

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\  
 Data File : VW007619.D  
 Acq On : 16 Dec 2018 09:00  
 Operator : SY/AP  
 Sample : J6379-01  
 Misc : 6.21G/5ML/MSVOA W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 17 00:19:02 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  | 6061     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 12268    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 8669     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 2841     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 5715     | 84.99  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 169.98% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 4631     | 62.36  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 124.72% |          |
| 50) Toluene-d8              | 10.32 | 98   | 12216    | 43.87  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 87.74%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 3885     | 37.95  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 75.90%  |          |

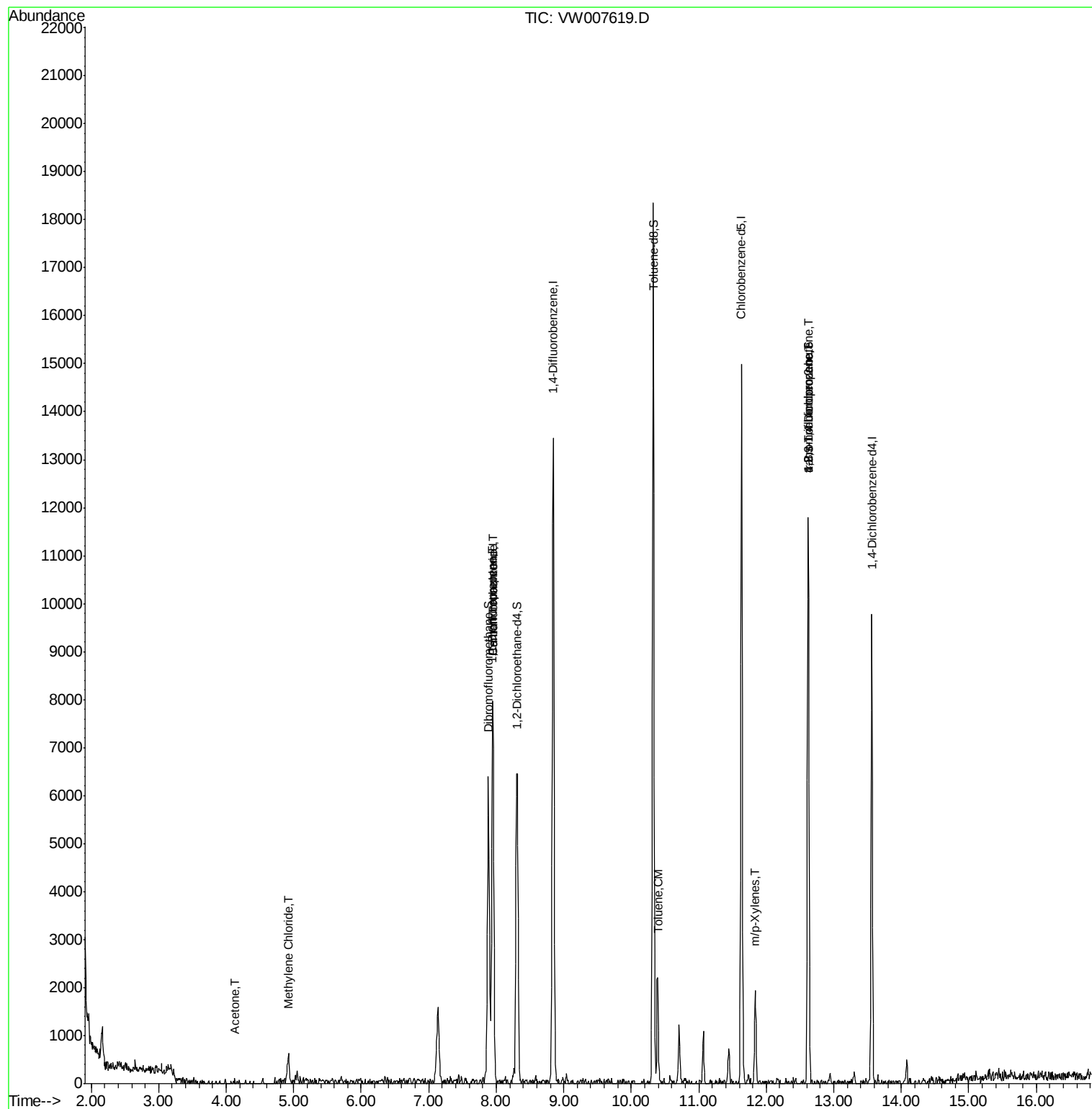
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                    | 4.13  | 43   | 24       | 2.043   | ug/l # | 44     |
| 20) Methylene Chloride         | 4.92  | 84   | 359      | 1.814   | ug/l # | 84     |
| 36) 1,1-Dichloropropene        | 7.94  | 75   | 441      | 3.941   | ug/l # | 40     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 710      | 5.831   | ug/l # | 13     |
| 52) Toluene                    | 10.40 | 92   | 1151     | 5.727   | ug/l   | 94     |
| 68) m/p-Xylenes                | 11.83 | 106  | 714      | 5.912   | ug/l   | 93     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 2026     | 86.489  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 2026     | 191.056 | ug/l # | 7      |

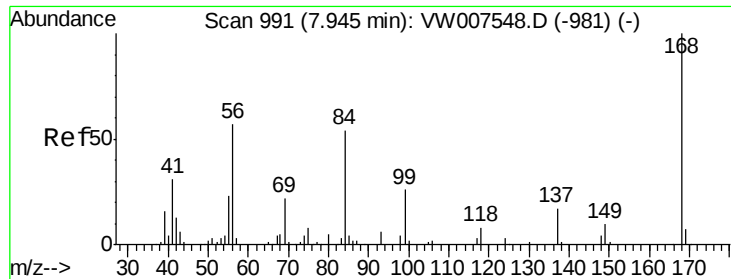
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007619.D

Acq: 16 Dec 2018 09:00

Instrument :

