

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW110118\  
 Data File : VW006525.D  
 Acq On : 31 Oct 2018 14:52  
 Operator : SY/AP  
 Sample : J5711-03  
 Misc : 6.21G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3

Quant Time: Oct 31 15:32:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 102778   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 146360   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 132779   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 68646    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 54507    | 63.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 127.94% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 54031    | 62.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 124.96% |      |
| 50) Toluene-d8            | 10.32  | 98  | 225652   | 68.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 137.16% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 77133    | 62.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 124.84% |      |

## Target Compounds

|                            |       |     |        |        |        | Qvalue |
|----------------------------|-------|-----|--------|--------|--------|--------|
| 3) Chloromethane           | 2.18  | 50  | 1208   | 1.85   | ug/l # | 62     |
| 11) Tert butyl alcohol     | 5.17  | 59  | 6629   | 115.68 | ug/l # | 71     |
| 13) Acrolein               | 3.84  | 56  | 5666   | 102.18 | ug/l # | 1      |
| 14) Allyl chloride         | 4.75  | 41  | 23593  | 19.21  | ug/l # | 74     |
| 15) Acrylonitrile          | 5.43  | 53  | 6608   | 39.80  | ug/l # | 39     |
| 16) Acetone                | 4.12  | 43  | 20211  | 118.65 | ug/l # | 83     |
| 17) Carbon Disulfide       | 4.38  | 76  | 2738   | 1.06   | ug/l   | 97     |
| 18) Methyl Acetate         | 4.74  | 43  | 16586  | 38.68  | ug/l # | 49     |
| 20) Methylene Chloride     | 4.91  | 84  | 12255  | 12.37  | ug/l   | 89     |
| 23) Vinyl Acetate          | 6.23  | 43  | 1938   | 1.35   | ug/l # | 70     |
| 25) 2-Butanone             | 7.18  | 43  | 3473   | 15.09  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene | 7.17  | 96  | 1792   | 1.69   | ug/l   | 83     |
| 29) Tetrahydrofuran        | 7.52  | 42  | 305    | 2.16   | ug/l # | 31     |
| 31) Cyclohexane            | 7.96  | 56  | 199260 | 127.80 | ug/l   | 94     |
| 36) 1,1-Dichloropropene    | 7.95  | 75  | 6424   | 4.76   | ug/l # | 48     |
| 37) Ethyl Acetate          | 7.18  | 43  | 3473   | 6.93   | ug/l # | 20     |
| 38) Carbon Tetrachloride   | 7.95  | 117 | 8705   | 5.89   | ug/l # | 17     |
| 39) Methylcyclohexane      | 9.34  | 83  | 323513 | 180.41 | ug/l   | 99     |
| 40) Benzene                | 8.32  | 78  | 560353 | 151.43 | ug/l   | 98     |
| 41) Methacrylonitrile      | 7.53  | 41  | 1092   | 3.61   | ug/l # | 36     |
| 43) Isopropyl Acetate      | 8.42  | 43  | 18969  | 18.51  | ug/l # | 50     |
| 45) 1,2-Dichloropropane    | 9.33  | 63  | 2966   | 3.35   | ug/l # | 1      |
| 47) Bromodichloromethane   | 9.61  | 83  | 3771   | 3.08   | ug/l # | 35     |
| 48) Methyl methacrylate    | 9.52  | 41  | 21503  | 44.27  | ug/l # | 46     |
| 51) 4-Methyl-2-Pentanone   | 10.32 | 43  | 8456   | 16.47  | ug/l # | 69     |
| 52) Toluene                | 10.39 | 92  | 418513 | 168.69 | ug/l   | 99     |
| 53) t-1,3-Dichloropropene  | 10.38 | 75  | 4910   | 4.03   | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane  | 10.76 | 97  | 36290  | 51.38  | ug/l # | 22     |
| 56) Ethyl methacrylate     | 10.66 | 69  | 15564  | 17.98  | ug/l # | 25     |
| 59) 2-Hexanone             | 10.94 | 43  | 29085  | 79.35  | ug/l # | 30     |
| 67) Ethyl Benzene          | 11.73 | 91  | 177212 | 35.97  | ug/l   | 100    |
| 68) m/p-Xylenes            | 11.84 | 106 | 188108 | 96.61  | ug/l   | 98     |
| 69) o-Xylene               | 12.17 | 106 | 64882  | 34.97  | ug/l   | 97     |
| 70) Styrene                | 12.17 | 104 | 3524   | 1.17   | ug/l # | 1      |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3

Quant Time: Oct 31 15:32:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

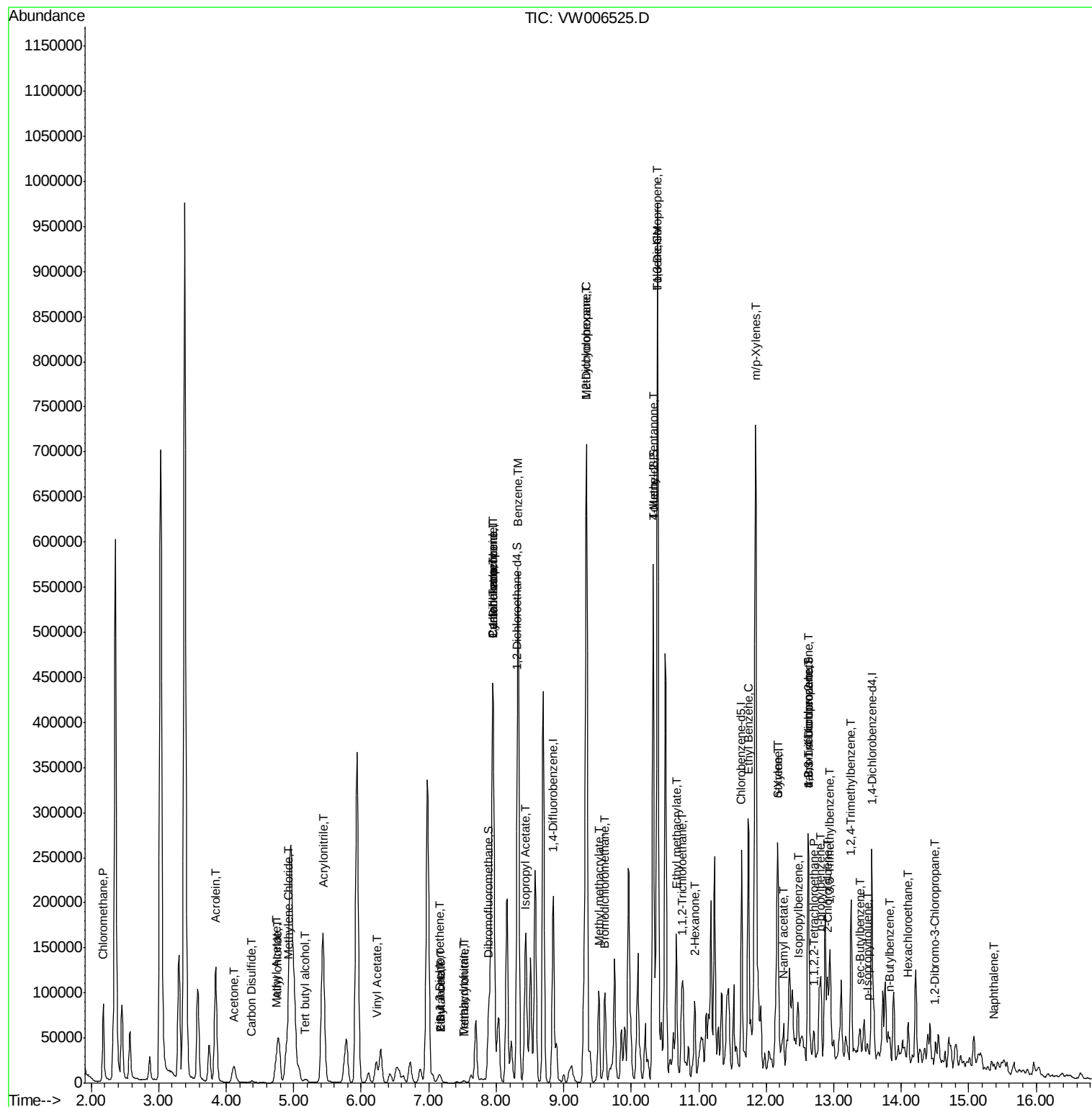
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 73) Isopropylbenzene           | 12.47 | 105  | 38991    | 8.04   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.26 | 43   | 8666     | 9.20   | ug/l # | 54       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.69 | 83   | 1764     | 2.39   | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 36363    | 69.35  | ug/l # | 100      |
| 78) n-propylbenzene            | 12.81 | 91   | 62571    | 11.09  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 4197     | 1.32   | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 28971    | 7.09   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 36363    | 165.78 | ug/l # | 11       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 98813    | 23.89  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 17140    | 3.32   | ug/l # | 63       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 6677     | 1.43   | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.83 | 91   | 14239    | 3.33   | ug/l # | 80       |
| 90) Hexachloroethane           | 14.11 | 117  | 2490     | 3.15   | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 175      | 1.33   | ug/l # | 2        |
| 95) Naphthalene                | 15.38 | 128  | 8664     | 3.21   | ug/l # | 89       |
| -----                          |       |      |          |        |        |          |

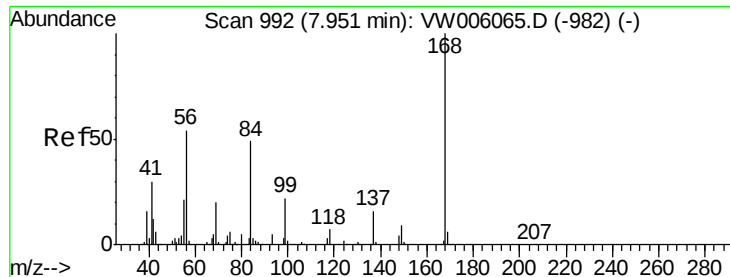
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Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

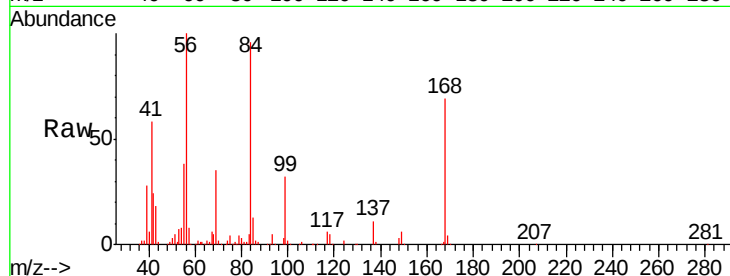
SB-3

Tgt Ion:168 Resp: 102778

Ion Ratio Lower Upper

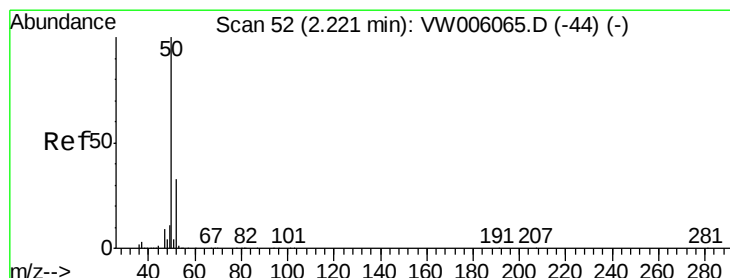
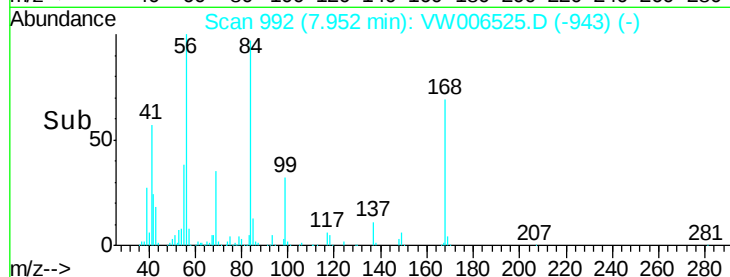
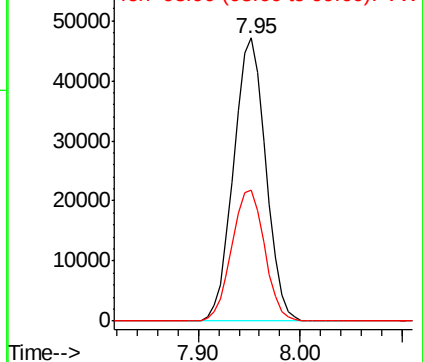
168 100

99 46.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.85 ug/l

RT: 2.18 min Scan# 45

Delta R.T. -0.04 min

Lab File: VW006525.D

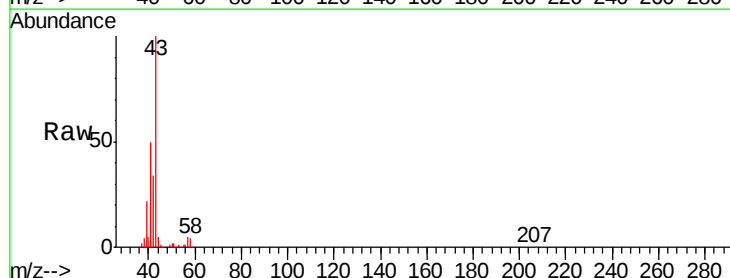
Acq: 31 Oct 2018 14:52

Tgt Ion: 50 Resp: 1208

Ion Ratio Lower Upper

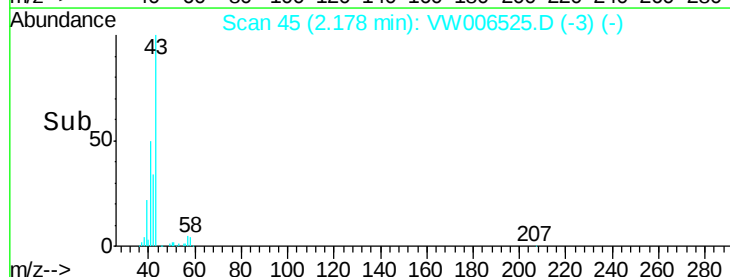
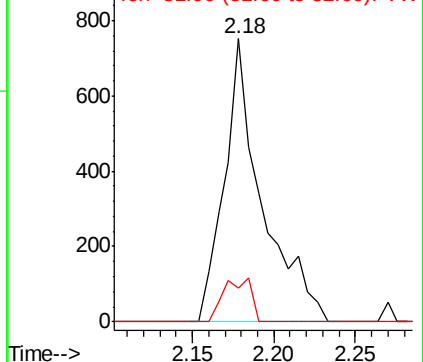
50 100

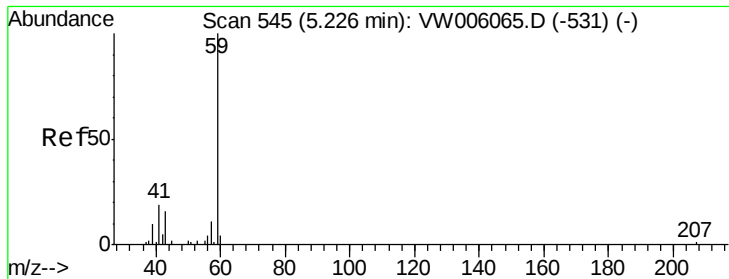
52 11.7 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

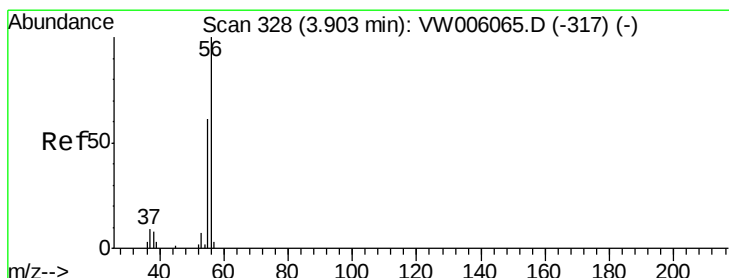
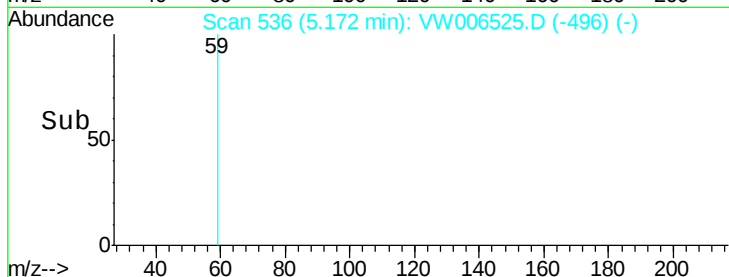
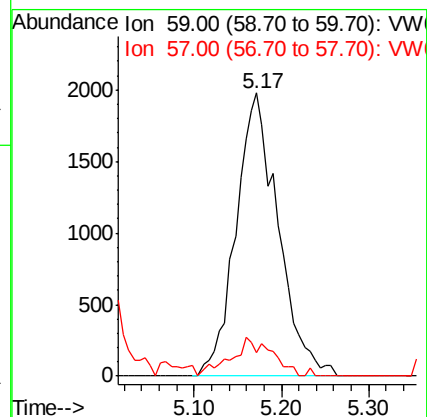
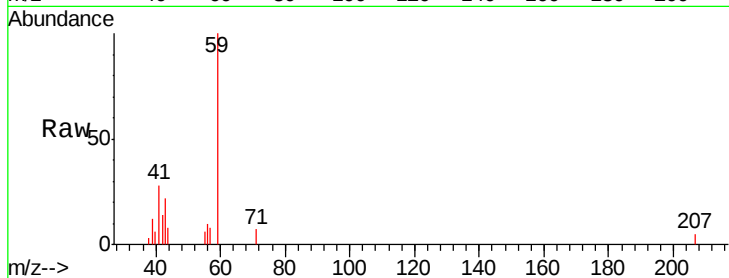




#11  
Tert butyl alcohol  
Concen: 115.68 ug/l  
RT: 5.17 min Scan# 536  
Delta R.T. -0.05 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

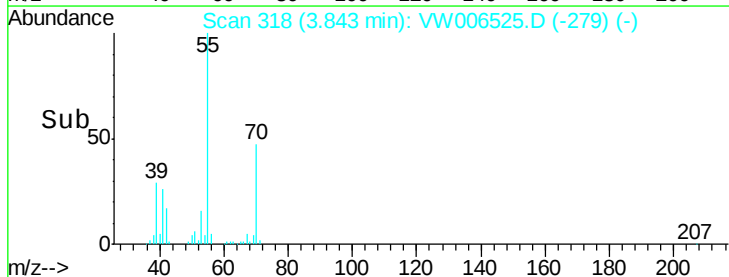
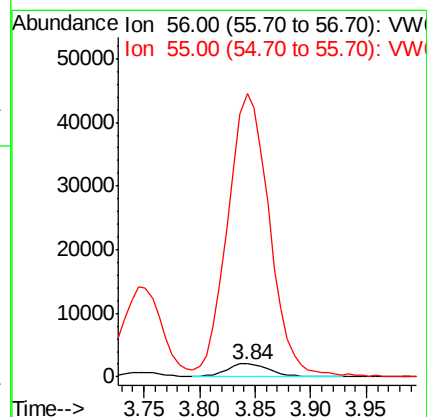
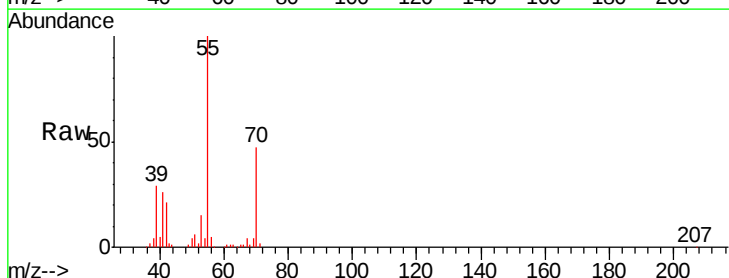
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-3

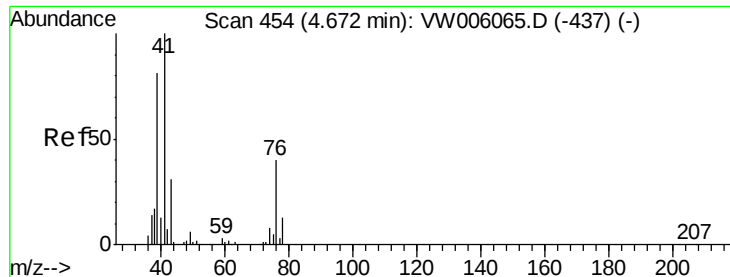
Tgt Ion: 59 Resp: 6629  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#



