

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\  
 Data File : VX019205.D  
 Acq On : 02 Nov 2020 11:16  
 Operator : JC/MD  
 Sample : VSTD01033  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 02 12:57:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXLM110220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 02 12:49:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.82  | 114  | 488226   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.09 | 117  | 438786   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 197441   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |       |
|--------------------------------|-------|-----|--------|-------|------|-------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 35348  | 10.40 | ug/L | 0.00  |
| 7) Chloroethane-d5             | 1.70  | 69  | 26463  | 10.24 | ug/L | 0.00  |
| 11) 1,1-Dichloroethene-d2      | 2.35  | 63  | 57501  | 8.70  | ug/L | 0.00  |
| 21) 2-Butanone-d5              | 4.53  | 46  | 34267  | 16.05 | ug/L | 0.00  |
| 24) Chloroform-d               | 5.13  | 84  | 56640  | 9.06  | ug/L | -0.01 |
| 26) 1,2-Dichloroethane-d4      | 6.03  | 65  | 43174  | 9.37  | ug/L | 0.00  |
| 32) Benzene-d6                 | 6.04  | 84  | 114496 | 9.84  | ug/L | 0.00  |
| 36) 1,2-Dichloropropane-d6     | 7.37  | 67  | 34071  | 9.50  | ug/L | 0.00  |
| 41) Toluene-d8                 | 8.70  | 98  | 123168 | 10.81 | ug/L | 0.00  |
| 43) trans-1,3-Dichloropropene- | 8.99  | 79  | 17147  | 8.47  | ug/L | 0.00  |
| 47) 2-Hexanone-d5              | 9.42  | 63  | 25677  | 17.23 | ug/L | 0.00  |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23 | 84  | 36651  | 7.76  | ug/L | 0.00  |
| 66) 1,2-Dichlorobenzene-d4     | 12.36 | 152 | 33020  | 8.69  | ug/L | 0.00  |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 26186  | 6.544 ug/L   | 99     |
| 3) Chloromethane               | 1.31 | 50  | 27284  | 8.451 ug/L   | 98     |
| 5) Vinyl chloride              | 1.39 | 62  | 30095  | 8.402 ug/L   | 99     |
| 6) Bromomethane                | 1.64 | 94  | 19792  | 9.833 ug/L   | 99     |
| 8) Chloroethane                | 1.72 | 64  | 19153  | 8.944 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 44281  | 7.494 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101 | 25247  | 7.791 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 24731  | 8.098 ug/L # | 73     |
| 13) Acetone                    | 2.42 | 43  | 22580  | 14.554 ug/L  | 99     |
| 14) Carbon disulfide           | 2.55 | 76  | 74061  | 8.003 ug/L   | 99     |
| 15) Methyl Acetate             | 2.75 | 43  | 24046  | 7.342 ug/L   | 98     |
| 16) Methylene chloride         | 2.83 | 84  | 27085  | 8.041 ug/L   | 94     |
| 17) trans-1,2-Dichloroethene   | 3.14 | 96  | 25854  | 7.977 ug/L   | 97     |
| 18) Methyl tert-butyl Ether    | 3.16 | 73  | 82310  | 7.955 ug/L   | 100    |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 47210  | 7.922 ug/L   | 98     |
| 20) cis-1,2-Dichloroethene     | 4.56 | 96  | 28530  | 8.031 ug/L   | 99     |
| 22) 2-Butanone                 | 4.63 | 43  | 34743  | 14.779 ug/L  | 99     |
| 23) Bromochloromethane         | 4.98 | 128 | 14589  | 7.648 ug/L   | 92     |
| 25) Chloroform                 | 5.17 | 83  | 49027  | 7.451 ug/L   | 91     |
| 27) 1,2-Dichloroethane         | 6.16 | 62  | 38720  | 7.367 ug/L   | 99     |
| 29) Cyclohexane                | 5.54 | 56  | 42746  | 8.778 ug/L   | 99     |
| 30) 1,1,1-Trichloroethane      | 5.46 | 97  | 44312  | 7.651 ug/L   | 99     |
| 31) Carbon tetrachloride       | 5.75 | 117 | 37753  | 7.305 ug/L   | 99     |
| 33) Benzene                    | 6.11 | 78  | 108621 | 8.781 ug/L   | 100    |
| 34) Trichloroethene            | 7.18 | 95  | 28647  | 8.316 ug/L   | 97     |
| 35) Methylcyclohexane          | 7.43 | 83  | 45473  | 8.969 ug/L   | 98     |
| 37) 1,2-Dichloropropane        | 7.49 | 63  | 26806  | 8.278 ug/L   | 100    |
| 38) Bromodichloromethane       | 7.87 | 83  | 35699  | 7.754 ug/L   | 100    |
| 39) cis-1,3-Dichloropropene    | 8.41 | 75  | 42235  | 8.072 ug/L   | 98     |
| 40) 4-Methyl-2-pentanone       | 8.62 | 43  | 61857  | 14.685 ug/L  | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\  
 Data File : VX019205.D  
 Acq On : 02 Nov 2020 11:16  
 Operator : JC/MD  
 Sample : VSTD01033  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

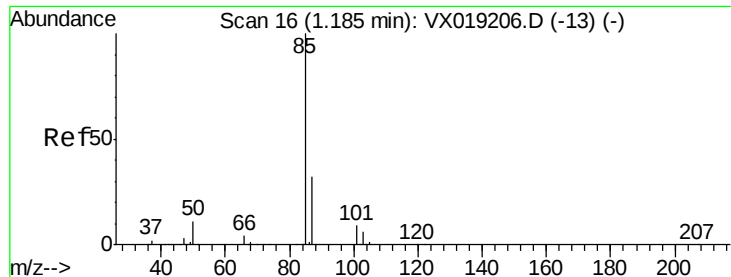
Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 02 12:57:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXLM110220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 02 12:49:52 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 8.76  | 91   | 115980   | 8.710  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 9.02  | 75   | 40898    | 7.716  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 9.20  | 97   | 25892    | 8.269  | ug/L  | 99       |
| 46) Tetrachloroethene          | 9.32  | 164  | 22024    | 7.927  | ug/L  | 97       |
| 48) 2-Hexanone                 | 9.47  | 43   | 47592    | 14.301 | ug/L  | 97       |
| 49) Dibromochloromethane       | 9.56  | 129  | 26478    | 6.854  | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 9.65  | 107  | 26240    | 7.658  | ug/L  | 99       |
| 51) Chlorobenzene              | 10.12 | 112  | 71529    | 8.088  | ug/L  | 98       |
| 52) Ethylbenzene               | 10.23 | 91   | 122909   | 8.302  | ug/L  | 99       |
| 53) m,p-Xylene                 | 10.34 | 106  | 44862    | 7.988  | ug/L  | 97       |
| 54) o-Xylene                   | 10.68 | 106  | 42889    | 7.934  | ug/L  | 92       |
| 55) Styrene                    | 10.70 | 104  | 69711    | 7.484  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 32466    | 6.861  | ug/L  | 98       |
| 59) Bromoform                  | 10.84 | 173  | 16312    | 6.450  | ug/L  | 97       |
| 60) Isopropylbenzene           | 11.00 | 105  | 116104   | 9.006  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane     | 11.28 | 75   | 27897    | 7.787  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 91285    | 8.579  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 84574    | 7.935  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene        | 12.01 | 146  | 48863    | 7.875  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene        | 12.08 | 146  | 49924    | 7.971  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene        | 12.37 | 146  | 47914    | 8.018  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 7293     | 7.101  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 34263    | 8.219  | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene     | 13.63 | 180  | 30741    | 7.986  | ug/L  | 99       |
| 71) Naphthalene                | 13.82 | 128  | 91771    | 7.646  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 29581    | 7.791  | ug/L  | 98       |

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





#2

Dichlorodifluoromethane

Concen: 6.544 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

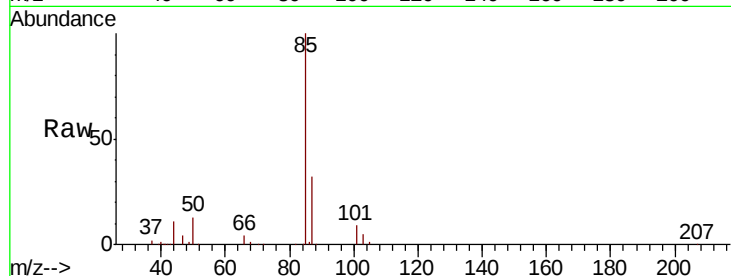
ClientSampleId :

Tot Ion: 85 Resp: 26186

Ion Ratio Lower Upper

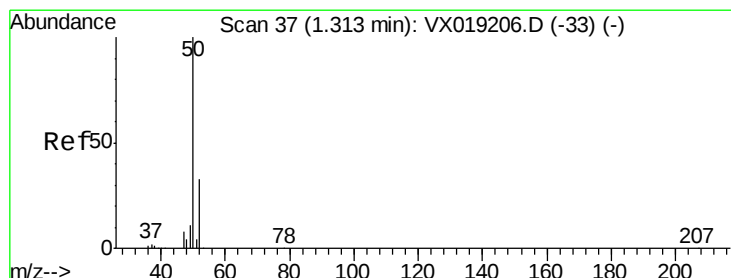
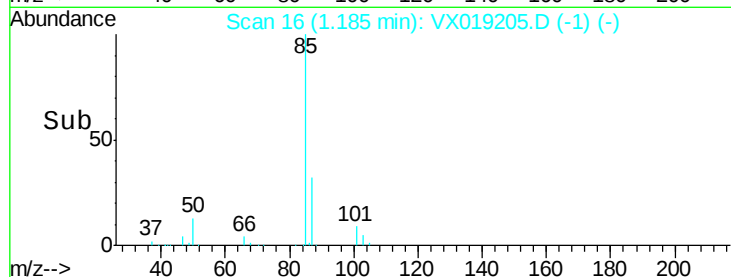
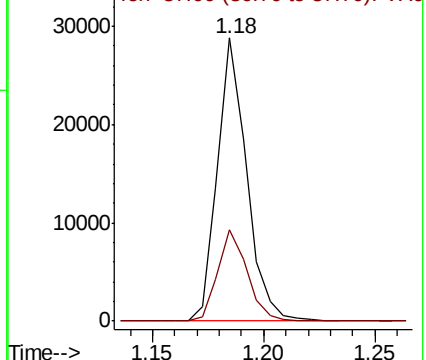
85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 8.451 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019205.D

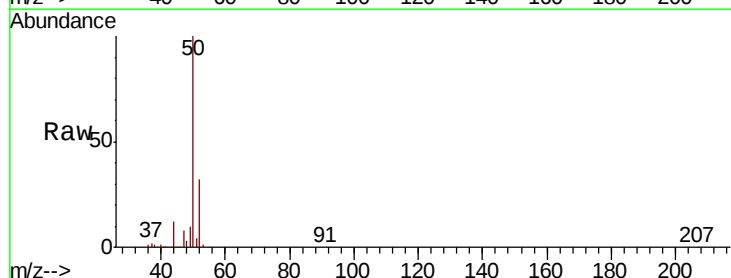
Acq: 02 Nov 2020 11:16

Tgt Ion: 50 Resp: 27284

Ion Ratio Lower Upper

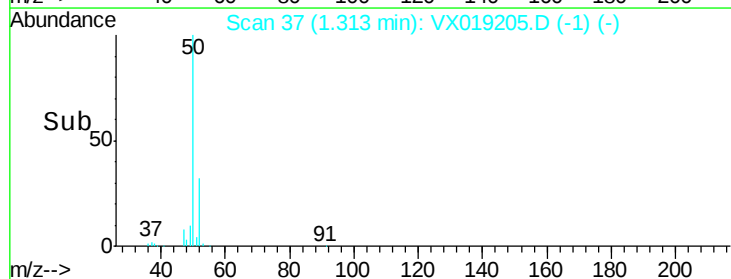
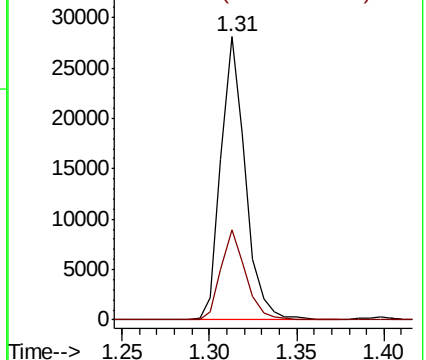
50 100

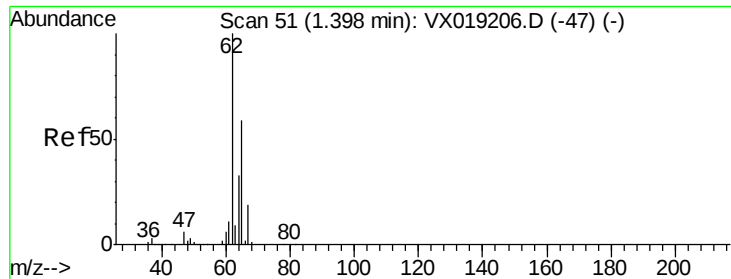
52 31.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 8.402 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

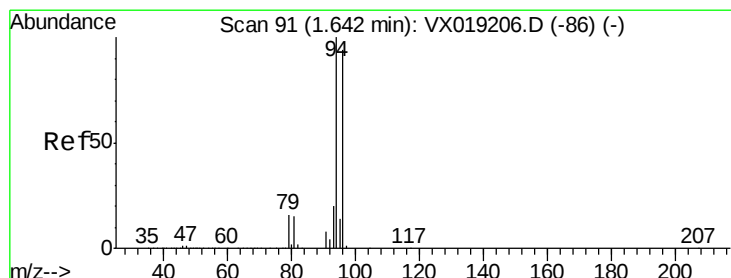
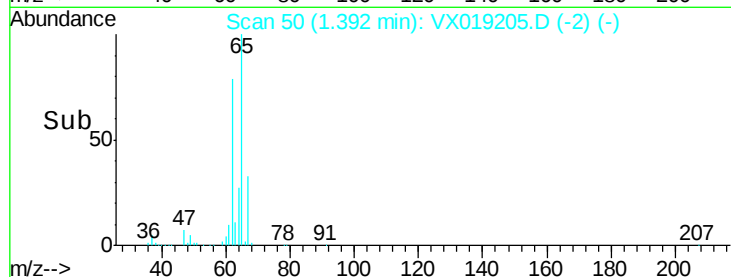
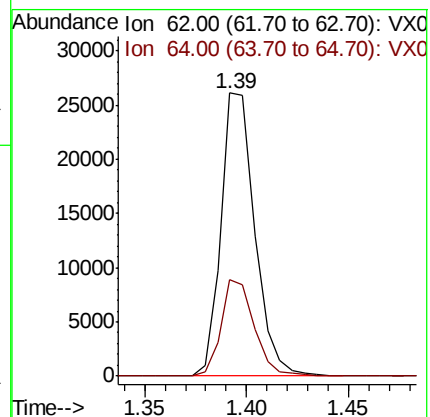
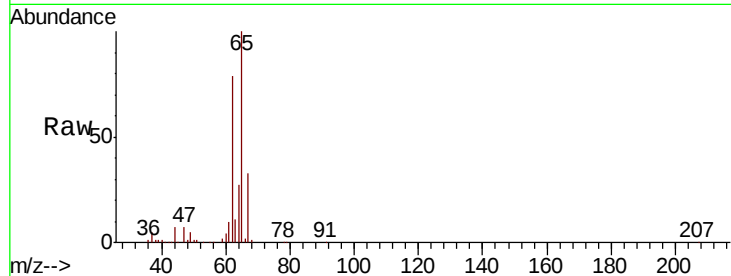
ClientSampleId :

Tot Ion: 62 Resp: 30095

Ion Ratio Lower Upper

62 100

64 34.2 23.4 43.6



#6

Bromomethane

Concen: 9.833 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX019205.D

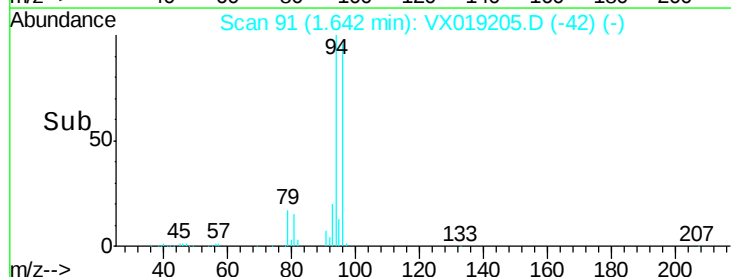
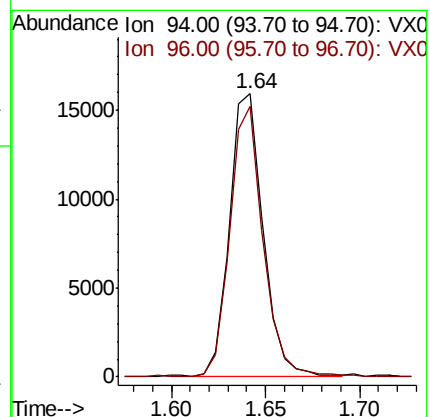
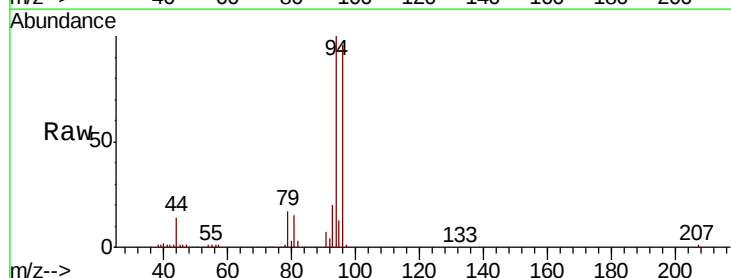
Acq: 02 Nov 2020 11:16

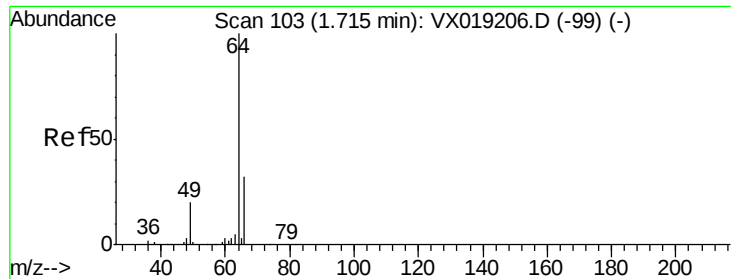
Tgt Ion: 94 Resp: 19792

Ion Ratio Lower Upper

94 100

96 95.5 66.0 122.6

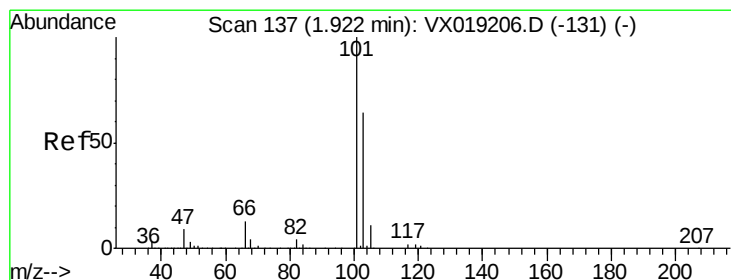
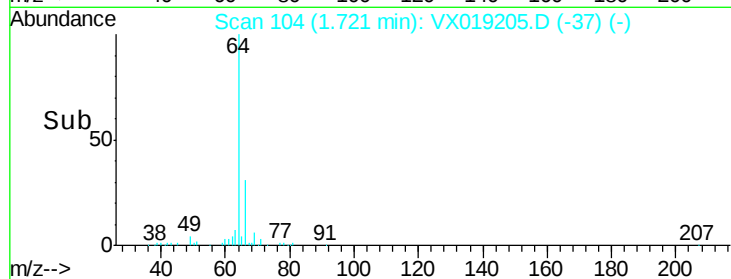
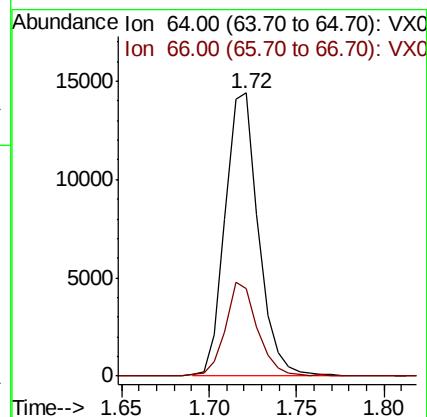
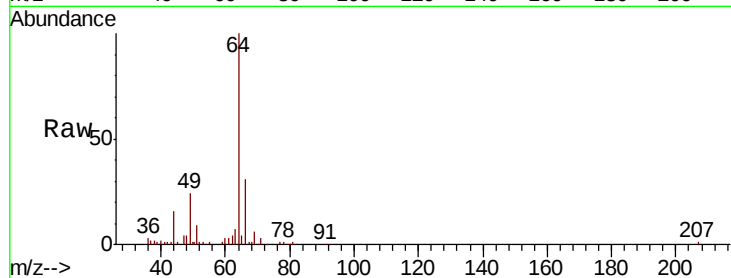




