

Data File : VW017464.D  
Acq On : 24 Nov 2020 10:00  
Operator : SY/VA  
Sample : VSTD00507  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD00501

Quant Time: Nov 24 11:23:09 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Nov 24 11:21:33 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 399124   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 360851   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 185280   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.36  | 65  | 27976  | 4.68  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.90  | 69  | 25180  | 5.50  | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2      | 4.03  | 63  | 63722  | 6.37  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 7.09  | 46  | 12710  | 12.31 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.65  | 84  | 63050  | 6.20  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.31  | 65  | 32312  | 6.29  | ug/L | 0.00 |
| 29) Benzene-d6                 | 8.27  | 84  | 123470 | 6.06  | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6     | 9.28  | 67  | 34100  | 5.72  | ug/L | 0.00 |
| 37) Toluene-d8                 | 10.33 | 98  | 110217 | 5.23  | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 10.59 | 79  | 14753  | 5.34  | ug/L | 0.00 |
| 39) 2-Hexanone-d5              | 10.93 | 63  | 7693   | 7.97  | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 25470  | 5.25  | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4     | 13.85 | 152 | 37557  | 5.33  | ug/L | 0.00 |

#### Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 22311  | 5.892 ug/L   | 86     |
| 3) Chloromethane               | 2.22  | 50  | 21944  | 5.405 ug/L   | 97     |
| 5) Vinyl chloride              | 2.37  | 62  | 26173  | 4.674 ug/L   | 97     |
| 6) Bromomethane                | 2.79  | 94  | 19358  | 4.654 ug/L   | 98     |
| 8) Chloroethane                | 2.93  | 64  | 18324  | 5.216 ug/L   | 100    |
| 9) Trichlorofluoromethane      | 3.27  | 101 | 30060  | 5.914 ug/L   | 99     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 31180  | 5.982 ug/L # | 81     |
| 12) 1,1-Dichloroethene         | 4.05  | 96  | 29204  | 5.881 ug/L   | 90     |
| 13) Acetone                    | 4.14  | 43  | 10934  | 14.731 ug/L  | 98     |
| 14) Carbon disulfide           | 4.39  | 76  | 81045  | 5.711 ug/L   | 100    |
| 15) Methyl Acetate             | 4.68  | 43  | 10330  | 6.358 ug/L   | 91     |
| 16) Methylene chloride         | 4.92  | 84  | 34838  | 4.598 ug/L   | 95     |
| 17) Methyl tert-butyl Ether    | 5.43  | 73  | 33311  | 5.621 ug/L # | 73     |
| 18) trans-1,2-Dichloroethene   | 5.42  | 96  | 18823  | 3.554 ug/L   | 99     |
| 19) 1,1-Dichloroethane         | 6.22  | 63  | 51939  | 6.322 ug/L   | 95     |
| 21) 2-Butanone                 | 7.18  | 43  | 14512  | 13.197 ug/L  | 99     |
| 22) cis-1,2-Dichloroethene     | 7.18  | 96  | 31933  | 5.792 ug/L   | 89     |
| 23) Bromochloromethane         | 7.52  | 128 | 15392  | 5.909 ug/L   | 84     |
| 25) Chloroform                 | 7.68  | 83  | 55071  | 5.968 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 34520  | 6.028 ug/L   | 96     |
| 30) Cyclohexane                | 7.96  | 56  | 45086  | 6.513 ug/L   | 99     |
| 31) 1,1,1-Trichloroethane      | 7.88  | 97  | 46136  | 5.610 ug/L   | 99     |
| 32) Carbon tetrachloride       | 8.07  | 117 | 44356  | 5.495 ug/L   | 98     |
| 34) Benzene                    | 8.32  | 78  | 118335 | 5.886 ug/L   | 100    |
| 35) Trichloroethene            | 9.09  | 95  | 31972  | 5.216 ug/L   | 97     |
| 36) Methylcyclohexane          | 9.34  | 83  | 52281  | 5.215 ug/L   | 98     |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 27908  | 5.531 ug/L   | 99     |
| 41) Bromodichloromethane       | 9.65  | 83  | 37865  | 5.376 ug/L   | 99     |
| 42) cis-1,3-Dichloropropene    | 10.08 | 75  | 41188  | 5.113 ug/L   | 95     |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 26830  | 10.894 ug/L  | 99     |

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MSVOA\_W  
ClientSampleId :  
VSTD00501

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Quant Title : VOC Analysis  
QLast Update : Tue Nov 24 11:21:33 2020  
Response via : Initial Calibration

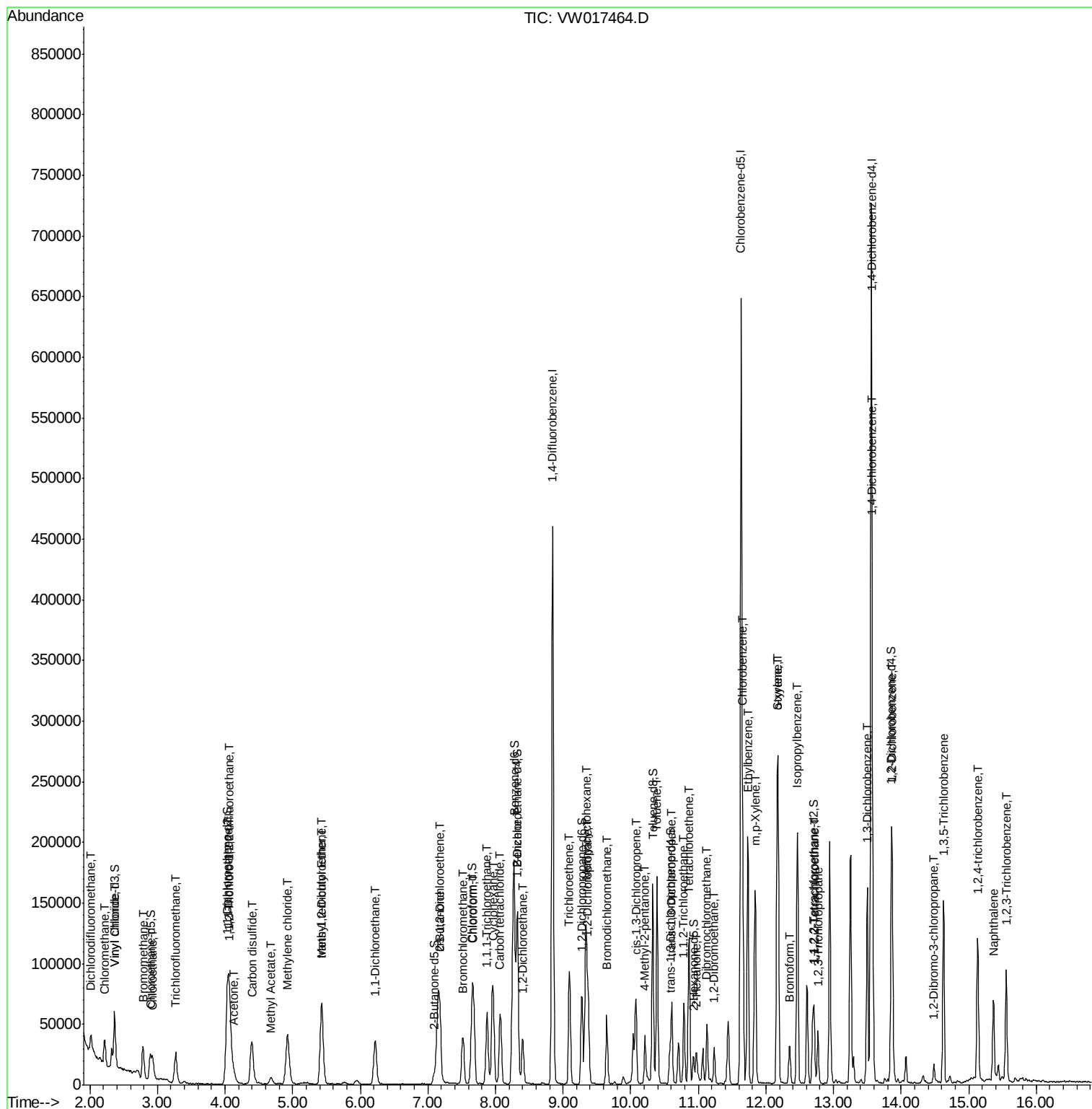
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 44) Toluene                    | 10.39 | 91   | 126677   | 5.183  | ug/L   | 94       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 35825    | 5.136  | ug/L   | 94       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 21907    | 5.072  | ug/L   | 96       |
| 47) Tetrachloroethene          | 10.87 | 164  | 28393    | 4.826  | ug/L   | 95       |
| 49) 2-Hexanone                 | 10.97 | 43   | 19057    | 11.128 | ug/L # | 87       |
| 50) Dibromochloromethane       | 11.13 | 129  | 25760    | 4.878  | ug/L   | 98       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 20395    | 5.150  | ug/L # | 98       |
| 52) Chlorobenzene              | 11.66 | 112  | 83489    | 5.274  | ug/L   | 93       |
| 53) Ethylbenzene               | 11.73 | 91   | 141612   | 5.339  | ug/L   | 99       |
| 54) m,p-Xylene                 | 11.84 | 106  | 54268    | 5.228  | ug/L   | 92       |
| 55) o-xylene                   | 12.17 | 106  | 50158    | 4.980  | ug/L   | 98       |
| 56) Styrene                    | 12.18 | 104  | 82527    | 4.813  | ug/L   | 98       |
| 57) Isopropylbenzene           | 12.47 | 105  | 135408   | 4.827  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 24090    | 5.206  | ug/L   | 93       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 17364    | 5.249  | ug/L   | 98       |
| 62) Bromoform                  | 12.35 | 173  | 14368    | 5.082  | ug/L   | 96       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 64902    | 5.317  | ug/L   | 96       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 64442    | 5.247  | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 55655    | 5.083  | ug/L   | 90       |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75   | 3564     | 5.550  | ug/L   | 90       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 46411    | 5.071  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 38260    | 4.717  | ug/L   | 99       |
| 69) Naphthalene                | 15.36 | 128  | 56432    | 4.514  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 31130    | 4.322  | ug/L   | 94       |

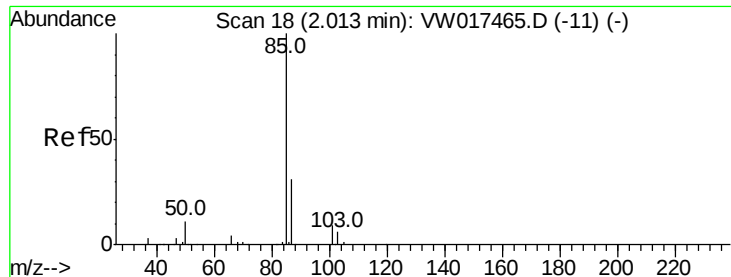
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.892 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

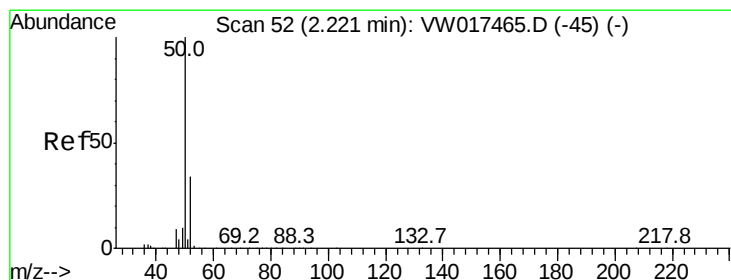
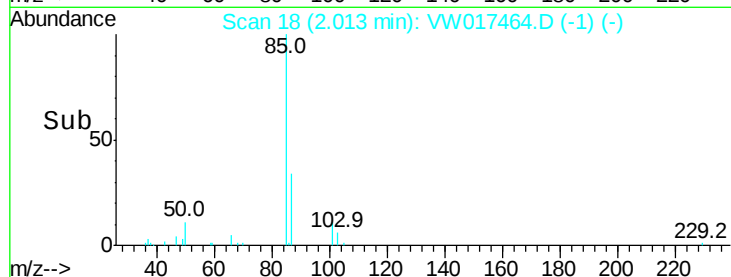
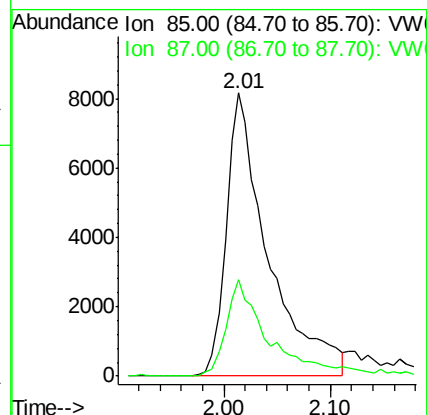
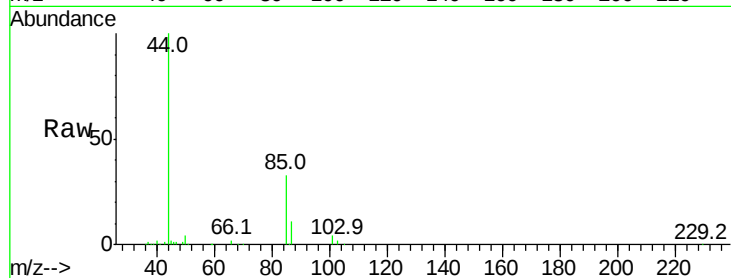
VSTD00501

Tgt Ion: 85 Resp: 22311

Ion Ratio Lower Upper

85 100

87 24.9 23.2 43.0



#3

Chloromethane

Concen: 5.405 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017464.D

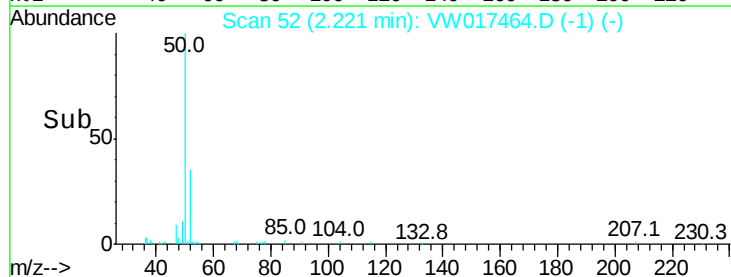
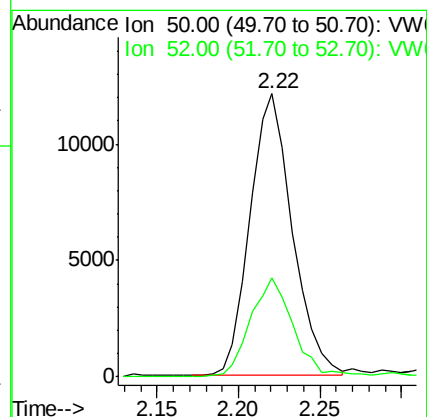
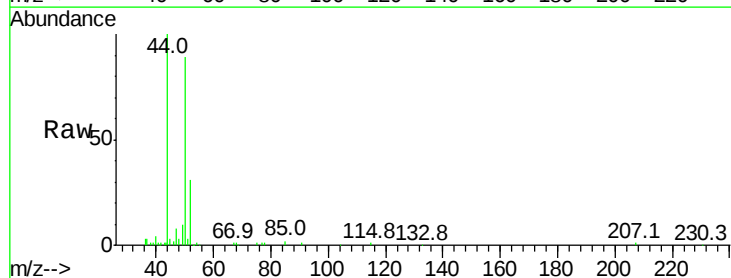
Acq: 24 Nov 2020 10:00

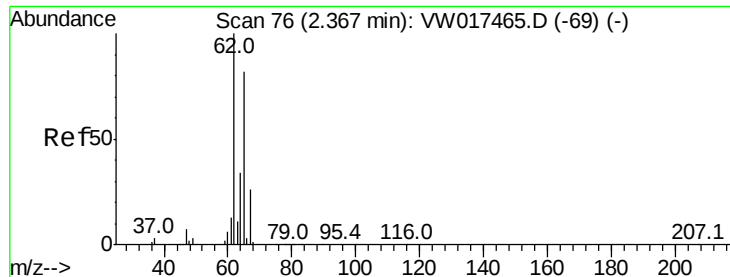
Tgt Ion: 50 Resp: 21944

Ion Ratio Lower Upper

50 100

52 35.2 23.4 43.6





#5

Vinyl chloride

Concen: 4.674 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

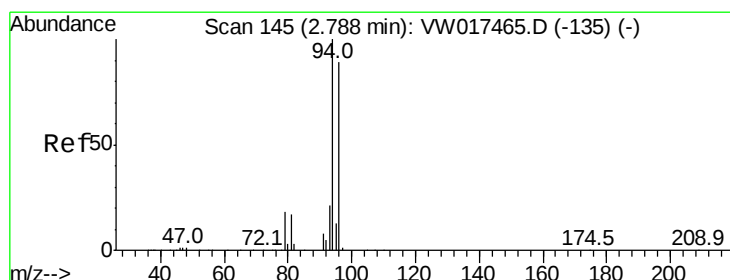
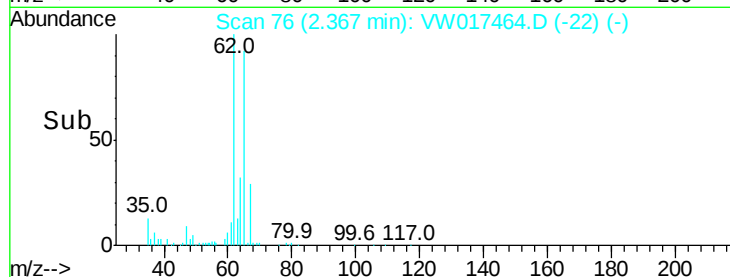
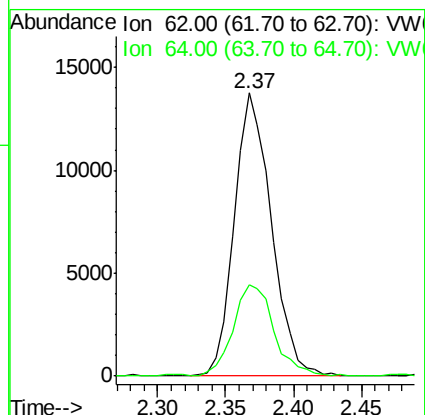
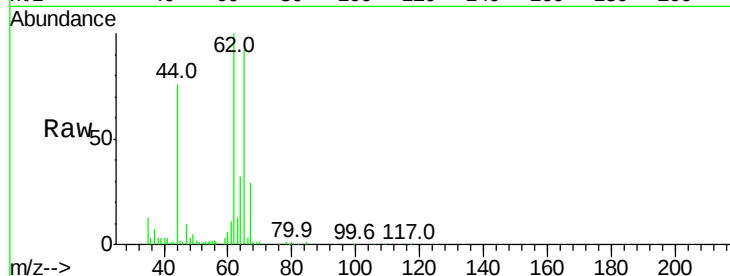
VSTD00501

