

Data File : VW006835.D  
Acq On : 13 Nov 2018 05:17  
Operator : SY/AP  
Sample : J5860-07  
Misc : 5.44G/5ML/MSVOA\_W/SOIL  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP2-SB-103(14-16)

Quant Time: Nov 13 07:17:00 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 12 14:58:58 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 349724   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 502291   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 495790   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 253555   | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 135583   | 53.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.06% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 137108   | 45.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.68%  |      |
| 50) Toluene-d8            | 10.33  | 98  | 534974   | 43.15 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.30%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 187778   | 41.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 82.24%  |      |

Target Compounds

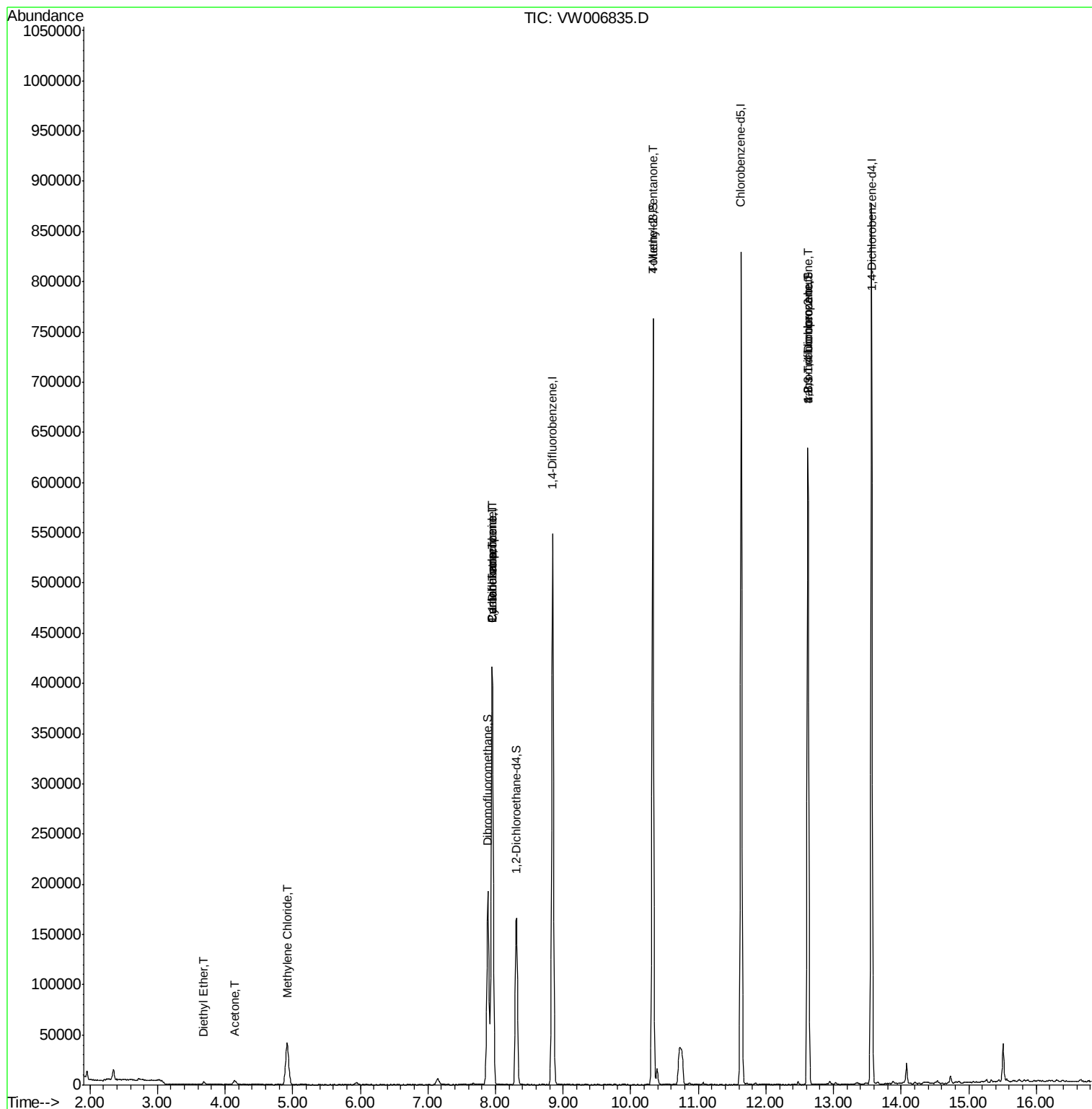
|                                |       |     |       |         |        | Qvalue |
|--------------------------------|-------|-----|-------|---------|--------|--------|
| 8) Diethyl Ether               | 3.68  | 74  | 1382  | 1.021   | ug/l   | 92     |
| 16) Acetone                    | 4.14  | 43  | 8186  | 22.295  | ug/l # | 88     |
| 20) Methylene Chloride         | 4.92  | 84  | 35690 | 6.115   | ug/l   | 98     |
| 31) Cyclohexane                | 7.95  | 56  | 5426  | 1.108   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 20715 | 4.407   | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 30499 | 5.970   | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone       | 10.33 | 43  | 2097  | 1.399   | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75  | 90076 | 49.295  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75  | 90076 | 121.935 | ug/l # | 13     |

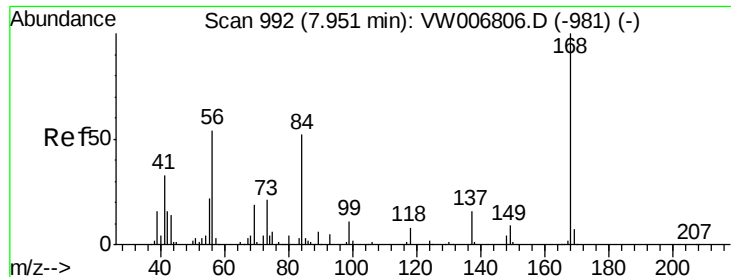
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Nov 12 14:58:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006835.D

Acq: 13 Nov 2018 05:17

Instrument :

MSVOA\_W

ClientSampleId :

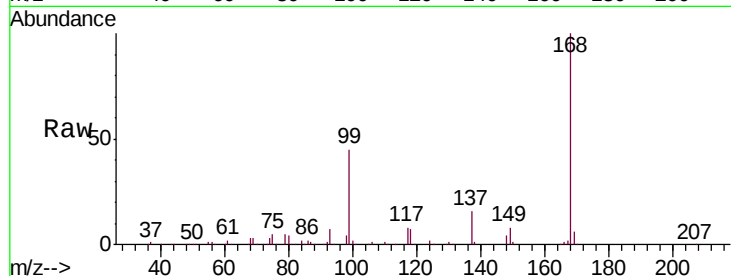
EP2-SB-103(14-16)

