

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\  
 Data File : VW007118.D  
 Acq On : 28 Nov 2018 17:15  
 Operator : VAY/AP  
 Sample : J6079-03RE  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 J-3RE

Quant Time: Nov 29 04:36:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 03:23:02 2018  
 Response via : Initial Calibration

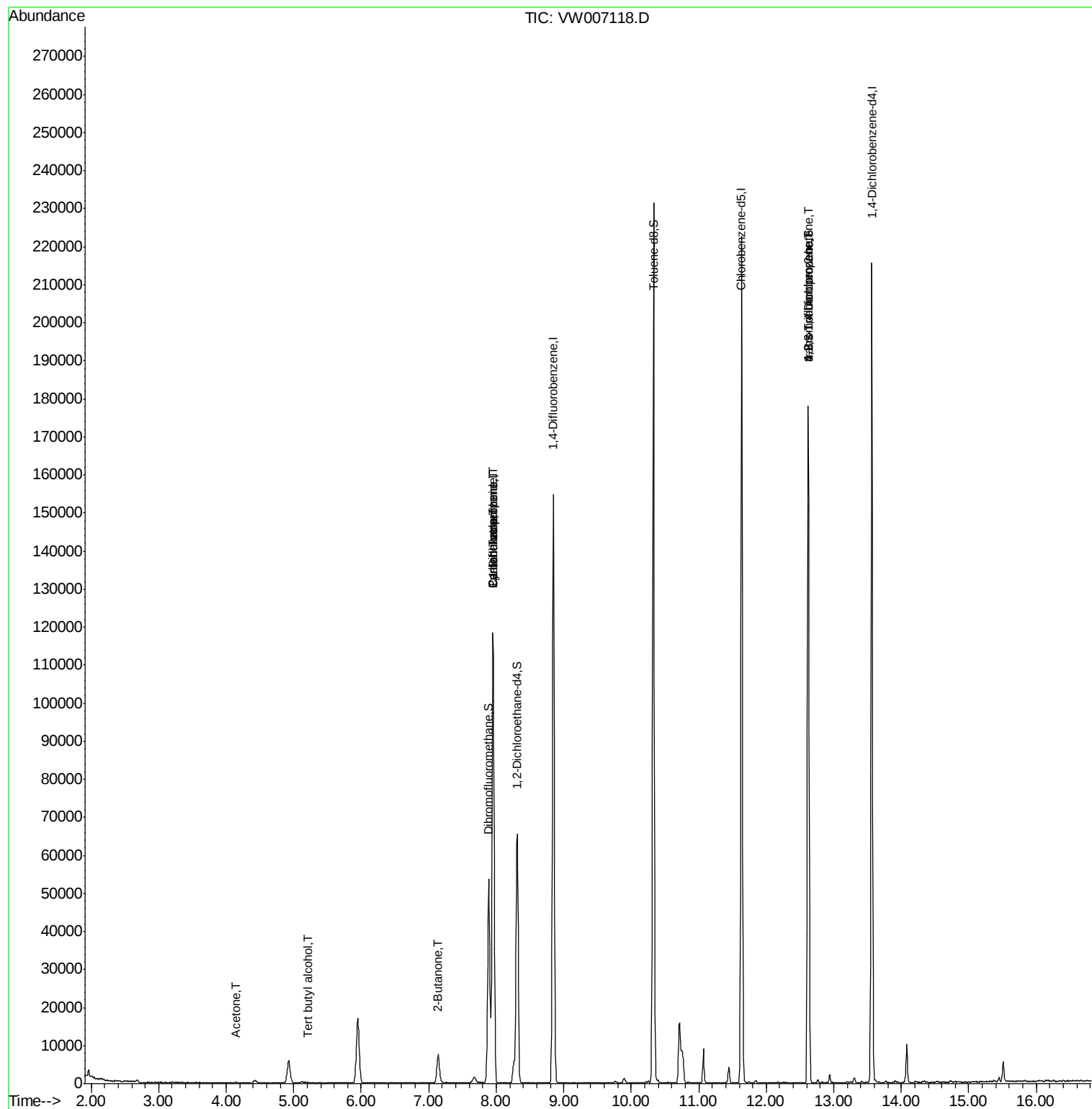
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95   | 168  | 88347    | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.85   | 114  | 135235   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63  | 117  | 124313   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.57  | 152  | 57335    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31   | 65   | 52294    | 60.46     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 120.92% |          |
| 35) Dibromofluoromethane       | 7.89   | 113  | 39655    | 51.92     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 103.84% |          |
| 50) Toluene-d8                 | 10.33  | 98   | 156213   | 46.32     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 92.64%  |          |
| 62) 4-Bromofluorobenzene       | 12.62  | 95   | 58025    | 43.72     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 87.44%  |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 11) Tert butyl alcohol         | 5.20   | 59   | 86       | 1.527     | ug/l #  | 71       |
| 16) Acetone                    | 4.14   | 43   | 454      | 3.615     | ug/l    | 89       |
| 20) Methylene Chloride         | 4.93   | 84   | 4788     | Below Cal | #       | 90       |
| 25) 2-Butanone                 | 7.13   | 43   | 332      | 1.544     | ug/l #  | 48       |
| 31) Cyclohexane                | 7.96   | 56   | 1719     | 1.032     | ug/l #  | 14       |
| 36) 1,1-Dichloropropene        | 7.95   | 75   | 6627     | 5.015     | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.95   | 117  | 8946     | 7.069     | ug/l #  | 18       |
| 76) 1,2,3-Trichloropropane     | 12.62  | 75   | 28256    | 62.717    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62  | 75   | 28256    | 157.456   | ug/l #  | 10       |

