

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW121718\  
 Data File : VW007542.D  
 Acq On : 14 Dec 2018 18:10  
 Operator : SY/AP  
 Sample : J6357-09RE  
 Misc : 5.74G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-09BRE

Quant Time: Dec 15 00:43:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 66786    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 103041   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 75647    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 25990    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 35492    | 47.90  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 95.80%  |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 32040    | 51.37  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 102.74% |          |
| 50) Toluene-d8              | 10.32 | 98   | 112548   | 48.12  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 96.24%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 30358    | 35.30  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 70.60%  |          |

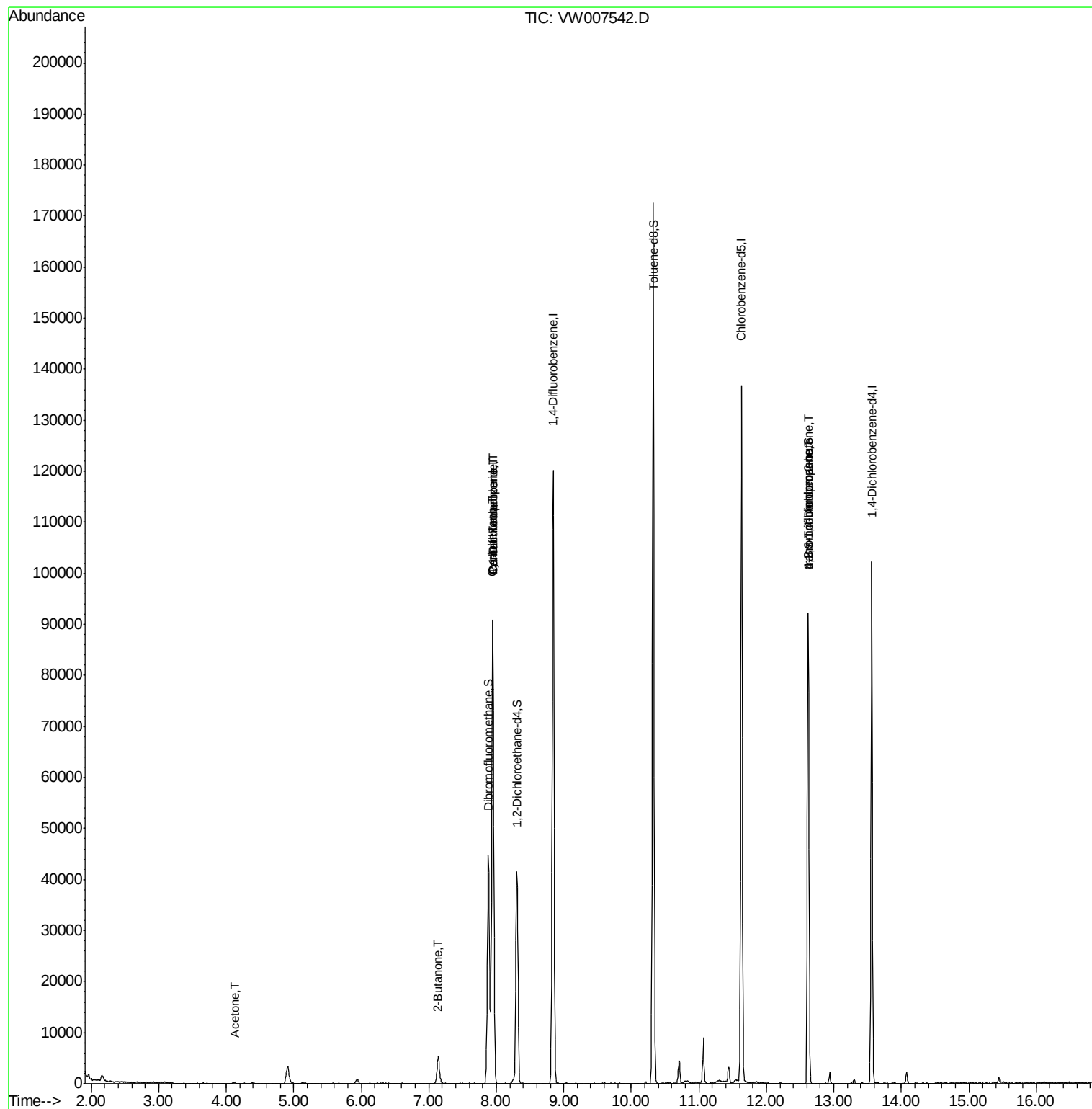
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 16) Acetone                    | 4.14  | 43   | 530      | 4.095     | ug/l   | 100    |
| 20) Methylene Chloride         | 4.91  | 84   | 2710     | Below Cal | #      | 89     |
| 25) 2-Butanone                 | 7.14  | 43   | 235      | 1.391     | ug/l # | 45     |
| 31) Cyclohexane                | 7.94  | 56   | 1409     | 1.224     | ug/l # | 49     |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 5100     | 5.426     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 7366     | 7.202     | ug/l # | 17     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 15708    | 73.301    | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 15708    | 161.922   | ug/l # | 7      |

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

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Sample : J6357-09RE  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-09BRE

Quant Time: Dec 15 00:43:26 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007542.D

Acq: 14 Dec 2018 18:10

Instrument :

MSVOA\_W

ClientSampleId :

