

Data File : VW008151.D  
Acq On : 10 Jan 2019 16:21  
Operator : SY/AP  
Sample : K1075-16  
Misc : 6.25G/5ML/MSVOA\_W/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BASIN-8

Quant Time: Jan 11 05:11:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 09 04:40:48 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 49109    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 95932    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 89101    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 36468    | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 36097    | 65.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 130.80% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 30790    | 55.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.06% |      |
| 50) Toluene-d8            | 10.32  | 98  | 127729   | 54.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.80% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 40657    | 48.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.60%  |      |

Target Compounds

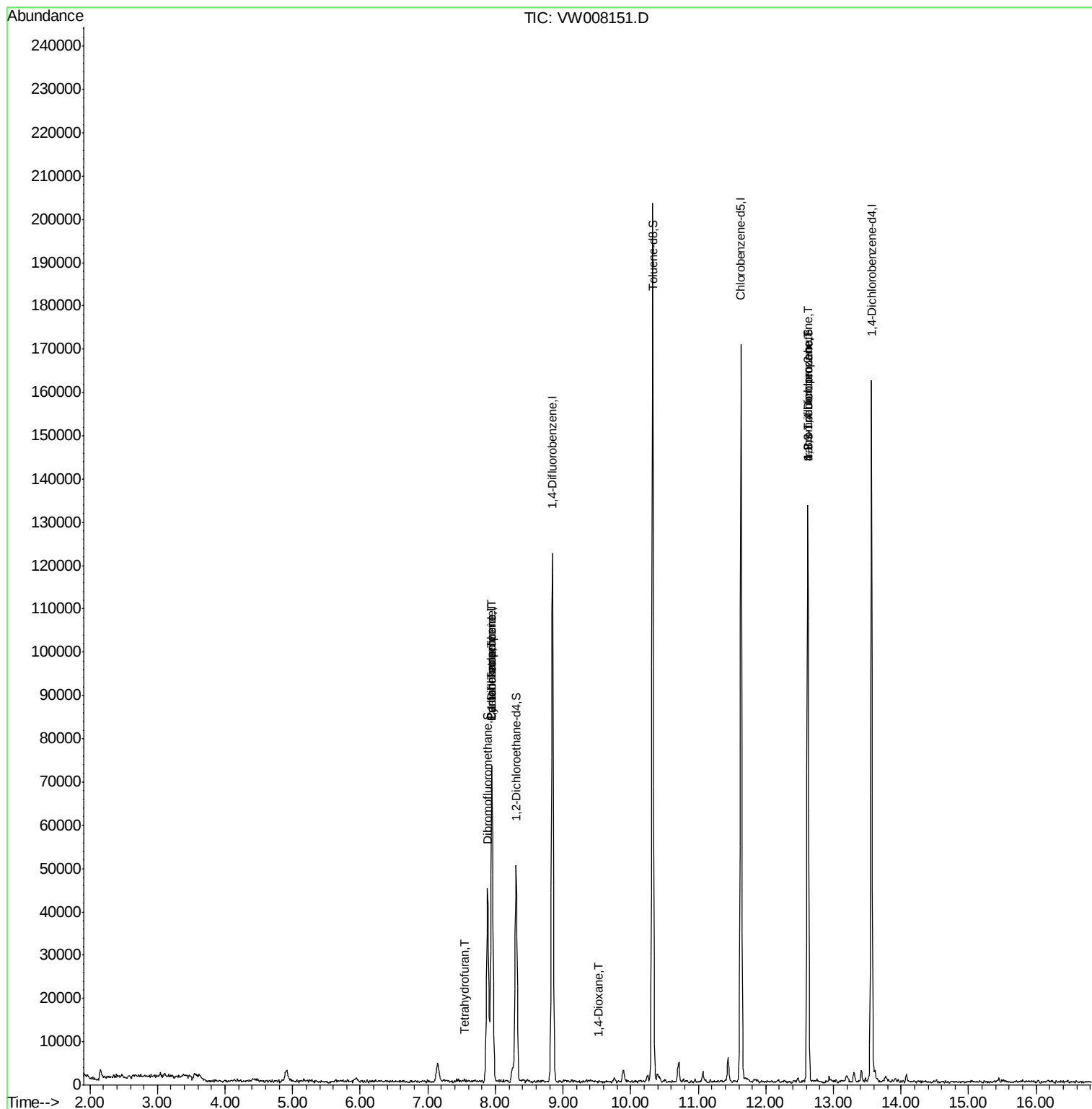
|                                |       |     |       |           |        | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 5.24  | 59  | 22    | Below Cal | #      | 100    |
| 13) Acrolein                   | 3.92  | 56  | 19    | Below Cal | #      | 14     |
| 16) Acetone                    | 4.13  | 43  | 641   | Below Cal |        | 99     |
| 20) Methylene Chloride         | 4.92  | 84  | 1758  | Below Cal | #      | 92     |
| 29) Tetrahydrofuran            | 7.54  | 42  | 375   | 3.656     | ug/l # | 51     |
| 31) Cyclohexane                | 7.95  | 56  | 1541  | 1.327     | ug/l # | 25     |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 4970  | 5.029     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 5561  | 6.148     | ug/l # | 19     |
| 49) 1,4-Dioxane                | 9.52  | 88  | 25    | 4.763     | ug/l # | 11     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75  | 21449 | 64.519    | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75  | 21449 | 150.245   | ug/l # | 10     |

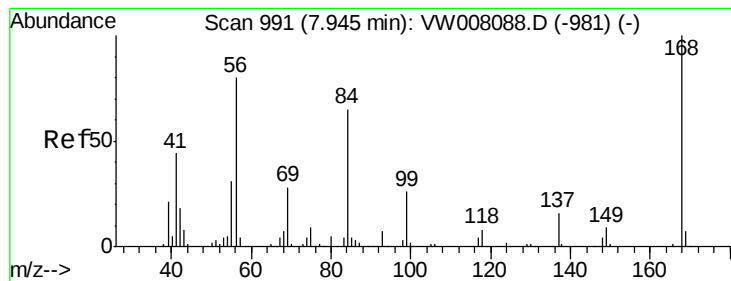
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008151.D

Acq: 10 Jan 2019 16:21

Instrument :

MSVOA\_W

ClientSampled :

