

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\  
 Data File : VW015969.D  
 Acq On : 27 Jul 2020 15:10  
 Operator : SY/VA  
 Sample : L3458-16  
 Misc : 5.52G/10ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 28 01:39:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 28 01:36:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 393111   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 339028   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 152353   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 82350    | 14.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.40%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 73796    | 16.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 65.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 198151   | 17.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.68%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 62980    | 43.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.44%  |
| 24) Chloroform-d               | 7.65   | 84    | 172344   | 15.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 62.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 92378    | 15.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 60.96%# |
| 29) Benzene-d6                 | 8.28   | 84    | 356184   | 17.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 69.04%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 105600   | 17.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 68.28%# |
| 37) Toluene-d8                 | 10.33  | 98    | 311790   | 16.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 66.72%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39808    | 15.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 60.40%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47057    | 45.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.36%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 90001    | 18.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 75.72%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 100525   | 16.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 67.68%# |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|------|------|----------|--------|--------|--------|
| 3) Chloromethane             | 2.21 | 50   | 96243    | 23.922 | ug/L   | 100    |
| 6) Bromomethane              | 2.78 | 94   | 33760    | 9.120  | ug/L   | 98     |
| 9) Trichlorofluoromethane    | 3.26 | 101  | 72333    | 17.342 | ug/L   | 99     |
| 12) 1,1-Dichloroethene       | 4.04 | 96   | 117793   | 23.310 | ug/L   | 91     |
| 13) Acetone                  | 4.13 | 43   | 100340   | 82.000 | ug/L   | 95     |
| 15) Methyl Acetate           | 4.68 | 43   | 99115    | 42.959 | ug/L   | 100    |
| 16) Methylene chloride       | 4.92 | 84   | 71325    | 11.073 | ug/L   | 92     |
| 17) Methyl tert-butyl Ether  | 5.44 | 73   | 208322   | 29.152 | ug/L   | 98     |
| 18) trans-1,2-Dichloroethene | 5.43 | 96   | 58079    | 10.884 | ug/L   | 95     |
| 22) cis-1,2-Dichloroethene   | 7.18 | 96   | 138016   | 24.720 | ug/L   | 94     |
| 23) Bromochloromethane       | 7.52 | 128  | 33321    | 13.610 | ug/L   | 97     |
| 27) 1,2-Dichloroethane       | 8.40 | 62   | 58580    | 8.833  | ug/L # | 94     |
| 30) Cyclohexane              | 7.96 | 56   | 96808    | 11.324 | ug/L   | 99     |
| 31) 1,1,1-Trichloroethane    | 7.87 | 97   | 83997    | 10.611 | ug/L   | 99     |
| 32) Carbon tetrachloride     | 8.07 | 117  | 96555    | 13.451 | ug/L   | 98     |
| 35) Trichloroethene          | 9.10 | 95   | 230836   | 42.378 | ug/L   | 98     |
| 36) Methylcyclohexane        | 9.34 | 83   | 278879   | 29.838 | ug/L   | 99     |

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 Sample : L3458-16  
 Misc : 5.52G/10ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 28 01:39:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 28 01:36:11 2020  
 Response via : Initial Calibration

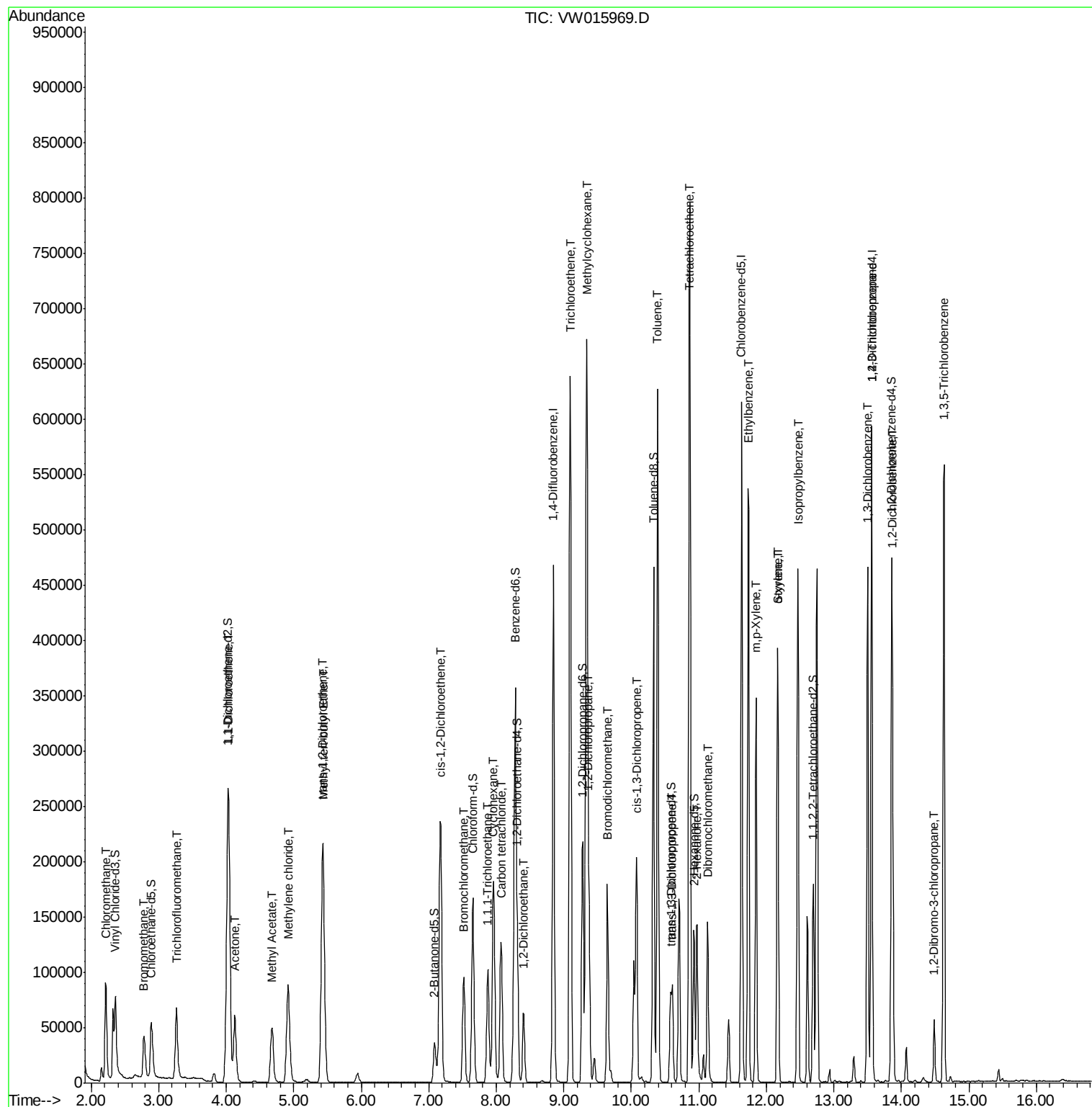
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 40) 1,2-Dichloropropane        | 9.37  | 63   | 66007    | 12.940 | uq/L   | 100      |
| 41) Bromodichloromethane       | 9.65  | 83   | 123941   | 18.814 | uq/L   | 99       |
| 42) cis-1,3-Dichloropropene    | 10.08 | 75   | 121192   | 15.599 | uq/L   | 99       |
| 44) Toluene                    | 10.39 | 91   | 462450   | 21.413 | uq/L   | 99       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 48132    | 7.148  | uq/L   | 99       |
| 47) Tetrachloroethene          | 10.87 | 164  | 183475   | 43.395 | uq/L   | 95       |
| 49) 2-Hexanone                 | 10.97 | 43   | 91895    | 43.492 | uq/L   | 97       |
| 50) Dibromochloromethane       | 11.13 | 129  | 77378    | 18.220 | uq/L   | 96       |
| 53) Ethylbenzene               | 11.73 | 91   | 380211   | 15.656 | uq/L   | 97       |
| 54) m,p-Xylene                 | 11.85 | 106  | 93001    | 10.236 | uq/L   | 98       |
| 55) o-xylene                   | 12.17 | 106  | 104573   | 12.223 | uq/L   | 90       |
| 56) Styrene                    | 12.17 | 104  | 5832     | 0.401  | uq/L # | 1        |
| 57) Isopropylbenzene           | 12.47 | 105  | 302653   | 12.995 | uq/L   | 99       |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75   | 19588    | 6.069  | uq/L   | 93       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 193981   | 19.894 | uq/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 85455    | 9.648  | uq/L   | 94       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 14993    | 22.490 | uq/L   | 93       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 179640   | 26.201 | uq/L   | 98       |
| -----                          |       |      |          |        |        |          |

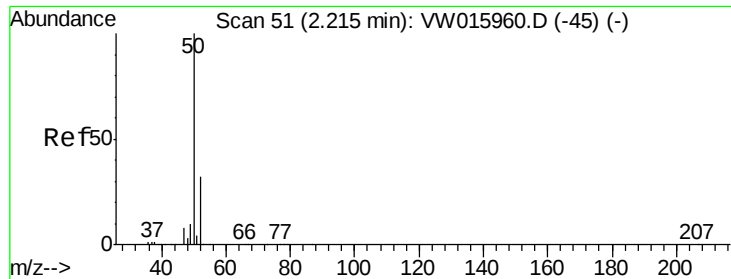
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Quant Time: Jul 28 01:39:06 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 28 01:36:11 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 23.922 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

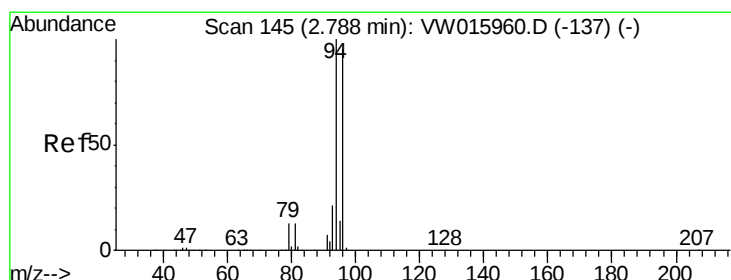
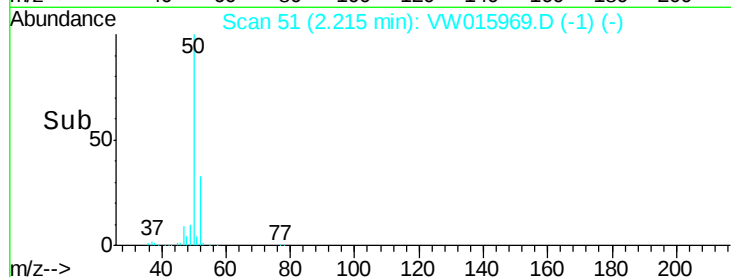
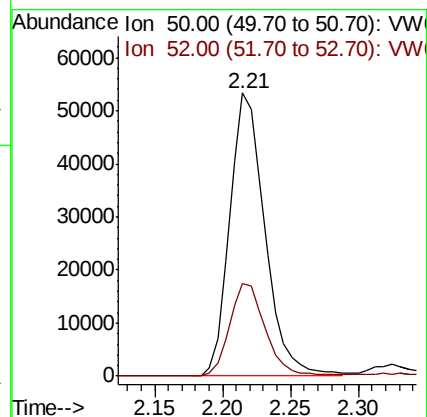
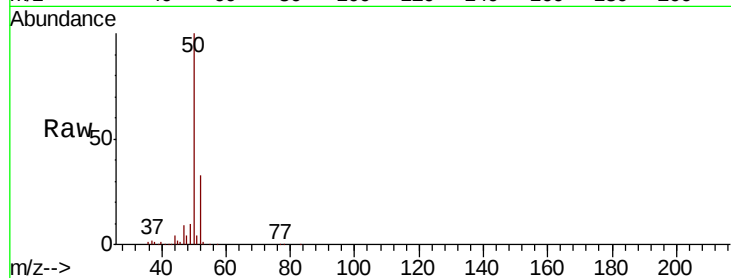
ClientSampled :

Tot Ion: 50 Resp: 96243

Ion Ratio Lower Upper

50 100

52 32.7 22.8 42.4



#6

Bromomethane

Concen: 9.120 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015969.D

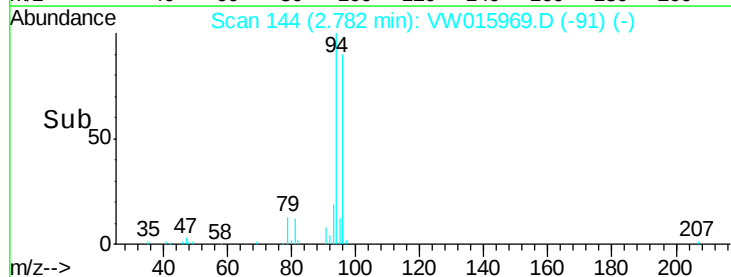
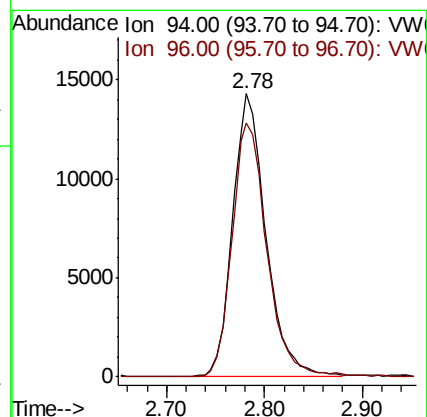
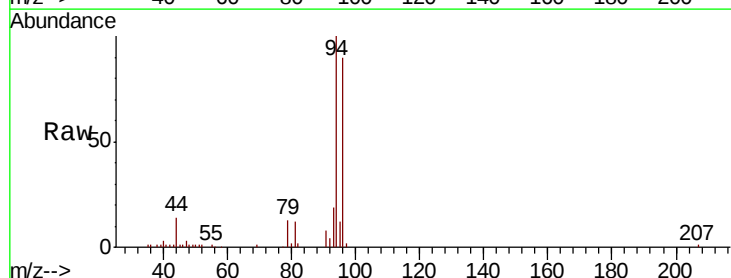
Acq: 27 Jul 2020 15:10