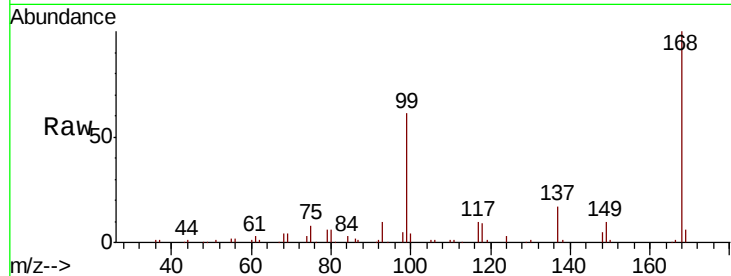
SB-09BRE

Tgt Ion: 168 Resp: 66786

Ion Ratio Lower Upper

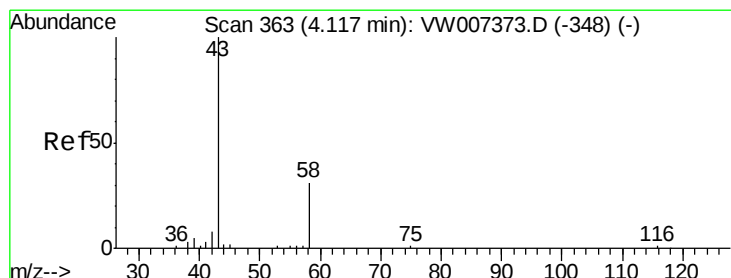
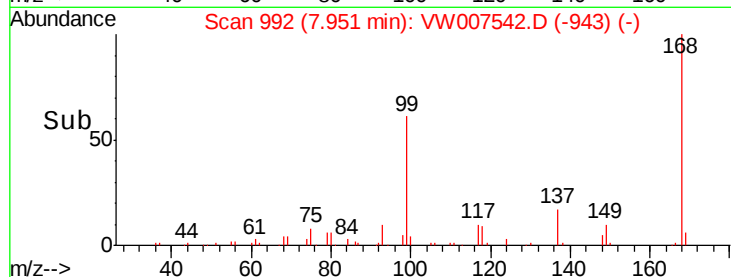
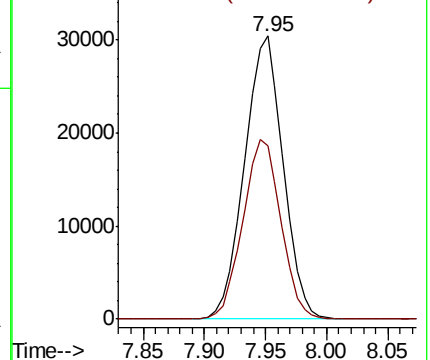
168 100

99 61.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 4.095 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW007542.D

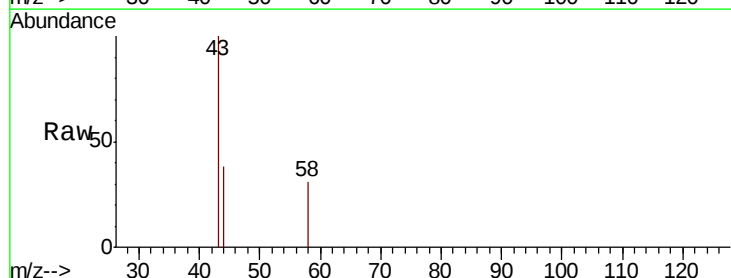
Acq: 14 Dec 2018 18:10

Tgt Ion: 43 Resp: 530

Ion Ratio Lower Upper

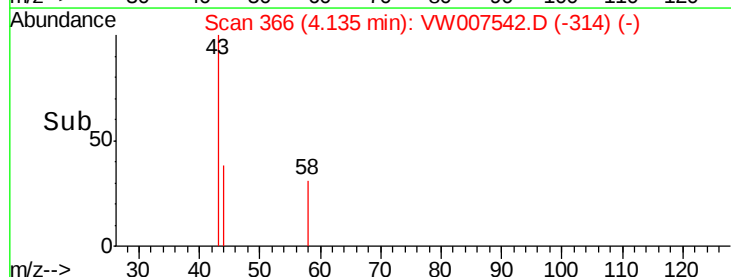
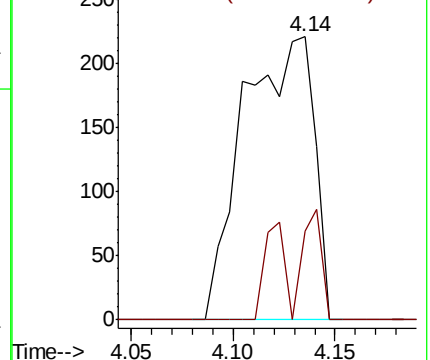
43 100

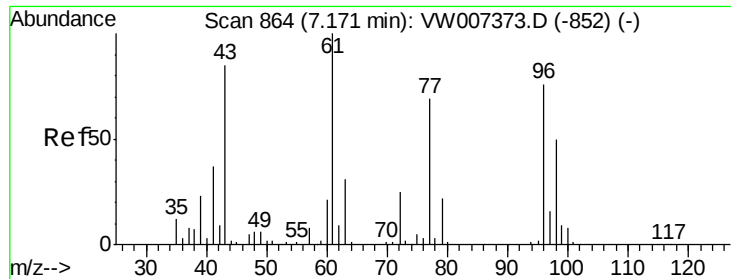
58 31.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.391 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007542.D

Acq: 14 Dec 2018 18:10

Instrument :

MSVOA\_W

ClientSampled :