#8  
Chloroethane  
Concen: 8.944 ug/L  
RT: 1.72 min Scan# 104  
Delta R.T. 0.01 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

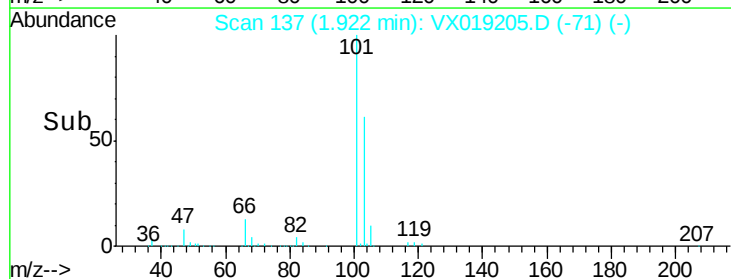
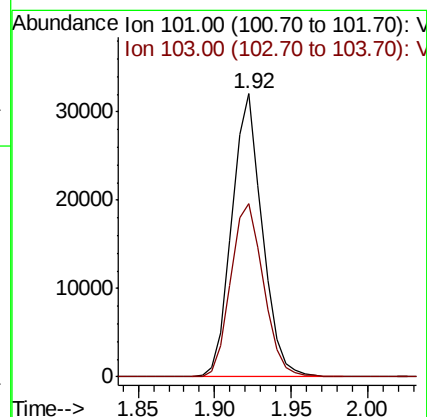
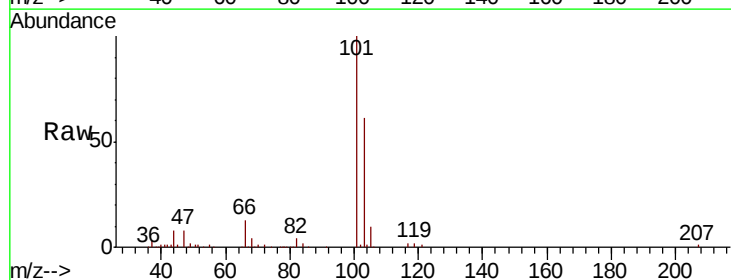
Instrument :  
MSVOA\_X  
ClientSampleId :

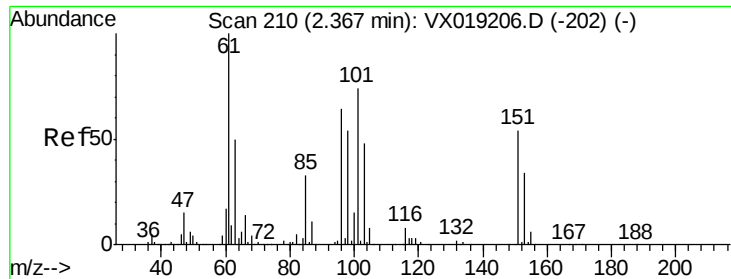
Tot Ion: 64 Resp: 19153  
Ion Ratio Lower Upper  
64 100  
66 31.1 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 7.494 ug/L  
RT: 1.92 min Scan# 137  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Tgt Ion: 101 Resp: 44281  
Ion Ratio Lower Upper  
101 100  
103 65.9 51.3 76.9





#10

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

Concen: 7.791 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

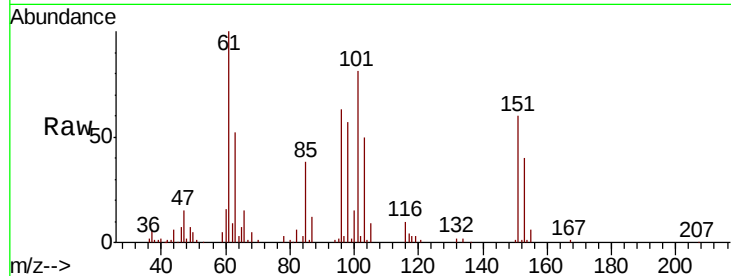
Tot Ion:101 Resp: 25247

Ion Ratio Lower Upper

101 100

85 44.7 35.0 52.4

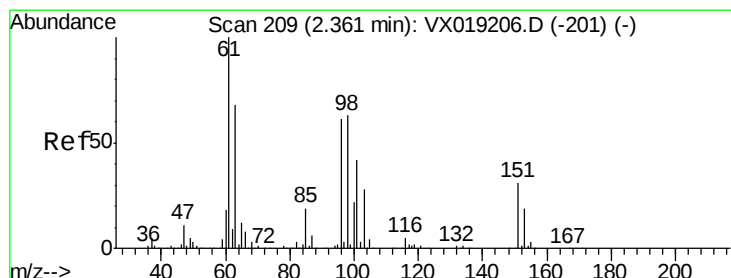
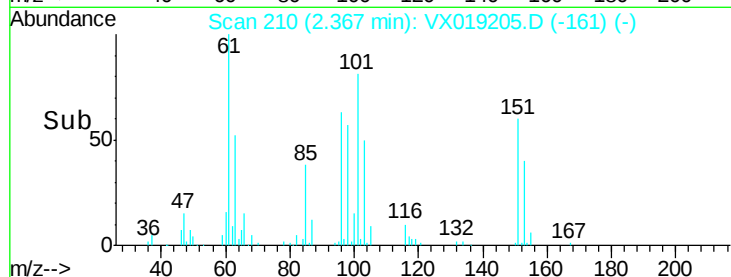
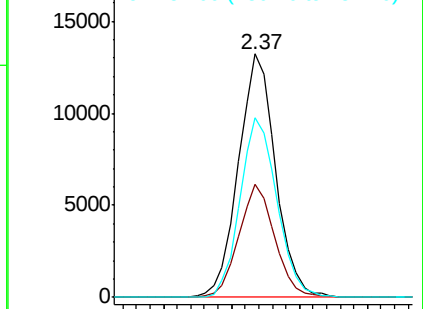
151 73.4 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 8.098 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

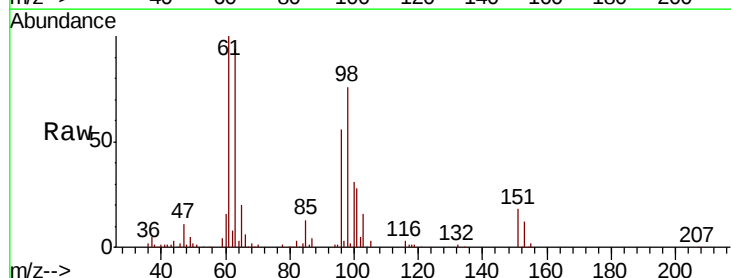
Tgt Ion: 96 Resp: 24731

Ion Ratio Lower Upper

96 100

61 178.1 115.1 213.8

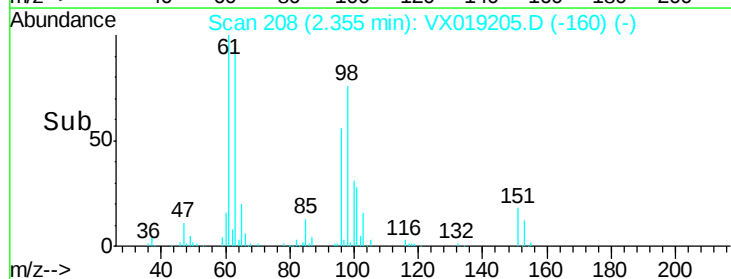
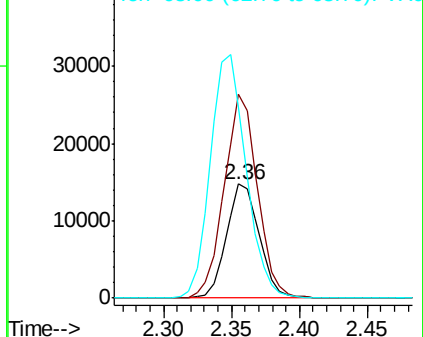
63 167.6 78.3 145.5#

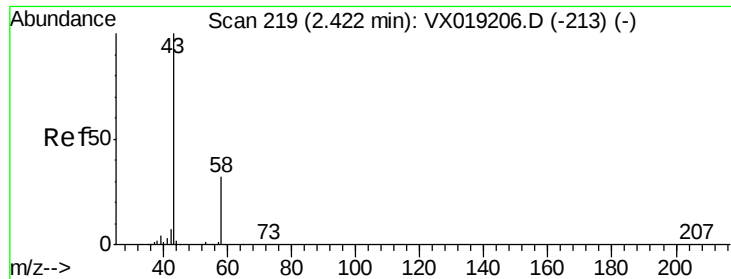


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 14.554 ug/L

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

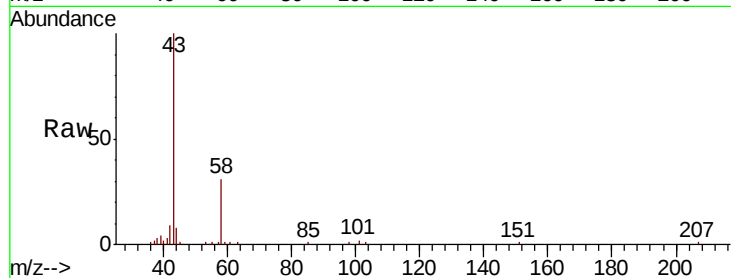
ClientSampleId :

Tot Ion: 43 Resp: 22580

Ion Ratio Lower Upper

43 100

58 33.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VX019206.D (-213) (-)

Ion 58.00 (57.70 to 58.70): VX019206.D (-213) (-)

2.42

15000

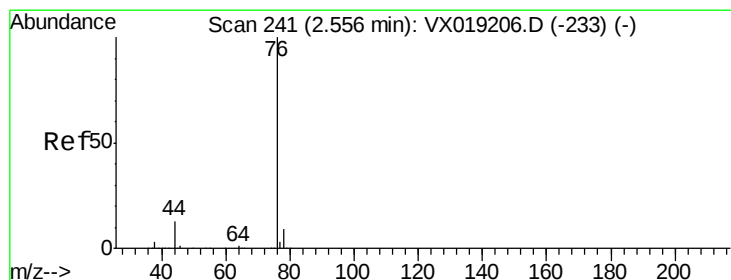
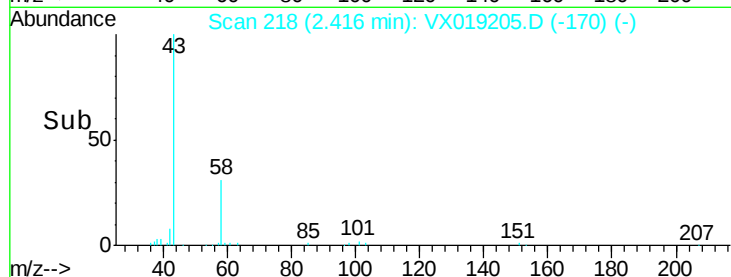
10000

5000

0

Time-->

2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 8.003 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX019205.D

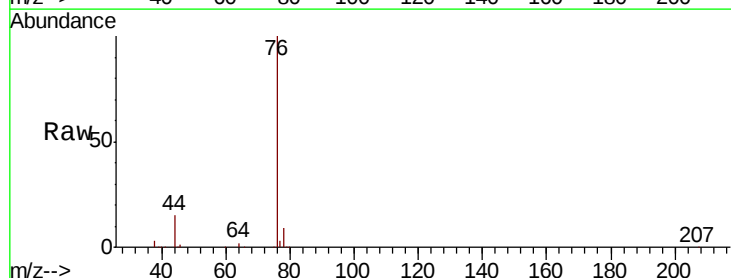
Acq: 02 Nov 2020 11:16

Tgt Ion: 76 Resp: 74061

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX019206.D (-233) (-)

Ion 78.00 (77.70 to 78.70): VX019206.D (-233) (-)

2.55

50000

40000

30000

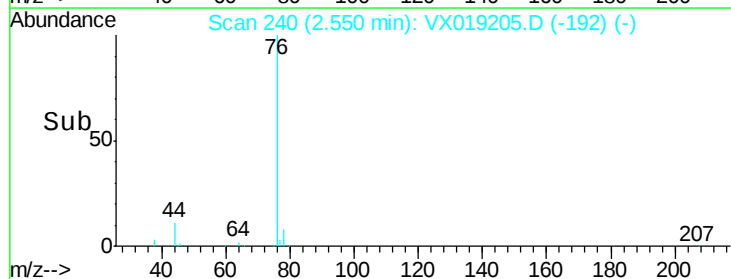
20000

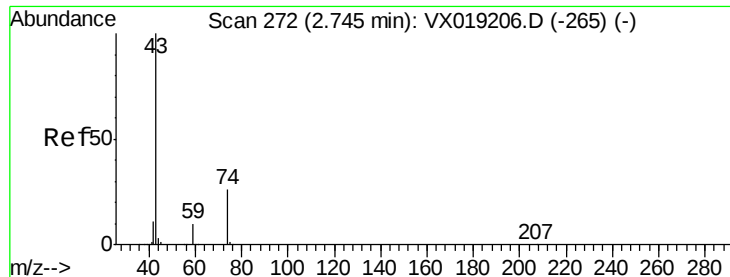
10000

0

Time-->

2.45 2.50 2.55 2.60 2.65

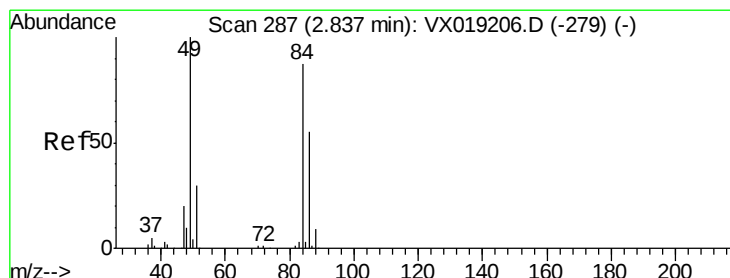
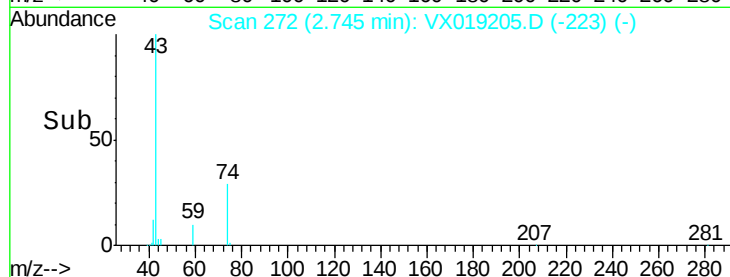
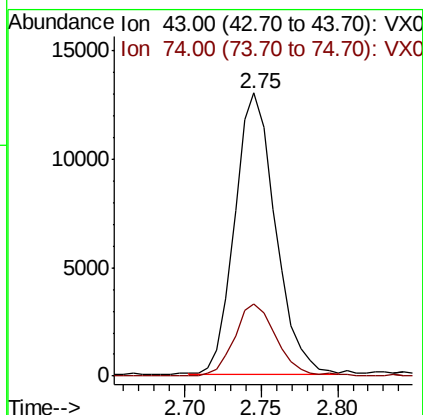
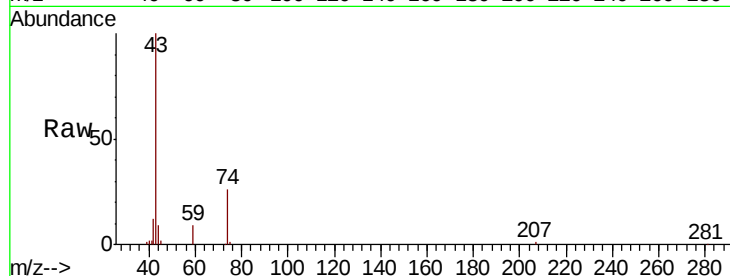




#15  
Methvl Acetate  
Concen: 7.342 ug/L  
RT: 2.75 min Scan# 272  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

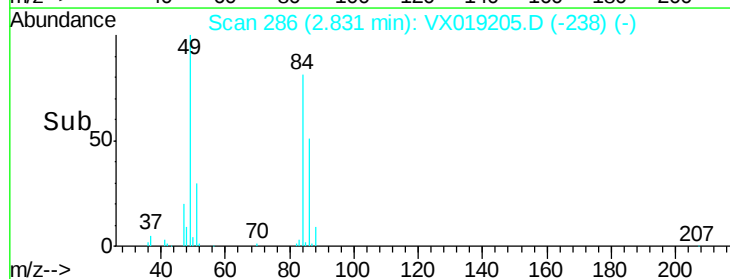
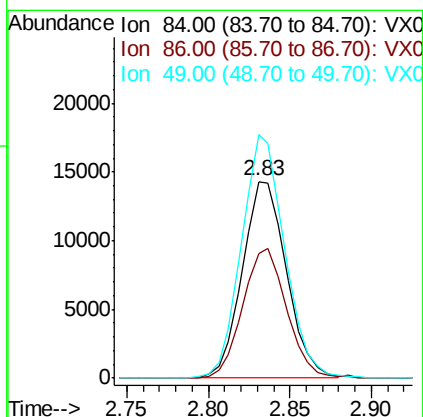
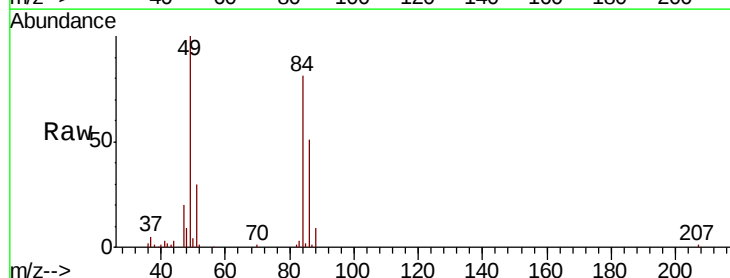
Instrument :  
MSVOA\_X  
ClientSampled :

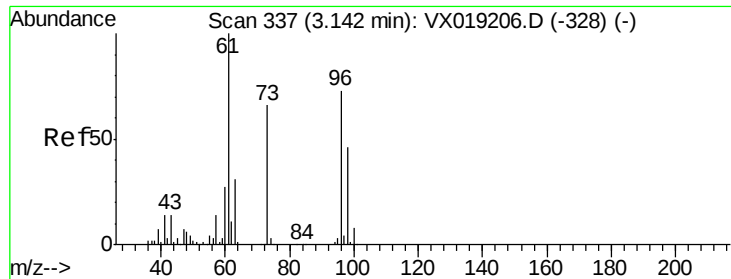
Tot Ion: 43 Resp: 24046  
Ion Ratio Lower Upper  
43 100  
74 26.4 21.8 32.8