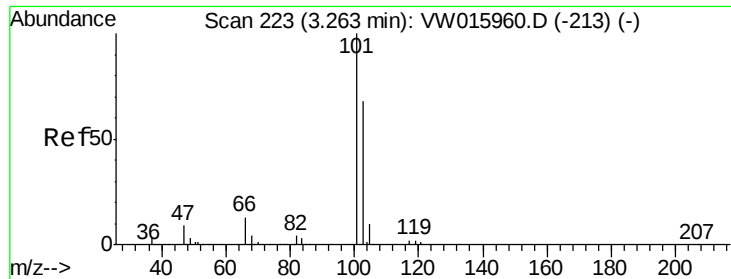
Tgt Ion: 94 Resp: 33760

Ion Ratio Lower Upper

94 100

96 92.8 9.5 180.1



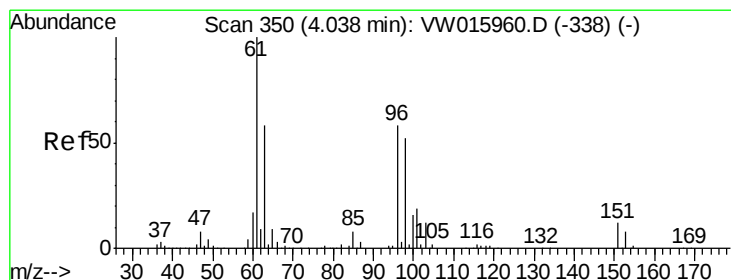
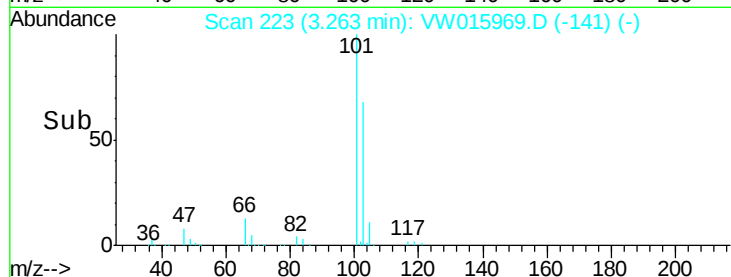
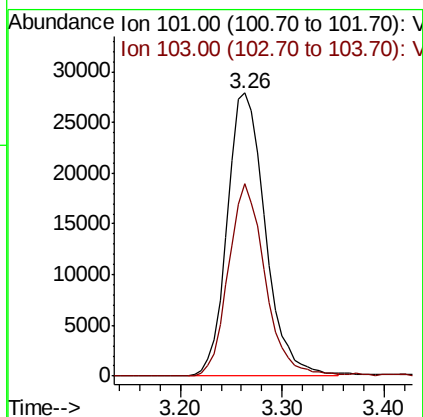
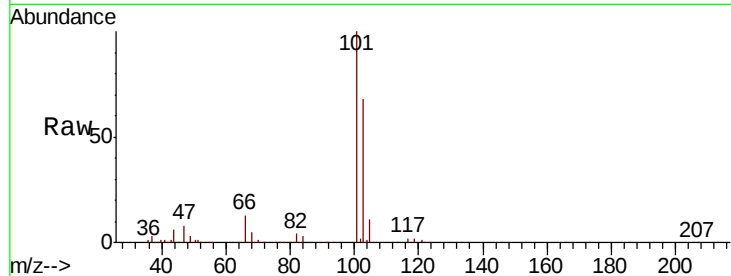


#9

Trichlorofluoromethane  
 Concen: 17.342 ug/L  
 RT: 3.26 min Scan# 223  
 Delta R.T. -0.00 min  
 Lab File: VW015969.D  
 Acq: 27 Jul 2020 15:10

Instrument :  
 MSVOA\_W  
 ClientSampleId :

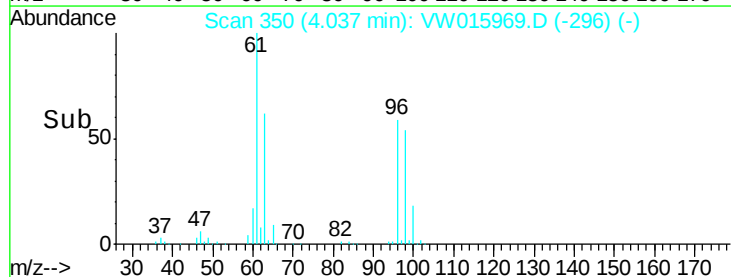
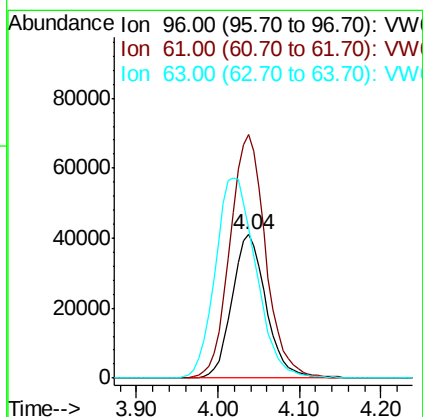
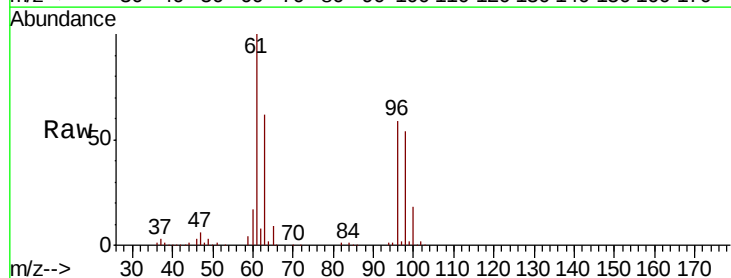
Tot Ion:101 Resp: 72333  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 45.8 85.2

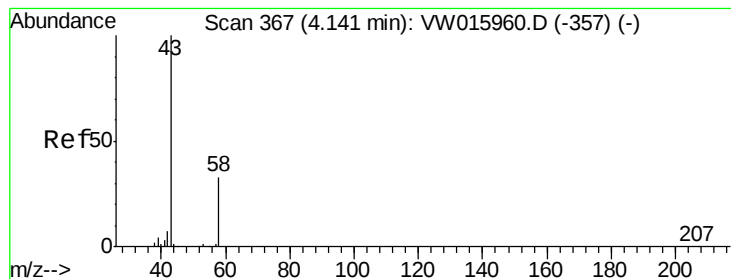


#12

1,1-Dichloroethene  
 Concen: 23.310 ug/L  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.00 min  
 Lab File: VW015969.D  
 Acq: 27 Jul 2020 15:10

Tgt Ion: 96 Resp: 117793  
 Ion Ratio Lower Upper  
 96 100  
 61 169.4 125.0 232.2  
 63 104.6 82.3 152.8





#13

Acetone

Concen: 82.000 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

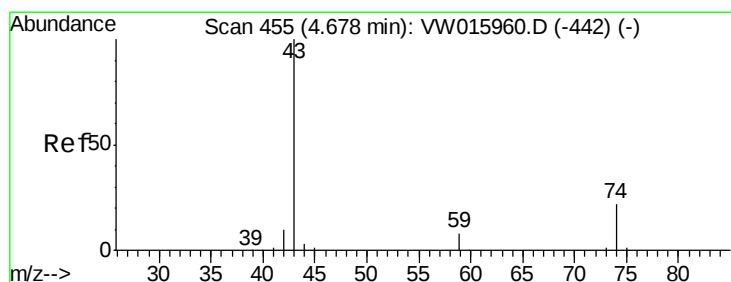
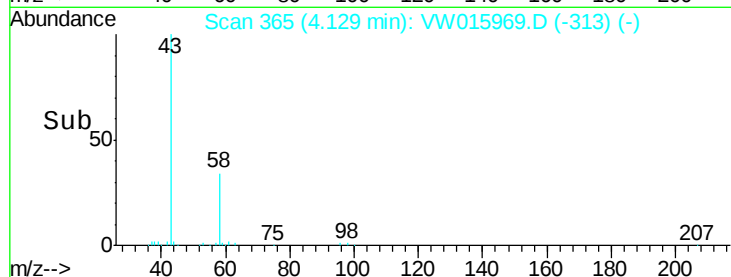
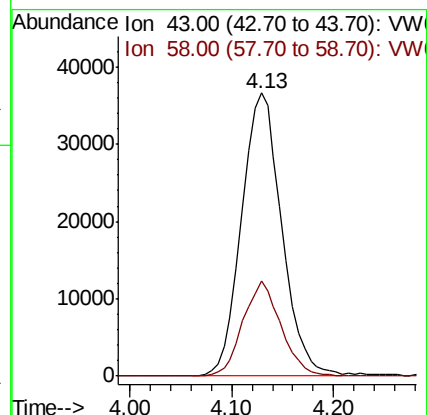
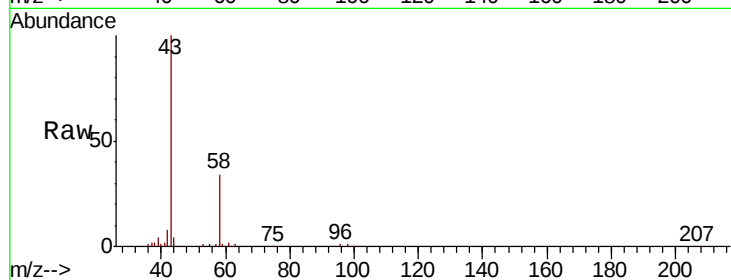
ClientSampled :

Tot Ion: 43 Resp: 100340

Ion Ratio Lower Upper

43 100

58 31.6 0.0 58.2



#15

Methyl Acetate

Concen: 42.959 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015969.D

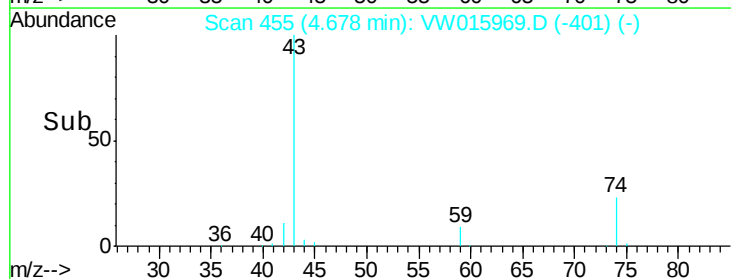
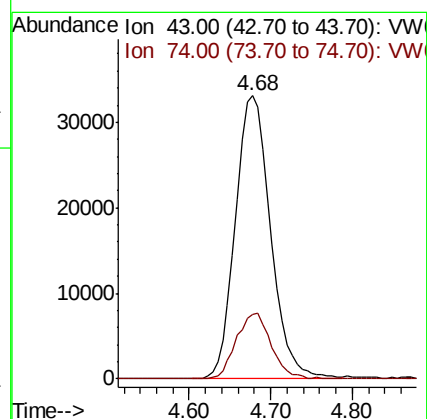
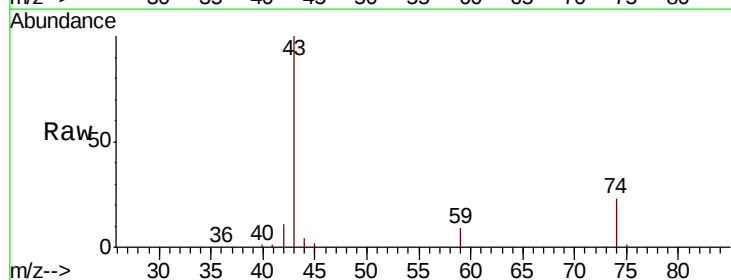
Acq: 27 Jul 2020 15:10