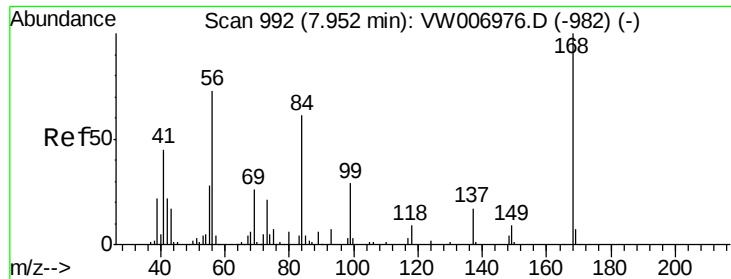
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112818\  
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Quant Time: Nov 29 04:36:56 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 03:23:02 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: VW007118.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA\_W

ClientSampleId :

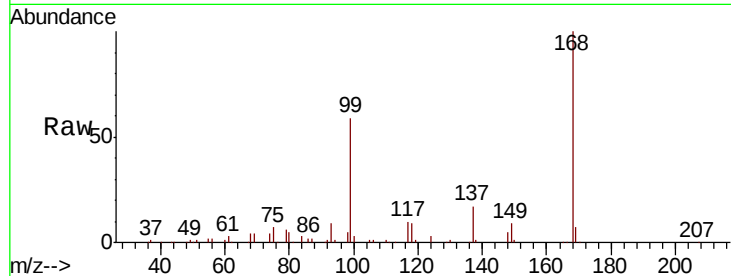
J-3RE

Tot Ion:168 Resp: 88347

Ion Ratio Lower Upper

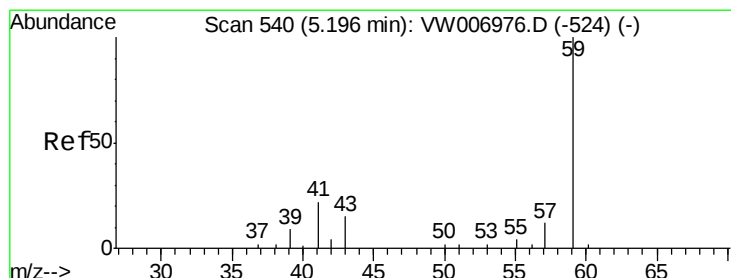
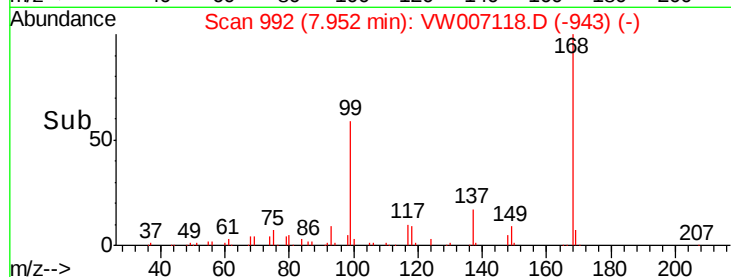
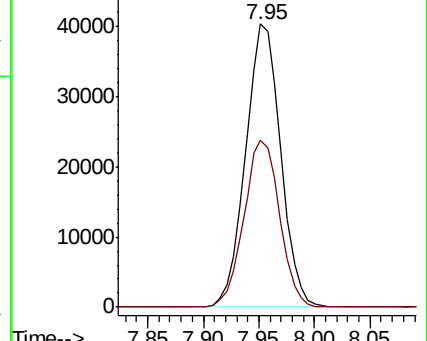
168 100

99 58.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.527 ug/l

RT: 5.20 min Scan# 540

Delta R.T. -0.00 min

Lab File: VW007118.D

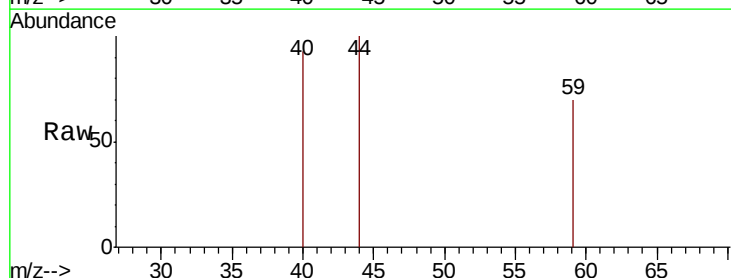
Acq: 28 Nov 2018 17:15

Tgt Ion: 59 Resp: 86

Ion Ratio Lower Upper

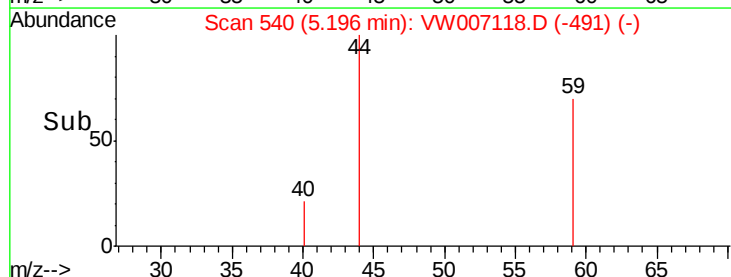
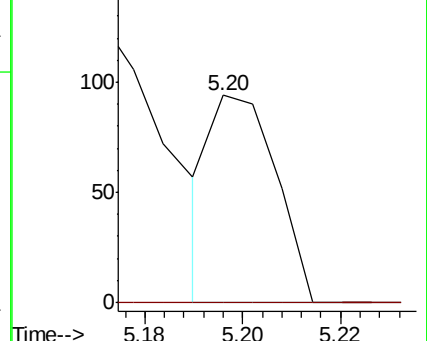
59 100

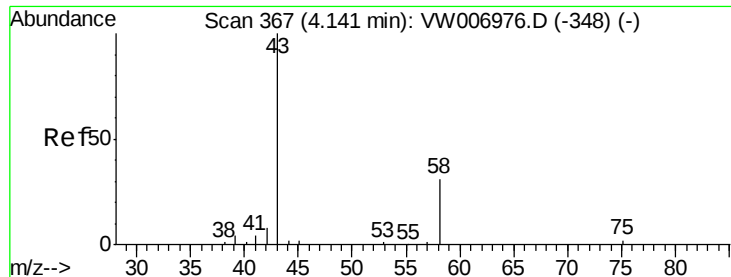
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.615 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA\_W

ClientSampled :