Tgt Ion: 62 Resp: 26173

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.5



#6

Bromomethane

Concen: 4.654 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017464.D

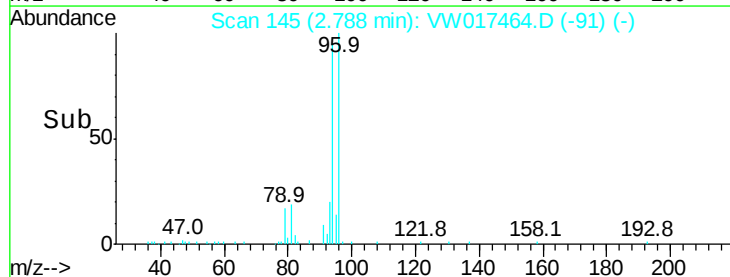
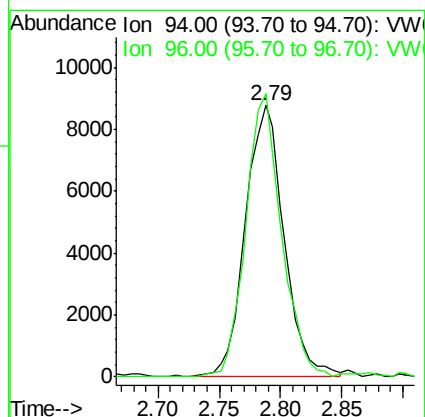
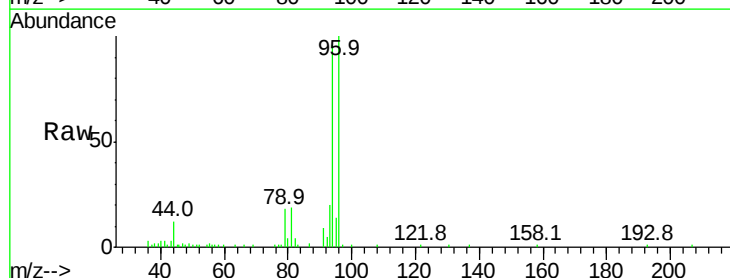
Acq: 24 Nov 2020 10:00

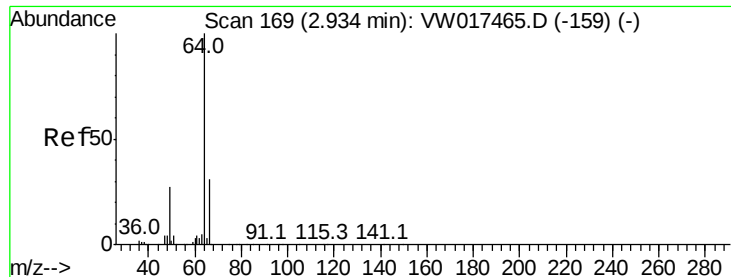
Tgt Ion: 94 Resp: 19358

Ion Ratio Lower Upper

94 100

96 95.9 9.4 178.0

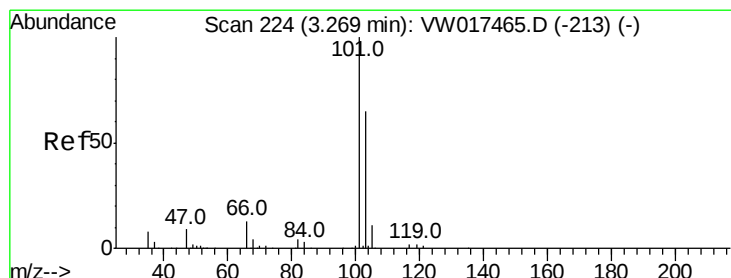
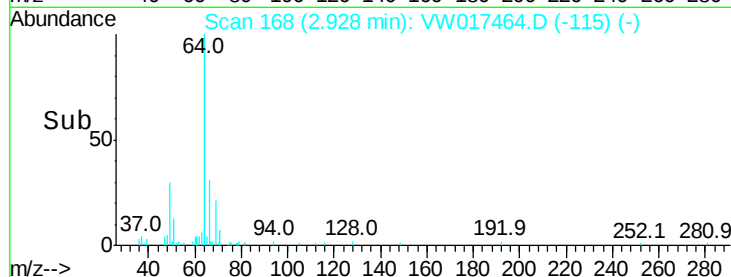
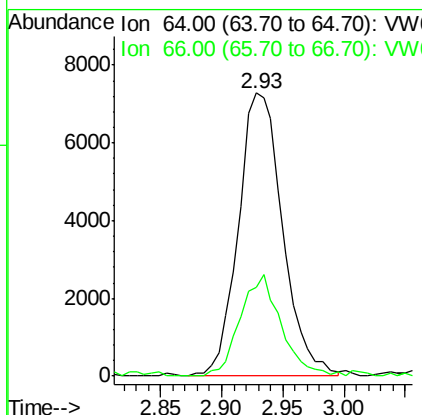
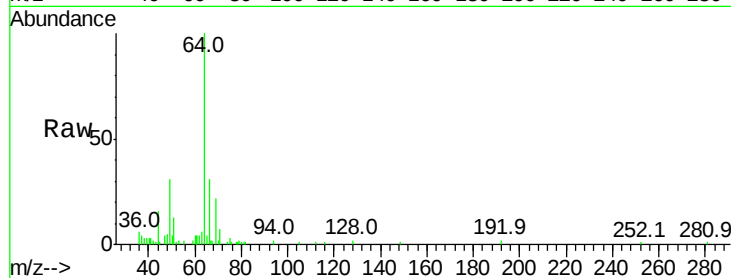




#8  
Chloroethane  
Concen: 5.216 ug/L  
RT: 2.93 min Scan# 168  
Delta R.T. -0.01 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

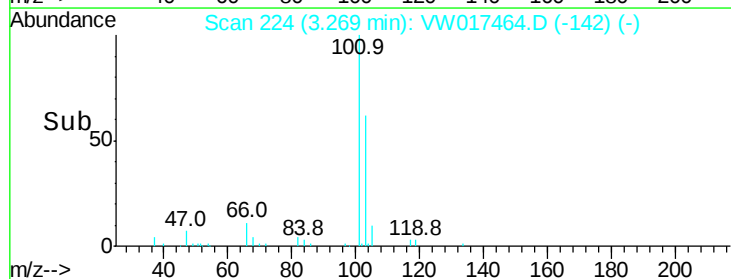
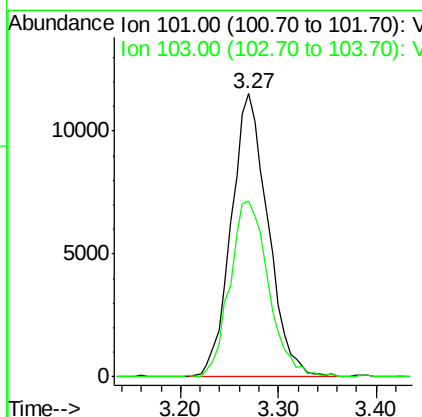
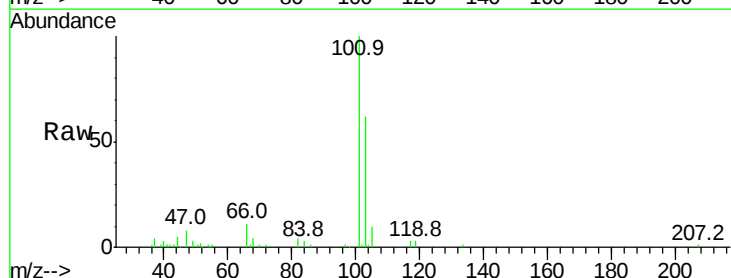
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD00501

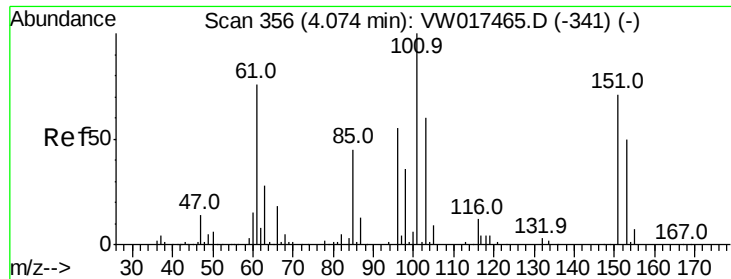
Tgt Ion: 64 Resp: 18324  
Ion Ratio Lower Upper  
64 100  
66 31.4 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 5.914 ug/L  
RT: 3.27 min Scan# 224  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion: 101 Resp: 30060  
Ion Ratio Lower Upper  
101 100  
103 64.8 45.0 83.6





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.982 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTD00501

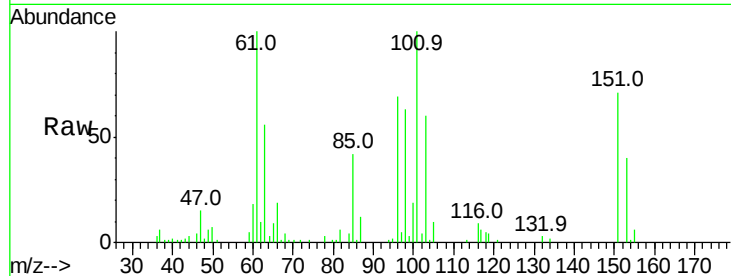
Tgt Ion:101 Resp: 31180

Ion Ratio Lower Upper

101 100

85 26.8 34.2 51.4#

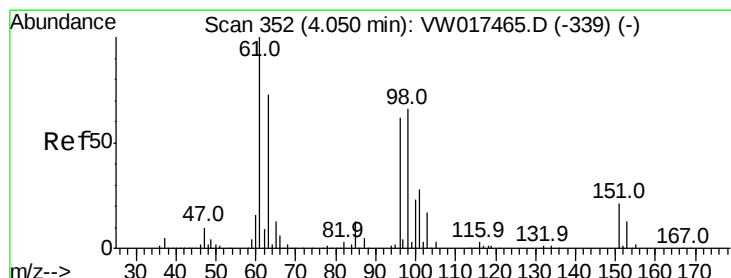
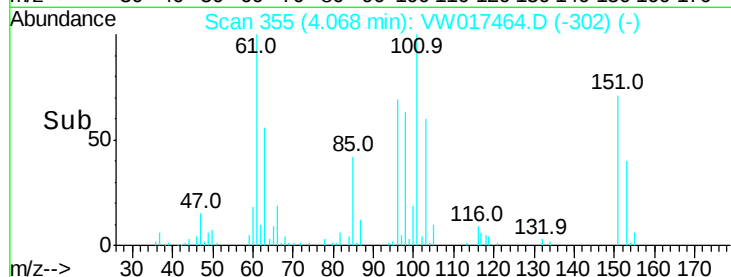
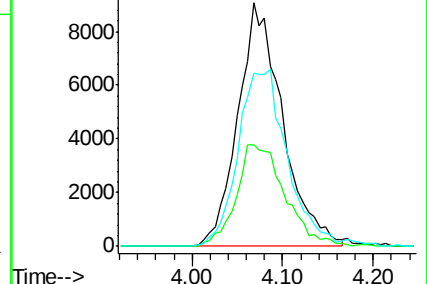
151 45.5 30.4 45.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.881 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

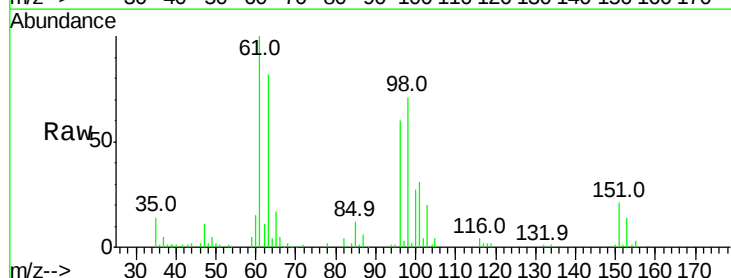
Tgt Ion: 96 Resp: 29204

Ion Ratio Lower Upper

96 100

61 167.6 112.5 208.9

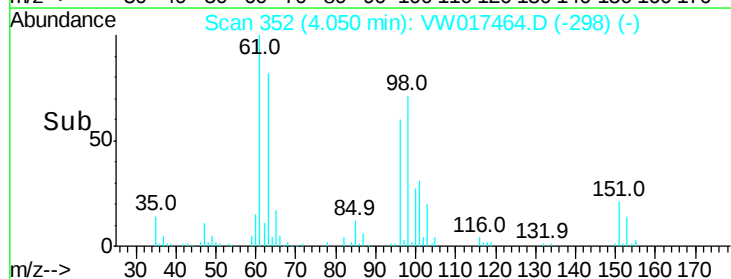
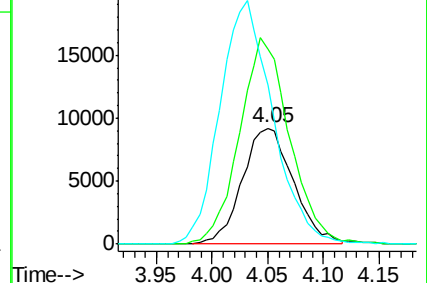
63 136.8 83.1 154.3

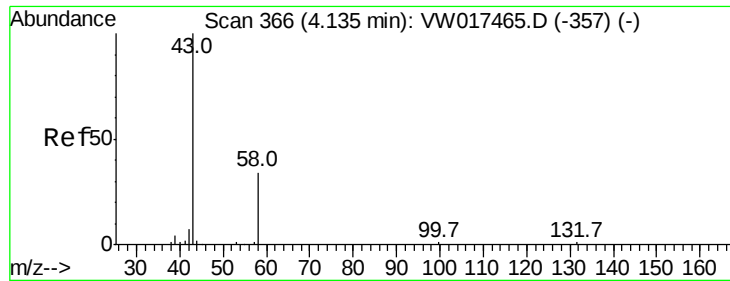


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 14.731 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

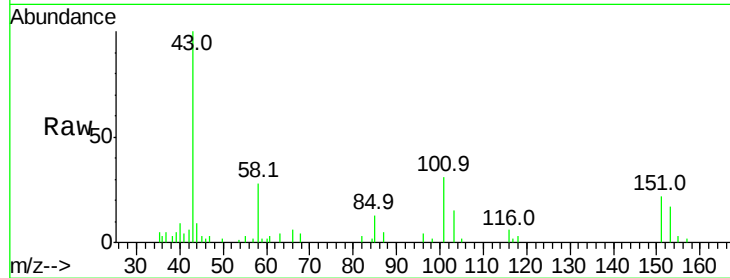
VSTD00501

Tgt Ion: 43 Resp: 10934

Ion Ratio Lower Upper

43 100

58 35.4 0.0 68.4



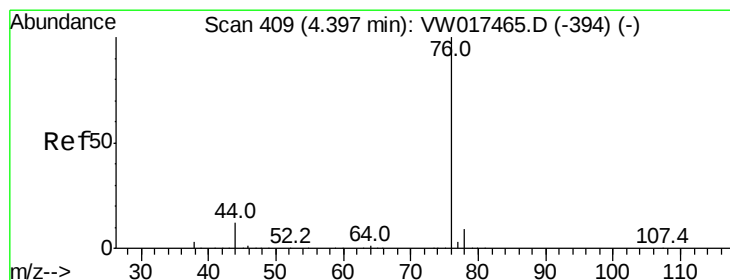
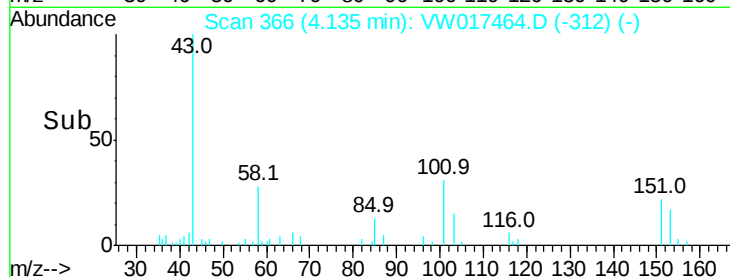
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4.05 4.10 4.15 4.20 4.25

Time-->



#14

Carbon disulfide

Concen: 5.711 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW017464.D

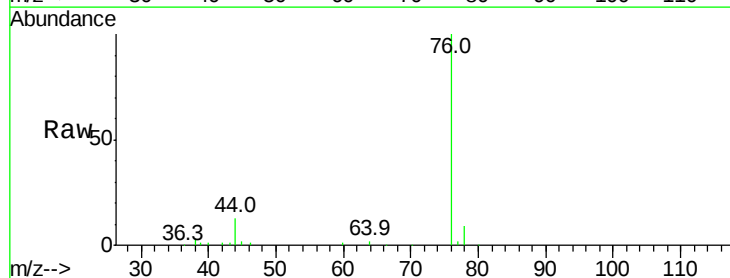
Acq: 24 Nov 2020 10:00

Tgt Ion: 76 Resp: 81045

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



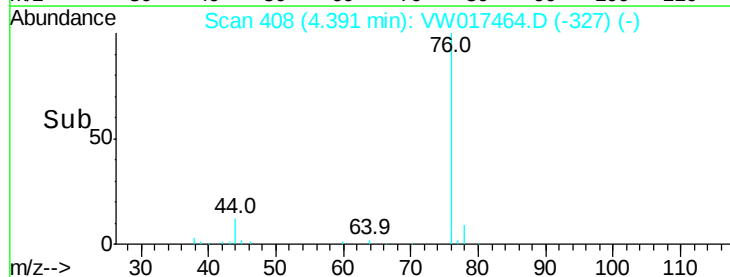
Abundance Ion 76.00 (75.70 to 76.70): VW

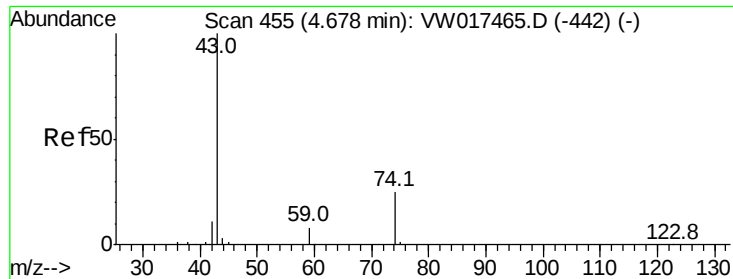
Ion 78.00 (77.70 to 78.70): VW

4.39

4.30 4.40 4.50

Time-->

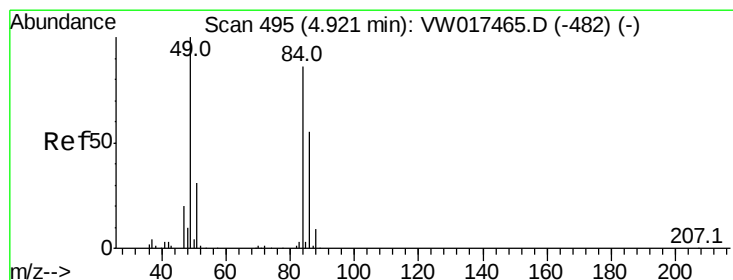
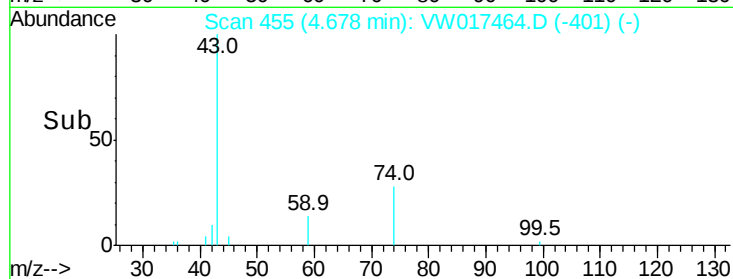
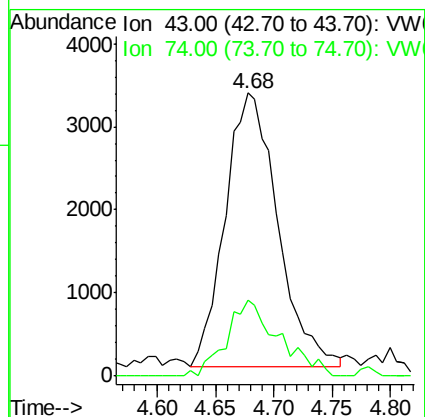
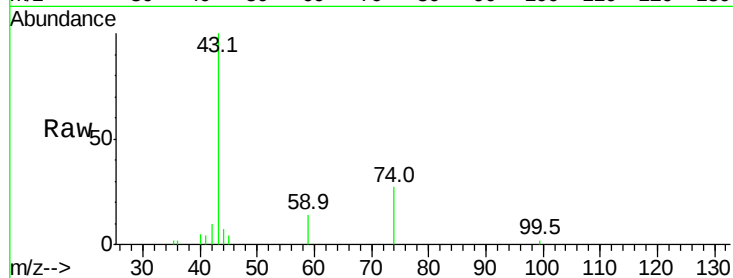




