

Data File : VW013785.D  
Acq On : 29 Oct 2019 11:10  
Operator : SY/VA  
Sample : K5552-07  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

Quant Time: Oct 30 07:01:41 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Oct 30 06:58:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 324155   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 315139   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 187740   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 82360    | 20.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.84%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 74085    | 19.96    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.84%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 188891   | 21.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 86.00%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 79414    | 55.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.66% |
| 24) Chloroform-d               | 7.65   | 84    | 202836   | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 112276   | 23.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.68%  |
| 29) Benzene-d6                 | 8.27   | 84    | 416317   | 21.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 129989   | 22.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.96%  |
| 37) Toluene-d8                 | 10.32  | 98    | 375753   | 21.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58187    | 22.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.24%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 63661    | 58.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 121244   | 26.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.72% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 148586   | 22.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.60%  |

#### Target Compounds

|                              |      |     |        |             | Qvalue |
|------------------------------|------|-----|--------|-------------|--------|
| 3) Chloromethane             | 2.21 | 50  | 73253  | 18.560 ug/L | 99     |
| 6) Bromomethane              | 2.77 | 94  | 32347  | 9.076 ug/L  | 100    |
| 9) Trichlorofluoromethane    | 3.25 | 101 | 41800  | 12.574 ug/L | 97     |
| 12) 1,1-Dichloroethene       | 4.04 | 96  | 119797 | 23.254 ug/L | 93     |
| 13) Acetone                  | 4.12 | 43  | 121053 | 76.676 ug/L | 96     |
| 15) Methyl Acetate           | 4.67 | 43  | 113965 | 44.178 ug/L | 100    |
| 16) Methylene chloride       | 4.92 | 84  | 64372  | 10.371 ug/L | 95     |
| 17) Methyl tert-butyl Ether  | 5.42 | 73  | 227442 | 31.907 ug/L | 99     |
| 18) trans-1,2-Dichloroethene | 5.42 | 96  | 61862  | 10.863 ug/L | 99     |
| 22) cis-1,2-Dichloroethene   | 7.17 | 96  | 159438 | 26.083 ug/L | 99     |
| 23) Bromochloromethane       | 7.51 | 128 | 43684  | 15.811 ug/L | 97     |
| 27) 1,2-Dichloroethane       | 8.40 | 62  | 67098  | 10.811 ug/L | 95     |
| 30) Cyclohexane              | 7.95 | 56  | 98762  | 10.697 ug/L | 99     |
| 31) 1,1,1-Trichloroethane    | 7.87 | 97  | 80019  | 10.887 ug/L | 98     |
| 32) Carbon tetrachloride     | 8.07 | 117 | 96176  | 13.437 ug/L | 100    |
| 35) Trichloroethene          | 9.09 | 95  | 246121 | 42.424 ug/L | 100    |
| 36) Methylcyclohexane        | 9.34 | 83  | 274550 | 26.850 ug/L | 100    |

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Quant Title : VOC Analysis  
QLast Update : Wed Oct 30 06:58:53 2019  
Response via : Initial Calibration

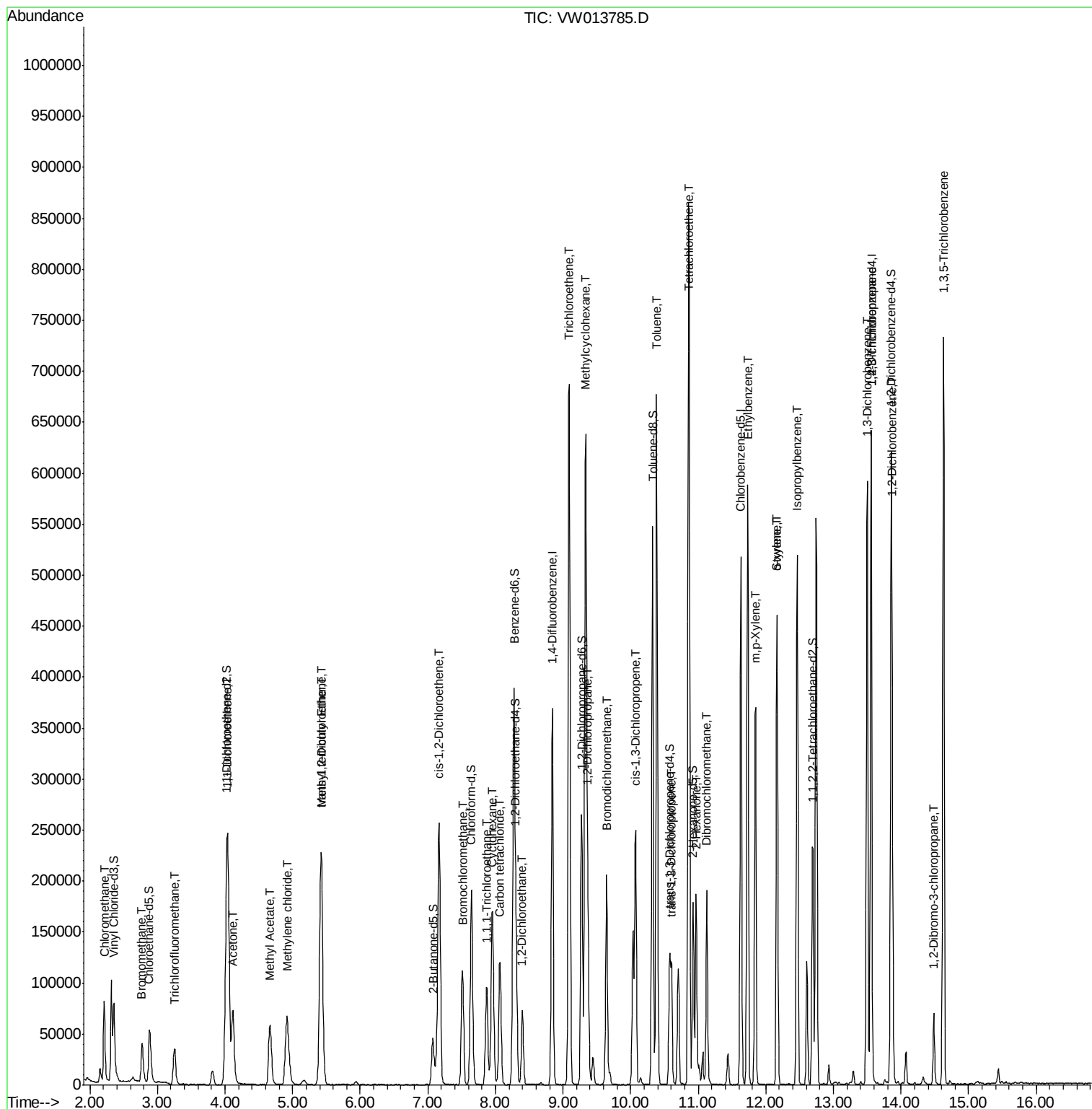
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 40) 1,2-Dichloropropane        | 9.37  | 63   | 74357    | 13.449 | ug/L   | 100      |
| 41) Bromodichloromethane       | 9.65  | 83   | 144471   | 21.326 | ug/L   | 96       |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75   | 151499   | 17.356 | ug/L   | 100      |
| 44) Toluene                    | 10.38 | 91   | 514991   | 21.199 | ug/L   | 97       |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 61153    | 8.679  | ug/L   | 98       |
| 47) Tetrachloroethene          | 10.86 | 164  | 222469   | 41.892 | ug/L   | 98       |
| 49) 2-Hexanone                 | 10.97 | 43   | 117084   | 43.753 | ug/L   | 96       |
| 50) Dibromochloromethane       | 11.13 | 129  | 105978   | 21.060 | ug/L   | 95       |
| 53) Ethylbenzene               | 11.73 | 91   | 418035   | 15.574 | ug/L   | 99       |
| 54) m,p-Xylene                 | 11.85 | 106  | 107622   | 10.376 | ug/L   | 99       |
| 55) o-xylene                   | 12.16 | 106  | 125096   | 12.709 | ug/L   | 100      |
| 56) Styrene                    | 12.16 | 104  | 6780     | 0.403  | ug/L # | 1        |
| 57) Isopropylbenzene           | 12.46 | 105  | 338673   | 12.827 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane     | 13.55 | 75   | 18595    | 4.990  | ug/L   | 89       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 258063   | 20.258 | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 123009   | 10.657 | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75   | 17628    | 22.220 | ug/L   | 90       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 251557   | 26.562 | ug/L   | 99       |

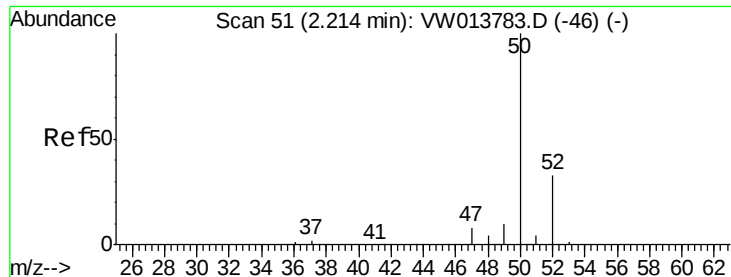
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Quant Title : VOC Analysis  
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#3

Chloromethane

Concen: 18.560 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampleId :

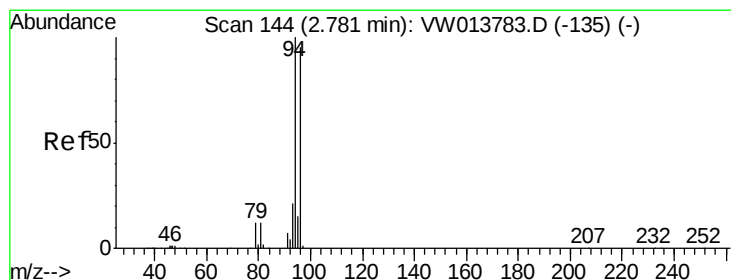
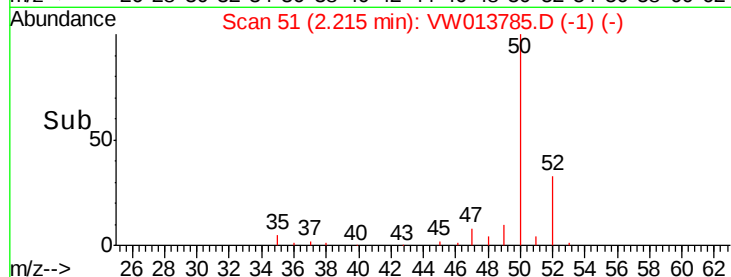
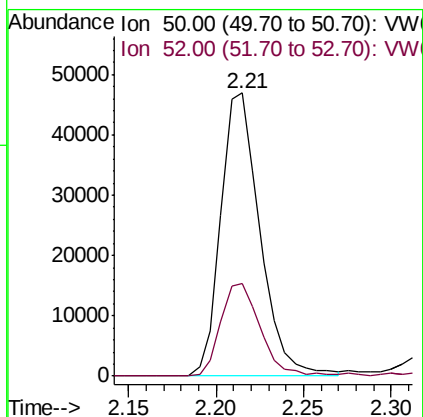
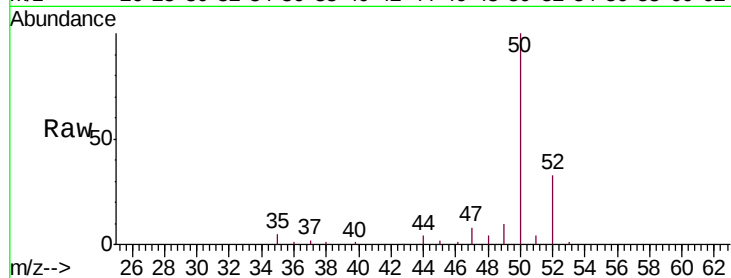
GAQ80

Tgt Ion: 50 Resp: 73253

Ion Ratio Lower Upper

50 100

52 32.8 23.3 43.3



#6

Bromomethane

Concen: 9.076 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013785.D

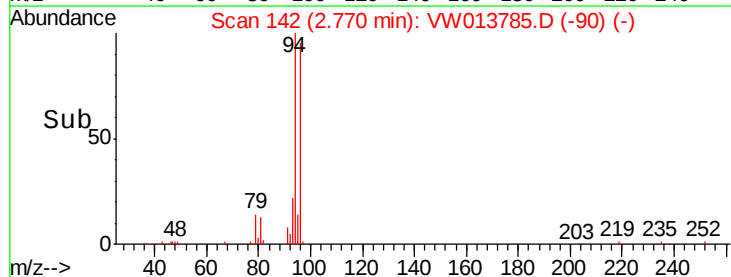
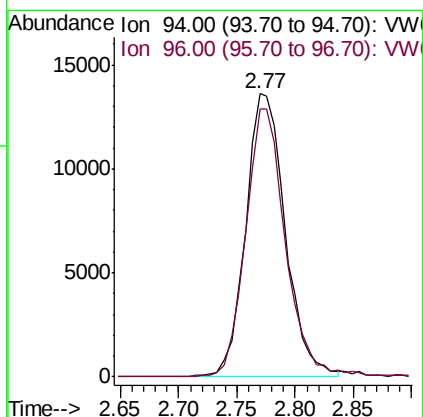
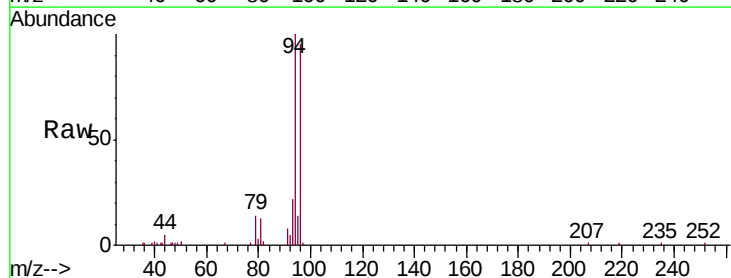
Acq: 29 Oct 2019 11:10