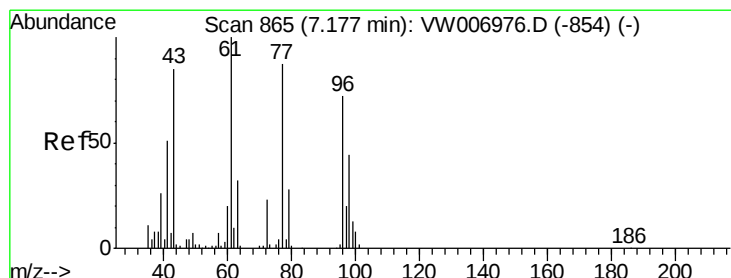
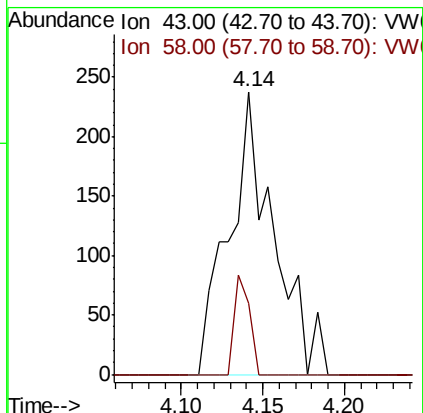
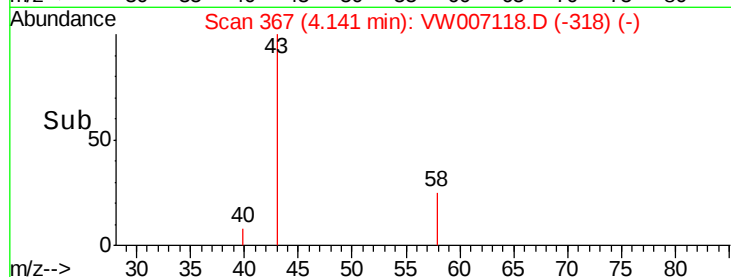
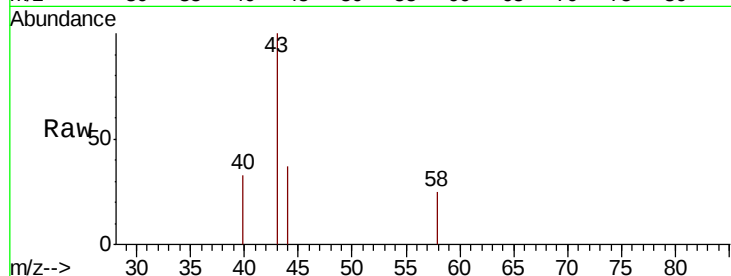
J-3RE

Tot Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

58 25.2 24.8 37.2



#25

2-Butanone

Concen: 1.544 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.05 min

Lab File: VW007118.D

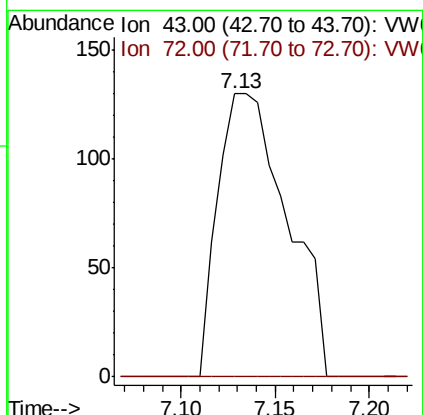
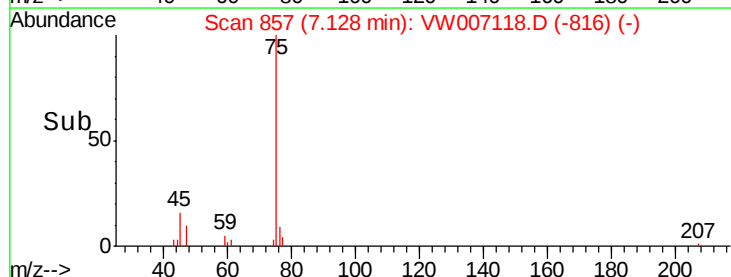
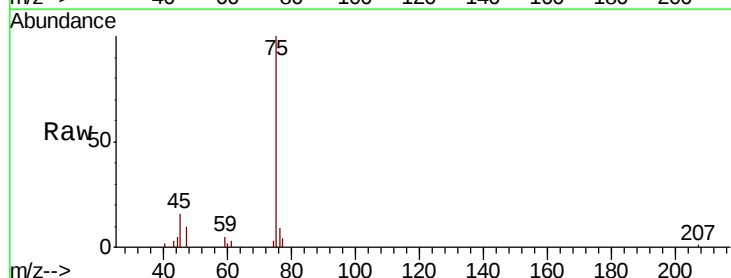
Acq: 28 Nov 2018 17:15

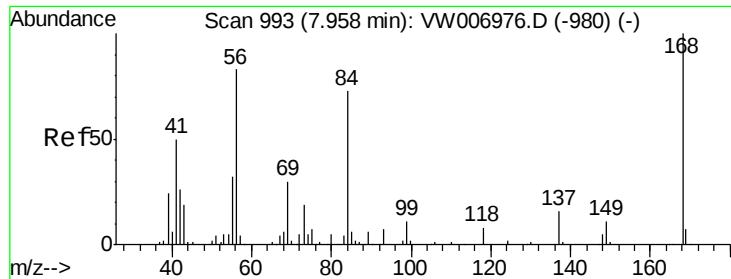
Tgt Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#