MSVOA\_W

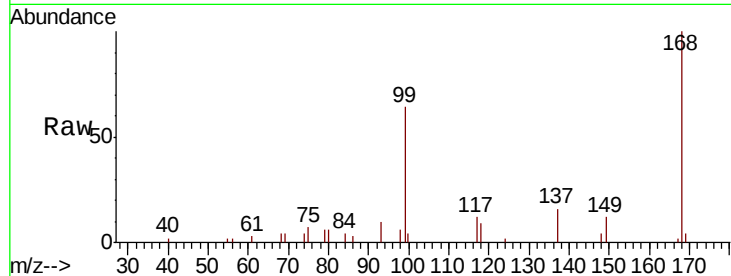
ClientSampled :

Tot Ion:168 Resp: 6061

Ion Ratio Lower Upper

168 100

99 63.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

3000

2500

2000

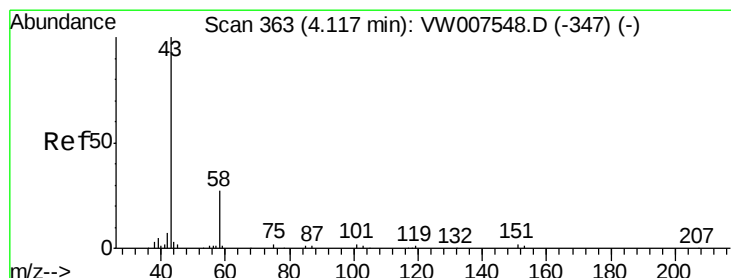
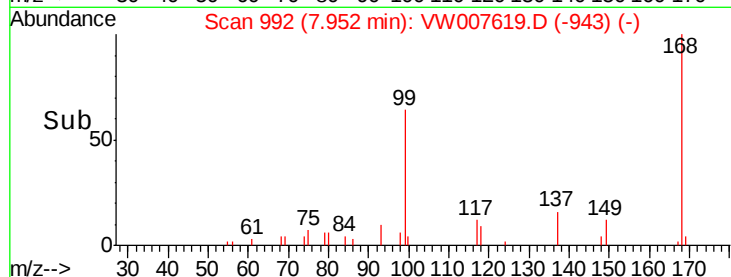
1500

1000

500

0

Time-->



#16

Acetone

Concen: 2.043 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007619.D

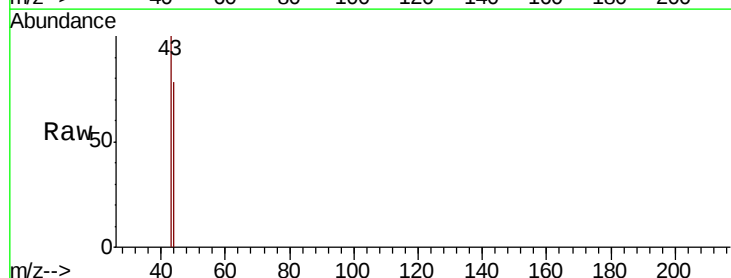
Acq: 16 Dec 2018 09:00

Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

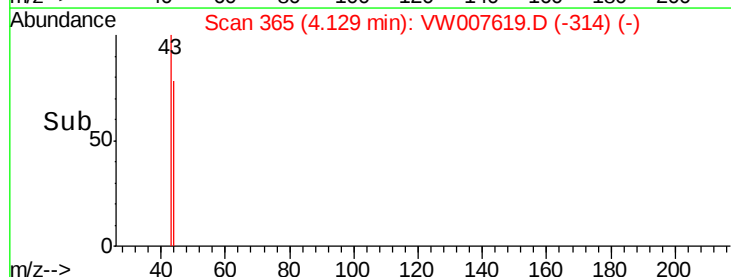
60

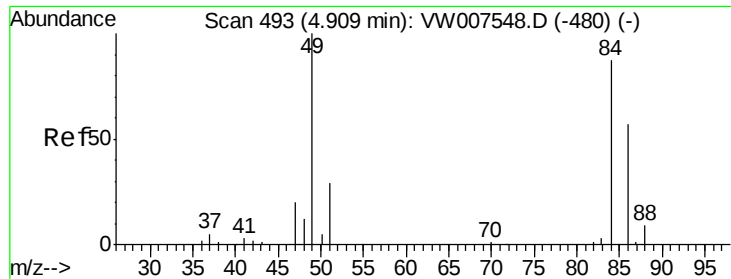
40

20

0

Time-->

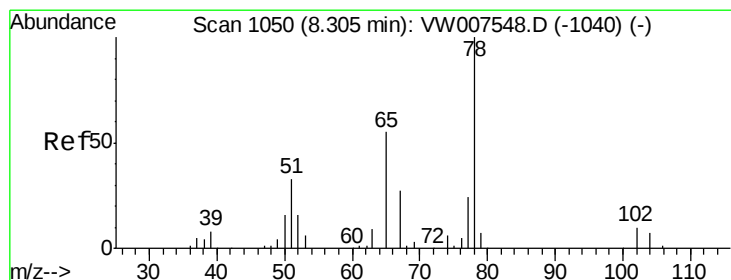
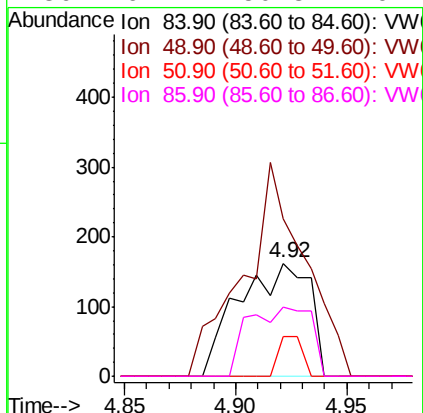
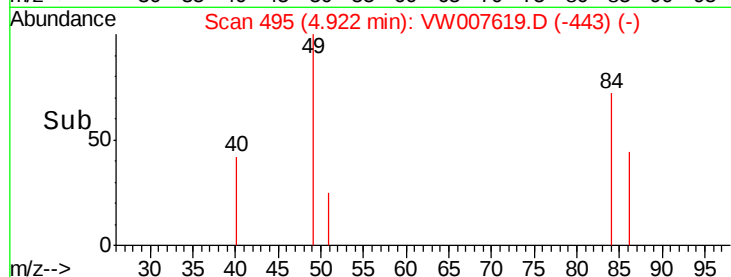
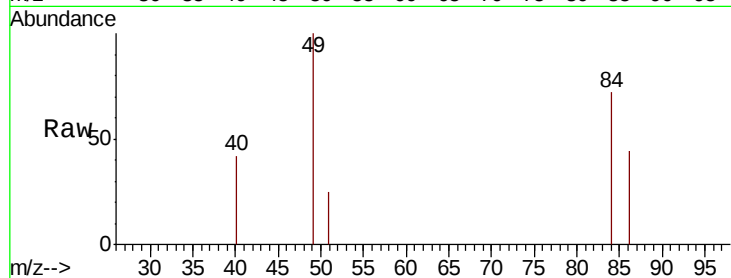