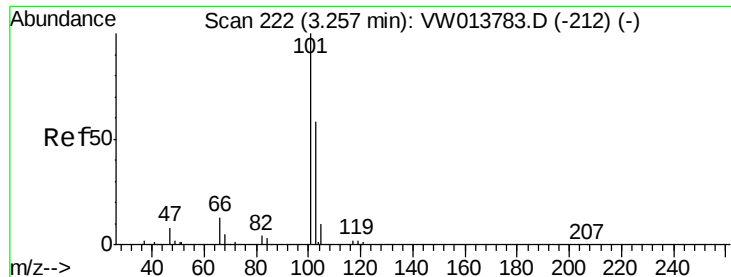
Tgt Ion: 94 Resp: 32347

Ion Ratio Lower Upper

94 100

96 93.6 9.3 176.9



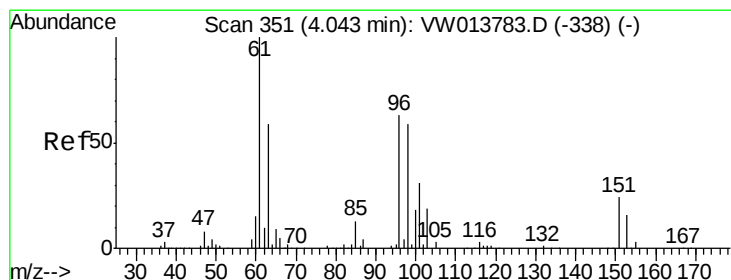
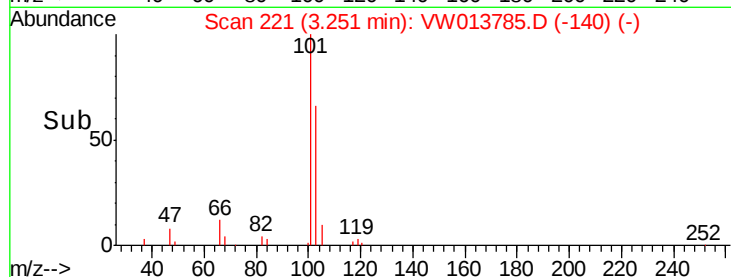
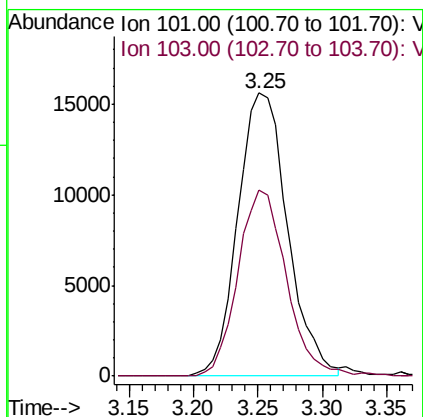
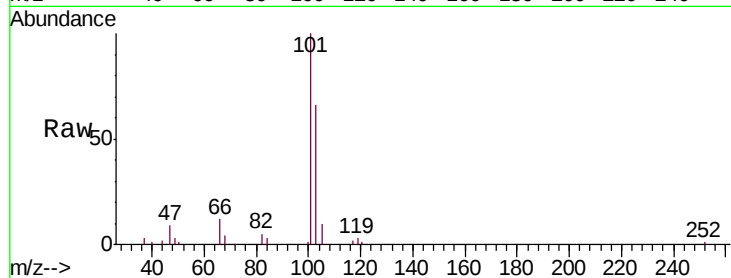


#9

Trichlorofluoromethane  
 Concen: 12.574 ug/L  
 RT: 3.25 min Scan# 221  
 Delta R.T. -0.01 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ80

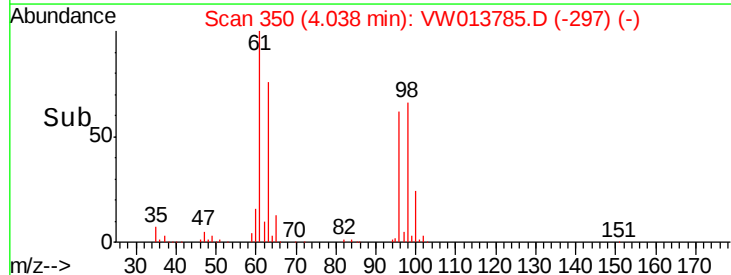
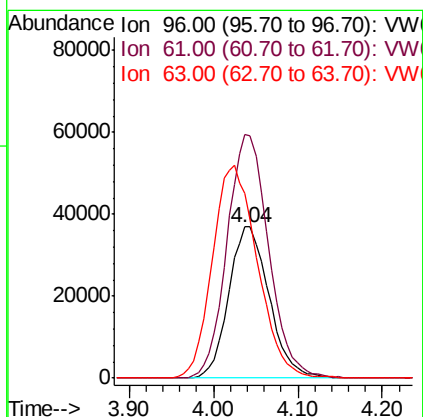
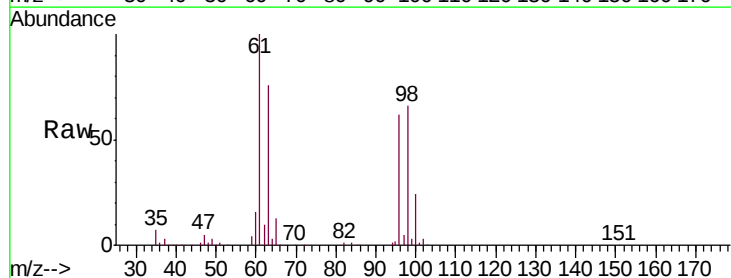
Tgt Ion: 101 Resp: 41800  
 Ion Ratio Lower Upper  
 101 100  
 103 63.8 46.5 86.5

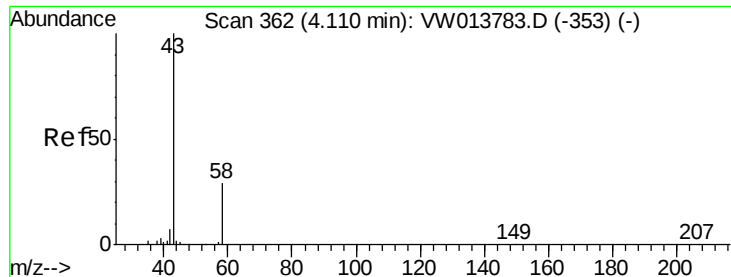


#12

1,1-Dichloroethene  
 Concen: 23.254 ug/L  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.01 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

Tgt Ion: 96 Resp: 119797  
 Ion Ratio Lower Upper  
 96 100  
 61 160.9 112.7 209.3  
 63 121.7 72.8 135.2





#13

Acetone

Concen: 76.676 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampleId :

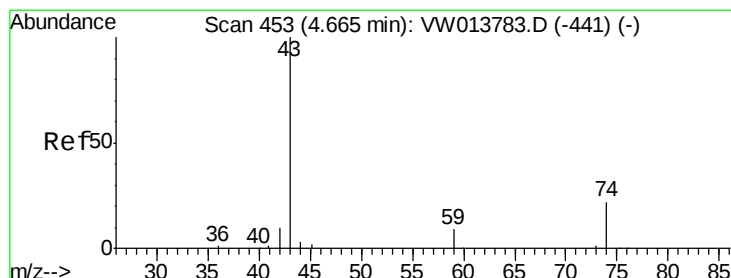
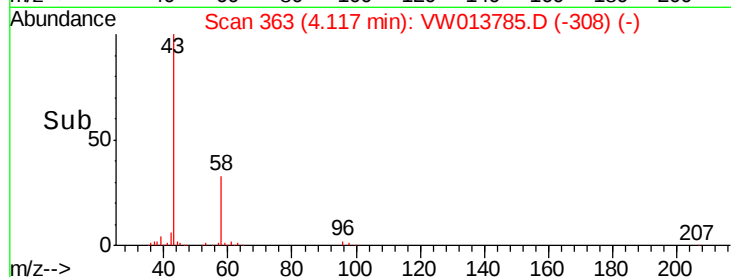
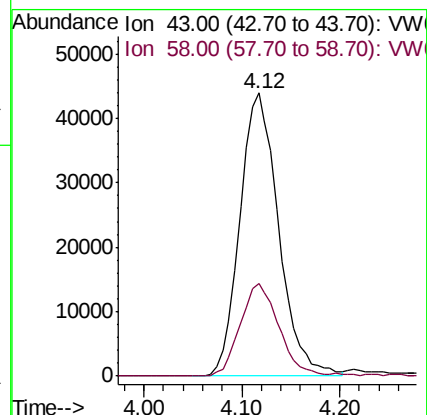
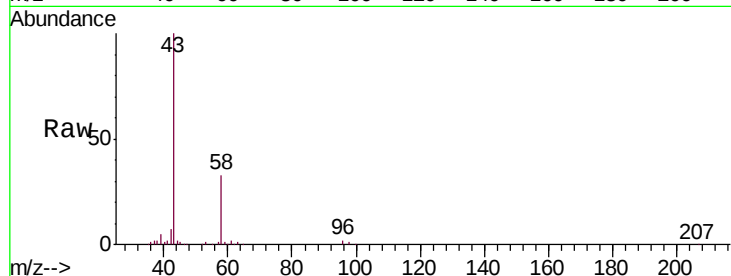
GAQ80

Tgt Ion: 43 Resp: 121053

Ion Ratio Lower Upper

43 100

58 32.6 0.0 70.4



#15

Methyl Acetate

Concen: 44.178 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013785.D

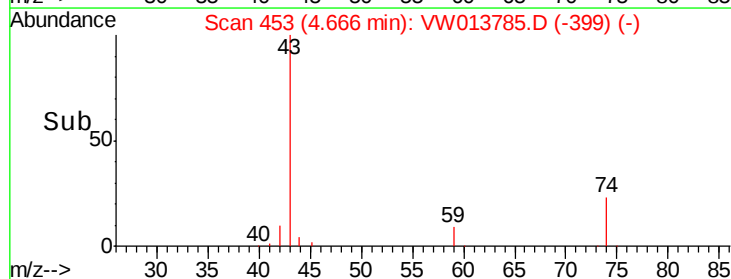
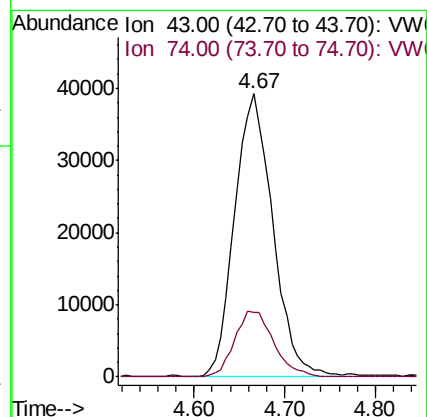
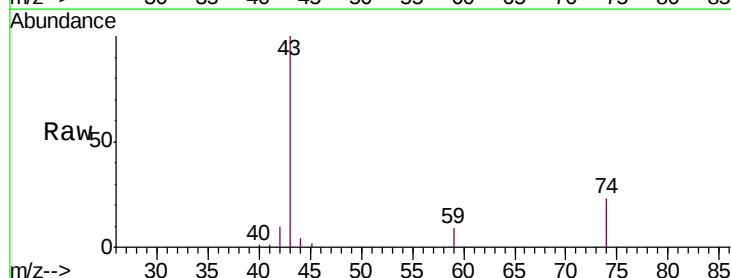
Acq: 29 Oct 2019 11:10

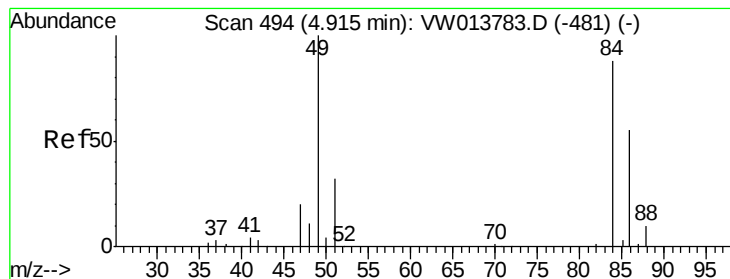
Tgt Ion: 43 Resp: 113965

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8





#16

Methylene chloride

Concen: 10.371 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampled :