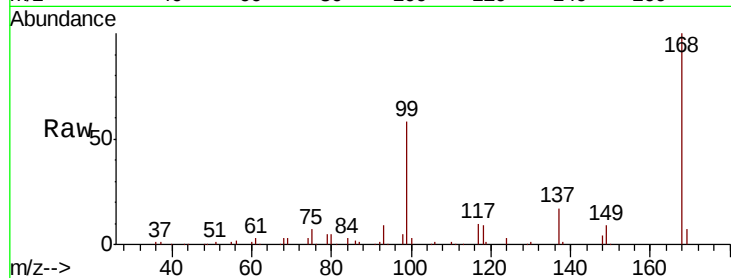




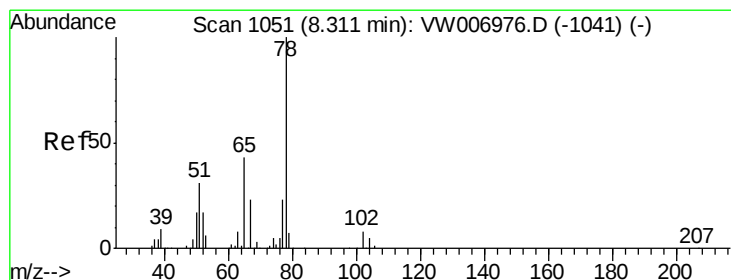
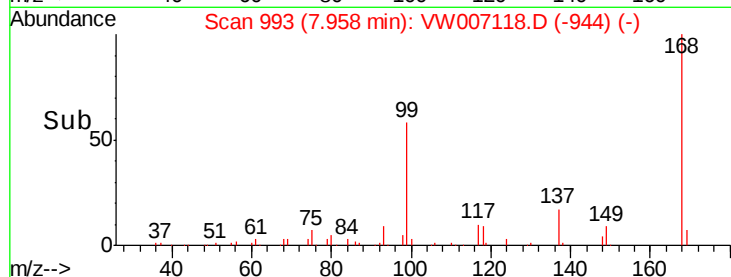
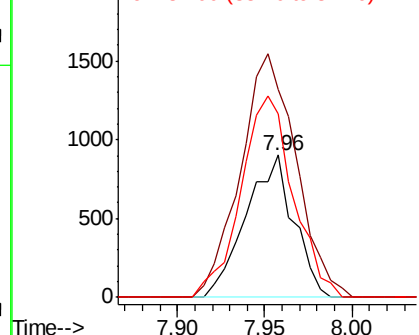
#31  
Cyclohexane  
Concen: 1.032 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW007118.D  
Acq: 28 Nov 2018 17:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
J-3RE

Tot Ion: 56 Resp: 1719  
Ion Ratio Lower Upper  
56 100  
69 146.2 29.1 43.7#  
84 129.4 70.6 105.8#

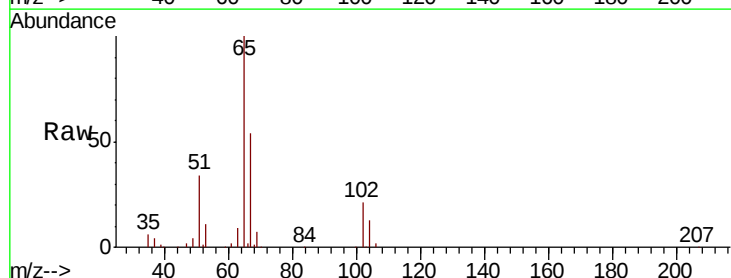


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

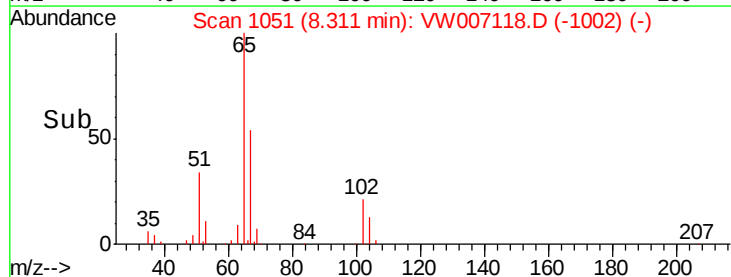
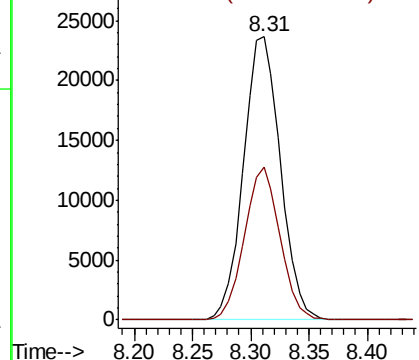


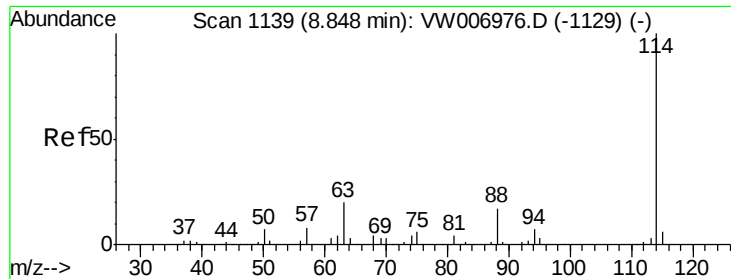
#33  
1,2-Dichloroethane-d4  
Concen: 60.460 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW007118.D  
Acq: 28 Nov 2018 17:15

Tgt Ion: 65 Resp: 52294  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 106.2