Tgt Ion:168 Resp: 349724

Ion Ratio Lower Upper

168 100

99 45.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

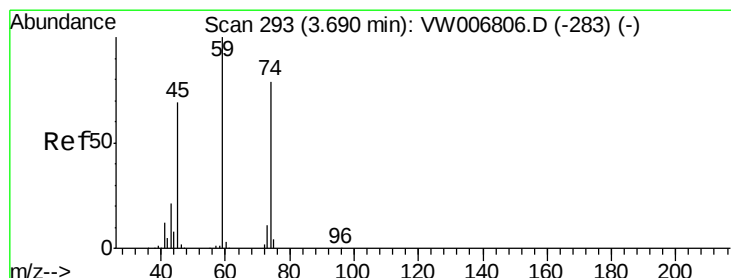
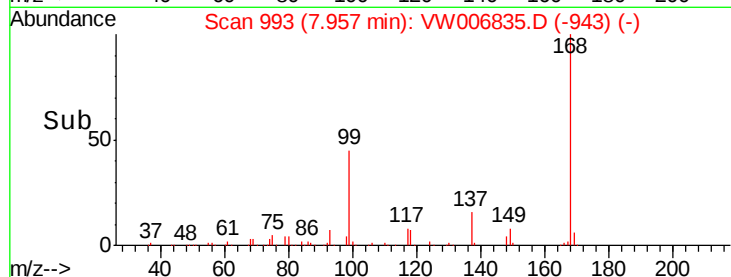
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.021 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW006835.D

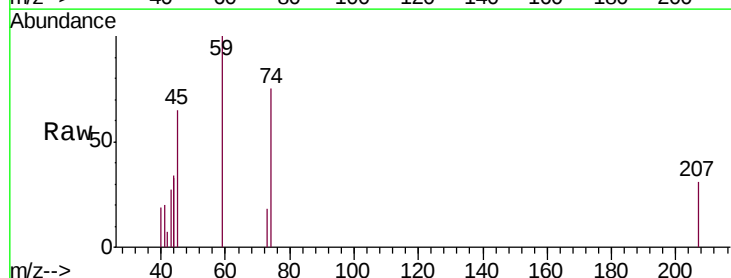
Acq: 13 Nov 2018 05:17

Tgt Ion: 74 Resp: 1382

Ion Ratio Lower Upper

74 100

45 93.8 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

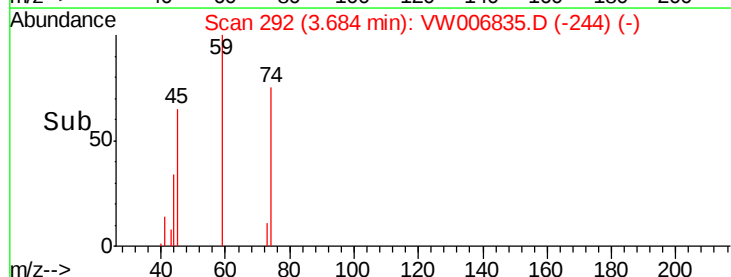
600

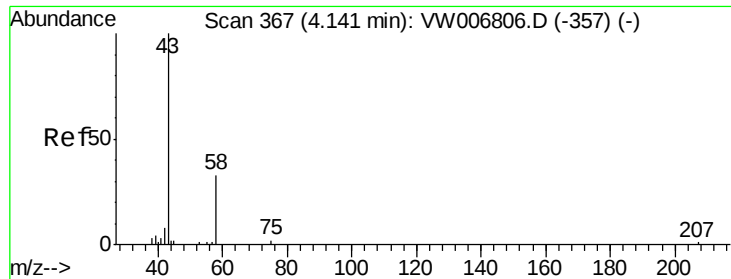
400

200

0

Time-->

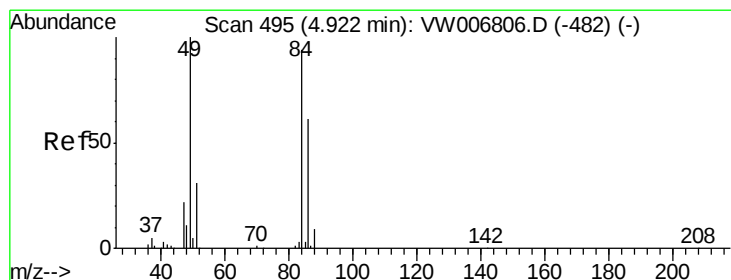
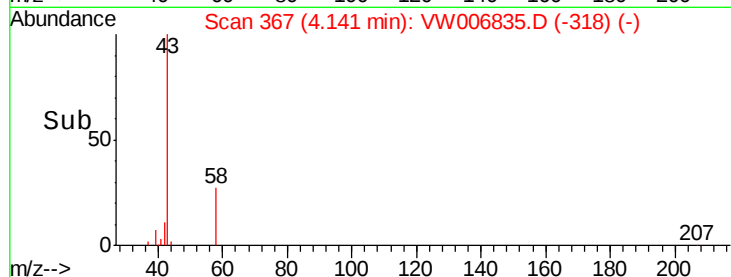
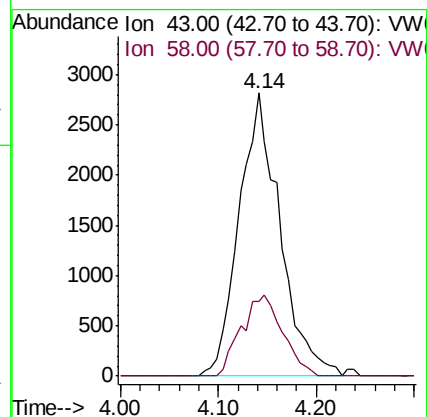
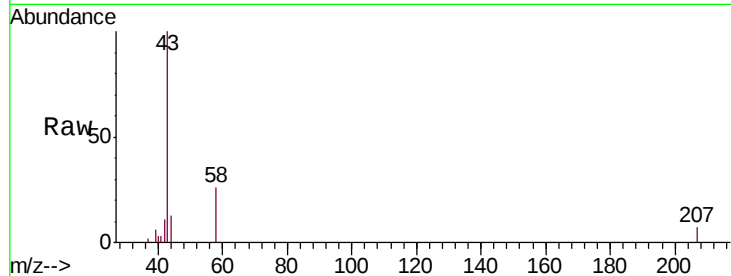