#13  
Acrolein  
Concen: 102.18 ug/l  
RT: 3.84 min Scan# 318  
Delta R.T. -0.06 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

Tgt Ion: 56 Resp: 5666  
Ion Ratio Lower Upper  
56 100  
55 2033.2 54.5 81.7#

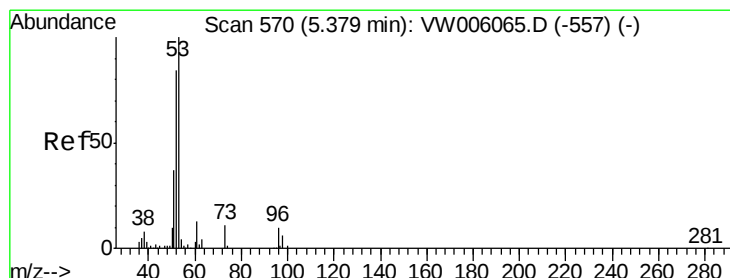
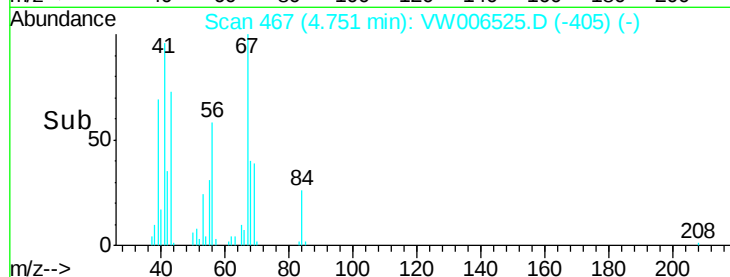
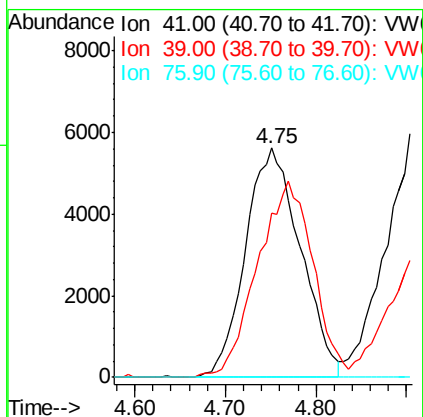
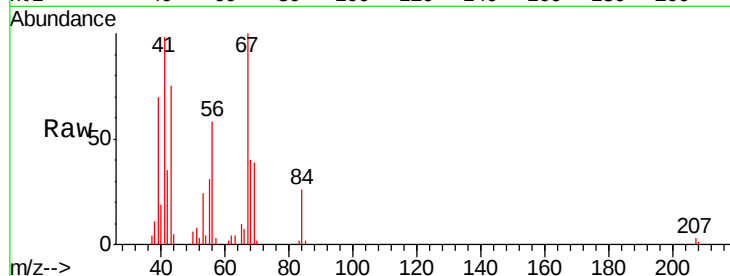




#14  
 Allyl chloride  
 Concen: 19.21 ug/l  
 RT: 4.75 min Scan# 467  
 Delta R.T. 0.08 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

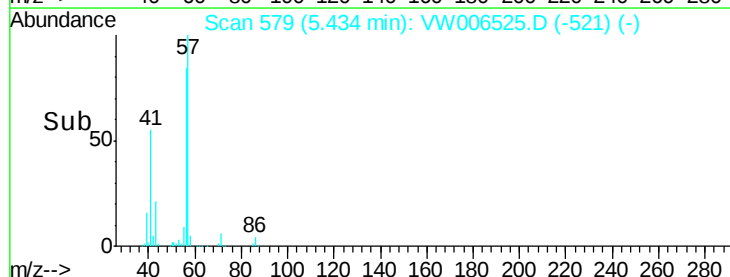
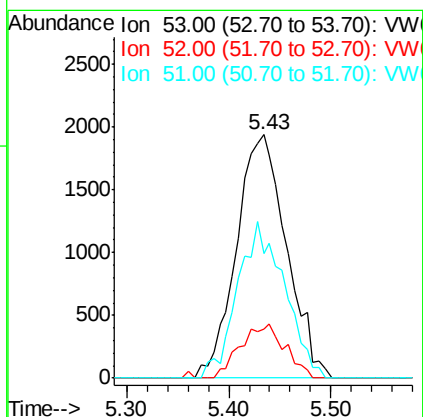
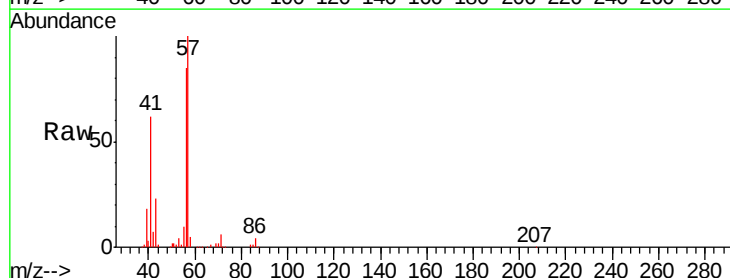
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3

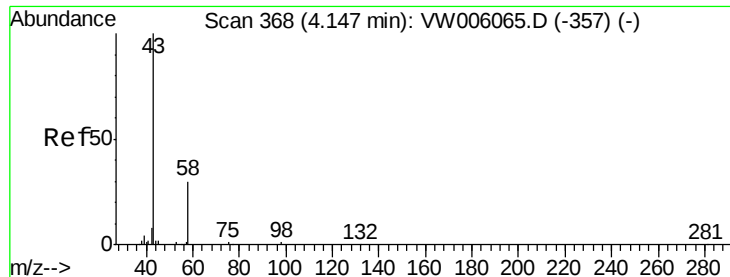
Tgt Ion: 41 Resp: 23593  
 Ion Ratio Lower Upper  
 41 100  
 39 86.3 64.1 96.1  
 76 0.0 32.2 48.4#



#15  
 Acrylonitrile  
 Concen: 39.80 ug/l  
 RT: 5.43 min Scan# 579  
 Delta R.T. 0.06 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

Tgt Ion: 53 Resp: 6608  
 Ion Ratio Lower Upper  
 53 100  
 52 19.6 66.9 100.3#  
 51 60.3 30.1 45.1#





#16

Acetone

Concen: 118.65 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

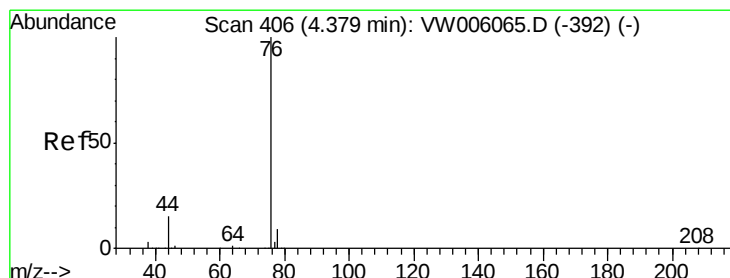
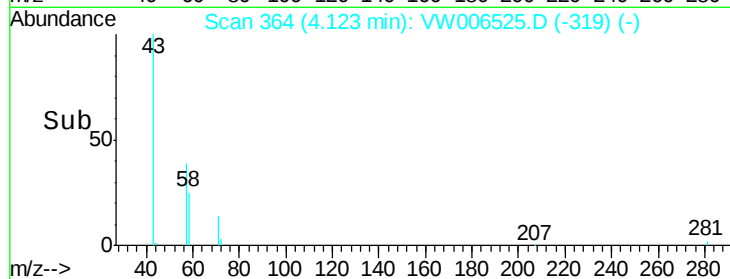
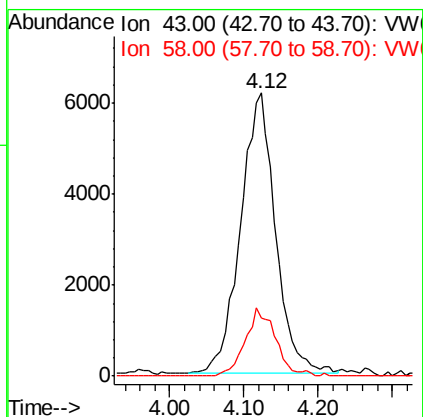
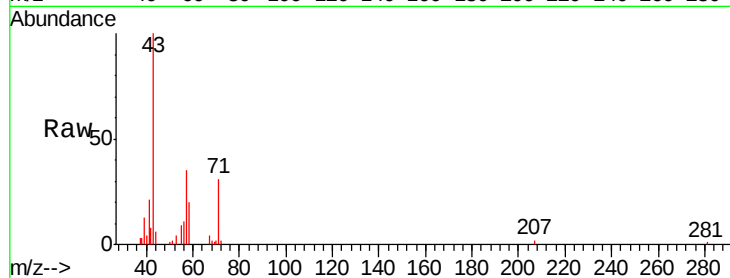
SB-3

Tgt Ion: 43 Resp: 20211

Ion Ratio Lower Upper

43 100

58 20.6 24.0 36.0#



#17

Carbon Disulfide

Concen: 1.06 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006525.D

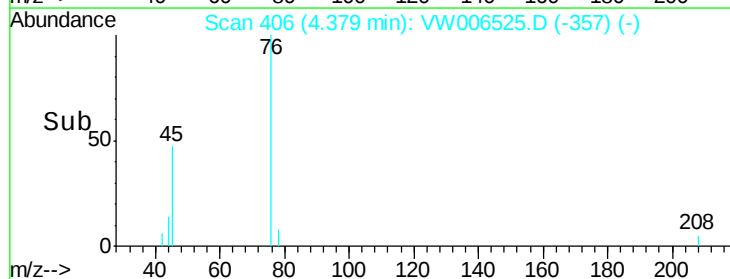
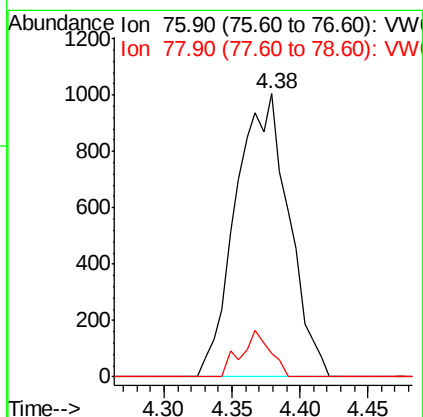
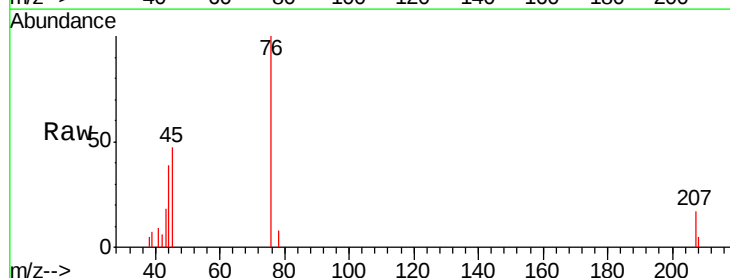
Acq: 31 Oct 2018 14:52

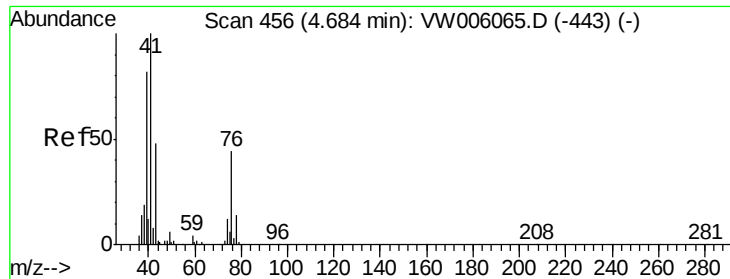
Tgt Ion: 76 Resp: 2738

Ion Ratio Lower Upper

76 100

78 8.3 7.5 11.3

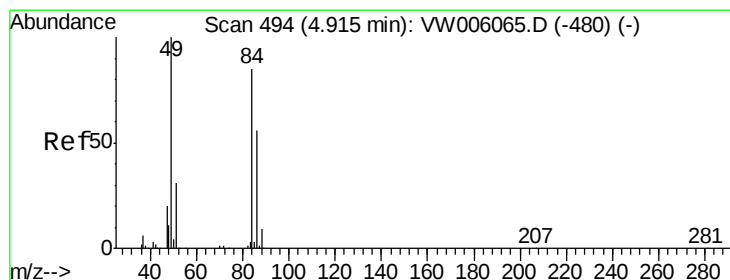
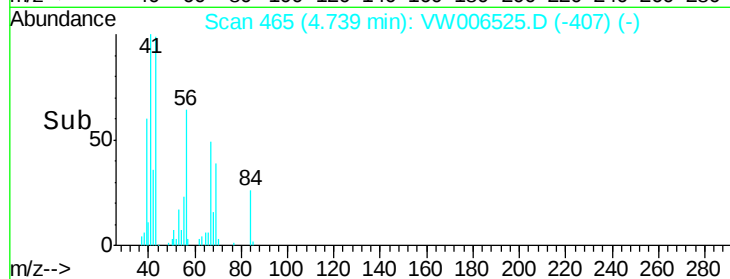
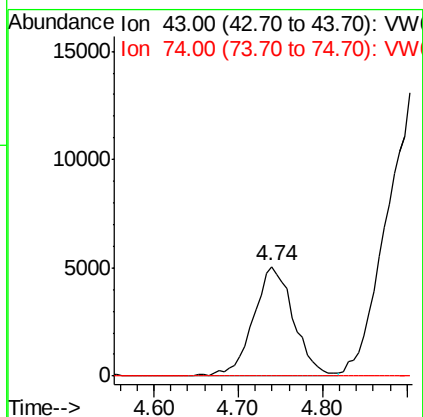
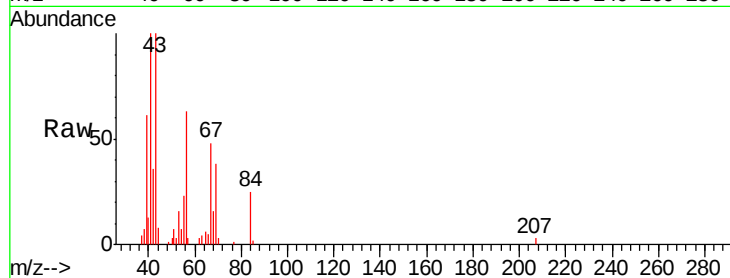




#18  
Methyl Acetate  
Concen: 38.68 ug/l  
RT: 4.74 min Scan# 465  
Delta R.T. 0.06 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

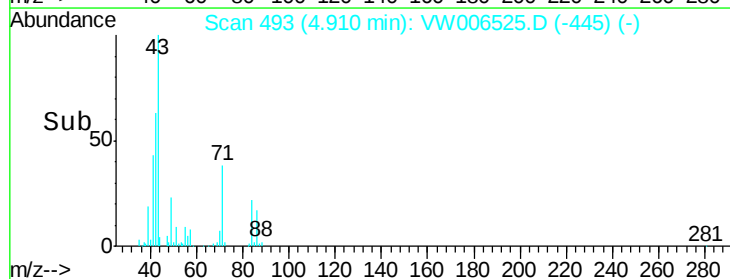
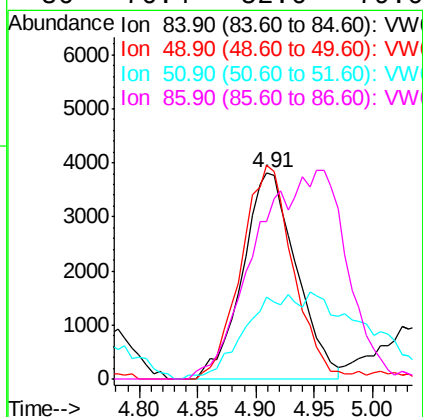
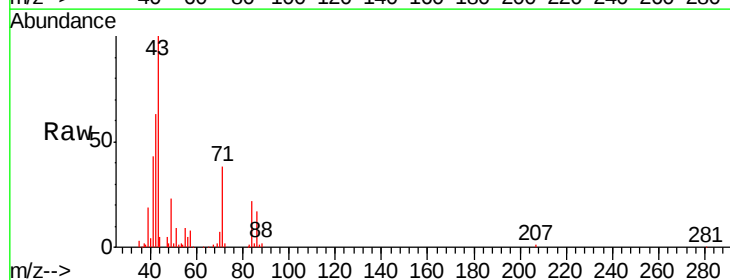
Instrument :  
MSVOA\_W  
ClientSampled :  
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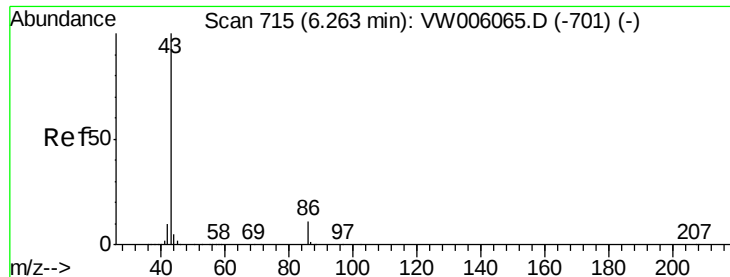
Tgt Ion: 43 Resp: 16586  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.5 30.7#



#20  
Methylene Chloride  
Concen: 12.37 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

Tgt Ion: 84 Resp: 12255  
Ion Ratio Lower Upper  
84 100  
49 103.6 93.6 140.4  
51 37.8 29.0 43.4  
86 76.4 52.6 79.0

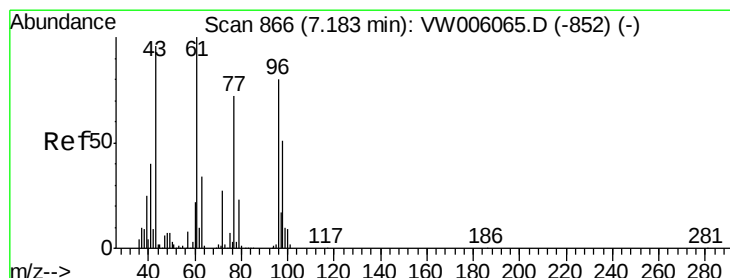
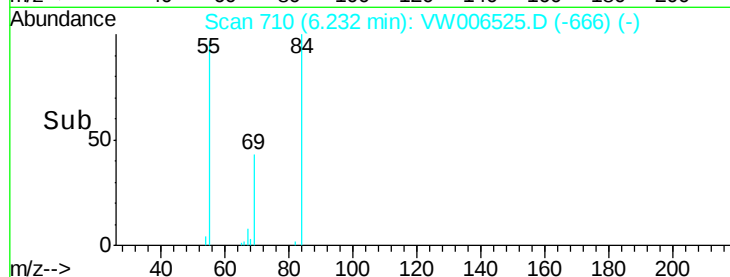
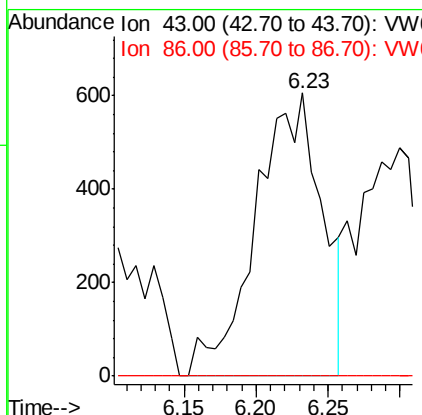
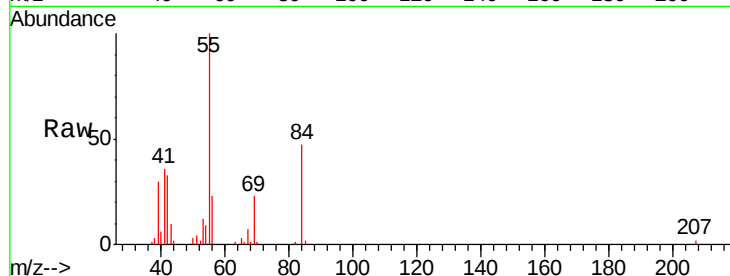




#23  
 Vinyl Acetate  
 Concen: 1.35 ug/l  
 RT: 6.23 min Scan# 710  
 Delta R.T. -0.03 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