#16  
Methylene chloride  
Concen: 8.041 ug/L  
RT: 2.83 min Scan# 286  
Delta R.T. -0.01 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Tgt Ion: 84 Resp: 27085  
Ion Ratio Lower Upper  
84 100  
86 63.6 44.0 81.6  
49 123.7 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 7.977 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

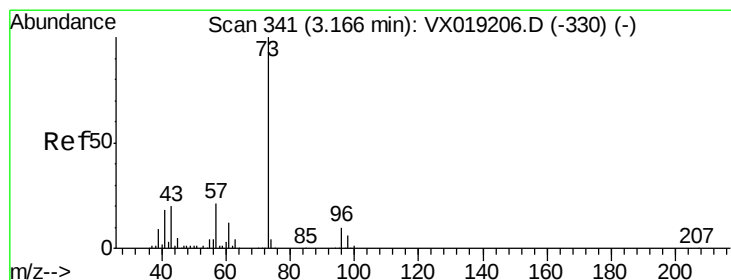
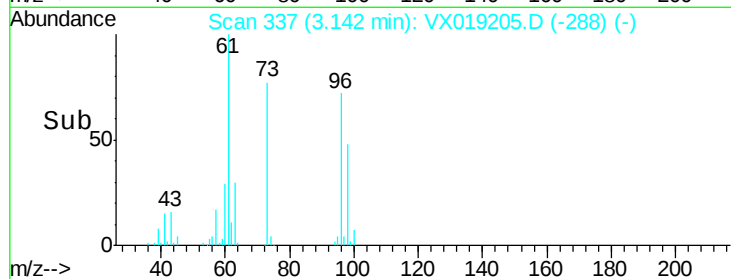
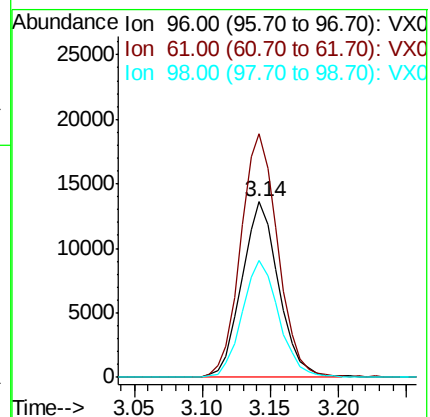
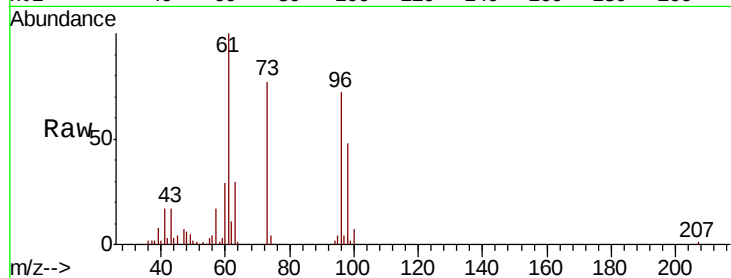
Tot Ion: 96 Resp: 25854

Ion Ratio Lower Upper

96 100

61 138.9 95.7 177.7

98 66.7 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 7.955 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

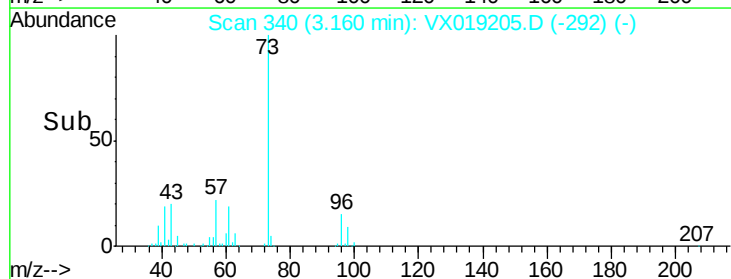
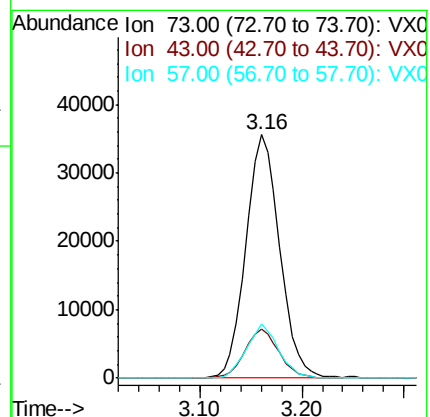
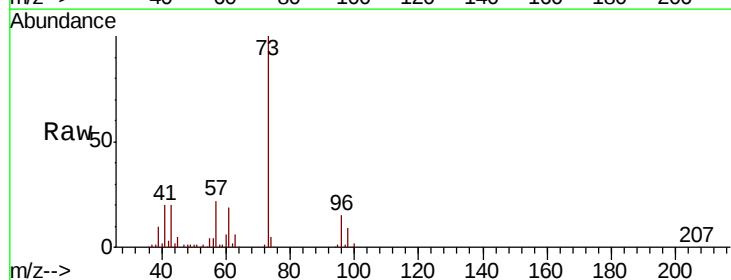
Tgt Ion: 73 Resp: 82310

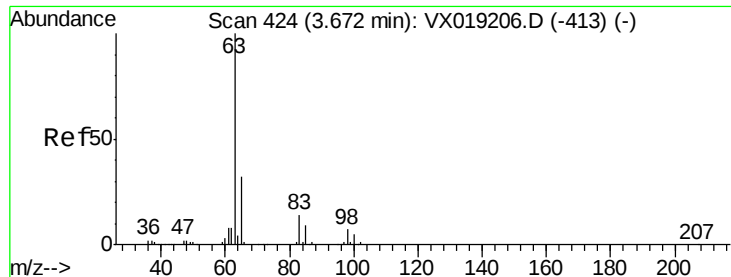
Ion Ratio Lower Upper

73 100

43 20.0 15.8 23.6

57 21.2 17.0 25.4

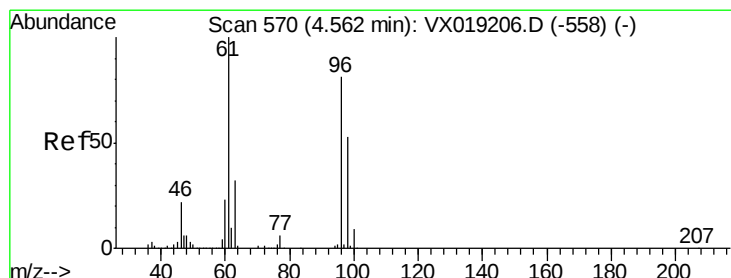
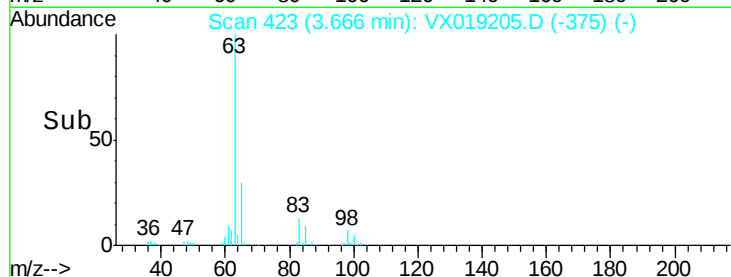
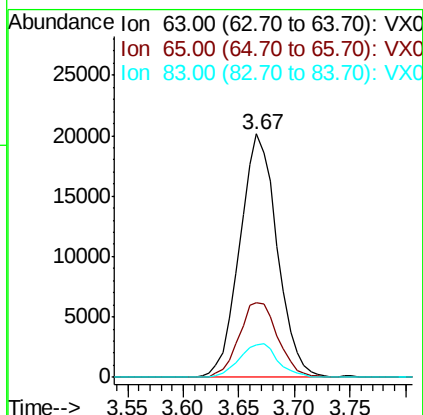
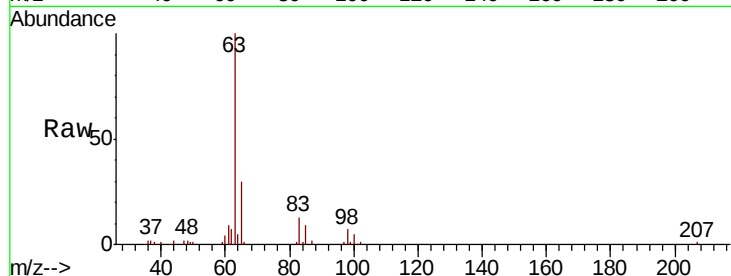




#19  
 1,1-Dichloroethane  
 Concen: 7.922 ug/L  
 RT: 3.67 min Scan# 423  
 Delta R.T. -0.01 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

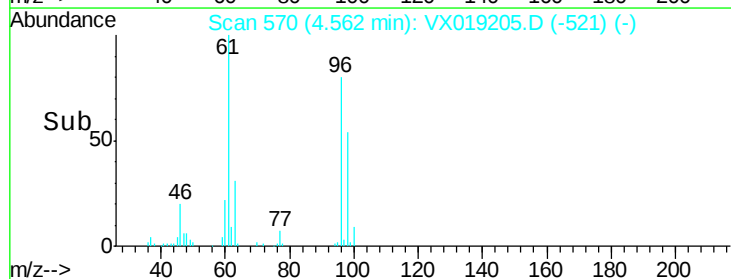
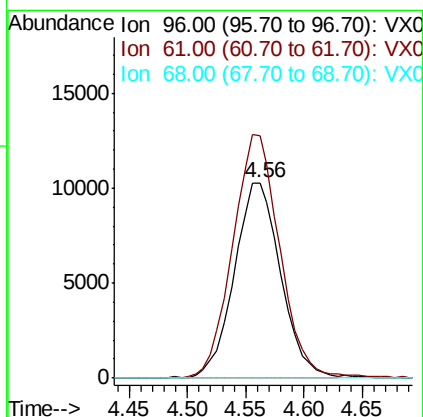
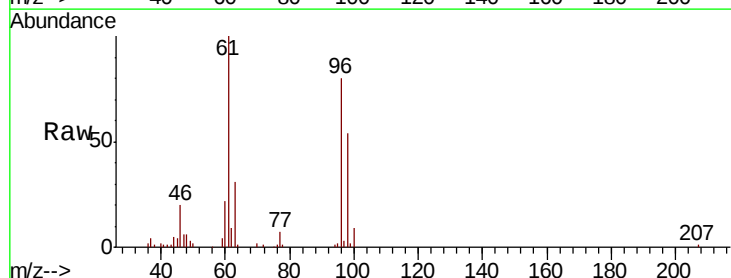
Instrument :  
 MSVOA\_X  
 ClientSampled :

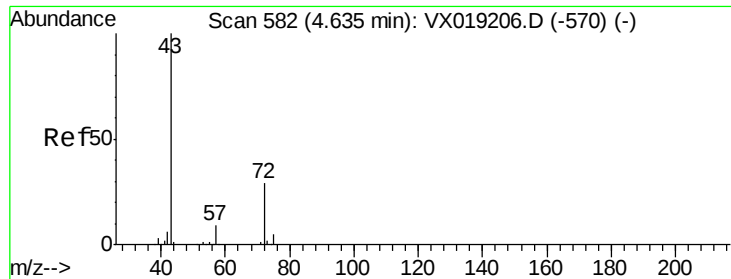
| Tot Ion | 63    | Resp  | 47210 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 63      | 100   |       |       |
| 65      | 30.4  | 22.3  | 41.3  |
| 83      | 13.3  | 9.7   | 18.1  |



#20  
 cis-1,2-Dichloroethene  
 Concen: 8.031 ug/L  
 RT: 4.56 min Scan# 570  
 Delta R.T. -0.00 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

| Tgt Ion | 96    | Resp  | 28530 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 124.3 | 86.1  | 159.9 |
| 68      | 0.0   | 0.0   | 0.0   |





#22

2-Butanone

Concen: 14.779 ug/L

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

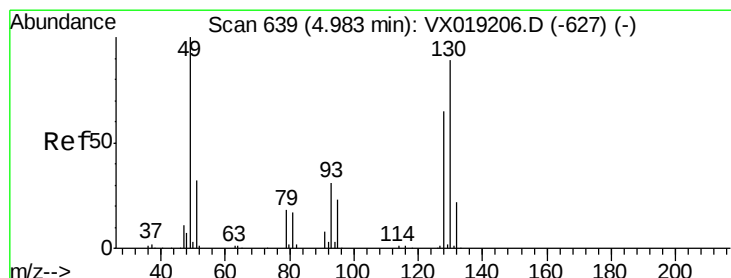
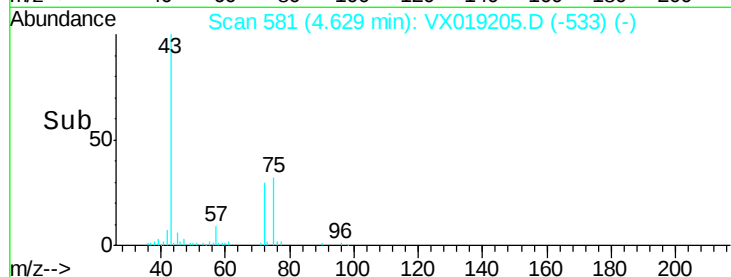
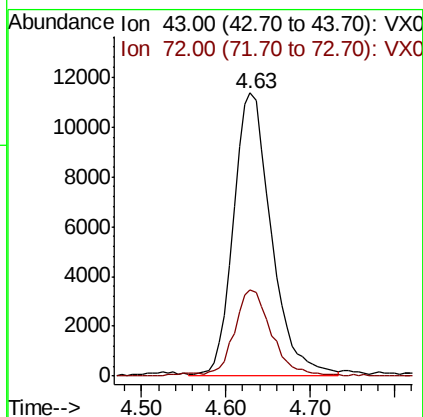
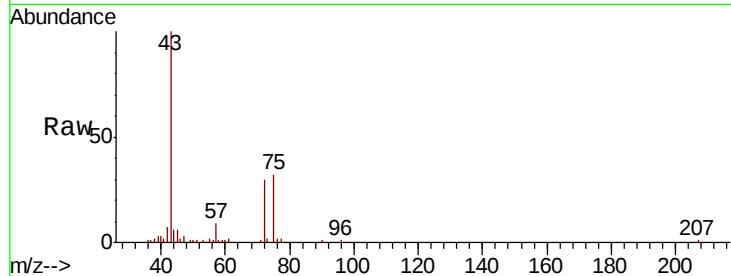
ClientSampleId :

Tot Ion: 43 Resp: 34743

Ion Ratio Lower Upper

43 100

72 29.5 15.0 45.0



#23

Bromochloromethane

Concen: 7.648 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Tgt Ion: 128 Resp: 14589

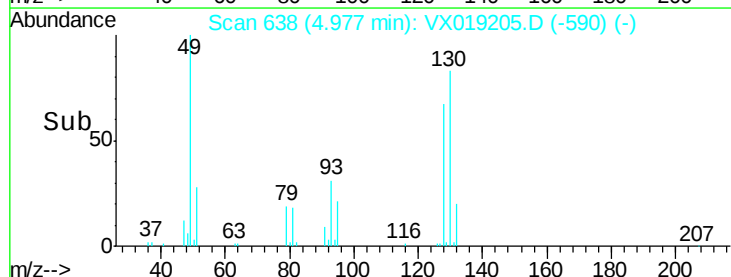
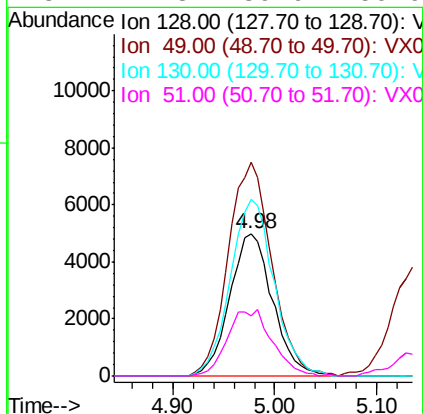
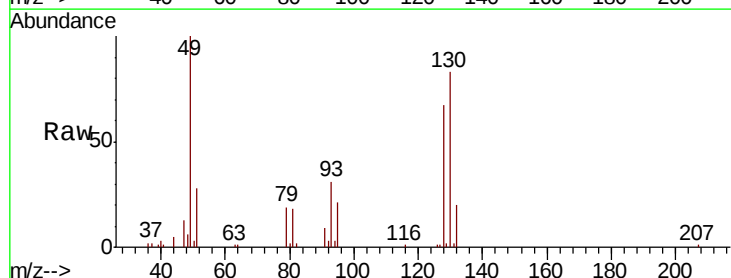
Ion Ratio Lower Upper

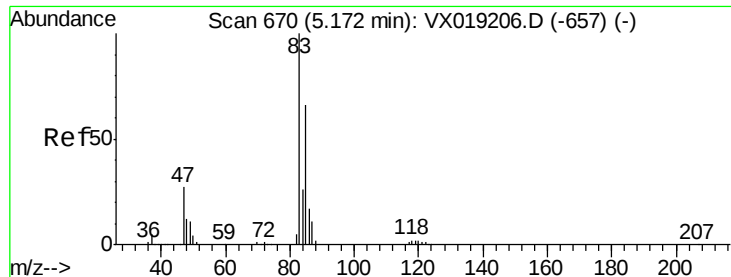
128 100

49 150.2 108.4 201.4

130 124.2 96.7 179.7

51 42.8 39.9 59.9

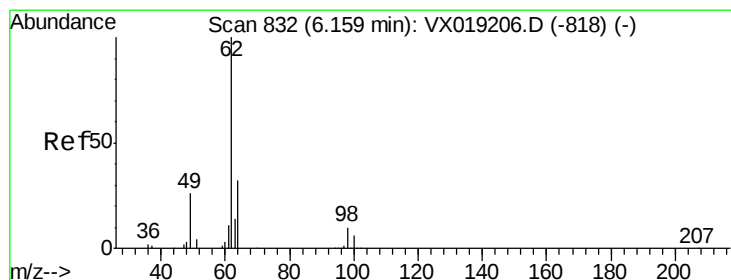
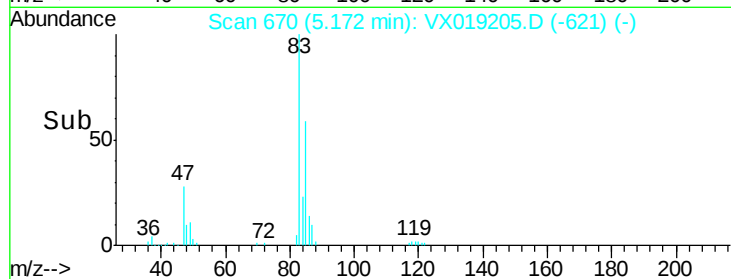
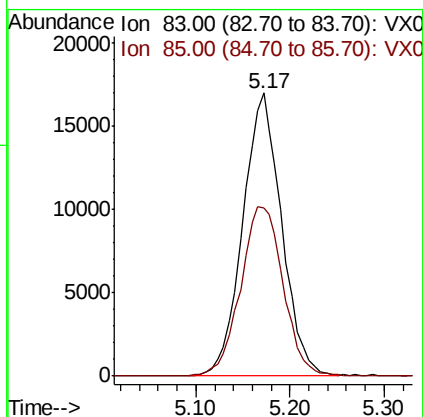
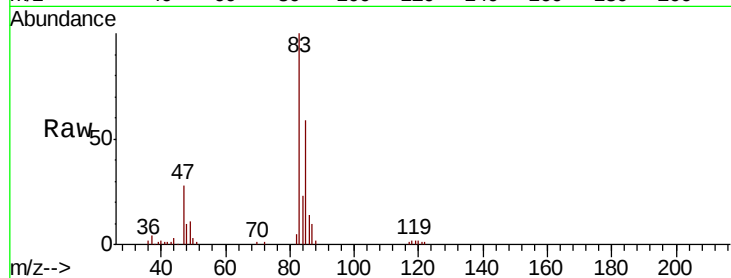




