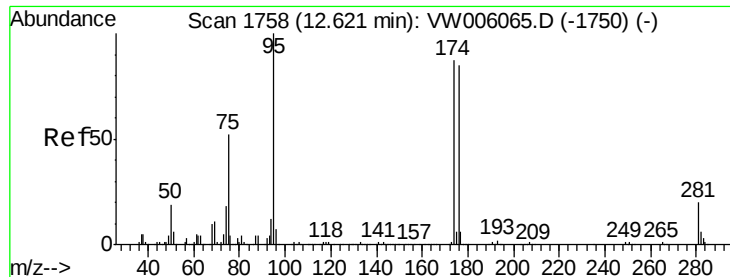
#50  
Toluene-d8  
Concen: 45.45 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

Tgt Ion: 98 Resp: 460441  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW

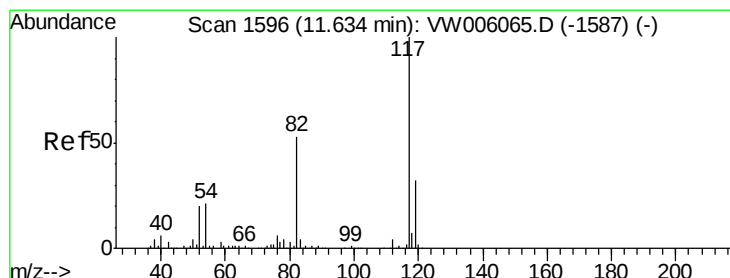
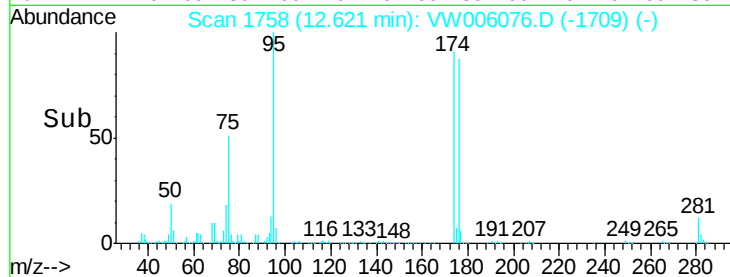
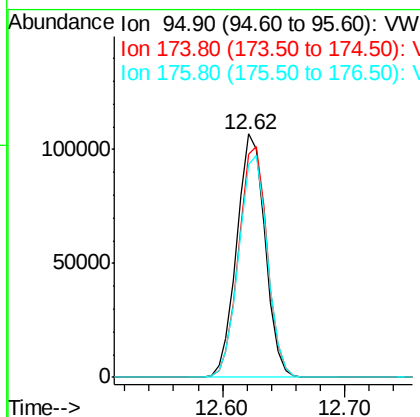
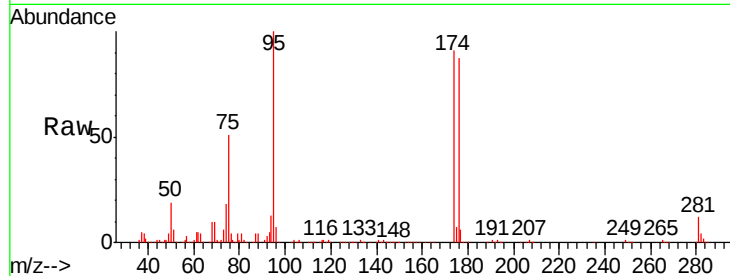




#62  
4-Bromofluorobenzene  
Concen: 45.07 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