#16  
Acetone  
Concen: 22.295 ug/l  
RT: 4.14 min Scan# 367  
Delta R.T. -0.00 min  
Lab File: VW006835.D  
Acq: 13 Nov 2018 05:17

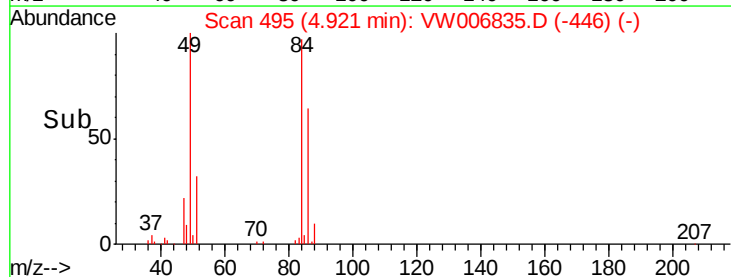
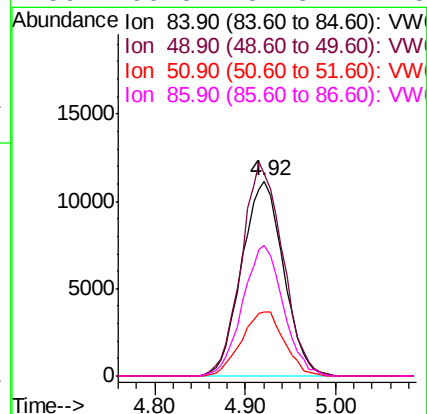
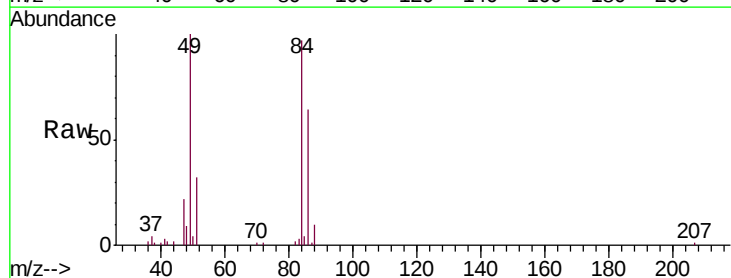
Instrument :  
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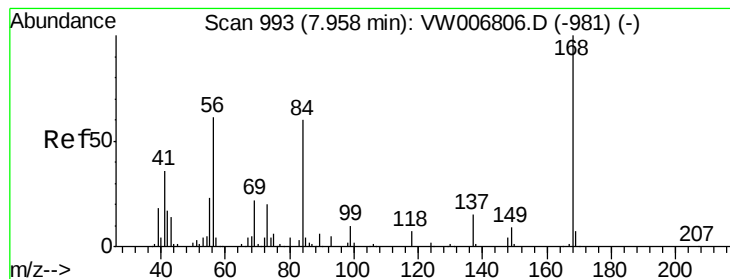
Tgt Ion: 43 Resp: 8186  
Ion Ratio Lower Upper  
43 100  
58 26.4 26.5 39.7#



#20  
Methylene Chloride  
Concen: 6.115 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW006835.D  
Acq: 13 Nov 2018 05:17

Tgt Ion: 84 Resp: 35690  
Ion Ratio Lower Upper  
84 100  
49 103.6 84.8 127.2  
51 32.7 26.2 39.4  
86 66.8 51.8 77.8





#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006835.D

Acq: 13 Nov 2018 05:17

Instrument :

MSVOA\_W

ClientSampleId :

EP2-SB-103(14-16)

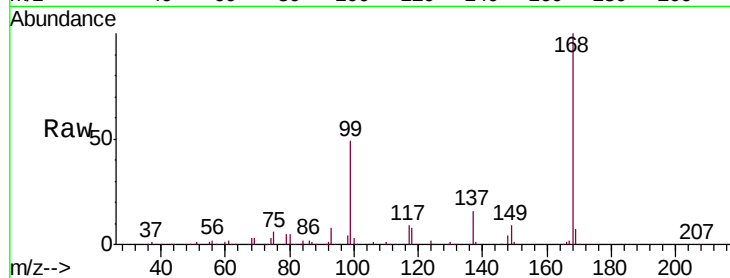
Tgt Ion: 56 Resp: 5426

Ion Ratio Lower Upper

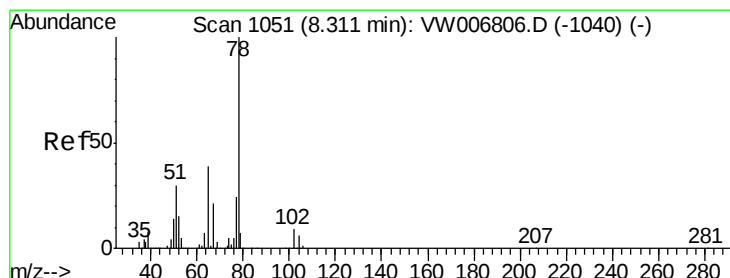
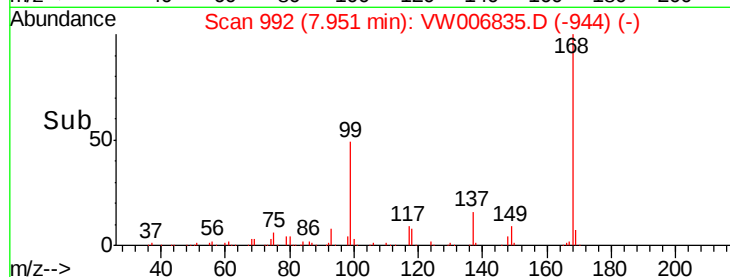
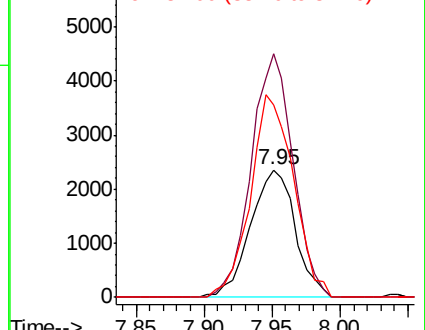
56 100

69 190.9 28.9 43.3#

84 150.8 79.0 118.4#



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: 53.033 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006835.D