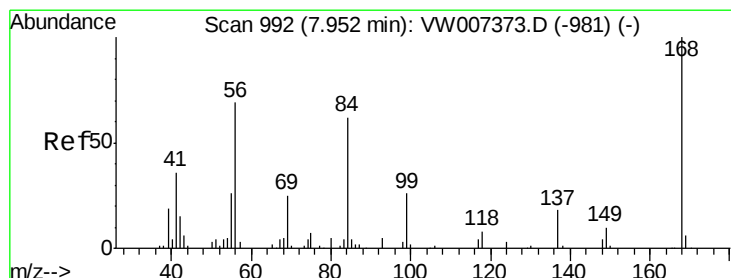
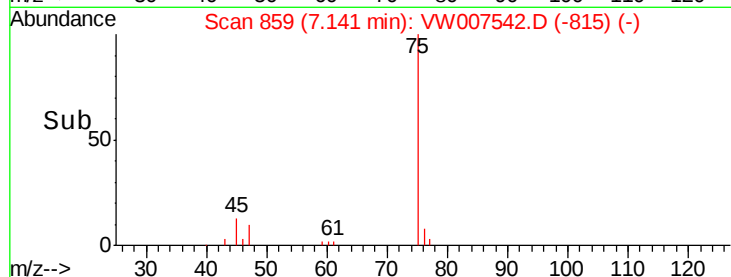
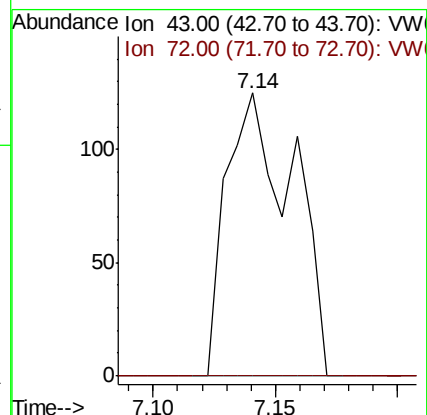
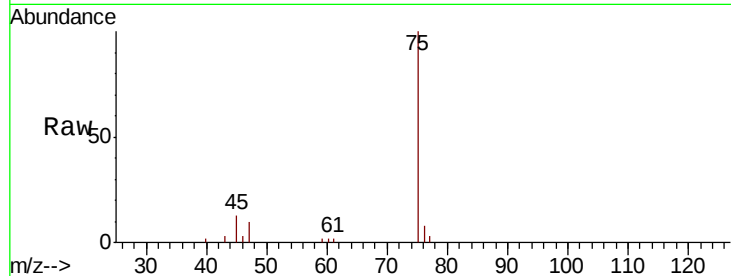
SB-09BRE

Tgt Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



#31

Cyclohexane

Concen: 1.224 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007542.D

Acq: 14 Dec 2018 18:10

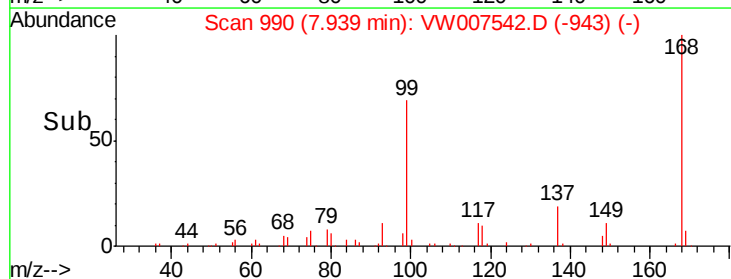
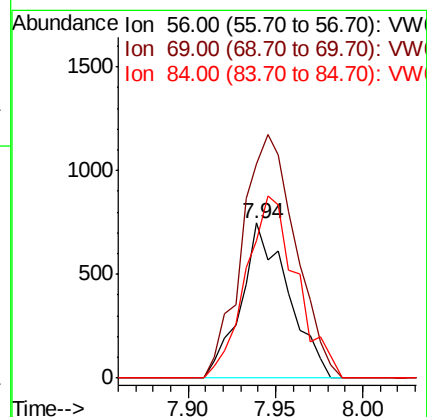
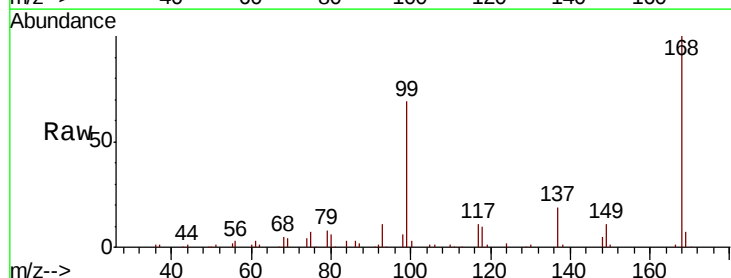
Tgt Ion: 56 Resp: 1409