#20  
Methylene Chloride  
Concen: 1.814 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.02 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

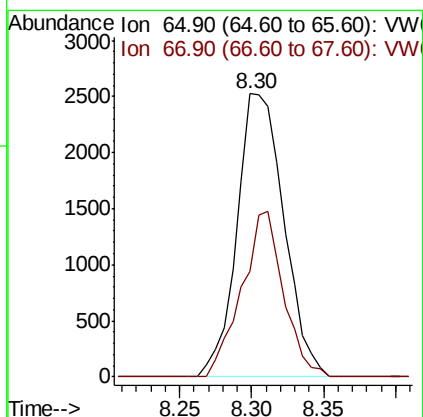
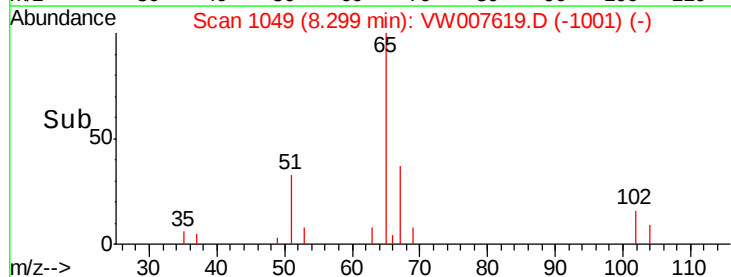
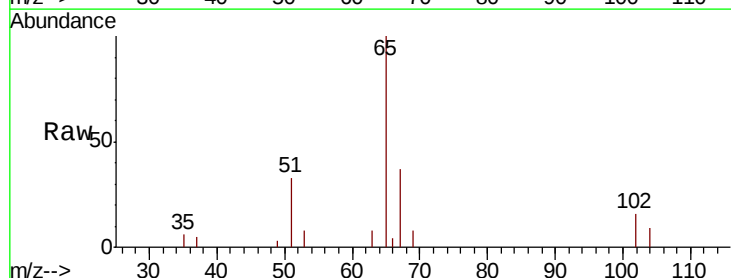
Instrument :  
MSVOA\_W  
ClientSampled :

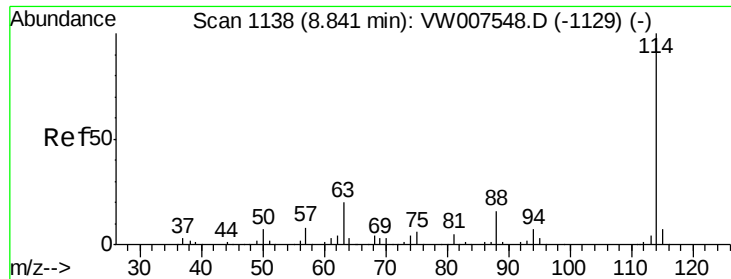
Tot Ion: 84 Resp: 359  
Ion Ratio Lower Upper  
84 100  
49 139.5 87.1 130.7#  
51 35.2 28.2 42.2  
86 61.1 50.8 76.2



#33  
1,2-Dichloroethane-d4  
Concen: 84.992 ug/l  
RT: 8.30 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Tgt Ion: 65 Resp: 5715  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 101.6