#25  
Chloroform  
Concen: 7.451 ug/L  
RT: 5.17 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

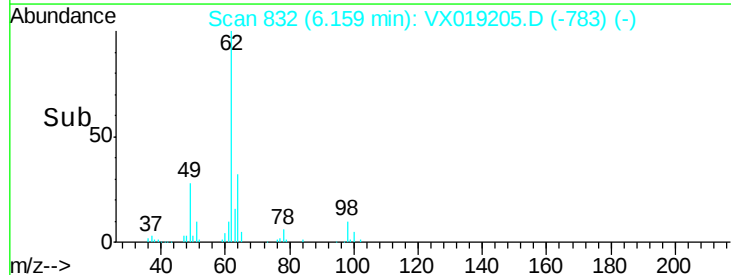
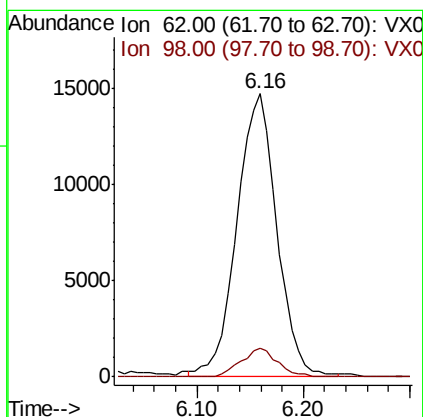
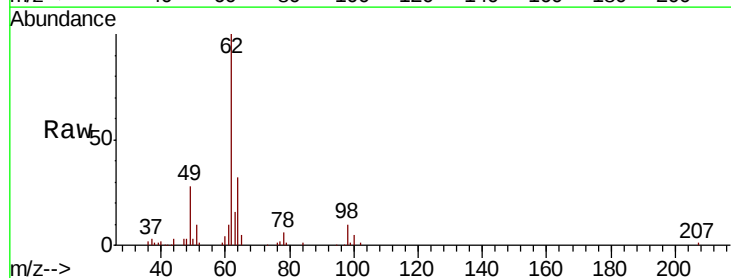
Instrument :  
MSVOA\_X  
ClientSampleId :

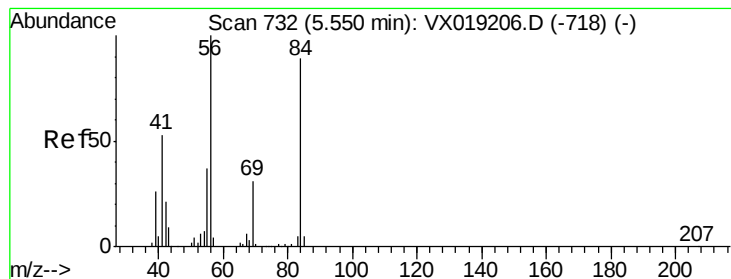
Tot Ion: 83 Resp: 49027  
Ion Ratio Lower Upper  
83 100  
85 59.3 46.5 86.3



#27  
1,2-Dichloroethane  
Concen: 7.367 ug/L  
RT: 6.16 min Scan# 832  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Tgt Ion: 62 Resp: 38720  
Ion Ratio Lower Upper  
62 100  
98 10.0 7.6 11.4





#29

Cyclohexane

Concen: 8.778 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

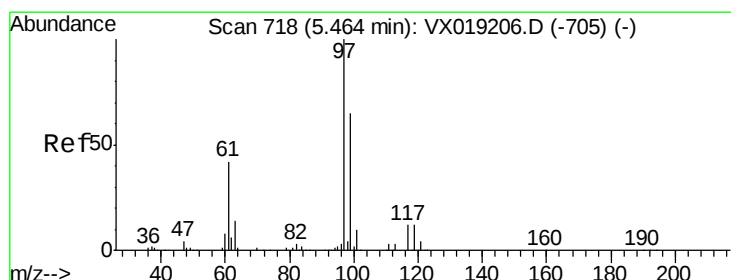
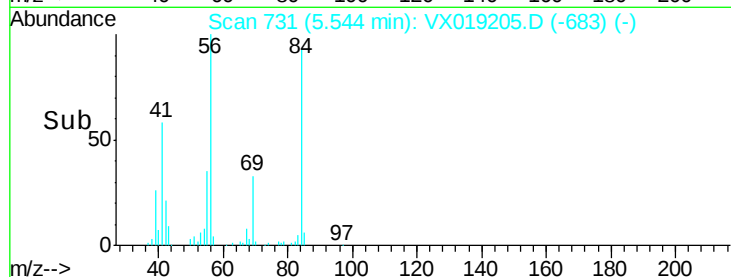
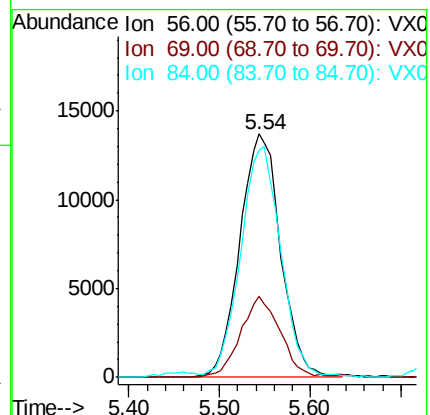
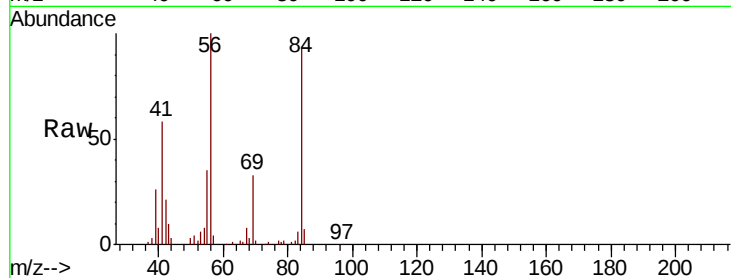
Tot Ion: 56 Resp: 42746

Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

84 93.0 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 7.651 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

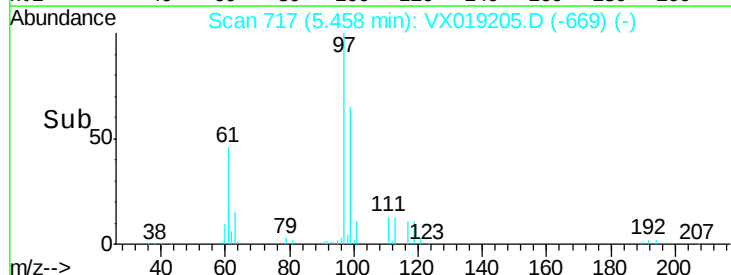
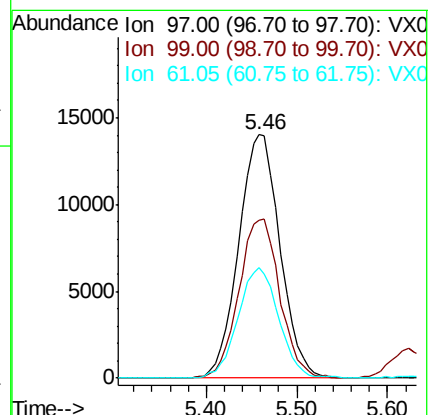
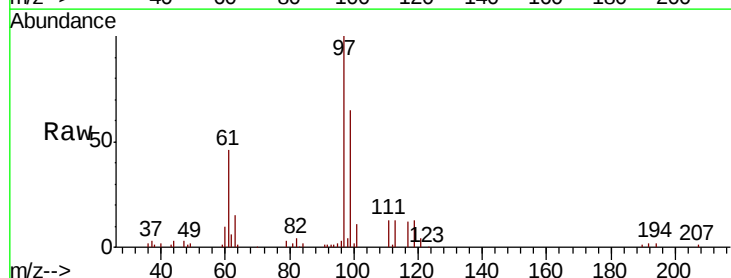
Tgt Ion: 97 Resp: 44312

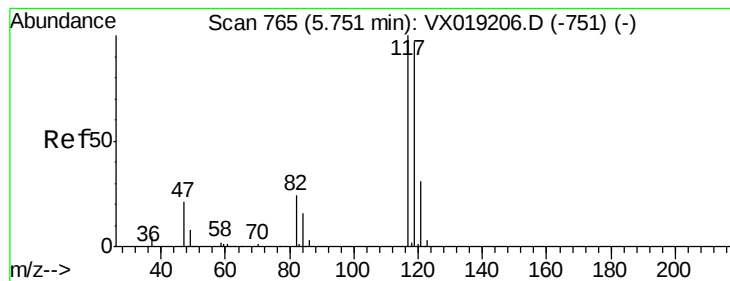
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 44.3 34.8 52.2





#31

Carbon tetrachloride

Concen: 7.305 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

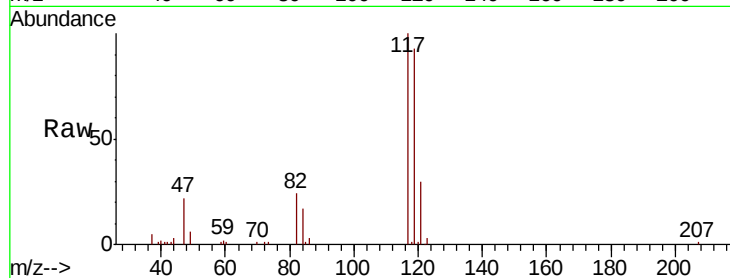
ClientSampleId :

Tot Ion:117 Resp: 37753

Ion Ratio Lower Upper

117 100

119 97.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

15000 Ion 119.00 (118.70 to 119.70): V

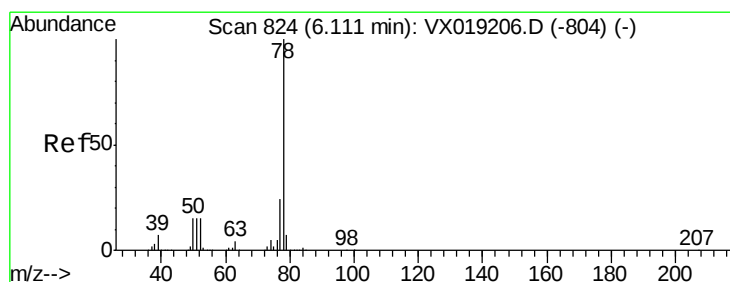
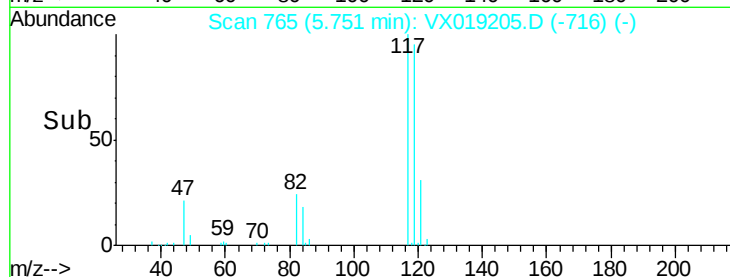
5.75

10000

5000

0

Time--> 5.60 5.70 5.80



#33

Benzene

Concen: 8.781 ug/L

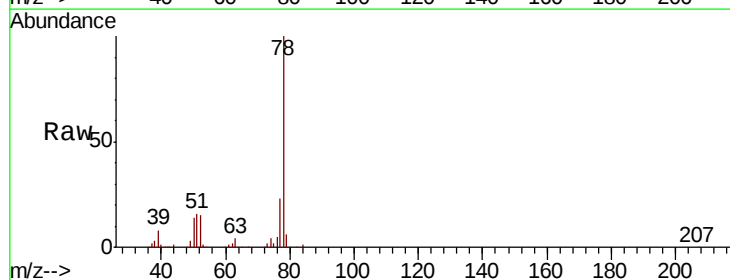
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Tgt Ion: 78 Resp: 108621



Abundance Ion 78.00 (77.70 to 78.70): VX0

40000

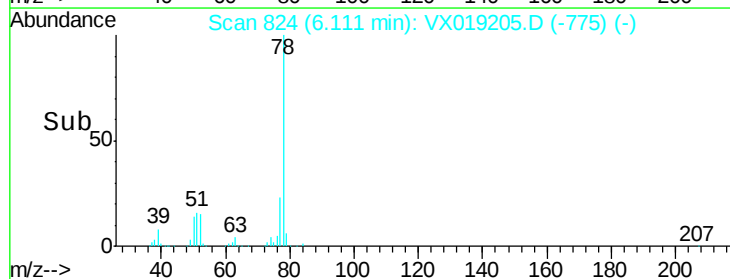
30000

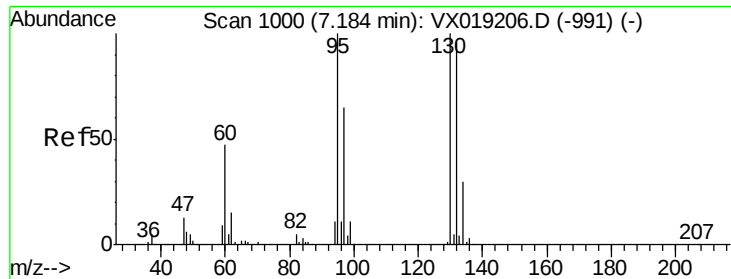
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

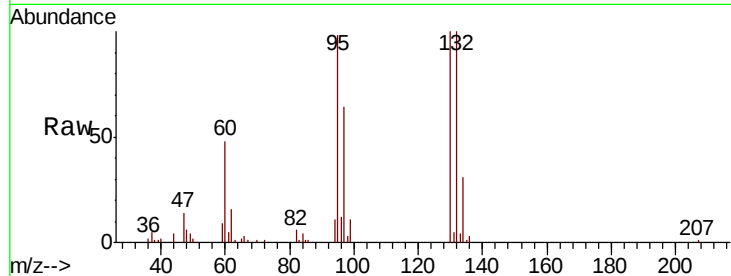




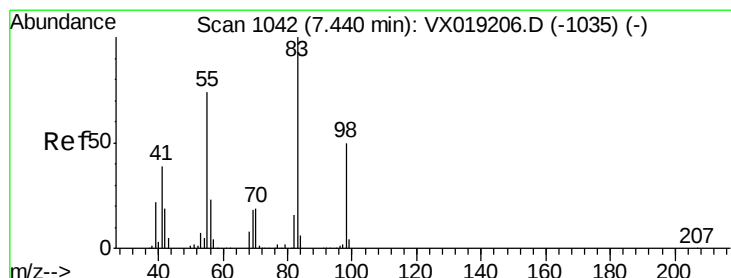
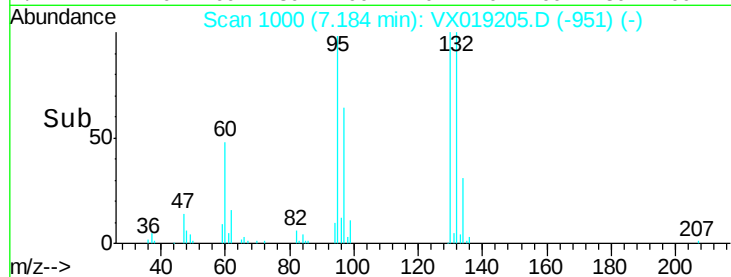
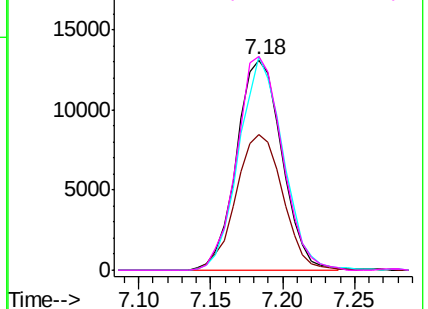
#34  
 Trichloroethene  
 Concen: 8.316 ug/L  
 RT: 7.18 min Scan# 1000  
 Delta R.T. -0.00 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

Instrument :  
 MSVOA\_X  
 ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 28647 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 64.6  | 45.1  | 83.9  |
| 132      | 101.5 | 67.3  | 124.9 |
| 130      | 101.5 | 69.9  | 129.9 |

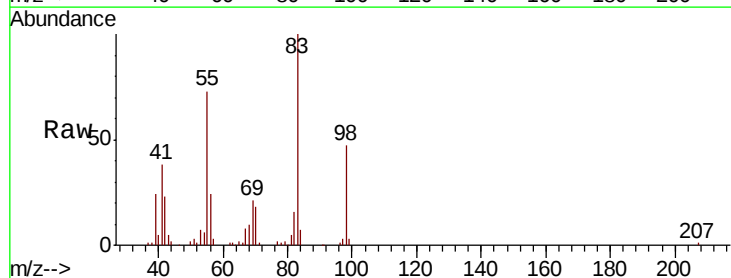


Abundance Ion 95.00 (94.70 to 95.70): VX0  
 Ion 97.00 (96.70 to 97.70): VX0  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

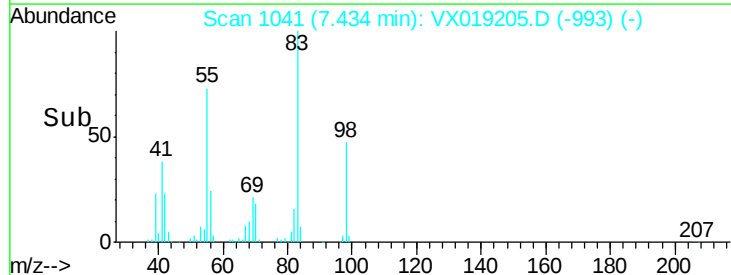
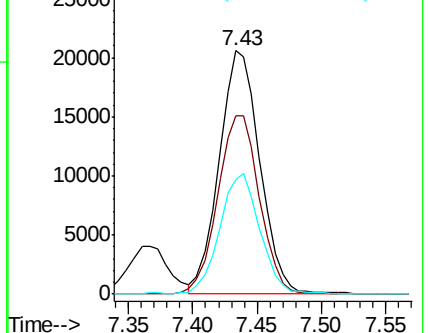


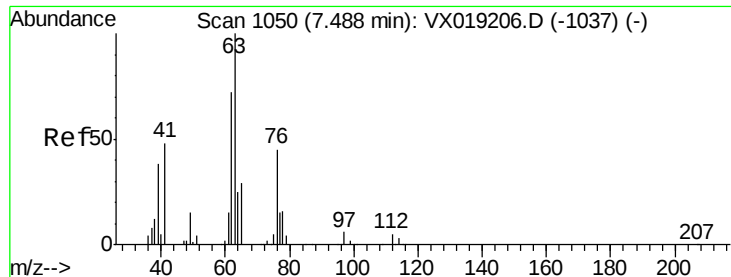
#35  
 Methylcyclohexane  
 Concen: 8.969 ug/L  
 RT: 7.43 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 45473 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 75.0  | 58.6  | 87.8  |
| 98       | 48.4  | 39.0  | 58.6  |



Abundance Ion 83.00 (82.70 to 83.70): VX0  
 Ion 55.00 (54.70 to 55.70): VX0  
 Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 8.278 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