#15  
Methyl Acetate  
Concen: 6.358 ug/L  
RT: 4.68 min Scan# 455  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

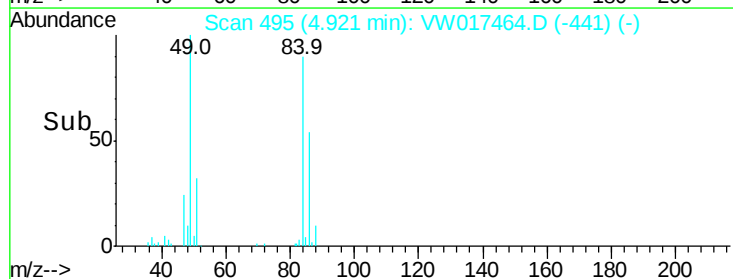
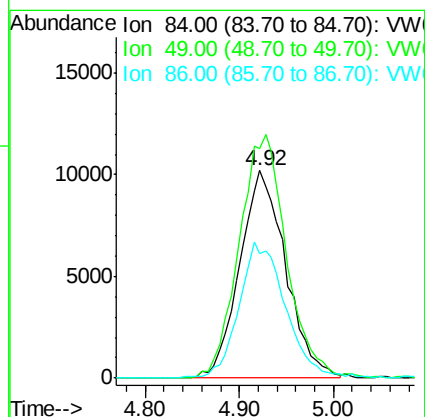
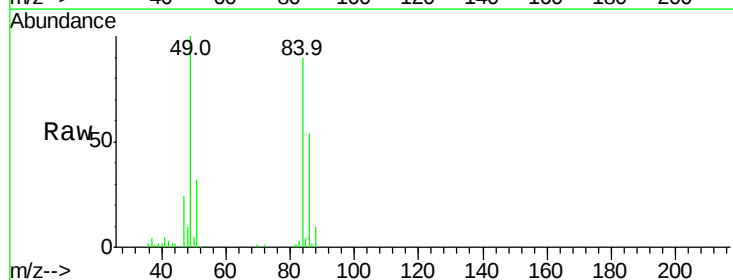
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD00501

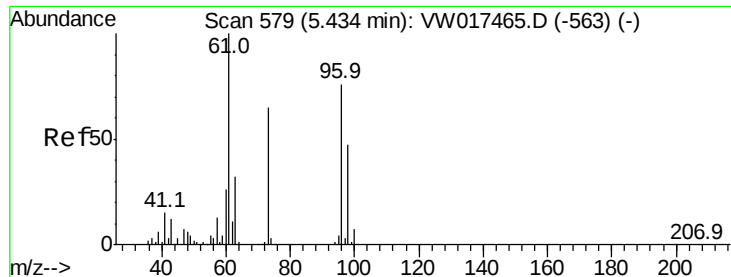
Tgt Ion: 43 Resp: 10330  
Ion Ratio Lower Upper  
43 100  
74 21.2 20.7 31.1



#16  
Methylene chloride  
Concen: 4.598 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion: 84 Resp: 34838  
Ion Ratio Lower Upper  
84 100  
49 110.7 81.2 150.8  
86 59.9 44.5 82.7

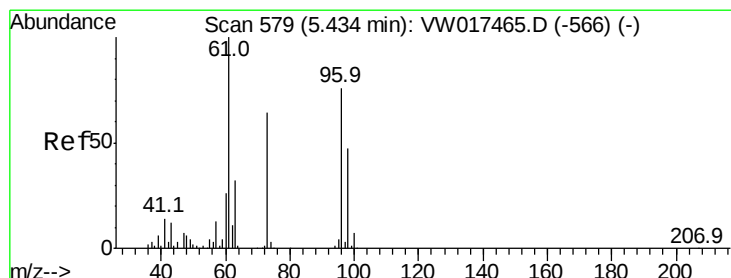
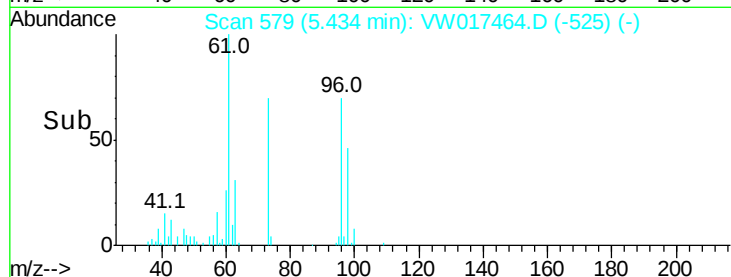
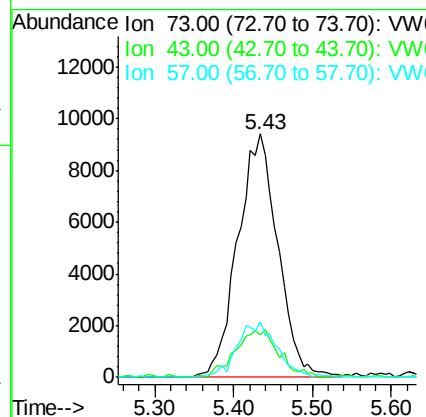
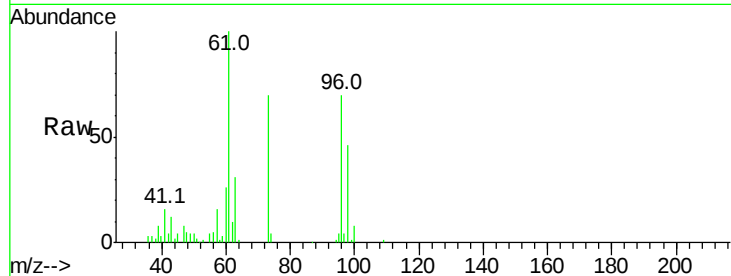




#17  
Methyl tert-butyl Ether  
Concen: 5.621 ug/L  
RT: 5.43 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

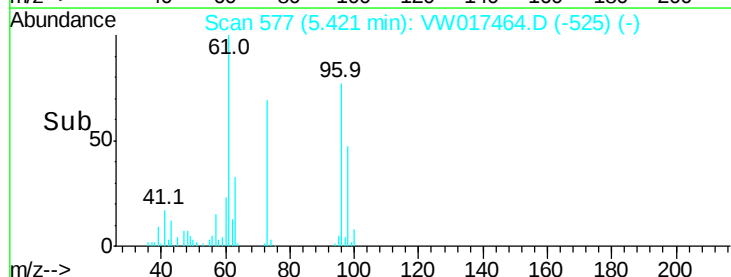
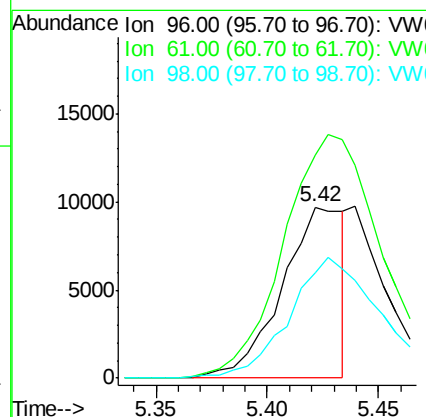
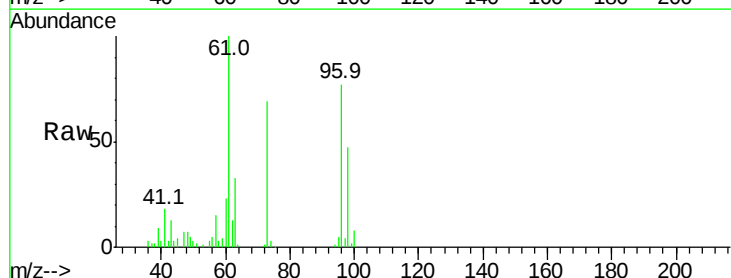
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD00501

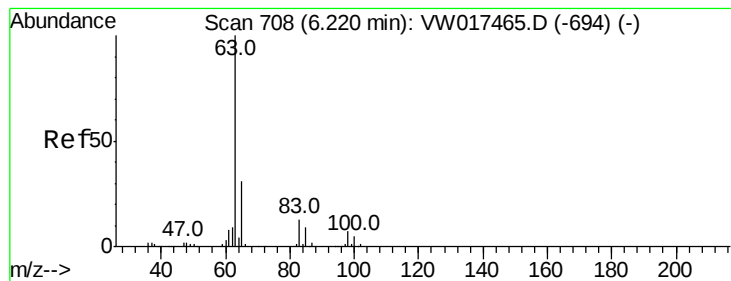
Tgt Ion: 73 Resp: 33311  
Ion Ratio Lower Upper  
73 100  
43 7.6 16.2 24.4#  
57 8.5 17.2 25.8#



#18  
trans-1,2-Dichloroethene  
Concen: 3.554 ug/L  
RT: 5.42 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion: 96 Resp: 18823  
Ion Ratio Lower Upper  
96 100  
61 130.4 92.7 172.1  
98 61.6 43.3 80.3





#19

1,1-Dichloroethane

Concen: 6.322 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTD00501

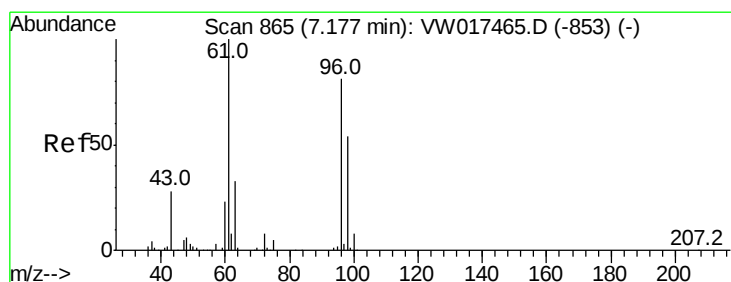
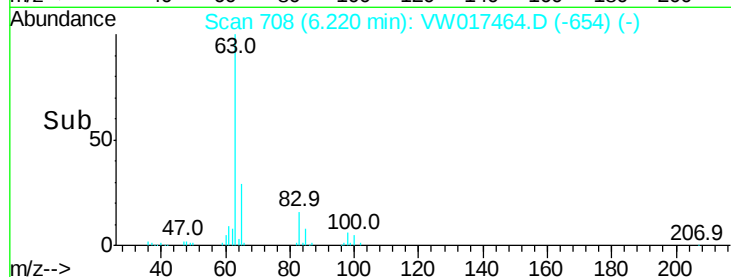
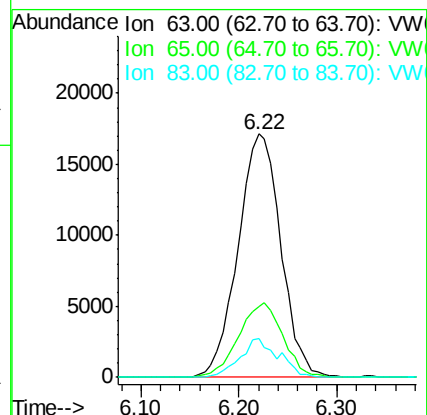
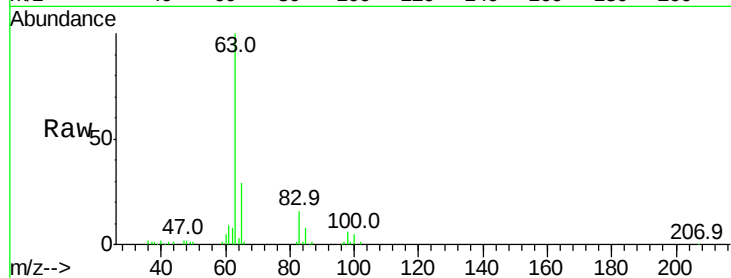
Tgt Ion: 63 Resp: 51939

Ion Ratio Lower Upper

63 100

65 28.9 21.9 40.7

83 15.9 9.4 17.6



#21

2-Butanone

Concen: 13.197 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017464.D

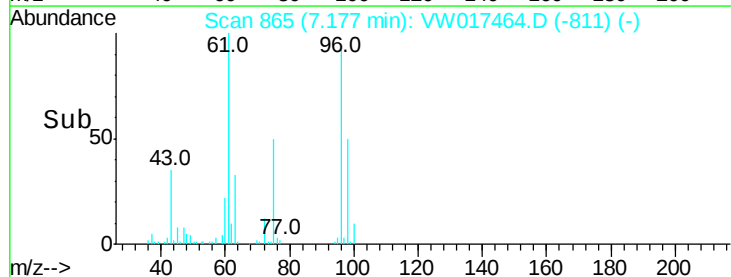
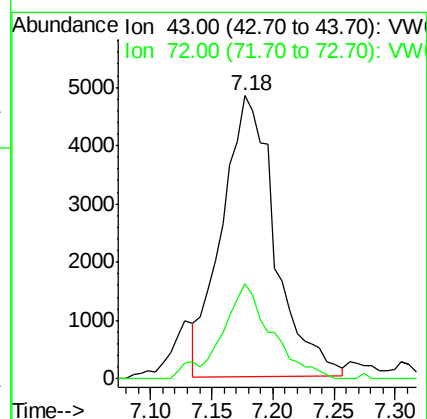
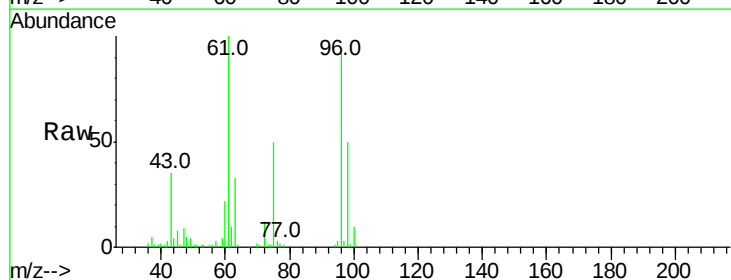
Acq: 24 Nov 2020 10:00

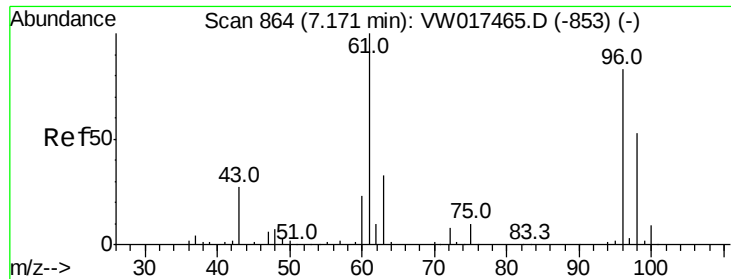
Tgt Ion: 43 Resp: 14512

Ion Ratio Lower Upper

43 100

72 29.6 14.4 43.2



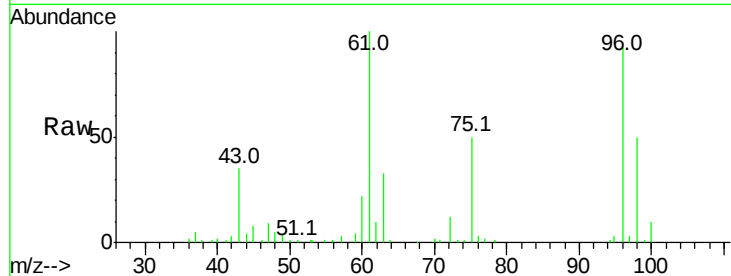


#22

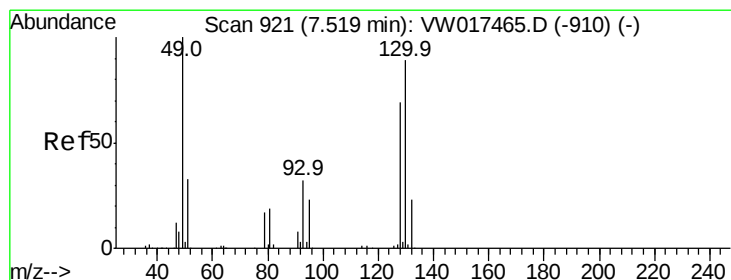
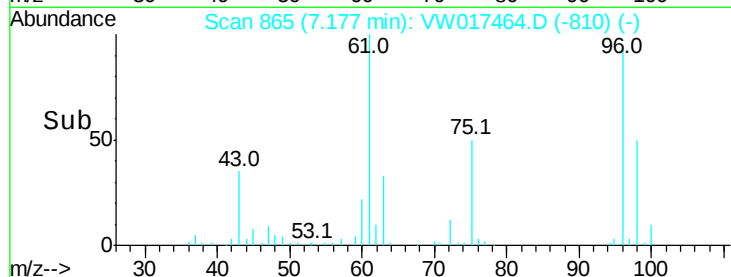
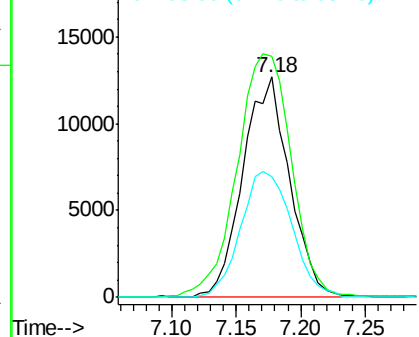
cis-1,2-Dichloroethene  
Concen: 5.792 ug/L  
RT: 7.18 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD00501

Tgt Ion: 96 Resp: 31933  
Ion Ratio Lower Upper  
96 100  
61 109.3 84.6 157.2  
98 54.9 44.7 82.9



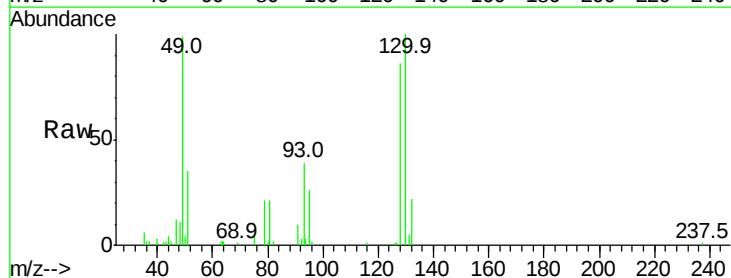
Abundance Ion 96.00 (95.70 to 96.70): VW  
Ion 61.00 (60.70 to 61.70): VW  
Ion 98.00 (97.70 to 98.70): VW



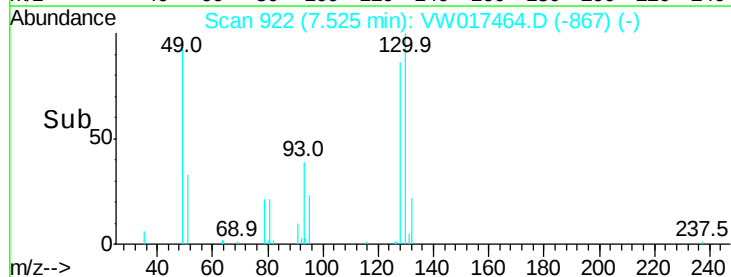
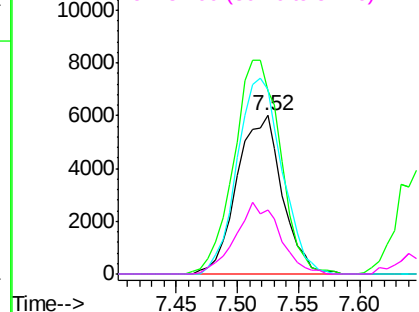
#23