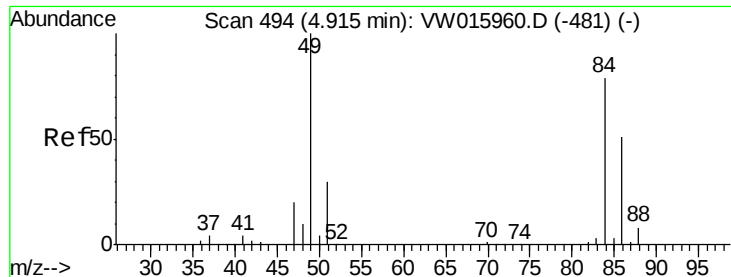
Tgt Ion: 43 Resp: 99115

Ion Ratio Lower Upper

43 100

74 22.9 18.2 27.2

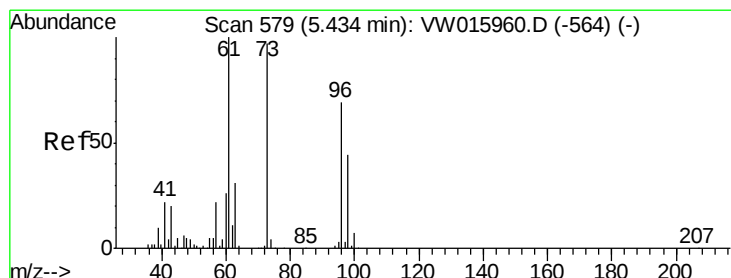
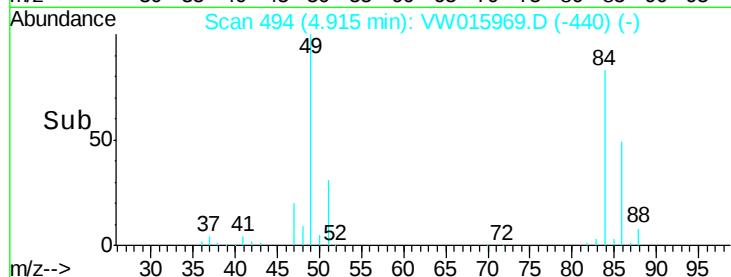
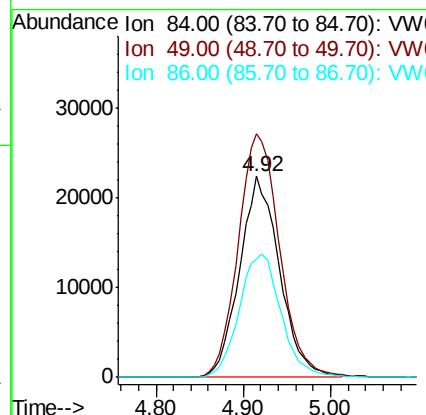
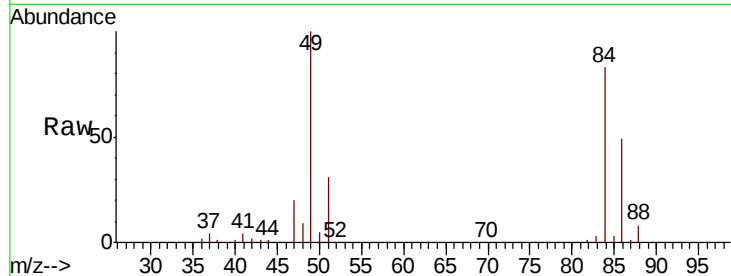




#16  
Methylene chloride  
Concen: 11.073 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

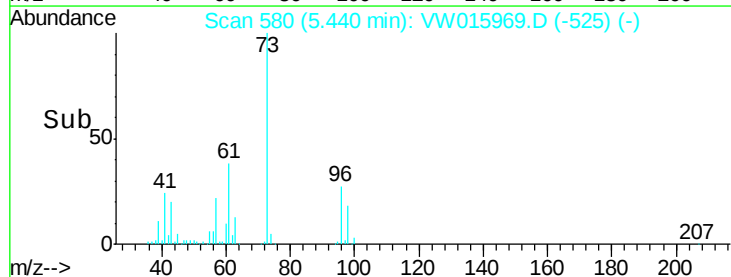
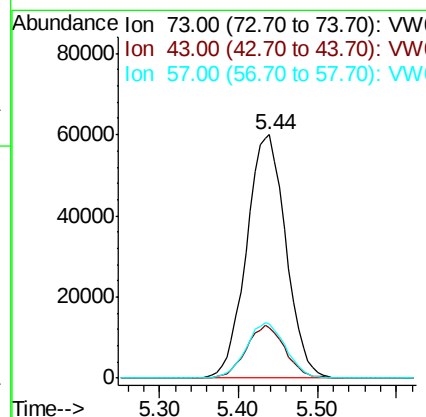
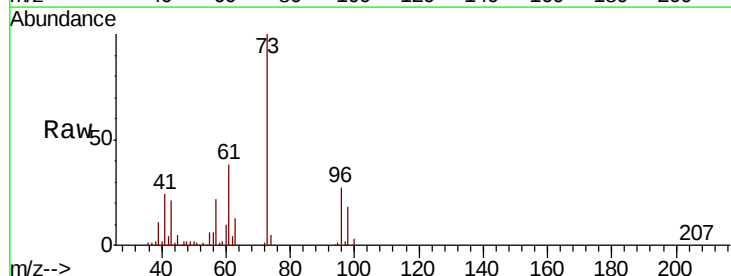
Instrument :  
MSVOA\_W  
ClientSampleId :

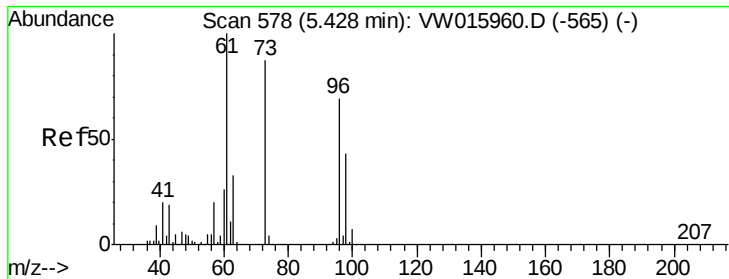
Tot Ion: 84 Resp: 71325  
Ion Ratio Lower Upper  
84 100  
49 121.0 91.1 169.1  
86 58.9 46.0 85.4



#17  
Methyl tert-butyl Ether  
Concen: 29.152 ug/L  
RT: 5.44 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Tgt Ion: 73 Resp: 208322  
Ion Ratio Lower Upper  
73 100  
43 21.3 18.4 27.6  
57 22.7 17.8 26.8





#18

trans-1,2-Dichloroethene

Concen: 10.884 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

ClientSampled :

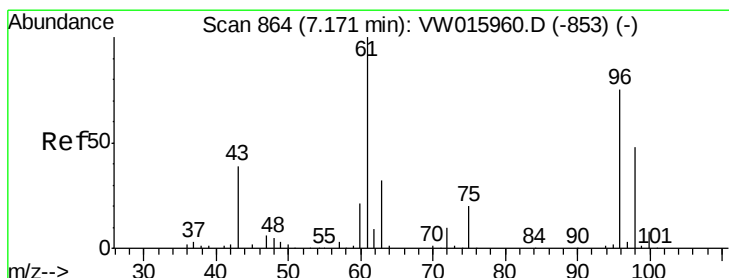
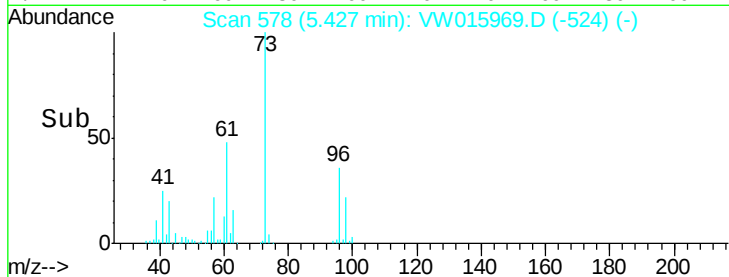
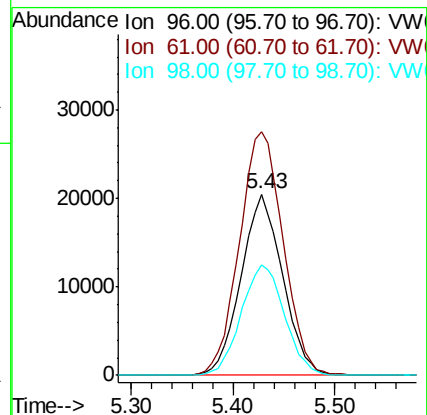
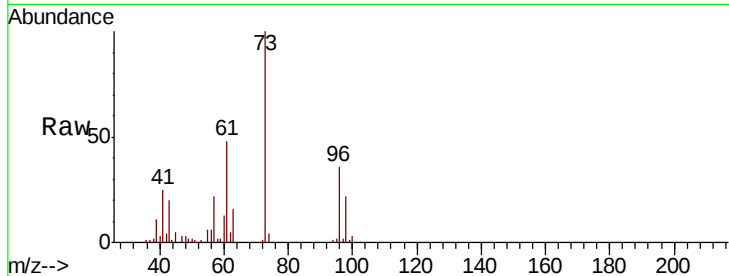
Tot Ion: 96 Resp: 58079

Ion Ratio Lower Upper

96 100

61 134.3 99.3 184.5

98 60.9 42.9 79.7



#22

cis-1,2-Dichloroethene

Concen: 24.720 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

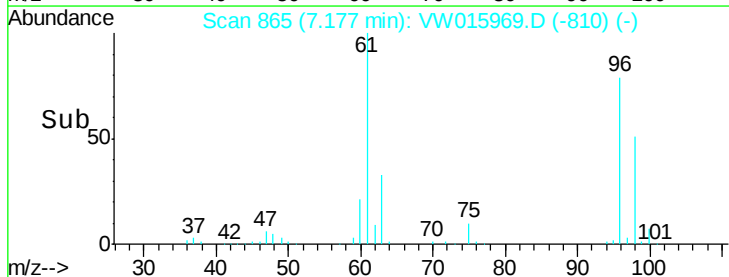
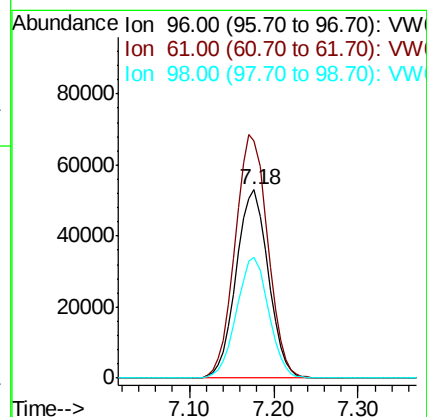
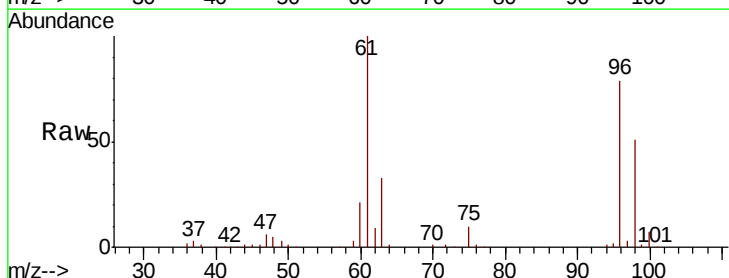
Tgt Ion: 96 Resp: 138016

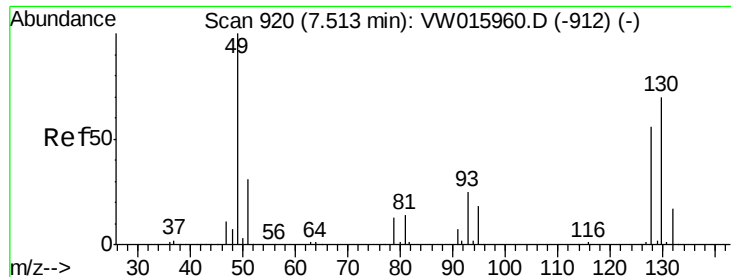
Ion Ratio Lower Upper

96 100

61 126.0 94.6 175.8

98 64.0 44.3 82.3





#23

Bromochloromethane

Concen: 13.610 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:128 Resp: 33321

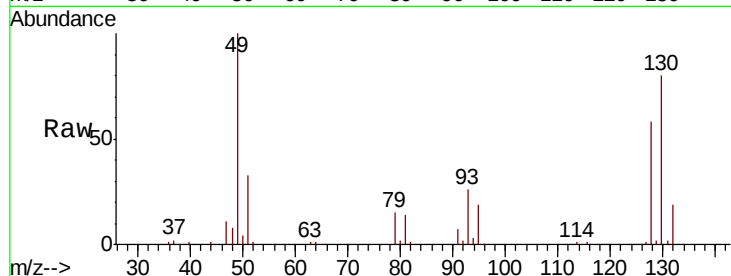
Ion Ratio Lower Upper

128 100

49 171.1 122.4 227.2

130 136.7 93.9 174.5

51 56.4 43.2 64.8

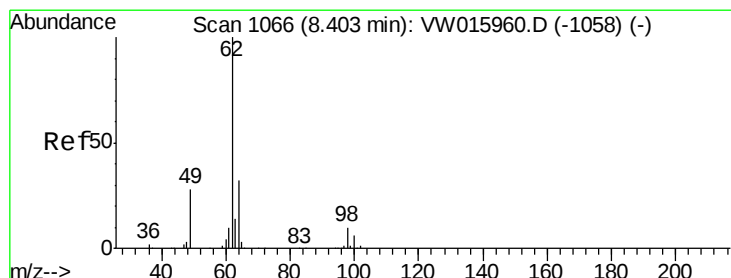
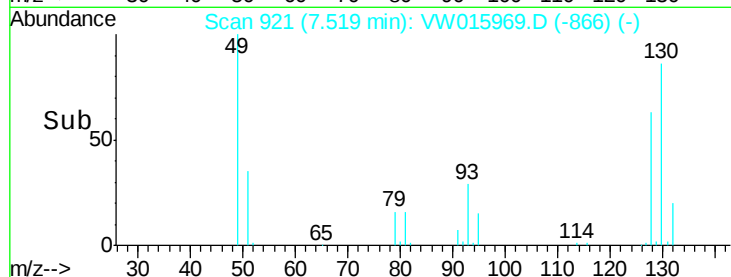
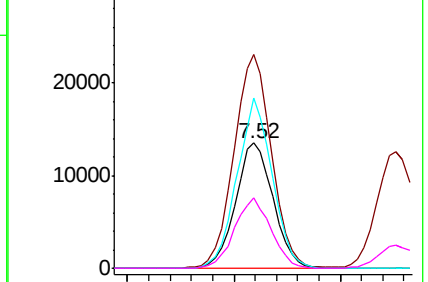