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

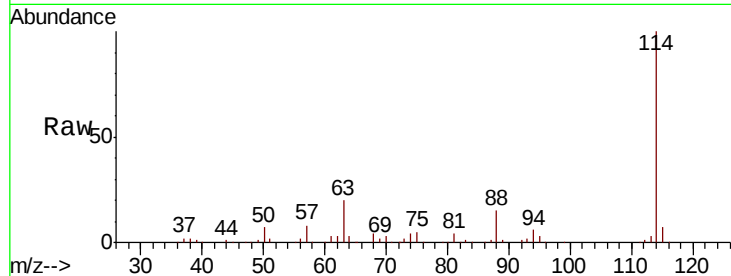




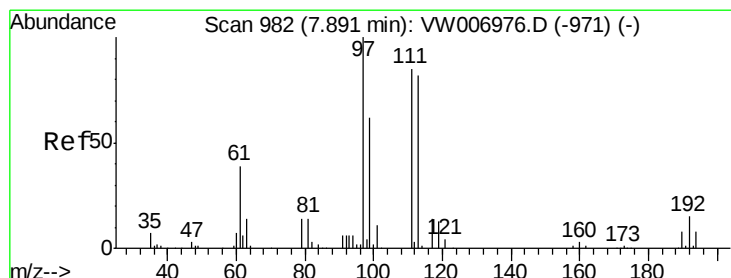
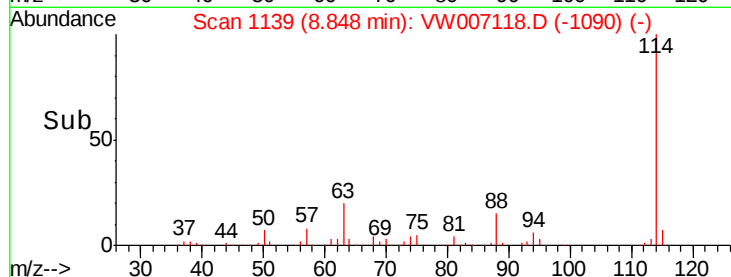
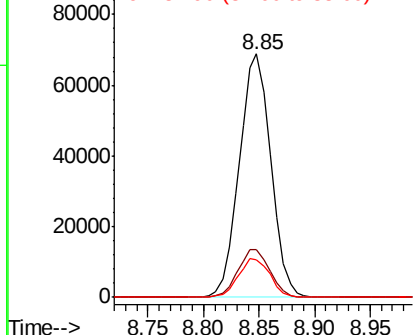
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.00 min  
Lab File: VW007118.D  
Acq: 28 Nov 2018 17:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
J-3RE

Tot Ion:114 Resp: 135235  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 39.4  
88 15.4 0.0 34.2

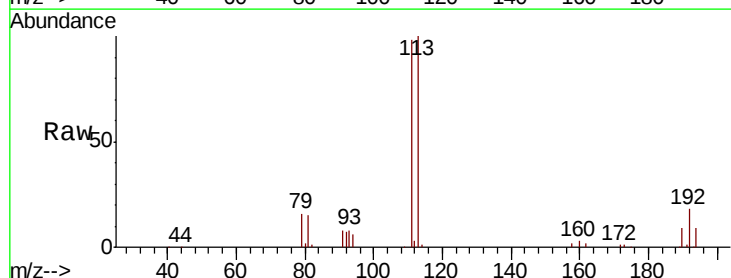


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

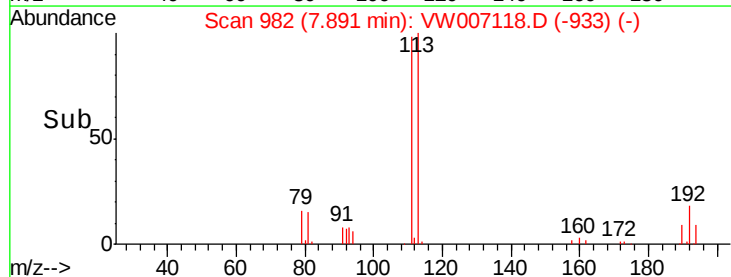
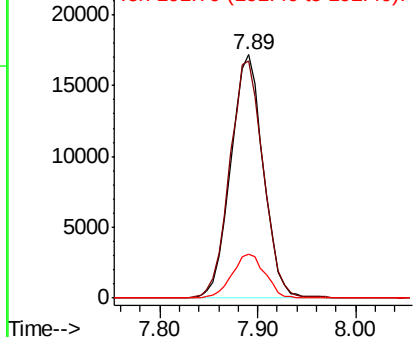


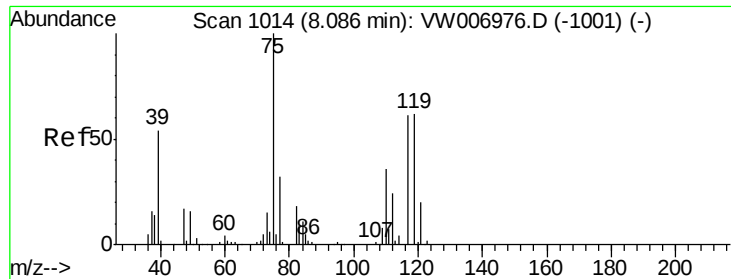
#35  
Dibromofluoromethane  
Concen: 51.924 ug/l  
RT: 7.89 min Scan# 982  
Delta R.T. -0.00 min  
Lab File: VW007118.D  
Acq: 28 Nov 2018 17:15

Tgt Ion:113 Resp: 39655  
Ion Ratio Lower Upper  
113 100  
111 100.4 81.0 121.6  
192 18.2 15.0 22.6



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: 5.015 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA\_W

ClientSampled :