GAQ80

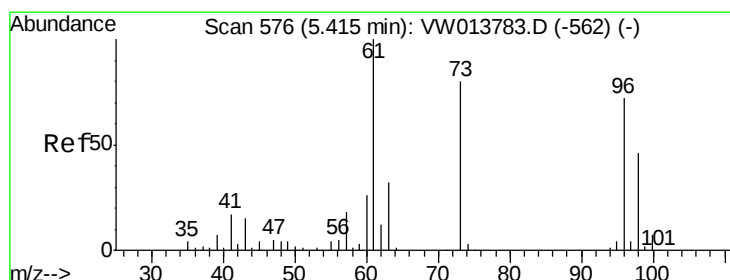
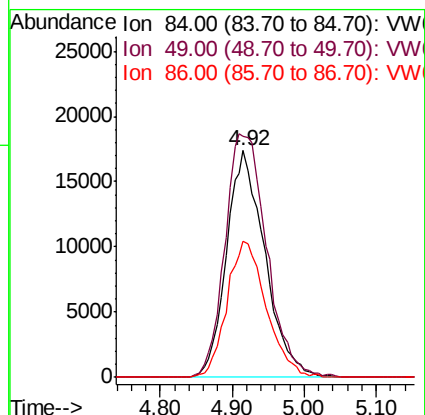
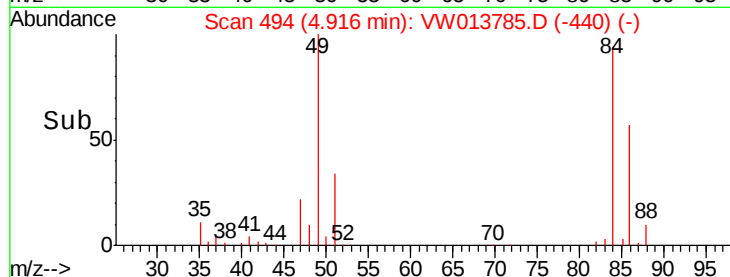
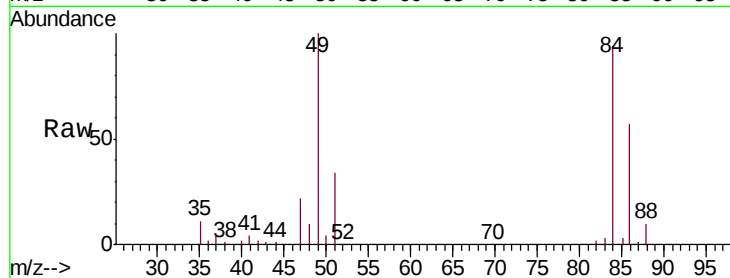
Tgt Ion: 84 Resp: 64372

Ion Ratio Lower Upper

84 100

49 106.2 80.2 148.9

86 60.1 42.7 79.3



#17

Methyl tert-butyl Ether

Concen: 31.907 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

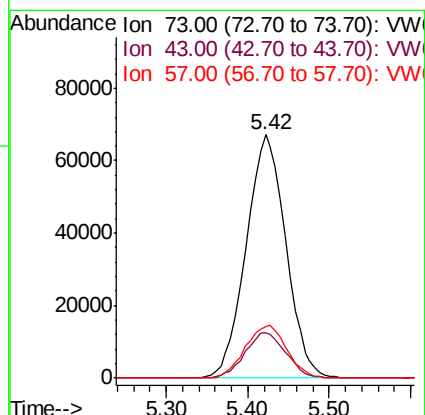
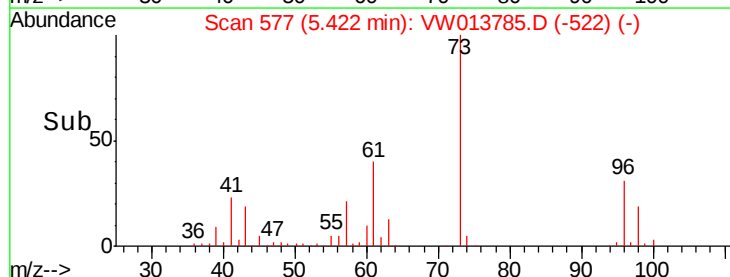
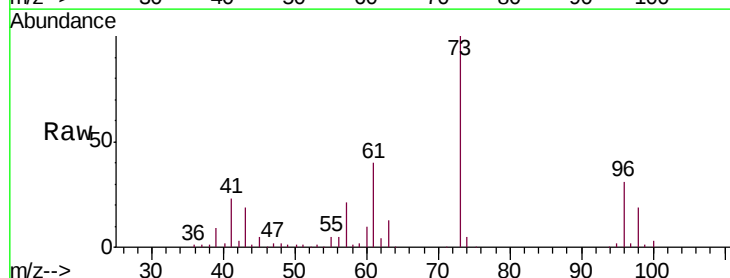
Tgt Ion: 73 Resp: 227442

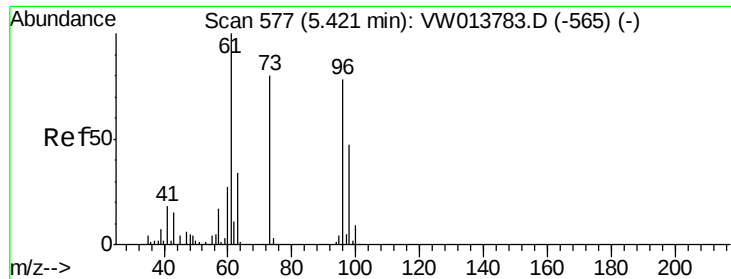
Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.2

57 22.7 17.7 26.5

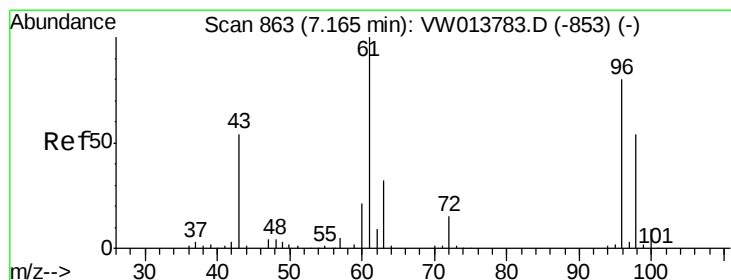
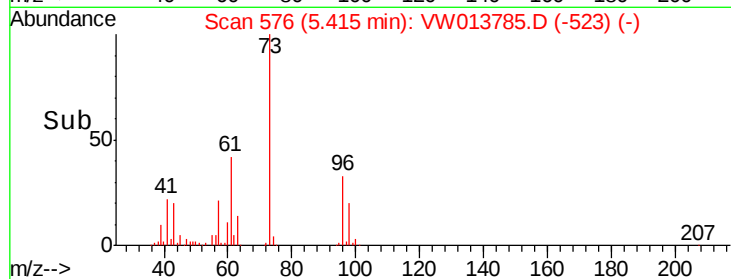
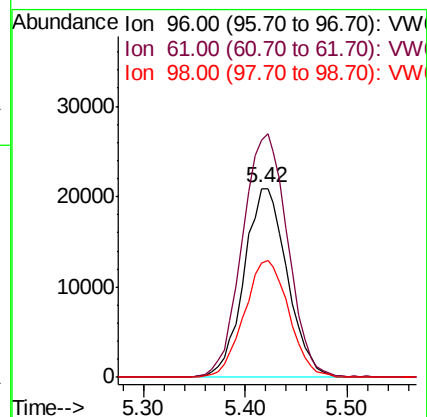
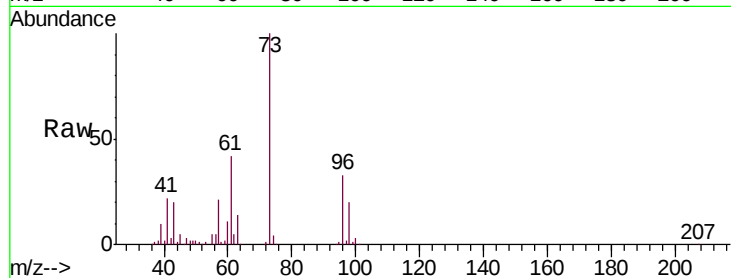




#18  
 trans-1,2-Dichloroethene  
 Concen: 10.863 ug/L  
 RT: 5.42 min Scan# 576  
 Delta R.T. -0.01 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

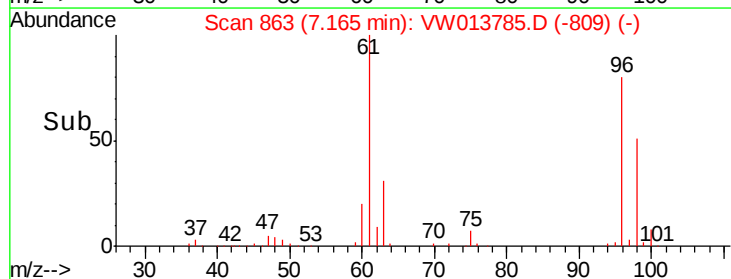
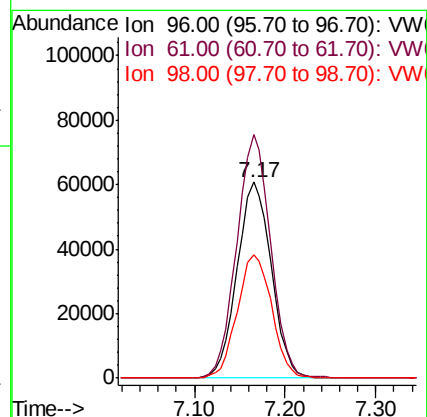
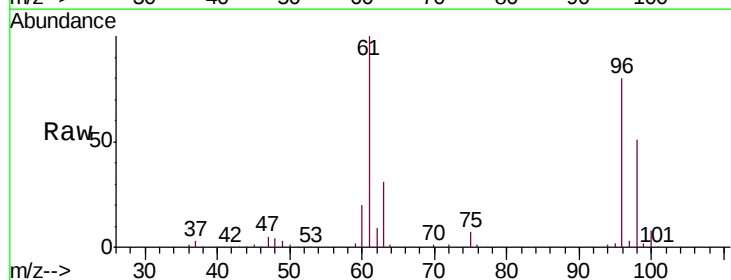
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ80

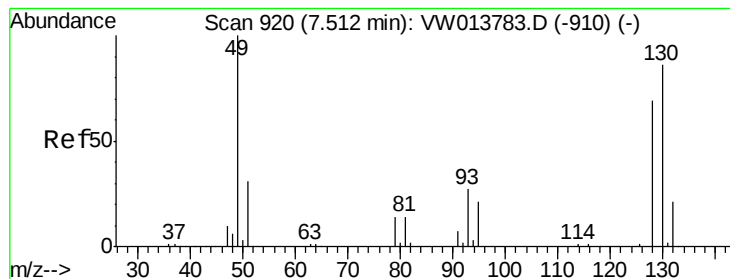
Tgt Ion: 96 Resp: 61862  
 Ion Ratio Lower Upper  
 96 100  
 61 125.7 88.4 164.2  
 98 60.5 43.0 79.8



#22  
 cis-1,2-Dichloroethene  
 Concen: 26.083 ug/L  
 RT: 7.17 min Scan# 863  
 Delta R.T. 0.00 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

Tgt Ion: 96 Resp: 159438  
 Ion Ratio Lower Upper  
 96 100  
 61 124.4 86.2 160.0  
 98 63.0 43.0 79.8





#23

Bromochloromethane

Concen: 15.811 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampleId :

GAQ80

Tgt Ion:128 Resp: 43684

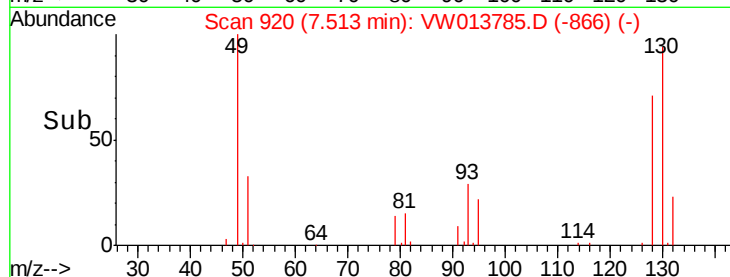
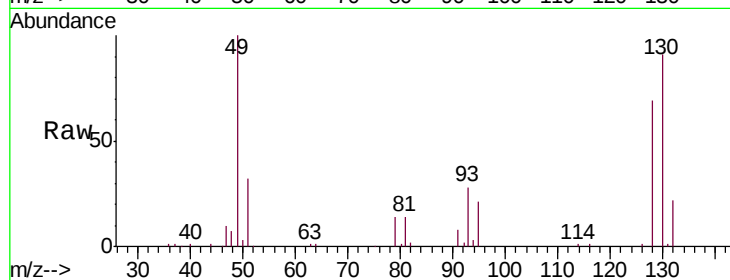
Ion Ratio Lower Upper