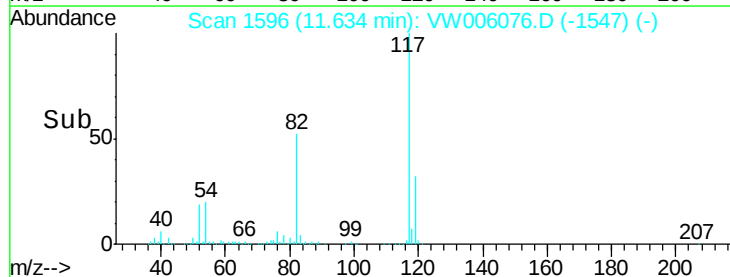
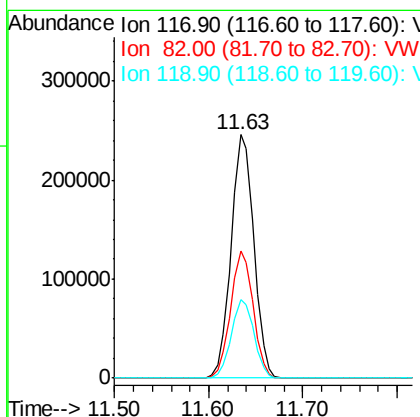
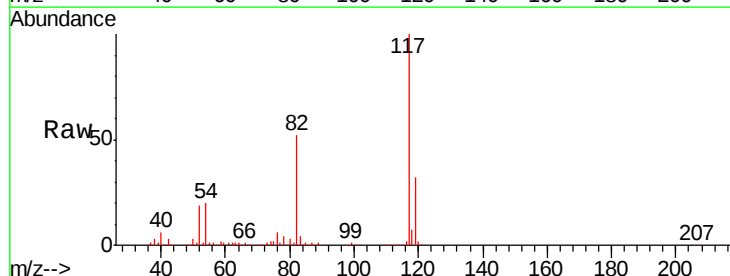
Instrument :  
MSVOA\_W  
ClientSampleId :  
SSSI-1011-S-DH-31

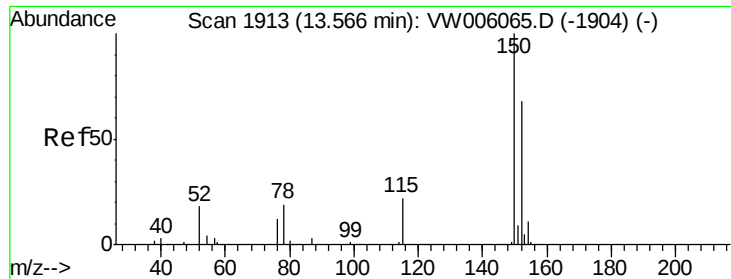
Tgt Ion: 95 Resp: 171498  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 186.0  
176 92.2 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

Tgt Ion: 117 Resp: 410858  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.1 63.1  
119 32.0 25.8 38.6



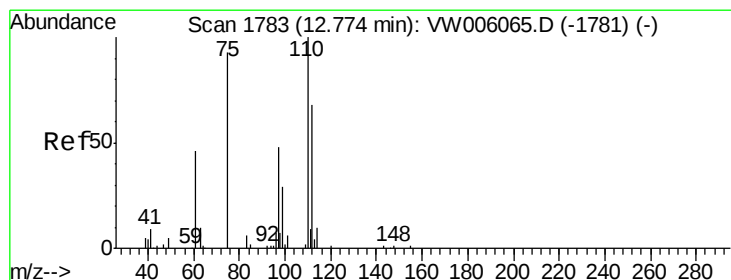
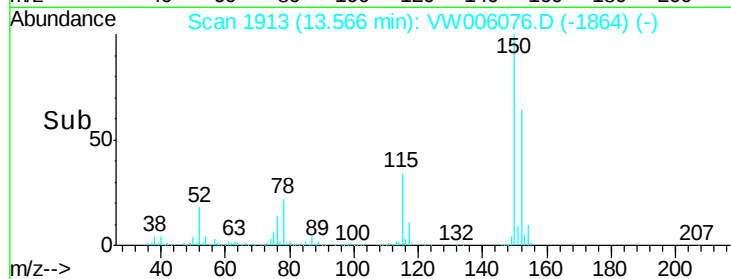
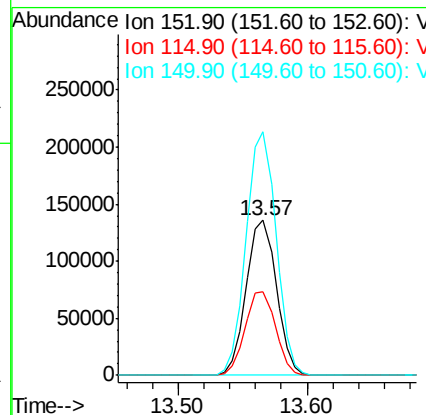
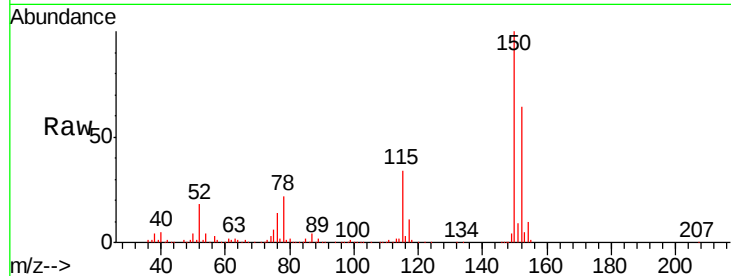