Abundance Ion 128.00 (127.70 to 128.70): V

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: 8.833 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015969.D

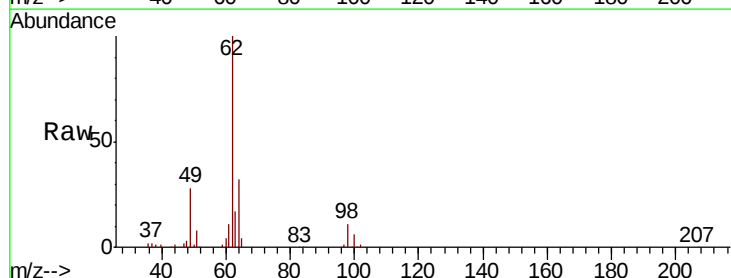
Acq: 27 Jul 2020 15:10

Tgt Ion: 62 Resp: 58580

Ion Ratio Lower Upper

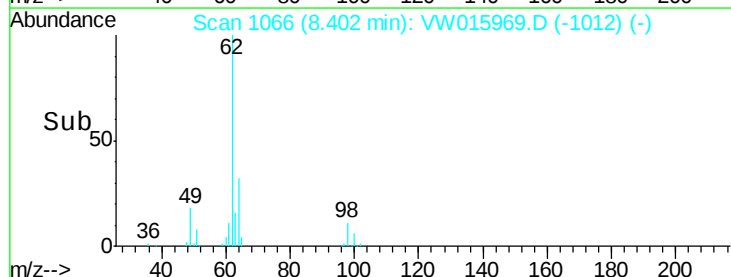
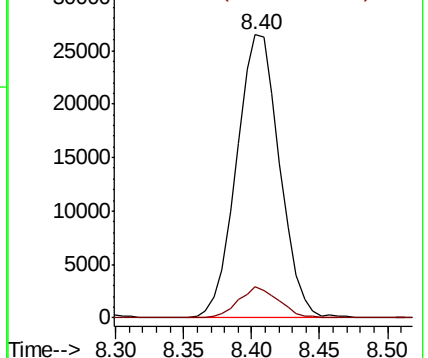
62 100

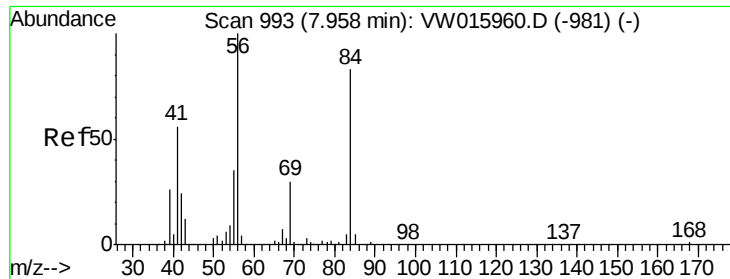
98 10.8 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

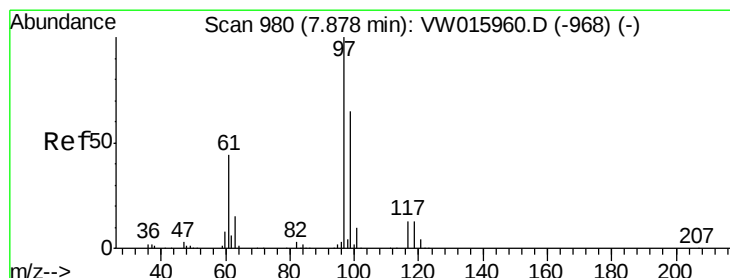
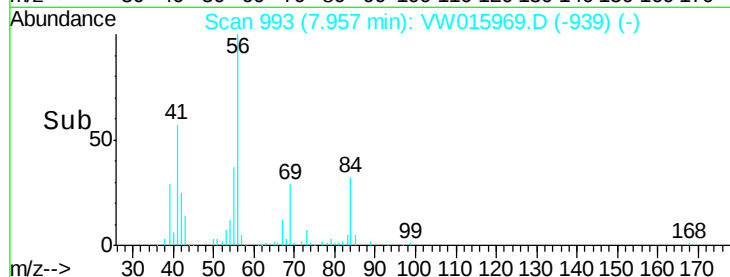
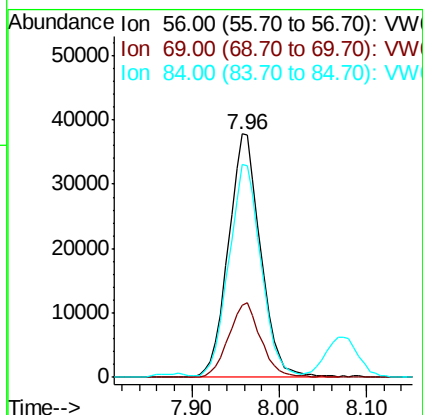
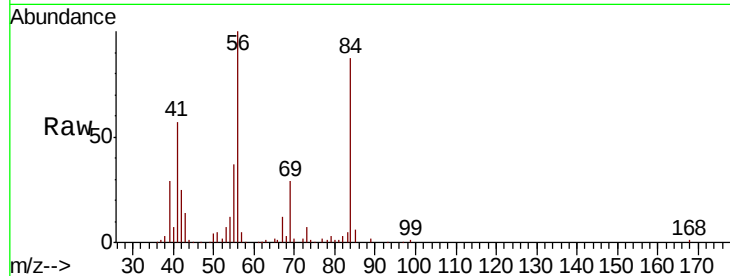




#30  
Cyclohexane  
Concen: 11.324 ug/L  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

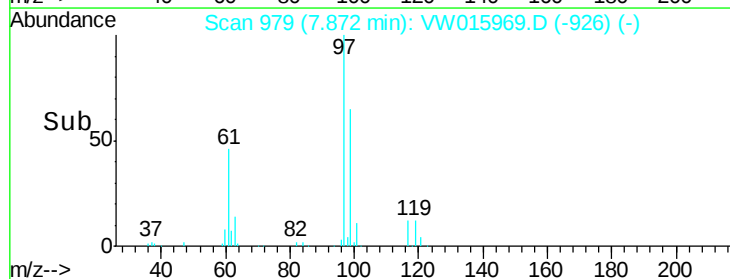
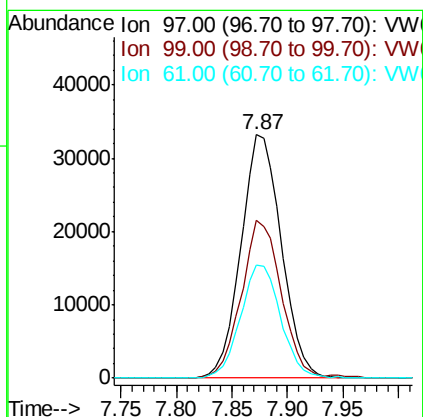
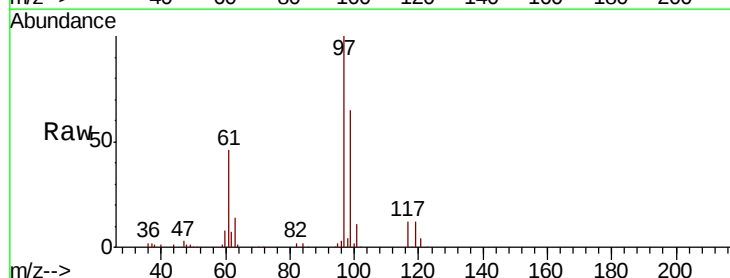
Instrument :  
MSVOA\_W  
ClientSampleId :

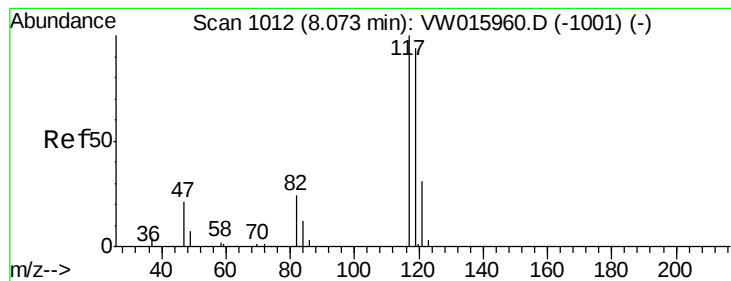
Tot Ion: 56 Resp: 96808  
Ion Ratio Lower Upper  
56 100  
69 30.6 24.4 36.6  
84 87.6 69.3 103.9



#31  
1,1,1-Trichloroethane  
Concen: 10.611 ug/L  
RT: 7.87 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Tgt Ion: 97 Resp: 83997  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.9 77.9  
61 46.0 37.6 56.4





#32

Carbon tetrachloride

Concen: 13.451 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

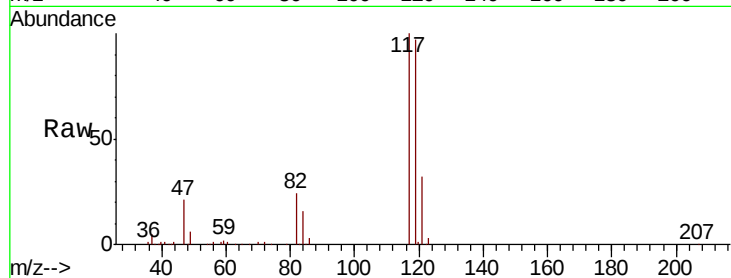
ClientSampleId :

Tot Ion:117 Resp: 96555

Ion Ratio Lower Upper

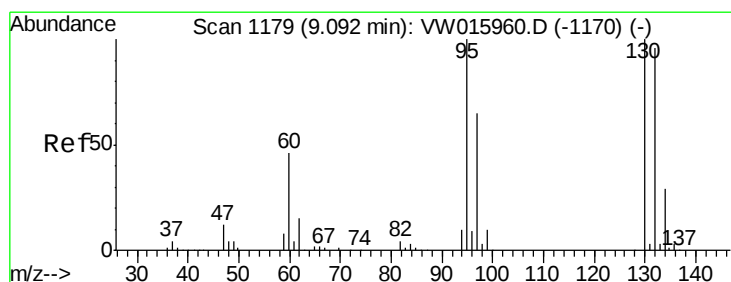
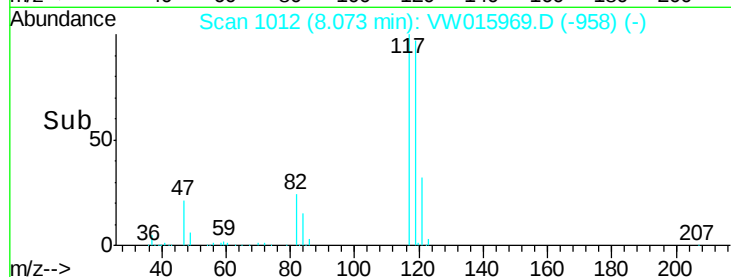
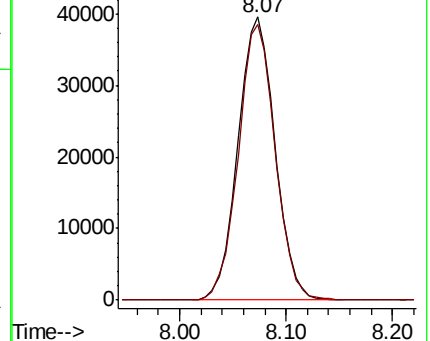
117 100

119 97.1 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#35

Trichloroethene

Concen: 42.378 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Tgt Ion: 95 Resp: 230836