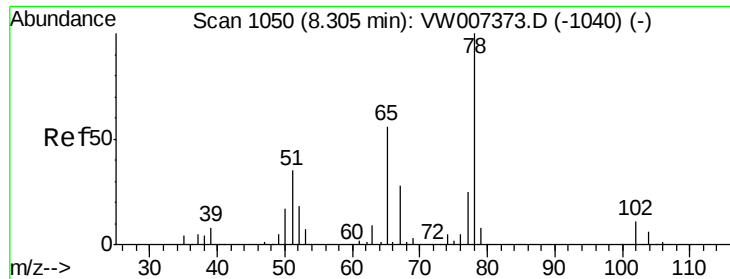
Ion Ratio Lower Upper

56 100

69 138.3 28.9 43.3#

84 88.5 71.8 107.6

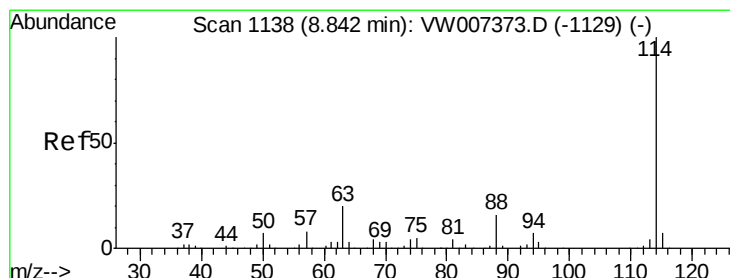
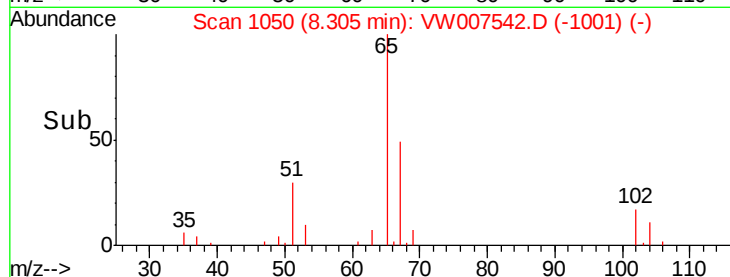
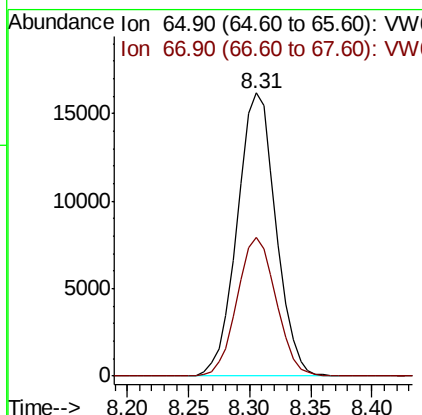
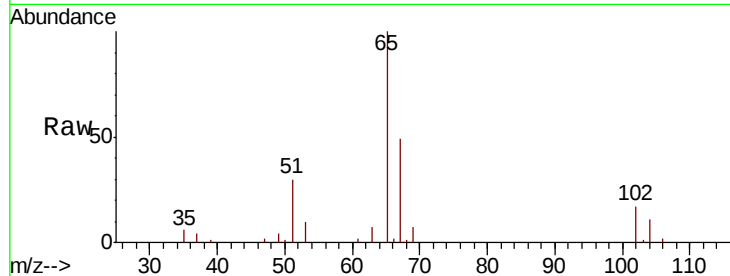




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.901 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW007542.D  
 Acq: 14 Dec 2018 18:10

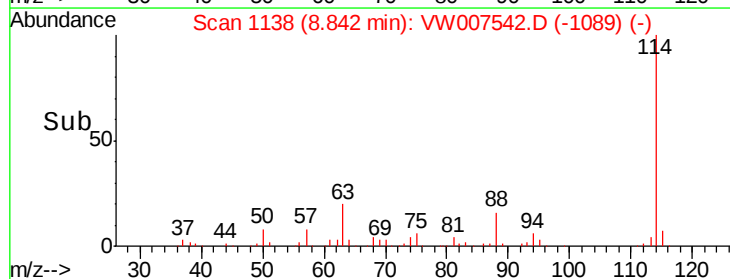
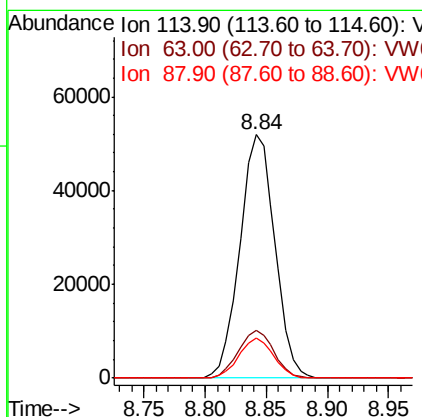
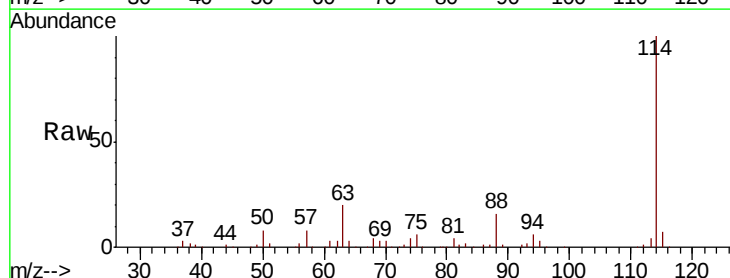
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-09BRE

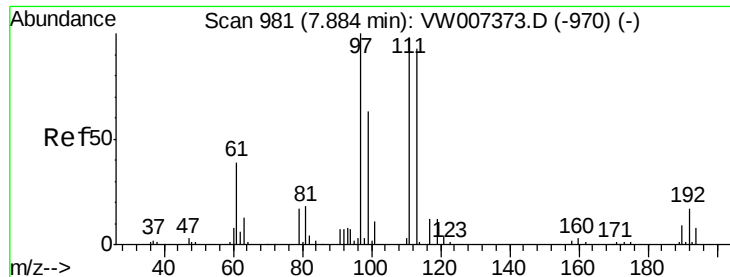
Tgt Ion: 65 Resp: 35492  
 Ion Ratio Lower Upper  
 65 100  
 67 49.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007542.D  
 Acq: 14 Dec 2018 18:10

Tgt Ion: 114 Resp: 103041  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.6  
 88 16.3 0.0 31.4