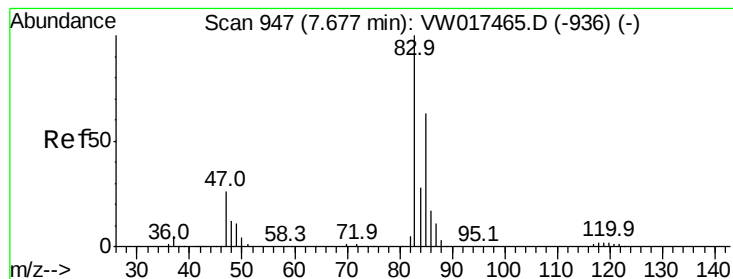
Bromochloromethane  
Concen: 5.909 ug/L  
RT: 7.52 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion: 128 Resp: 15392  
Ion Ratio Lower Upper  
128 100  
49 115.7 101.6 188.6  
130 116.7 90.4 167.8  
51 40.5 37.7 56.5



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





#25

Chloroform

Concen: 5.968 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

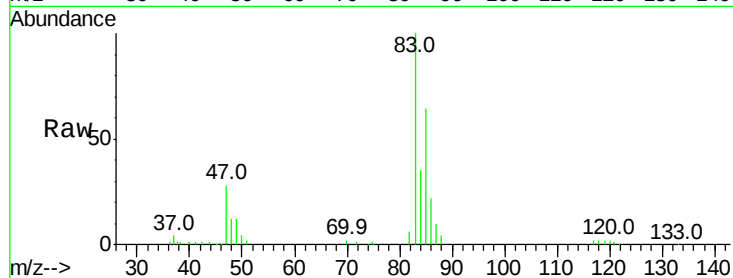
VSTD00501

Tgt Ion: 83 Resp: 55071

Ion Ratio Lower Upper

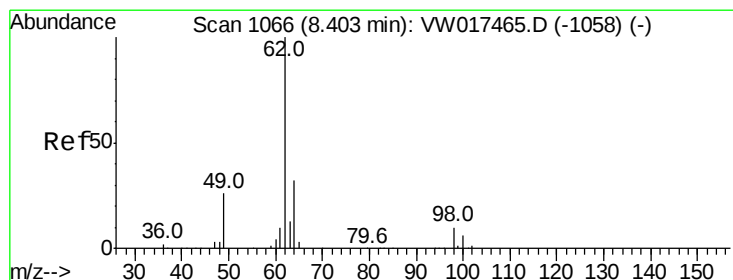
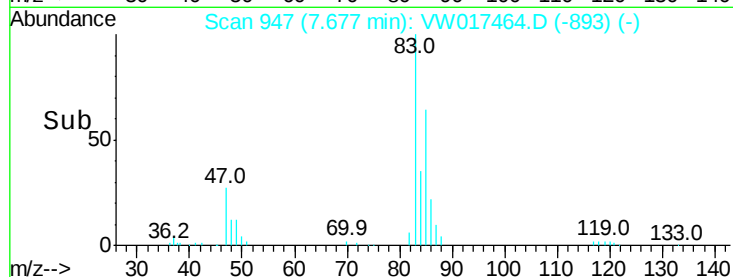
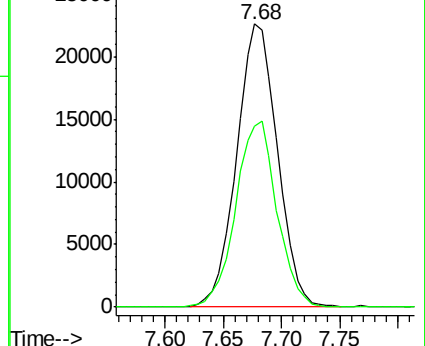
83 100

85 66.4 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 6.028 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017464.D

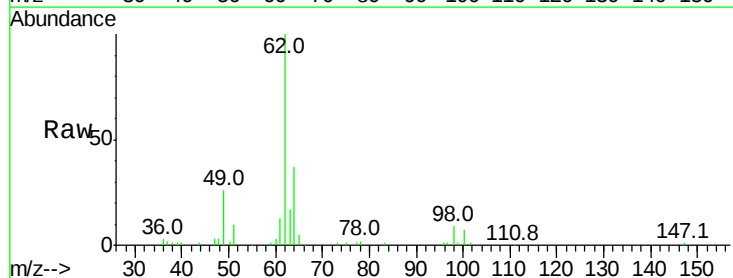
Acq: 24 Nov 2020 10:00

Tgt Ion: 62 Resp: 34520

Ion Ratio Lower Upper

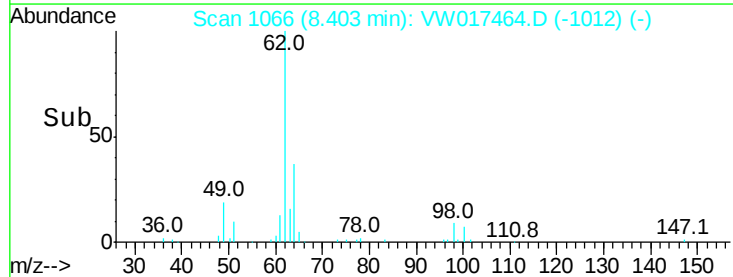
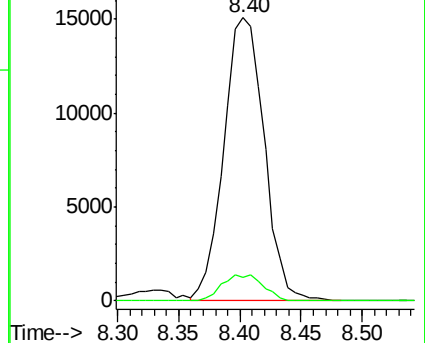
62 100

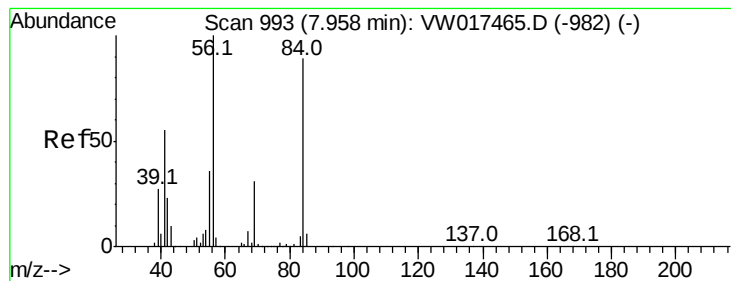
98 8.5 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 6.513 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTD00501

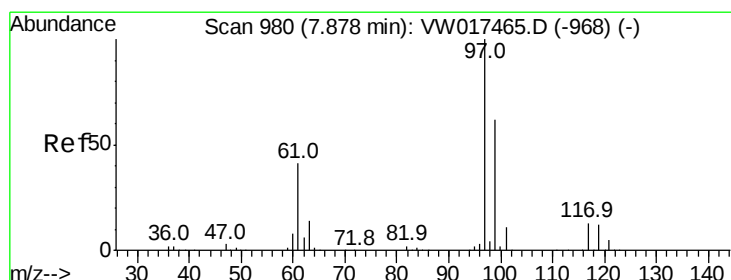
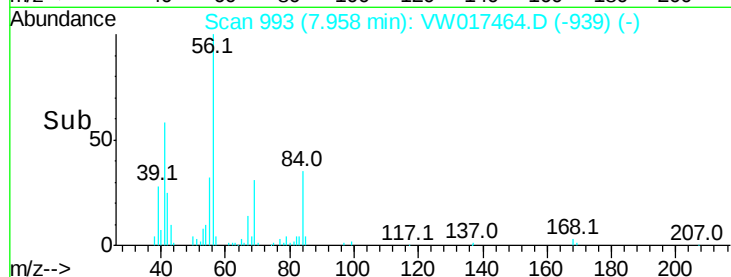
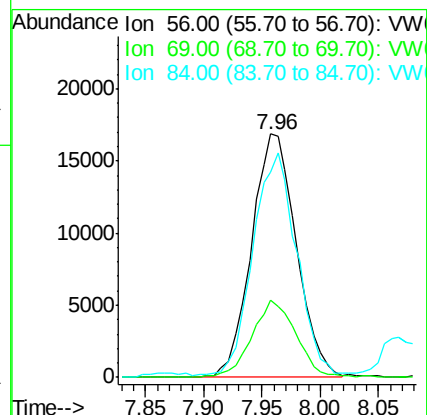
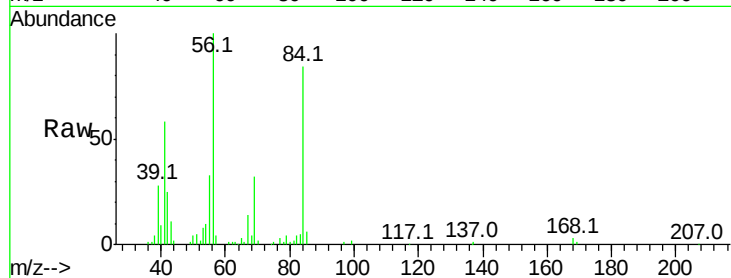
Tgt Ion: 56 Resp: 45086

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 91.0 74.2 111.4



#31

1,1,1-Trichloroethane

Concen: 5.610 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

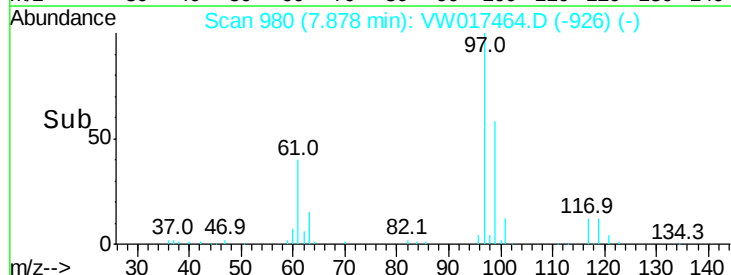
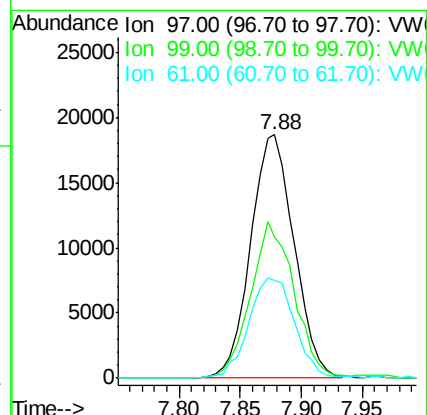
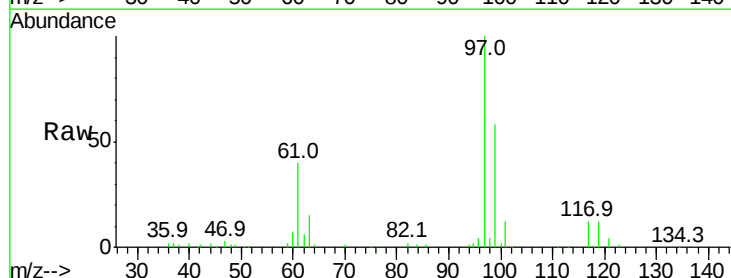
Tgt Ion: 97 Resp: 46136

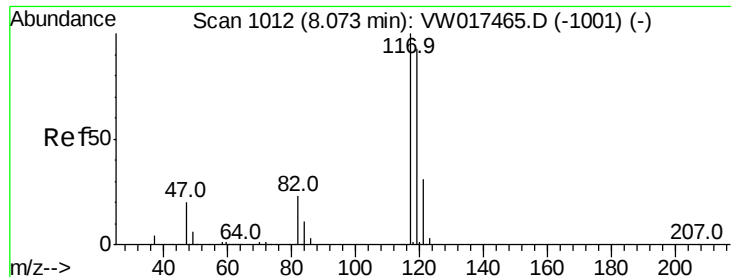
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 43.4 33.6 50.4





#32

Carbon tetrachloride

Concen: 5.495 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

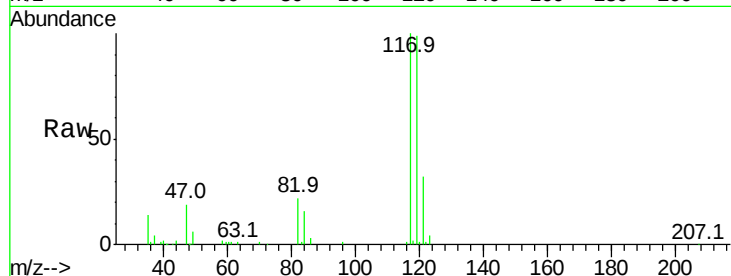
VSTD00501

Tgt Ion:117 Resp: 44356

Ion Ratio Lower Upper

117 100

119 96.8 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

20000

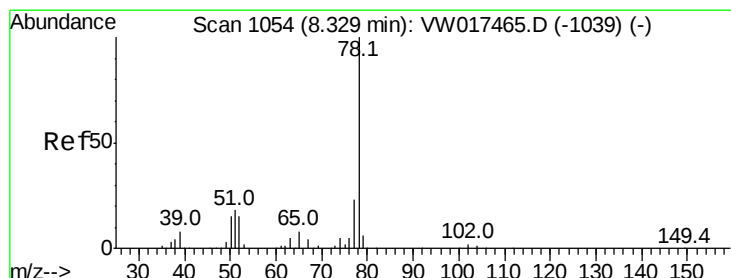
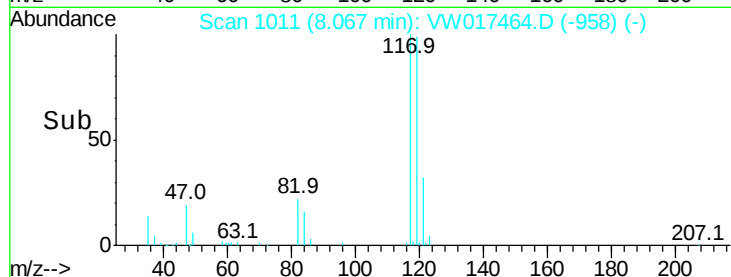
15000

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.886 ug/L

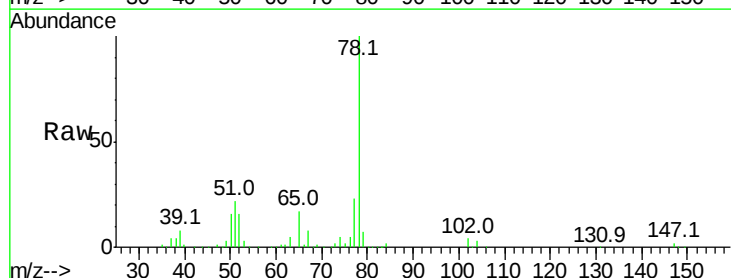
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Tgt Ion: 78 Resp: 118335



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

60000

50000

40000

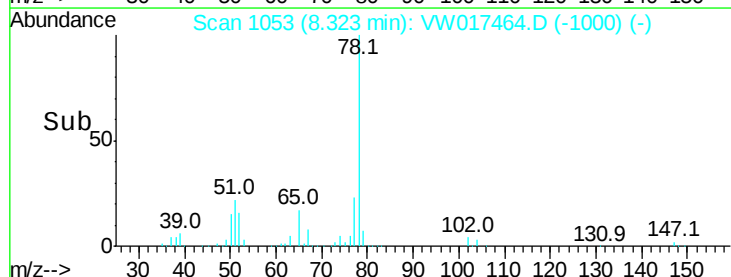
30000

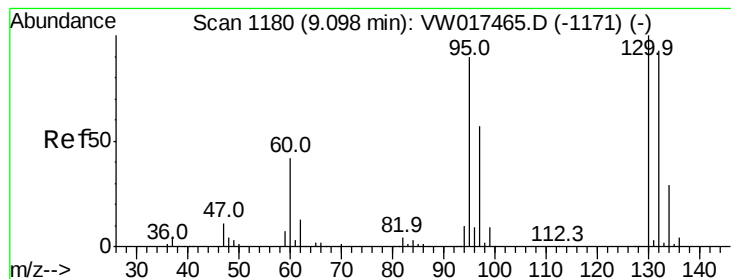
20000

10000

0

Time--> 8.20 8.30 8.40



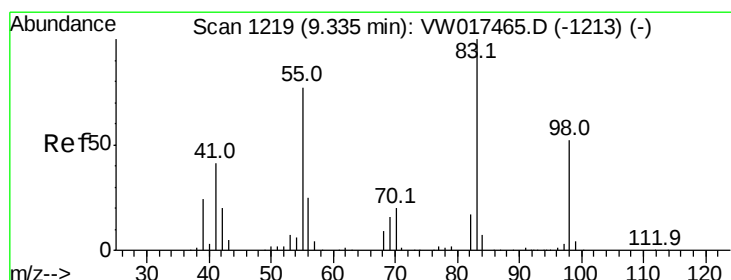
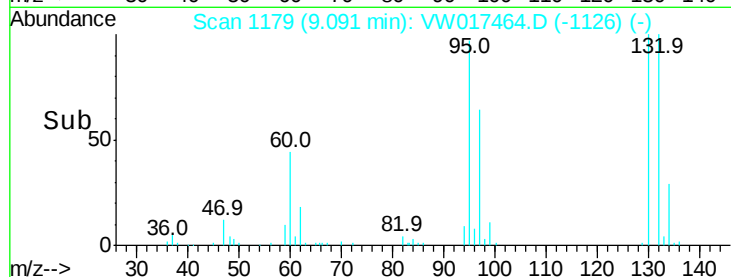
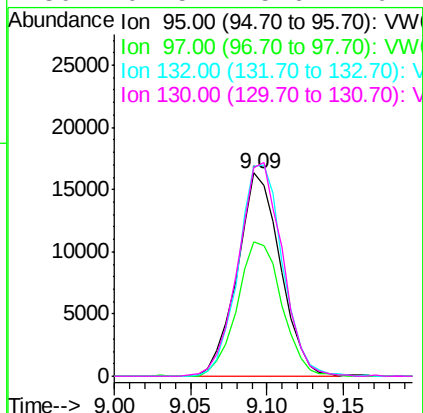
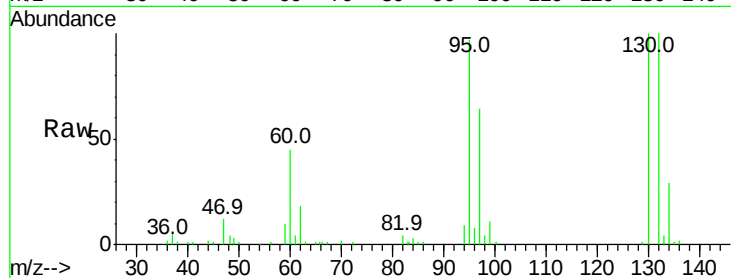


#35  
 Trichloroethene  
 Concen: 5.216 ug/L  
 RT: 9.09 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00501