#72

1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

Instrument :  
MSVOA\_W  
ClientSampleId :  
SSSI-1011-S-DH-31

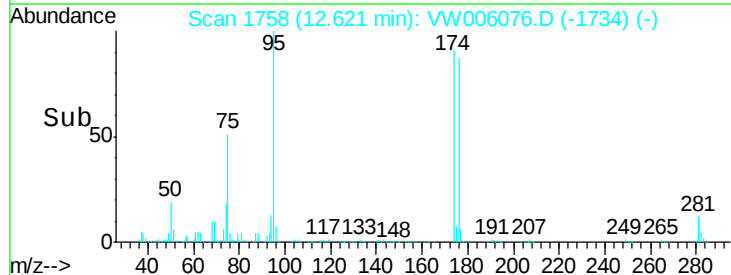
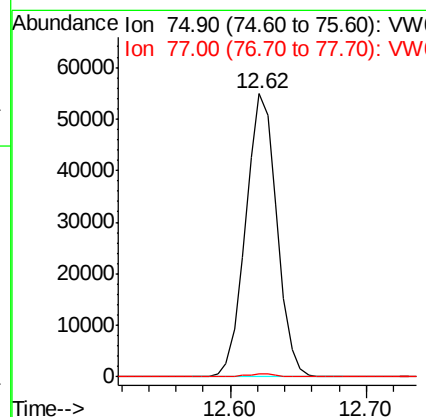
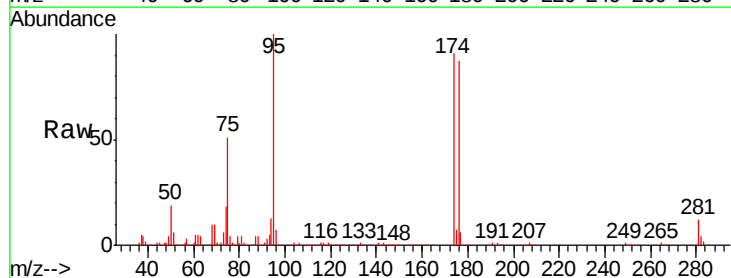
Tgt Ion:152 Resp: 221077  
Ion Ratio Lower Upper  
152 100  
115 54.3 27.8 83.3  
150 155.4 0.0 349.2

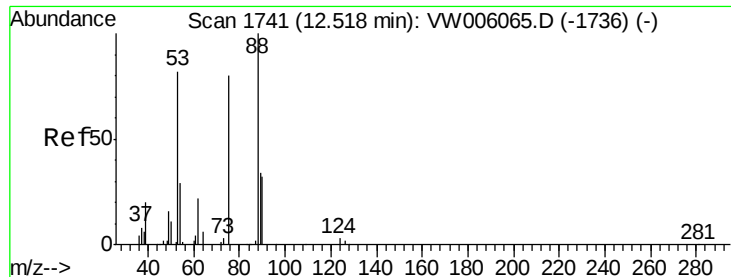


#76

1,2,3-Trichloropropane  
Concen: 52.04 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.15 min  
Lab File: VW006076.D  
Acq: 16 Oct 2018 14:10

Tgt Ion: 75 Resp: 87875  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 124.40 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006076.D

Acq: 16 Oct 2018 14:10

Instrument :

MSVOA\_W

ClientSampleId :

SSSI-1011-S-DH-31

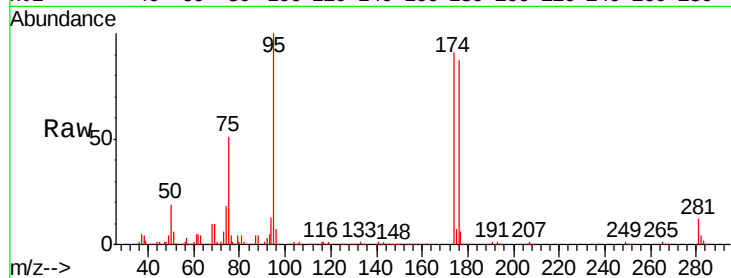
Tgt Ion: 75 Resp: 87875

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