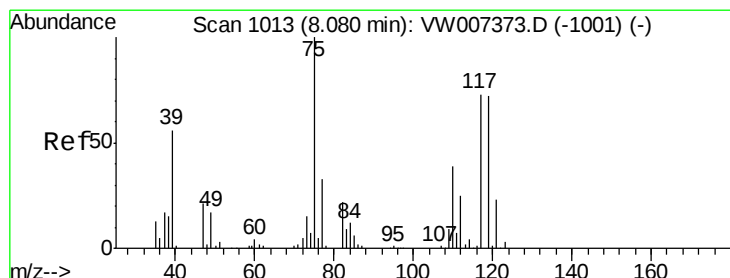
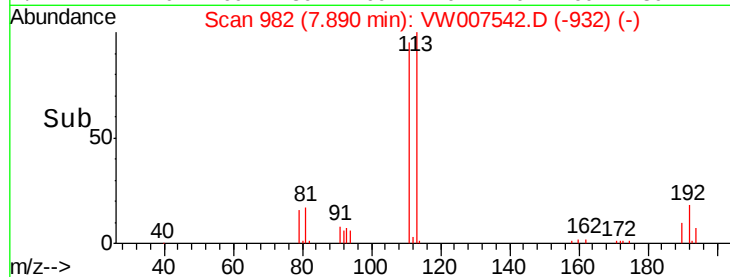
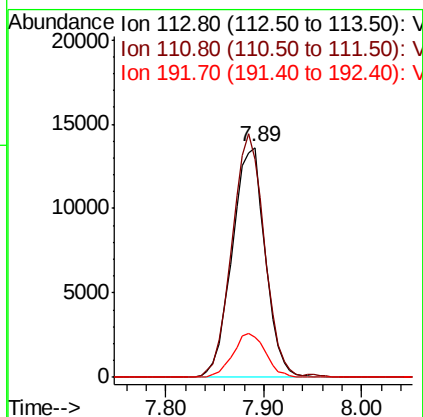
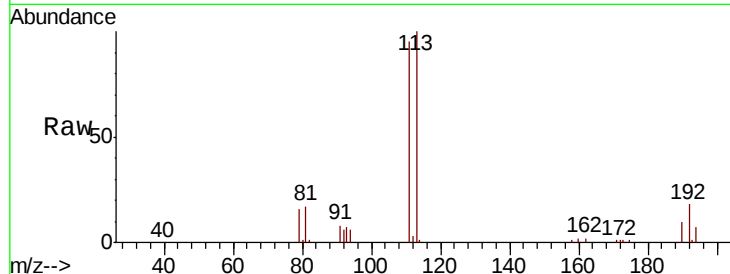




#35  
 Dibromofluoromethane  
 Concen: 51.367 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW007542.D  
 Acq: 14 Dec 2018 18:10

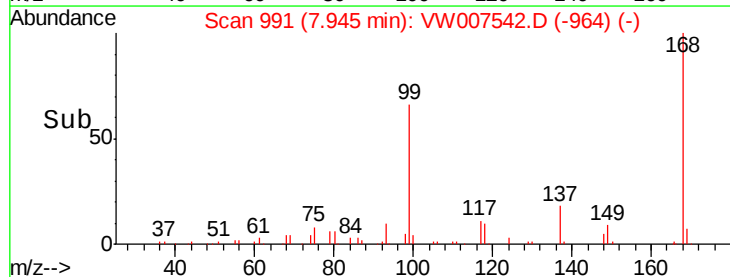
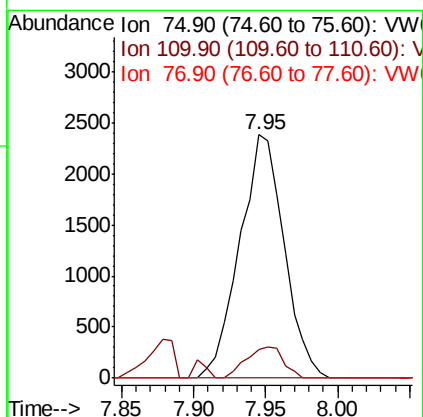
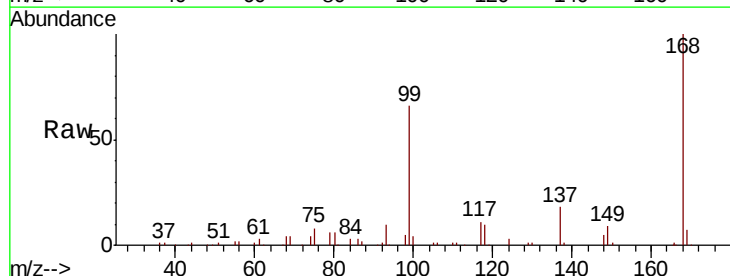
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-09BRE

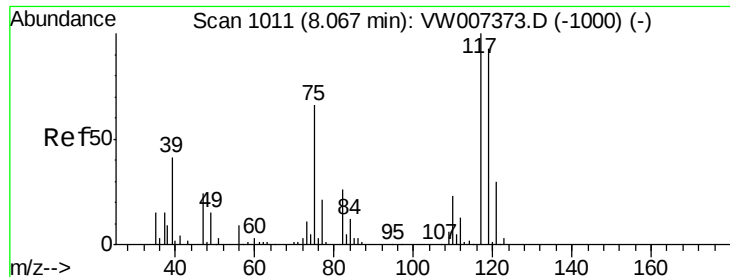
Tgt Ion:113 Resp: 32040  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 81.1 121.7  
 192 18.7 14.6 21.8



#36  
 1,1-Dichloropropene  
 Concen: 5.426 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW007542.D  
 Acq: 14 Dec 2018 18:10

Tgt Ion: 75 Resp: 5100  
 Ion Ratio Lower Upper  
 75 100  
 110 10.6 18.5 55.5#  
 77 0.0 25.6 38.4#