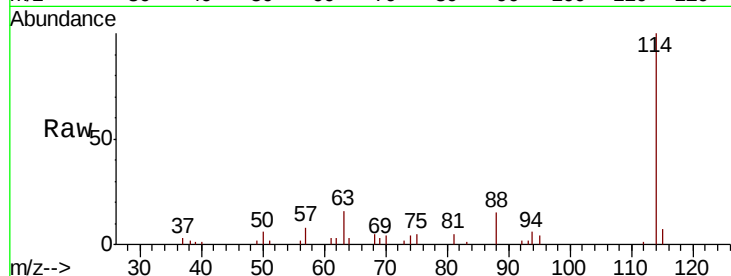




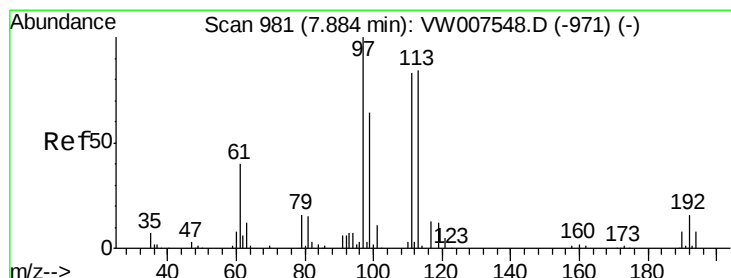
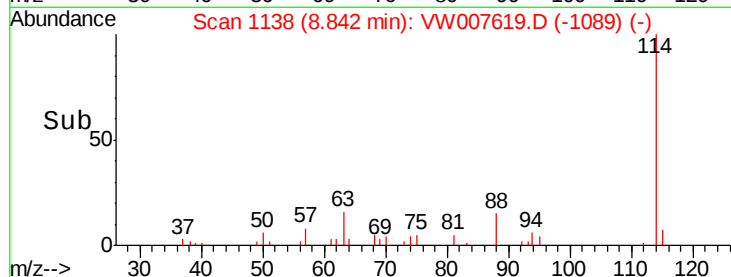
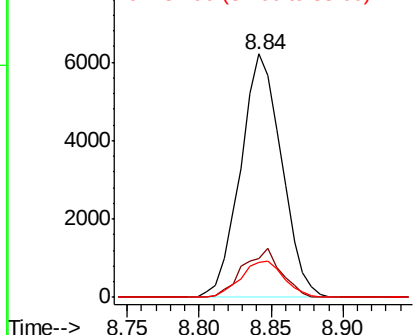
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:114 Resp: 12268  
Ion Ratio Lower Upper  
114 100  
63 15.7 0.0 39.6  
88 14.6 0.0 31.4

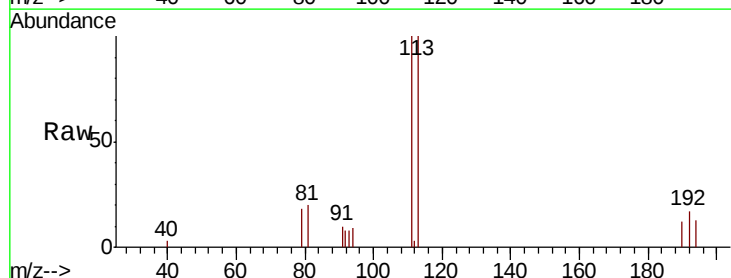


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

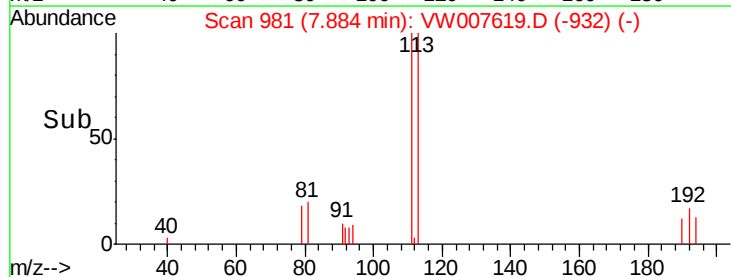
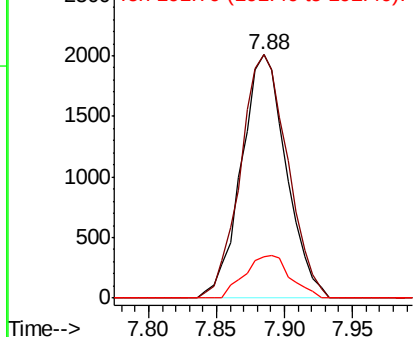


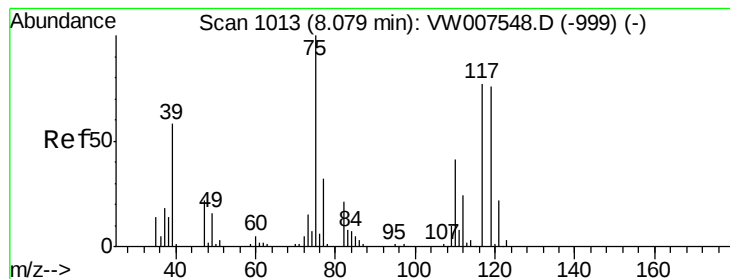
#35  
Dibromofluoromethane  
Concen: 62.359 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Tgt Ion:113 Resp: 4631  
Ion Ratio Lower Upper  
113 100  
111 105.0 81.1 121.7  
192 17.8 14.6 21.8



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: 3.941 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW007619.D

Acq: 16 Dec 2018 09:00

Instrument :

MSVOA\_W

ClientSampleId :

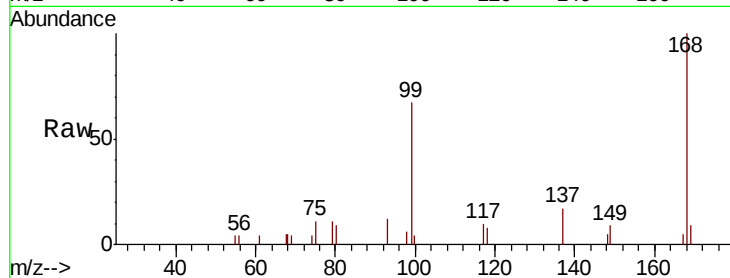
Tot Ion: 75 Resp: 441

Ion Ratio Lower Upper

75 100

110 0.0 18.5 55.5#

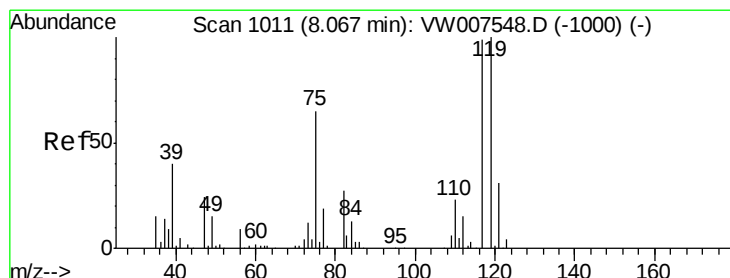
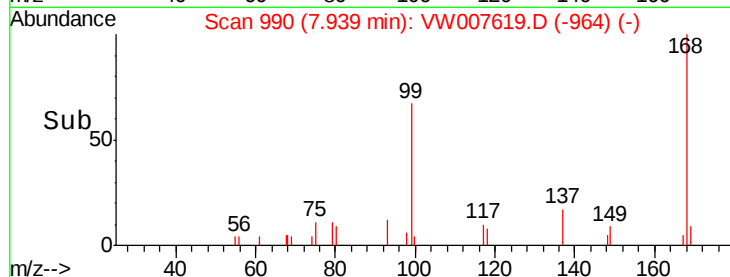
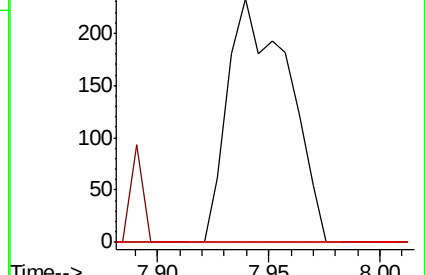
77 0.0 25.6 38.4#