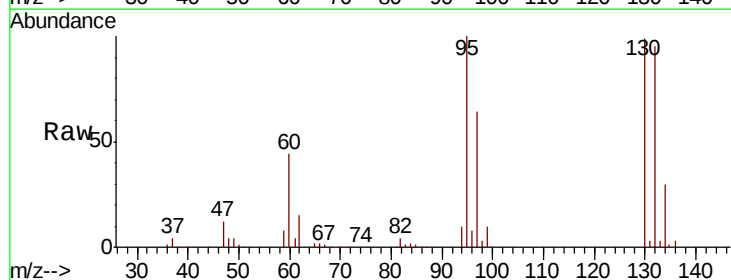
Ion Ratio Lower Upper

95 100

97 64.5 44.4 82.4

132 94.7 65.1 120.9

130 100.5 68.6 127.4

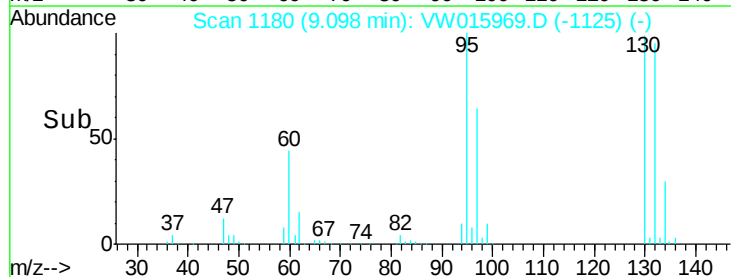
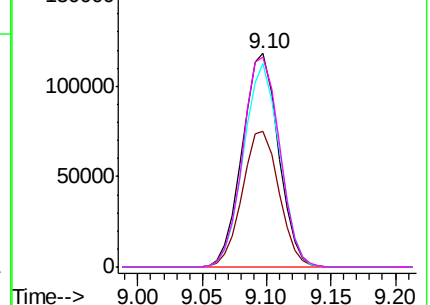


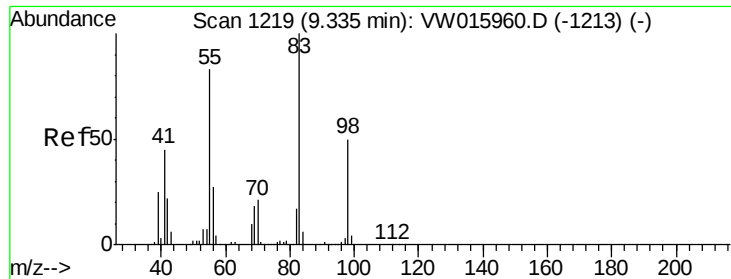
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

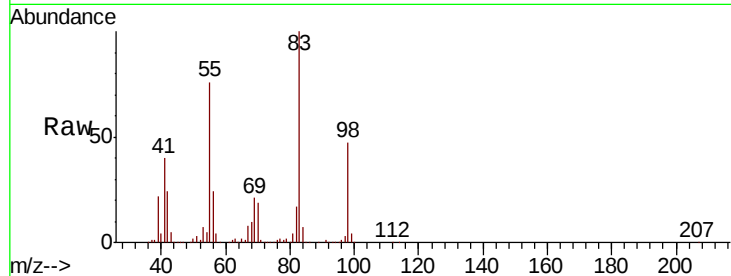




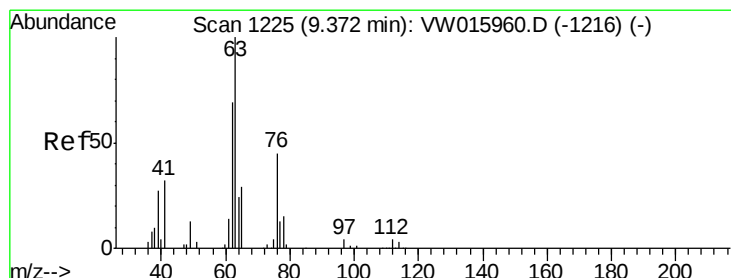
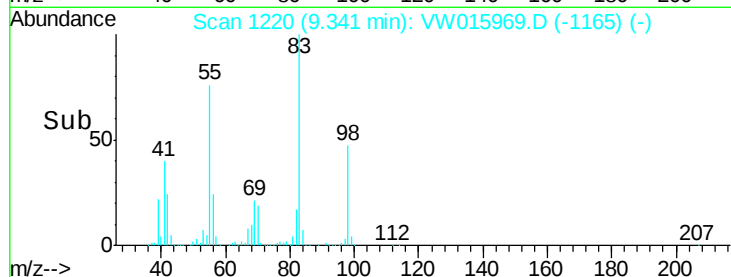
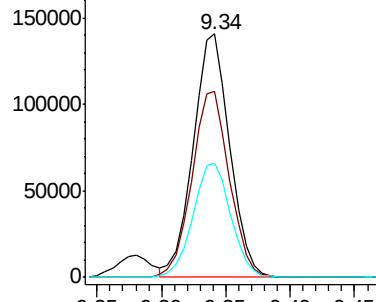
#36  
Methvlcvclohexane  
Concen: 29.838 ug/L  
RT: 9.34 min Scan# 1220  
Delta R.T. 0.01 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 83 Resp: 278879  
Ion Ratio Lower Upper  
83 100  
55 78.4 63.5 95.3  
98 48.3 39.0 58.4

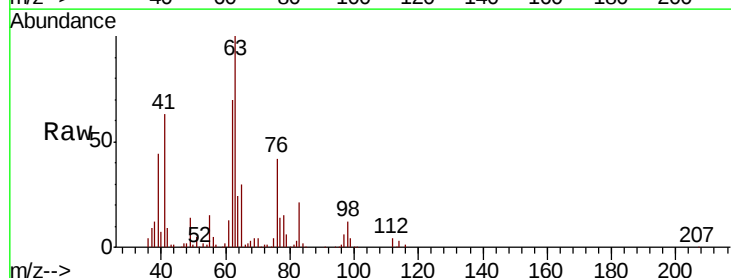


Abundance Ion 83.00 (82.70 to 83.70): VW  
Ion 55.00 (54.70 to 55.70): VW  
Ion 98.00 (97.70 to 98.70): VW

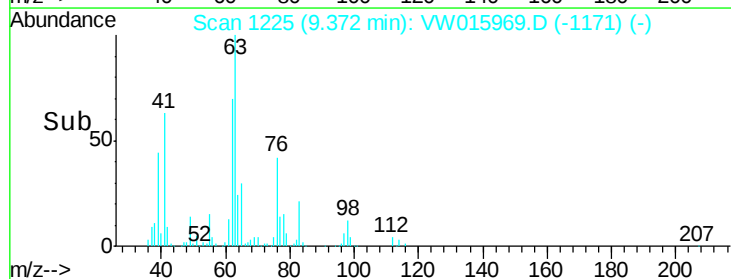
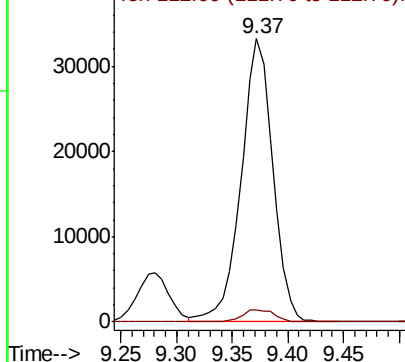


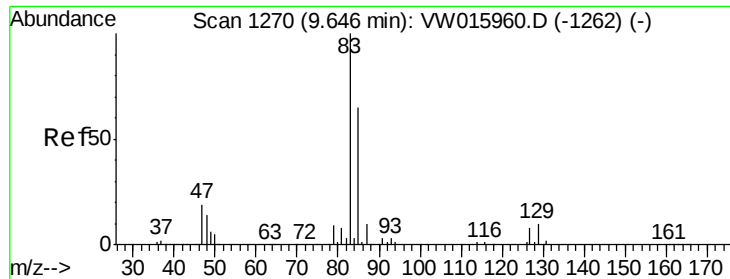
#40  
1,2-Dichloropropane  
Concen: 12.940 ug/L  
RT: 9.37 min Scan# 1225  
Delta R.T. -0.00 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Tgt Ion: 63 Resp: 66007  
Ion Ratio Lower Upper  
63 100  
112 4.7 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW  
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 18.814 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

ClientSampleId :

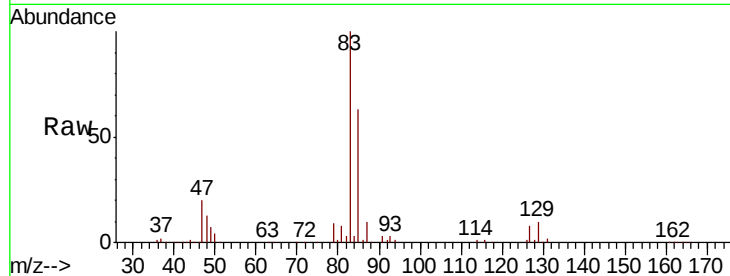
Tot Ion: 83 Resp: 123941

Ion Ratio Lower Upper

83 100

85 63.4 43.7 81.1

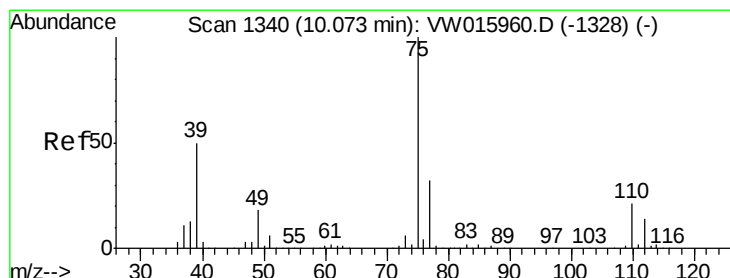
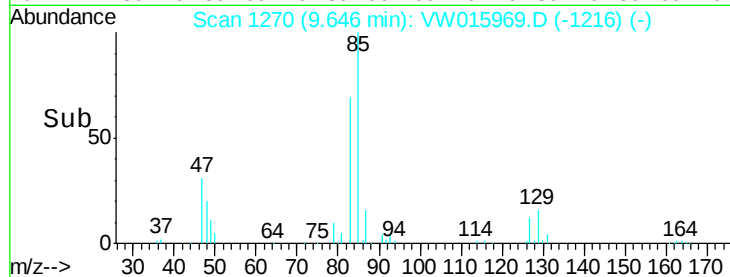
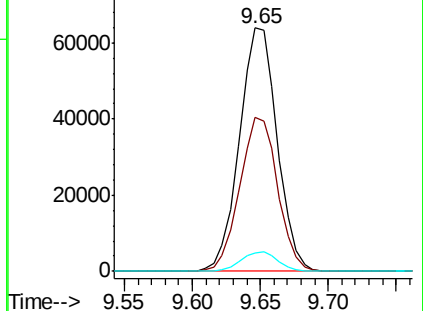
127 7.8 6.5 9.7



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): VW



#42

cis-1,3-Dichloropropene

Concen: 15.599 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW015969.D

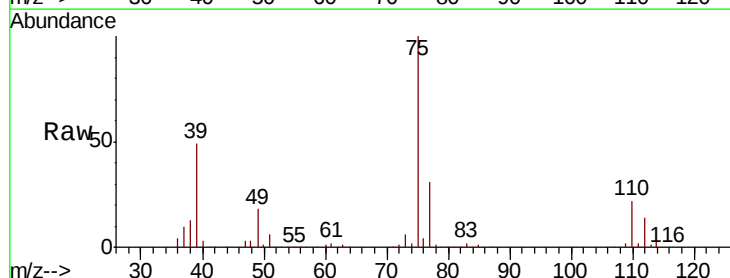
Acq: 27 Jul 2020 15:10

Tgt Ion: 75 Resp: 121192

Ion Ratio Lower Upper

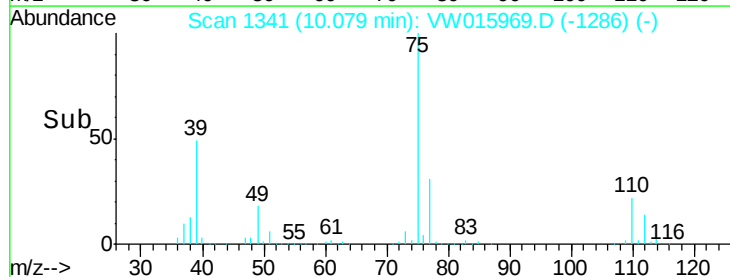
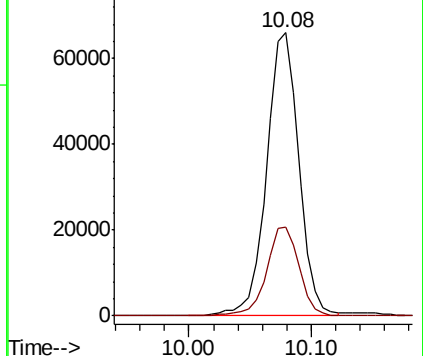
75 100

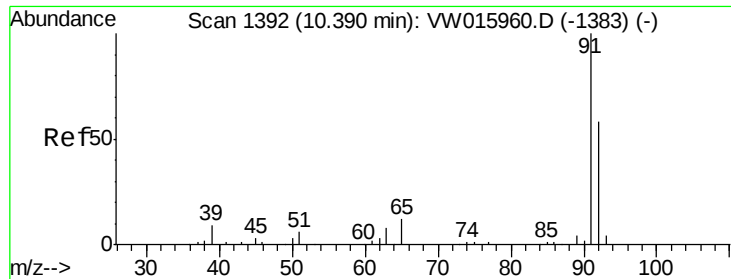
77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 21.413 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