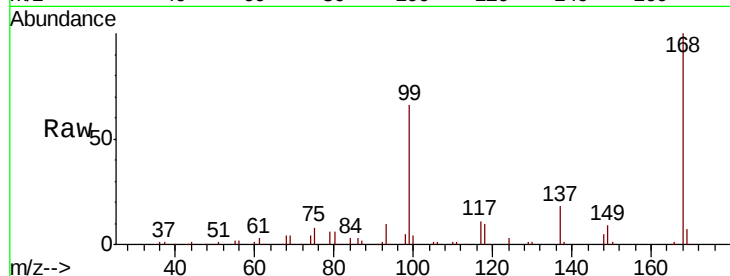




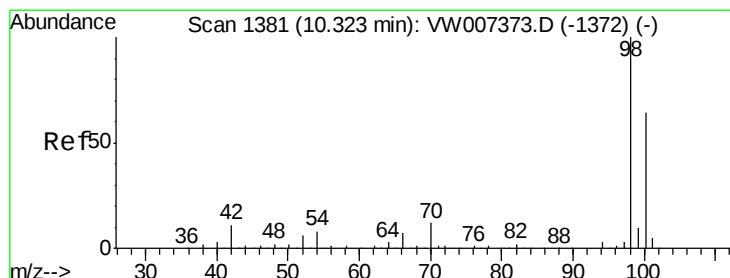
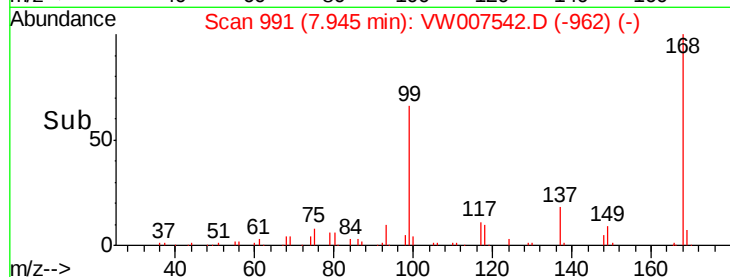
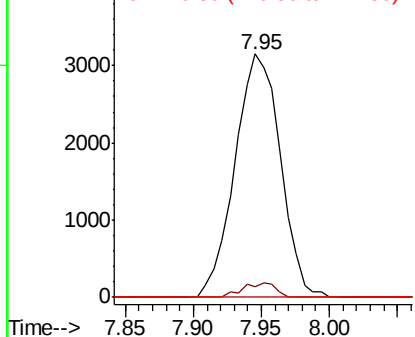
#38  
Carbon Tetrachloride  
Concen: 7.202 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.12 min  
Lab File: VW007542.D  
Acq: 14 Dec 2018 18:10

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-09BRE

Tgt Ion: 117 Resp: 7366  
Ion Ratio Lower Upper  
117 100  
119 4.4 74.3 111.5#  
121 0.0 24.3 36.5#

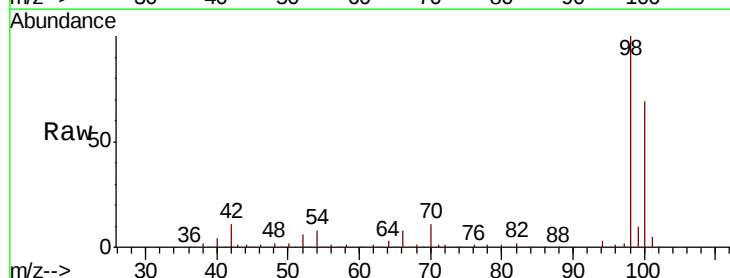


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

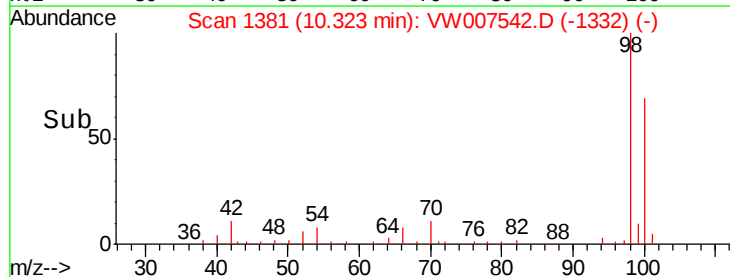
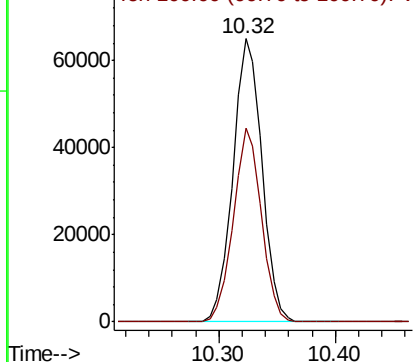


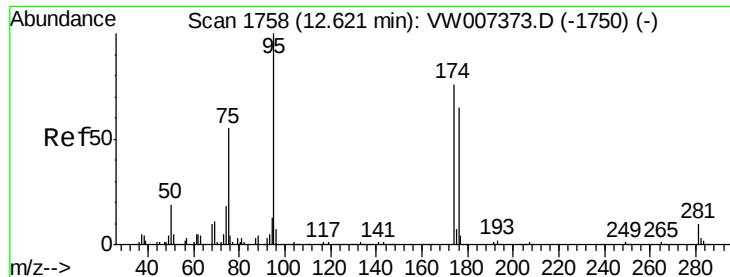
#50  
Toluene-d8  
Concen: 48.124 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW007542.D  
Acq: 14 Dec 2018 18:10