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: 5.831 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007619.D

Acq: 16 Dec 2018 09:00

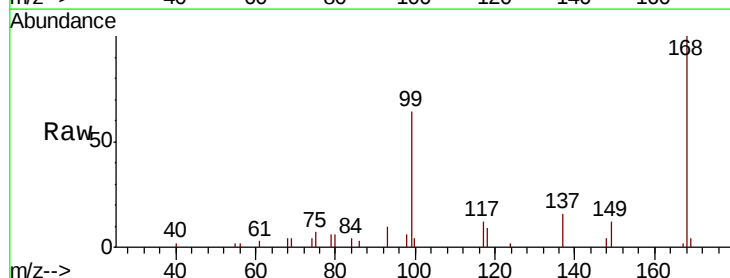
Tgt Ion: 117 Resp: 710

Ion Ratio Lower Upper

117 100

119 0.0 74.3 111.5#

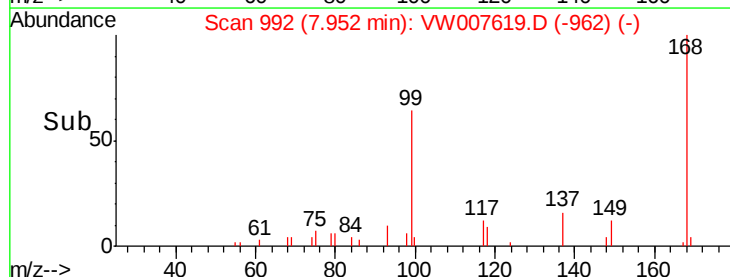
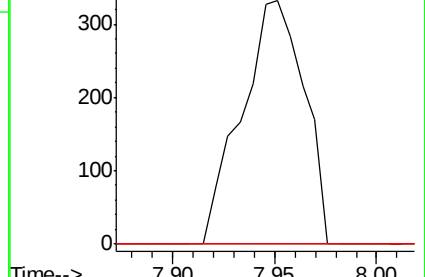
121 0.0 24.3 36.5#

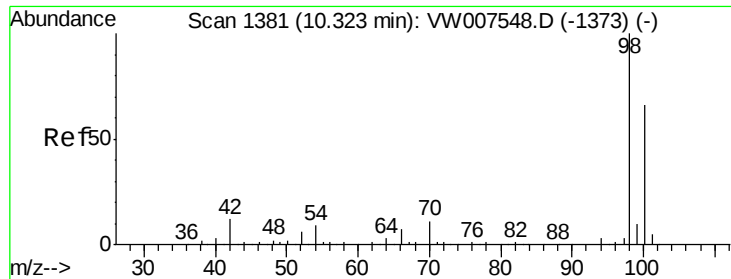


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

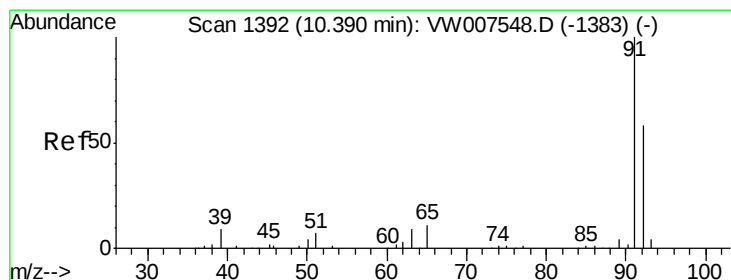
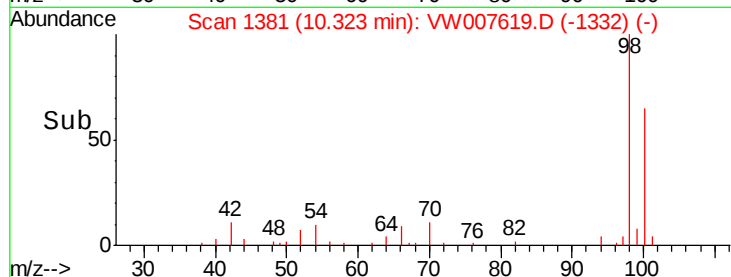
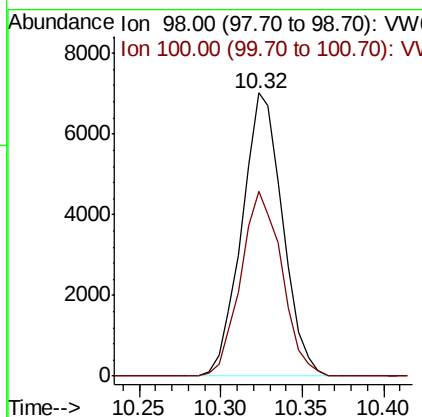
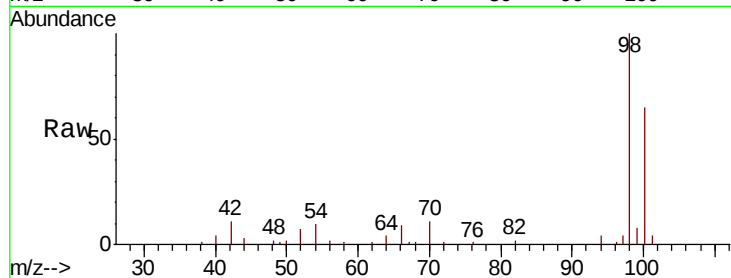