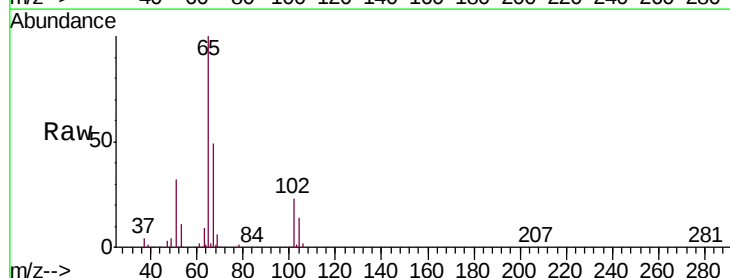
Acq: 13 Nov 2018 05:17

Tgt Ion: 65 Resp: 135583

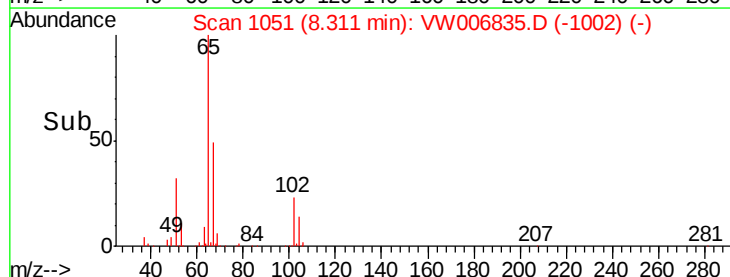
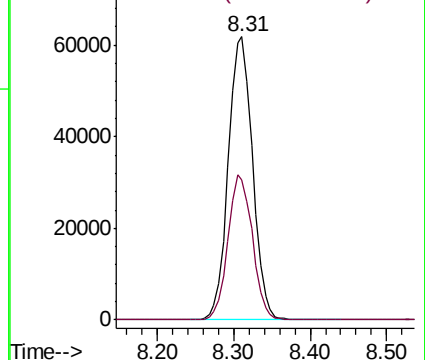
Ion Ratio Lower Upper

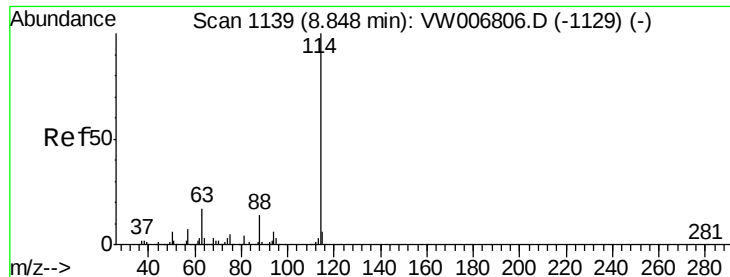
65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

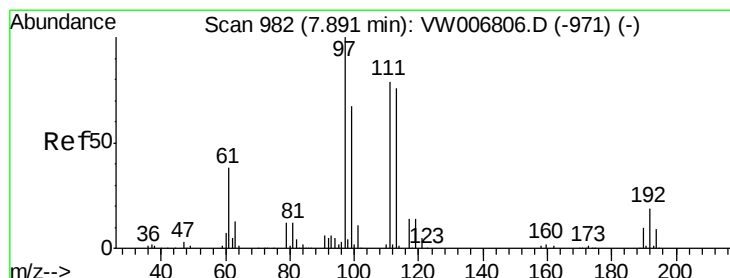
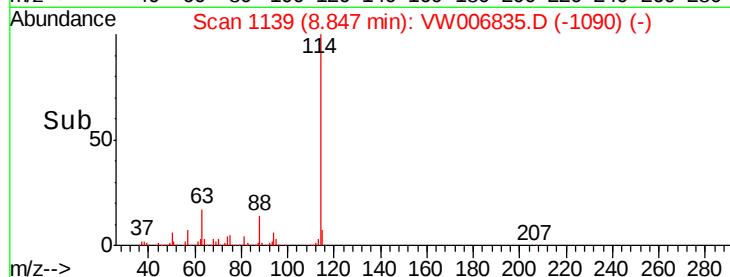
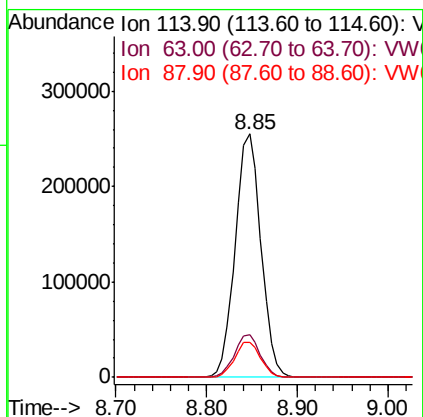
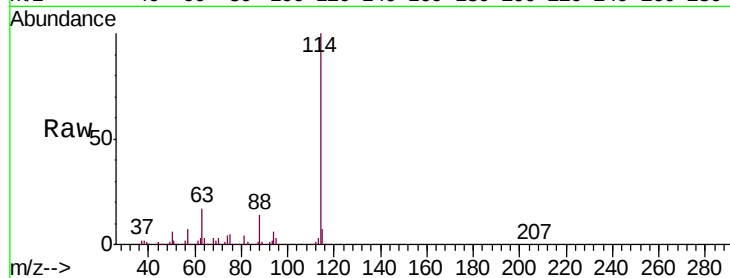




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006835.D  
 Acq: 13 Nov 2018 05:17

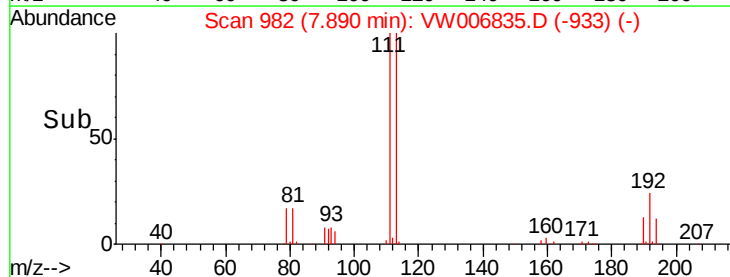
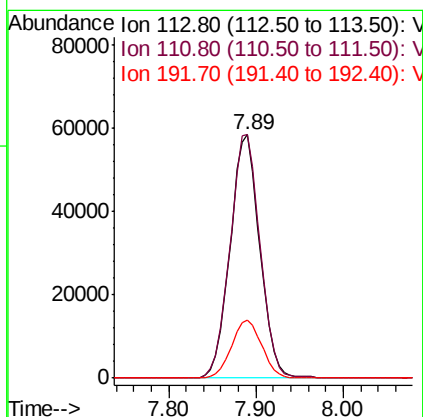
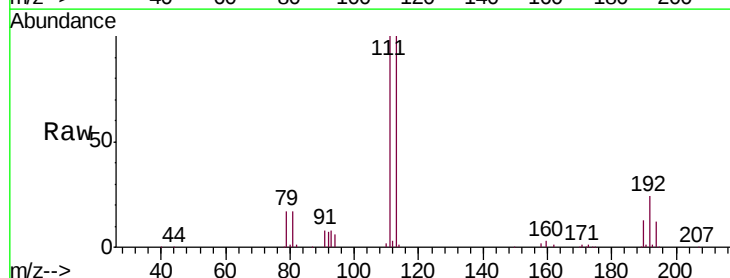
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EP2-SB-103(14-16)