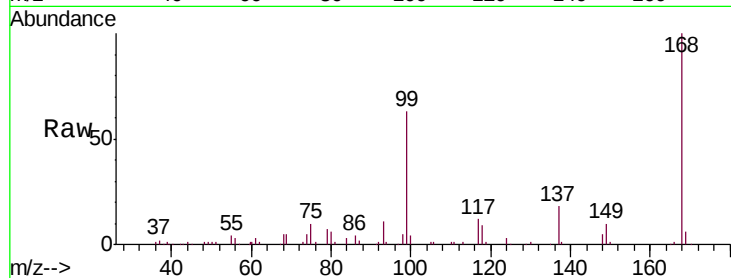
BASIN-8

Tgt Ion:168 Resp: 49109

Ion Ratio Lower Upper

168 100

99 62.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

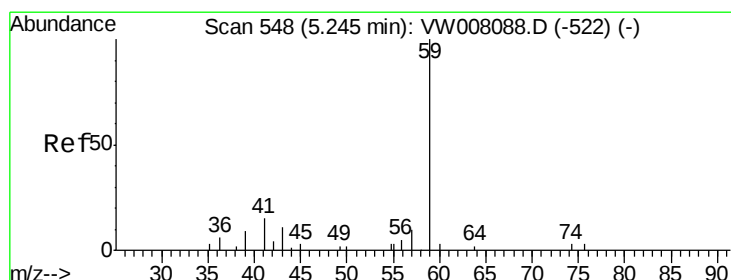
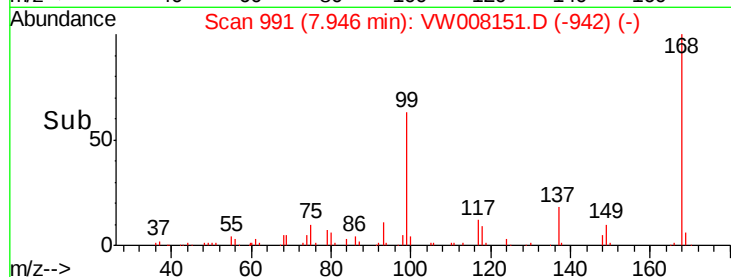
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008151.D

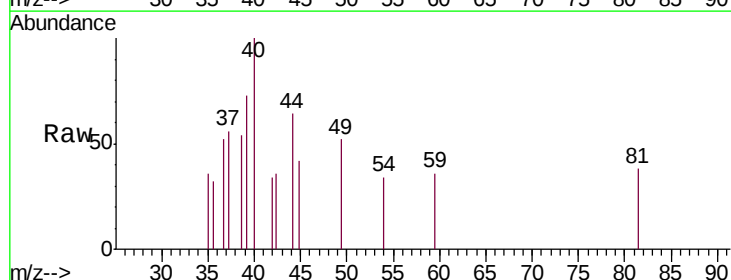
Acq: 10 Jan 2019 16:21

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

80

60

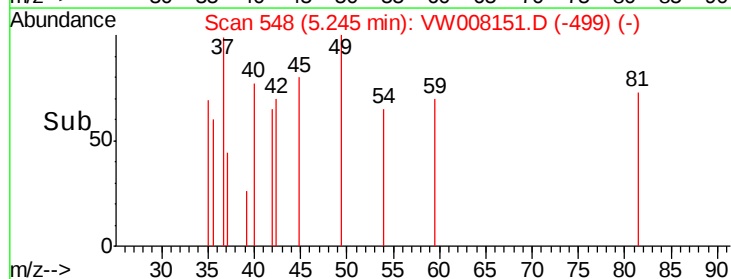
40

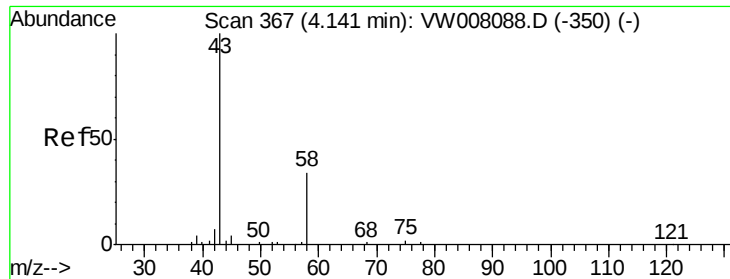
20

0

5.23 5.24 5.25 5.26

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008151.D

Acq: 10 Jan 2019 16:21

Instrument :

MSVOA\_W

ClientSampleId :

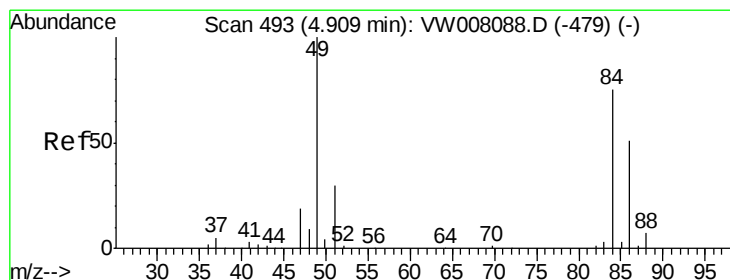
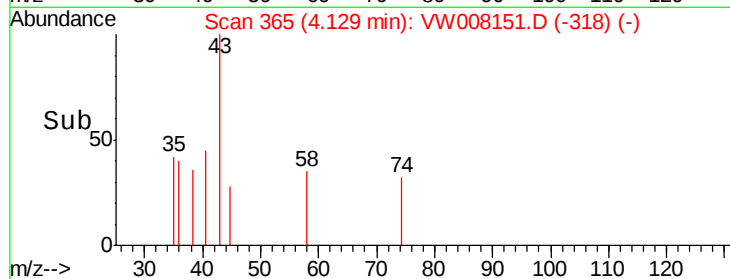
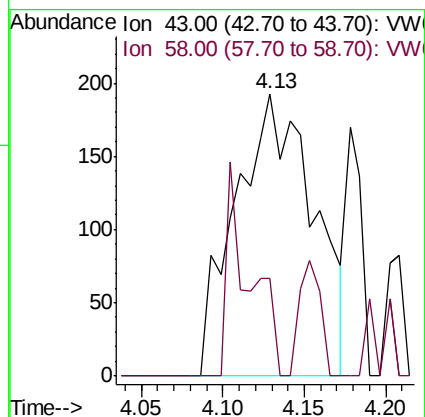
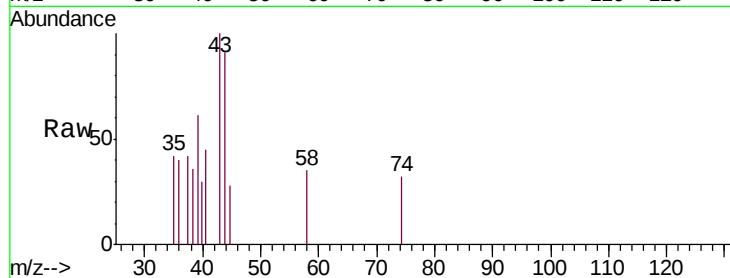
BASIN-8

Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008151.D

Acq: 10 Jan 2019 16:21

Tgt Ion: 84 Resp: 1758

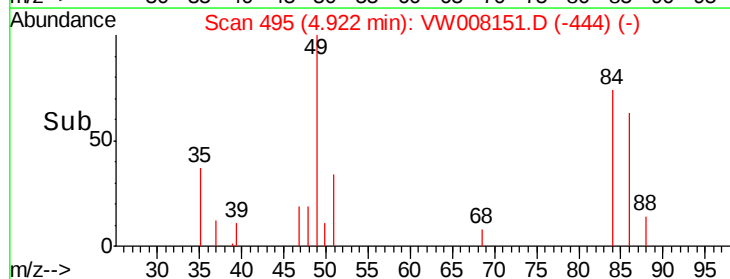
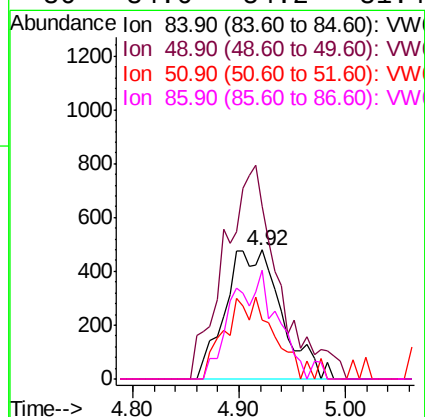
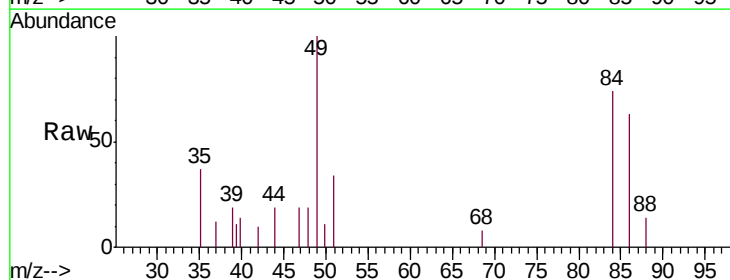
Ion Ratio Lower Upper

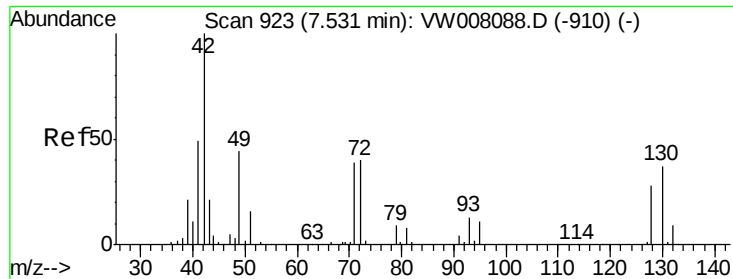
84 100

49 134.4 107.1 160.7

51 45.9 32.4 48.6

86 84.6 54.2 81.4#

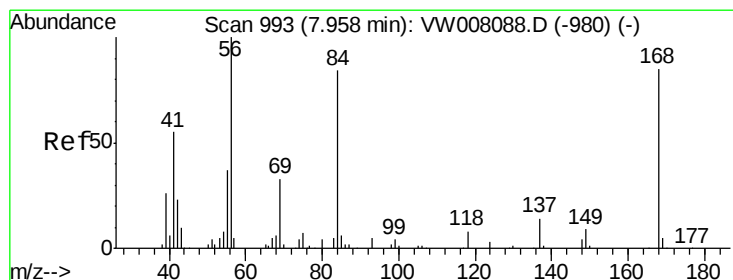
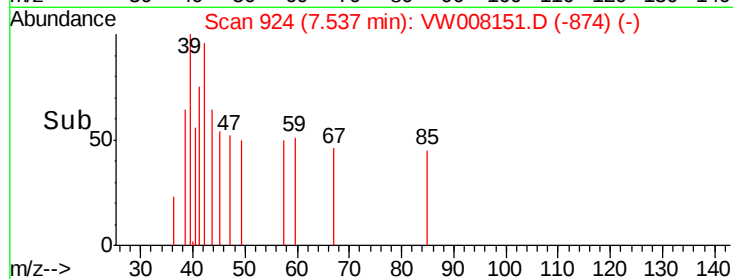
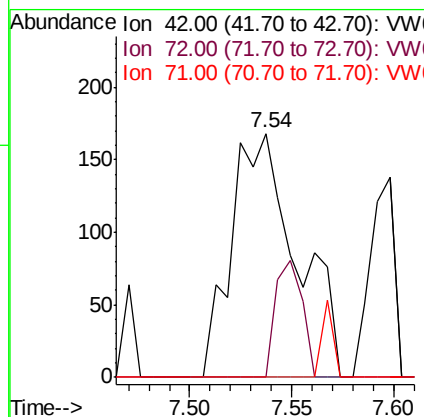
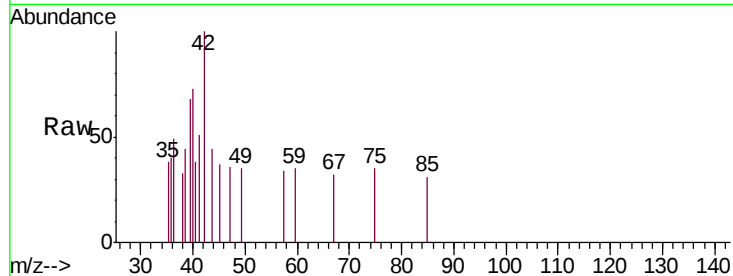




#29  
Tetrahydrofuran  
Concen: 3.656 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

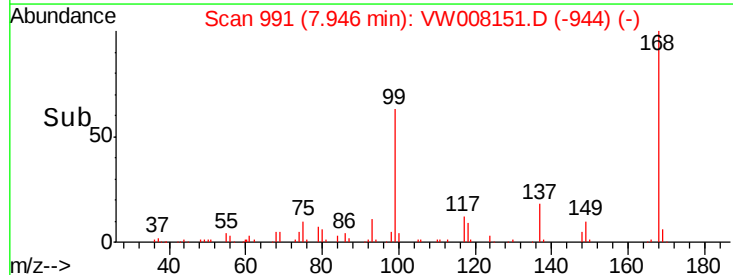
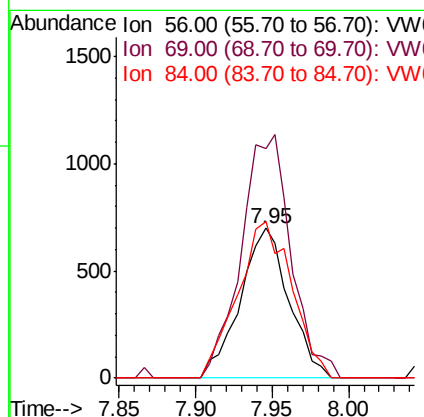
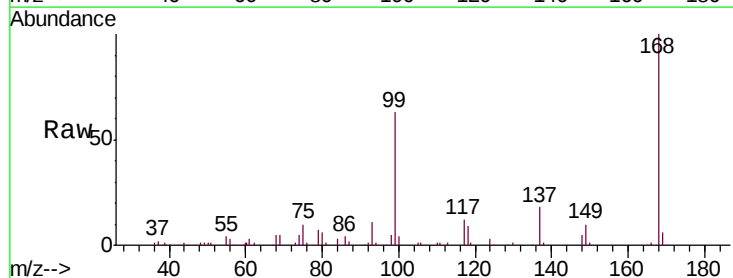
Instrument :  
MSVOA\_W  
ClientSampled :  
BASIN-8