#50  
Toluene-d8  
Concen: 43.872 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

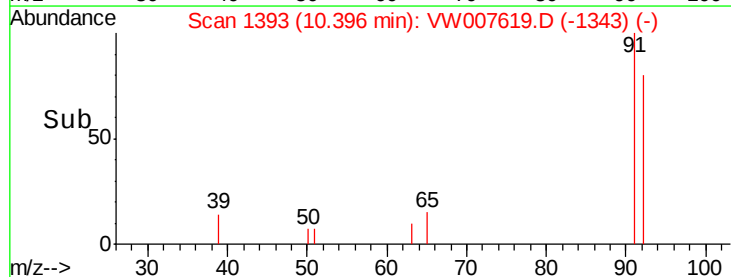
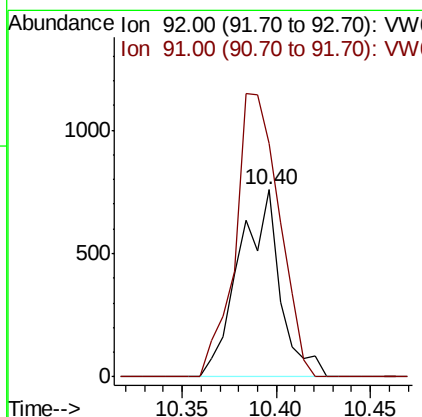
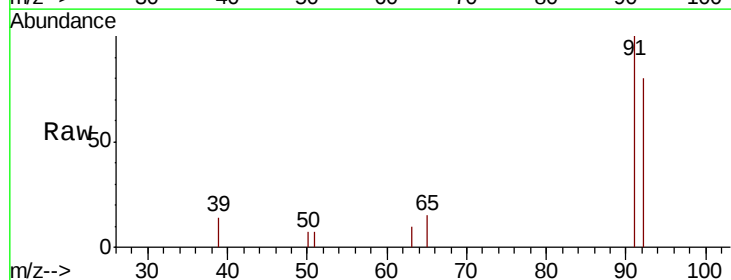
Instrument :  
MSVOA\_W  
ClientSampleId :

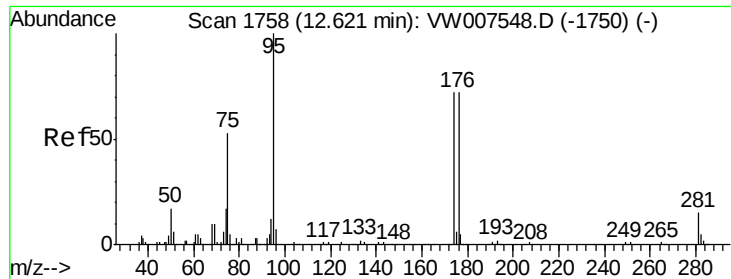
Tot Ion: 98 Resp: 12216  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.8 77.8



#52  
Toluene  
Concen: 5.727 ug/l  
RT: 10.40 min Scan# 1393  
Delta R.T. 0.01 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Tgt Ion: 92 Resp: 1151  
Ion Ratio Lower Upper  
92 100  
91 161.7 136.2 204.2

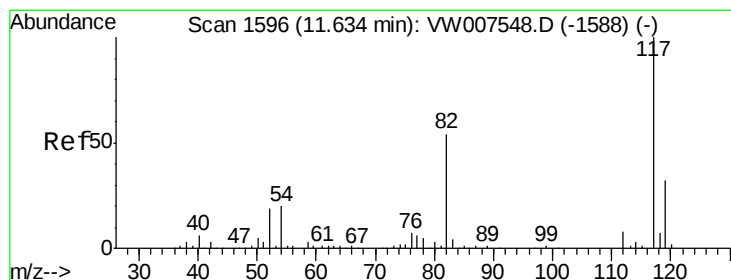
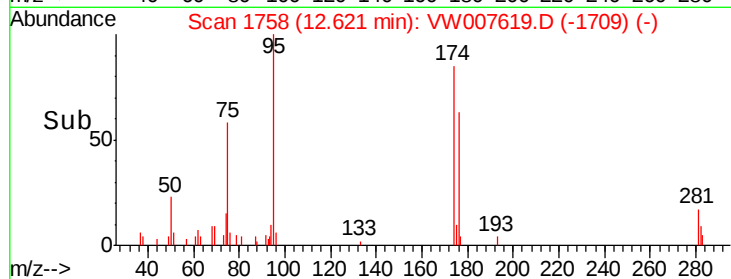
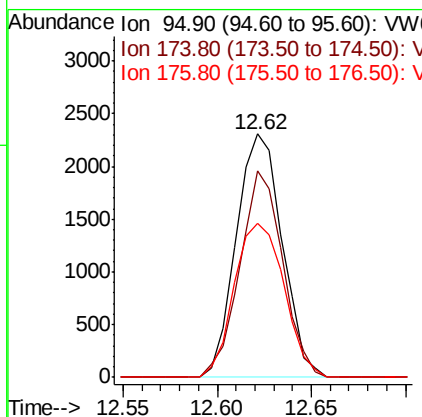
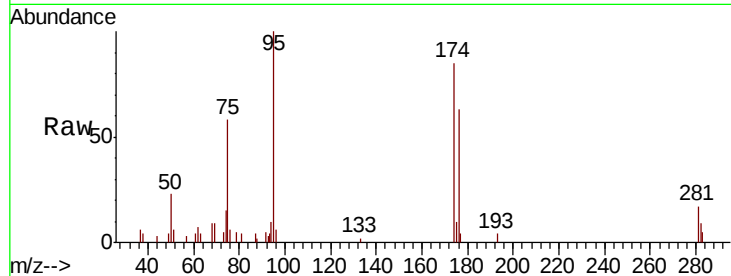