Tgt Ion: 98 Resp: 112548  
Ion Ratio Lower Upper  
98 100  
100 66.0 51.8 77.8



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

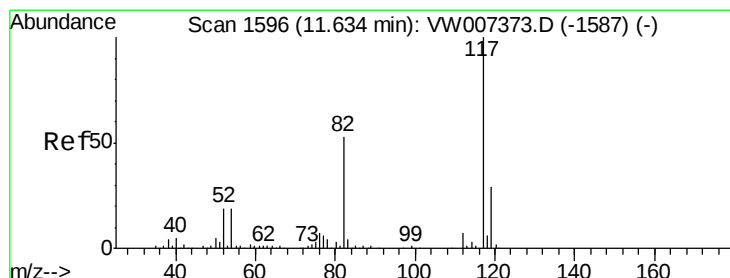
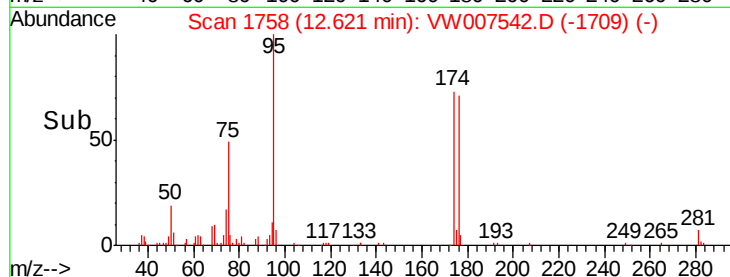
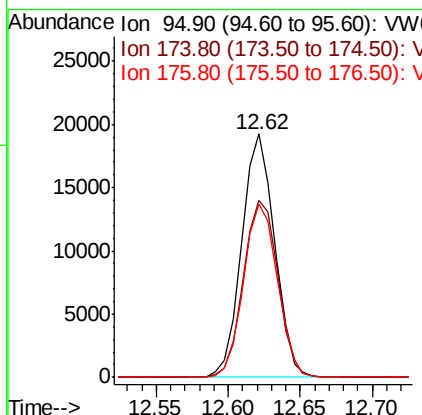
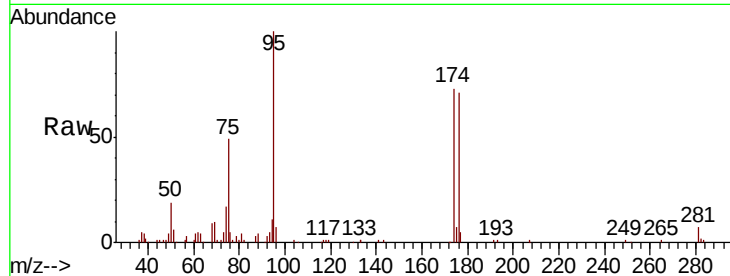




#62  
4-Bromofluorobenzene  
Concen: 35.305 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW007542.D  
Acq: 14 Dec 2018 18:10

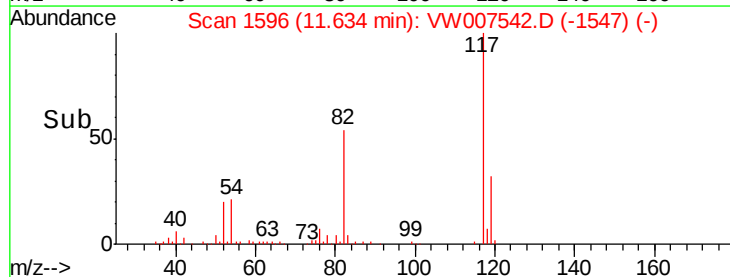
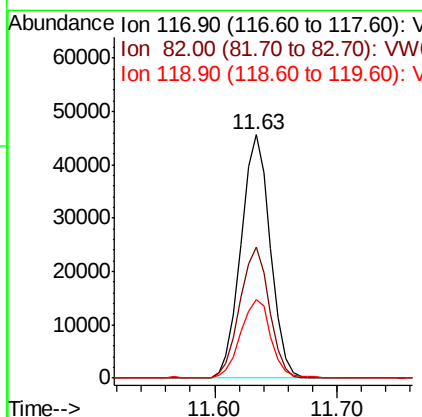
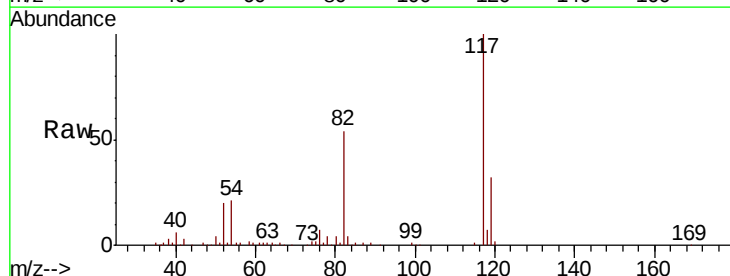
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-09BRE

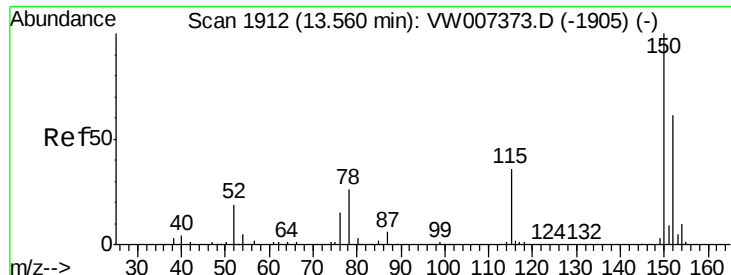
Tgt Ion: 95 Resp: 30358  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 147.2  
176 73.8 0.0 138.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007542.D  
Acq: 14 Dec 2018 18:10

Tgt Ion: 117 Resp: 75647  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.3 63.5  
119 32.1 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007542.D

Acq: 14 Dec 2018 18:10

Instrument :

MSVOA\_W

ClientSampleId :