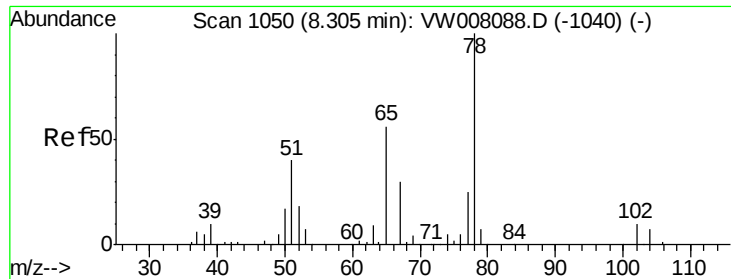
Tgt Ion: 42 Resp: 375  
Ion Ratio Lower Upper  
42 100  
72 19.5 32.4 48.6#  
71 0.0 31.3 46.9#



#31  
Cyclohexane  
Concen: 1.327 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

Tgt Ion: 56 Resp: 1541  
Ion Ratio Lower Upper  
56 100  
69 152.7 26.2 39.4#  
84 104.0 67.4 101.2#

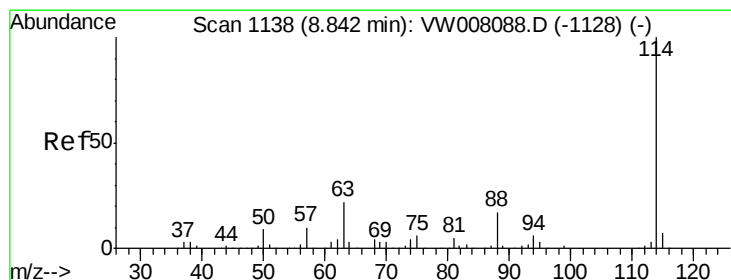
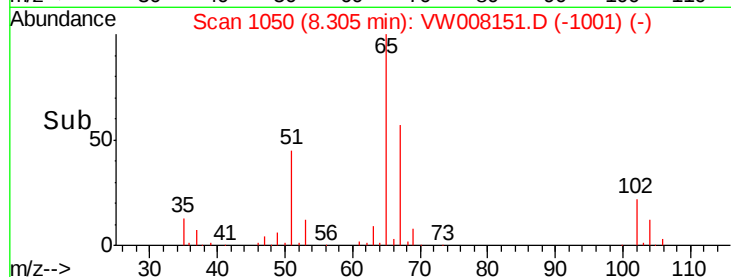
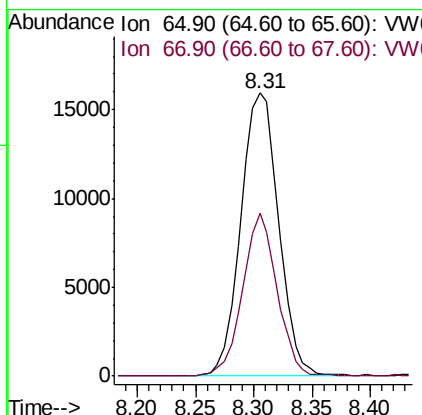
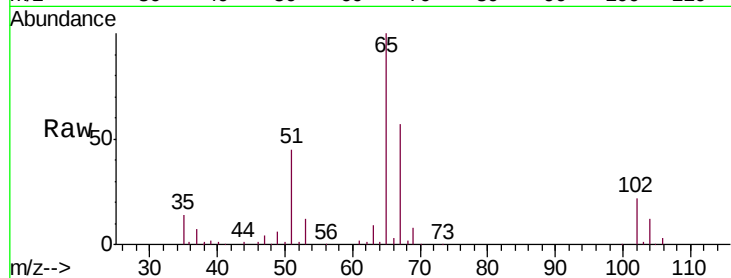




#33  
 1,2-Dichloroethane-d4  
 Concen: 65.400 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008151.D  
 Acq: 10 Jan 2019 16:21

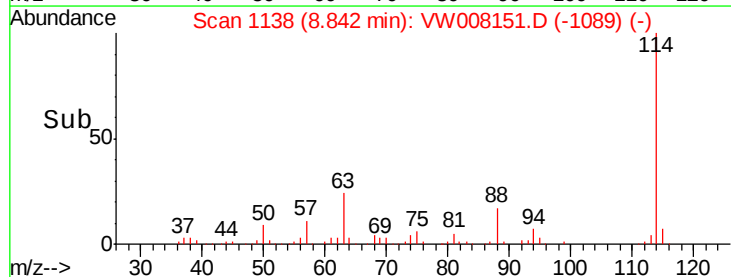
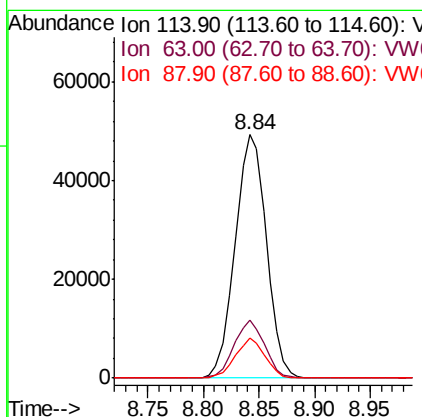
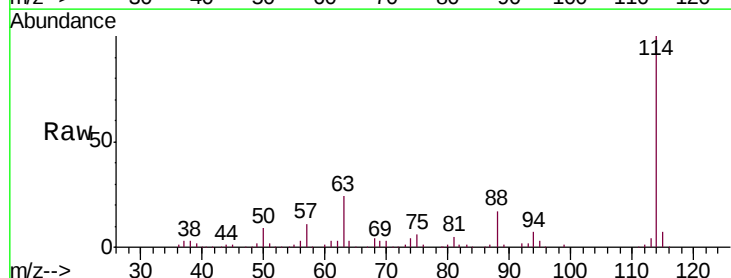
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BASIN-8