J-3RE

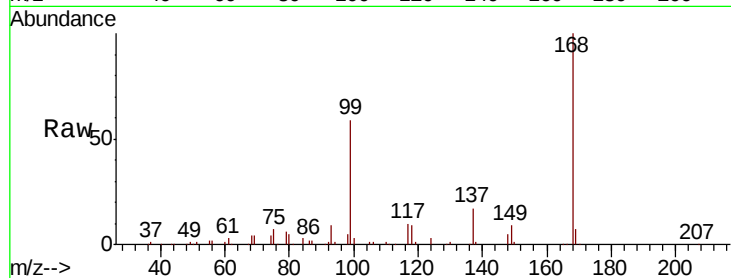
Tot Ion: 75 Resp: 6627

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

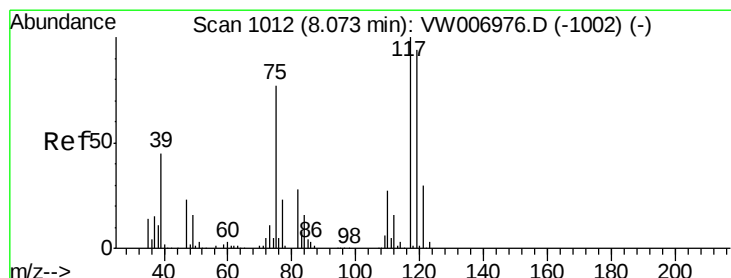
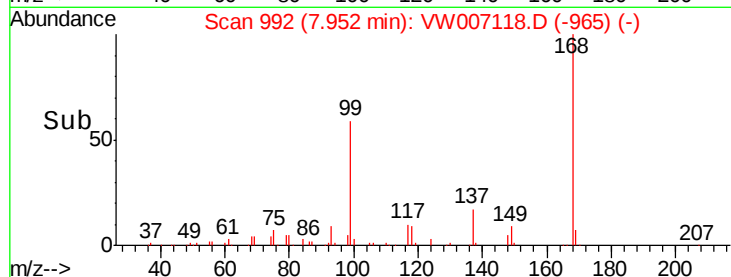
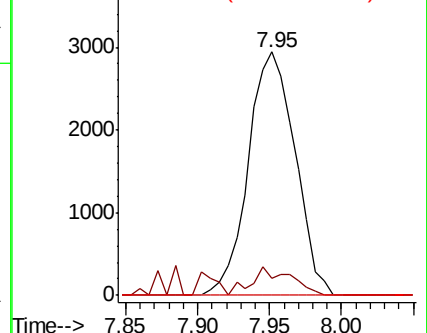
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 7.069 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

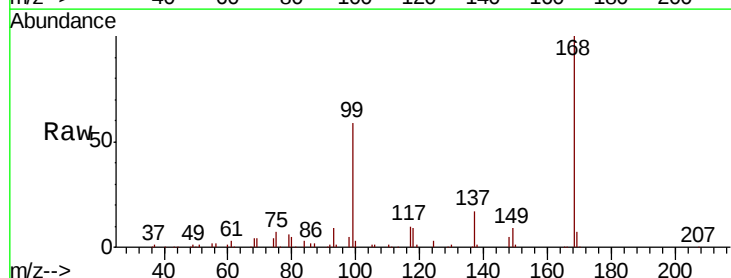
Tgt Ion: 117 Resp: 8946

Ion Ratio Lower Upper

117 100

119 6.4 74.9 112.3#

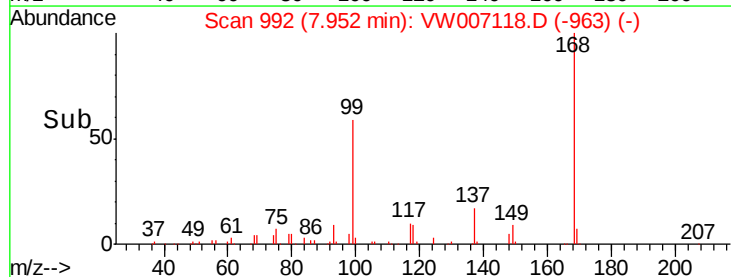
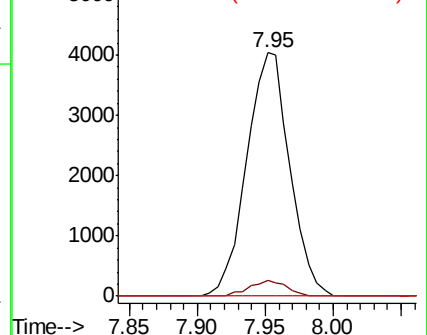
121 0.0 23.6 35.4#

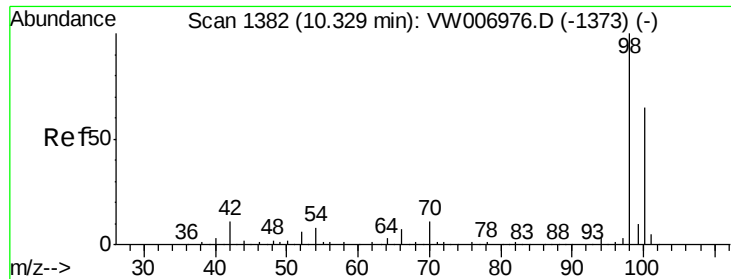


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.321 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA\_W

ClientSampled :

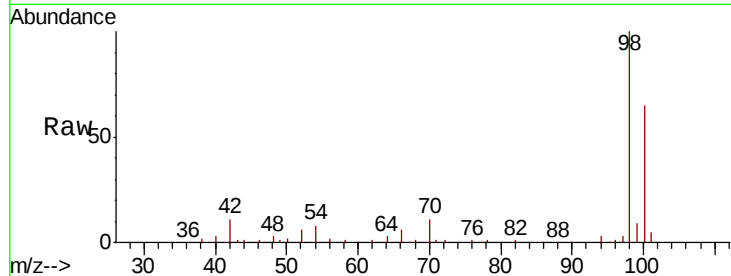
J-3RE

Tot Ion: 98 Resp: 156213

Ion Ratio Lower Upper

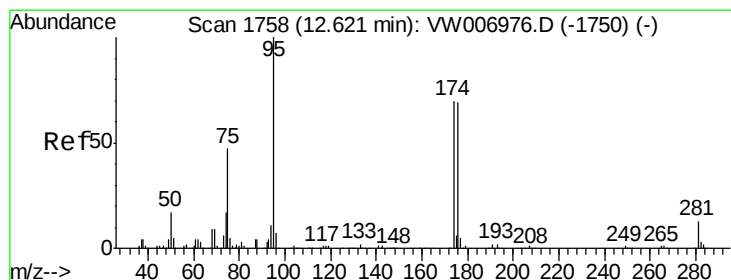
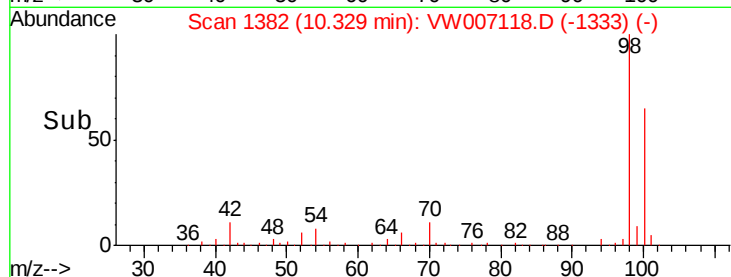
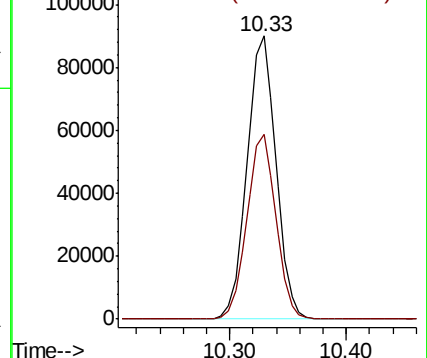
98 100