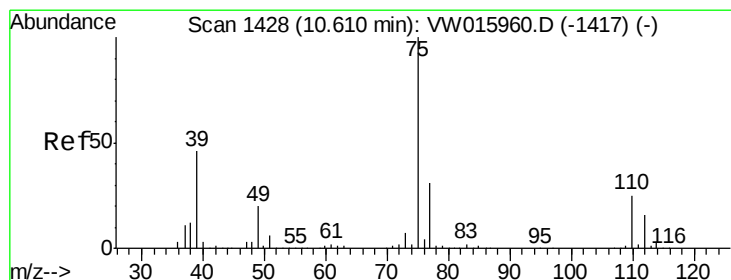
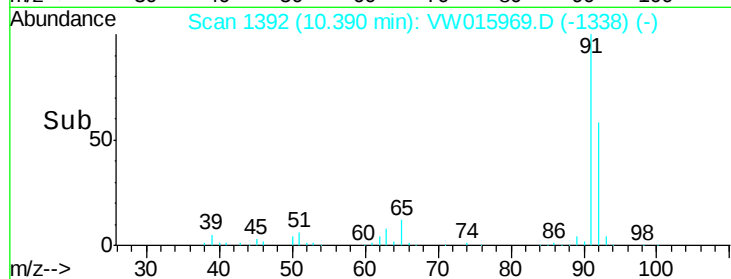
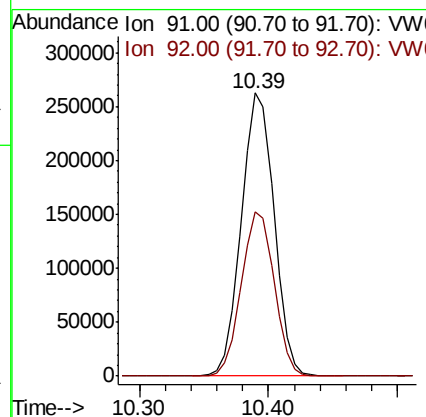
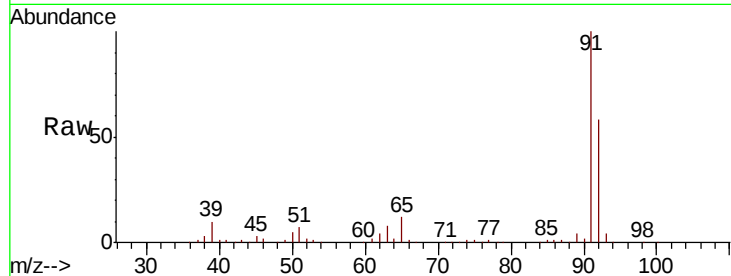
ClientSampleId :

Tot Ion: 91 Resp: 462450

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 7.148 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015969.D

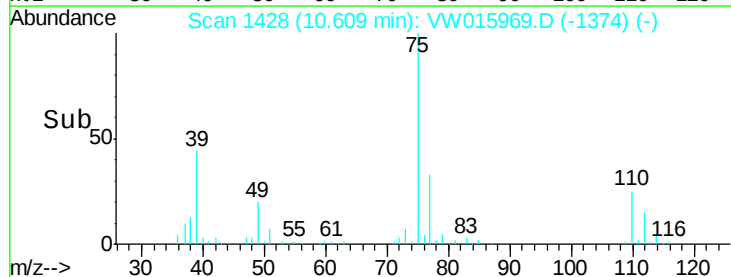
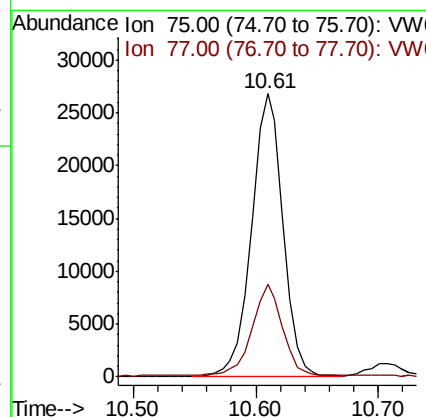
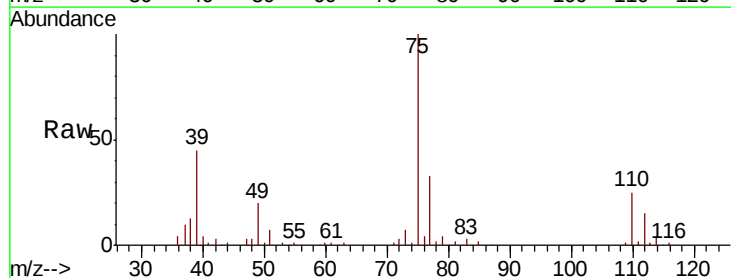
Acq: 27 Jul 2020 15:10

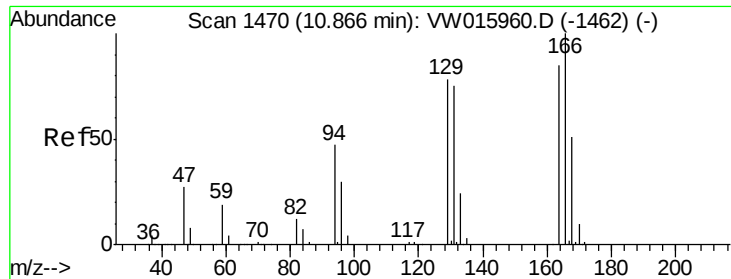
Tgt Ion: 75 Resp: 48132

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.9

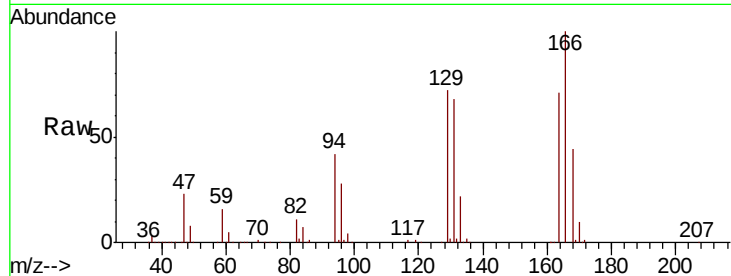




#47  
Tetrachloroethene  
Concen: 43.395 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Instrument :  
MSVOA\_W  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 101.0 | 70.0  | 130.0 |
| 131     | 95.6  | 67.3  | 124.9 |
| 166     | 140.2 | 88.5  | 164.3 |



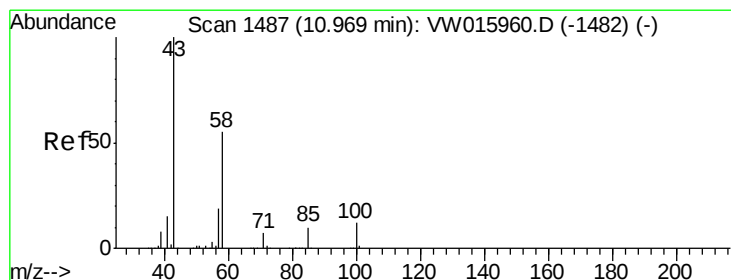
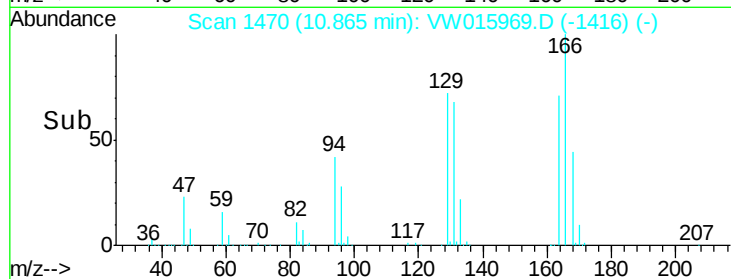
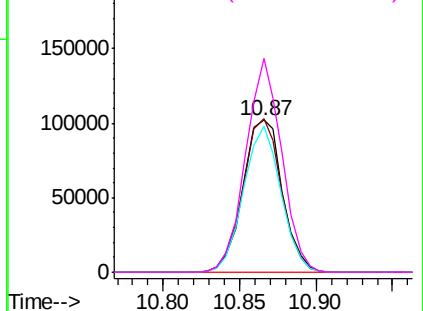
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49  
2-Hexanone  
Concen: 43.492 ug/L  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.0  | 42.4  | 63.6  |
| 57      | 19.6  | 15.6  | 23.4  |
| 100     | 12.9  | 9.8   | 14.6  |

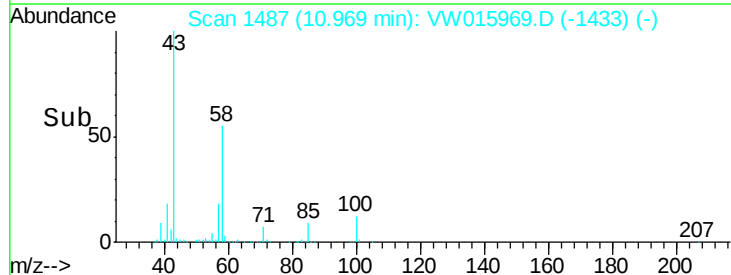
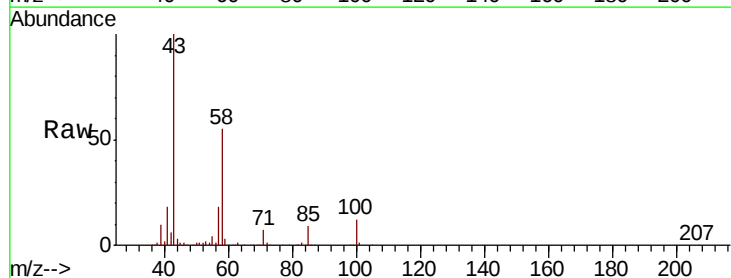
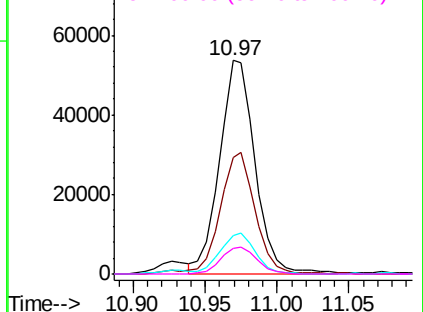
Abundance

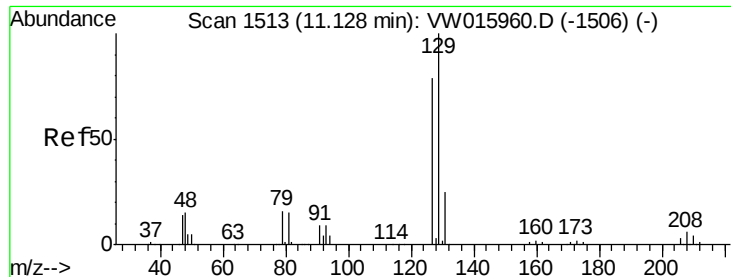
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

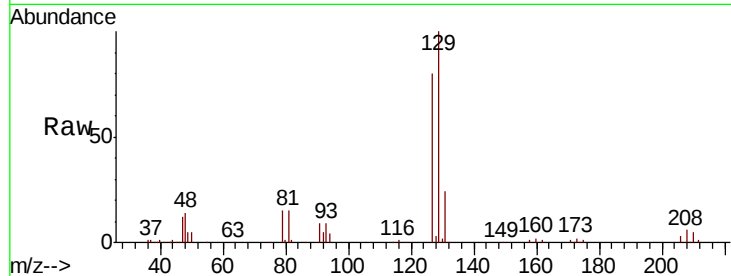




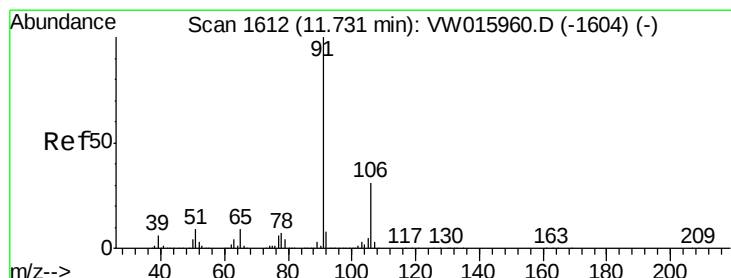
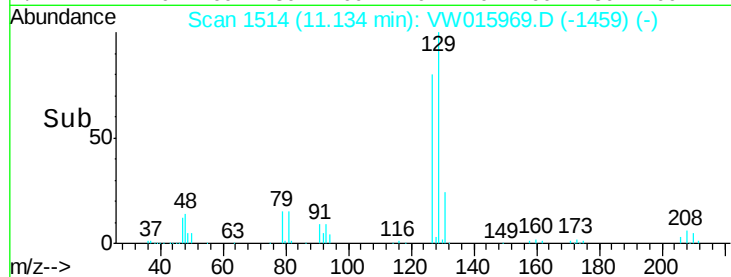
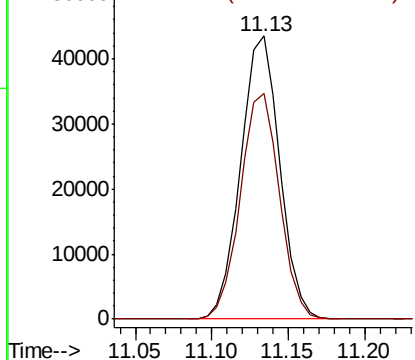
#50  
Dibromochloromethane  
Concen: 18.220 ug/L  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.01 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:129 Resp: 77378  
Ion Ratio Lower Upper  
129 100  
127 80.0 53.8 100.0