#62  
4-Bromofluorobenzene  
Concen: 37.948 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

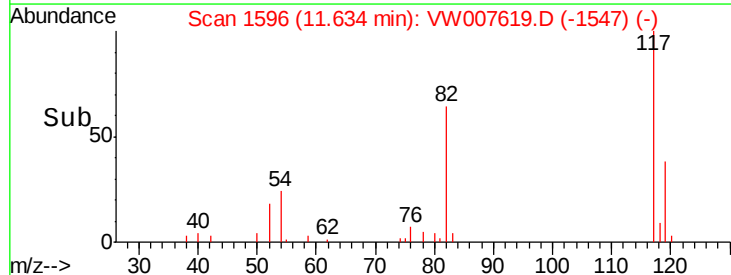
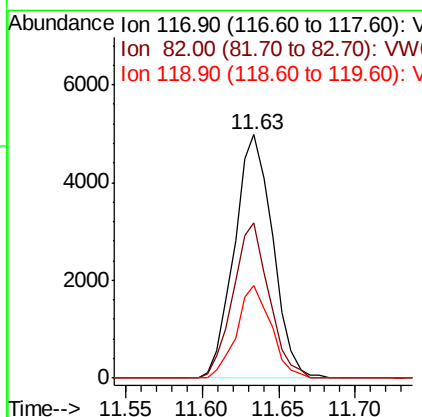
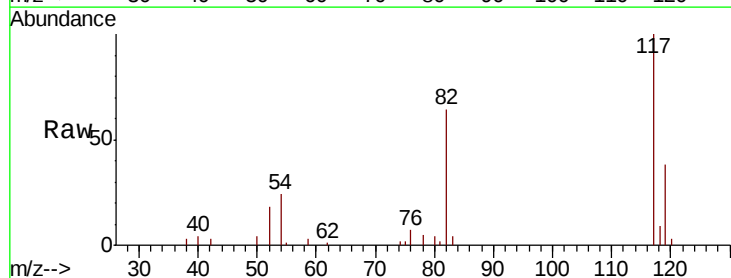
Instrument :  
MSVOA\_W  
ClientSampleId :

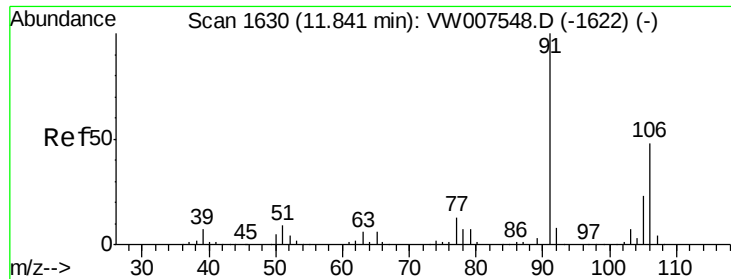
Tot Ion: 95 Resp: 3885  
Ion Ratio Lower Upper  
95 100  
174 79.3 0.0 147.2  
176 69.0 0.0 138.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Tgt Ion: 117 Resp: 8669  
Ion Ratio Lower Upper  
117 100  
82 63.9 42.3 63.5#  
119 37.9 23.0 34.6#

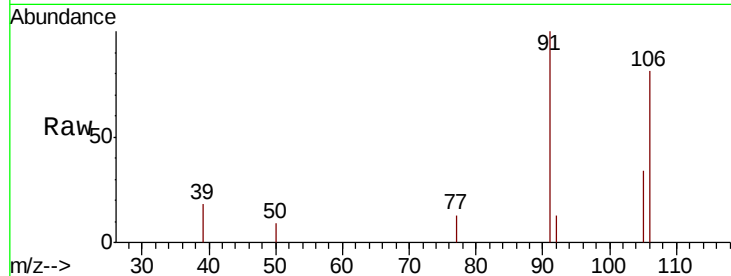




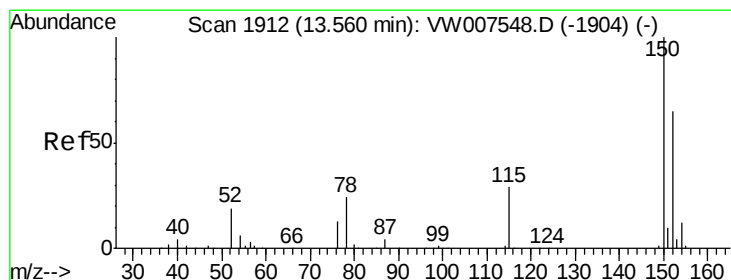
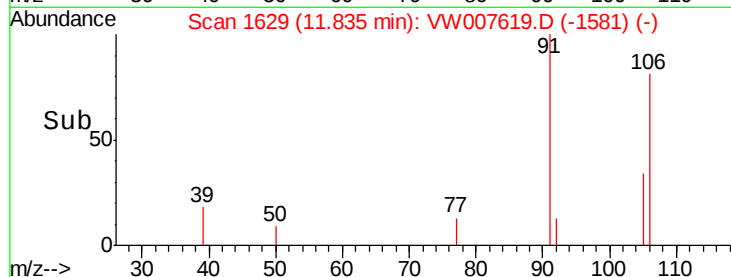
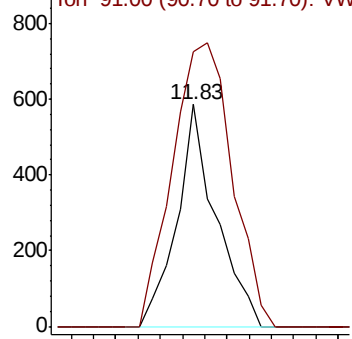
#68  
m/p-Xvlenes  
Concen: 5.912 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:106 Resp: 714  
Ion Ratio Lower Upper  
106 100  
91 195.2 165.3 247.9