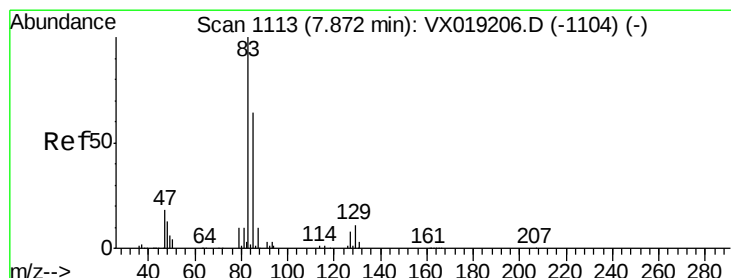
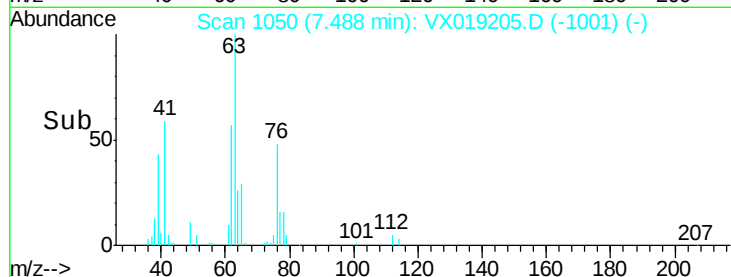
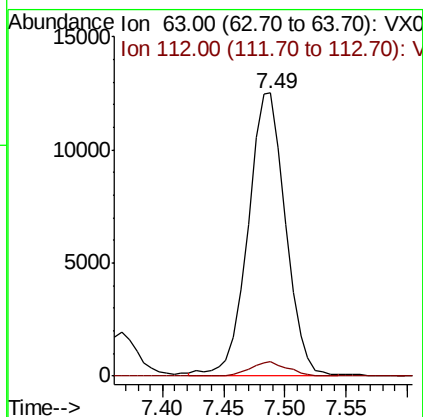
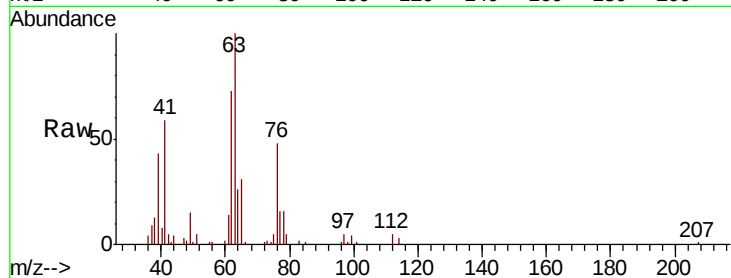
ClientSampled :

Tot Ion: 63 Resp: 26806

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 7.754 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

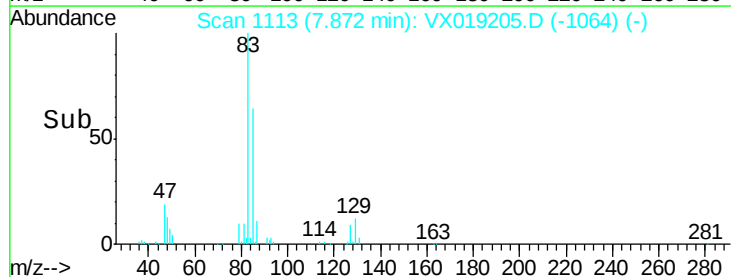
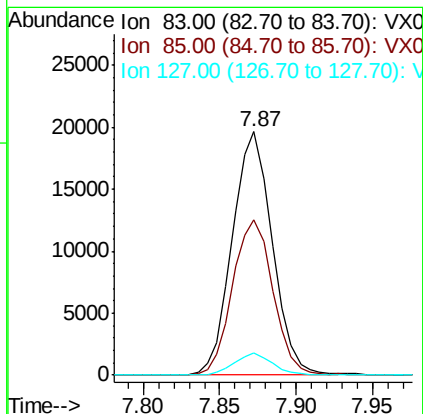
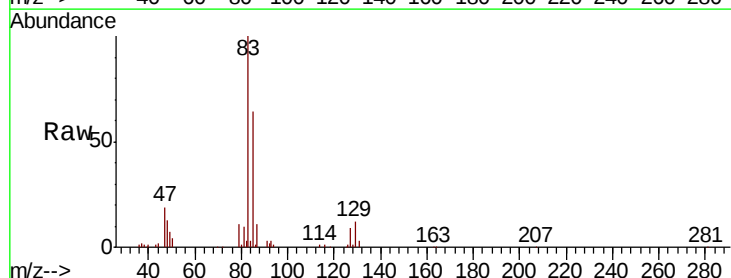
Tgt Ion: 83 Resp: 35699

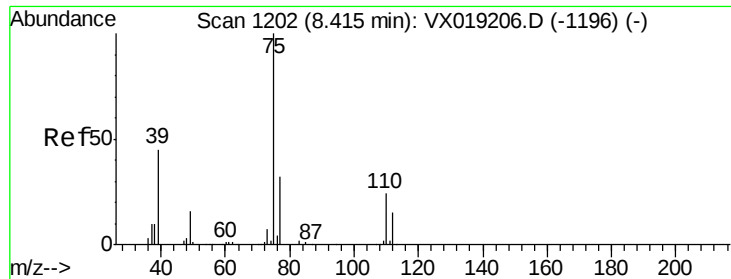
Ion Ratio Lower Upper

83 100

85 64.0 44.6 82.8

127 8.9 6.8 10.2

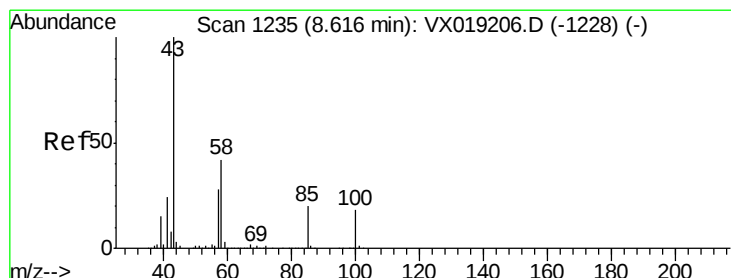
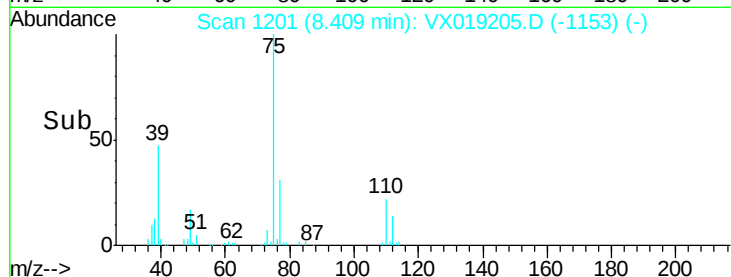
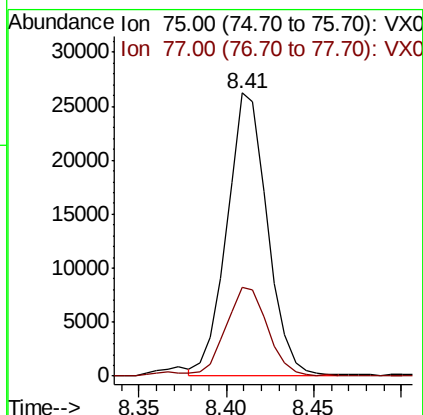
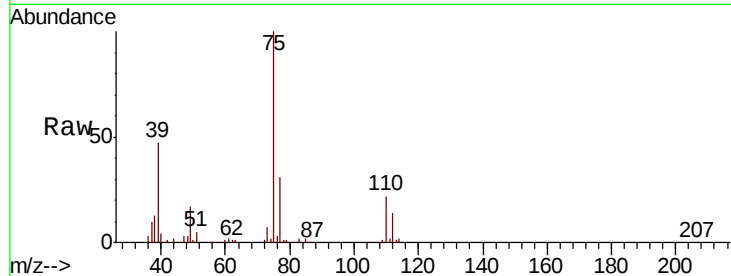




#39  
 cis-1,3-Dichloropropene  
 Concen: 8.072 ug/L  
 RT: 8.41 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

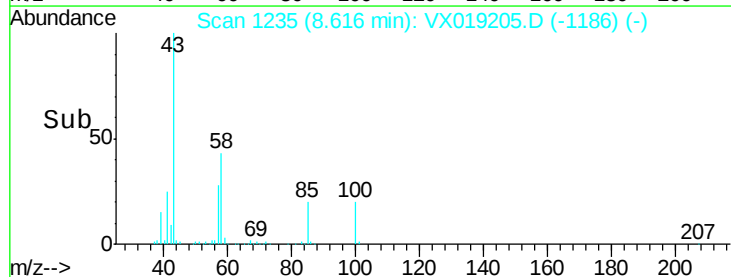
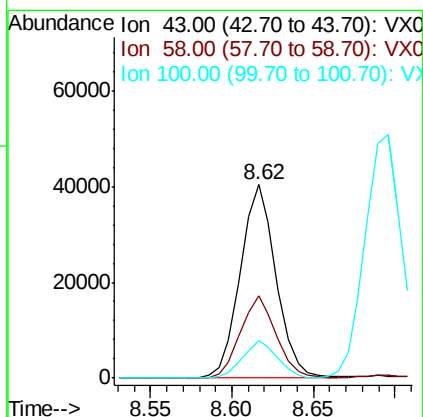
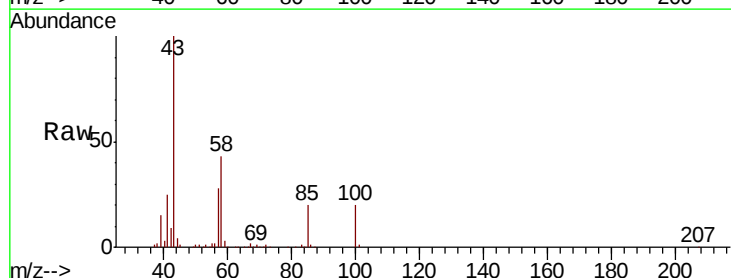
Instrument :  
 MSVOA\_X  
 ClientSampleId :

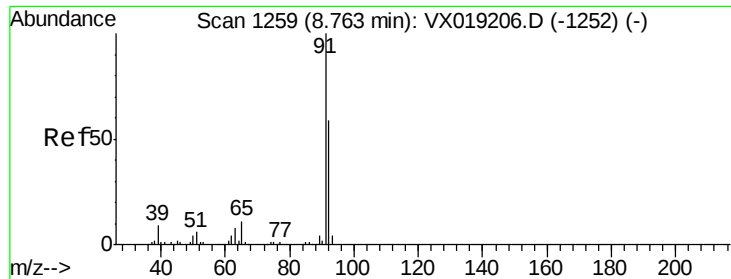
Tot Ion: 75 Resp: 42235  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 14.685 ug/L  
 RT: 8.62 min Scan# 1235  
 Delta R.T. -0.00 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

Tgt Ion: 43 Resp: 61857  
 Ion Ratio Lower Upper  
 43 100  
 58 42.1 34.1 51.1  
 100 18.7 14.8 22.2





#42

Toluene

Concen: 8.710 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

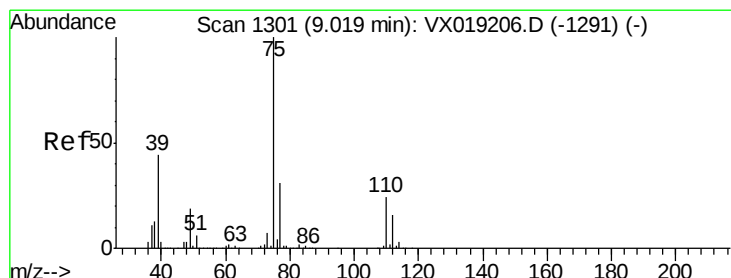
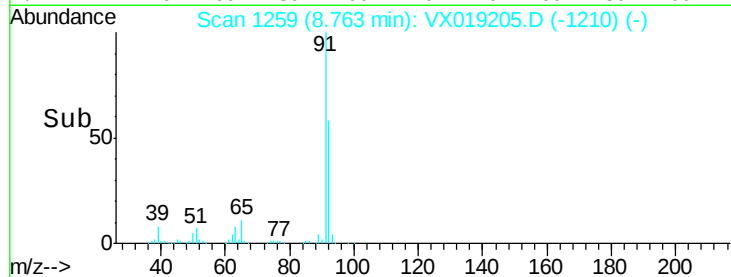
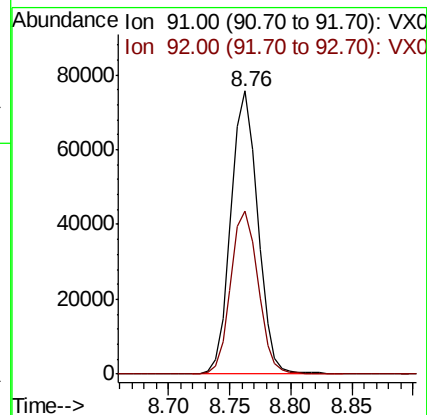
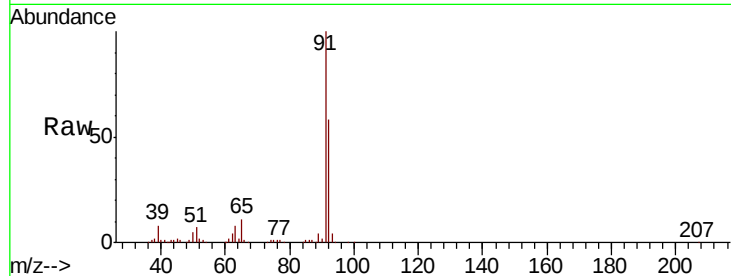
ClientSampleId :

Tot Ion: 91 Resp: 115980

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 7.716 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019205.D

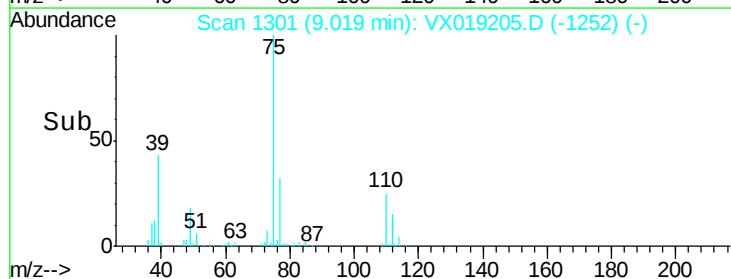
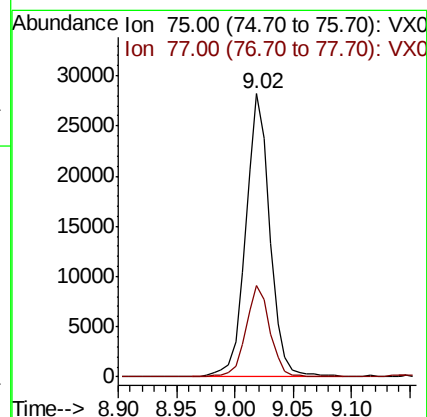
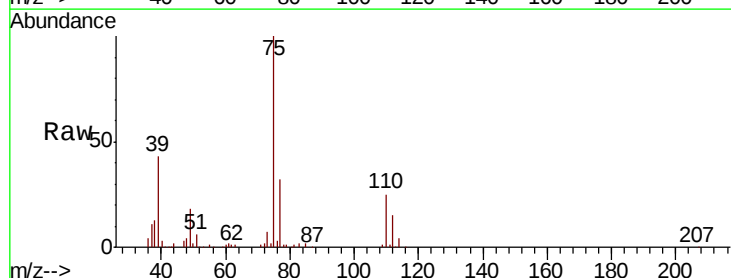
Acq: 02 Nov 2020 11:16

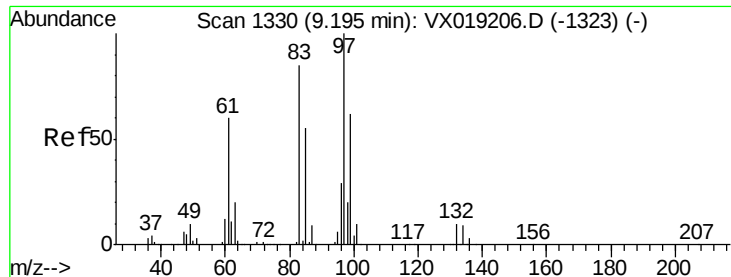
Tgt Ion: 75 Resp: 40898

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6

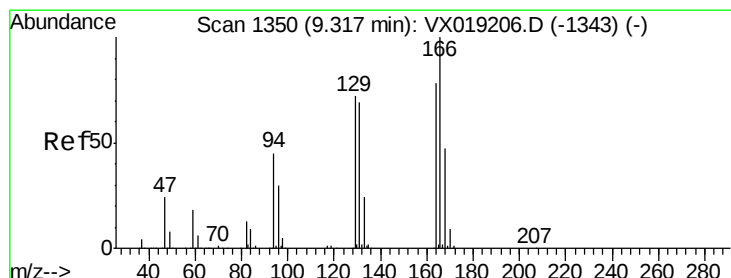
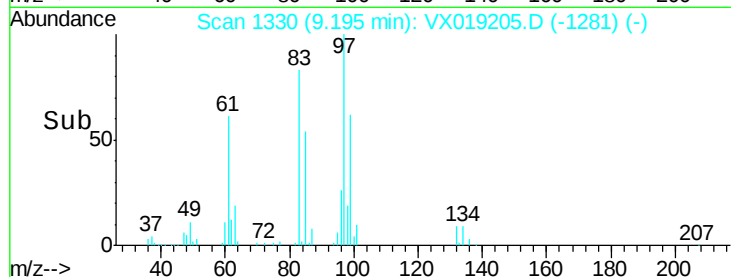
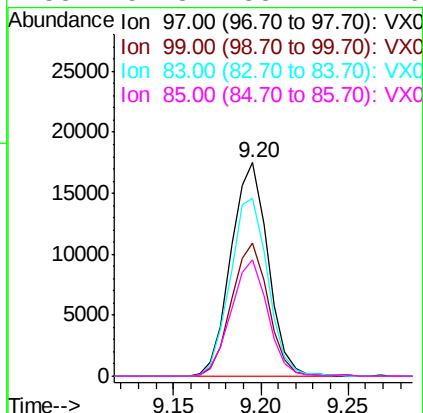
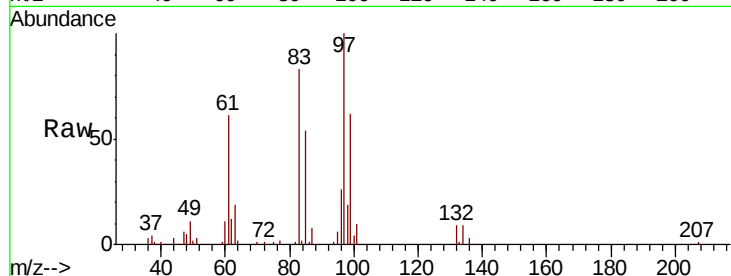




#45  
 1,1,2-Trichloroethane  
 Concen: 8.269 ug/L  
 RT: 9.20 min Scan# 1330  
 Delta R.T. -0.00 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

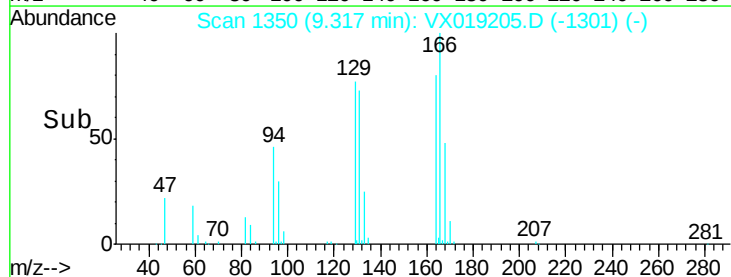
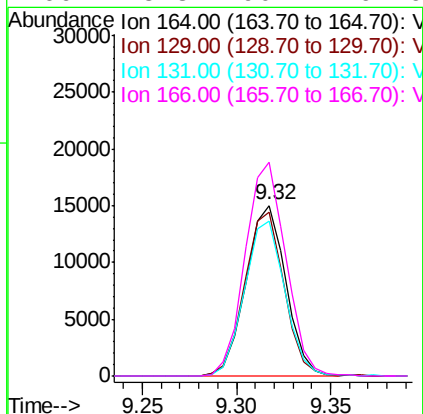
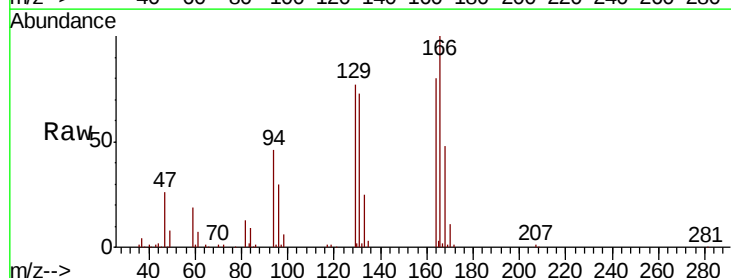
Instrument :  
 MSVOA\_X  
 ClientSampled :