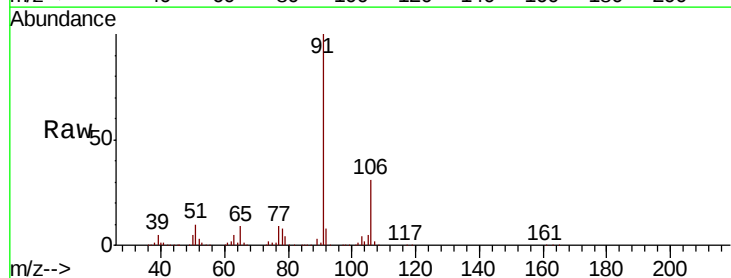


Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

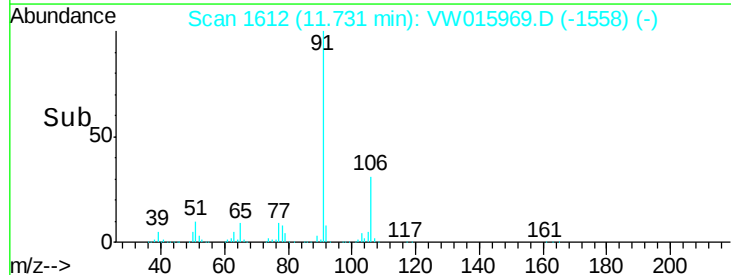
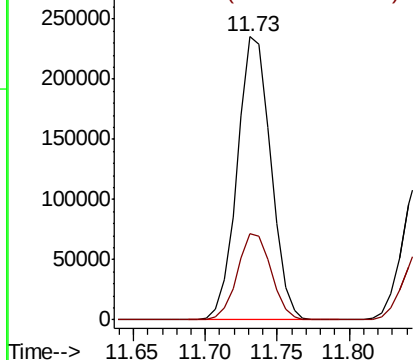


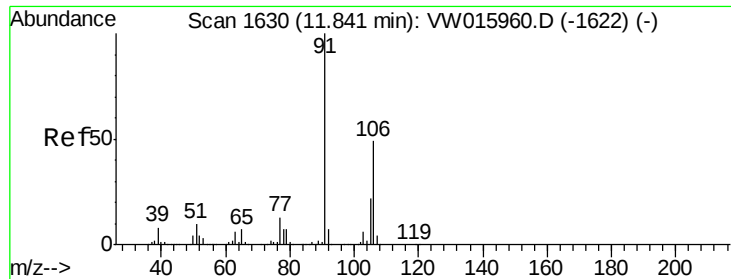
#53  
Ethylbenzene  
Concen: 15.656 ug/L  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Tgt Ion: 91 Resp: 380211  
Ion Ratio Lower Upper  
91 100  
106 30.5 22.4 41.6



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





#54

m,p-Xylene

Concen: 10.236 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

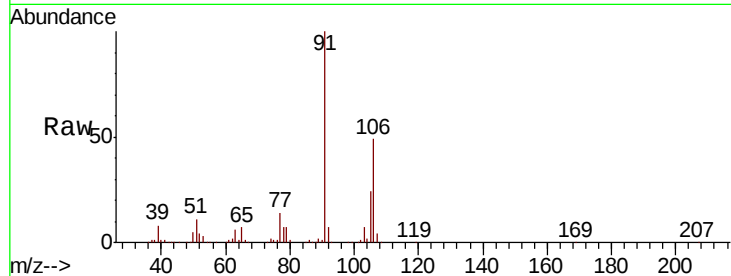
ClientSampleId :

Tot Ion:106 Resp: 93001

Ion Ratio Lower Upper

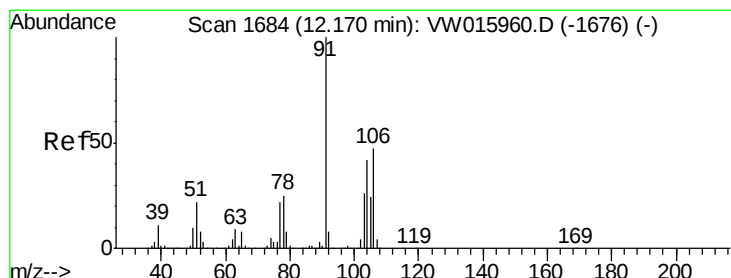
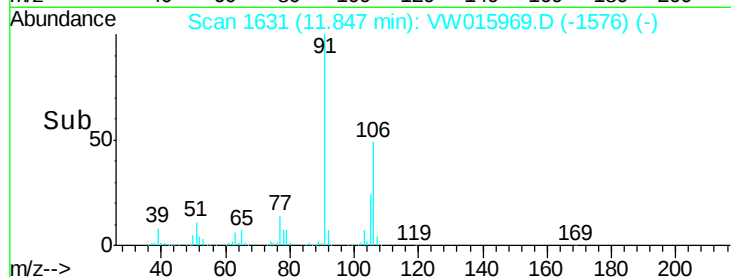
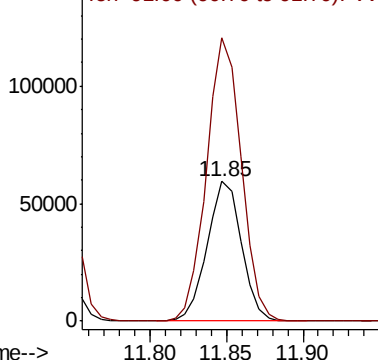
106 100

91 202.2 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 12.223 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015969.D

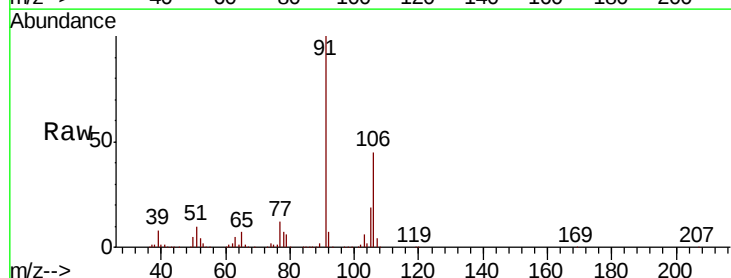
Acq: 27 Jul 2020 15:10

Tgt Ion:106 Resp: 104573

Ion Ratio Lower Upper

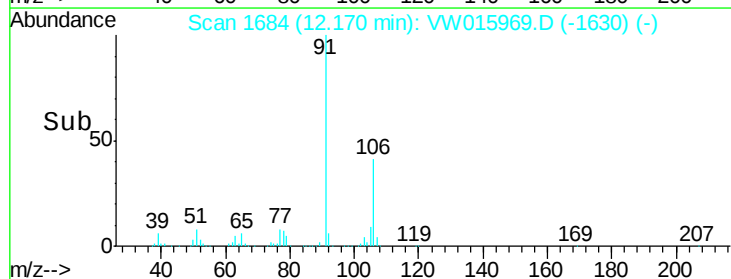
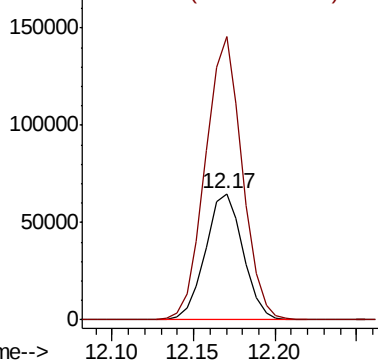
106 100

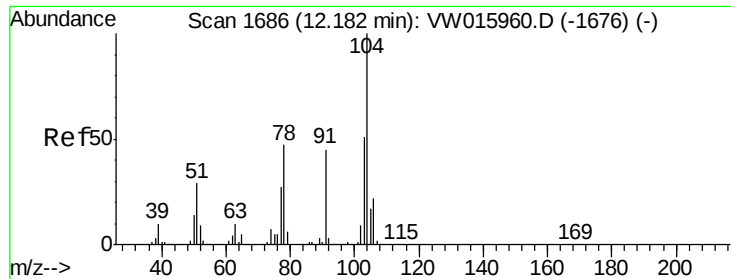
91 224.6 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

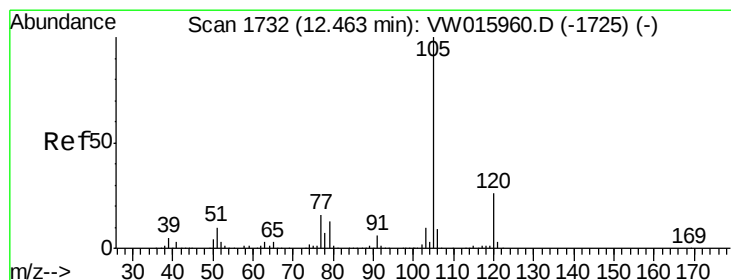
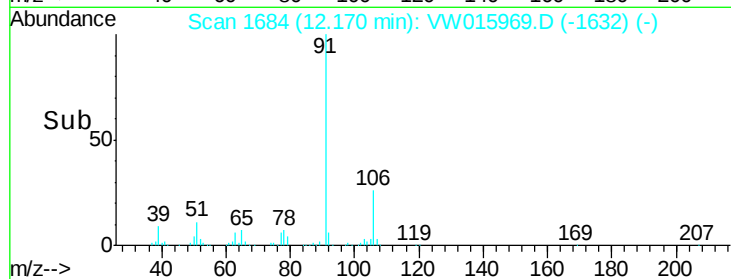
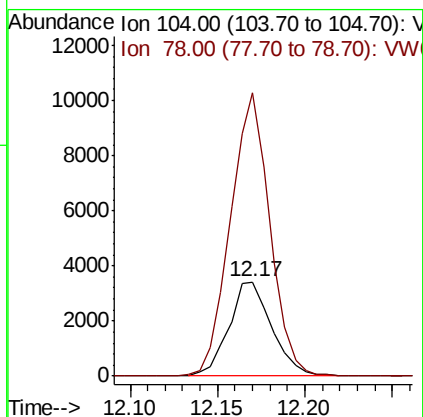
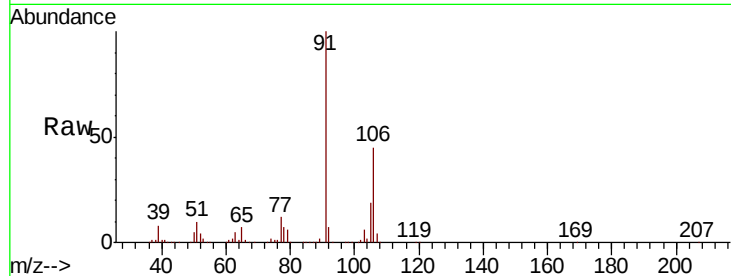




#56  
Stvrene  
Concen: 0.401 ug/L  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.01 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

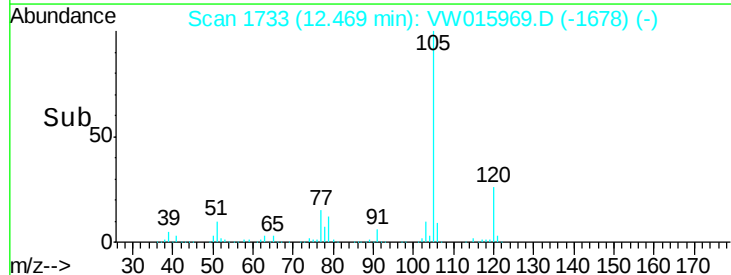
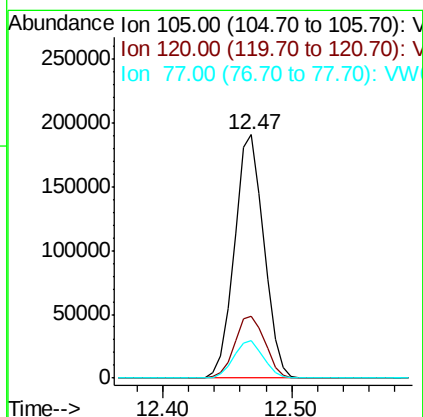
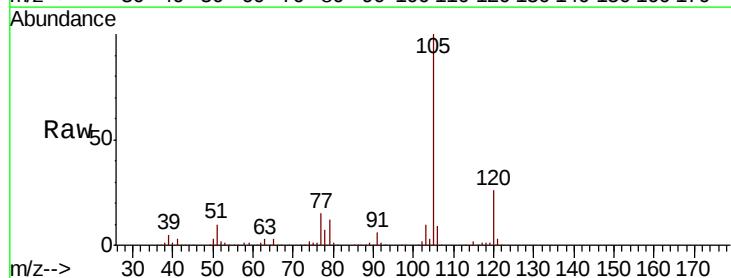
Instrument :  
MSVOA\_W  
ClientSampleId :