Tgt Ion: 95 Resp: 31972

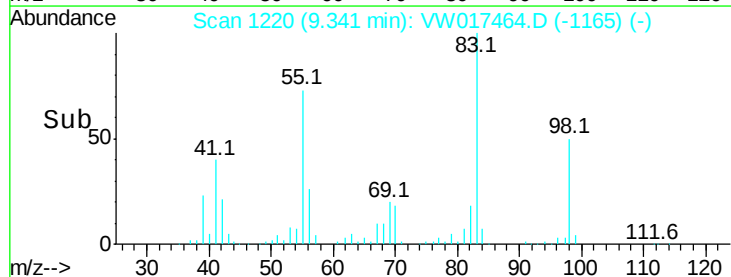
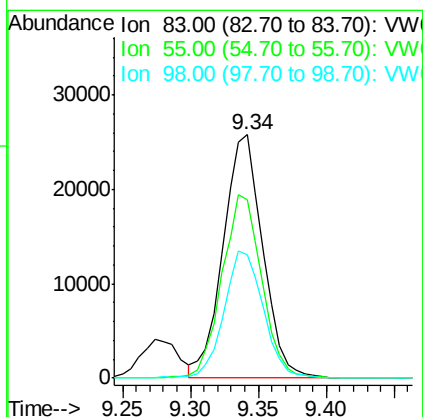
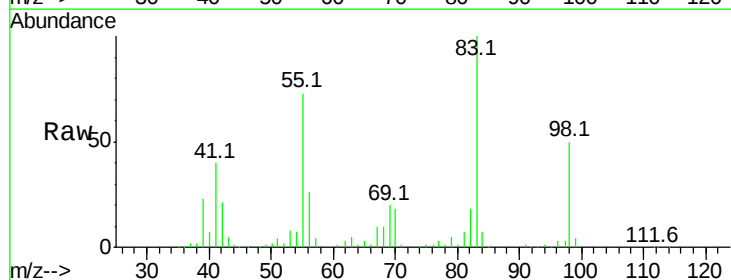
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.3  | 45.0  | 83.6  |
| 132 | 106.6 | 71.0  | 131.8 |
| 130 | 107.5 | 75.6  | 140.4 |

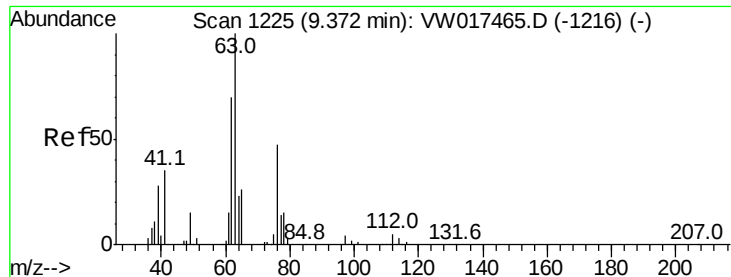


#36  
 Methylcyclohexane  
 Concen: 5.215 ug/L  
 RT: 9.34 min Scan# 1220  
 Delta R.T. 0.01 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

Tgt Ion: 83 Resp: 52281

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.6  | 59.4  | 89.0  |
| 98  | 52.0  | 40.7  | 61.1  |

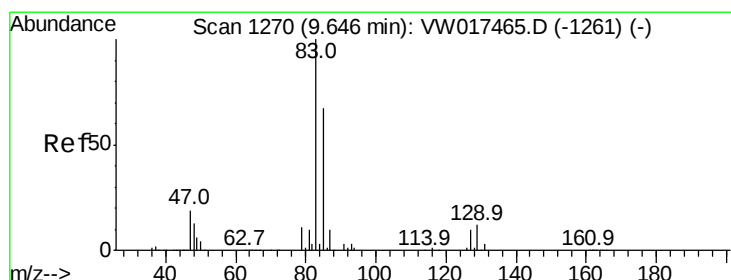
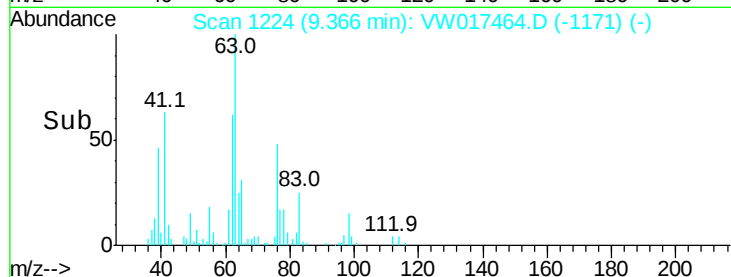
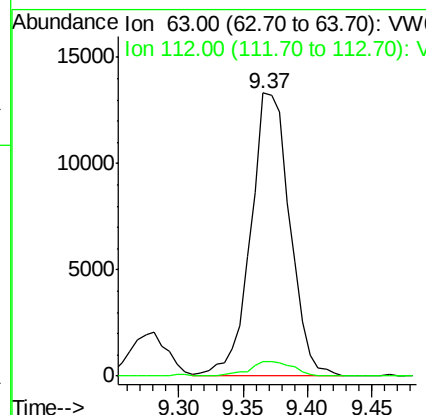
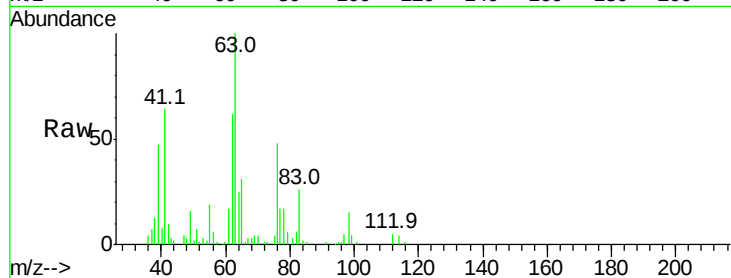




#40  
 1,2-Dichloropropane  
 Concen: 5.531 ug/L  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

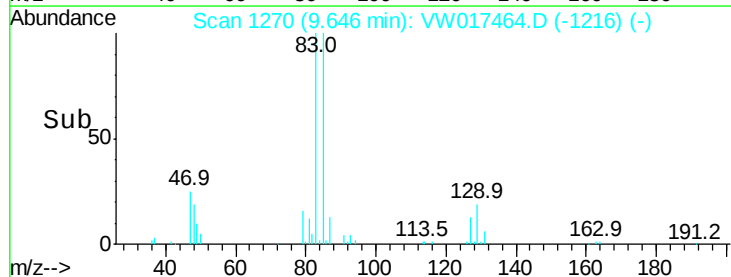
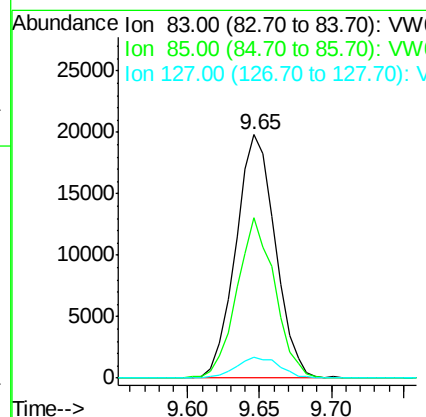
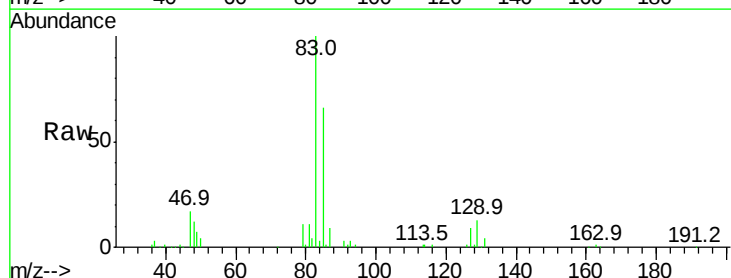
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00501

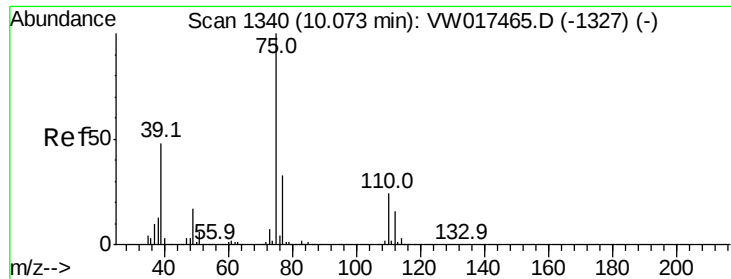
Tgt Ion: 63 Resp: 27908  
 Ion Ratio Lower Upper  
 63 100  
 112 5.8 4.2 6.4



#41  
 Bromodichloromethane  
 Concen: 5.376 ug/L  
 RT: 9.65 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

Tgt Ion: 83 Resp: 37865  
 Ion Ratio Lower Upper  
 83 100  
 85 66.0 46.8 86.8  
 127 8.7 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 5.113 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

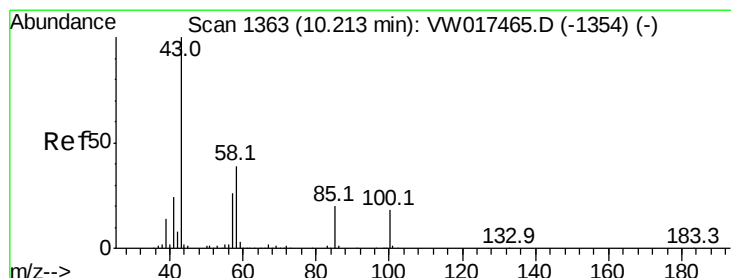
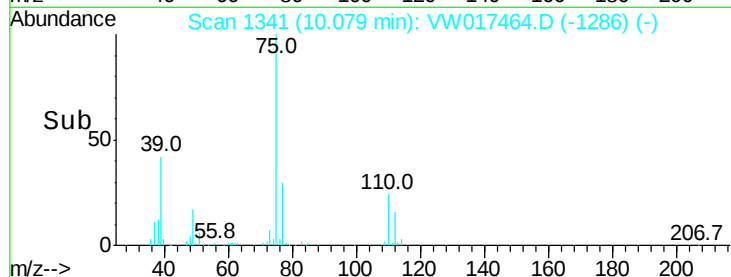
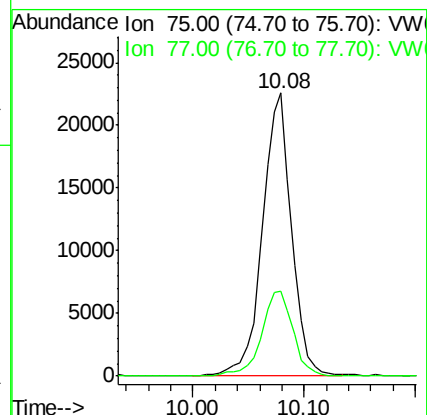
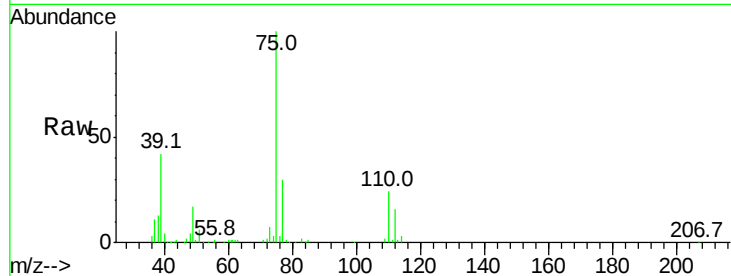
VSTD00501

Tgt Ion: 75 Resp: 41188

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 10.894 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

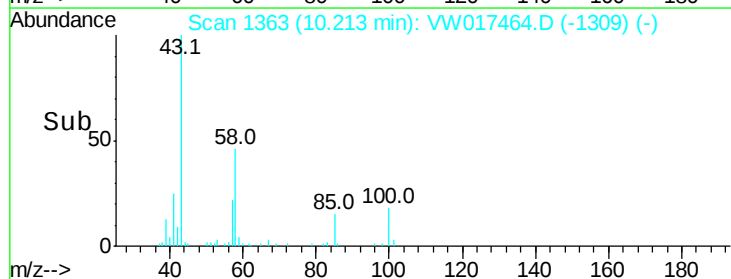
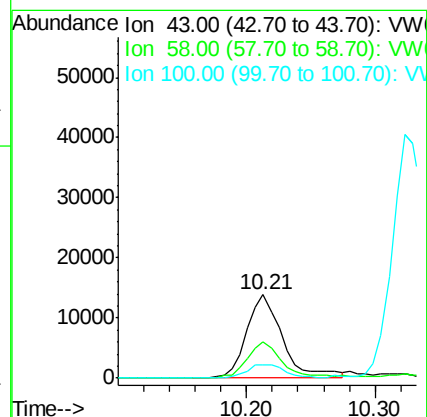
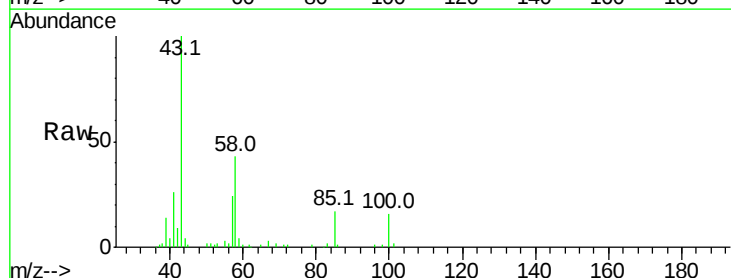
Tgt Ion: 43 Resp: 26830

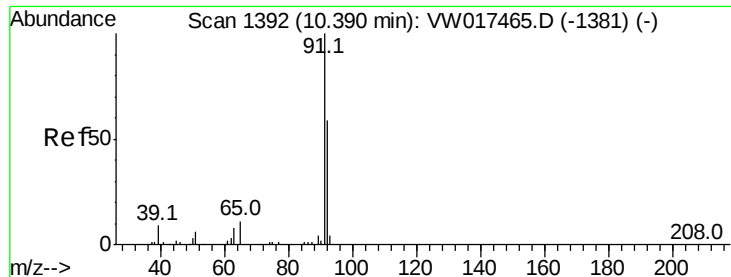
Ion Ratio Lower Upper

43 100

58 39.9 31.6 47.4

100 17.5 14.1 21.1





#44

Toluene

Concen: 5.183 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampled :

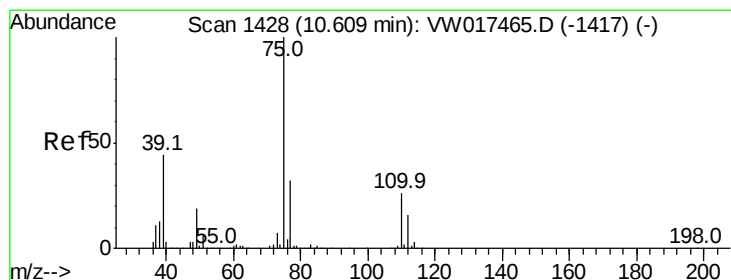
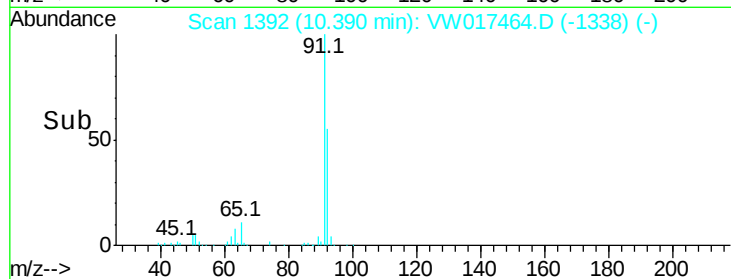
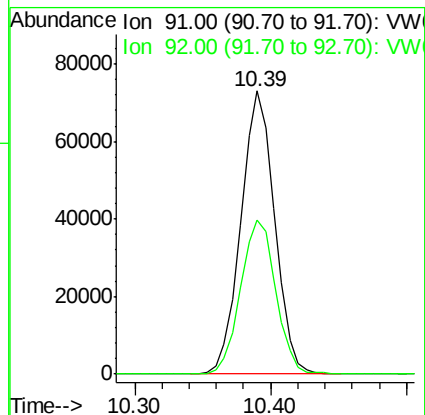
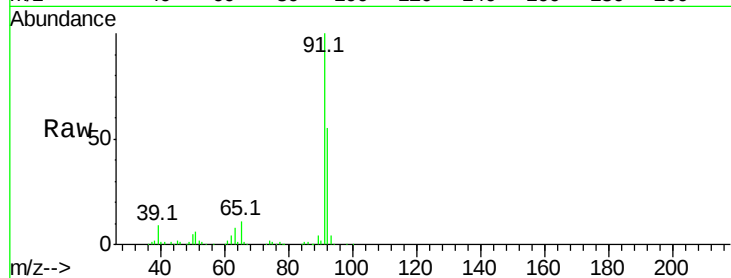
VSTD00501

Tgt Ion: 91 Resp: 126677

Ion Ratio Lower Upper

91 100

92 54.7 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 5.136 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017464.D

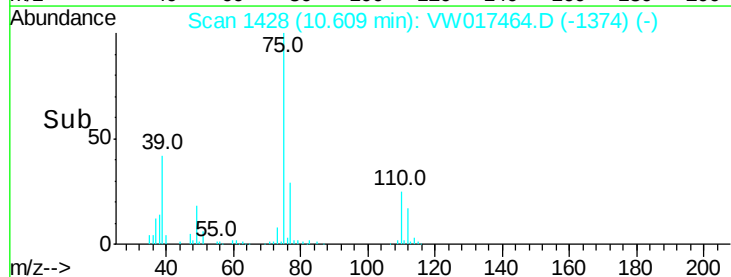
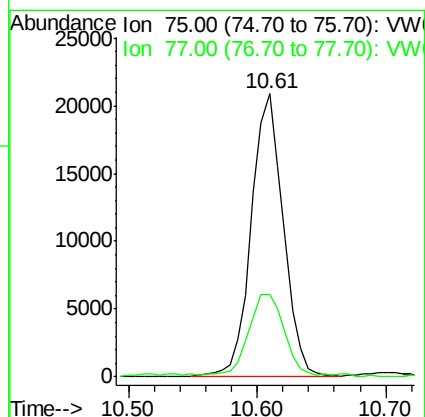
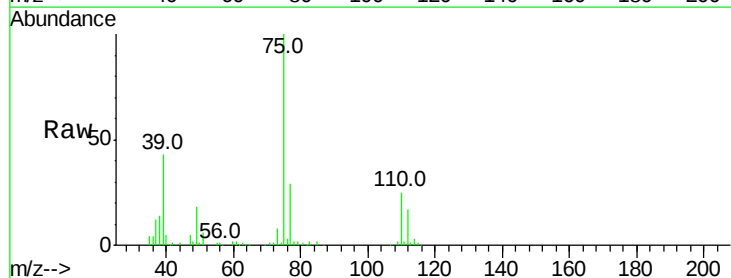
Acq: 24 Nov 2020 10:00

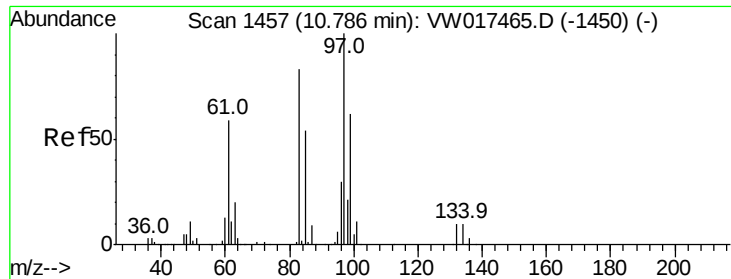
Tgt Ion: 75 Resp: 35825

Ion Ratio Lower Upper

75 100

77 29.2 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 5.072 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTD00501