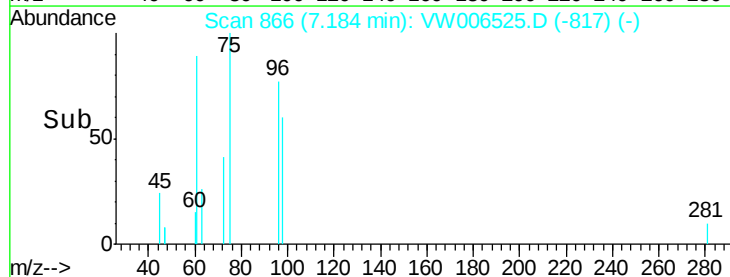
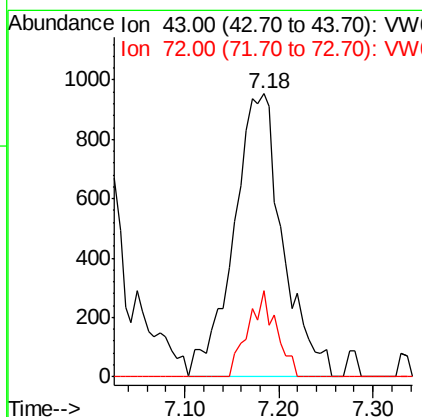
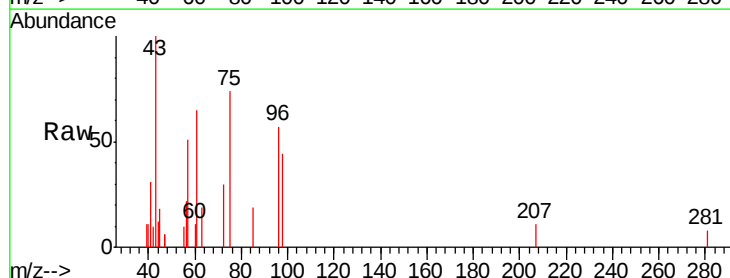
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3

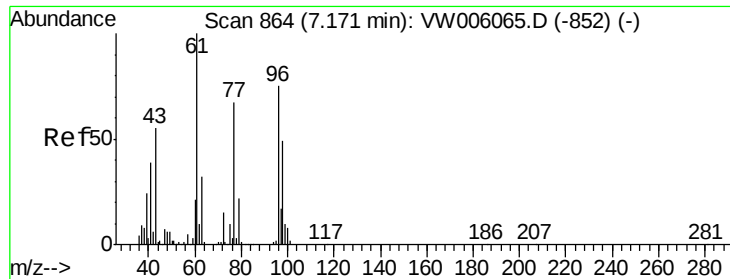
Tgt Ion: 43 Resp: 1938  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 9.0 13.6#



#25  
 2-Butanone  
 Concen: 15.09 ug/l  
 RT: 7.18 min Scan# 866  
 Delta R.T. 0.00 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

Tgt Ion: 43 Resp: 3473  
 Ion Ratio Lower Upper  
 43 100  
 72 30.4 22.8 34.2





#27

cis-1,2-Dichloroethene

Concen: 1.69 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

SB-3

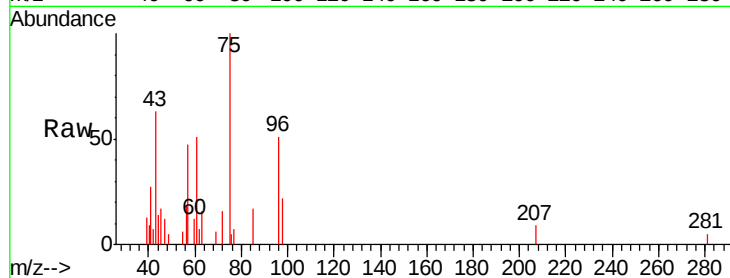
Tgt Ion: 96 Resp: 1792

Ion Ratio Lower Upper

96 100

61 123.4 0.0 267.2

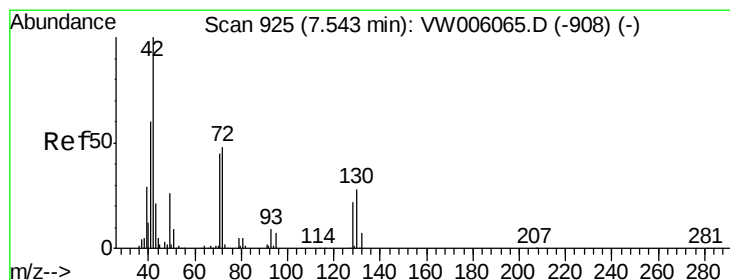
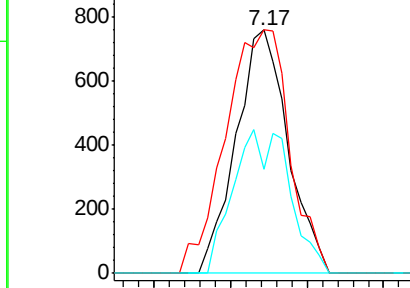
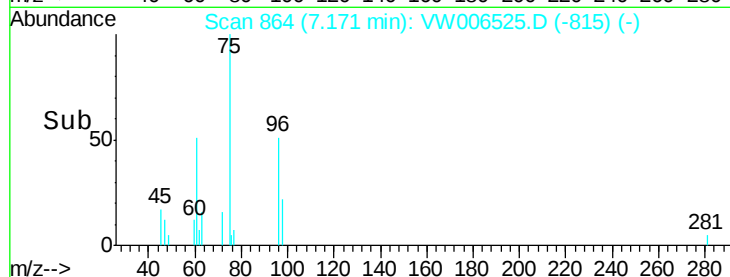
98 36.2 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#29

Tetrahydrofuran

Concen: 2.16 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.02 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

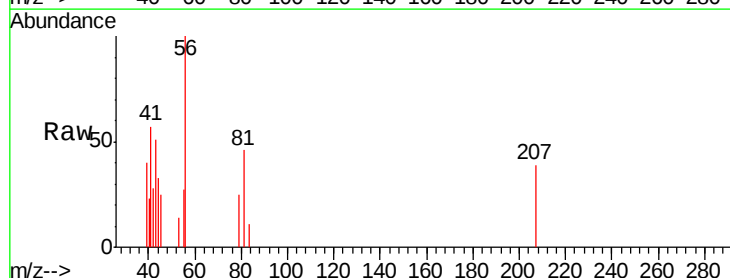
Tgt Ion: 42 Resp: 305

Ion Ratio Lower Upper

42 100

72 0.0 38.0 57.0#

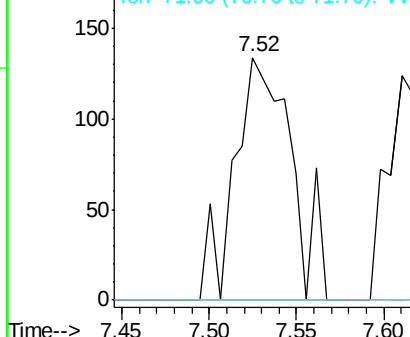
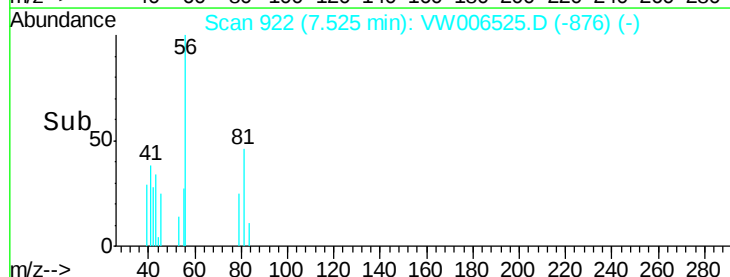
71 0.0 35.3 52.9#

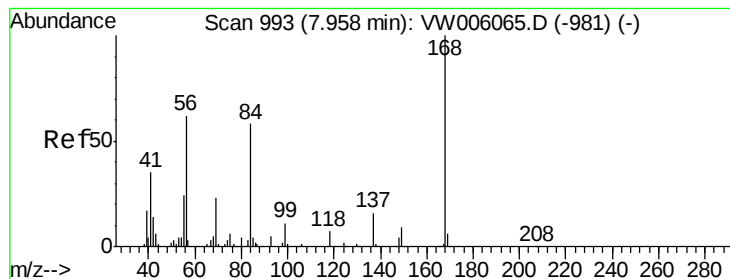


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 127.80 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-3

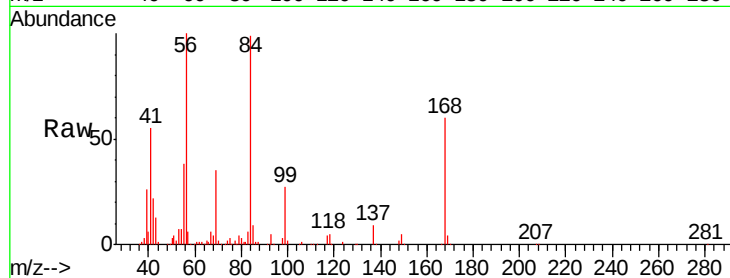
Tgt Ion: 56 Resp: 199260

Ion Ratio Lower Upper

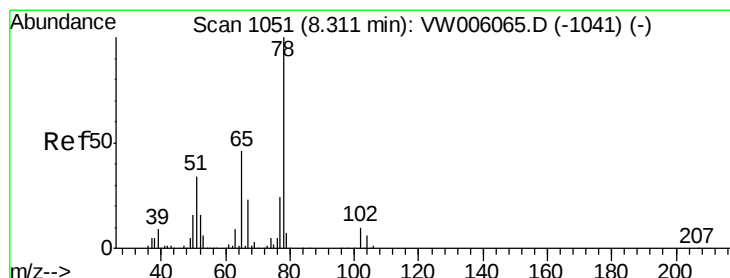
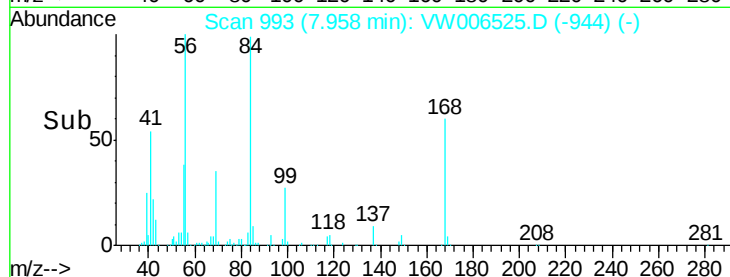
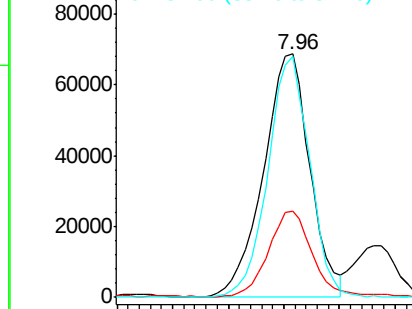
56 100

69 34.7 29.4 44.0

84 98.8 74.0 111.0



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: 63.97 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006525.D

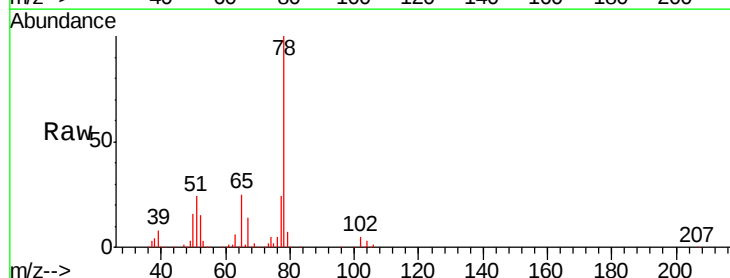
Acq: 31 Oct 2018 14:52

Tgt Ion: 65 Resp: 54507

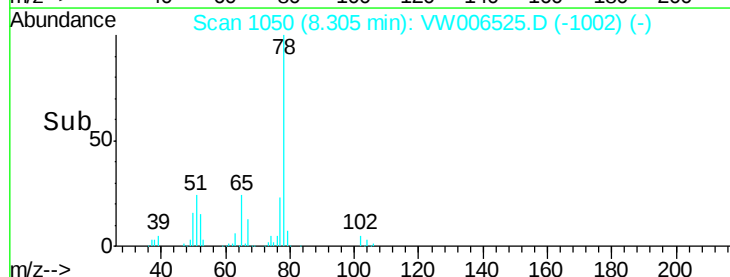
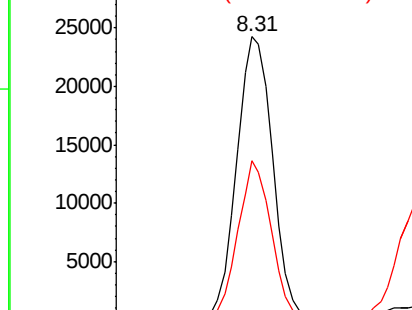
Ion Ratio Lower Upper

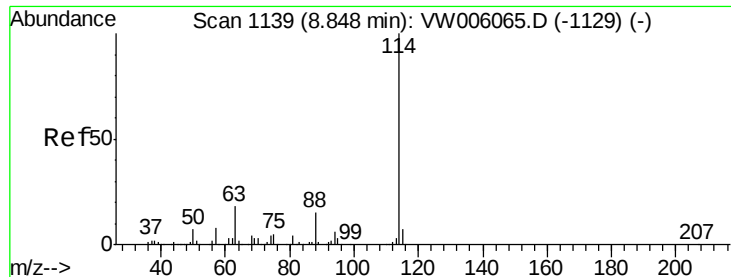
65 100

67 52.5 0.0 101.0



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

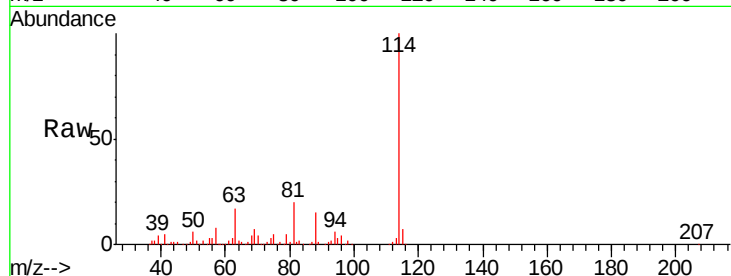




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3

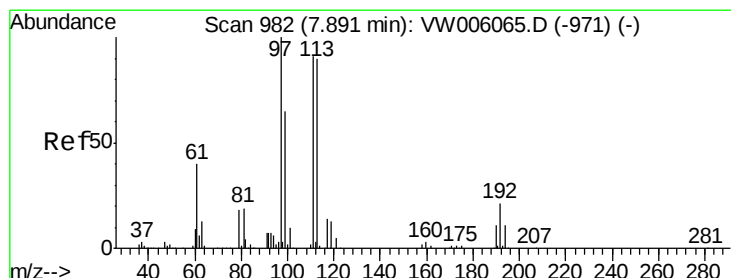
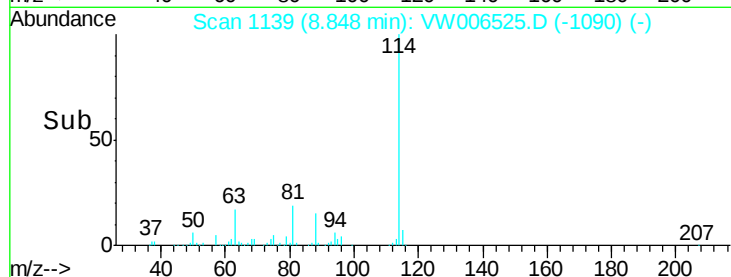
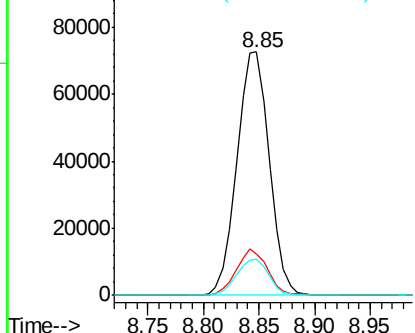
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.2  | 0.0   | 36.8  |
| 88      | 14.9  | 0.0   | 29.0  |



Abundance Ion 113.90 (113.60 to 114.60): V

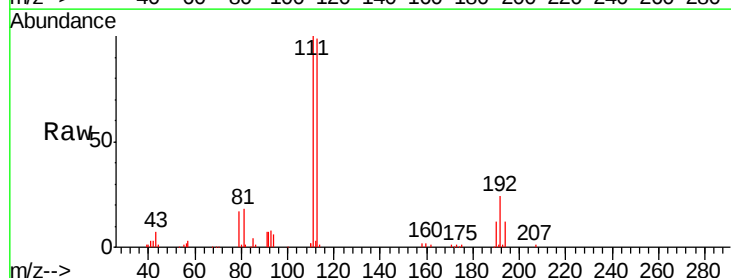
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35  
 Dibromofluoromethane  
 Concen: 62.48 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

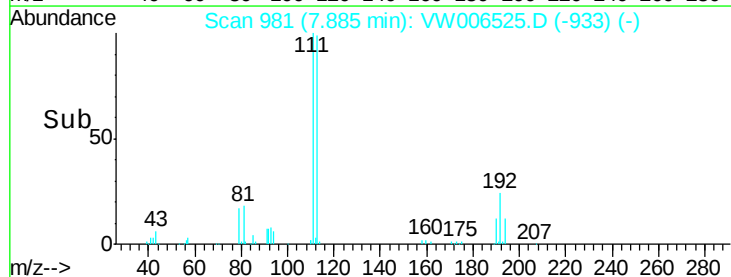
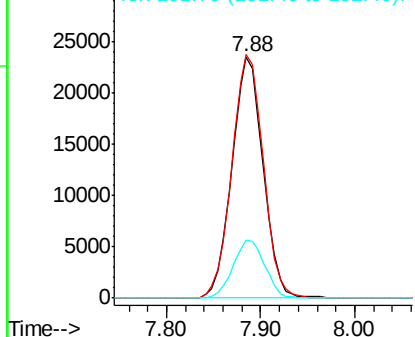
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.4  | 122.0 |
| 192     | 24.5  | 18.7  | 28.1  |

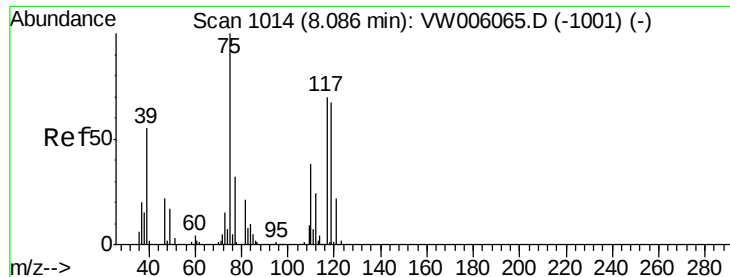


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.76 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-3

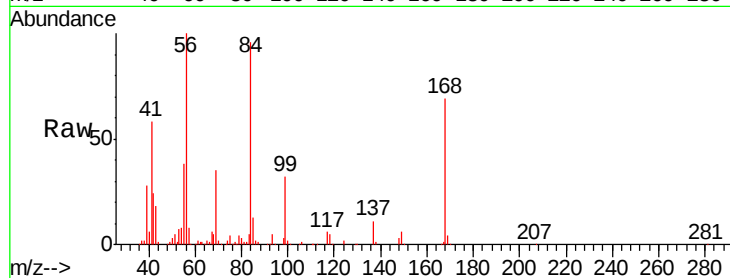
Tgt Ion: 75 Resp: 6424

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

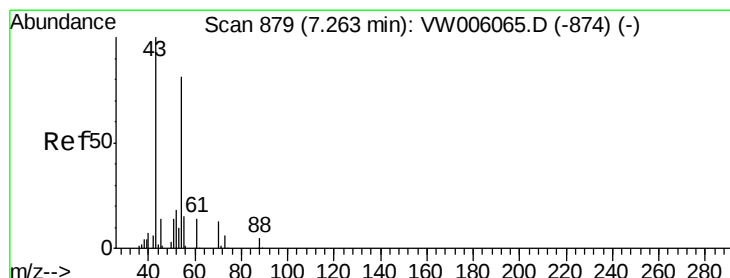
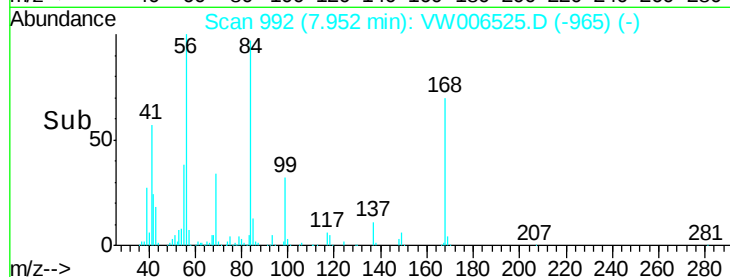
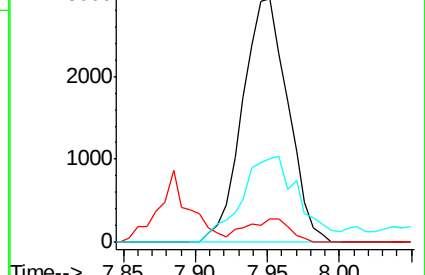
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 6.93 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.08 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