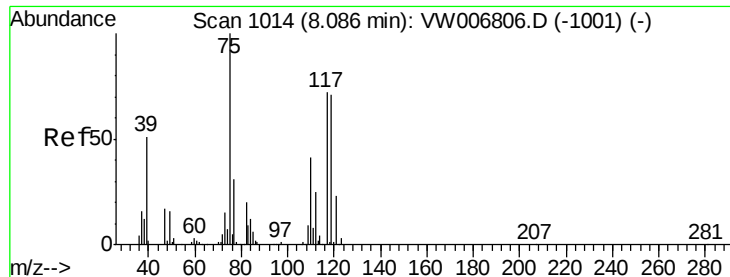
Tgt Ion:114 Resp: 502291  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 33.6  
 88 14.3 0.0 28.4



#35  
 Dibromofluoromethane  
 Concen: 45.840 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006835.D  
 Acq: 13 Nov 2018 05:17

Tgt Ion:113 Resp: 137108  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 81.0 121.6  
 192 24.2 19.0 28.6

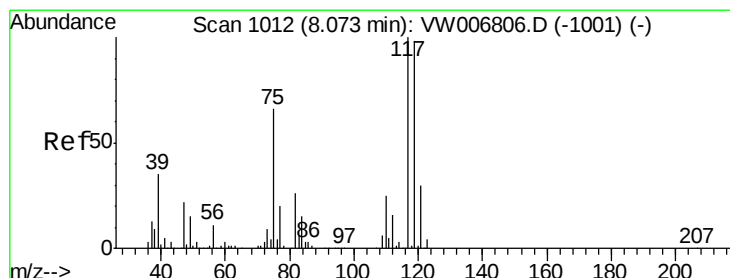
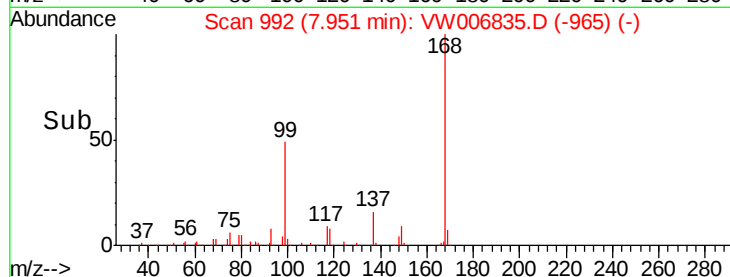
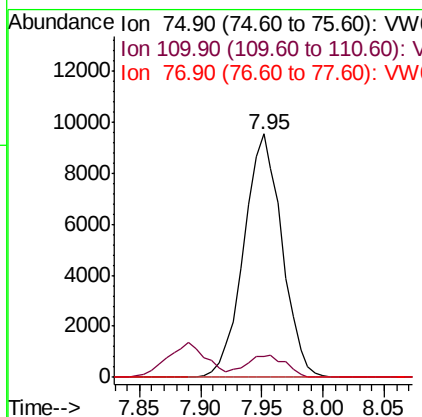
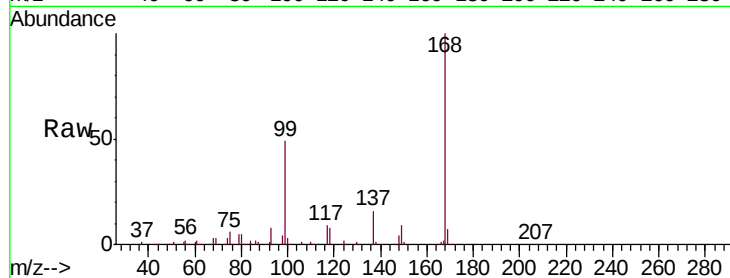




#36  
 1,1-Dichloropropene  
 Concen: 4.407 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW006835.D  
 Acq: 13 Nov 2018 05:17

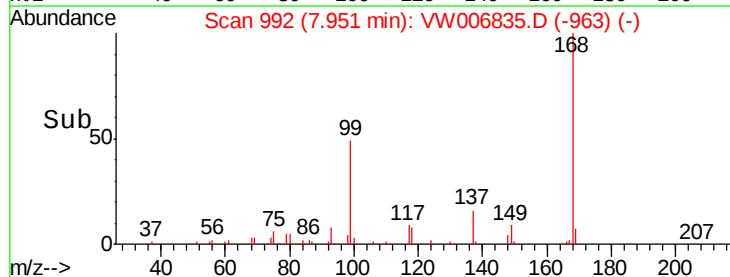
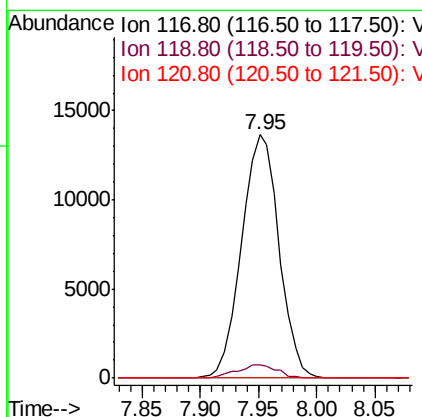
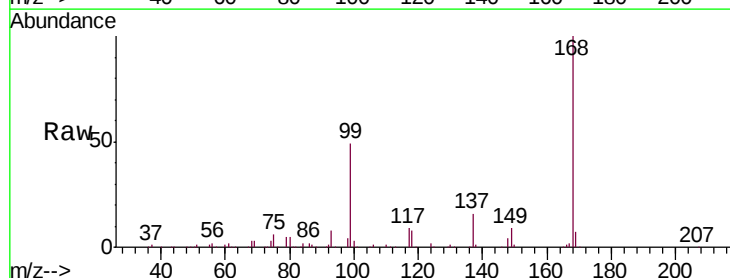
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EP2-SB-103(14-16)