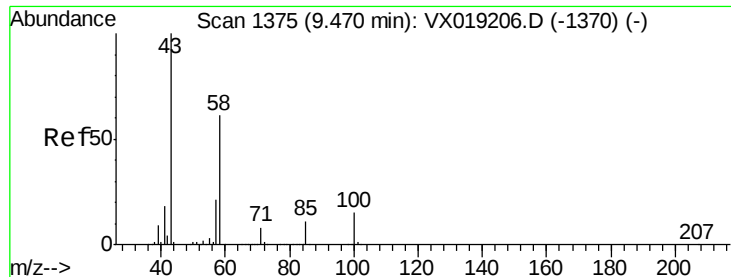
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 25892 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.4  | 43.3  | 80.3  |
| 83       | 83.4  | 59.4  | 110.4 |
| 85       | 54.3  | 38.7  | 71.9  |



#46  
 Tetrachloroethene  
 Concen: 7.927 ug/L  
 RT: 9.32 min Scan# 1350  
 Delta R.T. -0.00 min  
 Lab File: VX019205.D  
 Acq: 02 Nov 2020 11:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 22024 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.4  | 65.2  | 121.2 |
| 131      | 91.0  | 62.5  | 116.1 |
| 166      | 125.3 | 90.2  | 167.6 |

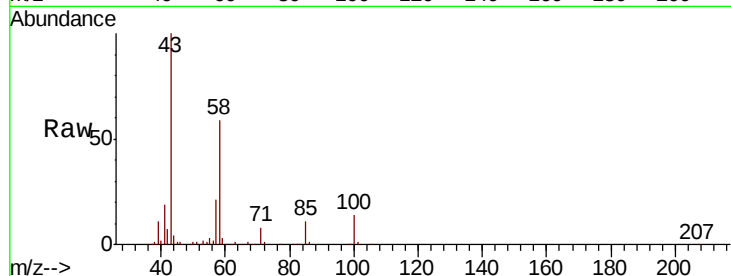




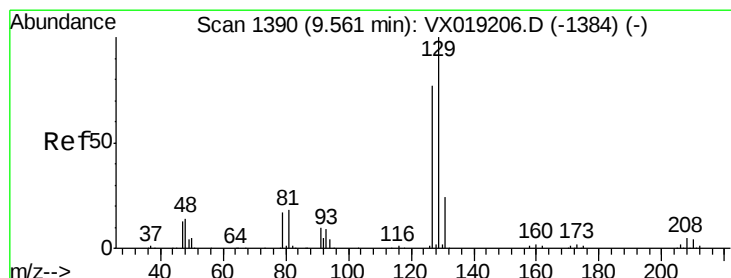
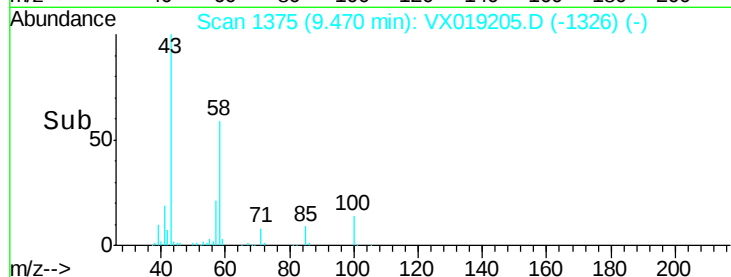
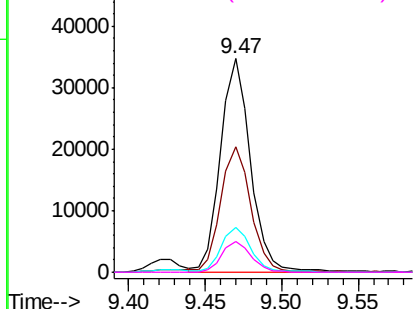
#48  
2-Hexanone  
Concen: 14.301 ug/L  
RT: 9.47 min Scan# 1375  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 47592  
Ion Ratio Lower Upper  
43 100  
58 57.8 48.2 72.2  
57 19.9 17.1 25.7  
100 14.2 11.8 17.8

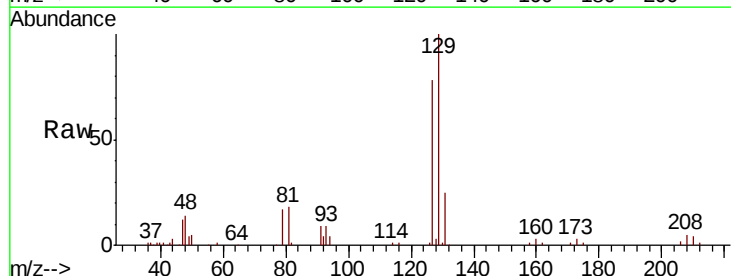


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0  
Ion 57.00 (56.70 to 57.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0

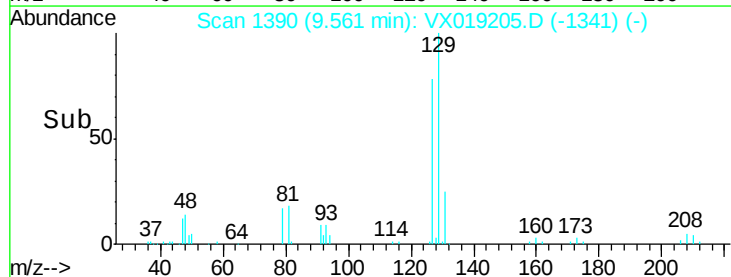
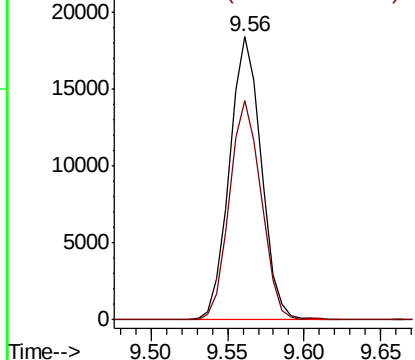


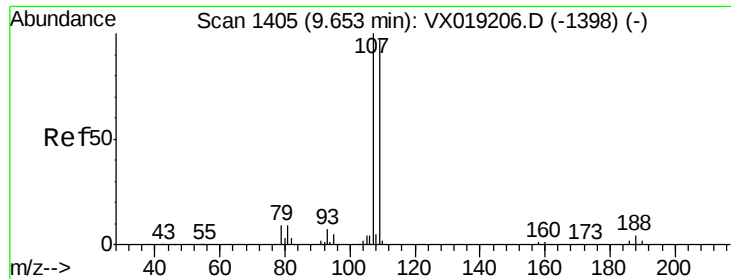
#49  
Dibromochloromethane  
Concen: 6.854 ug/L  
RT: 9.56 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Tgt Ion: 129 Resp: 26478  
Ion Ratio Lower Upper  
129 100  
127 77.6 54.0 100.2



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

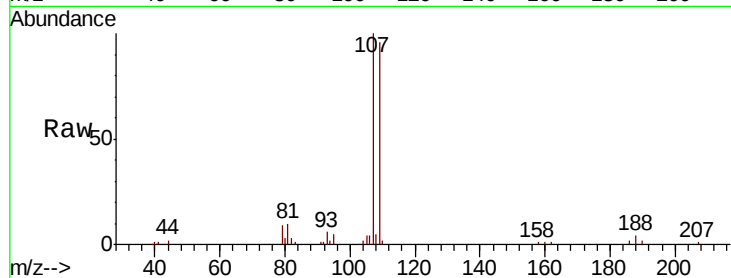




#50  
1,2-Dibromoethane  
Concen: 7.658 ug/L  
RT: 9.65 min Scan# 1405  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Instrument :  
MSVOA\_X  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.1  | 68.1  | 126.5 |
| 188     | 3.9   | 3.0   | 4.4   |

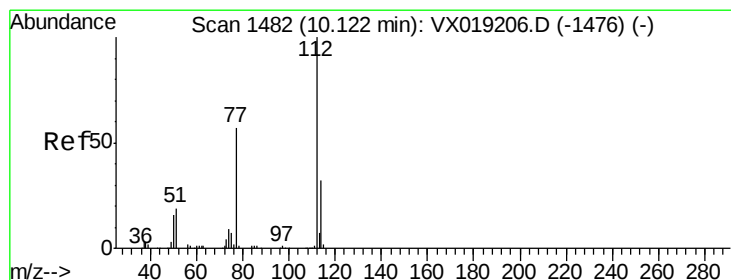
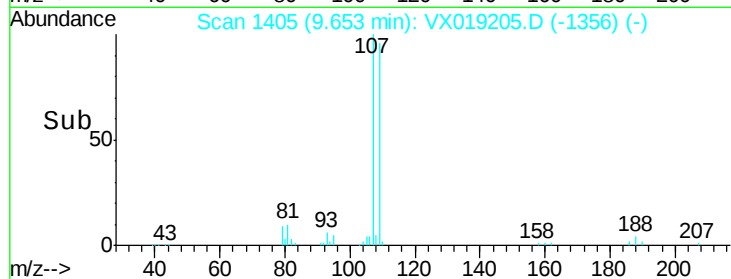
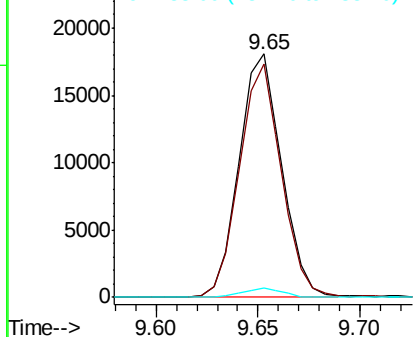


Abundance

Ion 107.00 (106.70 to 107.70): V

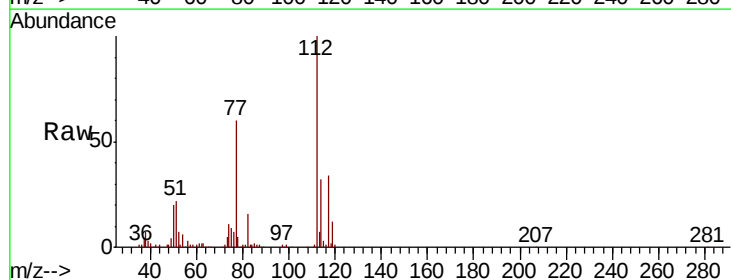
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51  
Chlorobenzene  
Concen: 8.088 ug/L  
RT: 10.12 min Scan# 1481  
Delta R.T. -0.01 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.7  | 22.2  | 41.2  |
| 77      | 60.3  | 46.2  | 69.4  |

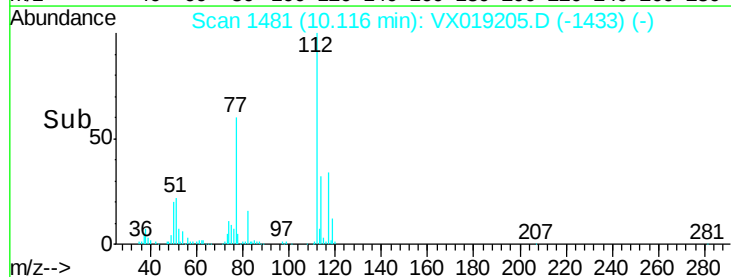
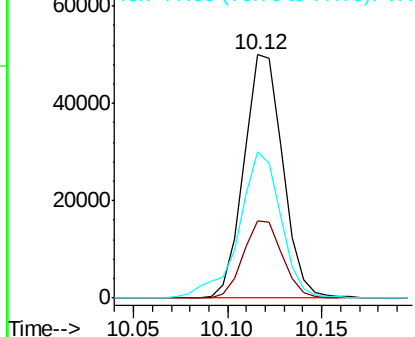


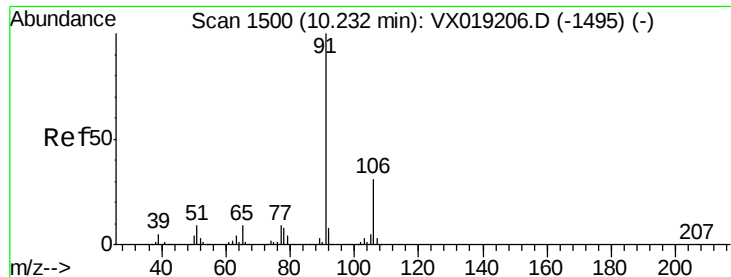
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 8.302 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

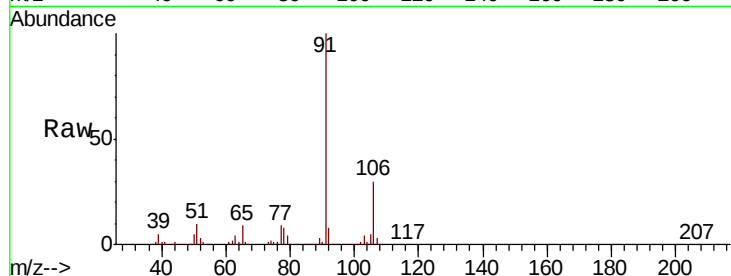
ClientSampleId :

Tot Ion: 91 Resp: 122909

Ion Ratio Lower Upper

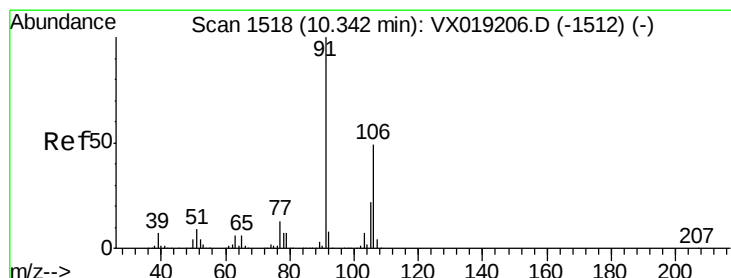
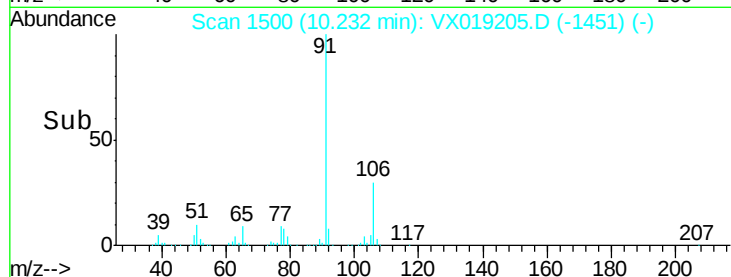
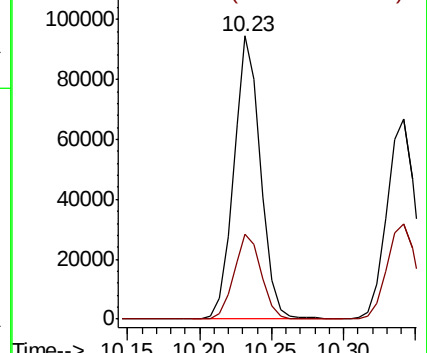
91 100

106 30.1 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 7.988 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019205.D

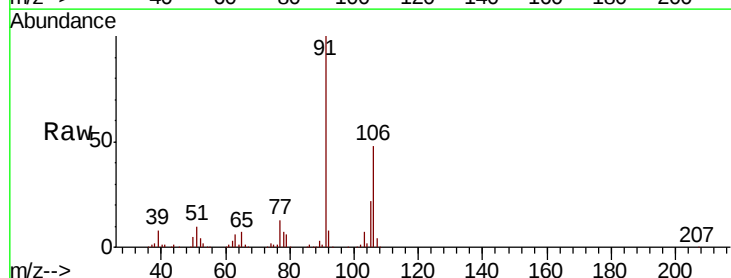
Acq: 02 Nov 2020 11:16

Tgt Ion: 106 Resp: 44862

Ion Ratio Lower Upper

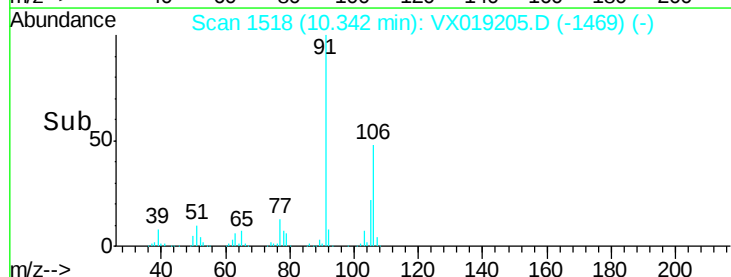
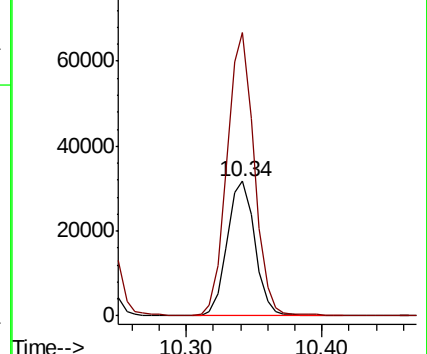
106 100

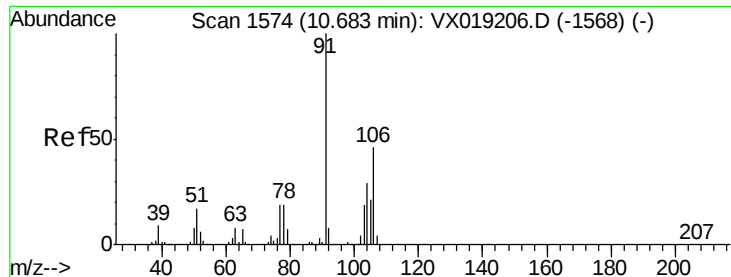
91 210.0 144.2 267.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

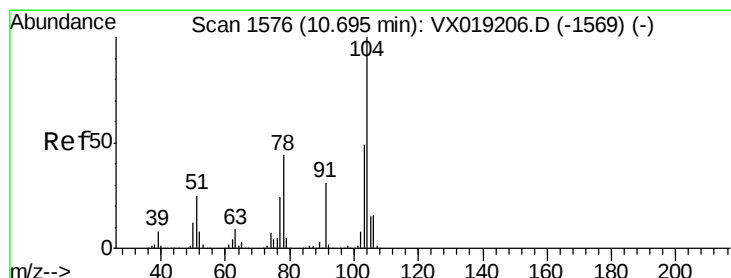
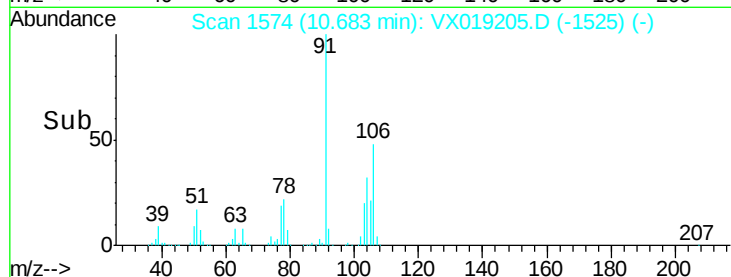
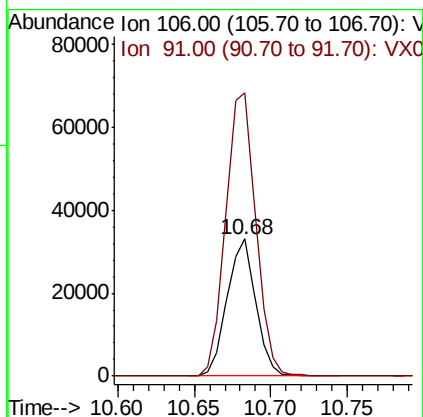
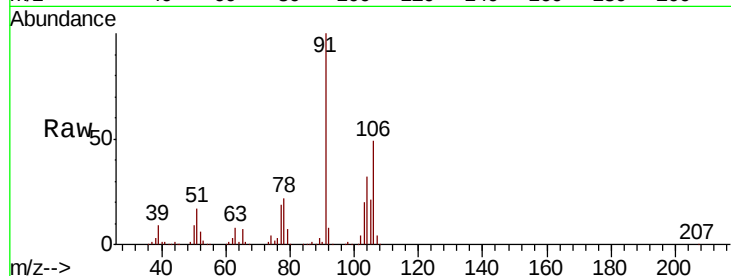