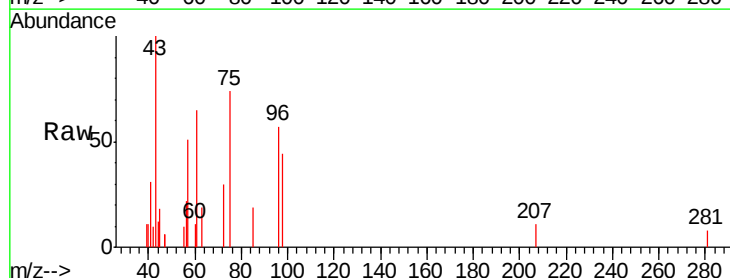
Tgt Ion: 43 Resp: 3473

Ion Ratio Lower Upper

43 100

61 63.7 11.5 17.3#

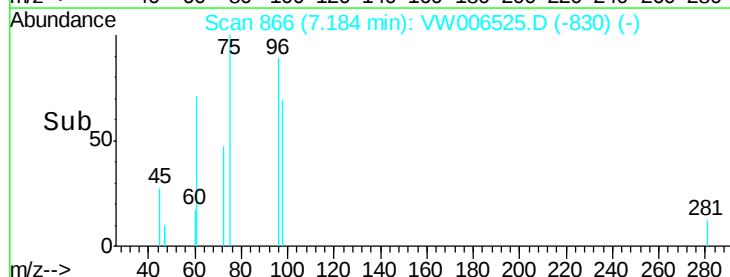
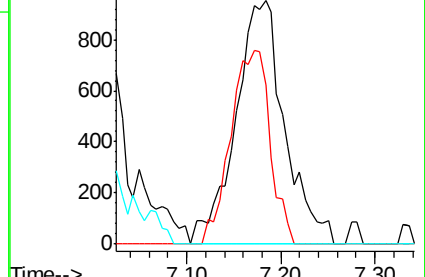
70 0.0 9.2 13.8#

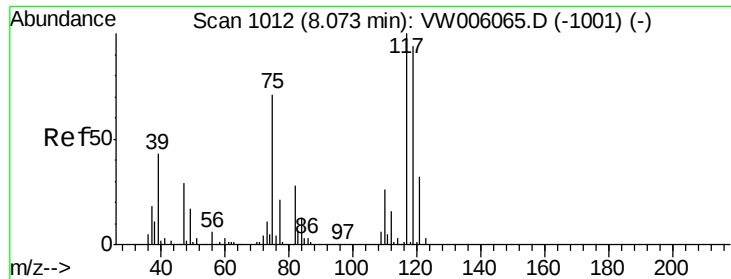


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 5.89 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

SB-3

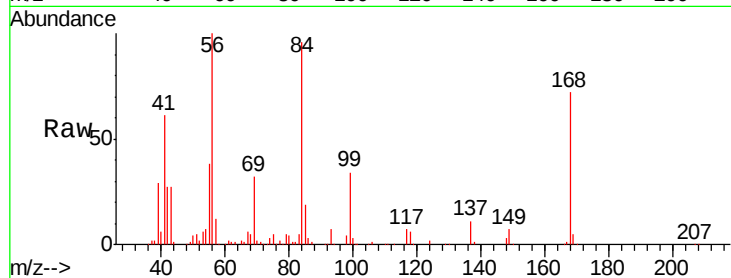
Tgt Ion: 117 Resp: 8705

Ion Ratio Lower Upper

117 100

119 5.0 75.2 112.8#

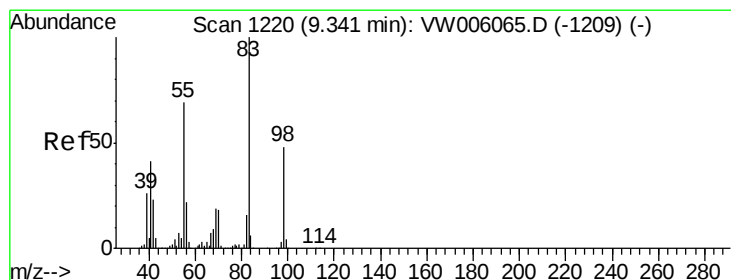
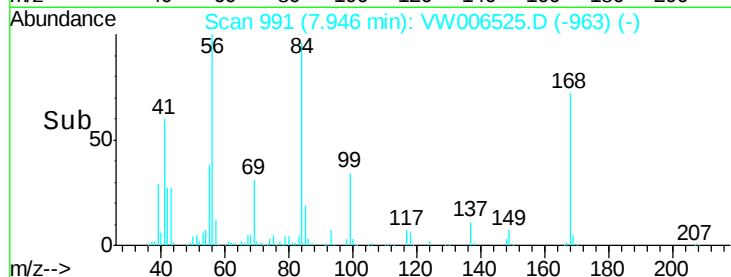
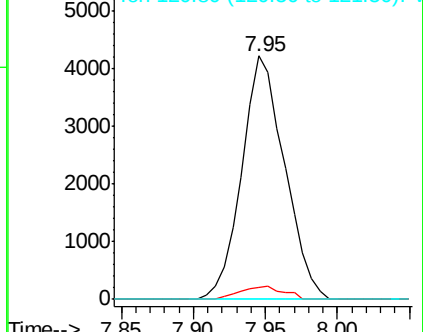
121 0.0 25.3 37.9#



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



#39

Methylcyclohexane

Concen: 180.41 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

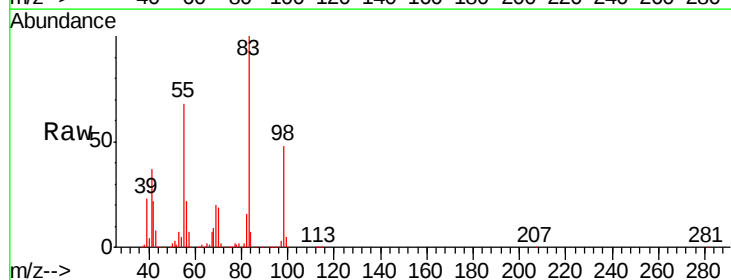
Tgt Ion: 83 Resp: 323513

Ion Ratio Lower Upper

83 100

55 67.6 55.0 82.6

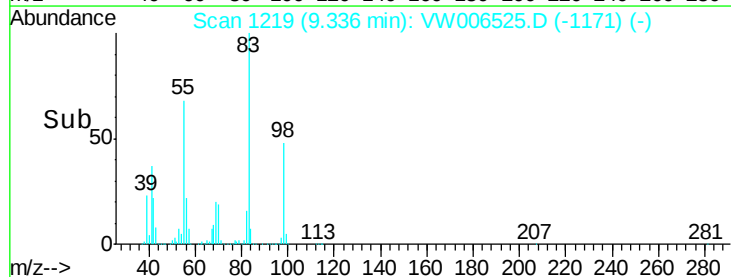
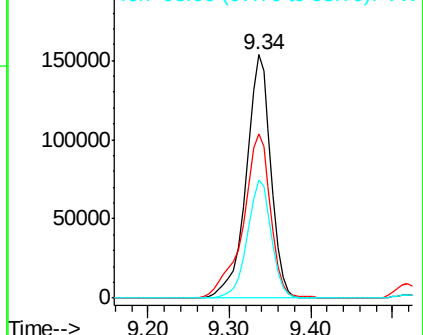
98 48.4 38.6 57.8

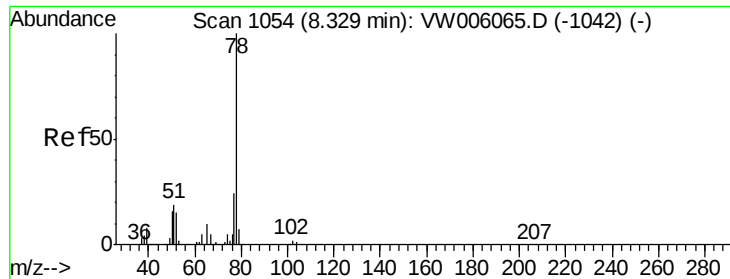


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 151.43 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

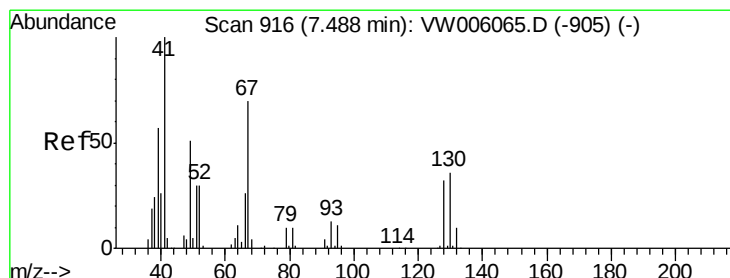
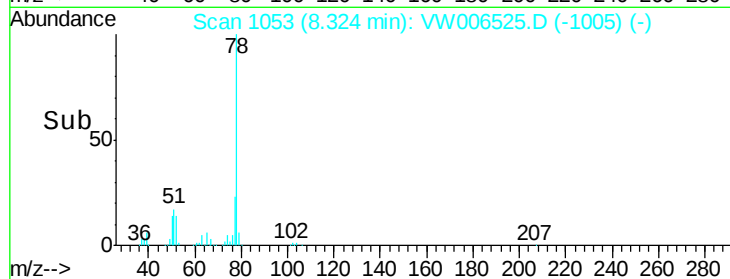
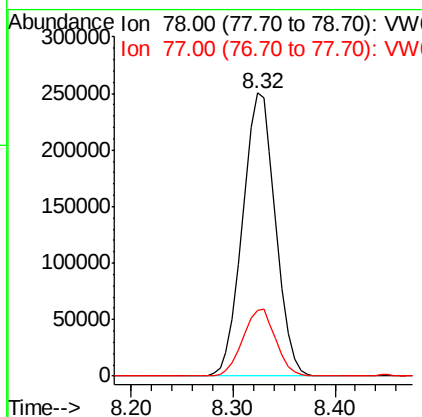
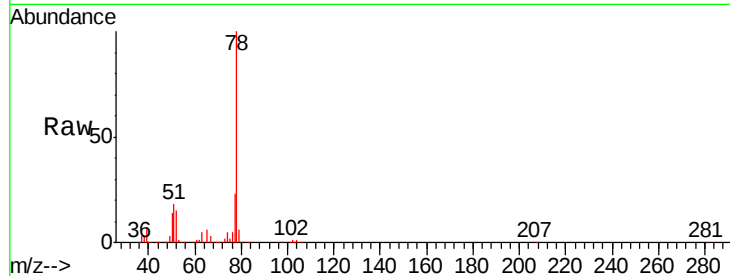
SB-3

Tgt Ion: 78 Resp: 560353

Ion Ratio Lower Upper

78 100

77 23.3 19.4 29.0



#41

Methacrylonitrile

Concen: 3.61 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.04 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Tgt Ion: 41 Resp: 1092

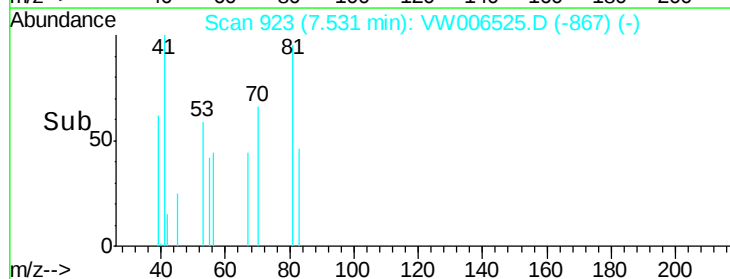
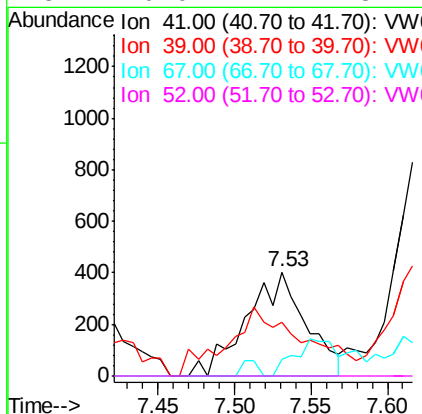
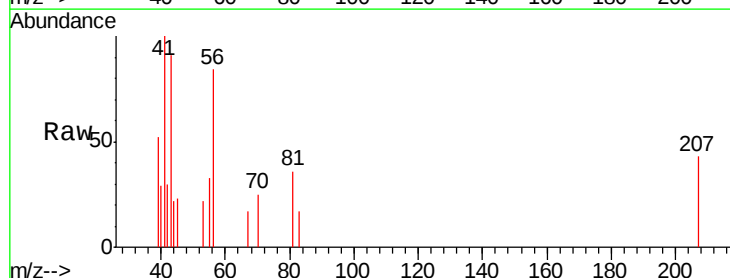
Ion Ratio Lower Upper

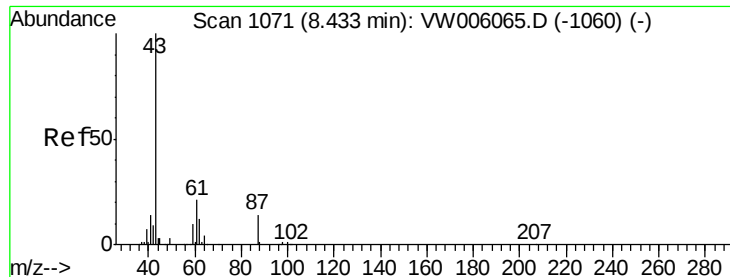
41 100

39 86.6 46.2 69.4#

67 0.0 57.7 86.5#

52 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 18.51 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-3

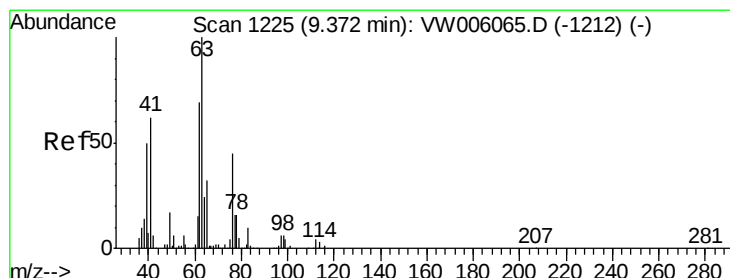
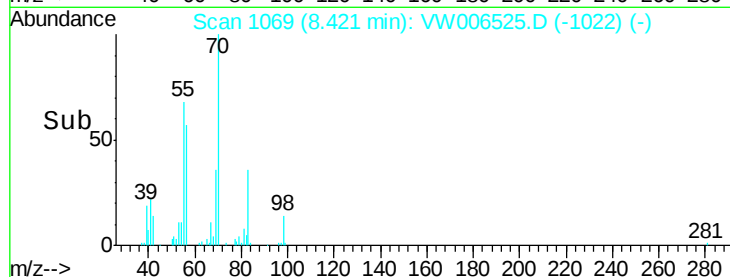
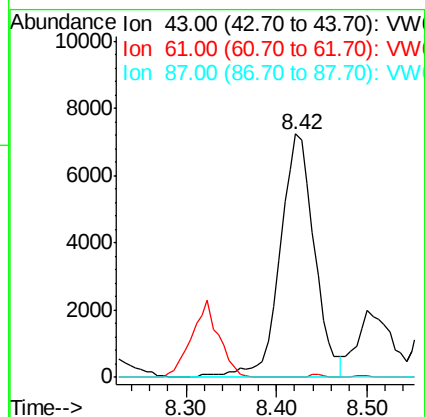
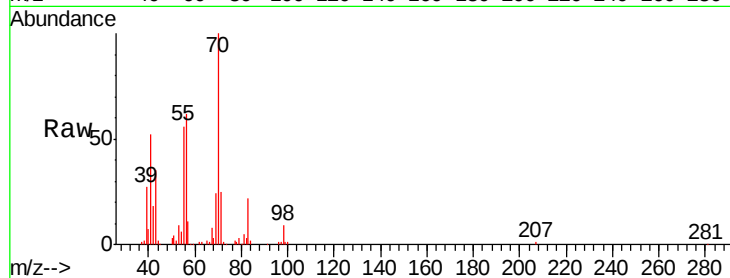
Tgt Ion: 43 Resp: 18969

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

87 0.0 11.7 17.5#



#45

1,2-Dichloropropane

Concen: 3.35 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.04 min

Lab File: VW006525.D

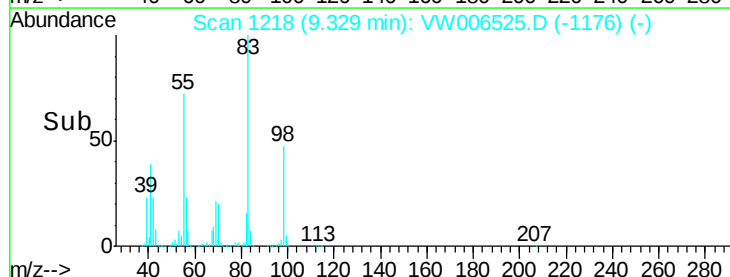
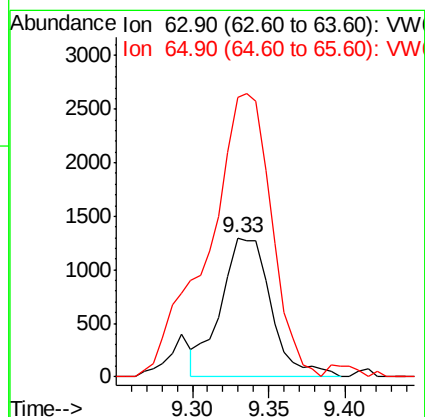
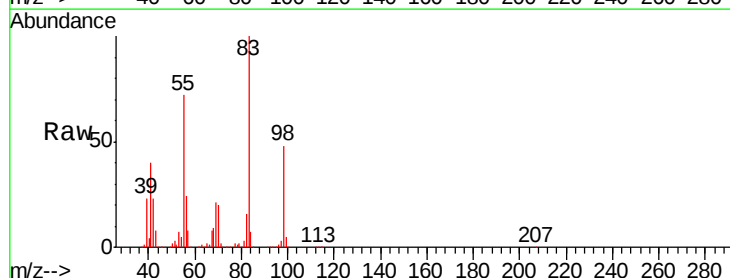
Acq: 31 Oct 2018 14:52

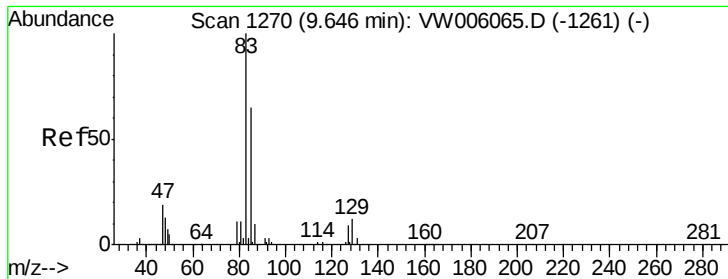
Tgt Ion: 63 Resp: 2966

Ion Ratio Lower Upper

63 100

65 192.5 25.4 38.0#





#47

Bromodichloromethane

Concen: 3.08 ug/l

RT: 9.61 min Scan# 1264

Delta R.T. -0.04 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

SB-3

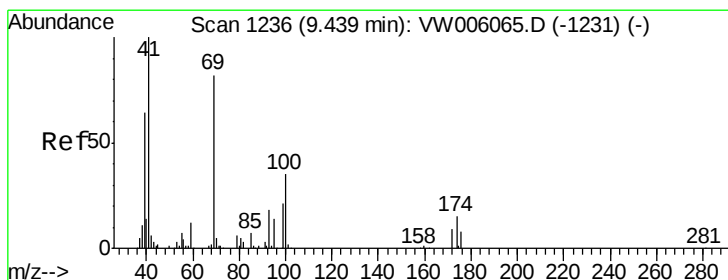
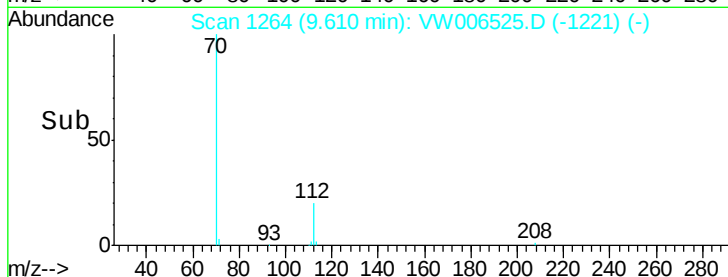
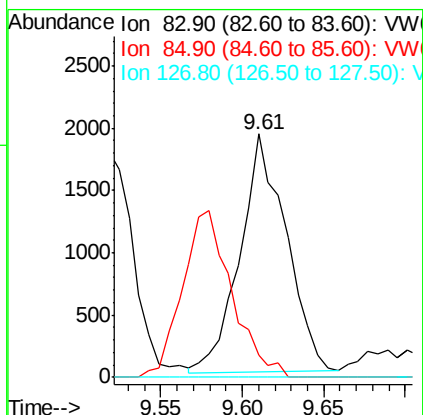
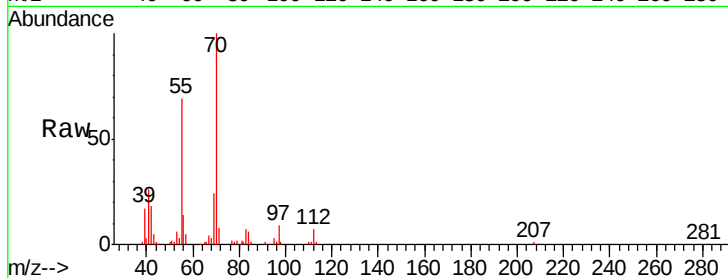
Tgt Ion: 83 Resp: 3771