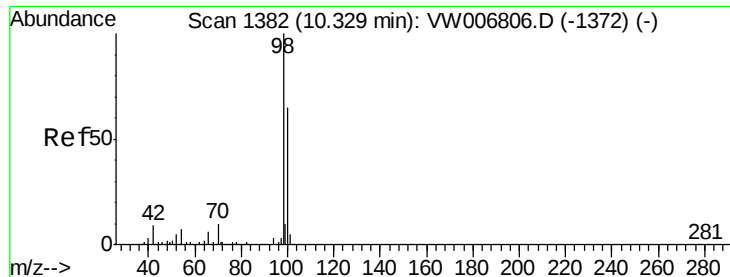
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.5   | 19.9  | 59.6# |
| 77      | 0.0   | 25.4  | 38.2# |



#38  
 Carbon Tetrachloride  
 Concen: 5.970 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW006835.D  
 Acq: 13 Nov 2018 05:17

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.6   | 78.5  | 117.7# |
| 121     | 0.0   | 24.2  | 36.2#  |





#50

Toluene-d8

Concen: 43.153 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006835.D

Acq: 13 Nov 2018 05:17

Instrument :

MSVOA\_W

ClientSampleId :

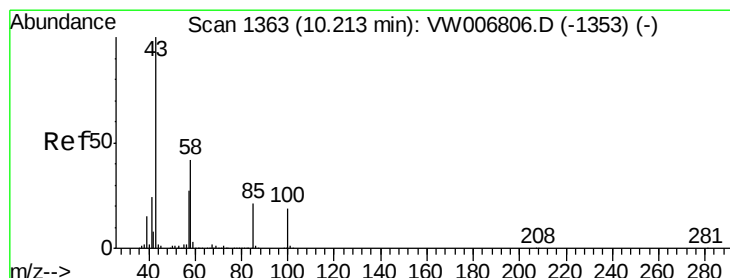
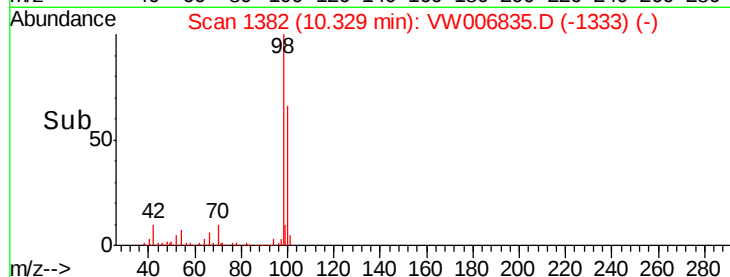
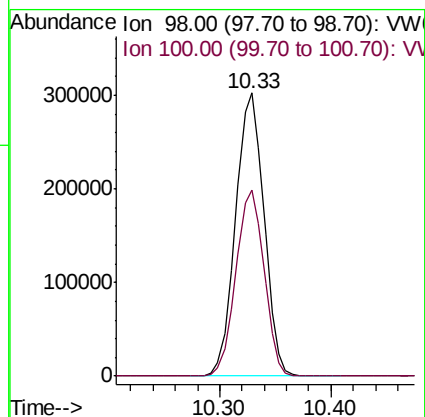
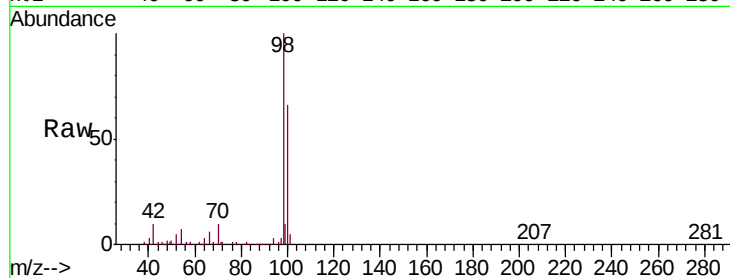
EP2-SB-103(14-16)

Tgt Ion: 98 Resp: 534974

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.2



#51

4-Methyl-2-Pentanone

Concen: 1.399 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW006835.D

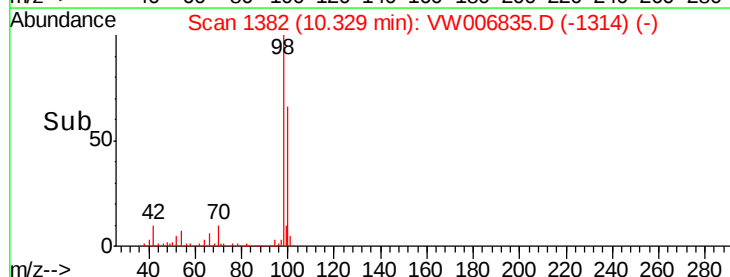
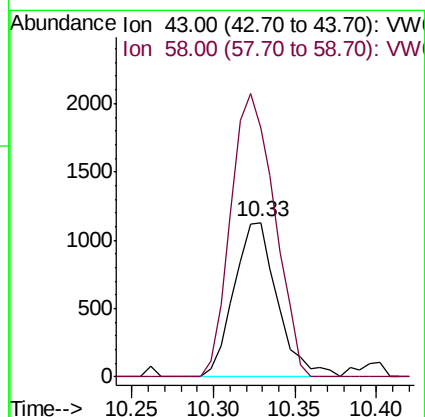
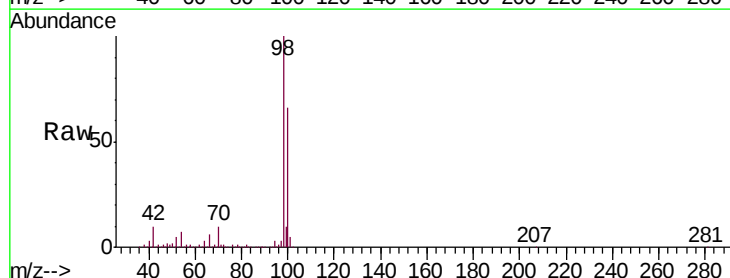
Acq: 13 Nov 2018 05:17