#54  
o-Xylene  
Concen: 7.934 ug/L  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

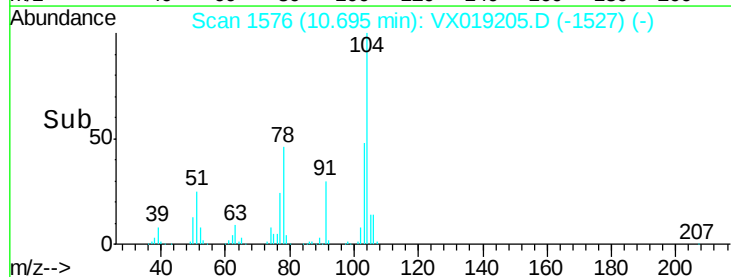
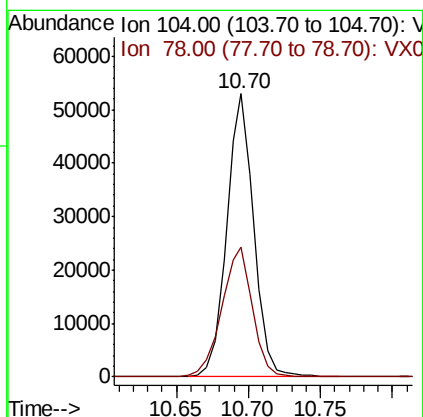
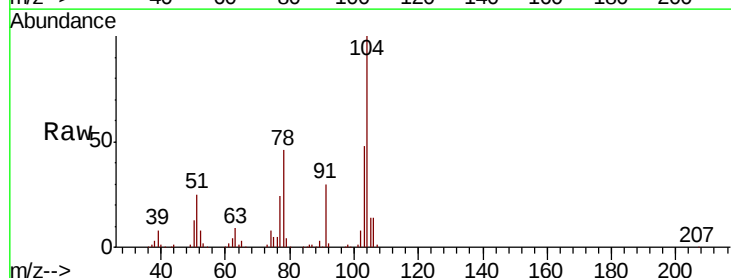
Instrument :  
MSVOA\_X  
ClientSampled :

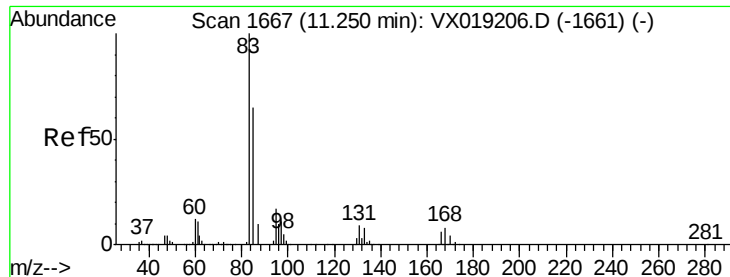
Tot Ion:106 Resp: 42889  
Ion Ratio Lower Upper  
106 100  
91 206.1 153.3 284.7



#55  
Styrene  
Concen: 7.484 ug/L  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX019205.D  
Acq: 02 Nov 2020 11:16

Tgt Ion:104 Resp: 69711  
Ion Ratio Lower Upper  
104 100  
78 45.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 6.861 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

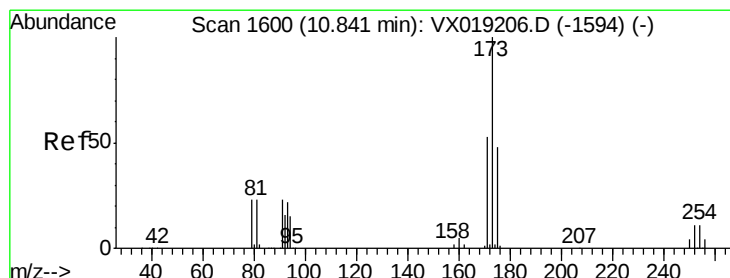
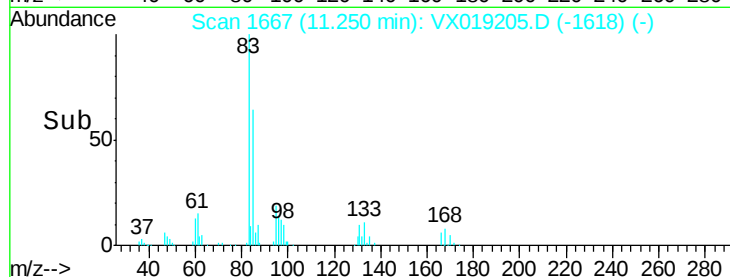
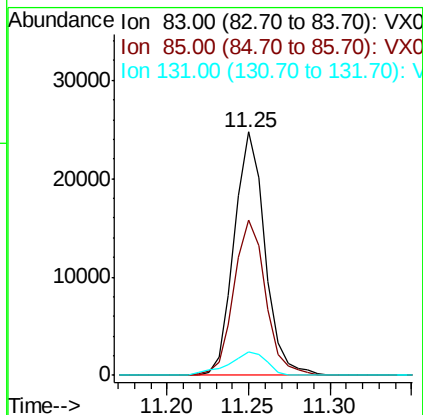
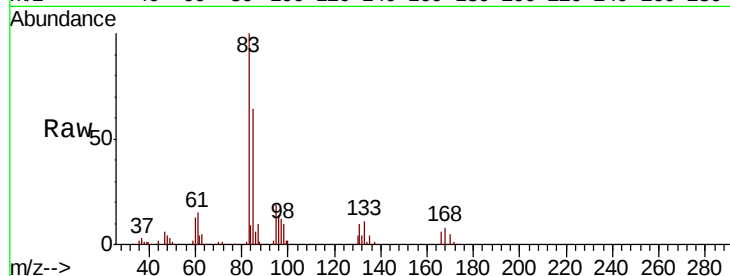
Tot Ion: 83 Resp: 32466

Ion Ratio Lower Upper

83 100

85 63.9 45.9 85.3

131 9.8 7.7 11.5



#59

Bromoform

Concen: 6.450 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

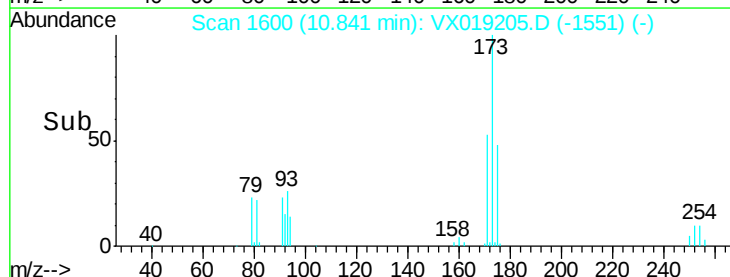
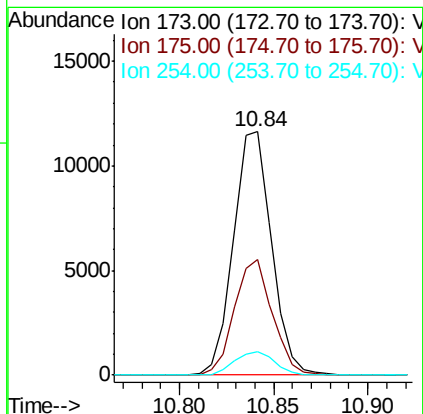
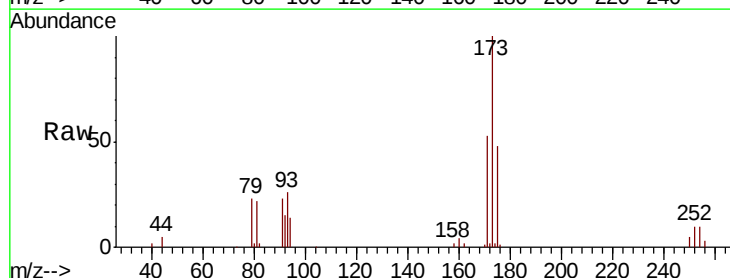
Tgt Ion: 173 Resp: 16312

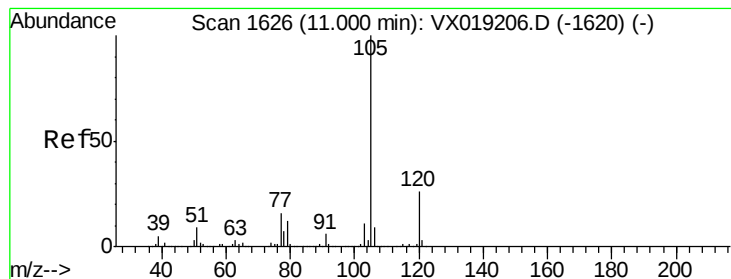
Ion Ratio Lower Upper

173 100

175 47.2 39.7 59.5

254 10.1 8.2 12.4





#60

Isopropylbenzene

Concen: 9.006 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

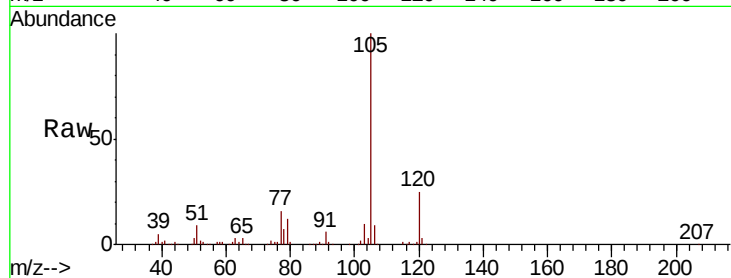
Tot Ion:105 Resp: 116104

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

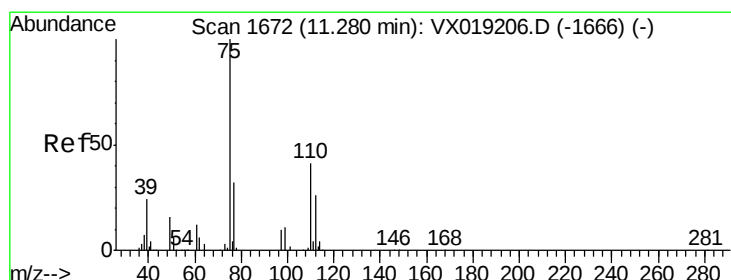
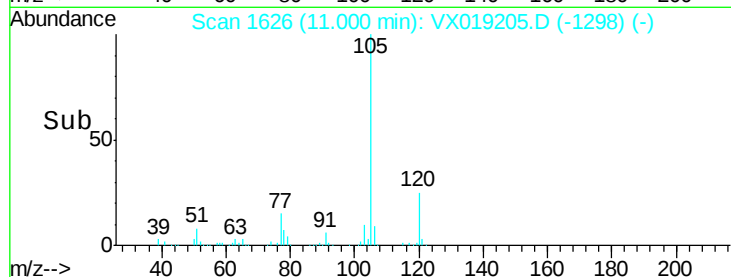
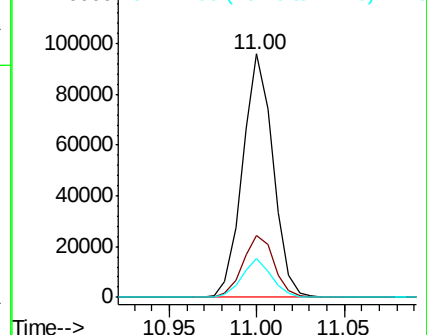
77 15.7 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 7.787 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

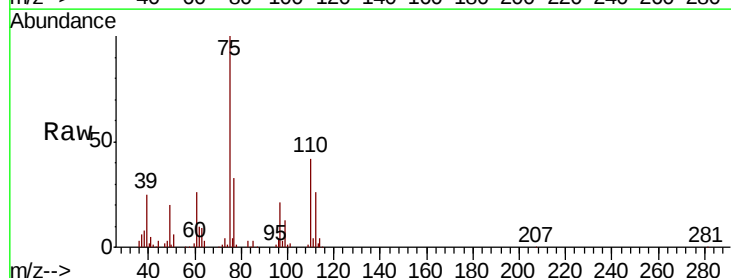
Tgt Ion: 75 Resp: 27897

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

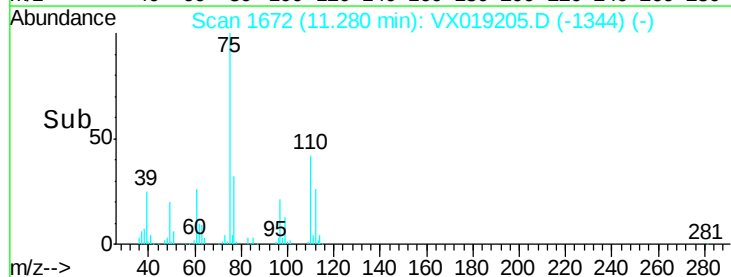
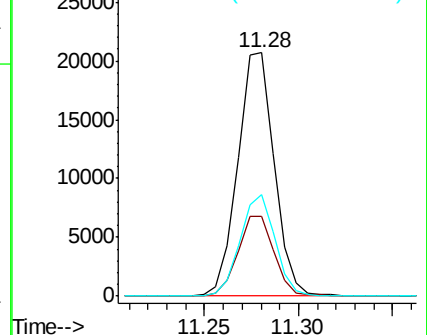
110 39.7 32.2 48.2

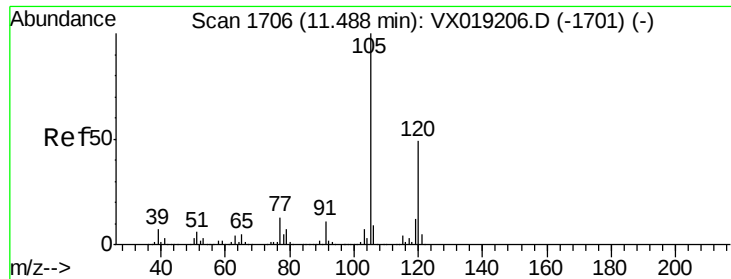


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 8.579 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

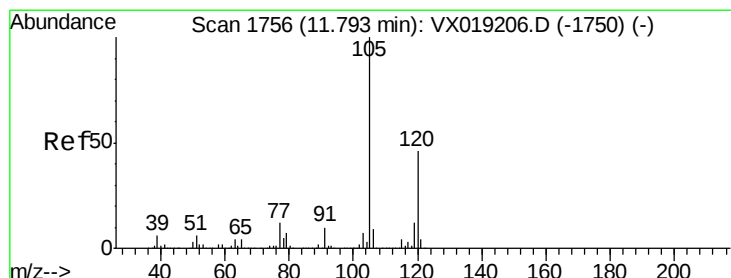
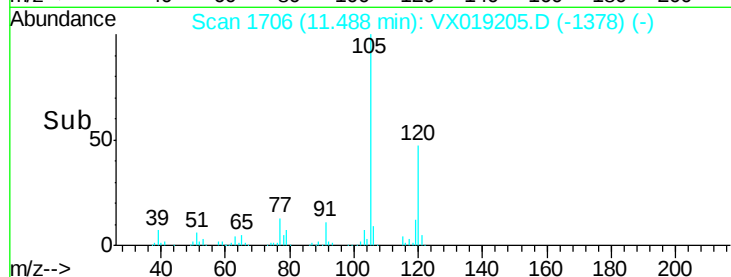
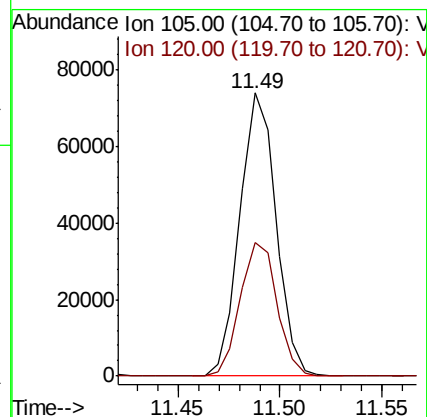
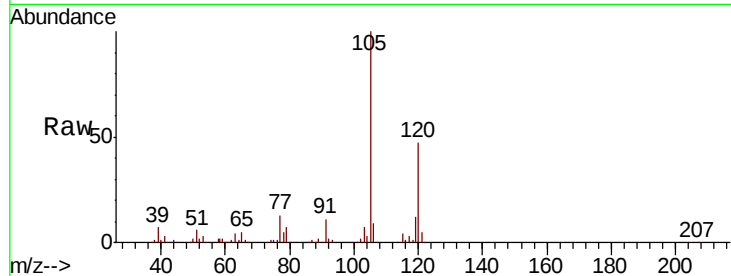
ClientSampled :

Tot Ion:105 Resp: 91285

Ion Ratio Lower Upper

105 100

120 48.1 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 7.935 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019205.D

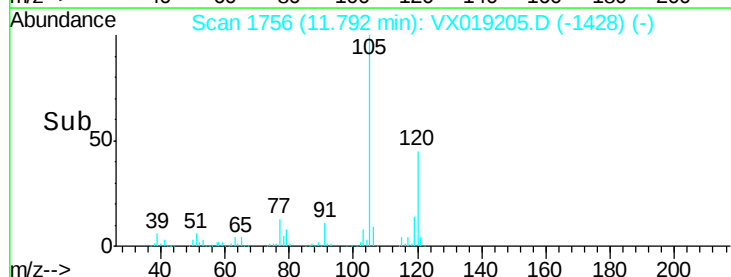
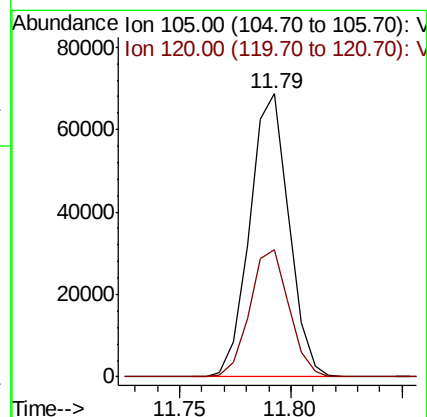
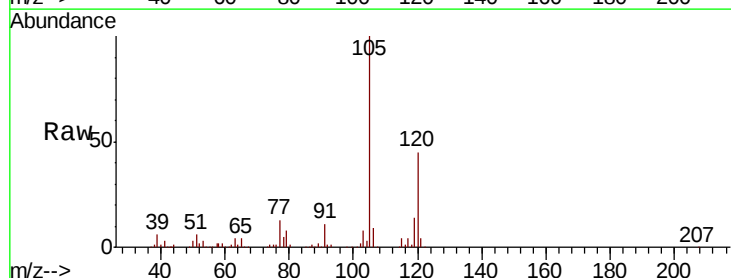
Acq: 02 Nov 2020 11:16

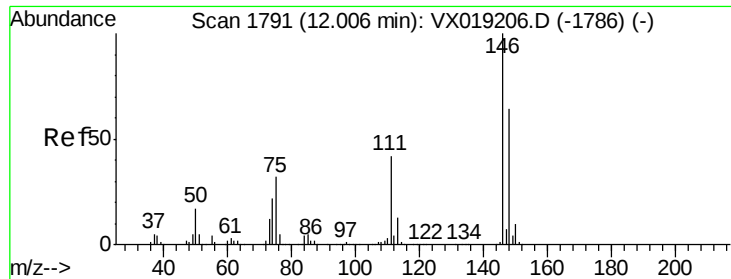
Tgt Ion:105 Resp: 84574

Ion Ratio Lower Upper

105 100

120 45.0 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 7.875 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampled :