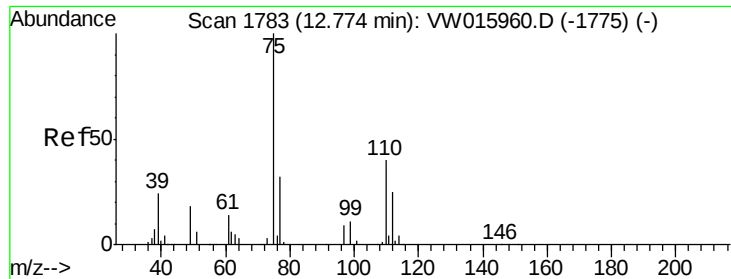
Tot Ion:104 Resp: 5832  
Ion Ratio Lower Upper  
104 100  
78 299.6 32.0 59.4#



#57  
Isopropylbenzene  
Concen: 12.995 ug/L  
RT: 12.47 min Scan# 1733  
Delta R.T. 0.01 min  
Lab File: VW015969.D  
Acq: 27 Jul 2020 15:10

Tgt Ion:105 Resp: 302653  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.4 30.6  
77 15.5 12.9 19.3





#59

1,2,3-Trichloropropane

Concen: 6.069 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

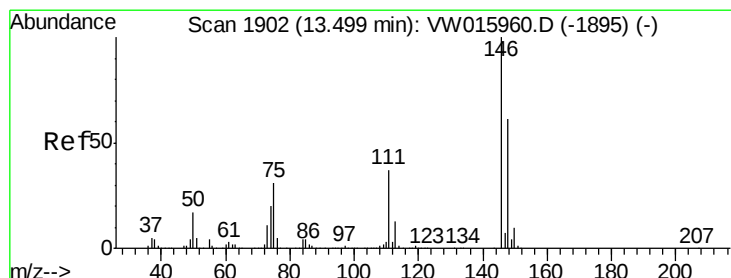
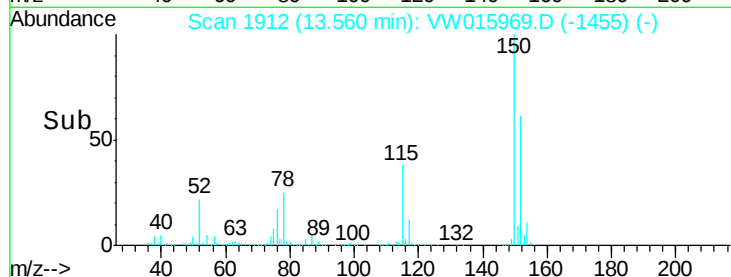
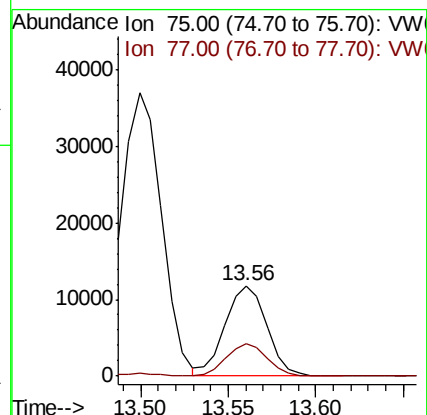
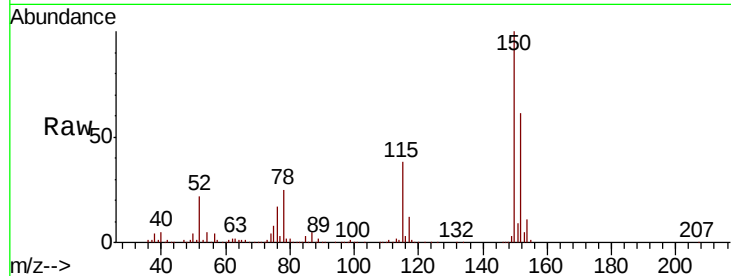
ClientSampleId :

Tot Ion: 75 Resp: 19588

Ion Ratio Lower Upper

75 100

77 36.2 26.0 39.0



#63

1,3-Dichlorobenzene

Concen: 19.894 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

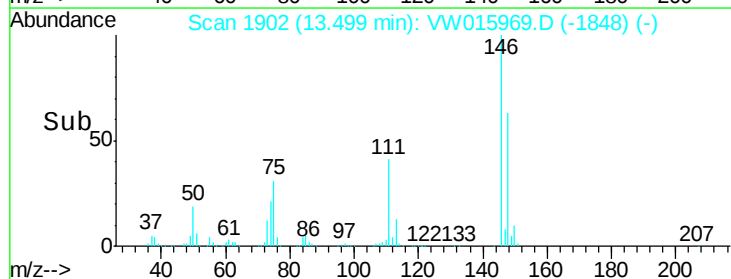
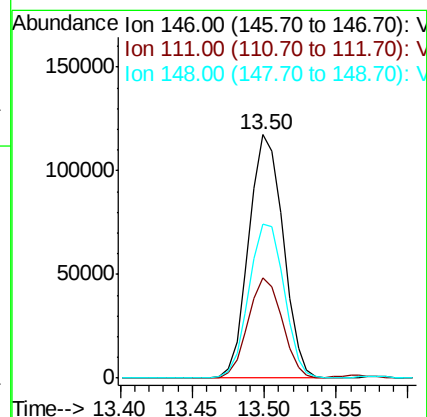
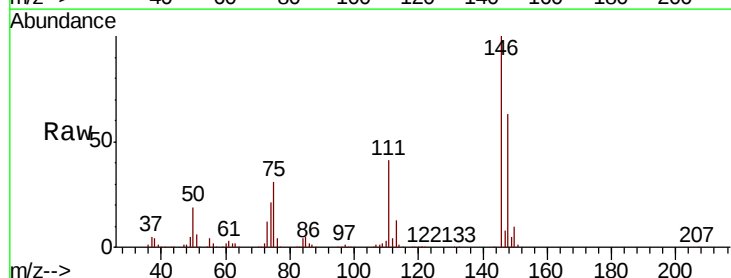
Tgt Ion: 146 Resp: 193981

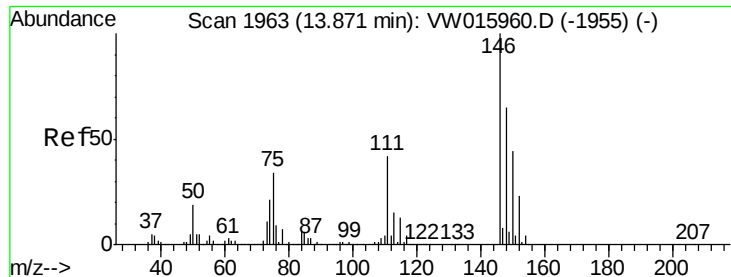
Ion Ratio Lower Upper

146 100

111 41.3 27.9 51.7

148 63.5 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 9.648 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

Instrument :

MSVOA\_W

ClientSampleId :

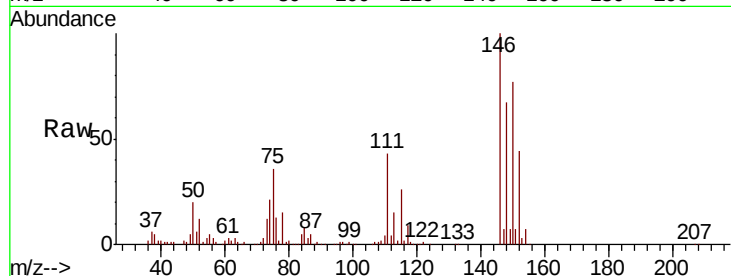
Tot Ion:146 Resp: 85455

Ion Ratio Lower Upper

146 100

111 43.2 32.9 49.3

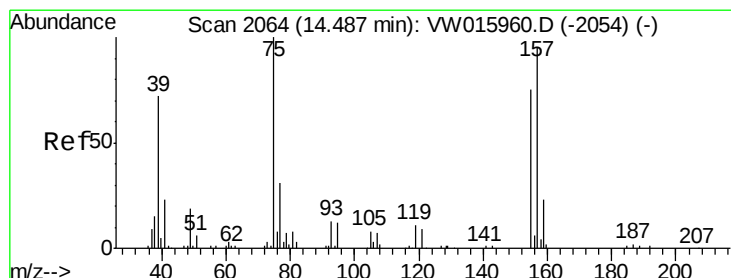
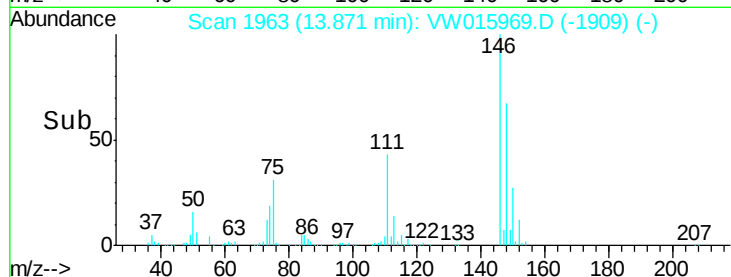
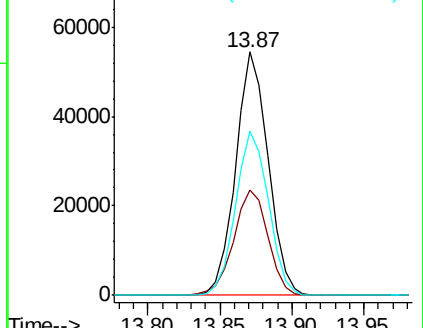
148 67.3 48.8 73.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.490 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 15:10

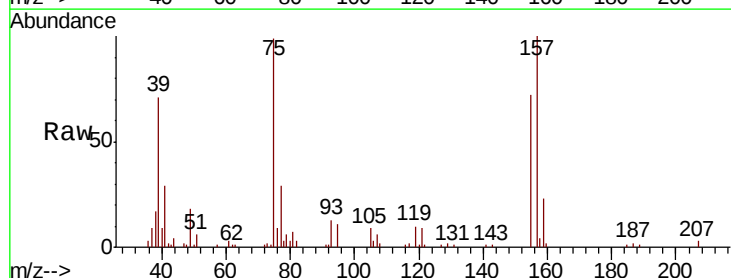
Tgt Ion: 75 Resp: 14993

Ion Ratio Lower Upper

75 100

157 101.3 83.0 124.4

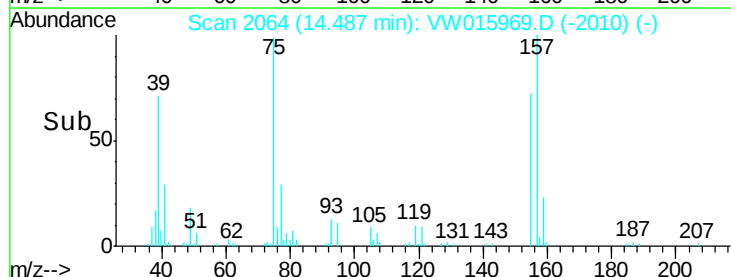
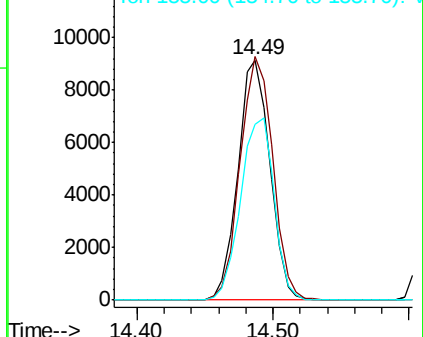
155 73.0 66.9 100.3

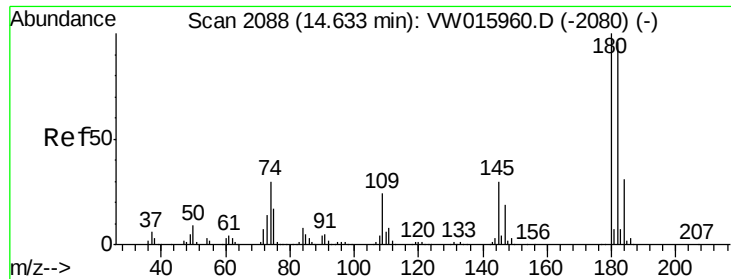


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

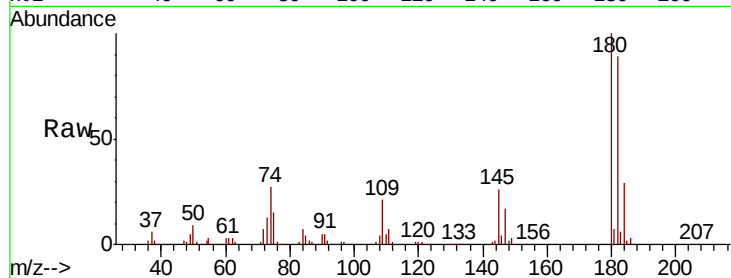




#67  
 1,3,5-Trichlorobenzene  
 Concen: 26.201 ug/L  
 RT: 14.63 min Scan# 2088  
 Delta R.T. -0.00 min  
 Lab File: VW015969.D  
 Acq: 27 Jul 2020 15:10

Instrument :  
 MSVOA\_W  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 180   | Resp: | 179640 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 91.8  | 75.4  | 113.0  |
| 184      | 29.5  | 24.6  | 37.0   |
| 145      | 29.2  | 24.1  | 36.1   |



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