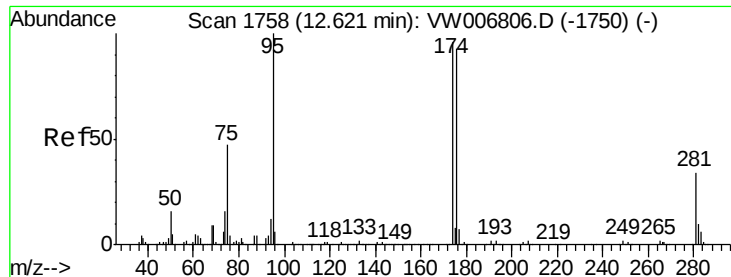
Tgt Ion: 43 Resp: 2097

Ion Ratio Lower Upper

43 100

58 184.6 34.0 51.0#

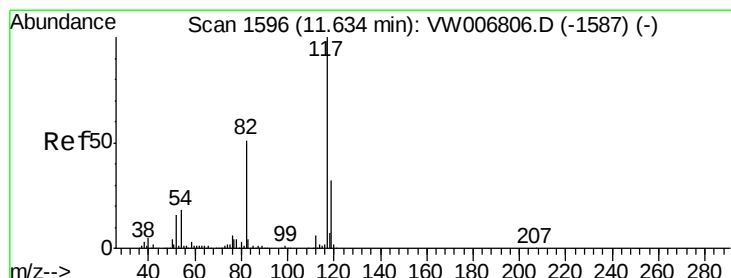
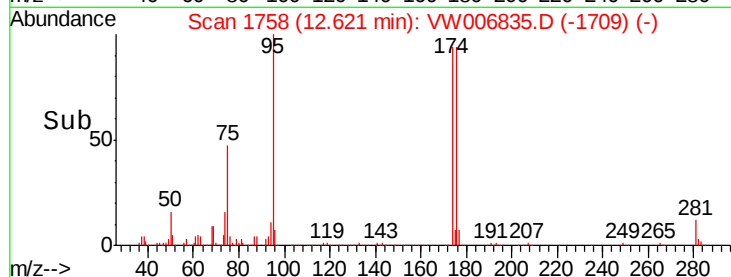
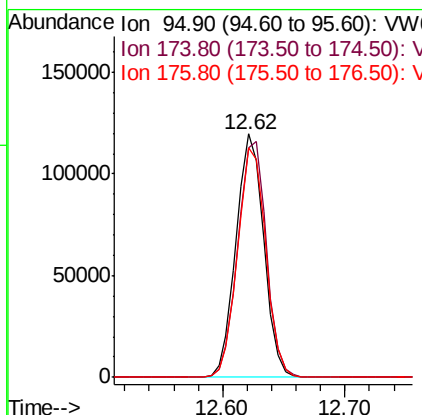
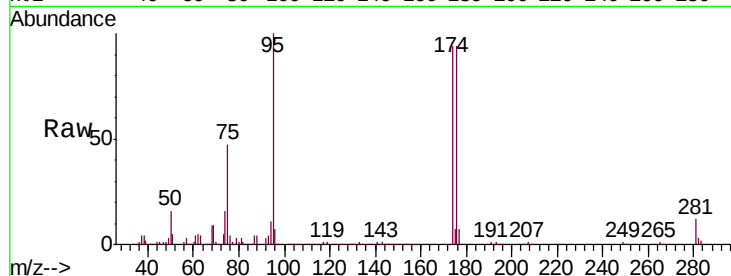




#62  
4-Bromofluorobenzene  
Concen: 41.125 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006835.D  
Acq: 13 Nov 2018 05:17

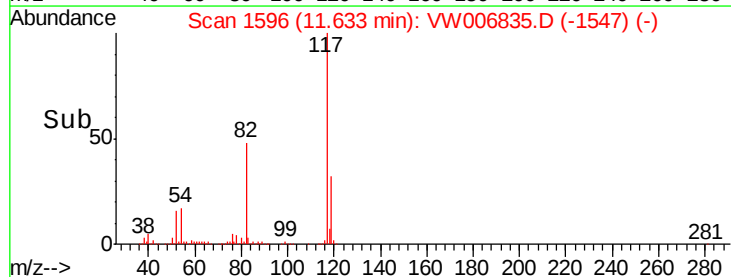
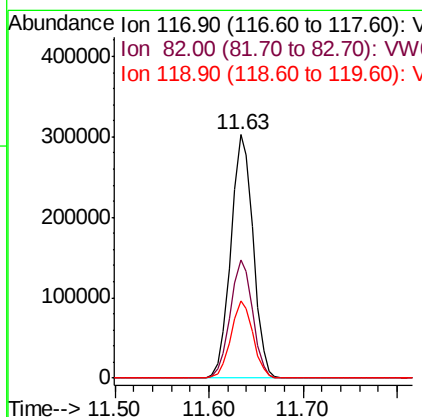
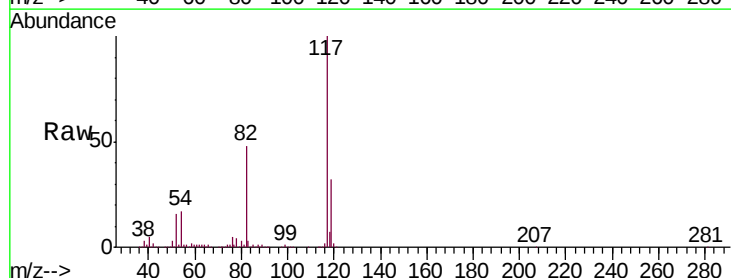
Instrument :  
MSVOA\_W  
ClientSampleId :  
EP2-SB-103(14-16)

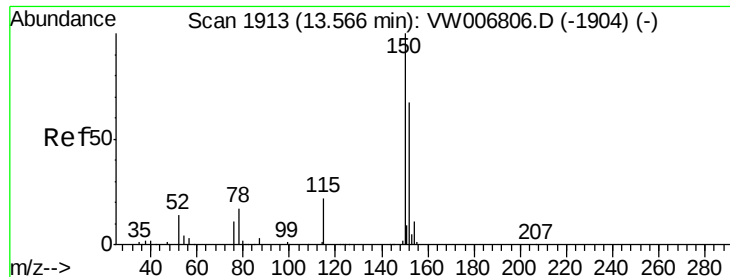
Tgt Ion: 95 Resp: 187778  
Ion Ratio Lower Upper  
95 100  
174 99.8 0.0 196.6  
176 95.9 0.0 191.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006835.D  
Acq: 13 Nov 2018 05:17

Tgt Ion: 117 Resp: 495790  
Ion Ratio Lower Upper  
117 100  
82 48.4 40.6 61.0  
119 32.0 25.5 38.3