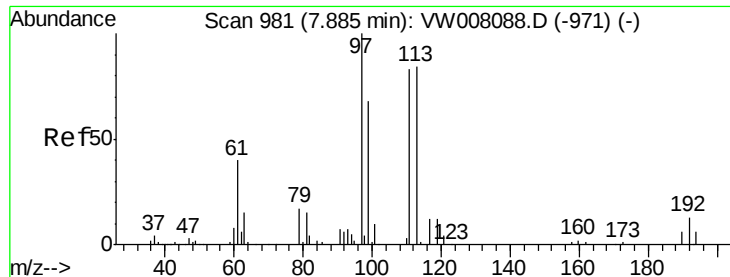
Tgt Ion: 65 Resp: 36097  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008151.D  
 Acq: 10 Jan 2019 16:21

Tgt Ion: 114 Resp: 95932  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 43.4  
 88 16.5 0.0 33.4

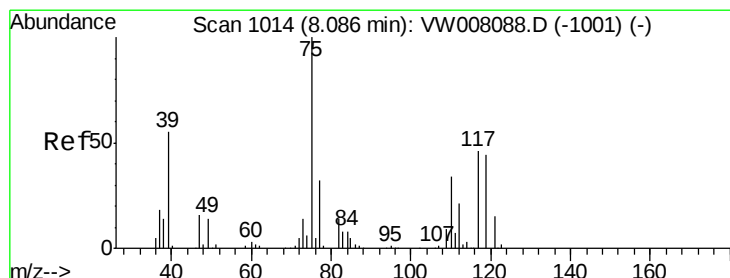
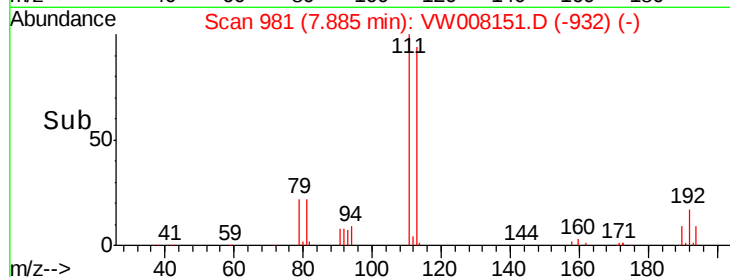
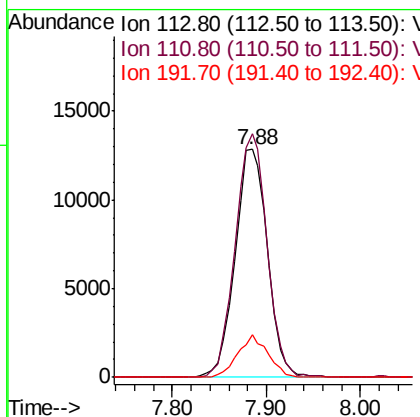
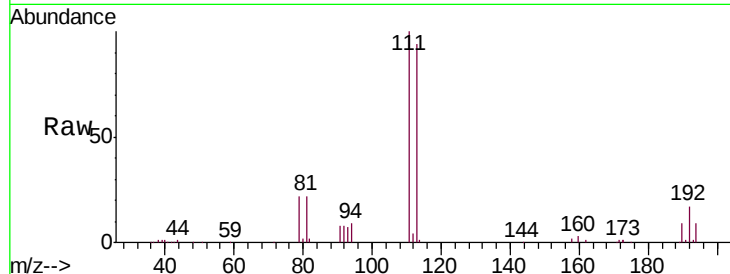




#35  
Dibromofluoromethane  
Concen: 55.030 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

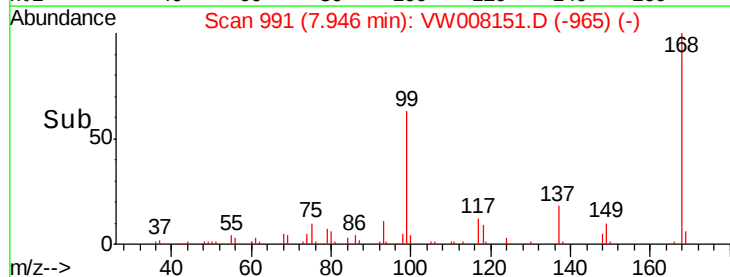
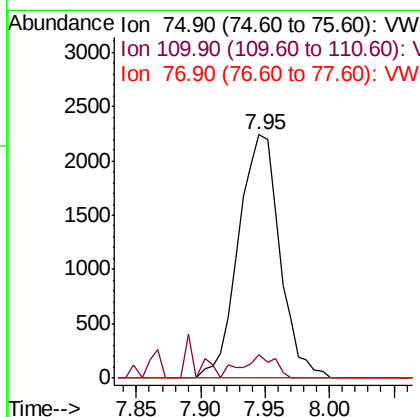
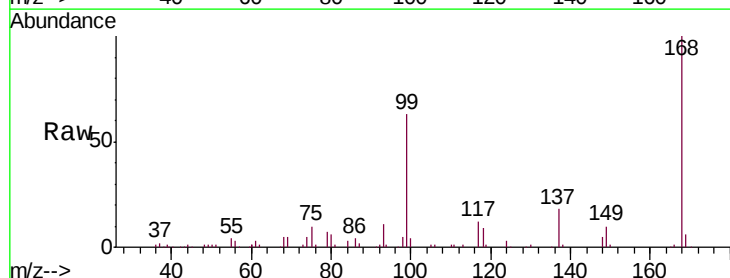
Instrument :  
MSVOA\_W  
ClientSampleId :  
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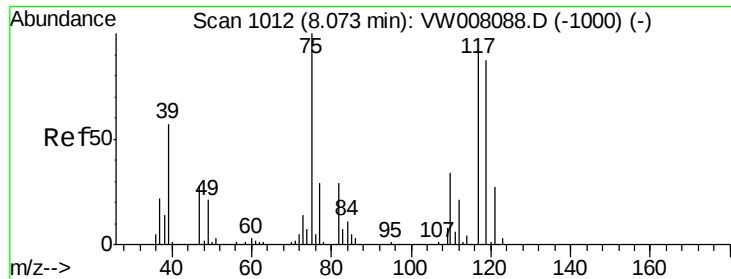
Tgt Ion:113 Resp: 30790  
Ion Ratio Lower Upper  
113 100  
111 105.0 81.8 122.8  
192 17.3 12.8 19.2



#36  
1,1-Dichloropropene  
Concen: 5.029 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.14 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