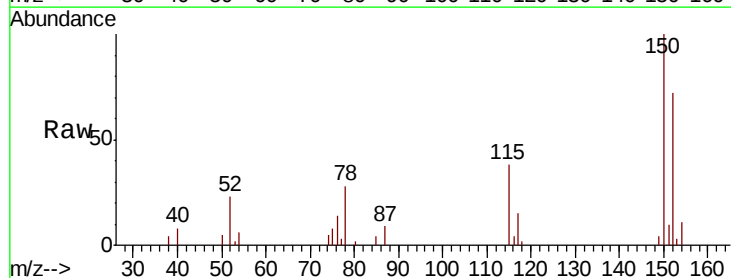


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

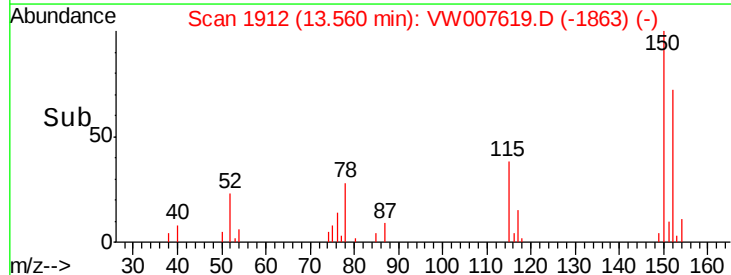
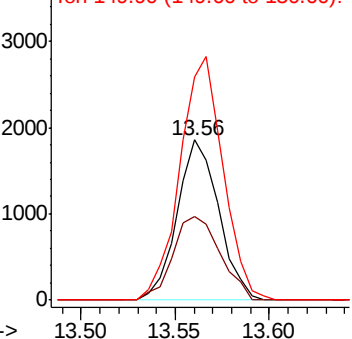


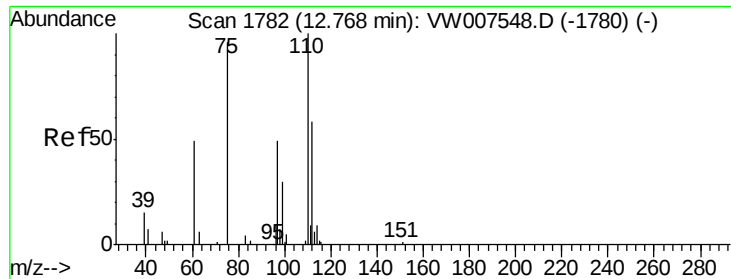
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW007619.D  
Acq: 16 Dec 2018 09:00

Tgt Ion:152 Resp: 2841  
Ion Ratio Lower Upper  
152 100  
115 59.4 31.4 94.2  
150 157.4 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



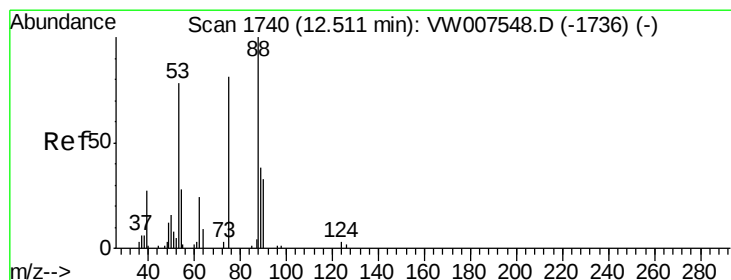
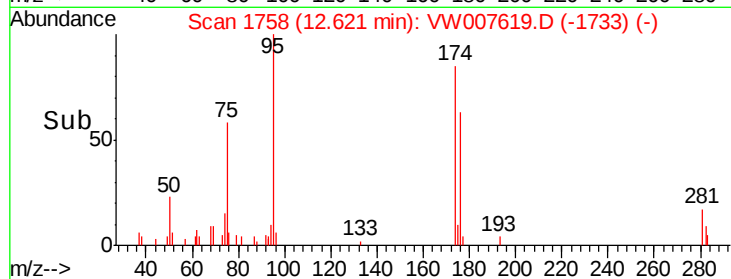
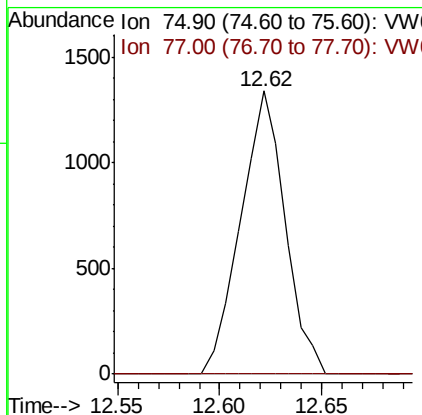
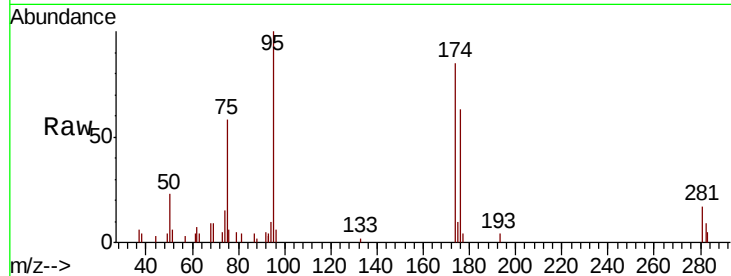


#76

1,2,3-Trichloropropane  
 Concen: 86.489 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.15 min  
 Lab File: VW007619.D  
 Acq: 16 Dec 2018 09:00

Instrument :  
 MSVOA\_W  
 ClientSampled :

Tot Ion: 75 Resp: 2026  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene  
 Concen: 191.056 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW007619.D  
 Acq: 16 Dec 2018 09:00

Tgt Ion: 75 Resp: 2026  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 84.9 127.3#  
 89 0.0 40.3 60.5#