128 100

49 145.6 106.3 197.3

130 131.8 93.2 173.2

51 46.5 37.4 56.0



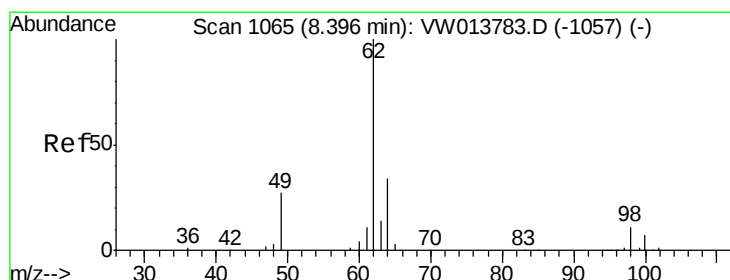
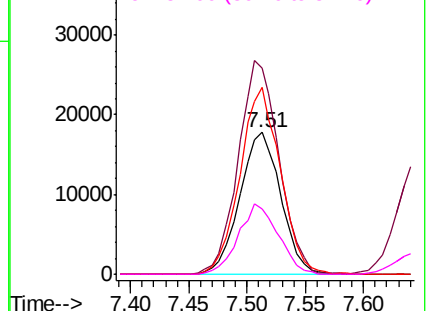
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#27

1,2-Dichloroethane

Concen: 10.811 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013785.D

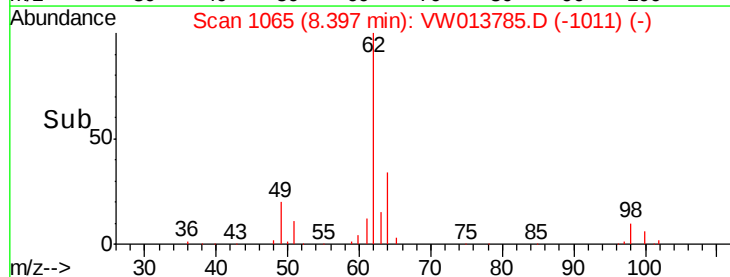
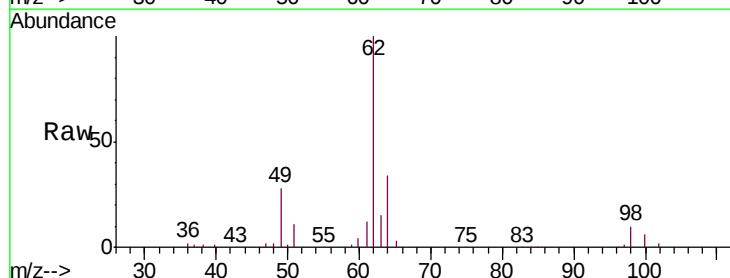
Acq: 29 Oct 2019 11:10

Tgt Ion: 62 Resp: 67098

Ion Ratio Lower Upper

62 100

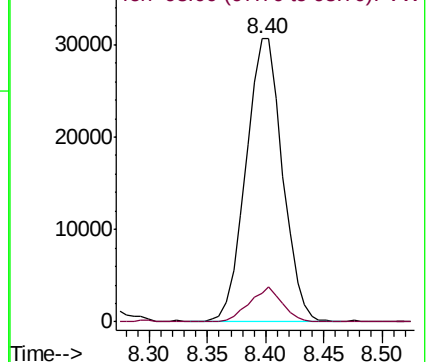
98 10.0 9.6 14.4

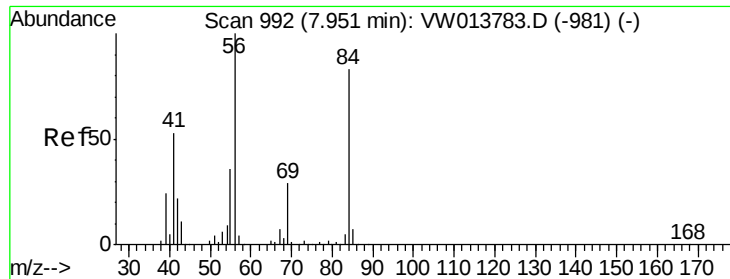


Abundance

Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

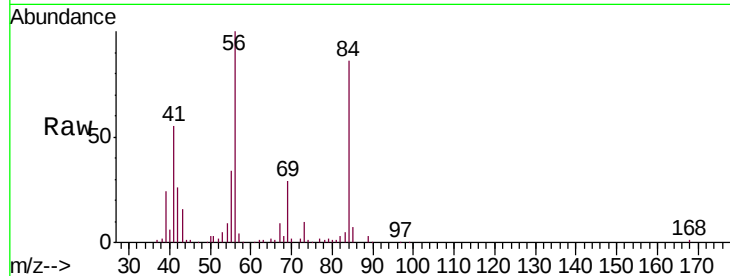




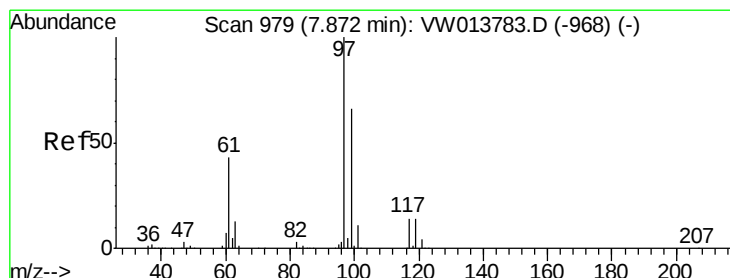
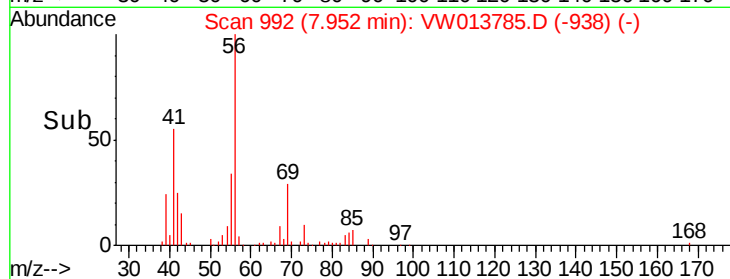
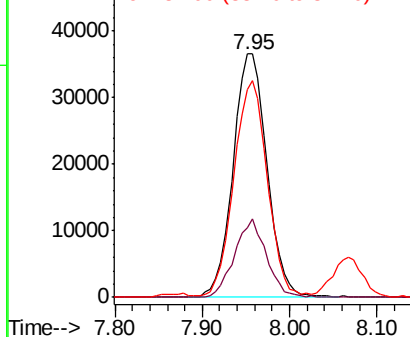
#30  
Cyclohexane  
Concen: 10.697 ug/L  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

Tgt Ion: 56 Resp: 98762  
Ion Ratio Lower Upper  
56 100  
69 29.9 24.6 37.0  
84 87.7 71.1 106.7

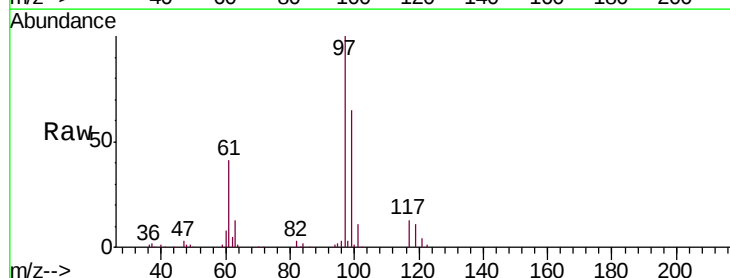


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

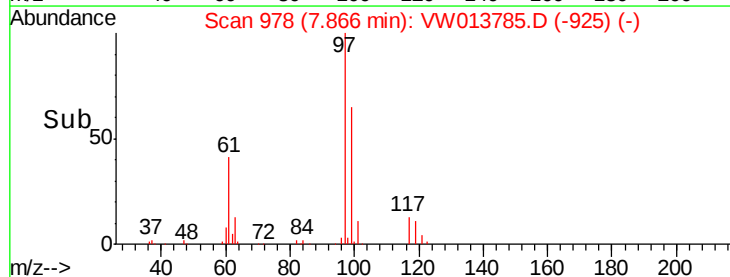
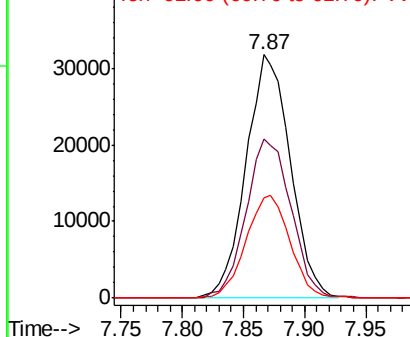


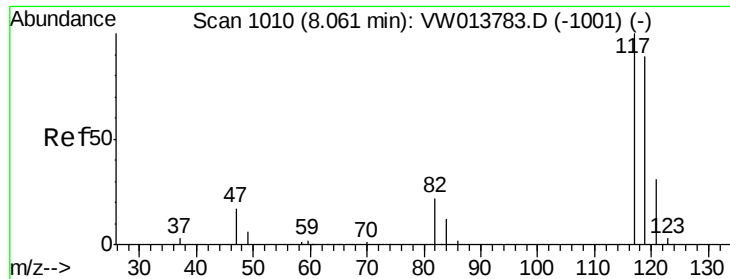
#31  
1,1,1-Trichloroethane  
Concen: 10.887 ug/L  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Tgt Ion: 97 Resp: 80019  
Ion Ratio Lower Upper  
97 100  
99 66.5 51.7 77.5  
61 41.8 33.8 50.8



Abundance Ion 97.00 (96.70 to 97.70): VW  
Ion 99.00 (98.70 to 99.70): VW  
Ion 61.00 (60.70 to 61.70): VW

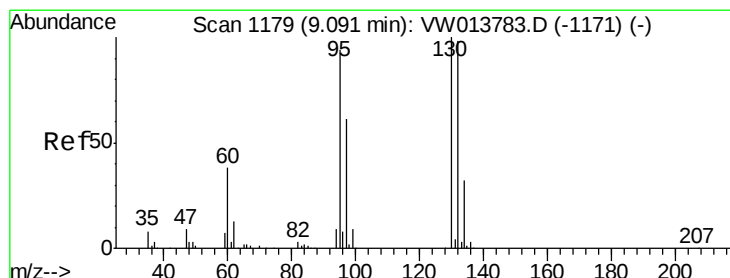
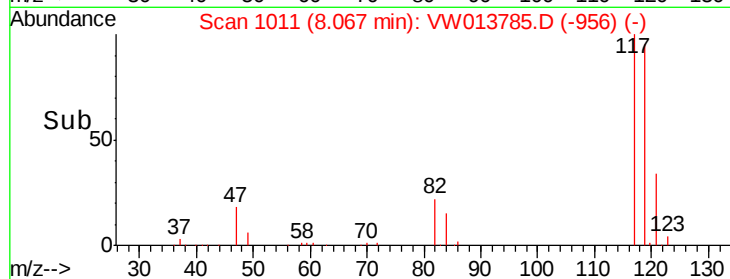
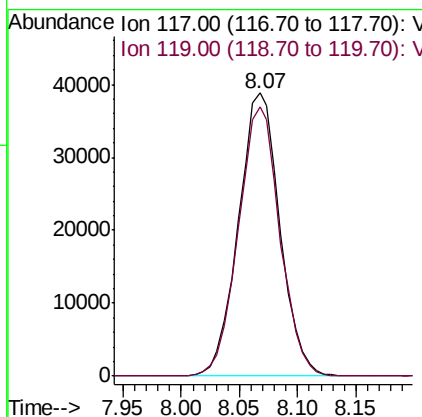
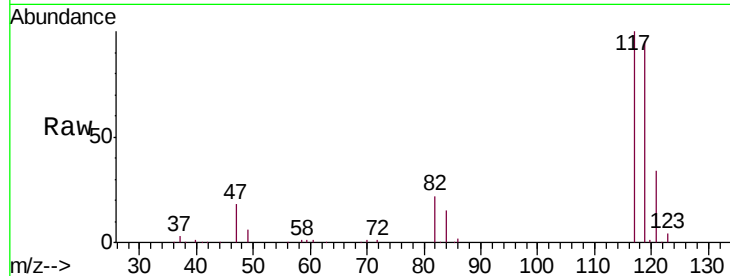




#32  
Carbon tetrachloride  
Concen: 13.437 ug/L  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.01 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

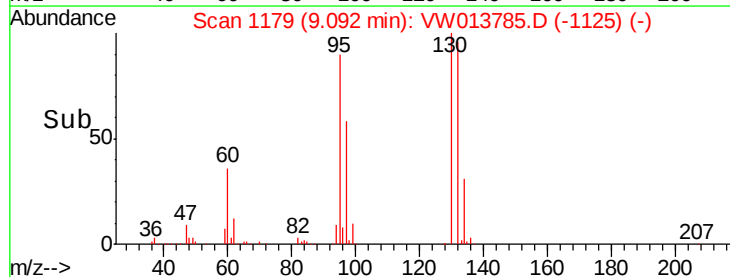
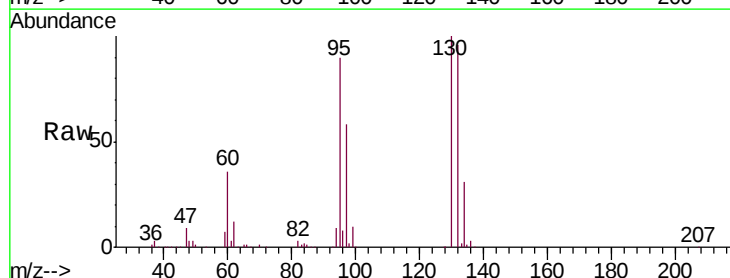
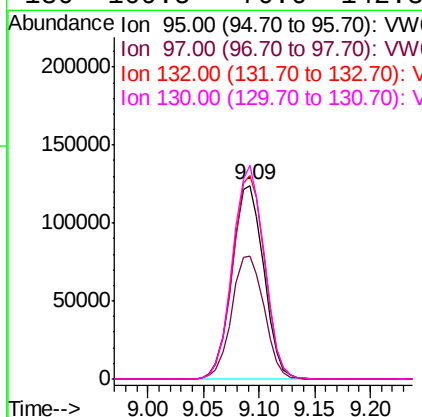
Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