SB-09BRE

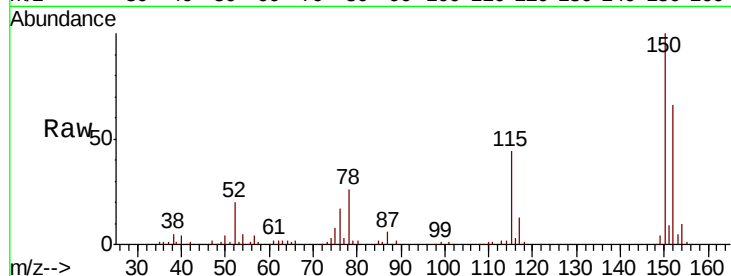
Tgt Ion: 152 Resp: 25990

Ion Ratio Lower Upper

152 100

115 63.5 31.4 94.2

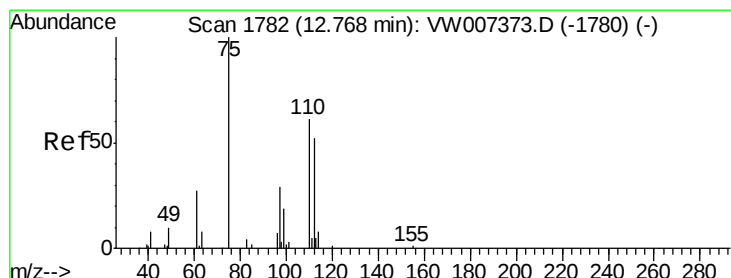
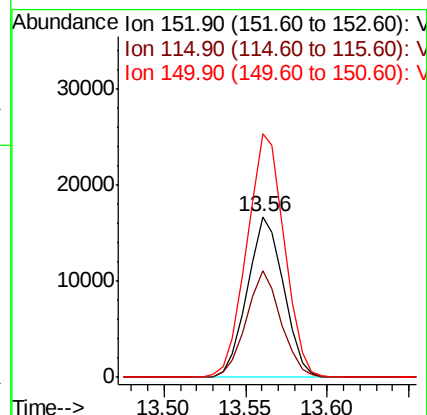
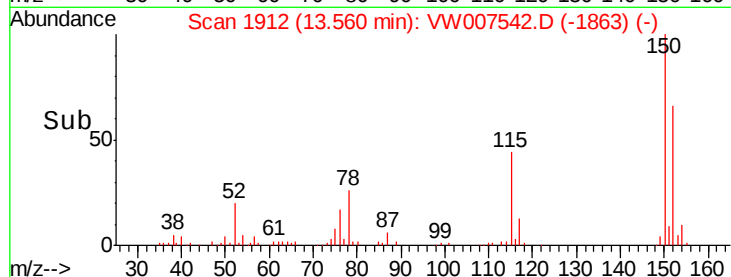
150 156.1 0.0 358.4



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



#76

1,2,3-Trichloropropane

Concen: 73.301 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007542.D

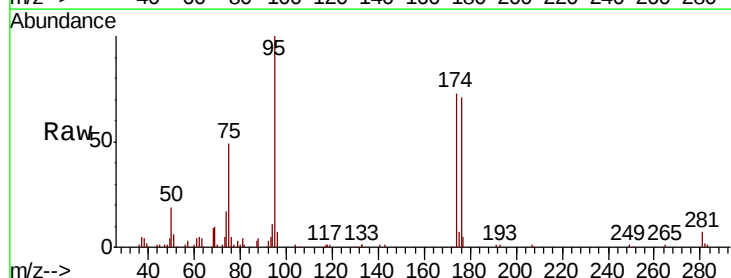
Acq: 14 Dec 2018 18:10

Tgt Ion: 75 Resp: 15708

Ion Ratio Lower Upper

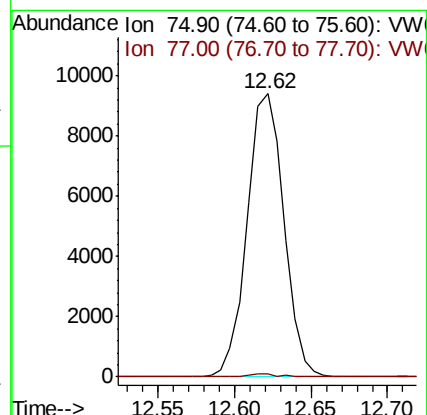
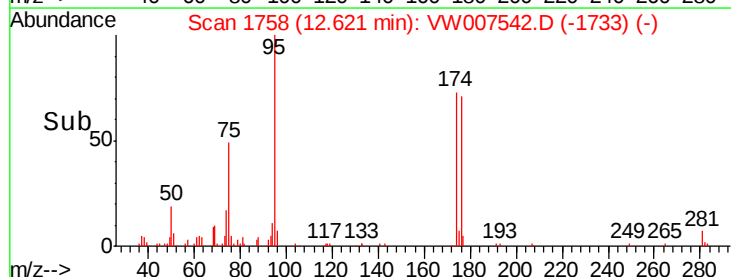
75 100

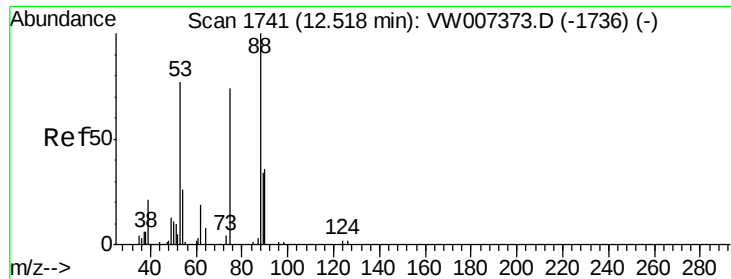
77 0.8 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 161.922 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007542.D

Acq: 14 Dec 2018 18:10

Instrument :

MSVOA\_W

ClientSampleId :

SB-09BRE

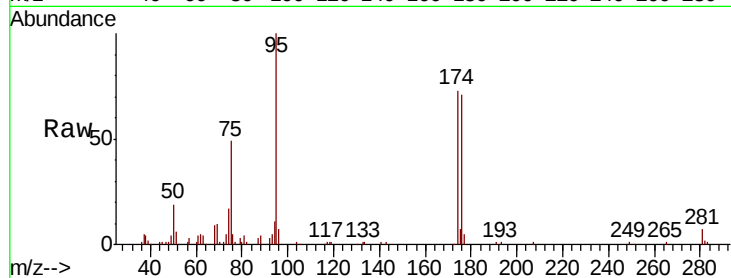
Tgt Ion: 75 Resp: 15708

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