Tgt Ion: 97 Resp: 21907

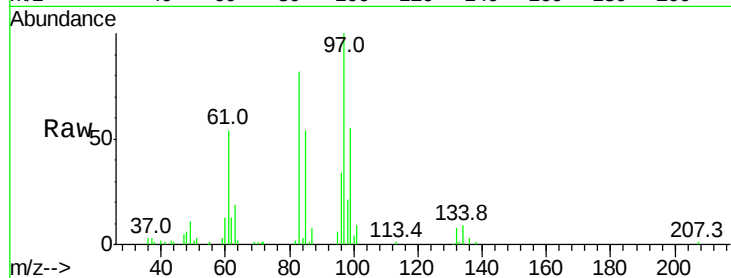
Ion Ratio Lower Upper

97 100

83 81.8 58.5 108.7

85 54.4 37.8 70.2

99 55.1 43.7 81.1

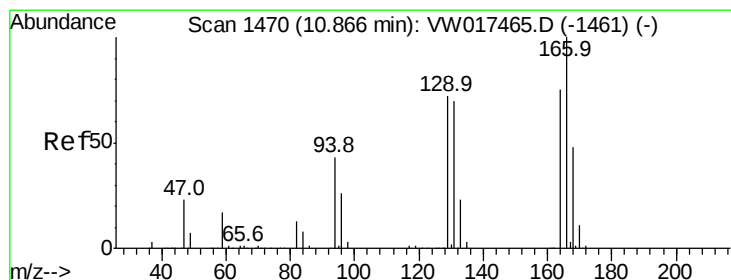
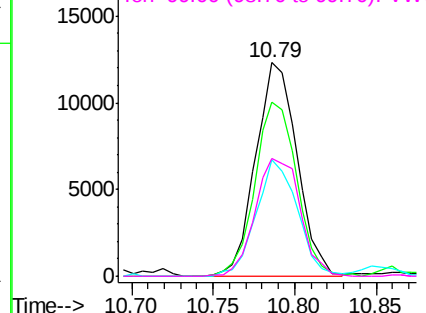
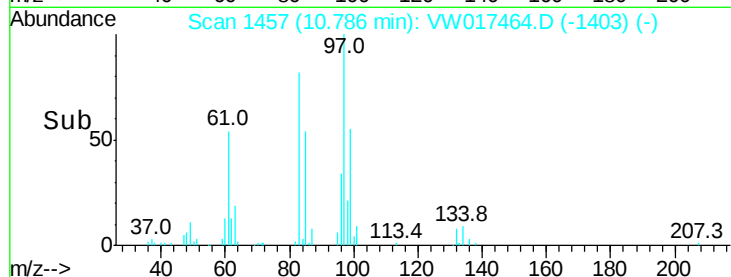


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 4.826 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Tgt Ion: 164 Resp: 28393

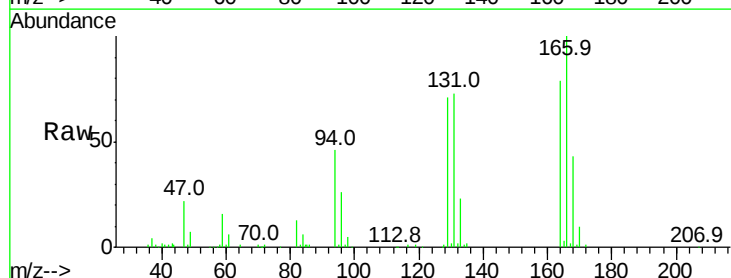
Ion Ratio Lower Upper

164 100

129 90.0 67.6 125.6

131 92.4 65.2 121.2

166 126.3 93.2 173.2

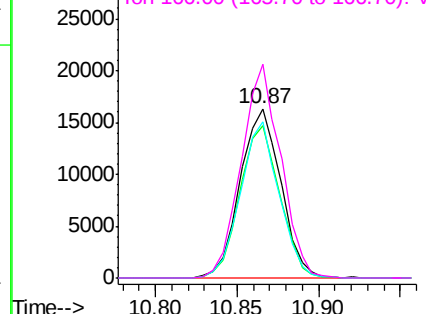
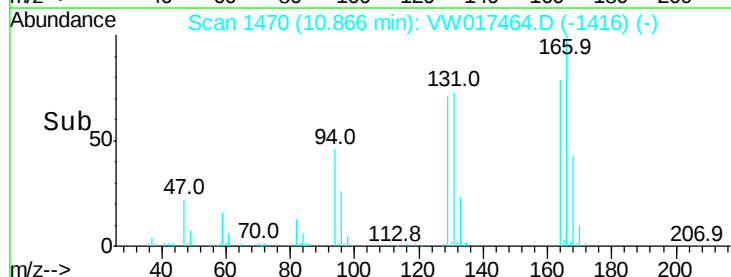


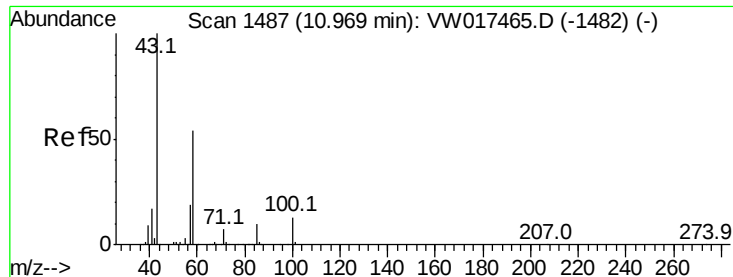
Abundance Ion 164.00 (163.70 to 164.70): V

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

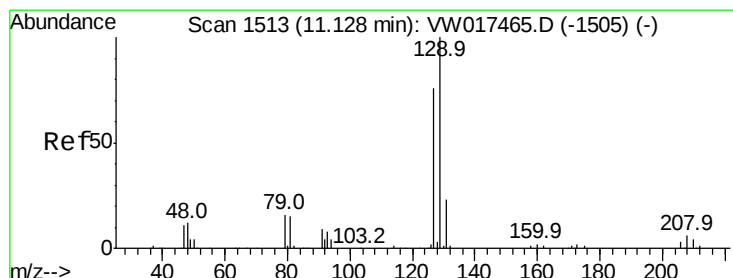
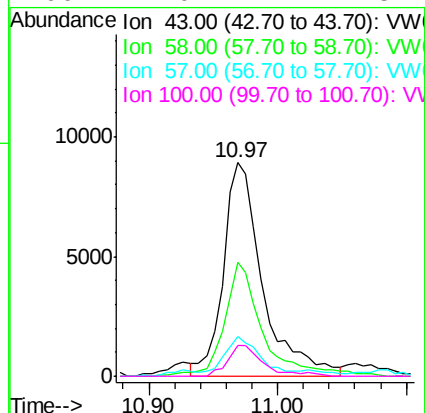
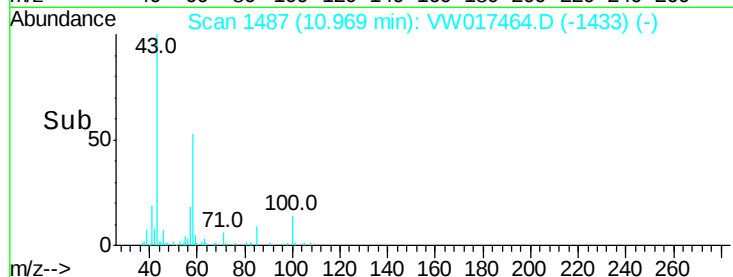
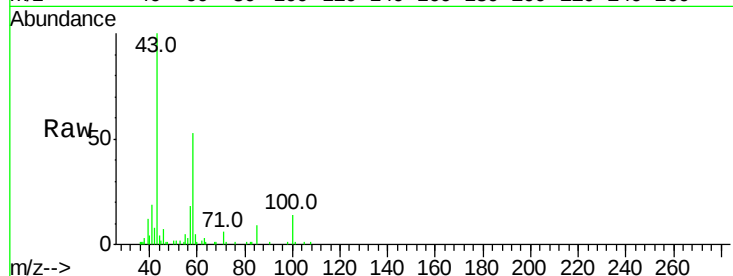




#49  
2-Hexanone  
Concen: 11.128 ug/L  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

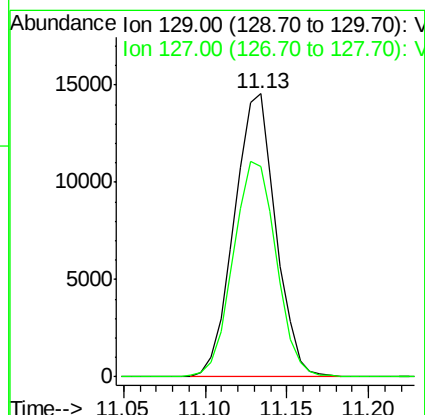
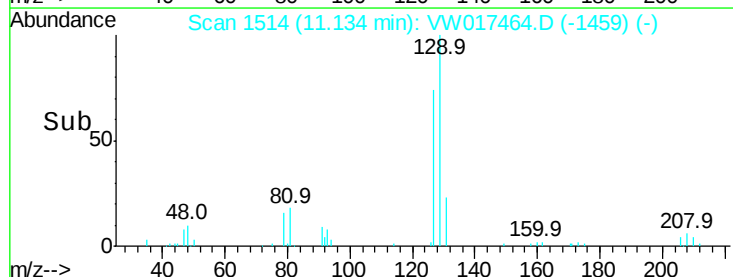
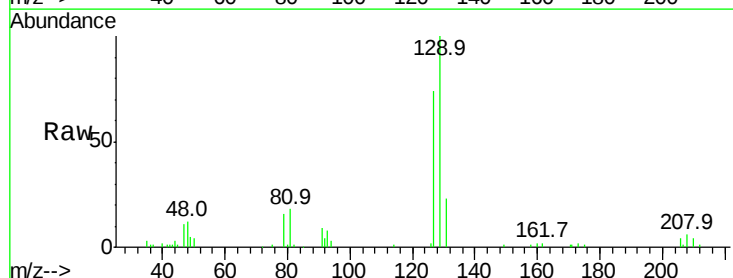
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD00501

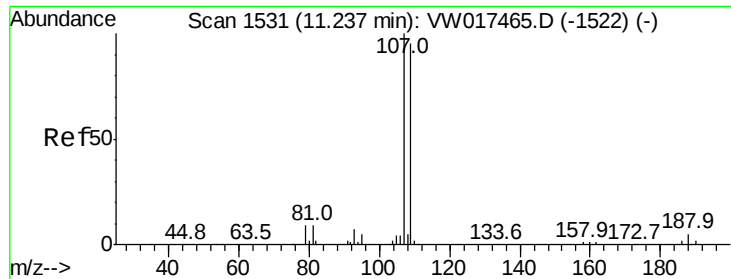
Tgt Ion: 43 Resp: 19057  
Ion Ratio Lower Upper  
43 100  
58 51.4 51.3 76.9  
57 15.4 15.0 22.6  
100 12.0 12.2 18.2#



#50  
Dibromochloromethane  
Concen: 4.878 ug/L  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.01 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion: 129 Resp: 25760  
Ion Ratio Lower Upper  
129 100  
127 74.4 53.2 98.8

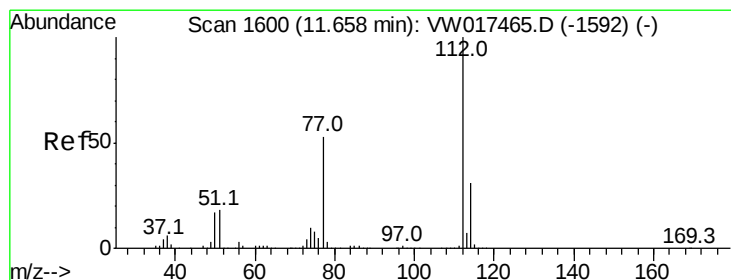
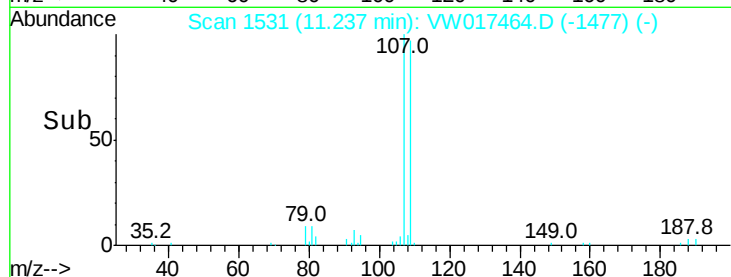
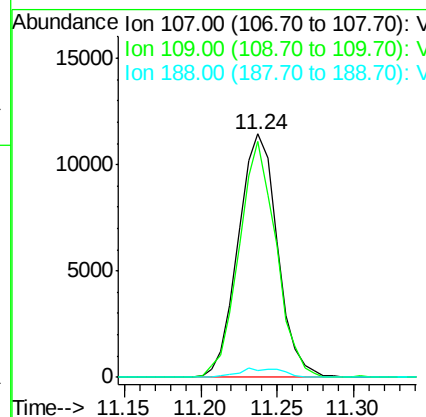
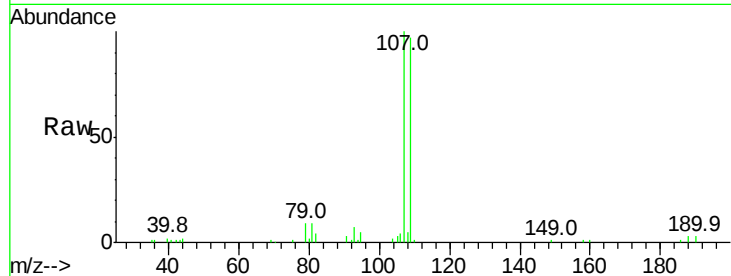




#51  
 1,2-Dibromoethane  
 Concen: 5.150 ug/L  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

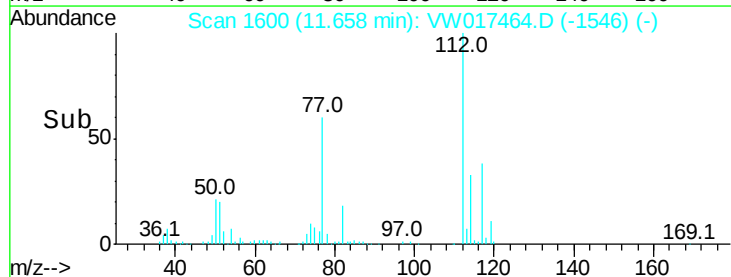
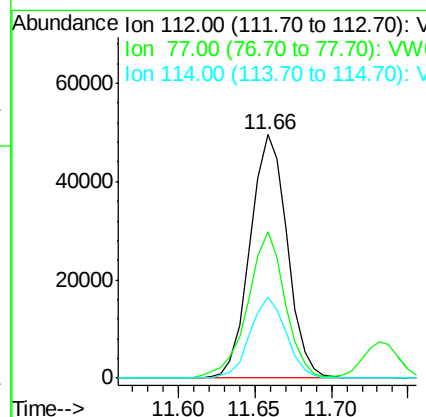
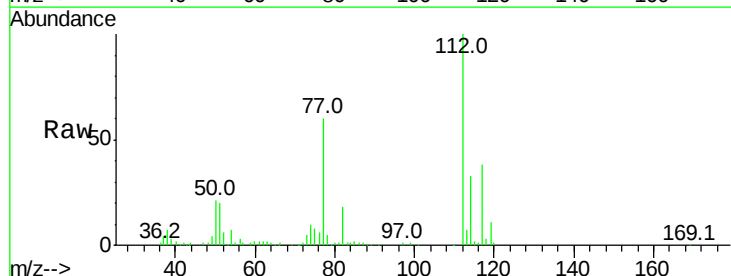
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00501

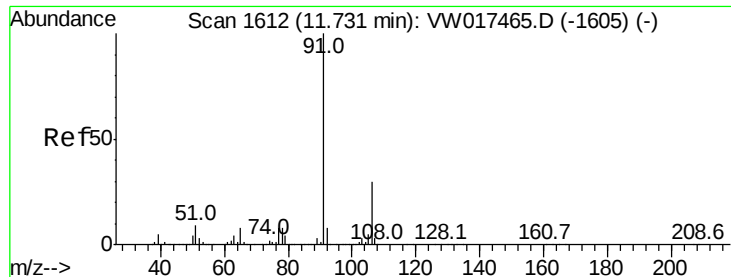
Tgt Ion:107 Resp: 20395  
 Ion Ratio Lower Upper  
 107 100  
 109 96.7 66.4 123.2  
 188 3.0 4.0 6.0#



#52  
 Chlorobenzene  
 Concen: 5.274 ug/L  
 RT: 11.66 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

Tgt Ion:112 Resp: 83489  
 Ion Ratio Lower Upper  
 112 100  
 77 59.9 42.6 64.0  
 114 33.1 21.6 40.2

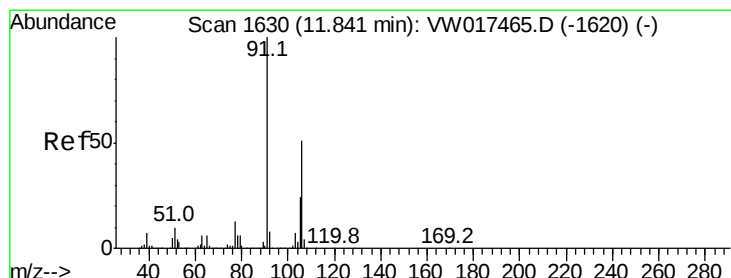
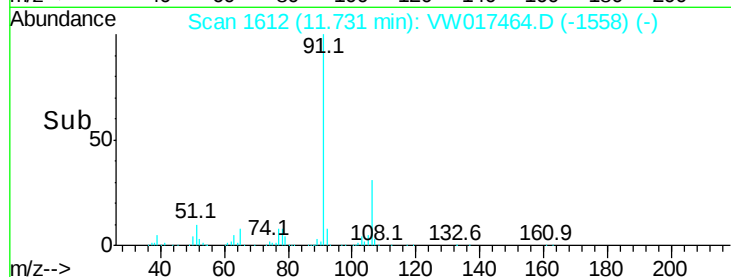
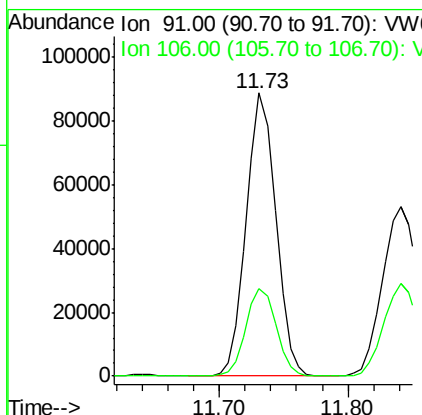
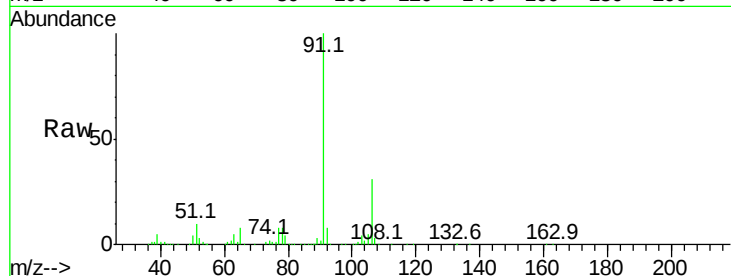




#53  
Ethylbenzene  
Concen: 5.339 ug/L  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