Ion Ratio Lower Upper

83 100

85 9.5 51.8 77.8#

127 0.0 6.9 10.3#



#48

Methyl methacrylate

Concen: 44.27 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.08 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

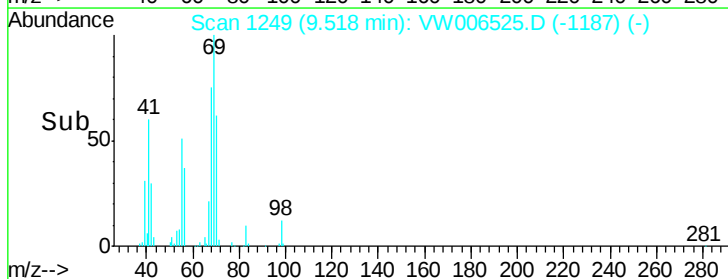
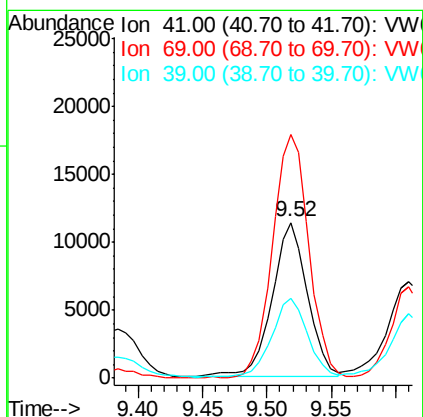
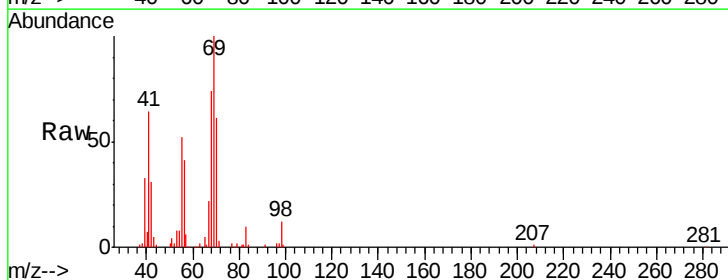
Tgt Ion: 41 Resp: 21503

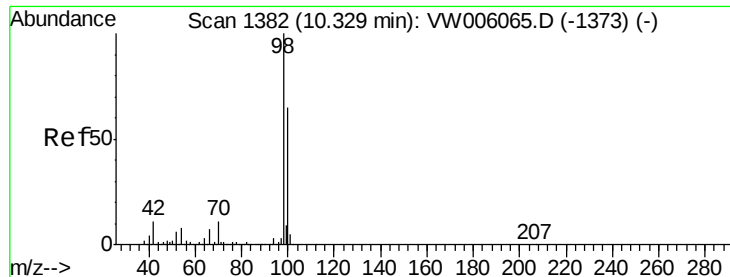
Ion Ratio Lower Upper

41 100

69 164.1 71.8 107.8#

39 50.4 52.5 78.7#





#50

Toluene-d8

Concen: 68.58 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

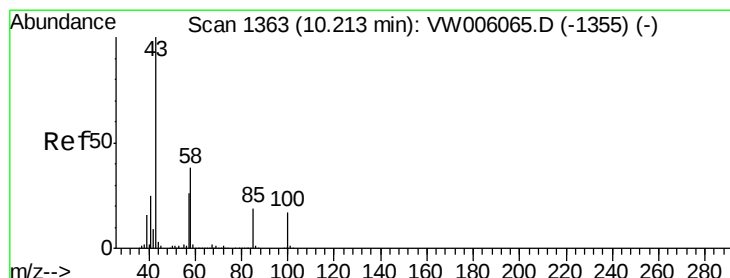
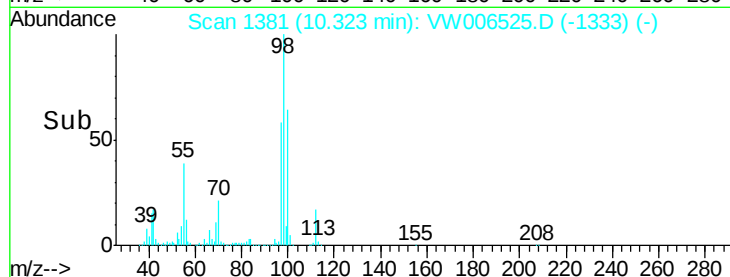
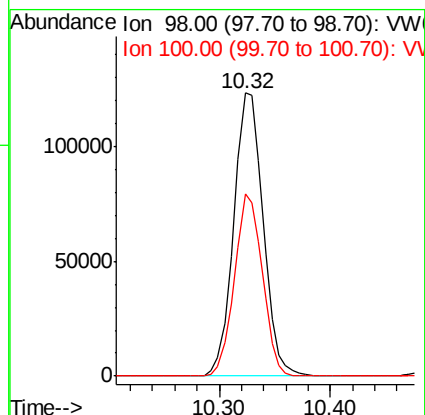
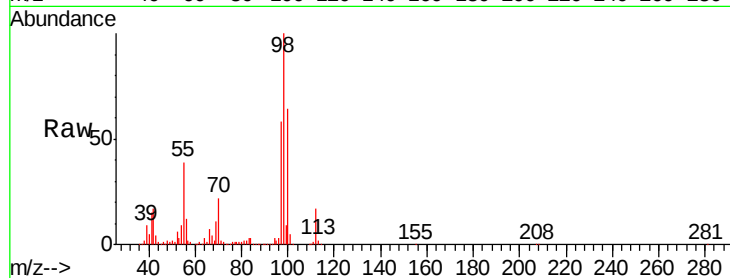
SB-3

Tgt Ion: 98 Resp: 225652

Ion Ratio Lower Upper

98 100

100 60.9 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 16.47 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006525.D

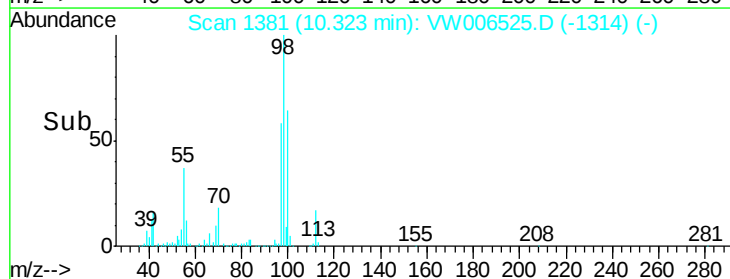
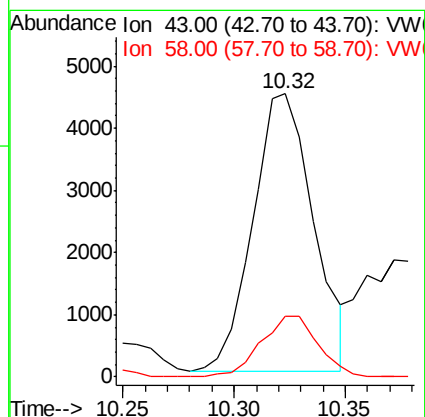
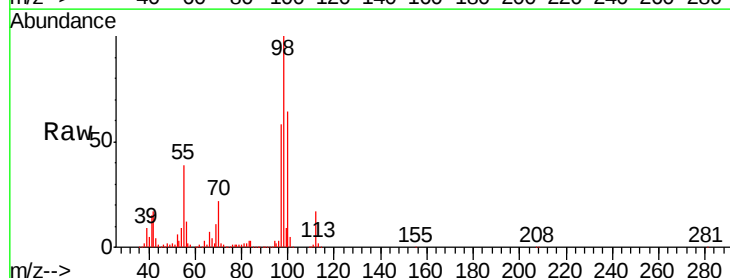
Acq: 31 Oct 2018 14:52

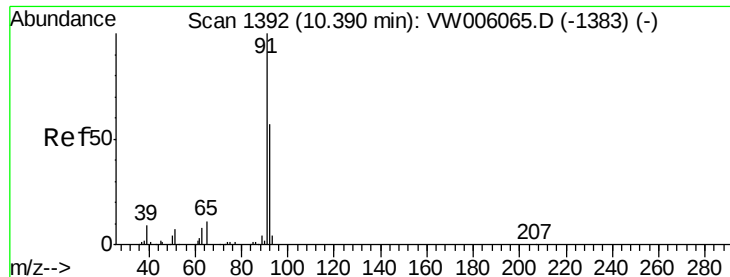
Tgt Ion: 43 Resp: 8456

Ion Ratio Lower Upper

43 100

58 20.7 31.5 47.3#





#52

Toluene

Concen: 168.69 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

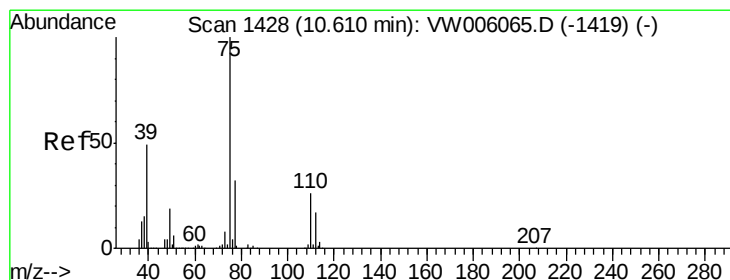
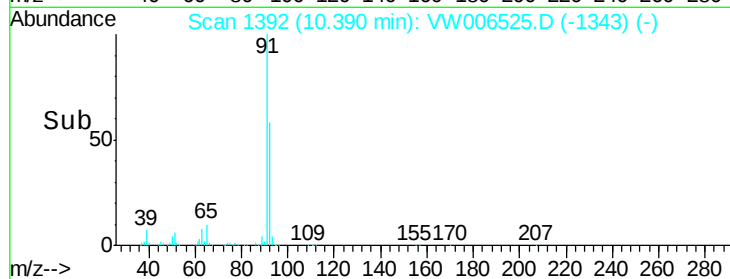
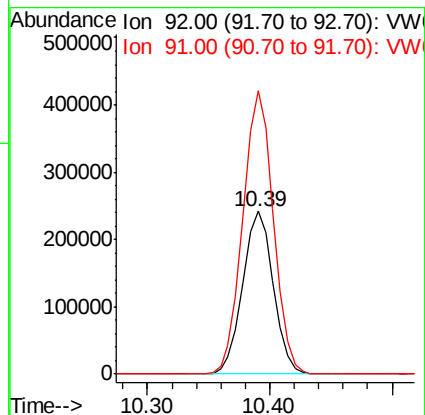
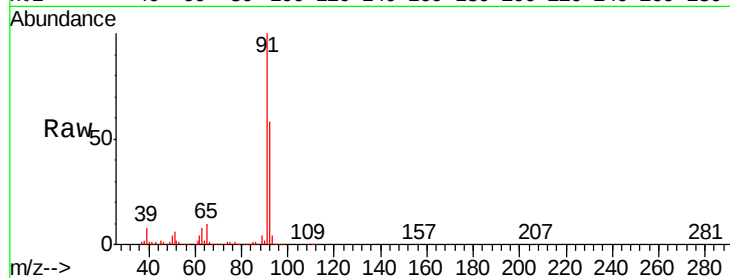
SB-3

Tgt Ion: 92 Resp: 418513

Ion Ratio Lower Upper

92 100

91 173.7 140.0 210.0



#53

t-1,3-Dichloropropene

Concen: 4.03 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.23 min

Lab File: VW006525.D

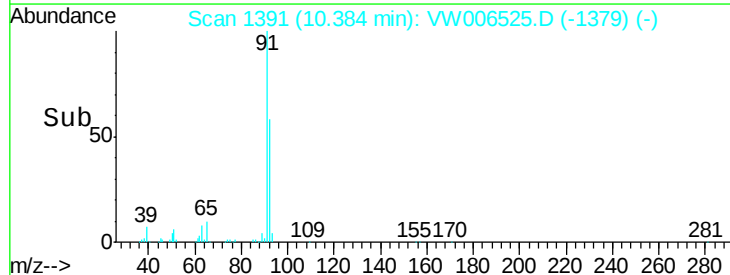
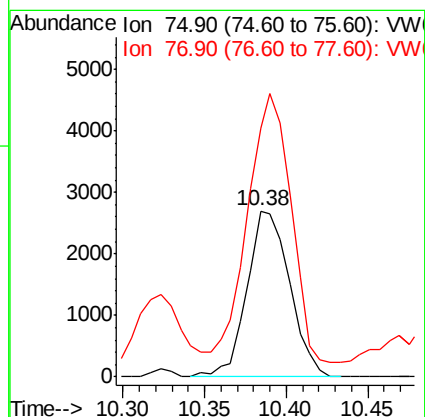
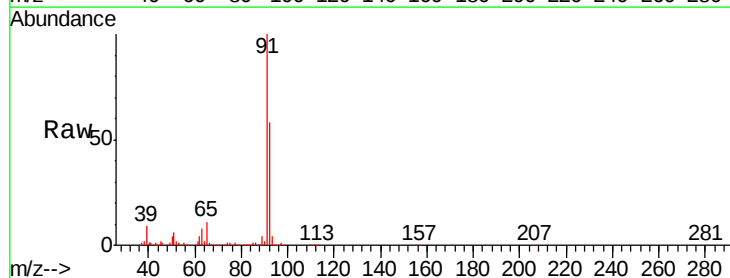
Acq: 31 Oct 2018 14:52

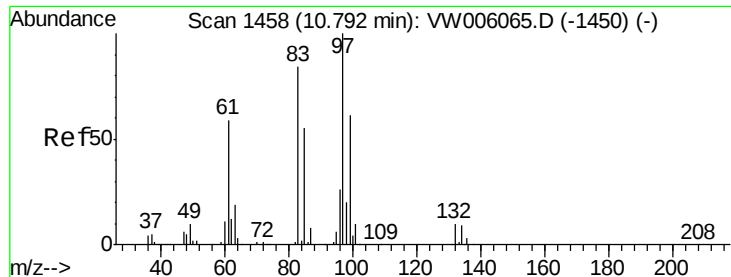
Tgt Ion: 75 Resp: 4910

Ion Ratio Lower Upper

75 100

77 141.6 25.4 38.2#

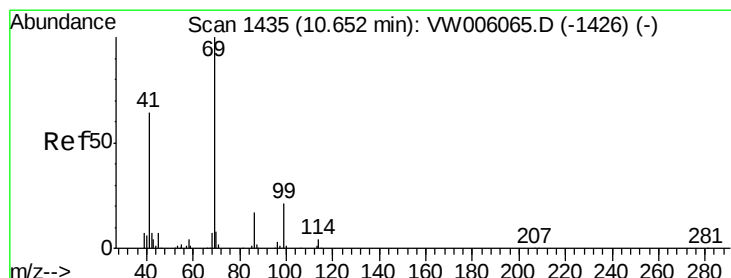
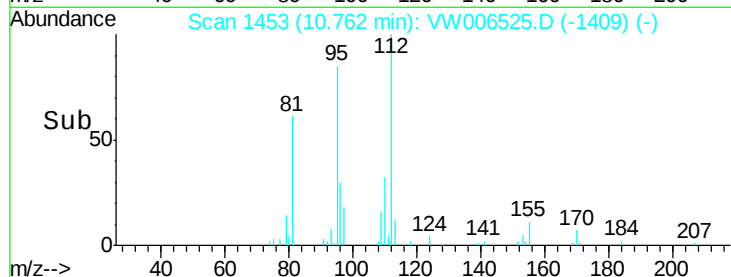
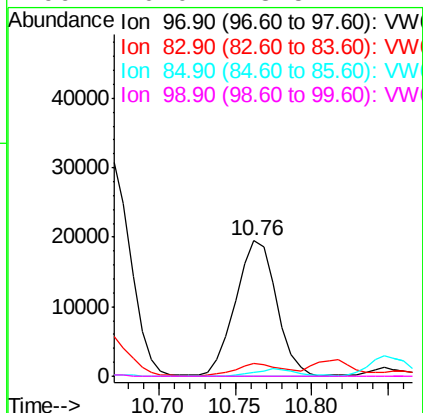
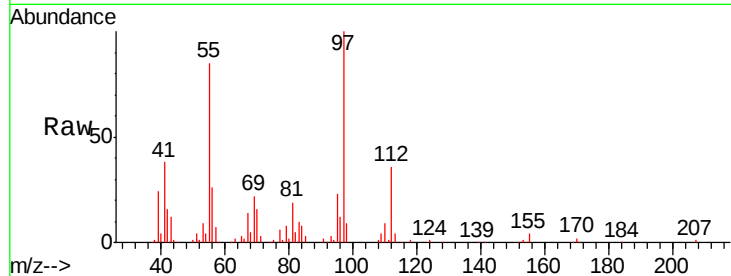




#55  
 1,1,2-Trichloroethane  
 Concen: 51.38 ug/l  
 RT: 10.76 min Scan# 1453  
 Delta R.T. -0.03 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

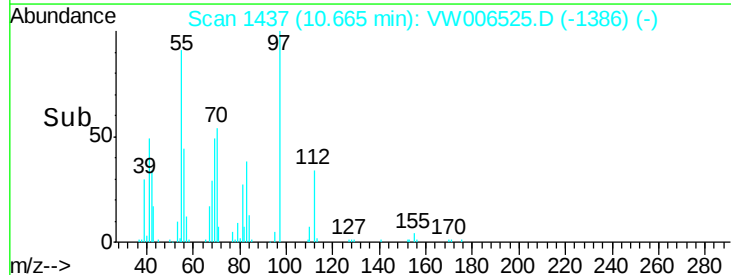
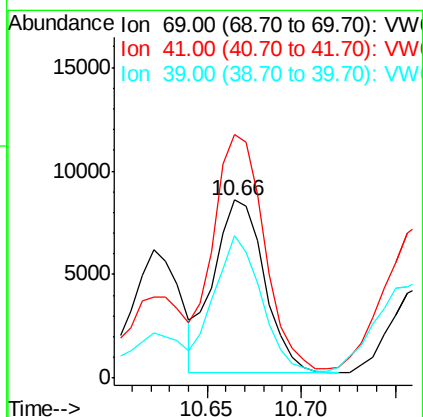
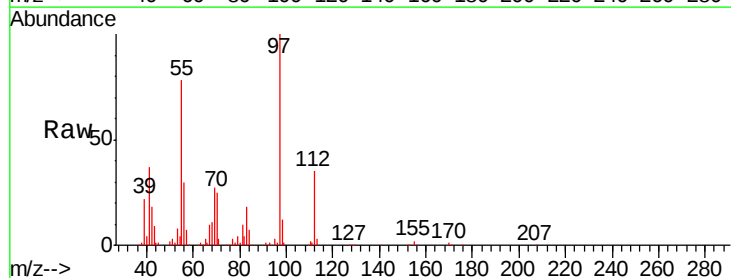
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3

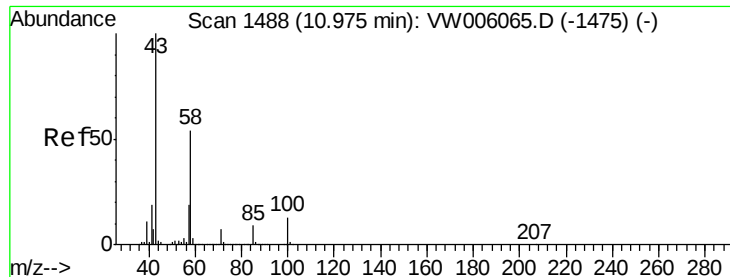
Tgt Ion: 97 Resp: 36290  
 Ion Ratio Lower Upper  
 97 100  
 83 10.0 67.2 100.8#  
 85 3.0 43.7 65.5#  
 99 0.0 48.5 72.7#