Tgt Ion: 75 Resp: 4970  
Ion Ratio Lower Upper  
75 100  
110 7.7 17.1 51.3#  
77 0.0 25.5 38.3#

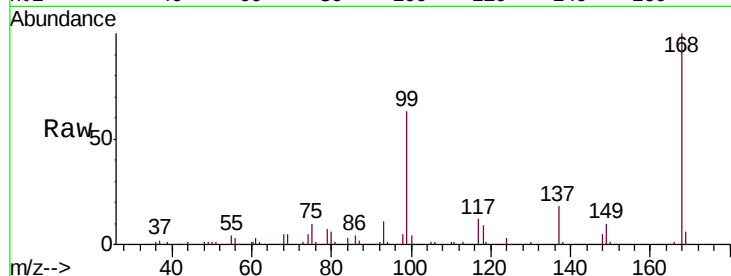




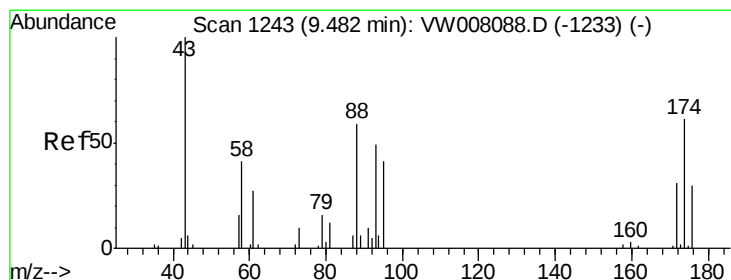
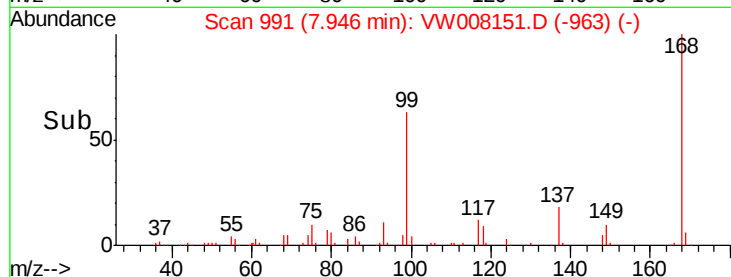
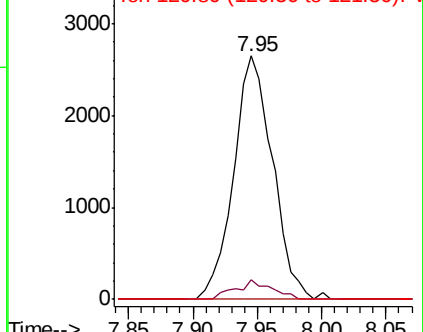
#38  
Carbon Tetrachloride  
Concen: 6.148 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.13 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
BASIN-8

Tgt Ion: 117 Resp: 5561  
Ion Ratio Lower Upper  
117 100  
119 8.2 75.8 113.8#  
121 0.0 23.7 35.5#

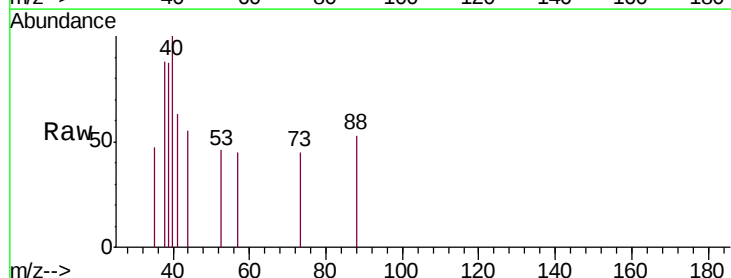


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

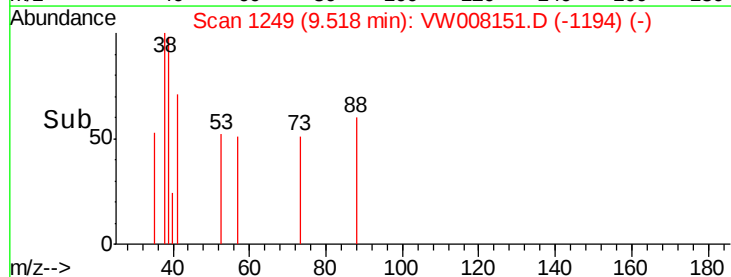
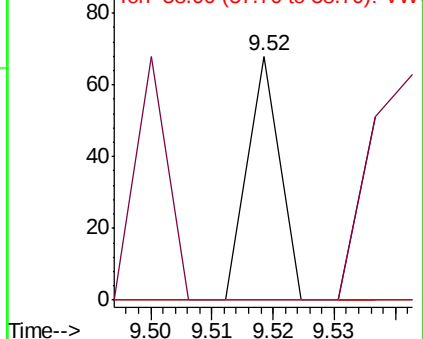


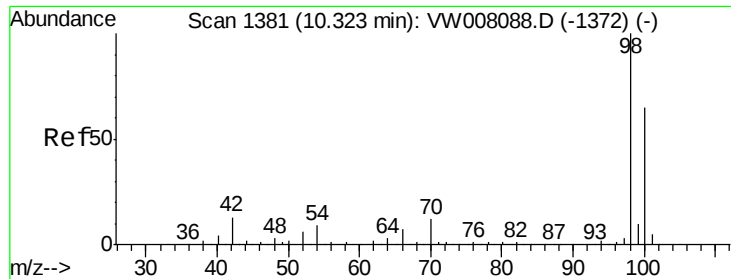
#49  
1,4-Dioxane  
Concen: 4.763 ug/l  
RT: 9.52 min Scan# 1249  
Delta R.T. 0.04 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