100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 43.723 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

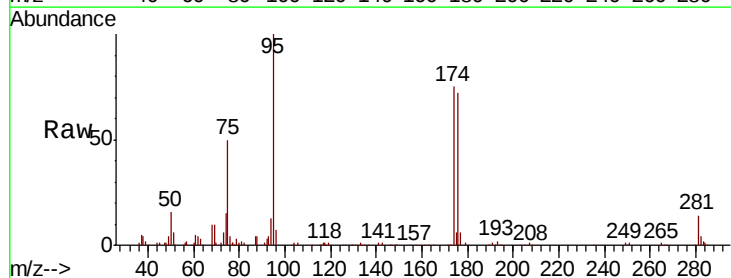
Tgt Ion: 95 Resp: 58025

Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.6

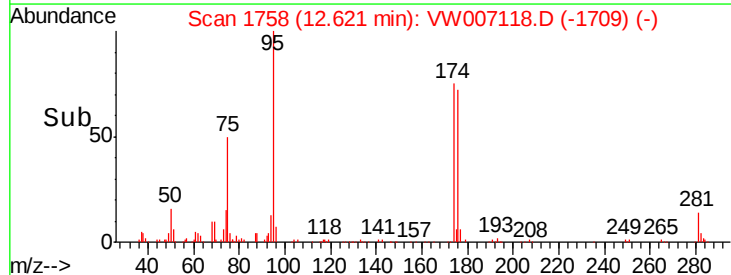
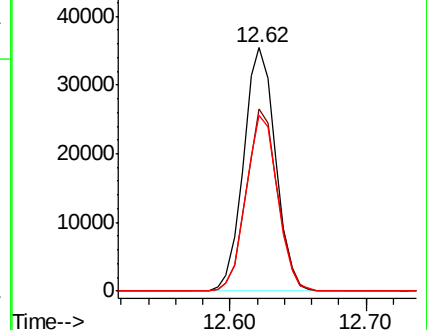
176 71.7 0.0 140.4

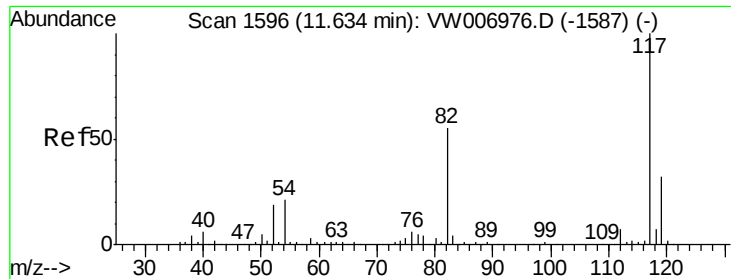


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

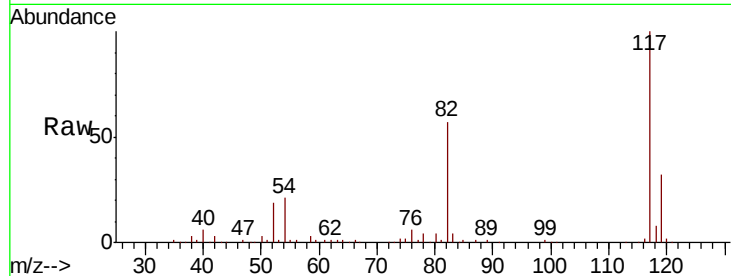




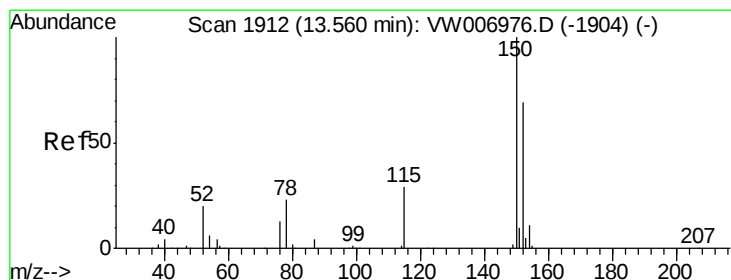
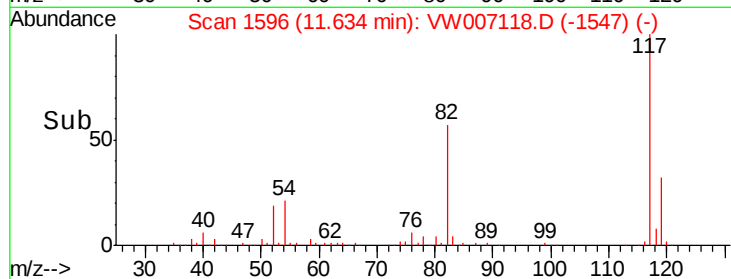
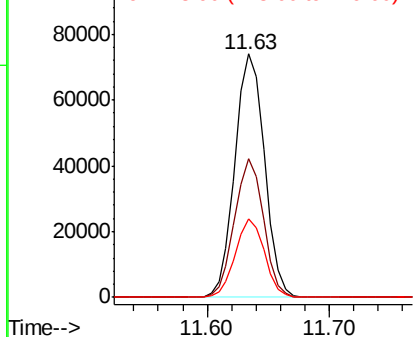
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007118.D  
Acq: 28 Nov 2018 17:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
J-3RE