#56  
 Ethyl methacrylate  
 Concen: 17.98 ug/l  
 RT: 10.66 min Scan# 1437  
 Delta R.T. 0.01 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

Tgt Ion: 69 Resp: 15564  
 Ion Ratio Lower Upper  
 69 100  
 41 134.3 52.8 79.2#  
 39 72.2 30.6 45.8#

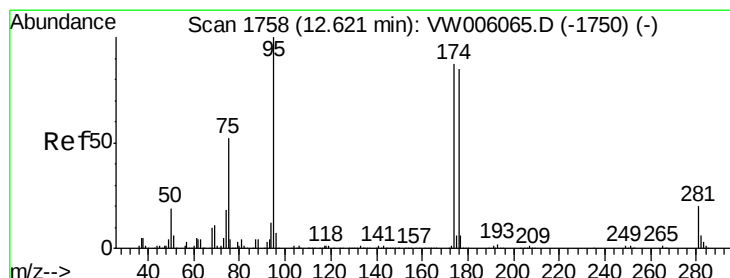
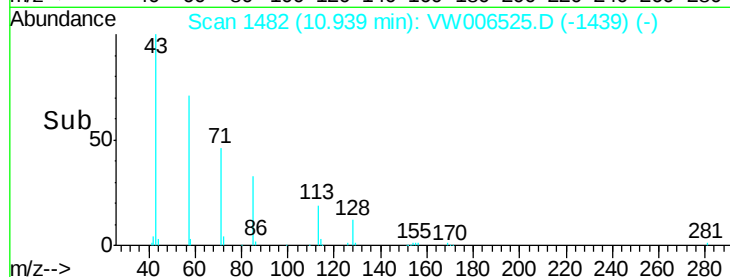
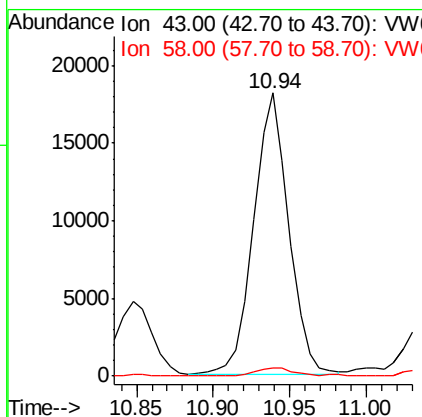
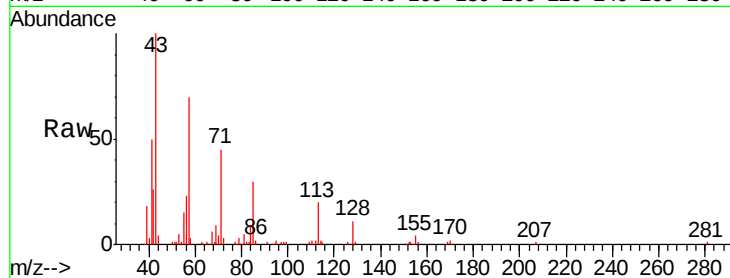




#59  
2-Hexanone  
Concen: 79.35 ug/l  
RT: 10.94 min Scan# 1482  
Delta R.T. -0.04 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

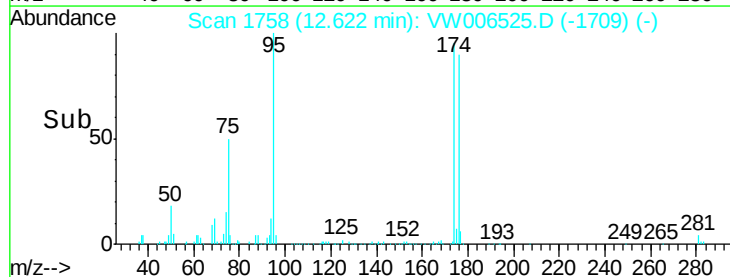
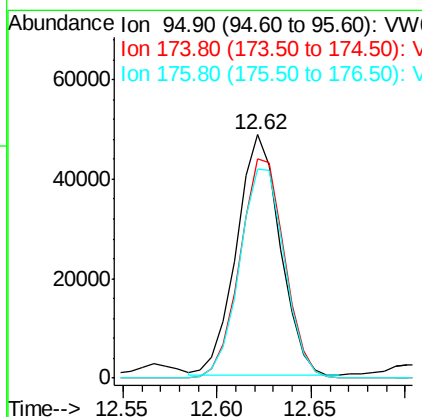
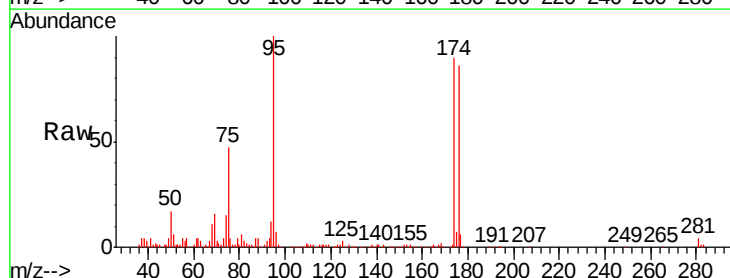
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-3

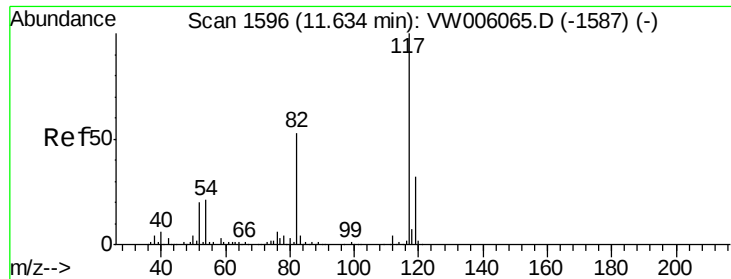
Tgt Ion: 43 Resp: 29085  
Ion Ratio Lower Upper  
43 100  
58 3.5 26.9 80.6#



#62  
4-Bromofluorobenzene  
Concen: 62.42 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

Tgt Ion: 95 Resp: 77133  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 186.0  
176 90.3 0.0 181.6

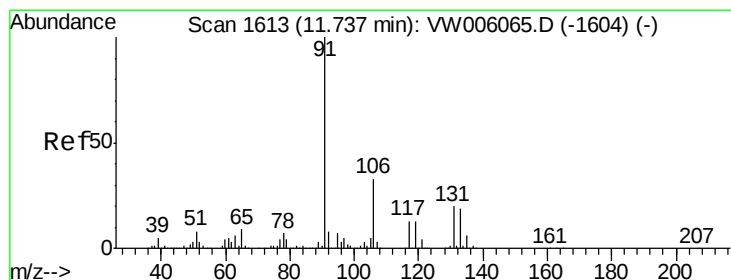
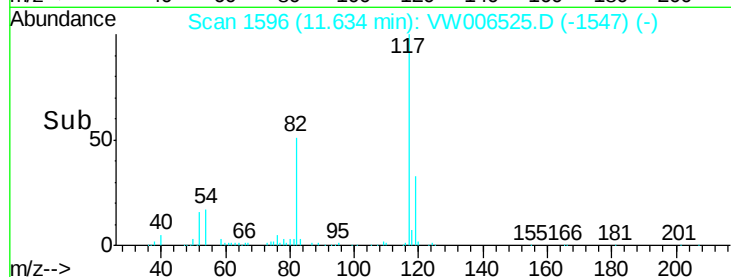
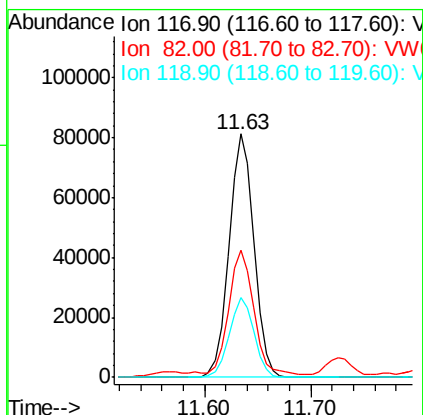
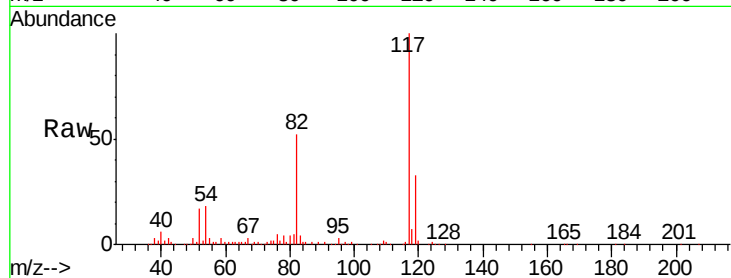




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

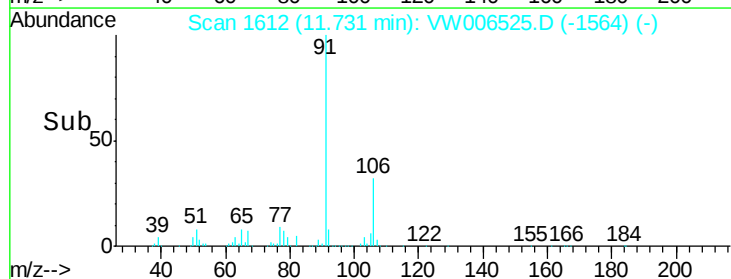
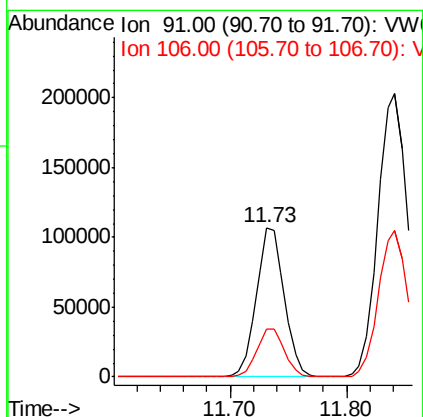
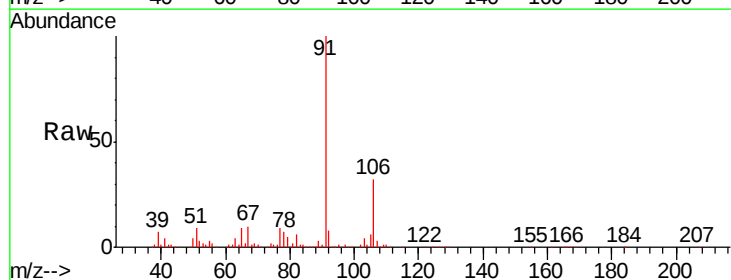
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-3

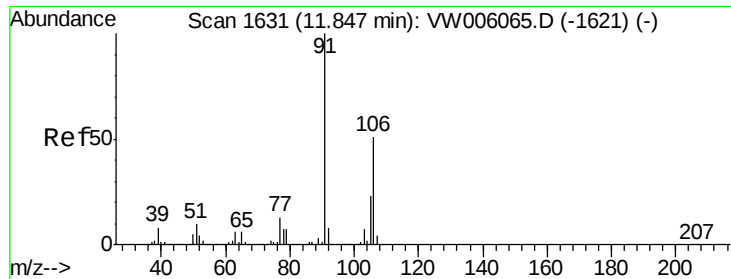
Tgt Ion: 117 Resp: 132779  
Ion Ratio Lower Upper  
117 100  
82 50.1 42.1 63.1  
119 32.8 25.8 38.6



#67  
Ethyl Benzene  
Concen: 35.97 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.01 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

Tgt Ion: 91 Resp: 177212  
Ion Ratio Lower Upper  
91 100  
106 32.4 26.1 39.1

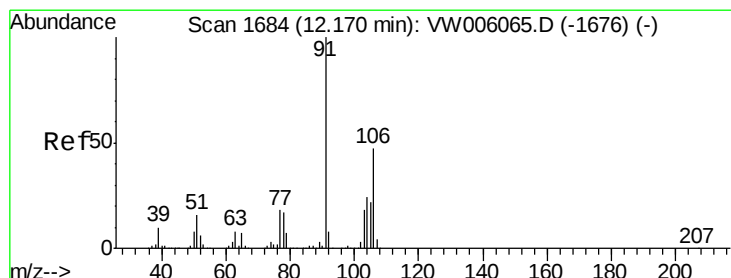
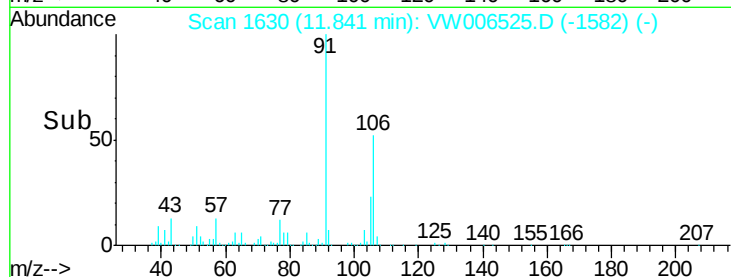
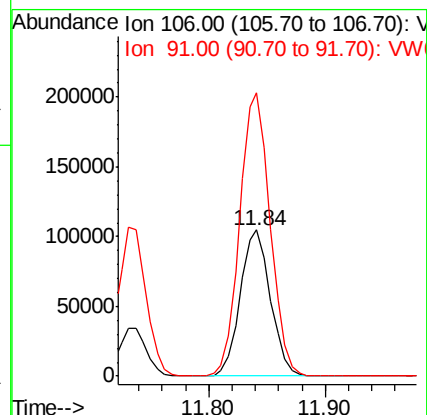
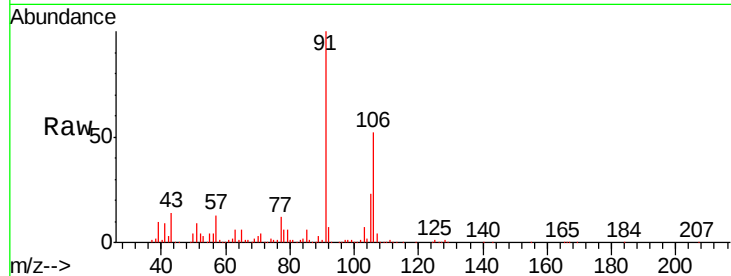




#68  
m/p-Xylenes  
Concen: 96.61 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.01 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

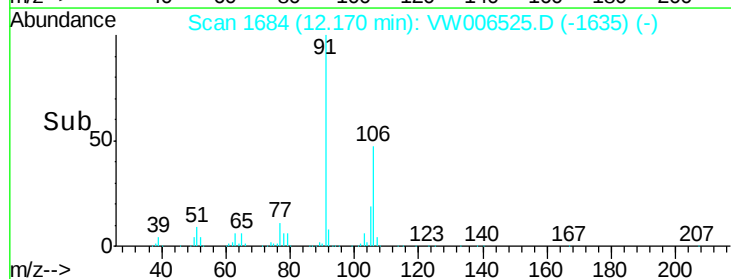
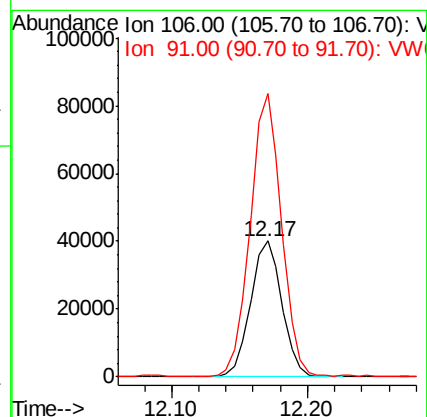
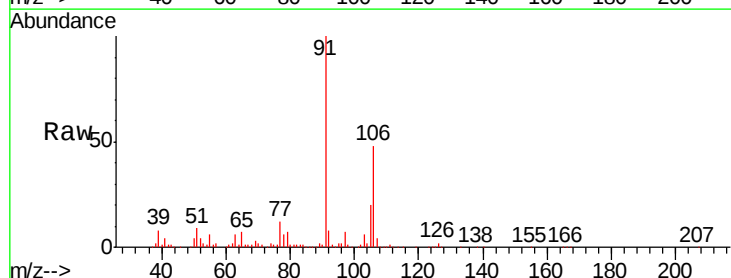
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-3

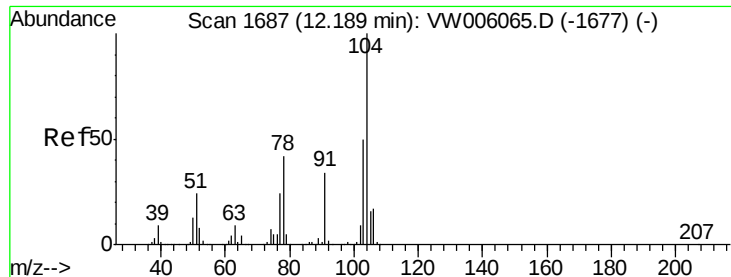
Tgt Ion:106 Resp: 188108  
Ion Ratio Lower Upper  
106 100  
91 195.4 159.1 238.7



#69  
o-Xylene  
Concen: 34.97 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

Tgt Ion:106 Resp: 64882  
Ion Ratio Lower Upper  
106 100  
91 206.4 105.4 316.1





#70

Styrene

Concen: 1.17 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.02 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-3

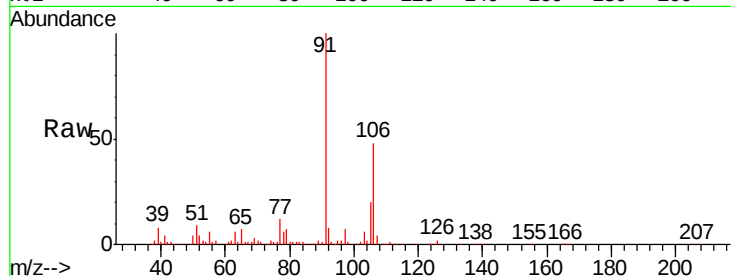
Tgt Ion:104 Resp: 3524

Ion Ratio Lower Upper

104 100

78 268.9 39.1 58.7#

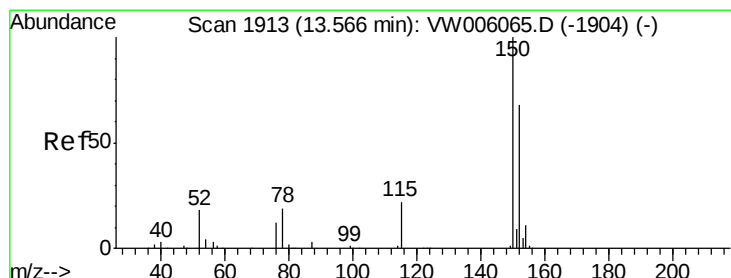
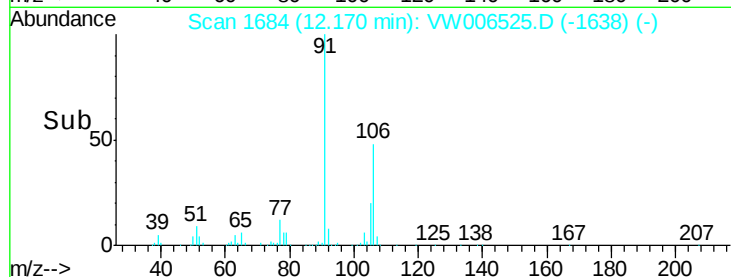
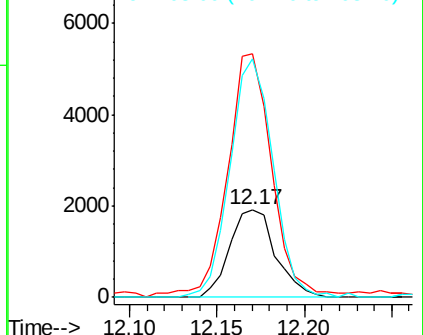
103 255.6 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