Tgt Ion: 88 Resp: 25  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

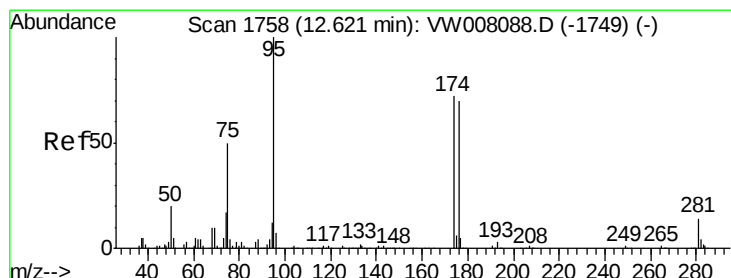
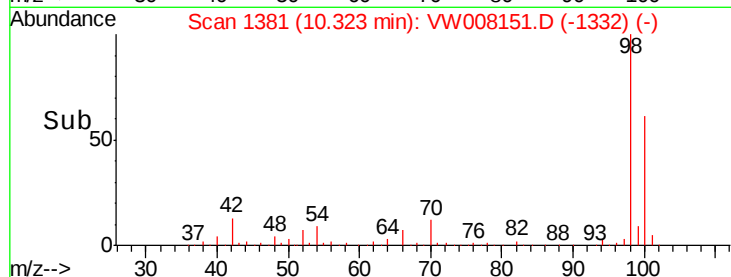
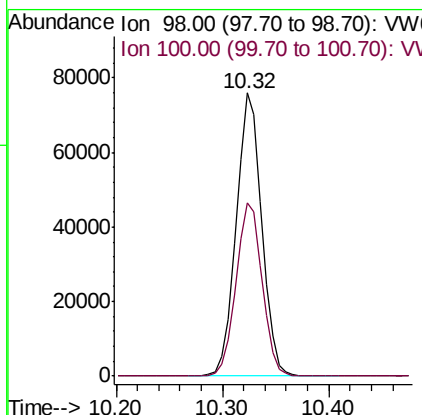
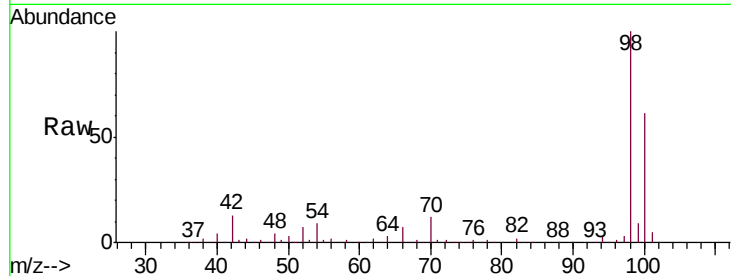




#50  
Toluene-d8  
Concen: 54.401 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

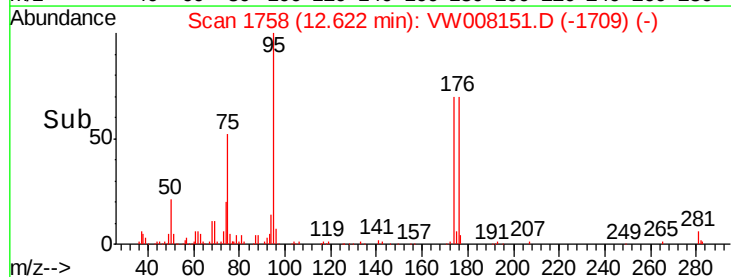
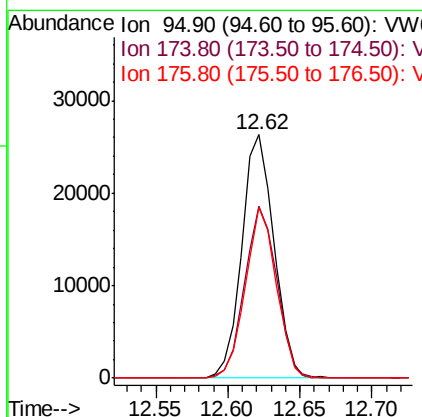
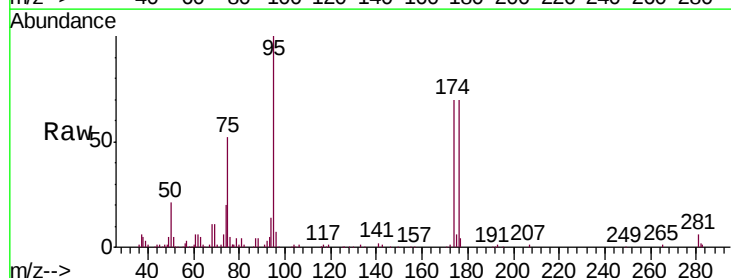
Instrument :  
MSVOA\_W  
ClientSampleId :  
BASIN-8

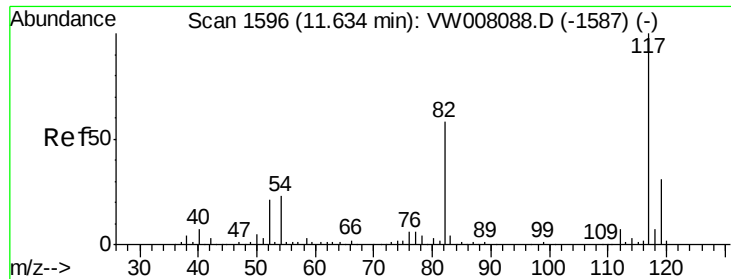
Tgt Ion: 98 Resp: 127729  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 48.302 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

Tgt Ion: 95 Resp: 40657  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 143.0  
176 67.3 0.0 140.2

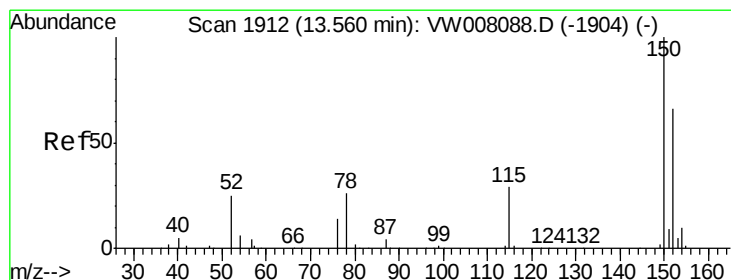
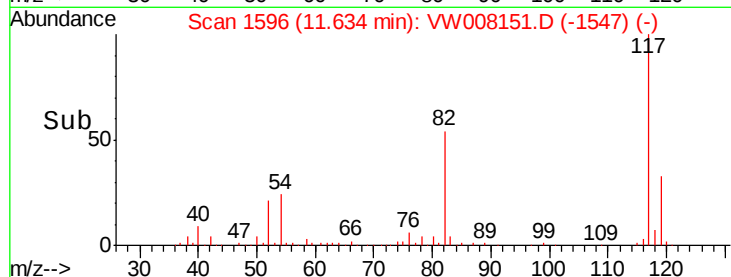
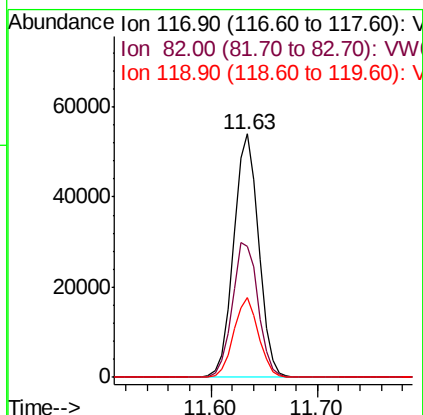
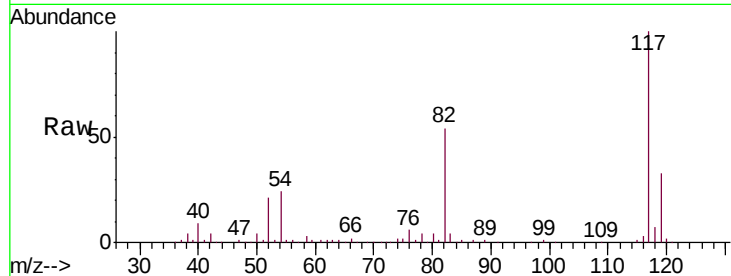