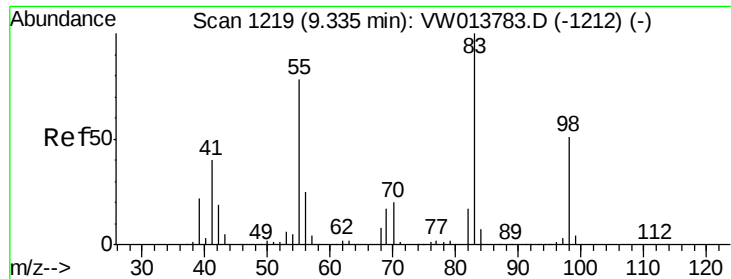
Tgt Ion: 117 Resp: 96176  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.1 114.1



#35  
Trichloroethene  
Concen: 42.424 ug/L  
RT: 9.09 min Scan# 1179  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Tgt Ion: 95 Resp: 246121  
Ion Ratio Lower Upper  
95 100  
97 64.8 45.8 85.2  
132 105.7 74.3 138.1  
130 109.5 76.6 142.3

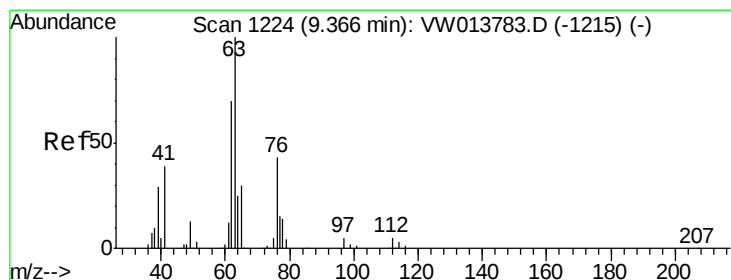
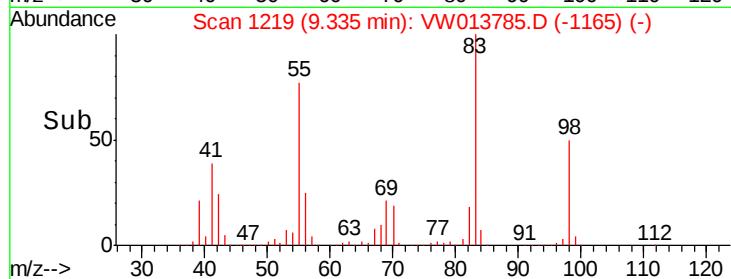
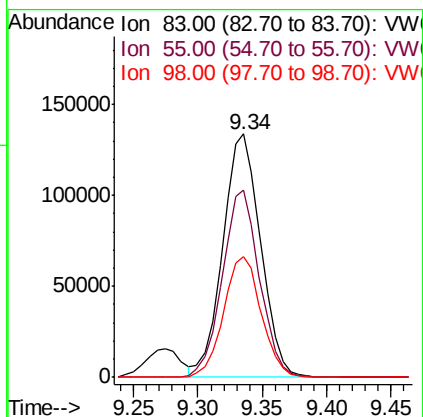
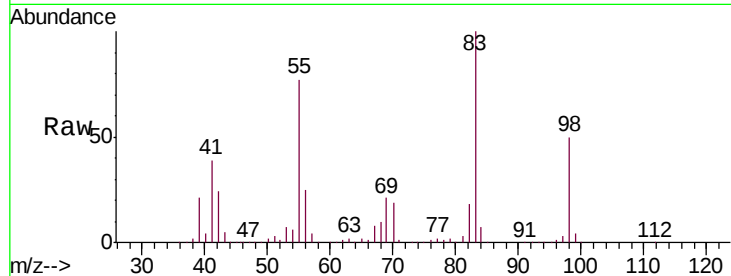




#36  
Methylcyclohexane  
Concen: 26.850 ug/L  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

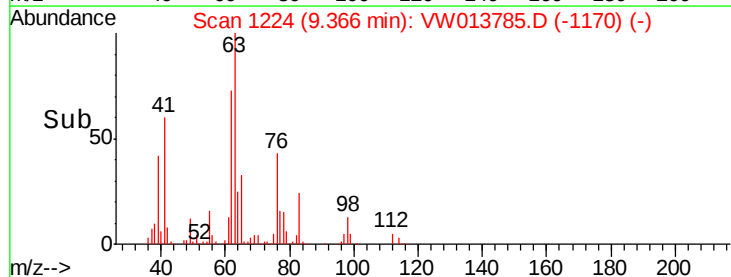
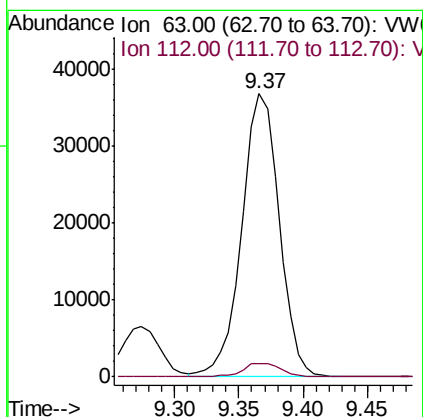
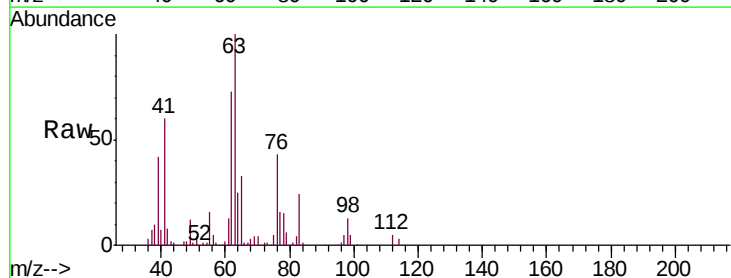
Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

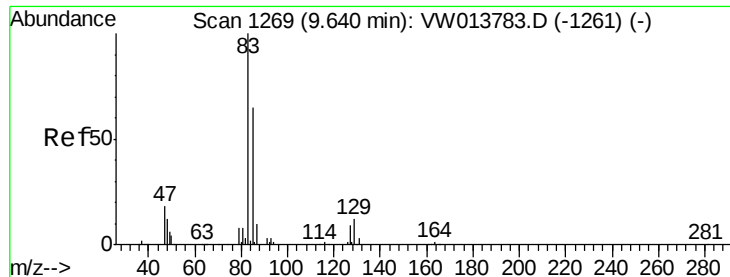
Tgt Ion: 83 Resp: 274550  
Ion Ratio Lower Upper  
83 100  
55 75.5 60.2 90.4  
98 49.0 39.1 58.7



#40  
1,2-Dichloropropane  
Concen: 13.449 ug/L  
RT: 9.37 min Scan# 1224  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Tgt Ion: 63 Resp: 74357  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.9 5.9





#41

Bromodichloromethane

Concen: 21.326 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampleId :

GAQ80

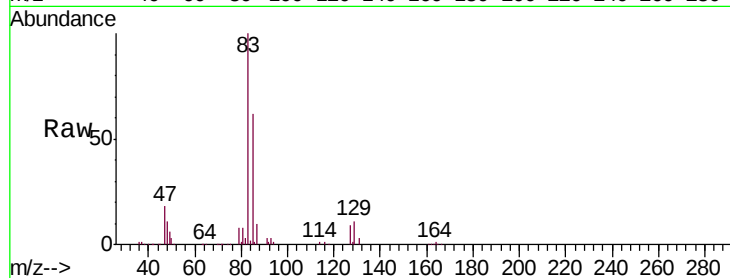
Tgt Ion: 83 Resp: 144471

Ion Ratio Lower Upper

83 100

85 62.0 45.8 85.0

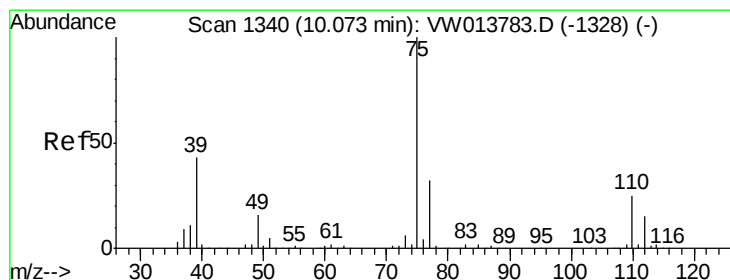
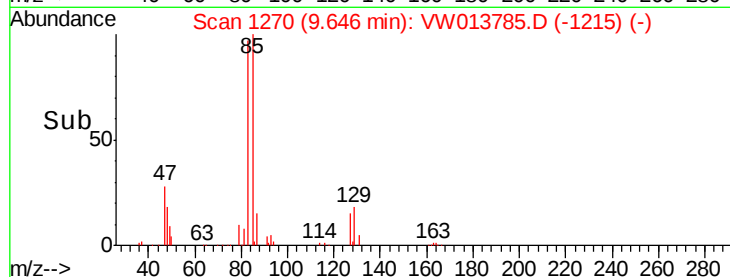
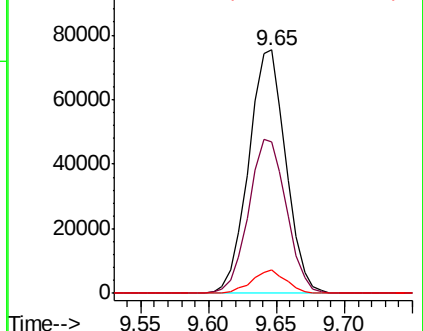
127 9.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



#42

cis-1,3-Dichloropropene

Concen: 17.356 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013785.D

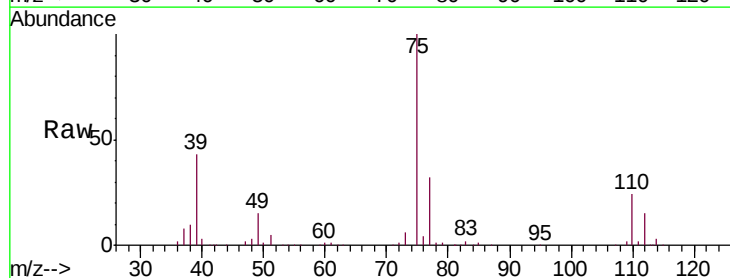
Acq: 29 Oct 2019 11:10

Tgt Ion: 75 Resp: 151499

Ion Ratio Lower Upper

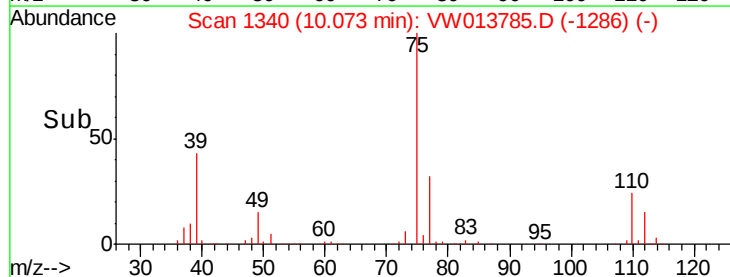
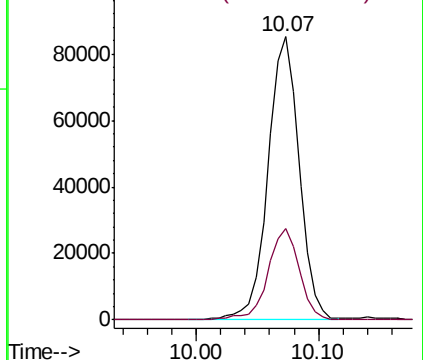
75 100

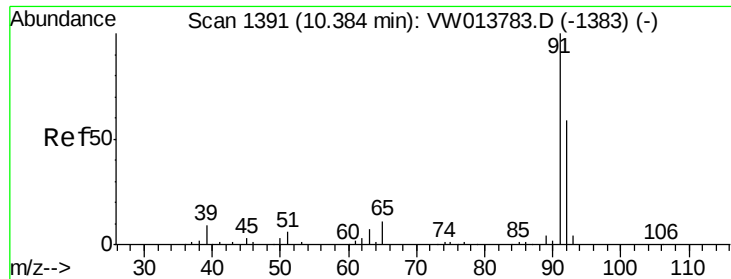
77 32.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 21.199 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampled :

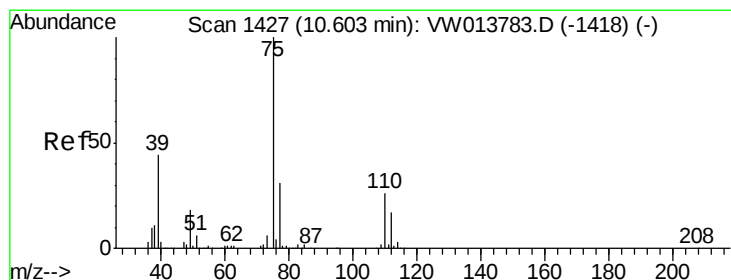
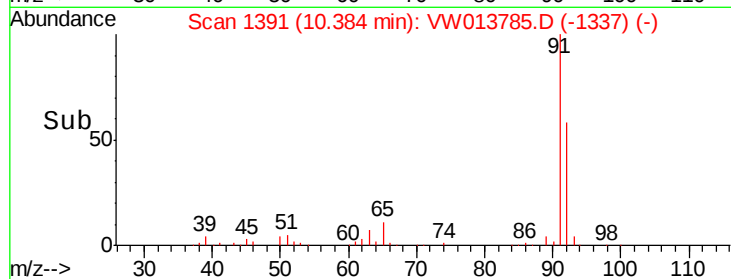
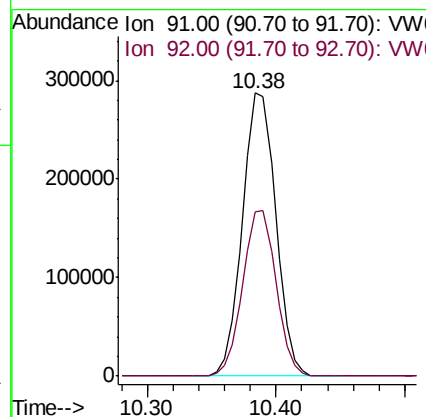
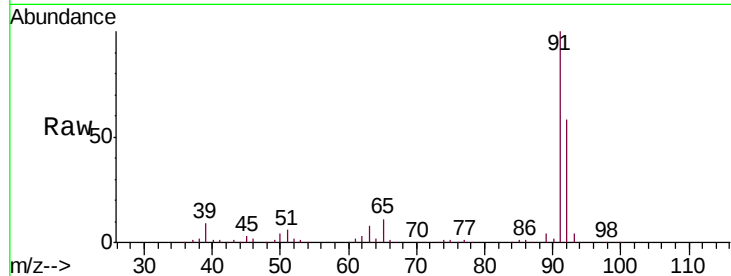
GAQ80

Tgt Ion: 91 Resp: 514991

Ion Ratio Lower Upper

91 100

92 58.1 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 8.679 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013785.D

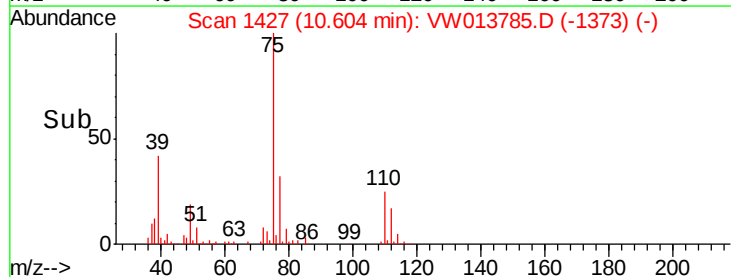
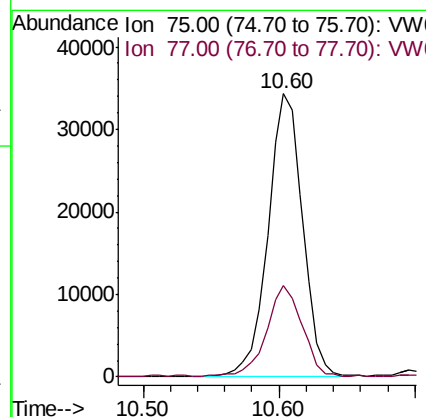
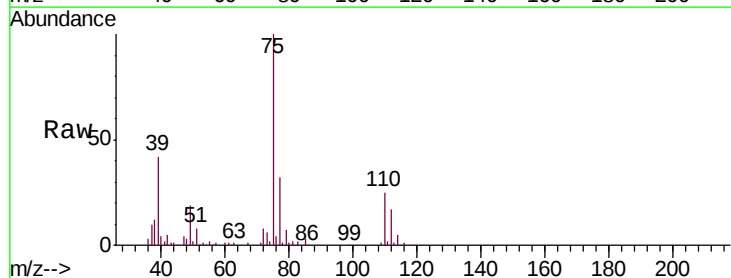
Acq: 29 Oct 2019 11:10

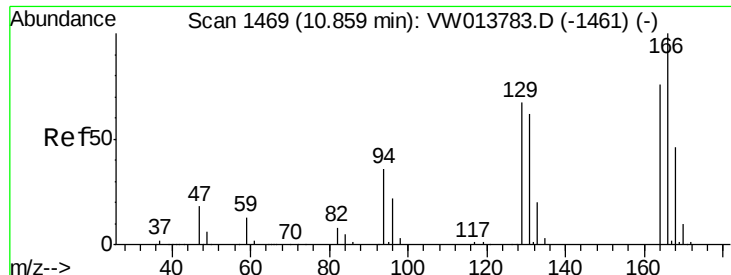
Tgt Ion: 75 Resp: 61153

Ion Ratio Lower Upper

75 100

77 32.5 22.0 41.0

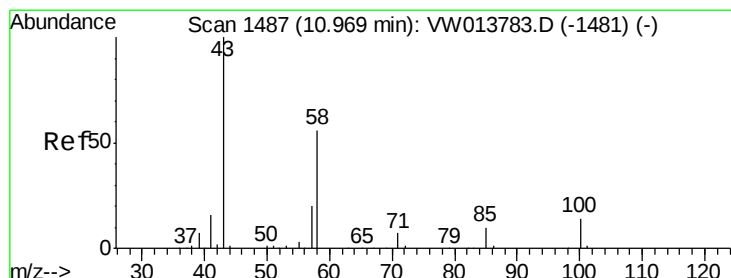
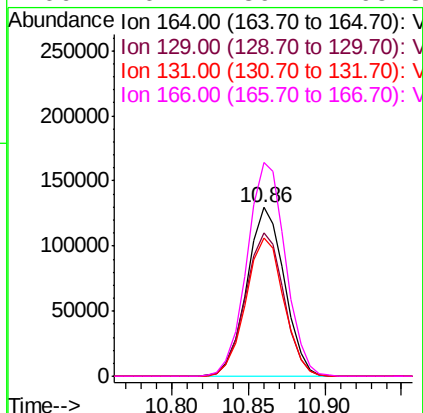
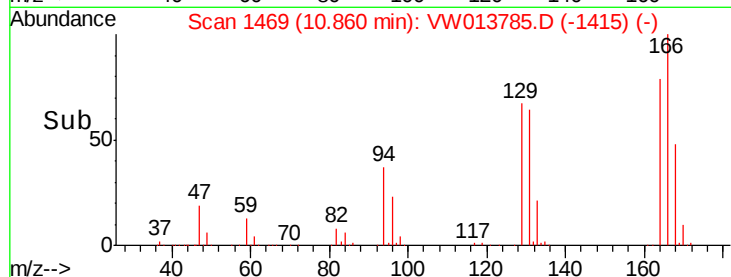
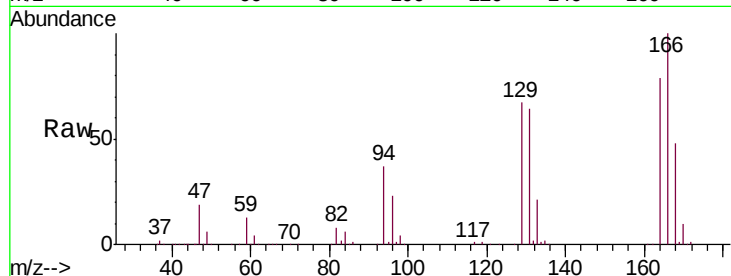




#47  
Tetrachloroethene  
Concen: 41.892 ug/L  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

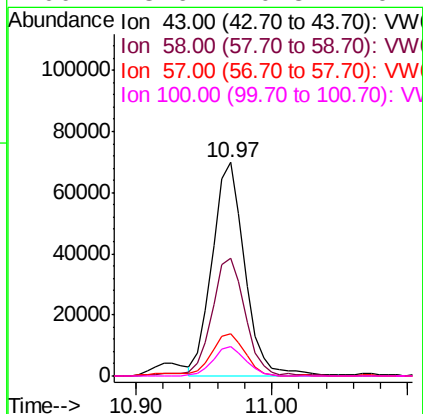
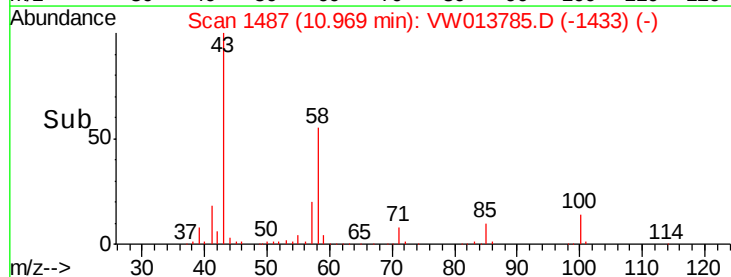
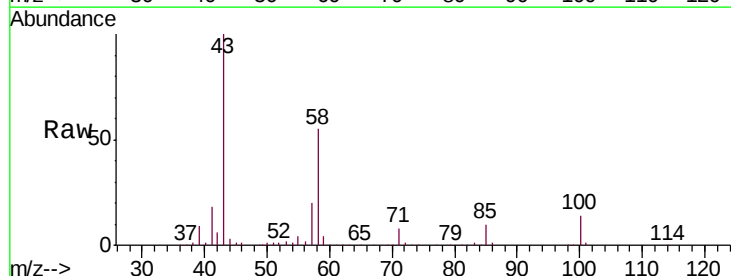
Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

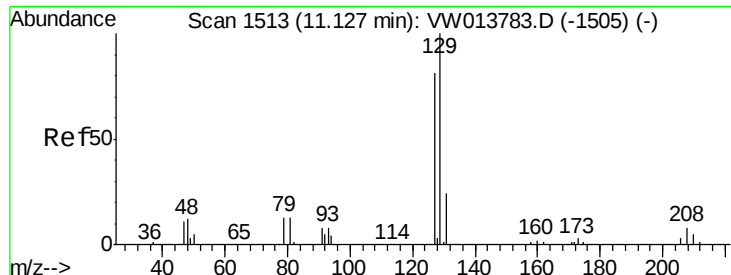
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 85.2  | 61.8  | 114.8 |
| 131     | 81.7  | 59.2  | 110.0 |
| 166     | 126.7 | 89.2  | 165.8 |



#49  
2-Hexanone  
Concen: 43.753 ug/L  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.6  | 45.8  | 68.6  |
| 57      | 20.1  | 15.4  | 23.2  |
| 100     | 13.6  | 10.8  | 16.2  |

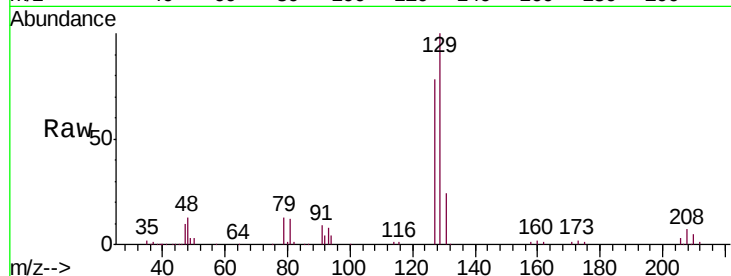




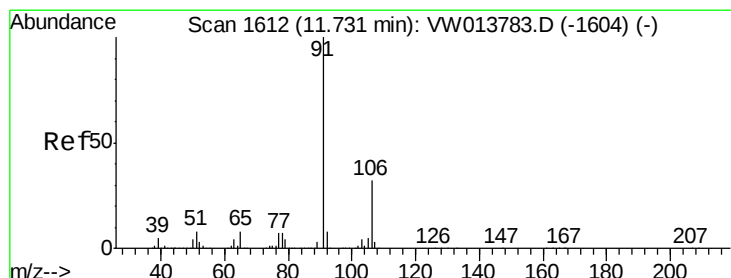
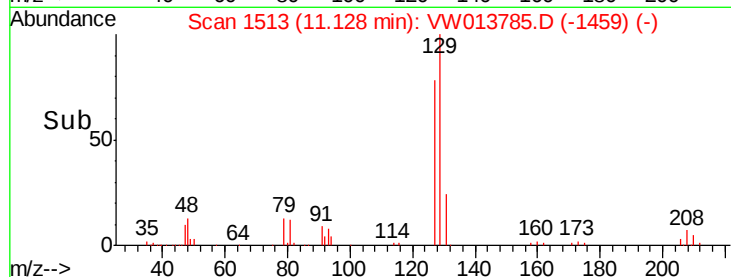
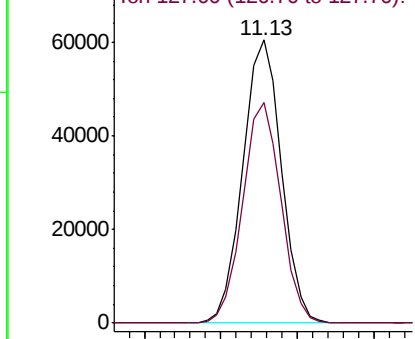
#50  
Dibromochloromethane  
Concen: 21.060 ug/L  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