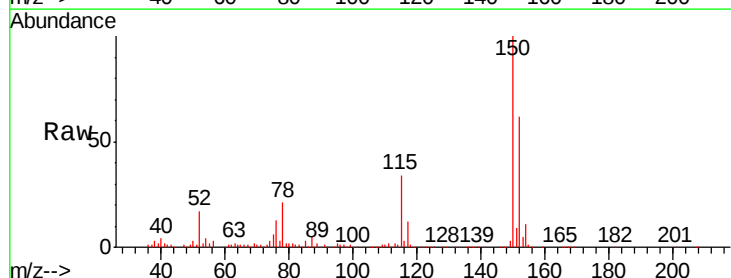
Tgt Ion:152 Resp: 68646

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

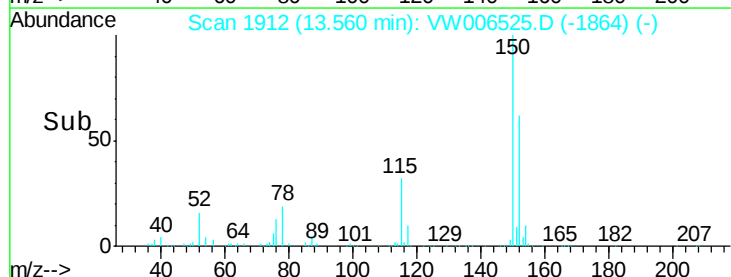
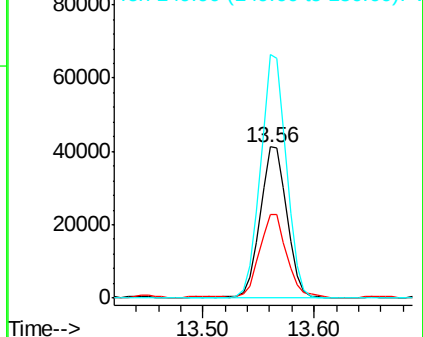
150 157.2 0.0 349.2

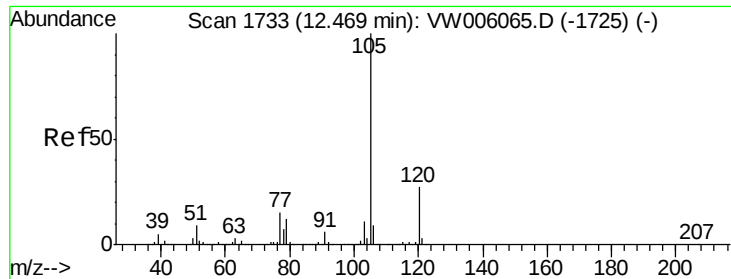


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.04 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

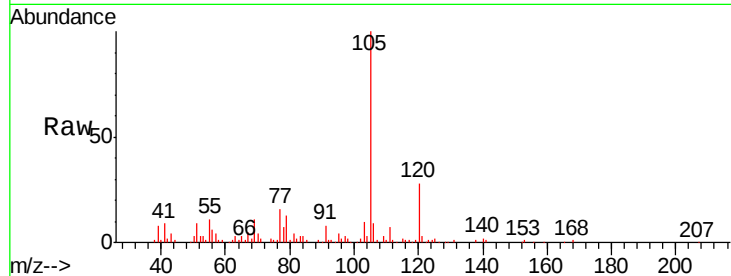
SB-3

Tgt Ion:105 Resp: 38991

Ion Ratio Lower Upper

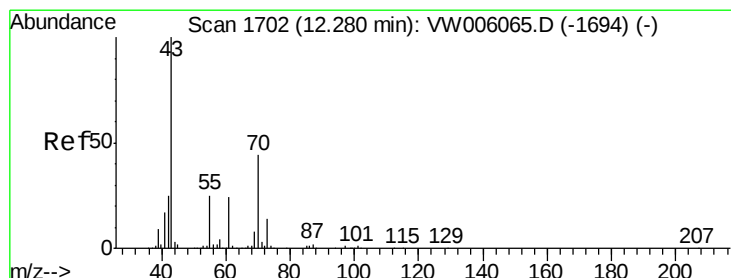
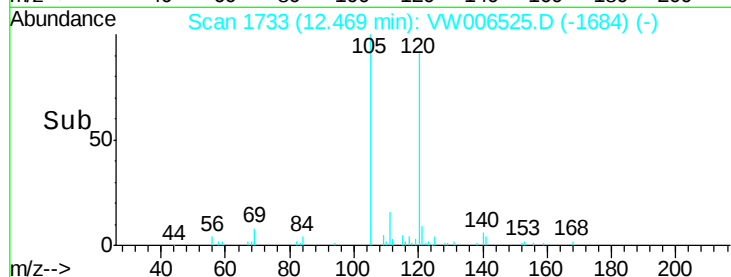
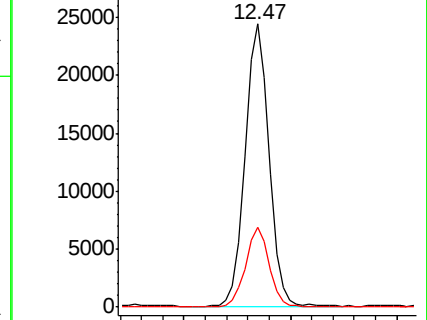
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.20 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Tgt Ion: 43 Resp: 8666

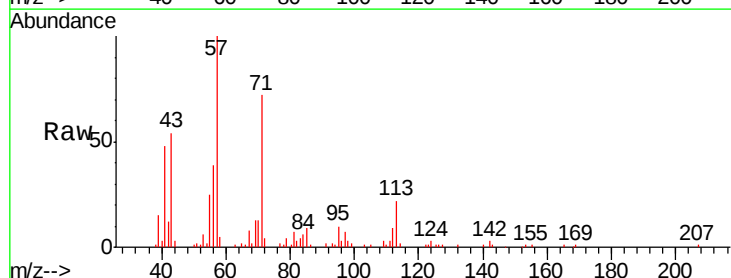
Ion Ratio Lower Upper

43 100

70 14.6 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#

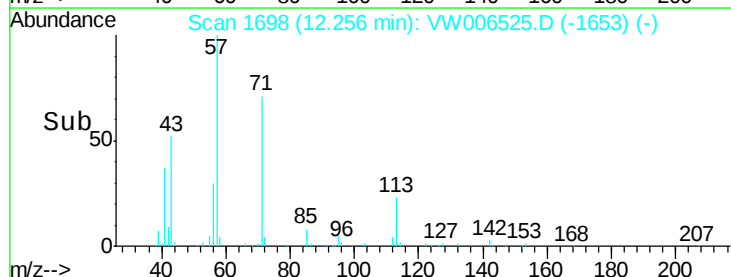
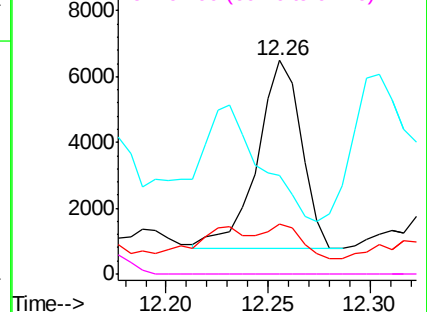


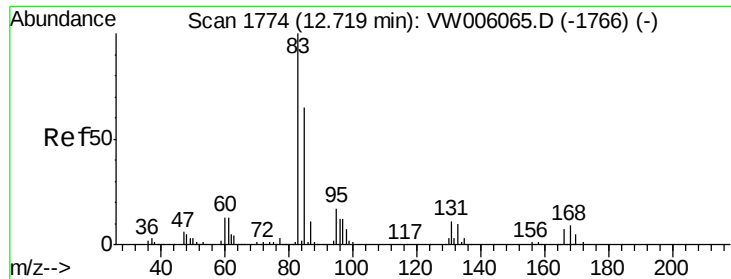
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 2.39 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-3

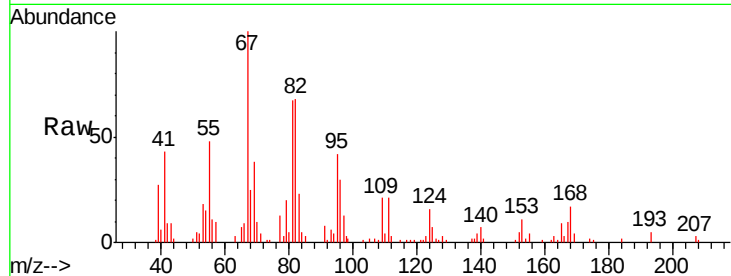
Tgt Ion: 83 Resp: 1764

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

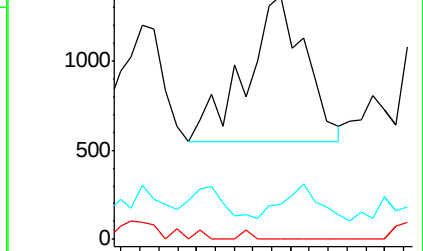
85 15.5 31.9 95.9#



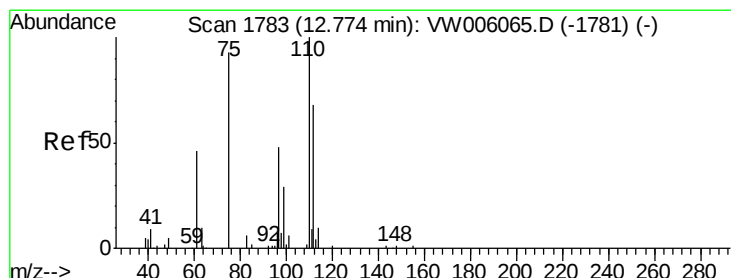
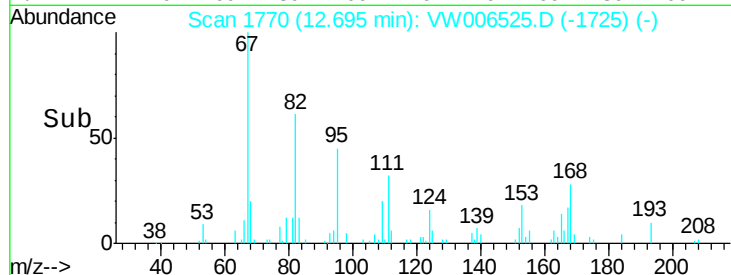
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 69.35 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006525.D

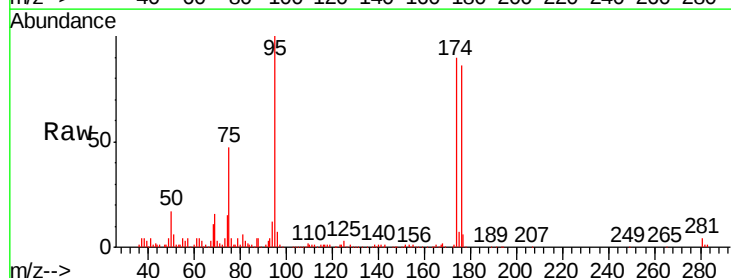
Acq: 31 Oct 2018 14:52

Tgt Ion: 75 Resp: 36363

Ion Ratio Lower Upper

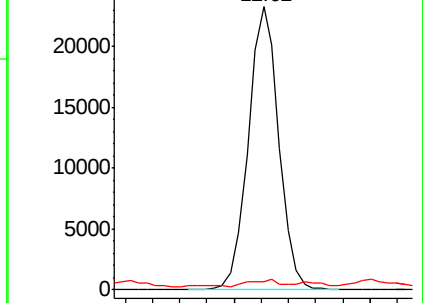
75 100

77 2.3 0.0 0.0#

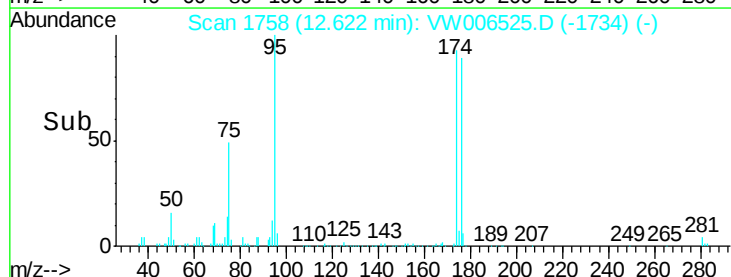


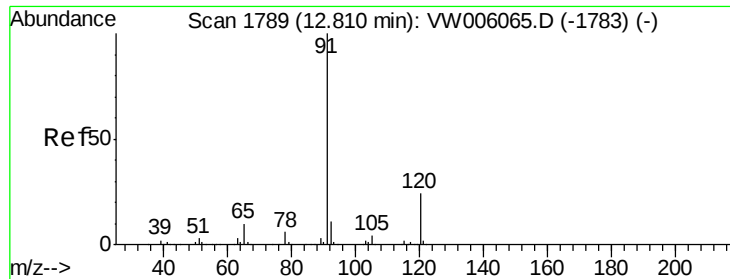
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#78

n-propylbenzene

Concen: 11.09 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

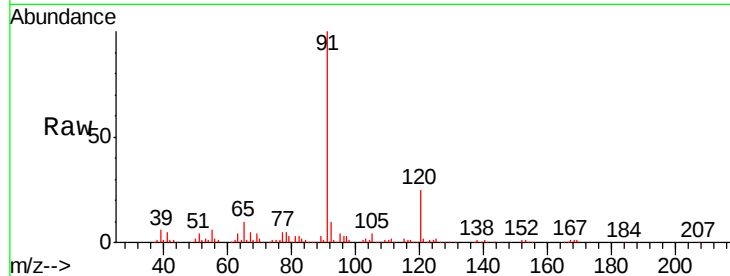
SB-3

Tgt Ion: 91 Resp: 62571

Ion Ratio Lower Upper

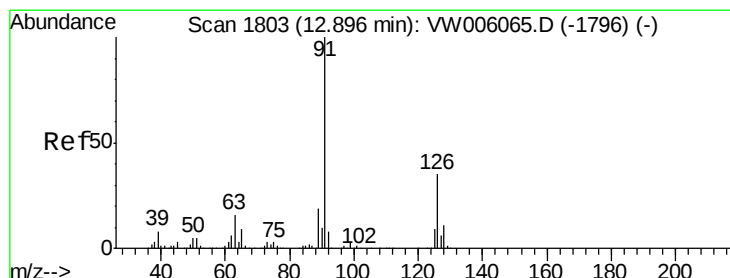
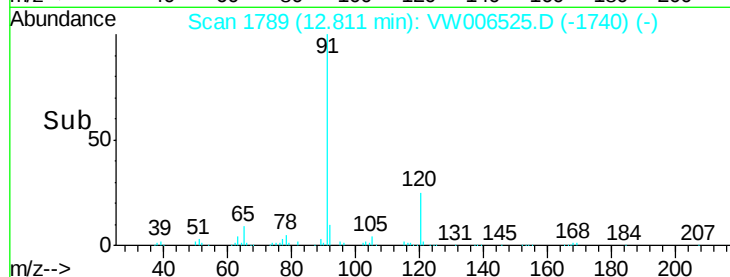
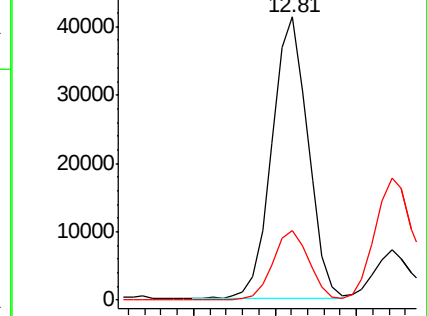
91 100

120 24.9 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.32 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW006525.D

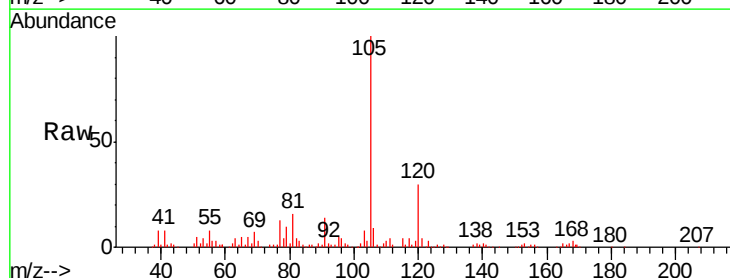
Acq: 31 Oct 2018 14:52

Tgt Ion: 91 Resp: 4197

Ion Ratio Lower Upper

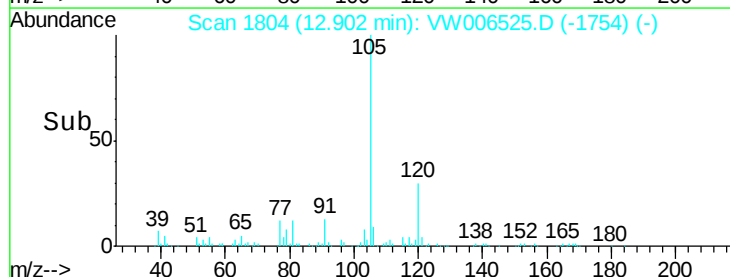
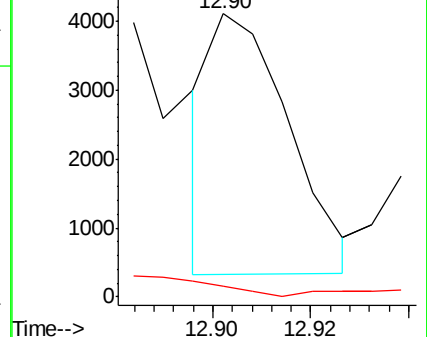
91 100

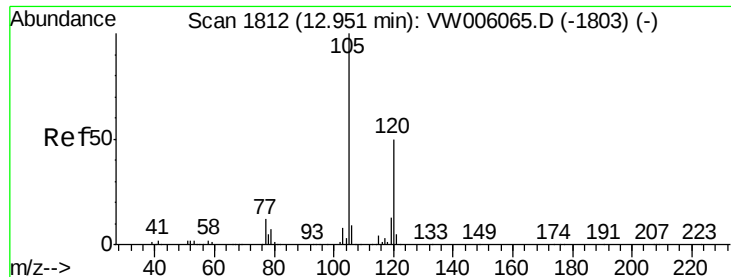
126 0.0 17.9 53.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

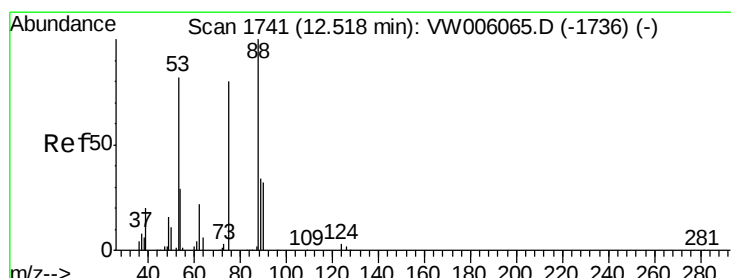
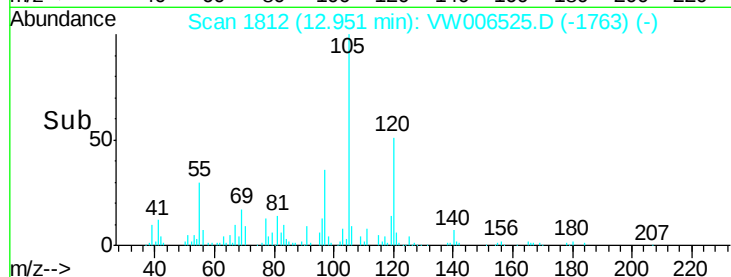
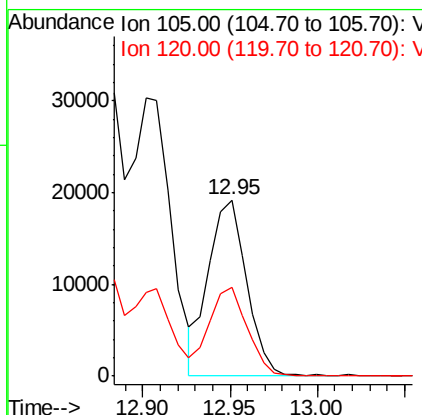
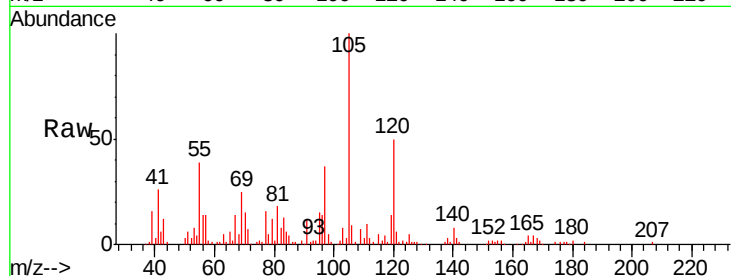




#80  
 1,3,5-Trimethylbenzene  
 Concen: 7.09 ug/l  
 RT: 12.95 min Scan# 1812  
 Delta R.T. 0.00 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