Tot Ion:117 Resp: 124313  
Ion Ratio Lower Upper  
117 100  
82 56.9 44.2 66.2  
119 32.2 25.9 38.9

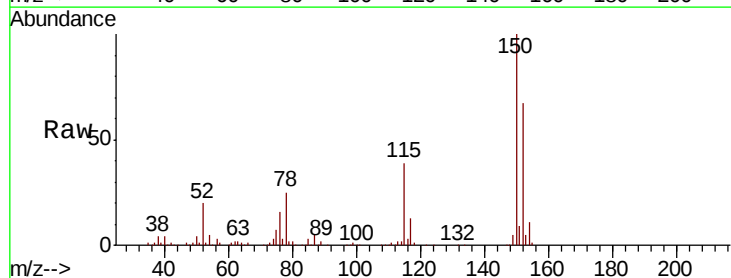


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V

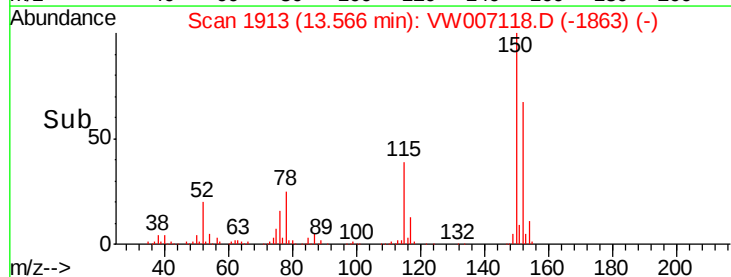
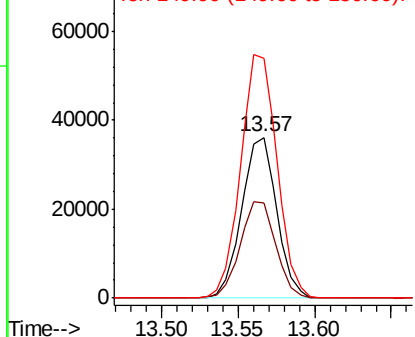


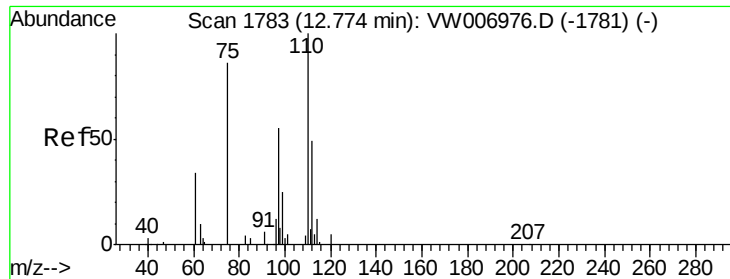
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VW007118.D  
Acq: 28 Nov 2018 17:15

Tgt Ion:152 Resp: 57335  
Ion Ratio Lower Upper  
152 100  
115 61.1 31.4 94.2  
150 157.5 0.0 353.4



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: 62.717 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA\_W

ClientSampleId :

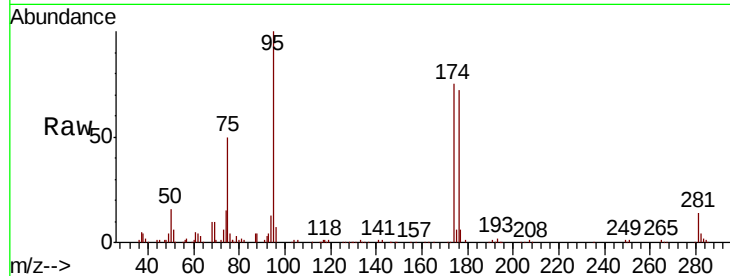
J-3RE

Tot Ion: 75 Resp: 28256

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

20000

15000

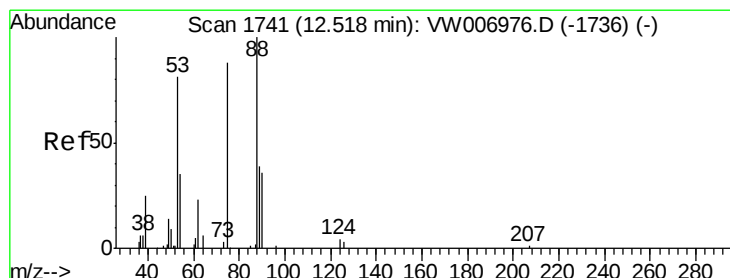
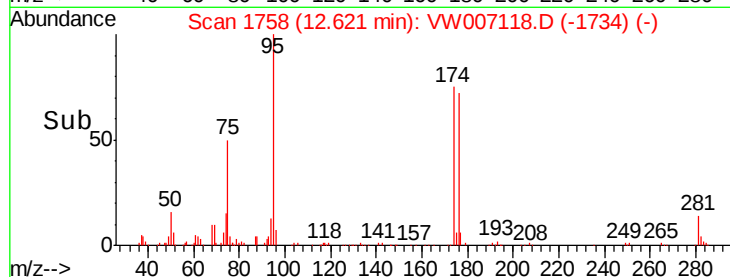
10000

5000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 157.456 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007118.D

Acq: 28 Nov 2018 17:15

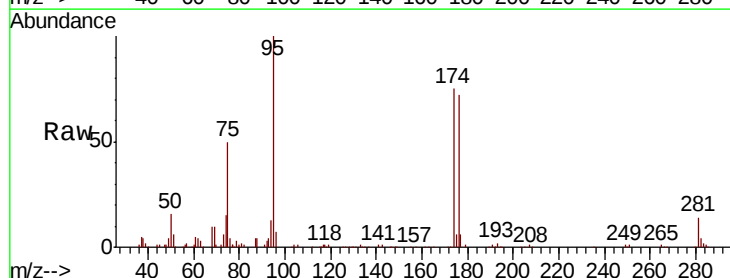
Tgt Ion: 75 Resp: 28256

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.3 39.3 58.9#



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

20000

15000

10000

5000

0

Time-->

12.55 12.60 12.65 12.70