Tgt Ion: 129 Resp: 105978  
Ion Ratio Lower Upper  
129 100  
127 77.8 51.4 95.5

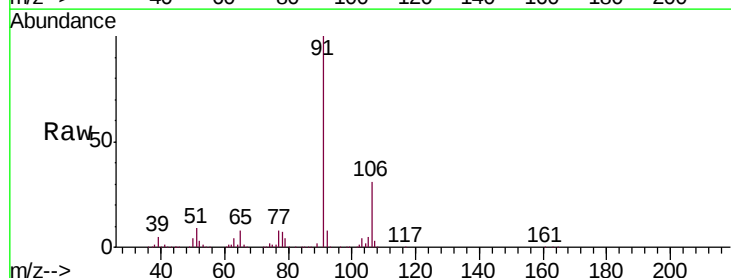


Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

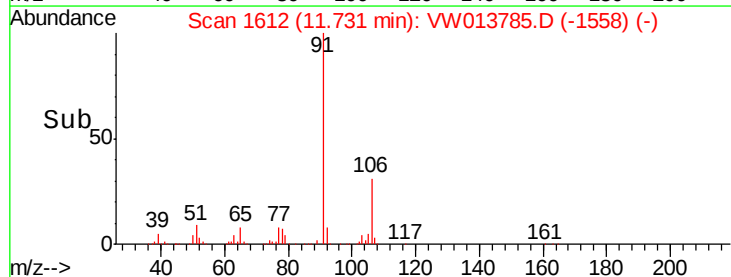
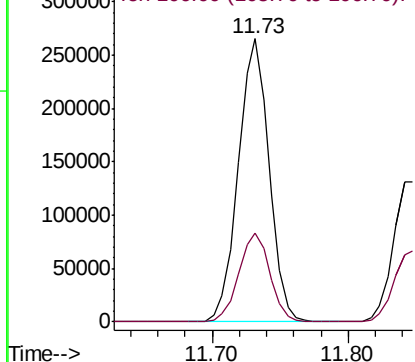


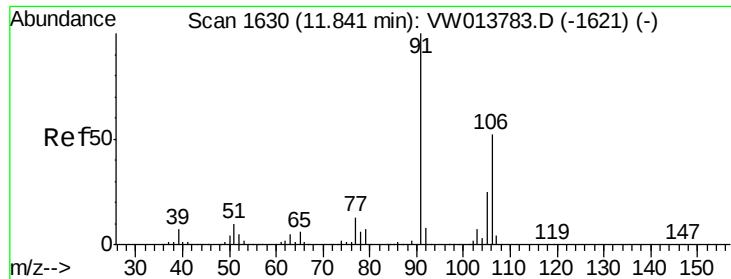
#53  
Ethylbenzene  
Concen: 15.574 ug/L  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Tgt Ion: 91 Resp: 418035  
Ion Ratio Lower Upper  
91 100  
106 31.4 22.3 41.3



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

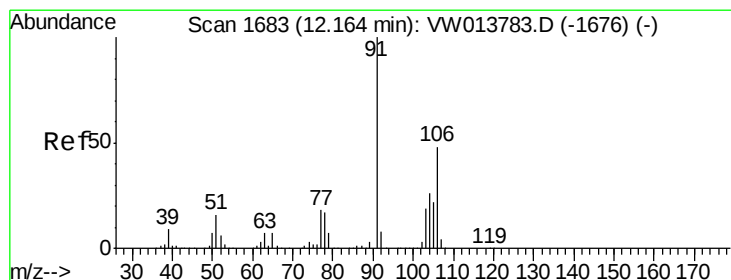
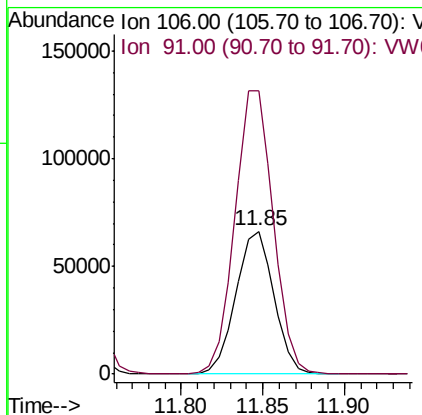
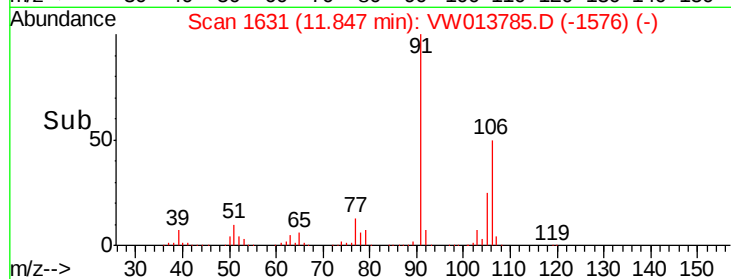
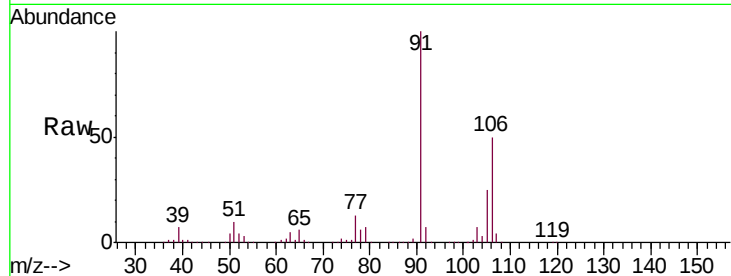




#54  
m,p-Xylene  
Concen: 10.376 ug/L  
RT: 11.85 min Scan# 1631  
Delta R.T. 0.01 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

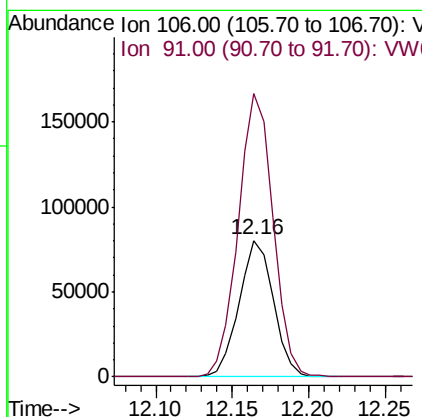
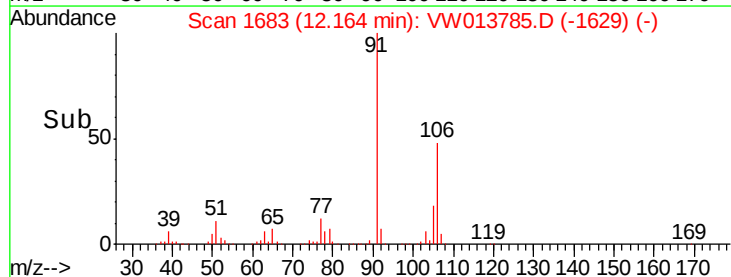
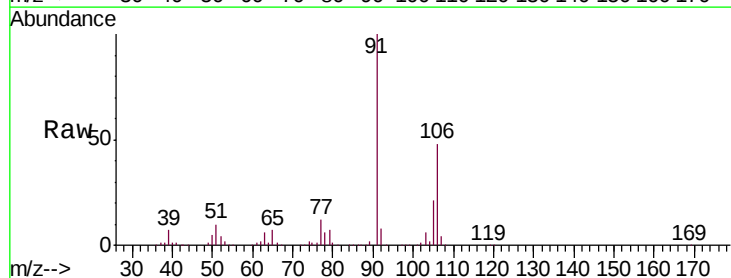
Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQ80

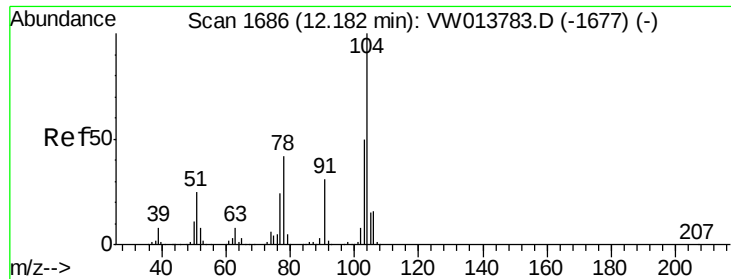
Tgt Ion:106 Resp: 107622  
Ion Ratio Lower Upper  
106 100  
91 198.1 137.7 255.7



#55  
o-xylene  
Concen: 12.709 ug/L  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW013785.D  
Acq: 29 Oct 2019 11:10

Tgt Ion:106 Resp: 125096  
Ion Ratio Lower Upper  
106 100  
91 207.5 144.8 269.0





#56

Styrene

Concen: 0.403 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.02 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

Instrument :

MSVOA\_W

ClientSampleId :

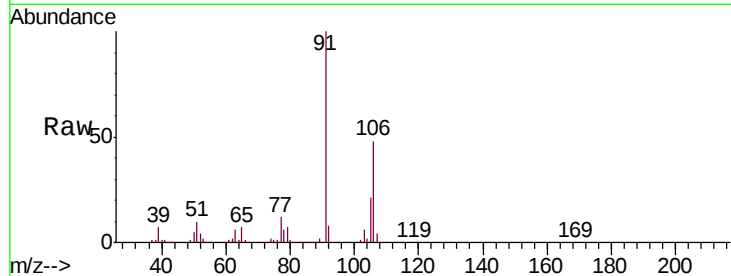
GAQ80

Tgt Ion:104 Resp: 6780

Ion Ratio Lower Upper

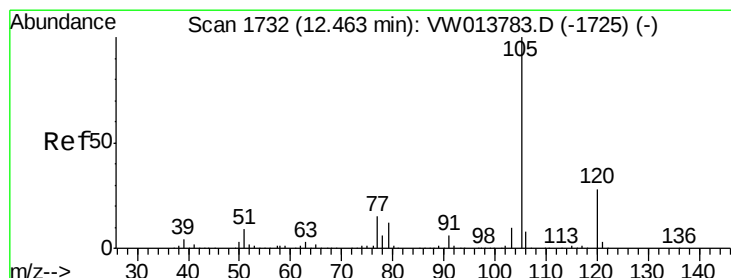
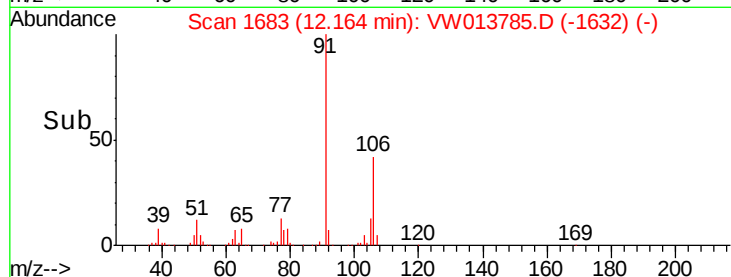
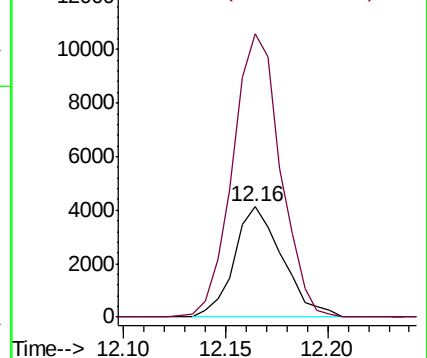
104 100

78 257.4 29.3 54.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 12.827 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013785.D

Acq: 29 Oct 2019 11:10

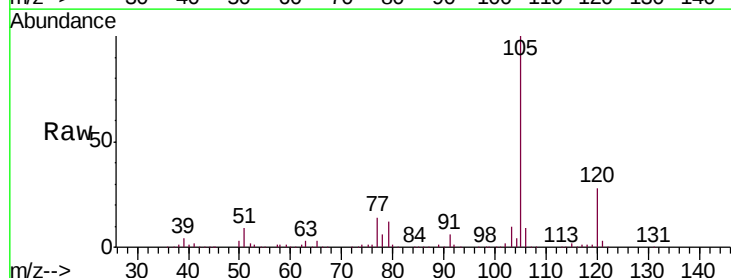
Tgt Ion:105 Resp: 338673

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

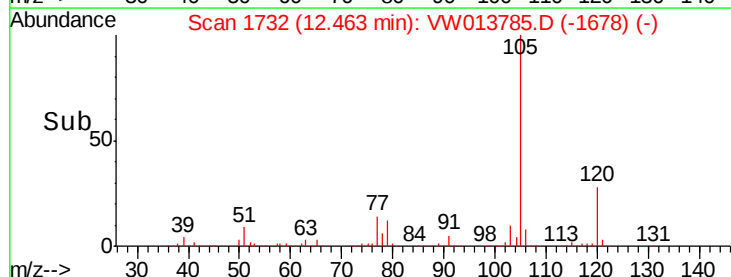
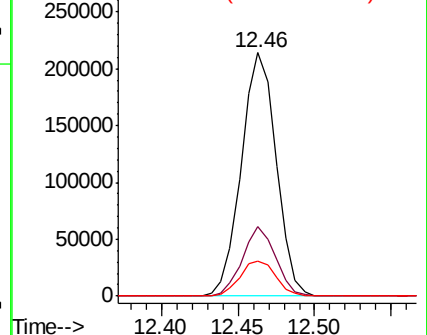
77 14.9 11.4 17.0