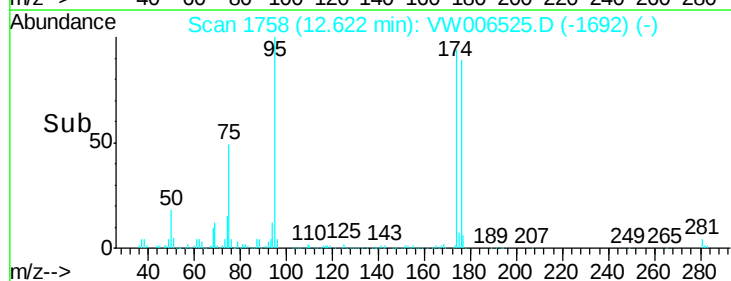
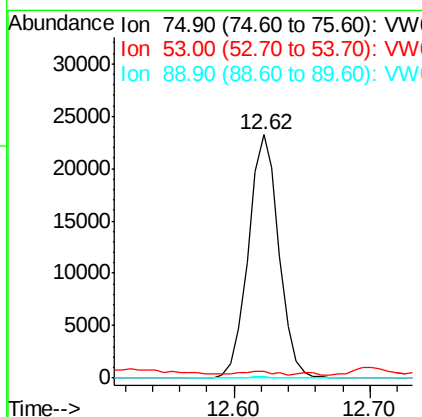
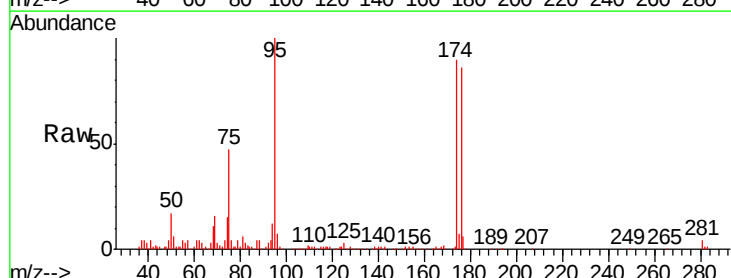
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-3

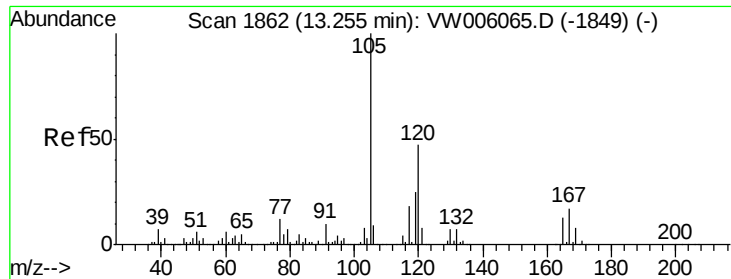
Tgt Ion: 105 Resp: 28971  
 Ion Ratio Lower Upper  
 105 100  
 120 50.9 24.9 74.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 165.78 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

Tgt Ion: 75 Resp: 36363  
 Ion Ratio Lower Upper  
 75 100  
 53 1.2 79.8 119.6#  
 89 0.5 37.5 56.3#

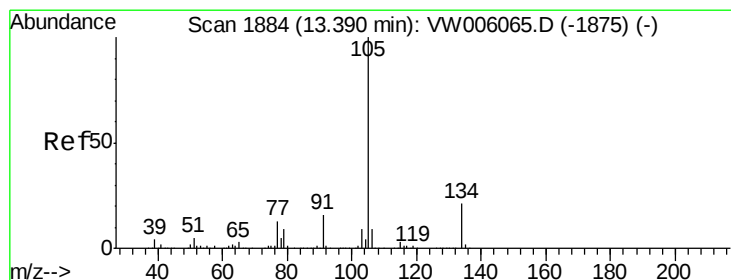
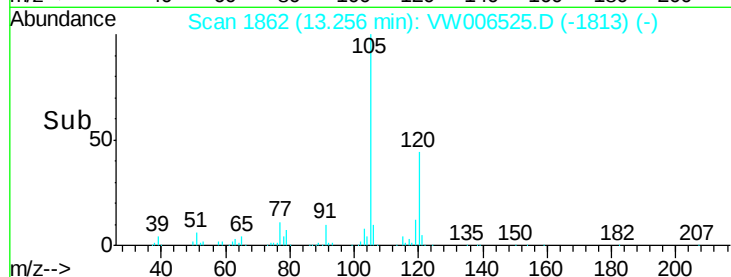
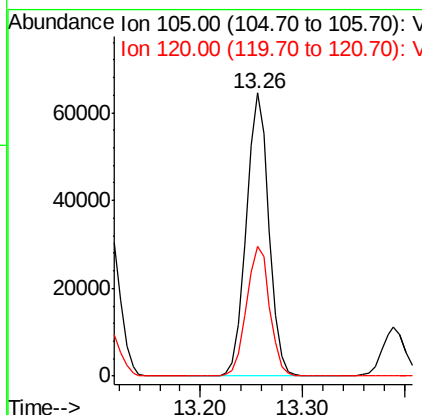
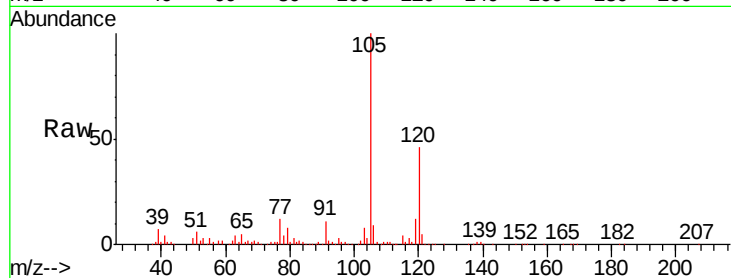




#84  
 1,2,4-Trimethylbenzene  
 Concen: 23.89 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

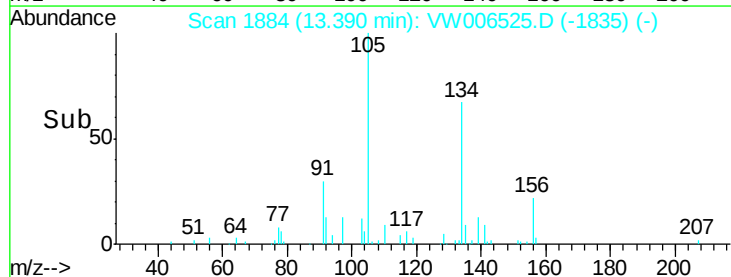
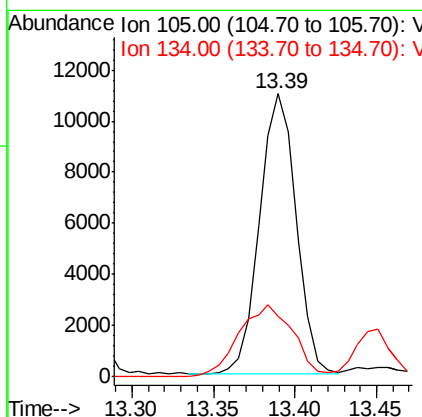
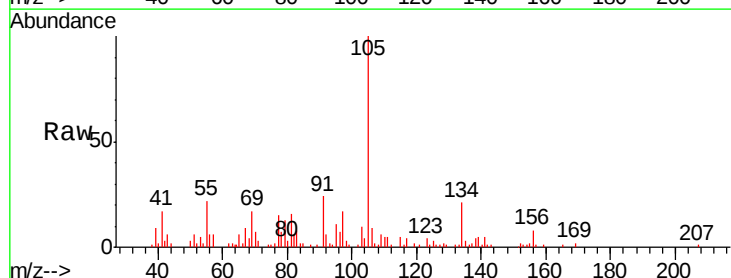
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-3

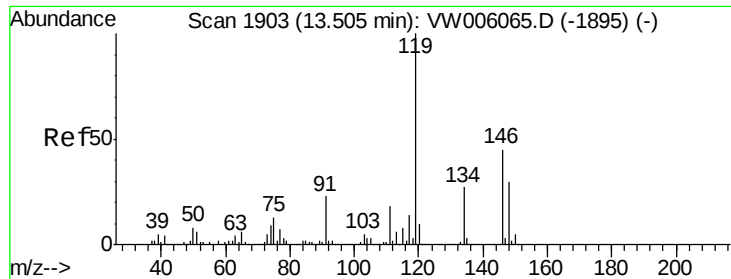
Tgt Ion:105 Resp: 98813  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 23.1 69.3



#85  
 sec-Butylbenzene  
 Concen: 3.32 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW006525.D  
 Acq: 31 Oct 2018 14:52

Tgt Ion:105 Resp: 17140  
 Ion Ratio Lower Upper  
 105 100  
 134 38.2 10.5 31.6#

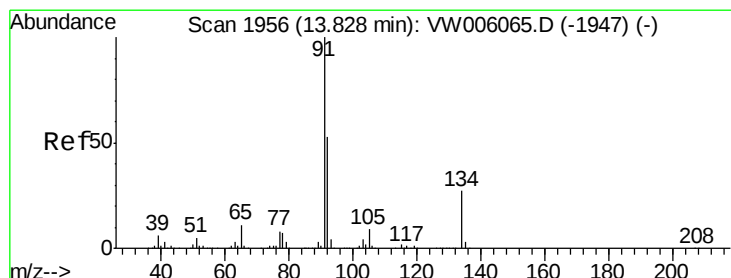
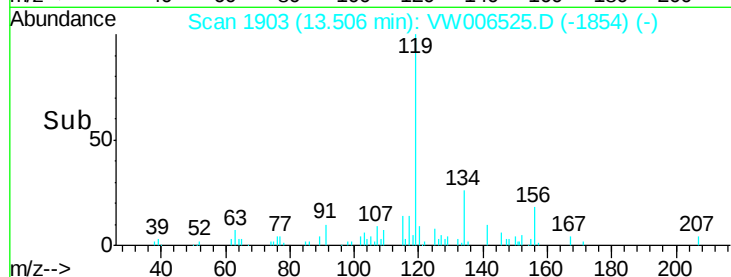
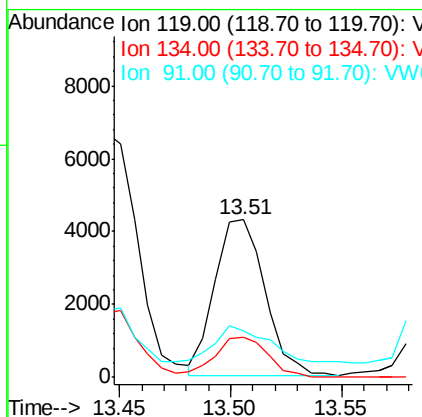
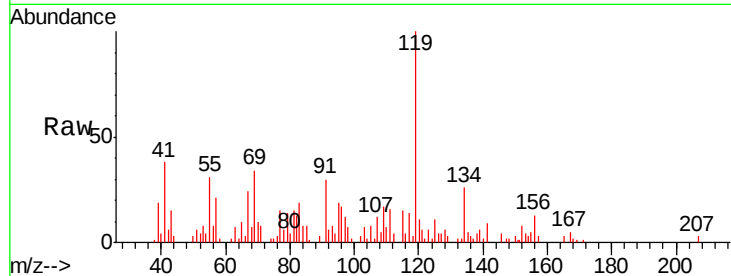




#86  
p-Isopropyltoluene  
Concen: 1.43 ug/l  
RT: 13.51 min Scan# 1903  
Delta R.T. 0.00 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

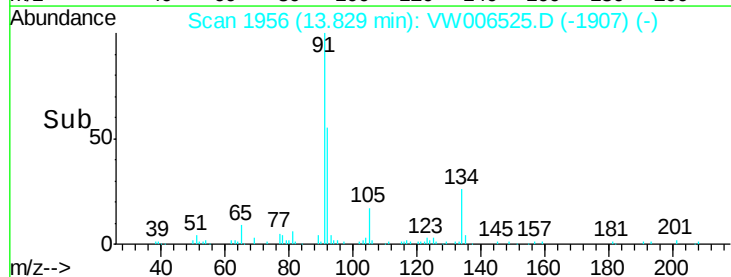
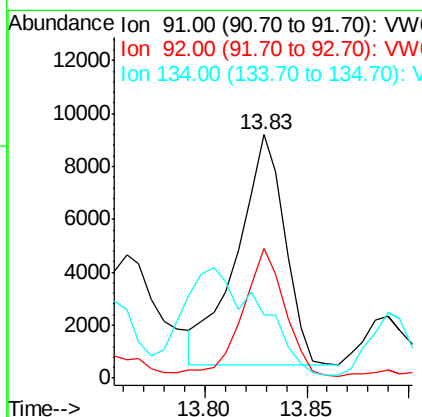
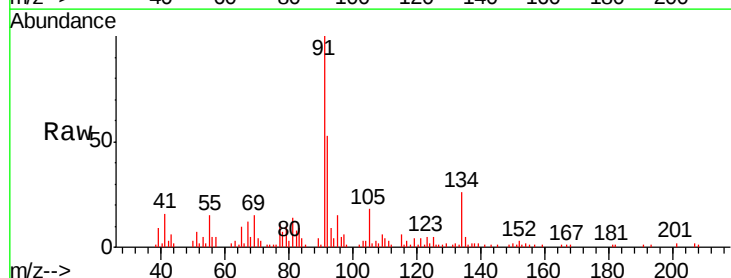
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-3

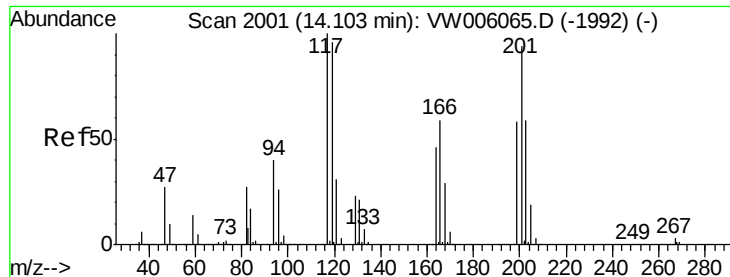
Tgt Ion: 119 Resp: 6677  
Ion Ratio Lower Upper  
119 100  
134 27.6 13.4 40.2  
91 26.5 11.4 34.1



#89  
n-Butylbenzene  
Concen: 3.33 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW006525.D  
Acq: 31 Oct 2018 14:52

Tgt Ion: 91 Resp: 14239  
Ion Ratio Lower Upper  
91 100  
92 51.5 26.6 79.7  
134 0.0 14.0 41.9#





#90

Hexachloroethane

Concen: 3.15 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampled :

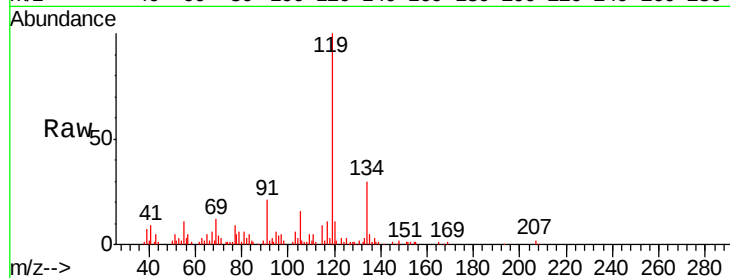
SB-3

Tgt Ion:117 Resp: 2490

Ion Ratio Lower Upper

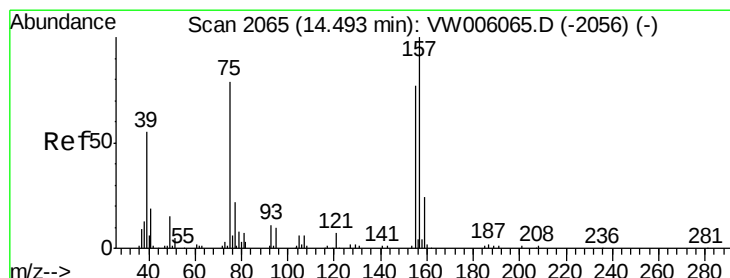
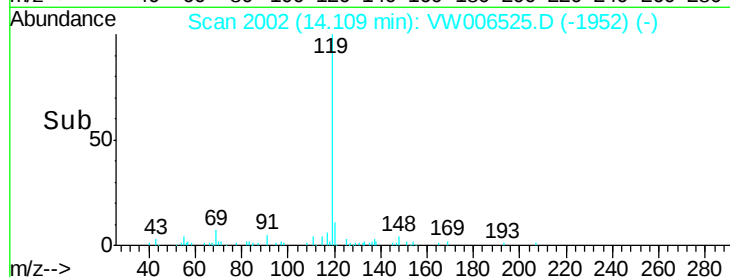
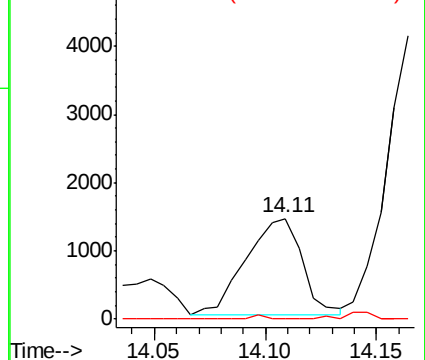
117 100

201 0.8 45.3 135.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.33 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

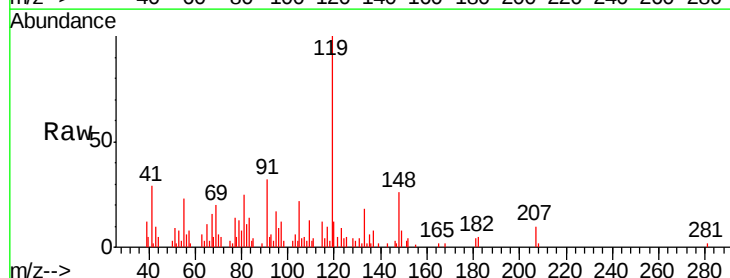
Tgt Ion: 75 Resp: 175

Ion Ratio Lower Upper

75 100

155 10.9 46.5 139.5#

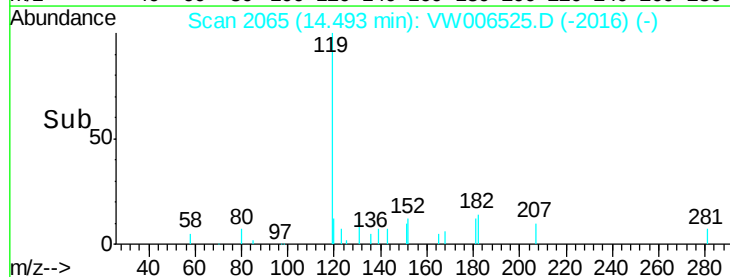
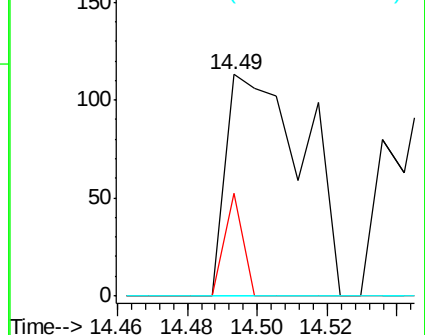
157 0.0 59.8 179.4#

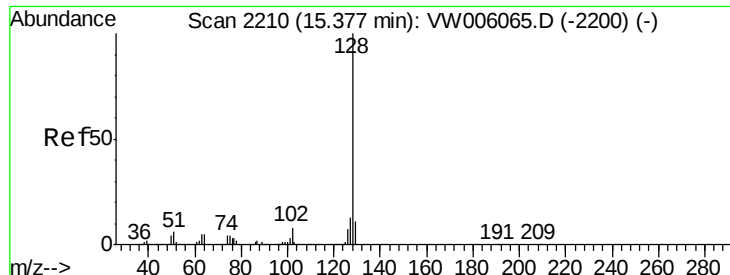


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.21 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006525.D

Acq: 31 Oct 2018 14:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-3

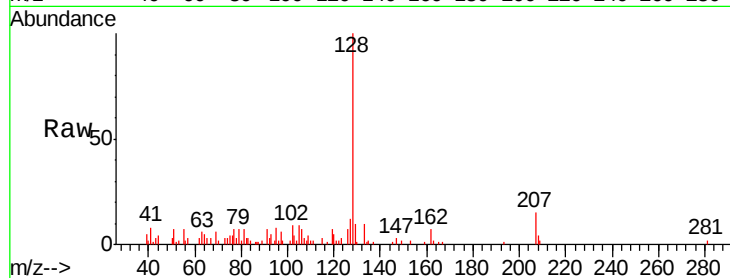
Tgt Ion:128 Resp: 8664

Ion Ratio Lower Upper

128 100

127 16.5 10.3 15.5#

129 5.9 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