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

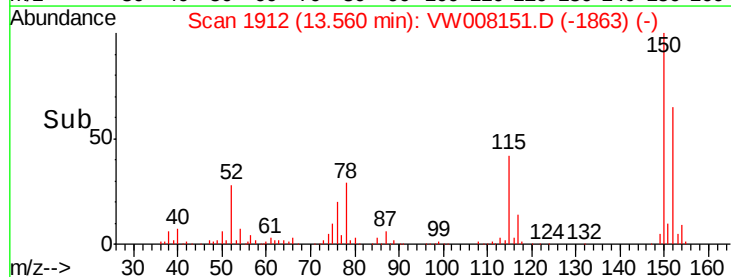
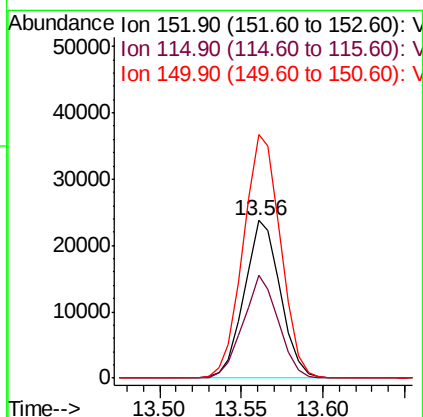
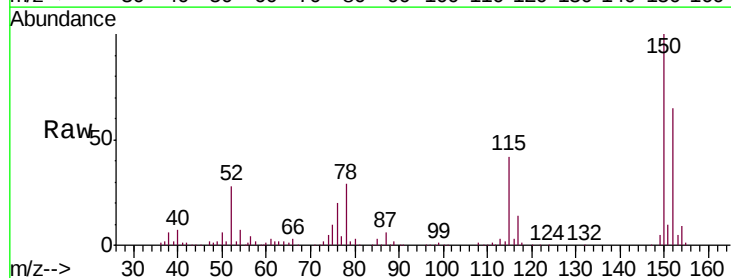
Instrument :  
MSVOA\_W  
ClientSampled :  
BASIN-8

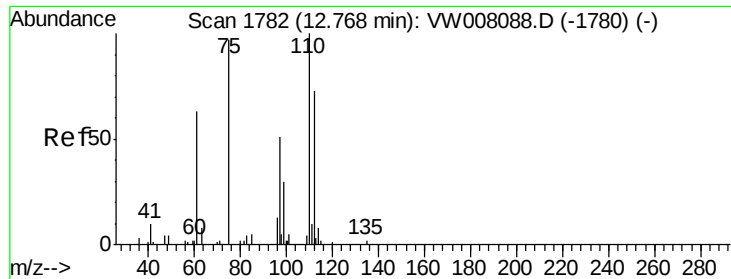
Tgt Ion:117 Resp: 89101  
Ion Ratio Lower Upper  
117 100  
82 53.6 46.4 69.6  
119 32.7 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW008151.D  
Acq: 10 Jan 2019 16:21

Tgt Ion:152 Resp: 36468  
Ion Ratio Lower Upper  
152 100  
115 63.7 30.8 92.4  
150 160.3 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 64.519 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008151.D

Acq: 10 Jan 2019 16:21

Instrument :

MSVOA\_W

ClientSampled :

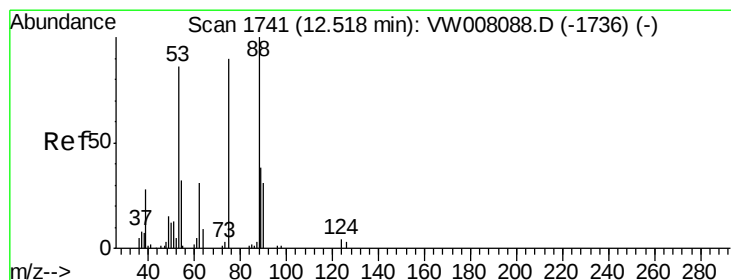
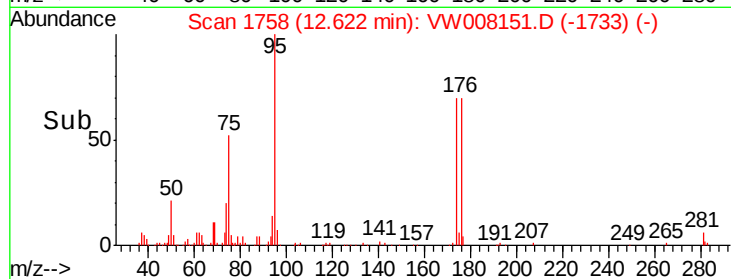
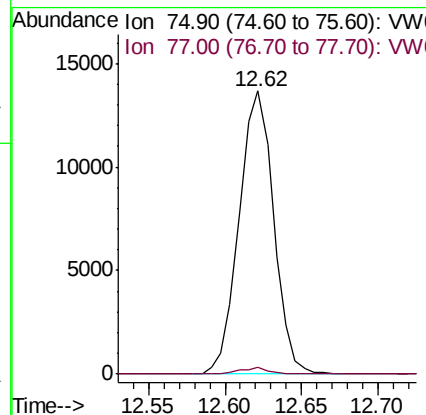
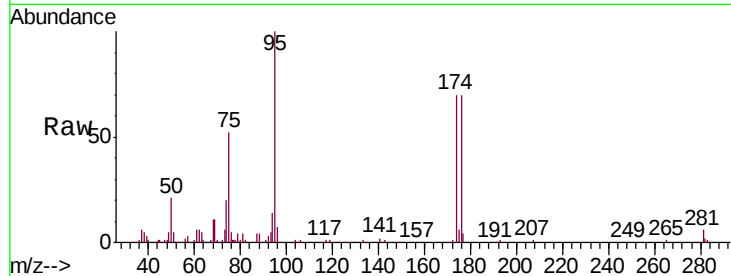
BASIN-8

Tgt Ion: 75 Resp: 21449

Ion Ratio Lower Upper

75 100

77 1.9 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.245 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008151.D

Acq: 10 Jan 2019 16:21

Tgt Ion: 75 Resp: 21449

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 35.4 53.2#