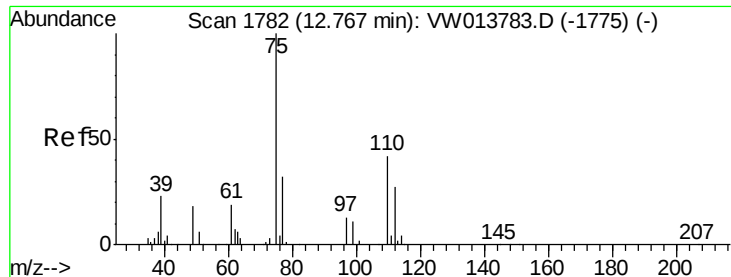


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

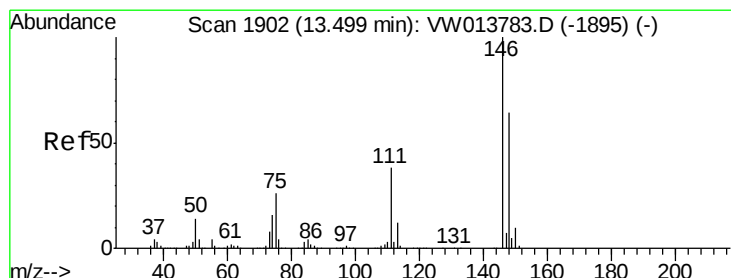
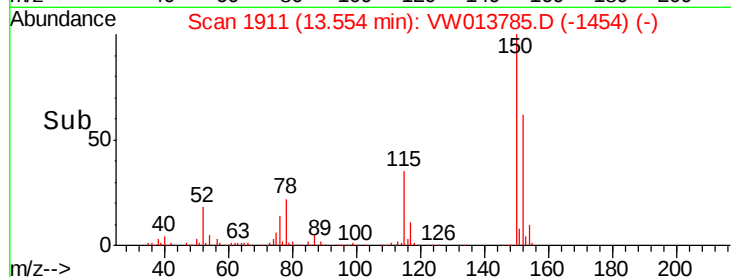
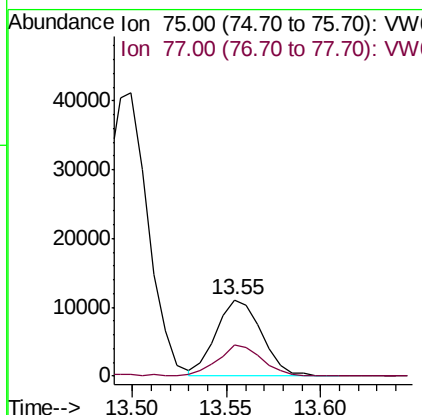
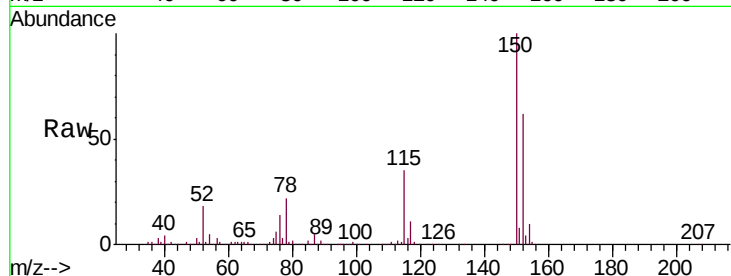




#59  
 1,2,3-Trichloropropane  
 Concen: 4.990 ug/L  
 RT: 13.55 min Scan# 1911  
 Delta R.T. 0.79 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

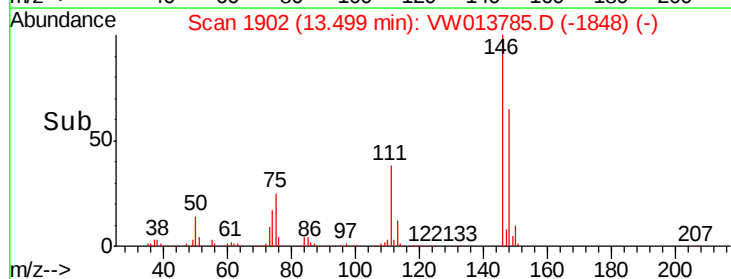
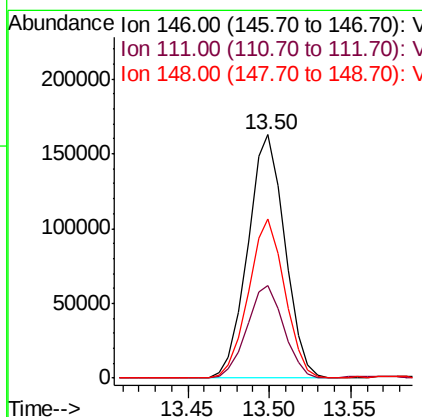
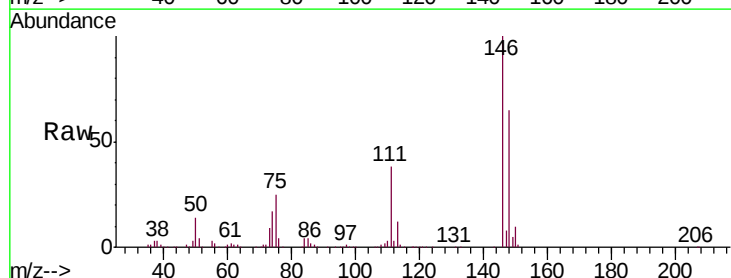
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ80

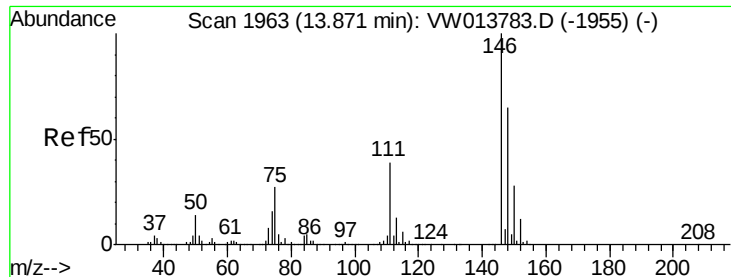
Tgt Ion: 75 Resp: 18595  
 Ion Ratio Lower Upper  
 75 100  
 77 39.5 26.4 39.6



#63  
 1,3-Dichlorobenzene  
 Concen: 20.258 ug/L  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

Tgt Ion: 146 Resp: 258063  
 Ion Ratio Lower Upper  
 146 100  
 111 38.2 26.1 48.5  
 148 65.4 45.8 85.2

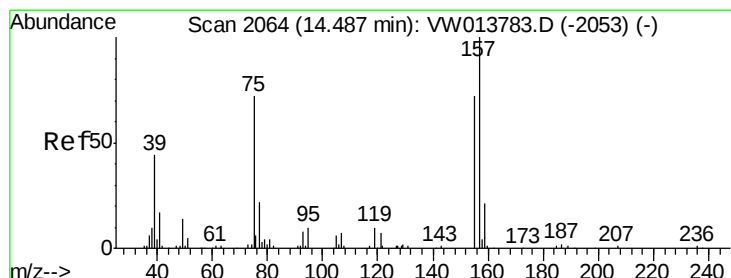
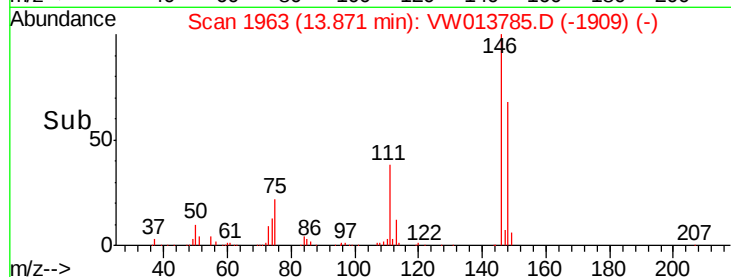
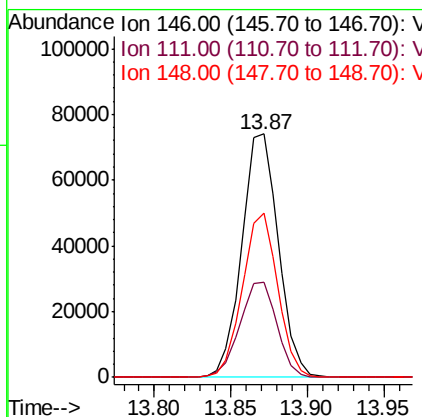
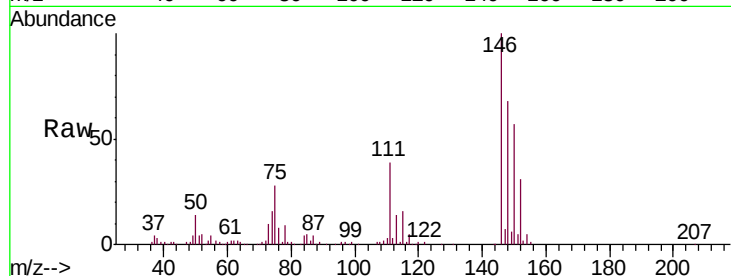




#65  
 1,2-Dichlorobenzene  
 Concen: 10.657 ug/L  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

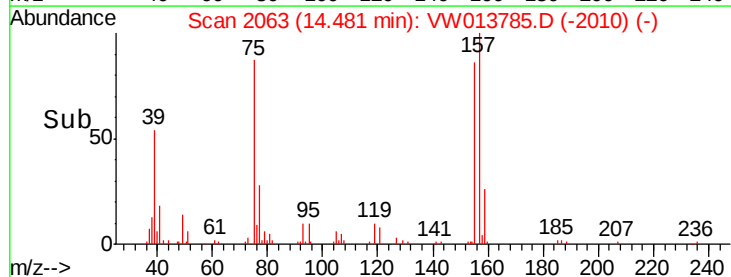
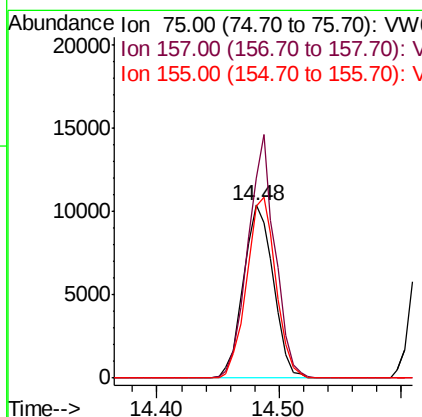
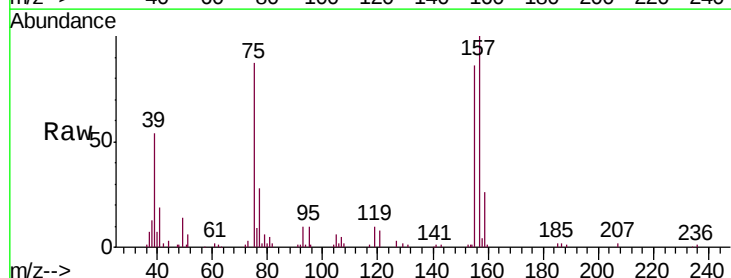
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ80

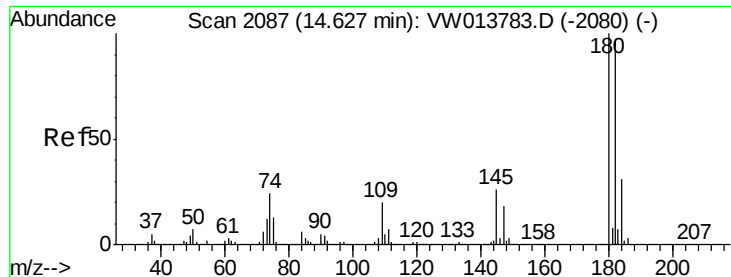
Tgt Ion: 146 Resp: 123009  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 30.7 46.1  
 148 67.6 53.3 79.9



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 22.220 ug/L  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.01 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

Tgt Ion: 75 Resp: 17628  
 Ion Ratio Lower Upper  
 75 100  
 157 115.5 99.4 149.0  
 155 99.8 69.7 104.5

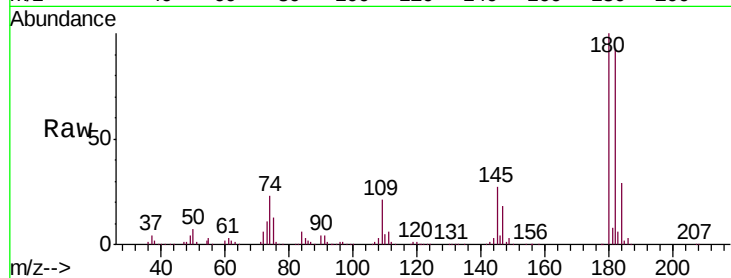




#67  
 1,3,5-Trichlorobenzene  
 Concen: 26.562 ug/L  
 RT: 14.63 min Scan# 2087  
 Delta R.T. 0.00 min  
 Lab File: VW013785.D  
 Acq: 29 Oct 2019 11:10

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ80

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 251557 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.7  | 76.2  | 114.4  |
| 184      | 30.1  | 24.1  | 36.1   |
| 145      | 26.7  | 21.8  | 32.8   |



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