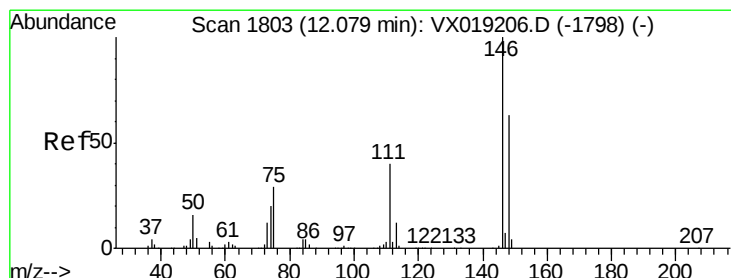
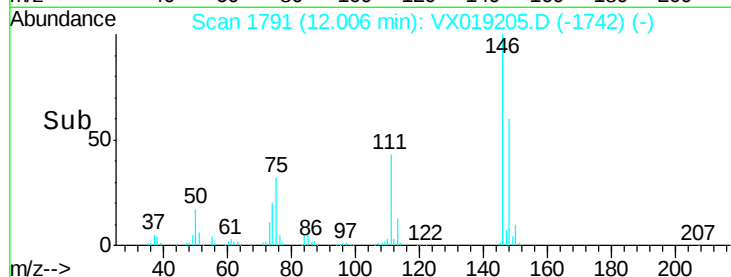
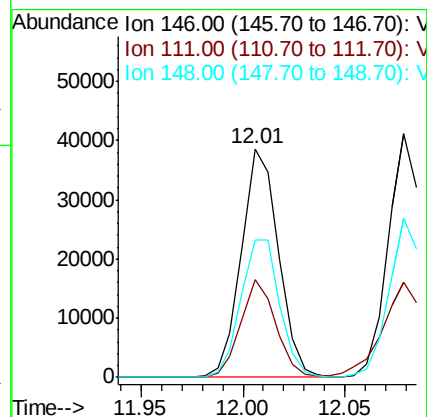
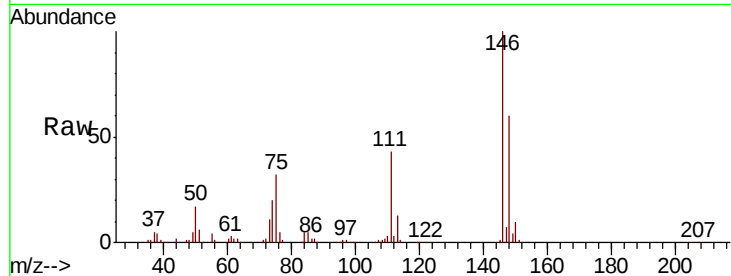
Tot Ion:146 Resp: 48863

Ion Ratio Lower Upper

146 100

111 42.6 29.7 55.1

148 60.3 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 7.971 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

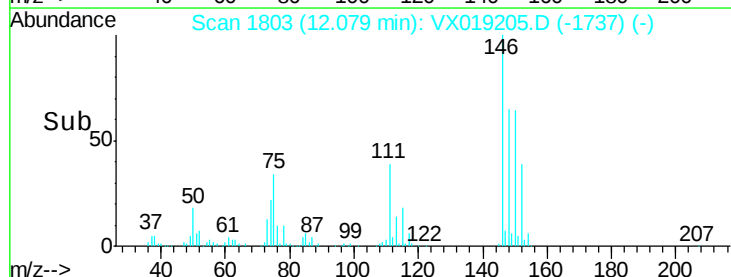
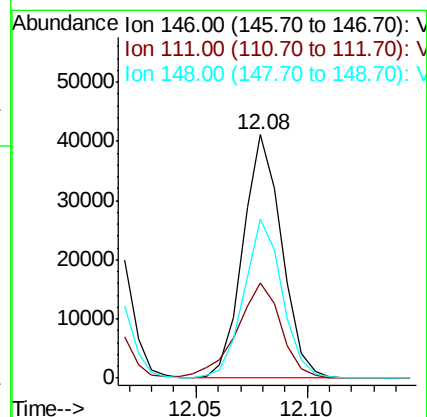
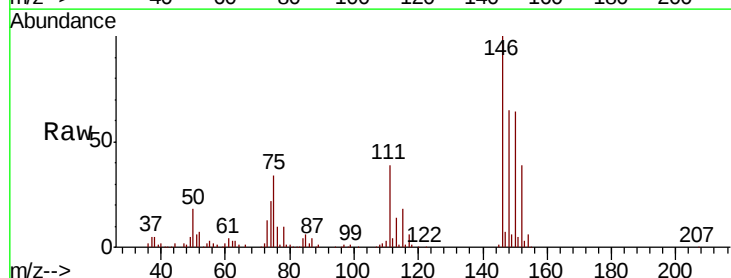
Tgt Ion:146 Resp: 49924

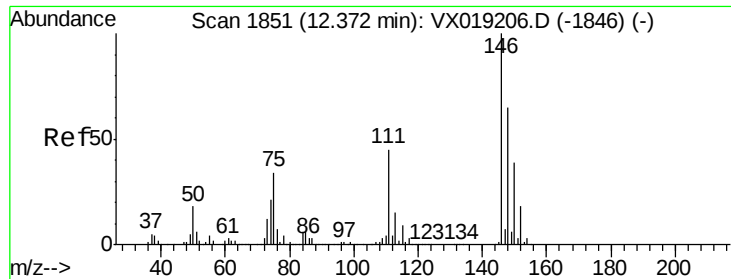
Ion Ratio Lower Upper

146 100

111 39.2 28.1 52.3

148 65.5 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 8.018 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

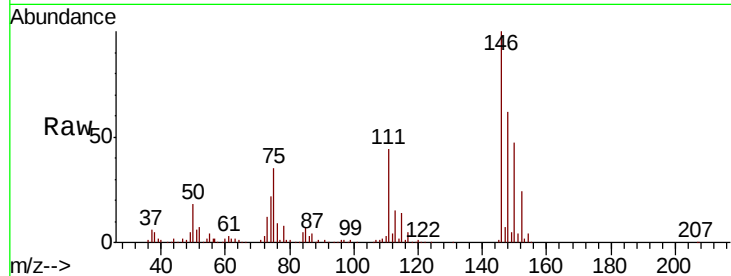
Tot Ion:146 Resp: 47914

Ion Ratio Lower Upper

146 100

111 43.9 35.9 53.9

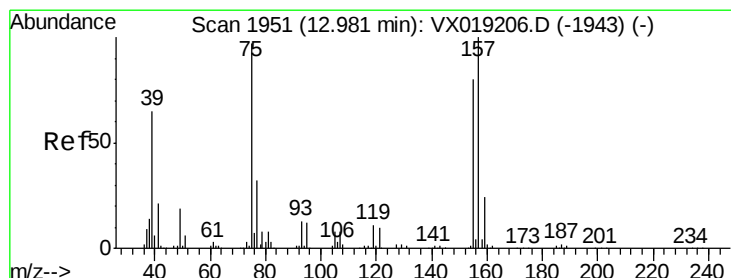
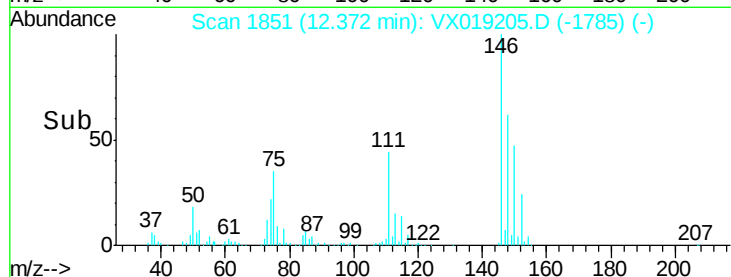
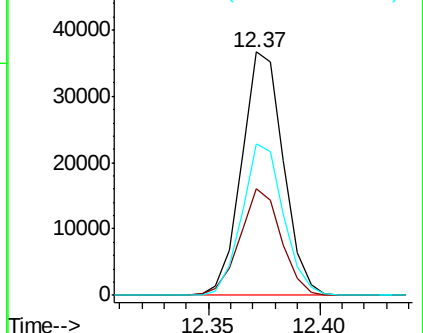
148 62.1 52.2 78.4



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



#68

1,2-Dibromo-3-chloropropane

Concen: 7.101 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

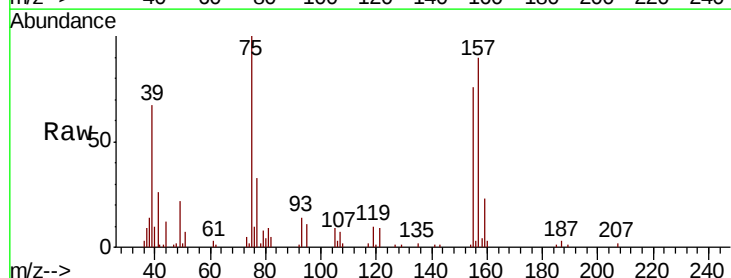
Tgt Ion: 75 Resp: 7293

Ion Ratio Lower Upper

75 100

155 75.6 65.8 98.8

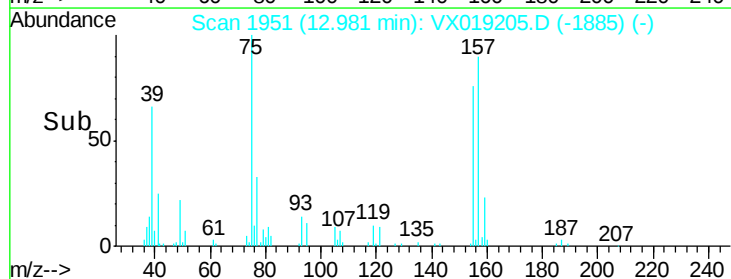
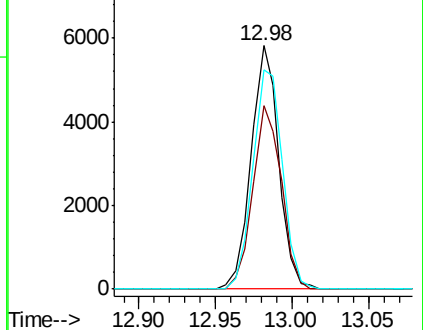
157 90.1 82.6 123.8

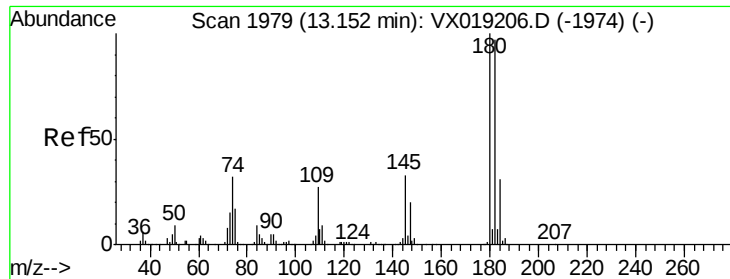


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 8.219 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion:180 Resp: 34263

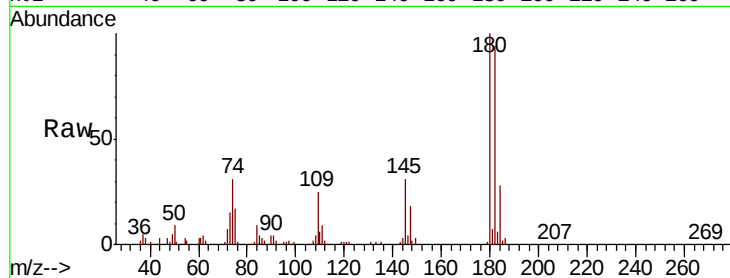
Ion Ratio Lower Upper

180 100

182 91.2 78.8 118.2

184 29.1 25.2 37.8

145 30.9 25.8 38.6

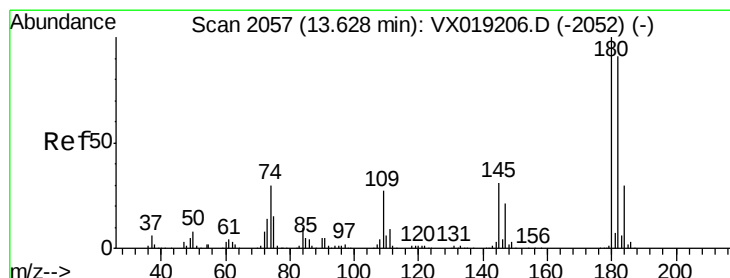
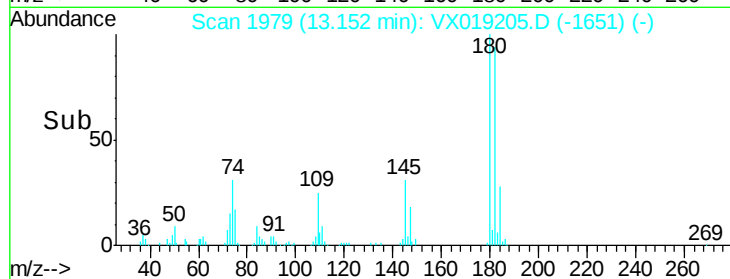
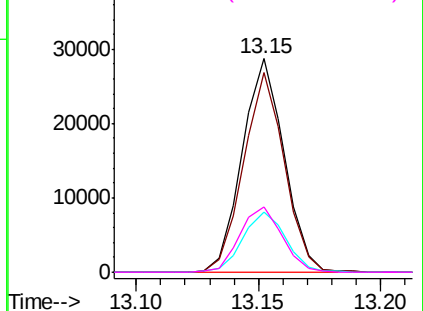


Abundance Ion 180.00 (179.70 to 180.70): V

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



#70

1,2,4-trichlorobenzene

Concen: 7.986 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

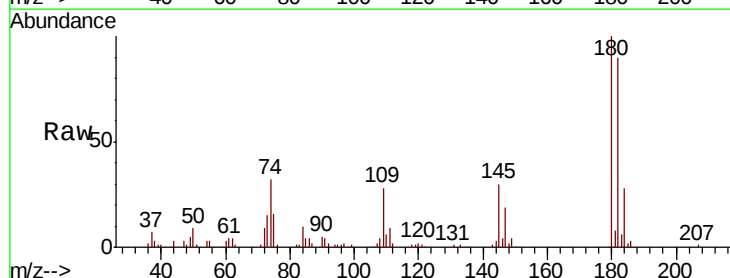
Tgt Ion:180 Resp: 30741

Ion Ratio Lower Upper

180 100

182 93.6 74.6 111.8

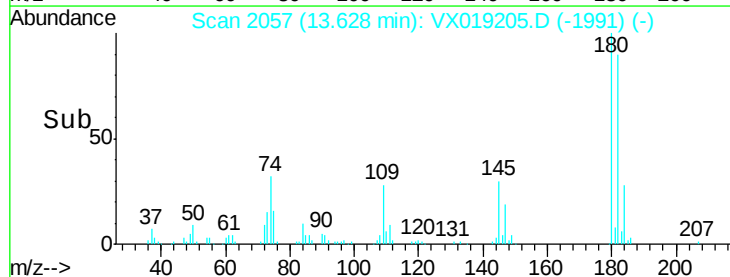
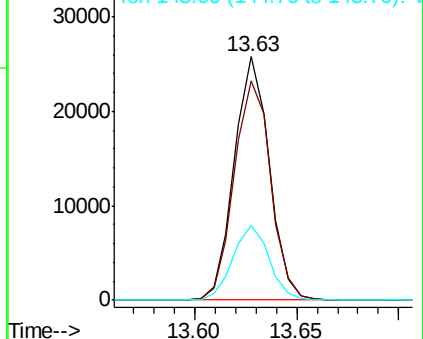
145 31.3 25.4 38.0

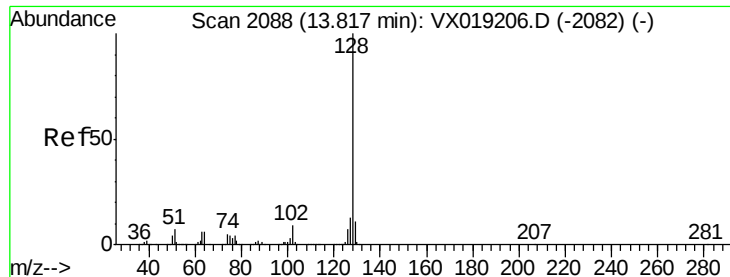


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 7.646 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

Instrument :

MSVOA\_X

ClientSampled :

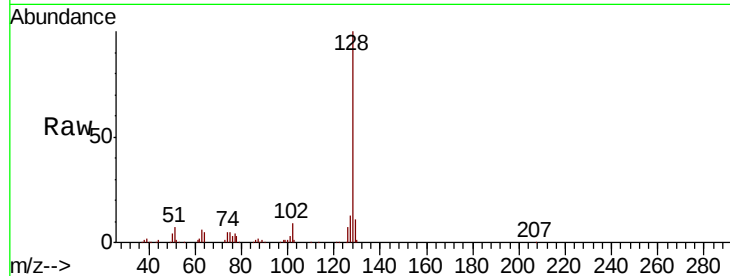
Tot Ion:128 Resp: 91771

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

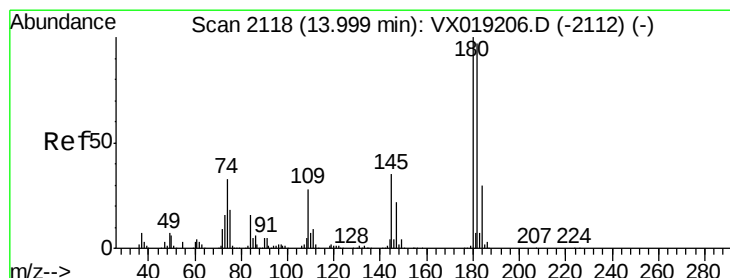
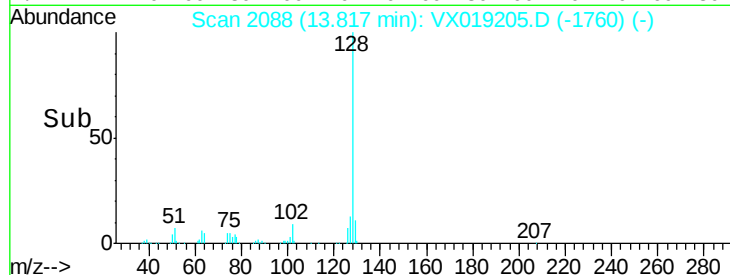
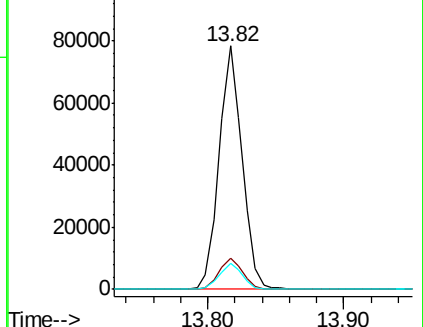
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 7.791 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019205.D

Acq: 02 Nov 2020 11:16

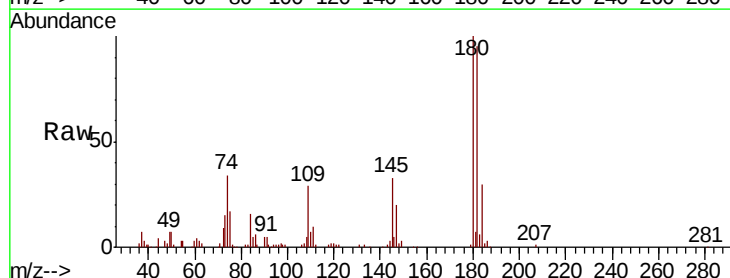
Tgt Ion:180 Resp: 29581

Ion Ratio Lower Upper

180 100

182 97.1 75.3 112.9

145 34.3 27.1 40.7



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