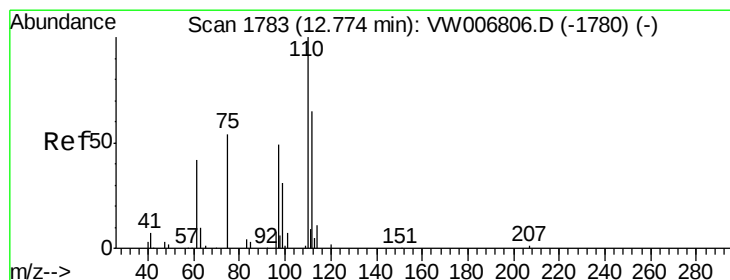
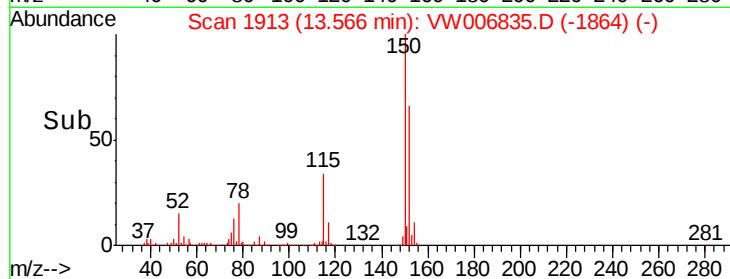
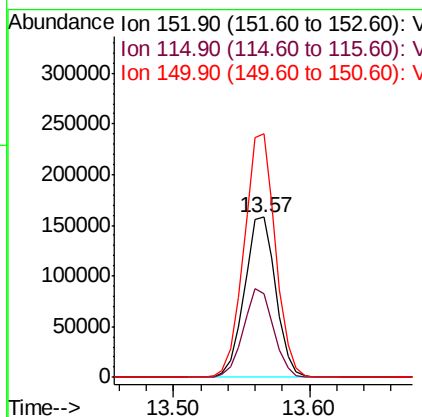
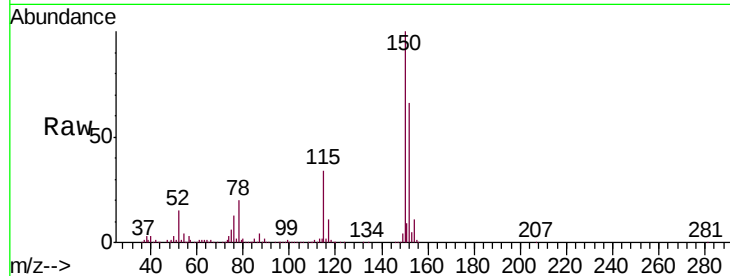




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1913  
 Delta R.T. -0.00 min  
 Lab File: VW006835.D  
 Acq: 13 Nov 2018 05:17

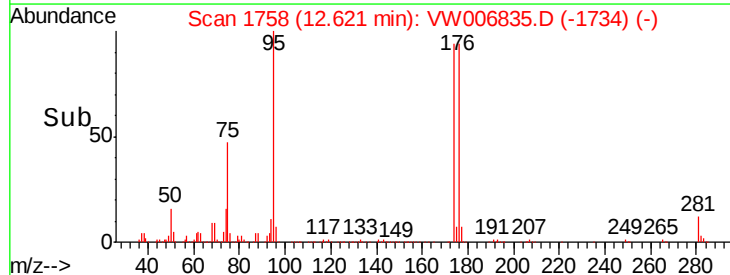
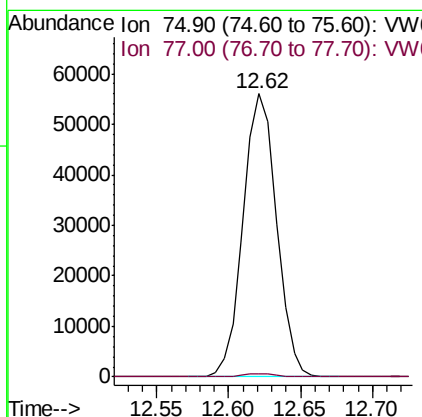
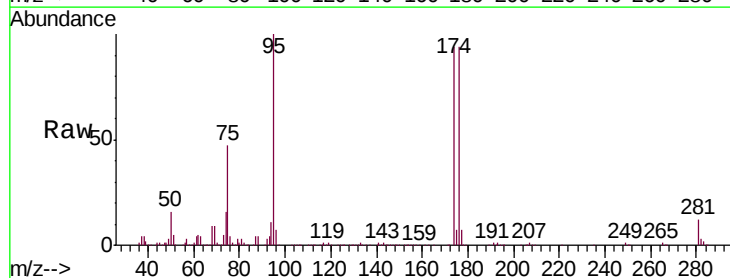
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EP2-SB-103(14-16)

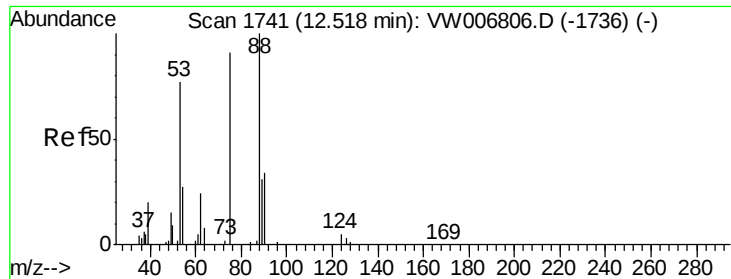
Tgt Ion:152 Resp: 253555  
 Ion Ratio Lower Upper  
 152 100  
 115 53.5 27.3 81.8  
 150 152.3 0.0 353.0



#76  
 1,2,3-Trichloropropane  
 Concen: 49.295 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.15 min  
 Lab File: VW006835.D  
 Acq: 13 Nov 2018 05:17

Tgt Ion: 75 Resp: 90076  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 121.935 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006835.D

Acq: 13 Nov 2018 05:17

Instrument :

MSVOA\_W

ClientSampleId :

EP2-SB-103(14-16)

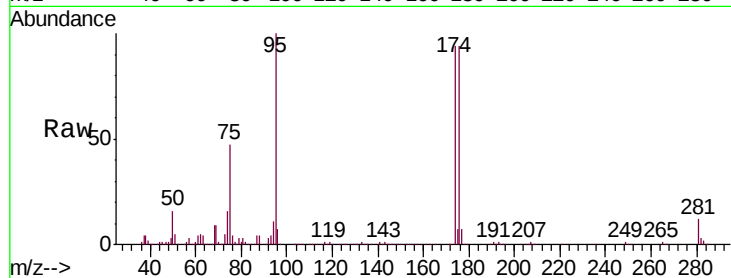
Tgt Ion: 75 Resp: 90076

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 38.7 58.1#



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