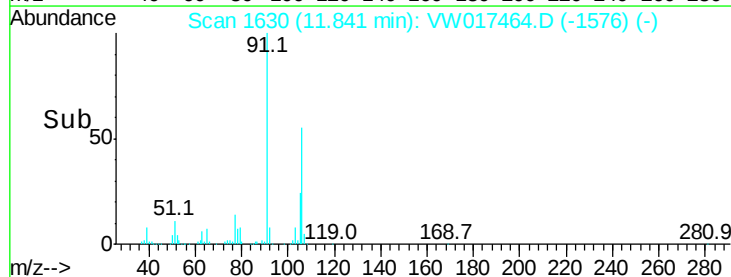
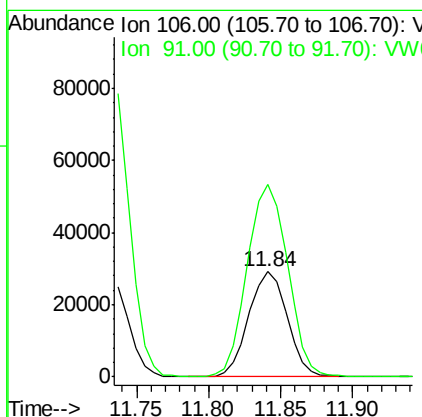
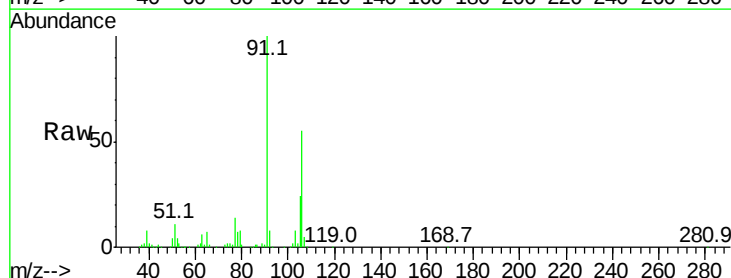
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD00501

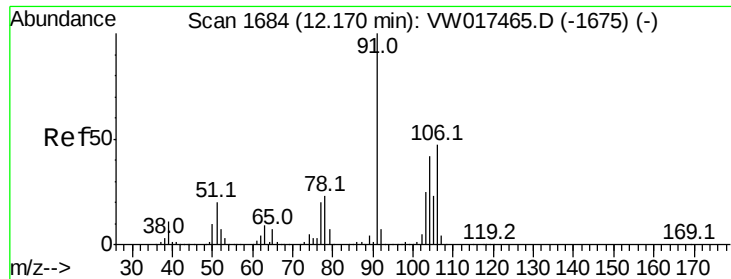
Tgt Ion: 91 Resp: 141612  
Ion Ratio Lower Upper  
91 100  
106 30.8 21.1 39.1



#54  
m,p-Xylene  
Concen: 5.228 ug/L  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion: 106 Resp: 54268  
Ion Ratio Lower Upper  
106 100  
91 182.5 136.4 253.4

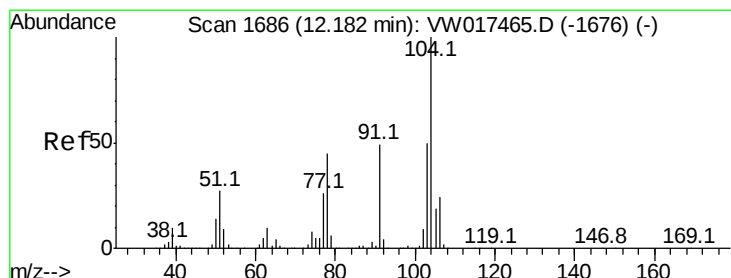
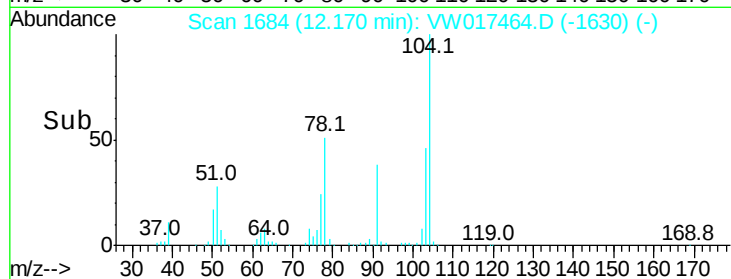
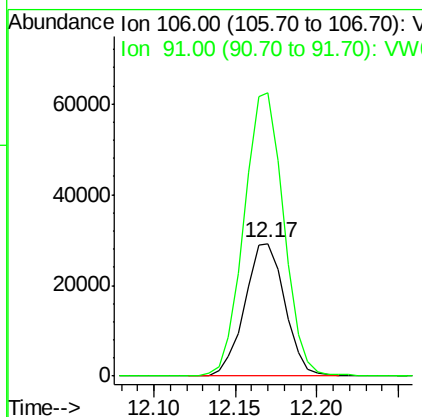
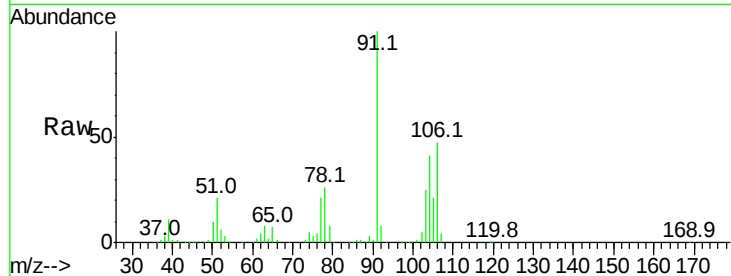




#55  
o-xylene  
Concen: 4.980 ug/L  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

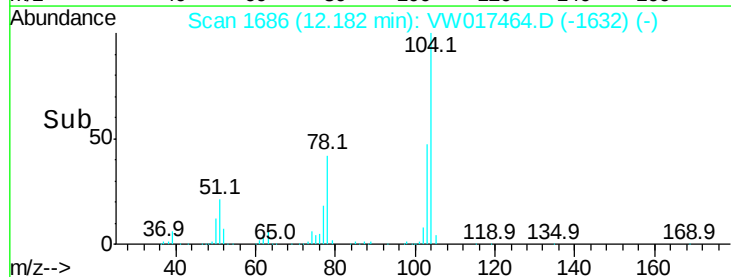
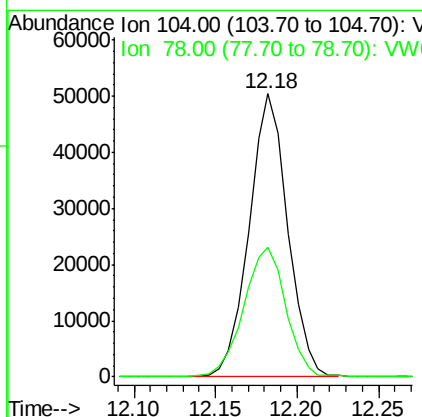
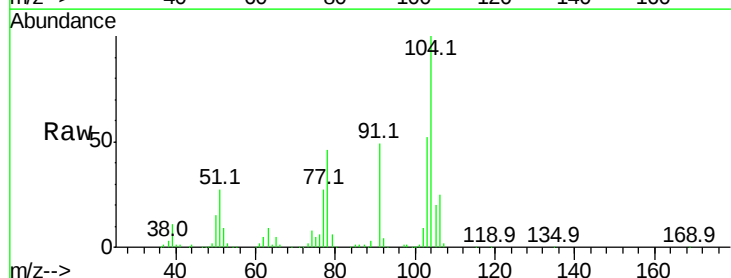
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD00501

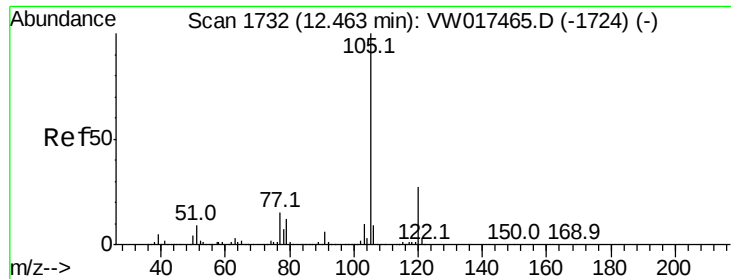
Tgt Ion:106 Resp: 50158  
Ion Ratio Lower Upper  
106 100  
91 213.6 147.6 274.2



#56  
Styrene  
Concen: 4.813 ug/L  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW017464.D  
Acq: 24 Nov 2020 10:00

Tgt Ion:104 Resp: 82527  
Ion Ratio Lower Upper  
104 100  
78 46.1 31.3 58.1





#57

Isopropylbenzene

Concen: 4.827 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampled :

VSTD00501

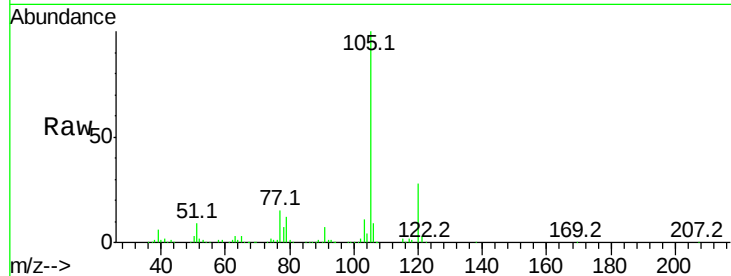
Tgt Ion: 105 Resp: 135408

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

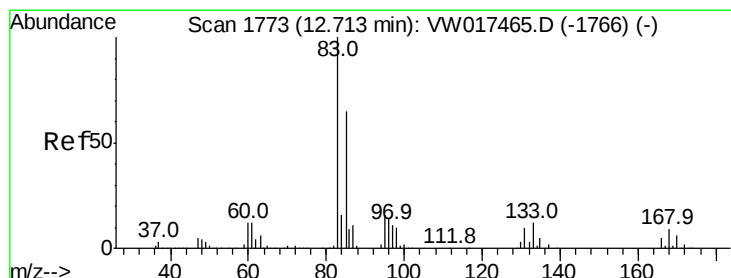
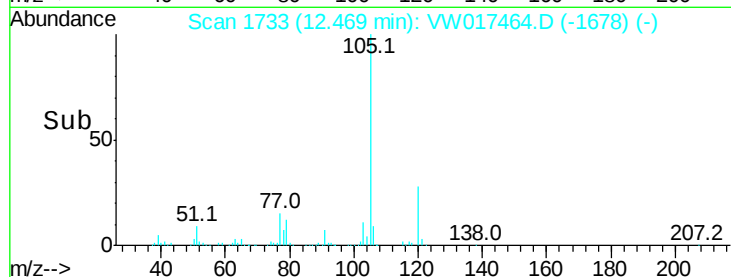
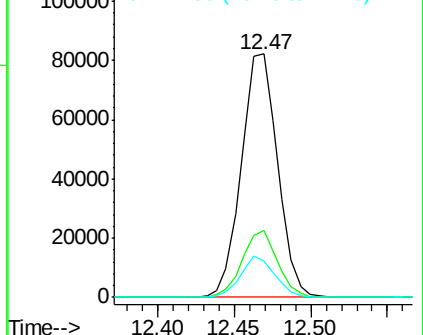
77 15.8 12.1 18.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.206 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

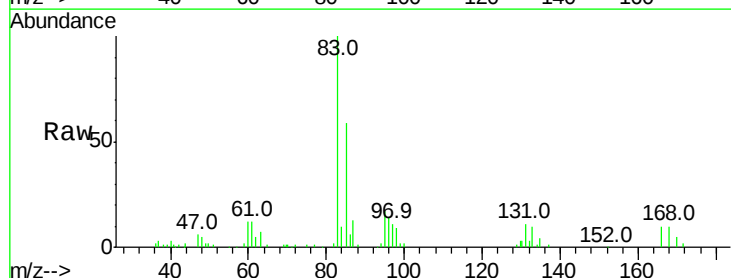
Tgt Ion: 83 Resp: 24090

Ion Ratio Lower Upper

83 100

85 58.7 45.3 84.1

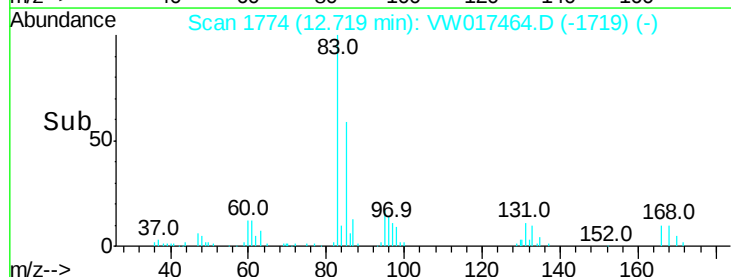
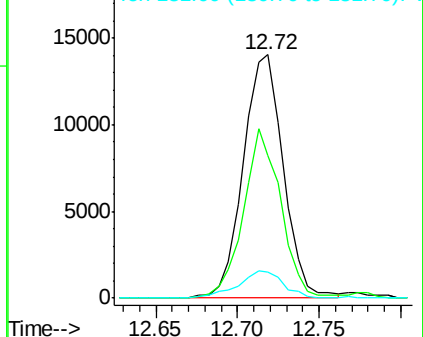
131 10.6 8.3 12.5

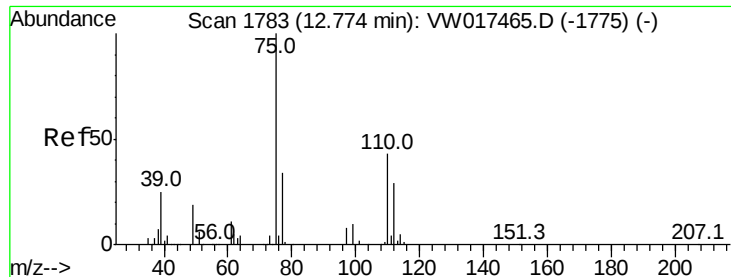


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.249 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampled :

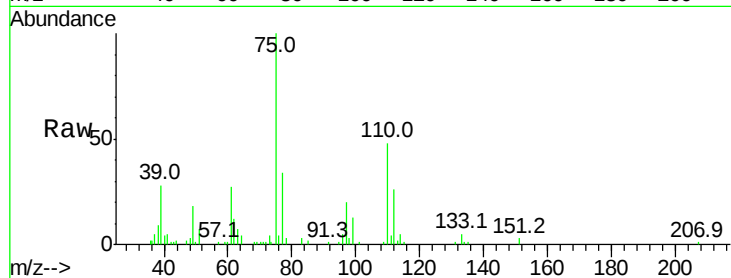
VSTD00501

Tgt Ion: 75 Resp: 17364

Ion Ratio Lower Upper

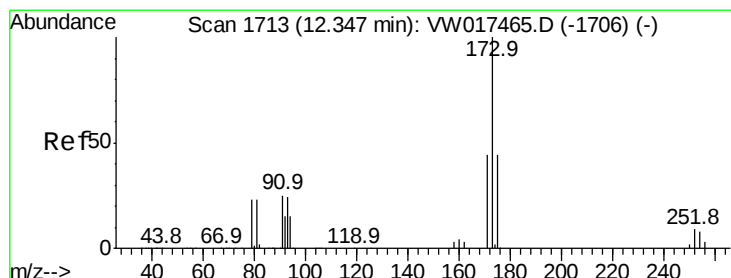
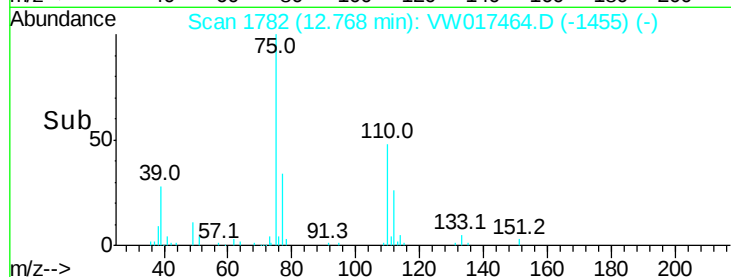
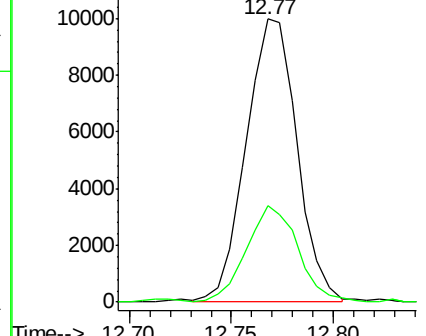
75 100

77 34.4 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 5.082 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

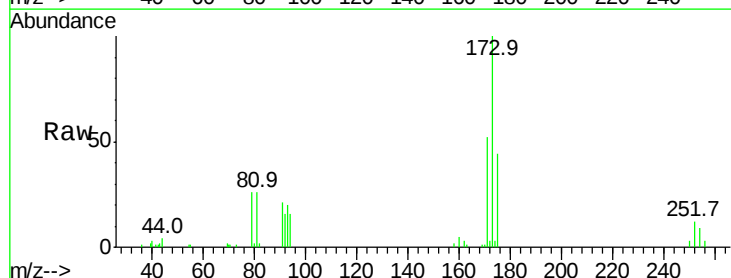
Tgt Ion: 173 Resp: 14368

Ion Ratio Lower Upper

173 100

175 46.2 39.1 58.7

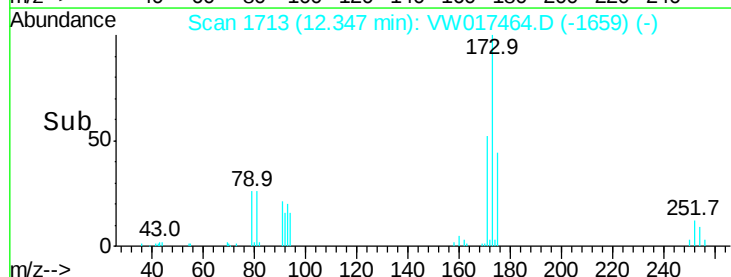
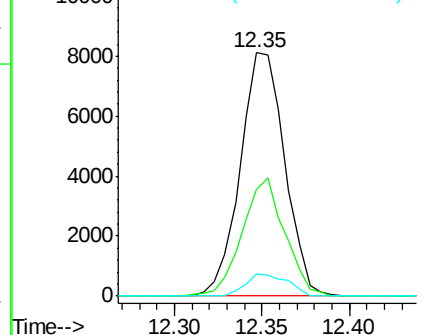
254 8.4 7.1 10.7

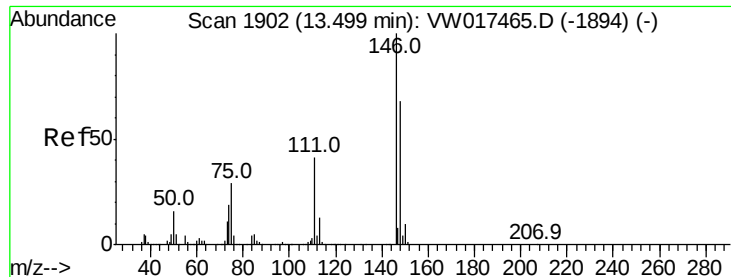


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

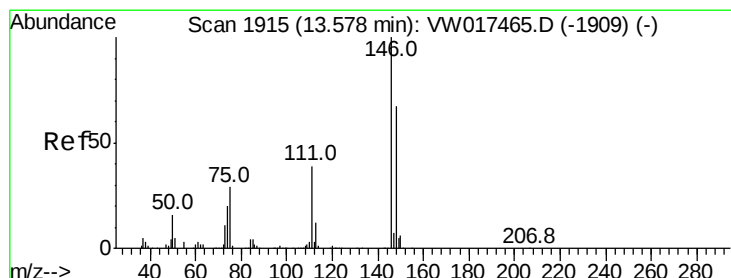
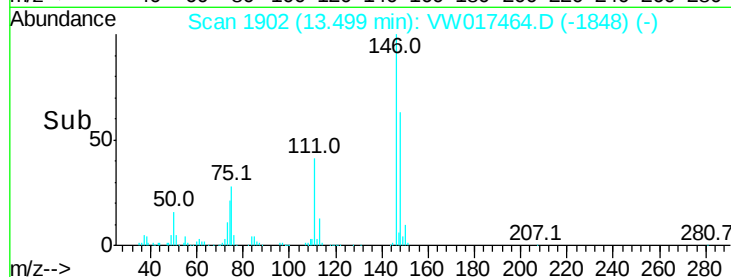
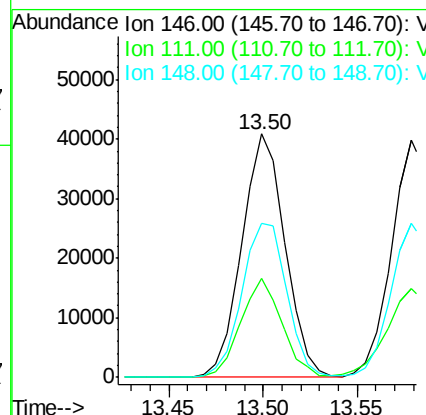
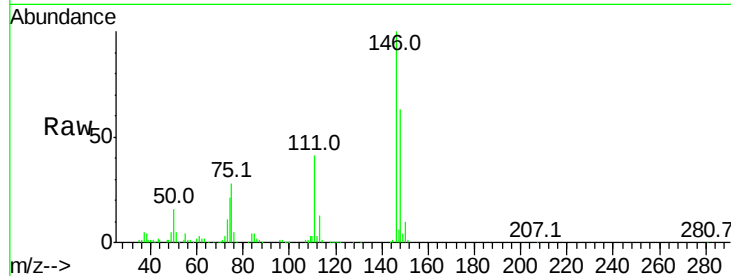




#63  
 1,3-Dichlorobenzene  
 Concen: 5.317 ug/L  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

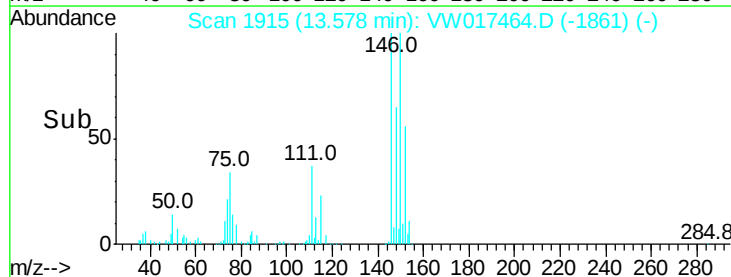
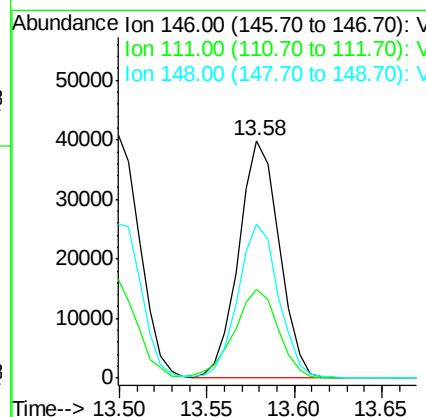
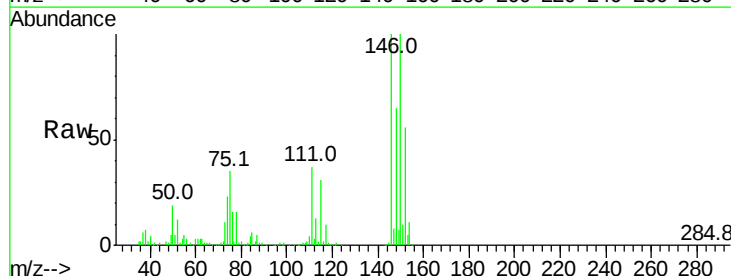
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00501

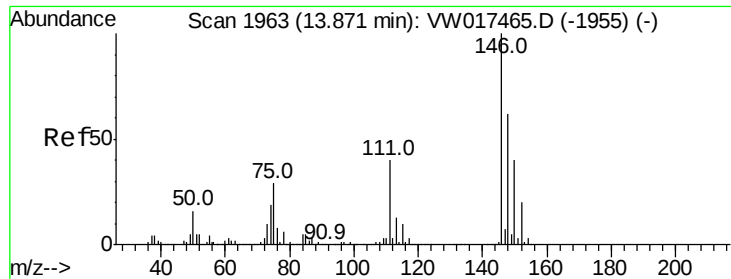
Tgt Ion:146 Resp: 64902  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 28.5 52.9  
 148 63.4 47.8 88.8



#64  
 1,4-Dichlorobenzene  
 Concen: 5.247 ug/L  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

Tgt Ion:146 Resp: 64442  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 27.7 51.5  
 148 64.9 47.0 87.2

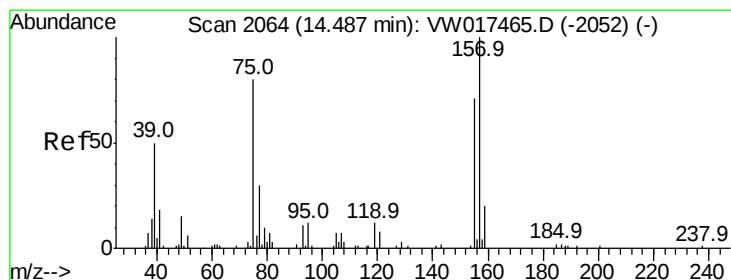
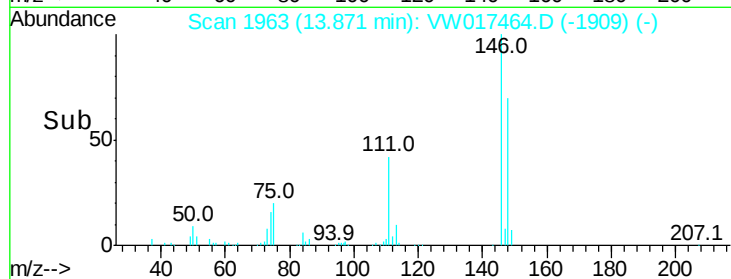
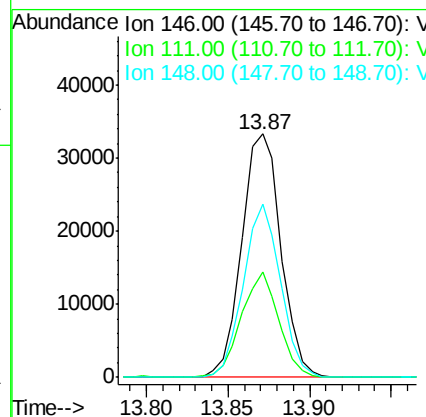
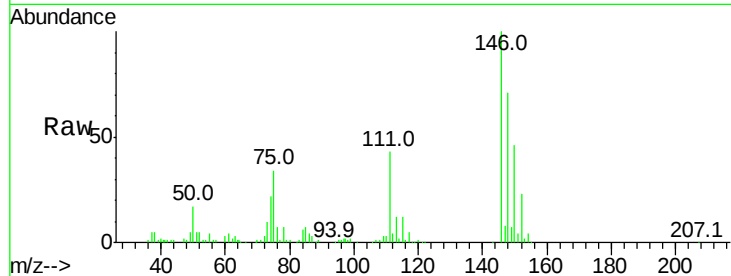




#65  
 1,2-Dichlorobenzene  
 Concen: 5.083 ug/L  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

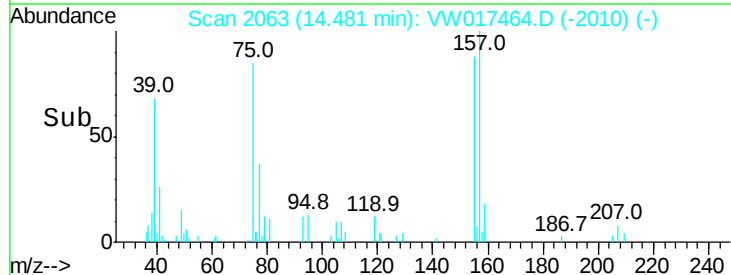
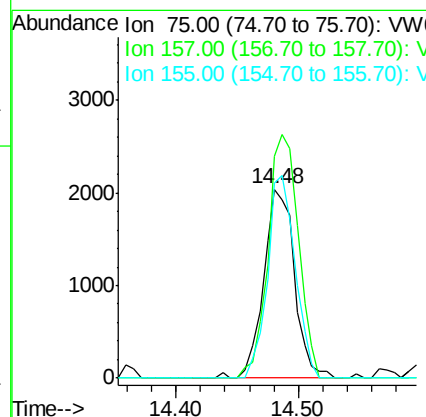
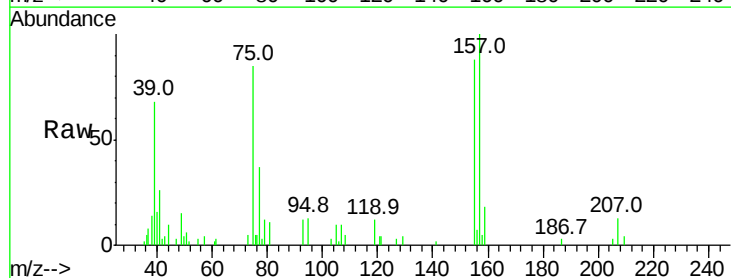
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00501

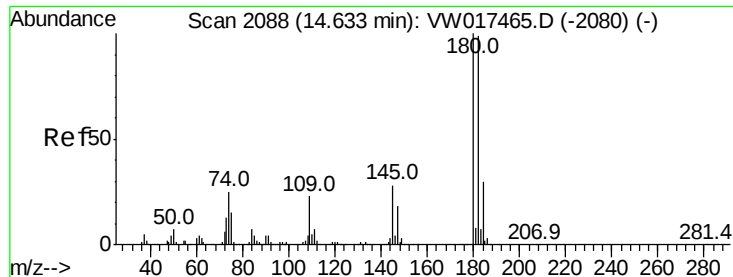
Tgt Ion:146 Resp: 55655  
 Ion Ratio Lower Upper  
 146 100  
 111 43.2 31.7 47.5  
 148 71.0 49.3 73.9



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 5.550 ug/L  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.01 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

Tgt Ion: 75 Resp: 3564  
 Ion Ratio Lower Upper  
 75 100  
 157 117.5 99.9 149.9  
 155 103.1 71.4 107.0

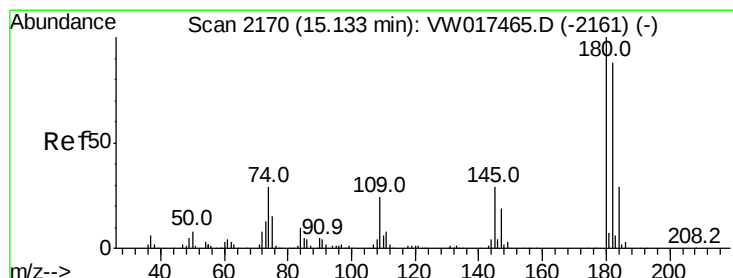
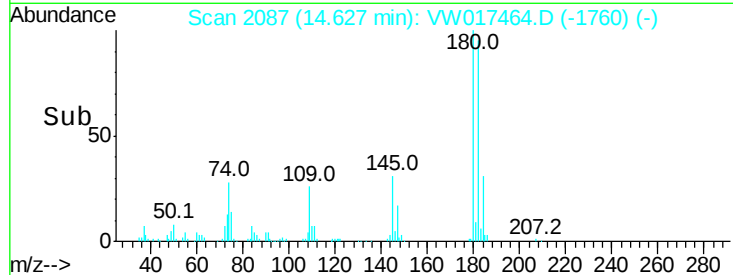
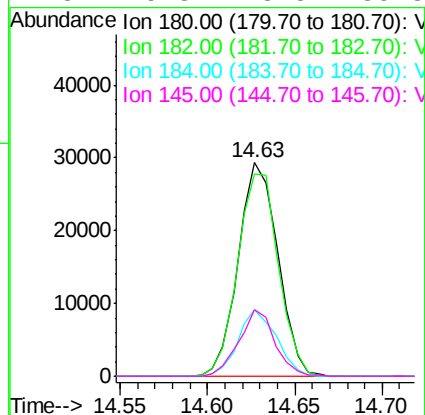
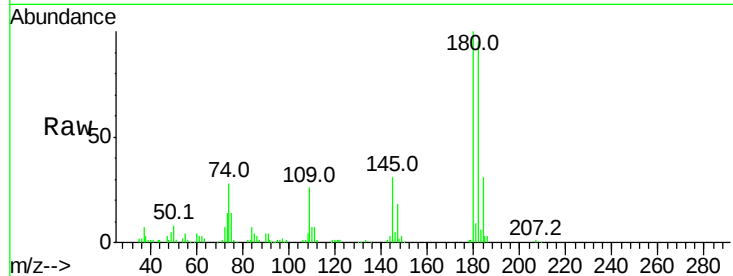




#67  
 1,3,5-Trichlorobenzene  
 Concen: 5.071 ug/L  
 RT: 14.63 min Scan# 2087  
 Delta R.T. -0.01 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

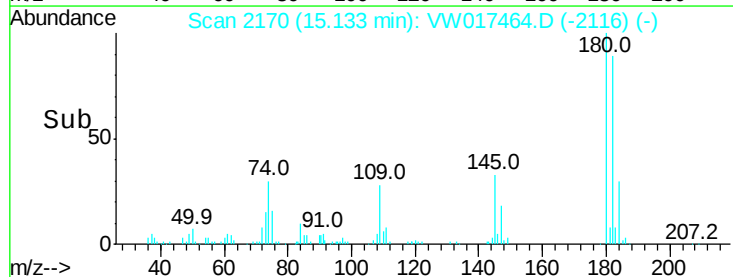
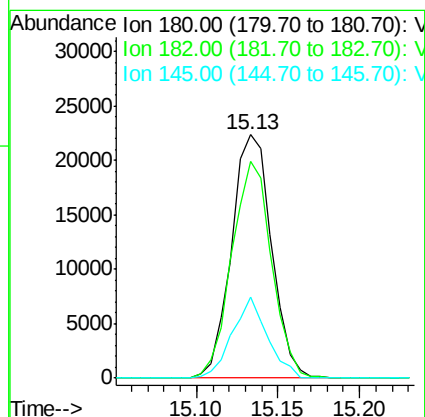
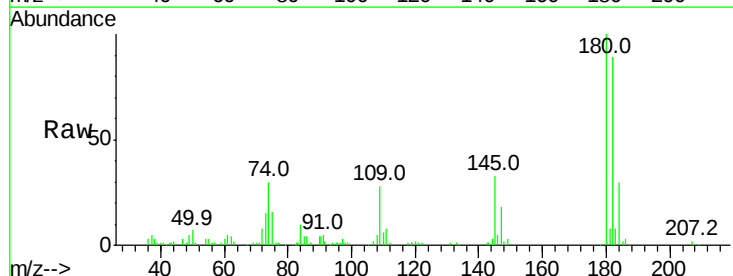
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00501

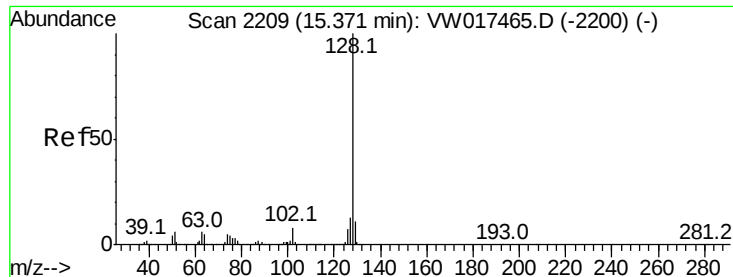
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 46411 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.5  | 77.0  | 115.6 |
| 184       | 30.3  | 24.2  | 36.4  |
| 145       | 28.3  | 23.5  | 35.3  |



#68  
 1,2,4-trichlorobenzene  
 Concen: 4.717 ug/L  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW017464.D  
 Acq: 24 Nov 2020 10:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 38260 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 88.3  | 71.3  | 106.9 |
| 145       | 29.0  | 24.0  | 36.0  |





#69

Naphthalene

Concen: 4.514 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTD00501

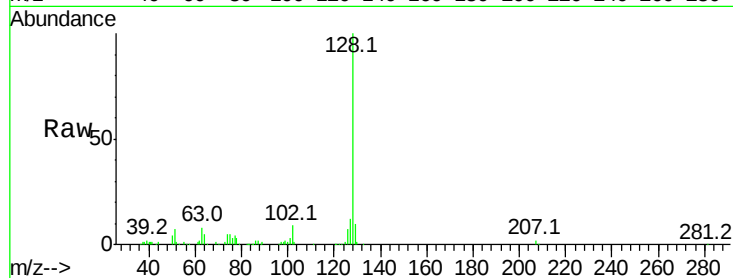
Tgt Ion:128 Resp: 56432

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

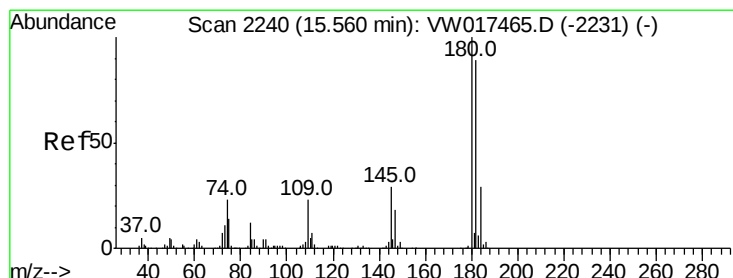
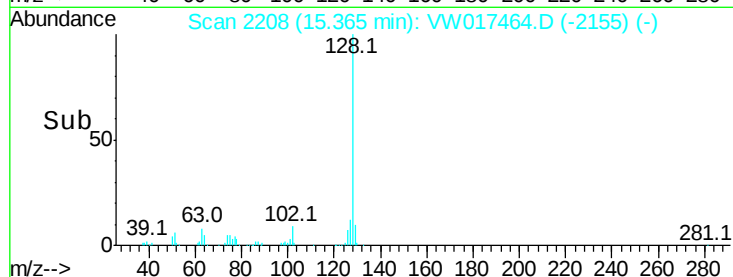
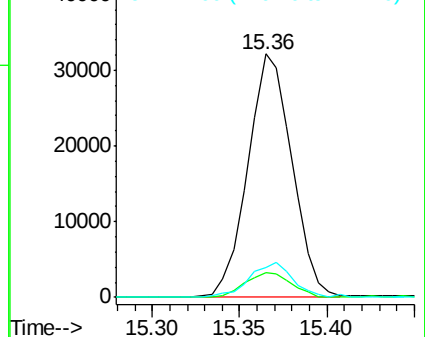
127 14.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.322 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017464.D

Acq: 24 Nov 2020 10:00

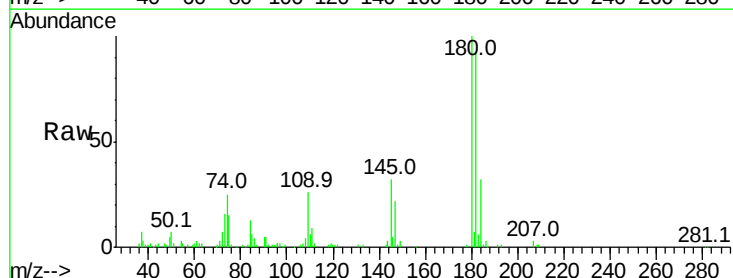
Tgt Ion:180 Resp: 31130

Ion Ratio Lower Upper

180 100

182 100.1 74.7 112.1

145 33.4 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

