

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091720\  
 Data File : VX018463.D  
 Acq On : 17 Sep 2020 12:39  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX091720

Quant Time: Sep 18 06:31:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 621224   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 969668   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 912443   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 487379   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 411269   | 46.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.60%  |      |
| 35) Dibromofluoromethane  | 5.46   | 113 | 322706   | 48.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.28%  |      |
| 50) Toluene-d8            | 8.70   | 98  | 1207465  | 49.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.16%  |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 487224   | 50.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.58% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 304136  | 51.638  | ug/l | 96     |
| 3) Chloromethane              | 1.31 | 50  | 359367  | 52.118  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.39 | 62  | 355109  | 48.646  | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 231327  | 51.632  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 201350  | 48.195  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 524528  | 47.299  | ug/l | 96     |
| 8) Diethyl Ether              | 2.17 | 74  | 178788  | 45.951  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 302569  | 50.690  | ug/l | 97     |
| 10) Methyl Iodide             | 2.49 | 142 | 327210  | 44.864  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.01 | 59  | 355994  | 232.812 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 299707  | 49.817  | ug/l | 90     |
| 13) Acrolein                  | 2.28 | 56  | 241182  | 249.101 | ug/l | 96     |
| 14) Allyl chloride            | 2.71 | 41  | 564613  | 48.430  | ug/l | 100    |
| 15) Acrylonitrile             | 3.12 | 53  | 894078  | 245.053 | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 801387  | 238.442 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.55 | 76  | 882161  | 49.098  | ug/l | 97     |
| 18) Methyl Acetate            | 2.75 | 43  | 402341  | 48.316  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 1050178 | 49.727  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 340522  | 45.920  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 329785  | 47.167  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.82 | 45  | 1093324 | 49.892  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.78 | 43  | 4925949 | 253.674 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 610258  | 48.287  | ug/l | 97     |
| 25) 2-Butanone                | 4.64 | 43  | 1294551 | 247.341 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 565485  | 48.427  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 376223  | 48.007  | ug/l | 100    |
| 28) Bromochloromethane        | 4.98 | 49  | 259633  | 43.902  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 824315  | 249.881 | ug/l | 100    |
| 30) Chloroform                | 5.18 | 83  | 623283  | 48.607  | ug/l | 99     |
| 31) Cyclohexane               | 5.55 | 56  | 541966  | 50.960  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 573950  | 47.711  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 477566  | 50.742  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.79 | 43  | 501468  | 49.896  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 519027  | 49.794  | ug/l | 93     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX091720

Quant Time: Sep 18 06:31:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 555659   | 52.551  | ug/l  | 98       |
| 40) Benzene                    | 6.12  | 78   | 1346652  | 49.927  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.01  | 41   | 279554   | 50.059  | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 514114   | 48.995  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 838000   | 50.247  | ug/l  | 100      |
| 44) Trichloroethene            | 7.19  | 130  | 385650   | 49.391  | ug/l  | 97       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 362038   | 48.903  | ug/l  | 99       |
| 46) Dibromomethane             | 7.64  | 93   | 245290   | 48.226  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.88  | 83   | 513307   | 50.076  | ug/l  | 96       |
| 48) Methyl methacrylate        | 7.74  | 41   | 421479   | 51.921  | ug/l  | 99       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 123525   | 920.924 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 2561683  | 257.969 | ug/l  | 99       |
| 52) Toluene                    | 8.77  | 92   | 856651   | 50.471  | ug/l  | 97       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 589080   | 50.576  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 620116   | 51.679  | ug/l  | 96       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 353153   | 50.143  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 538436   | 51.559  | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 589316   | 49.803  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 1451927  | 261.505 | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 1978691  | 261.974 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 411773   | 49.032  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 387101   | 51.658  | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.32  | 164  | 340592   | 47.413  | ug/l  | 97       |
| 65) Chlorobenzene              | 10.12 | 112  | 948398   | 50.478  | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 371034   | 49.228  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 1679454  | 51.642  | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.34 | 106  | 1272924  | 103.473 | ug/l  | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 604972   | 51.932  | ug/l  | 99       |
| 70) Styrene                    | 10.70 | 104  | 1057082  | 52.554  | ug/l  | 98       |
| 71) Bromoform                  | 10.84 | 173  | 321754   | 50.843  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.00 | 105  | 1672327  | 51.363  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 764807   | 52.176  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 528903   | 49.078  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 667107   | 65.135  | ug/l  | 83       |
| 77) Bromobenzene               | 11.24 | 156  | 430196   | 47.887  | ug/l  | 97       |
| 78) n-propylbenzene            | 11.34 | 91   | 1935928  | 50.797  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 1150926  | 49.891  | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 1440237  | 51.724  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 203145   | 50.826  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 1382593  | 50.419  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 1399076  | 51.751  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 1458866  | 52.024  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 1668648  | 52.310  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 1530484  | 52.205  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 788606   | 48.823  | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 797374   | 48.687  | ug/l  | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 1424605  | 52.491  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.58 | 117  | 292537   | 49.983  | ug/l  | 95       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 732937   | 48.481  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 126587   | 48.386  | ug/l  | 95       |

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Acq On : 17 Sep 2020 12:39  
Operator : JC/SP  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

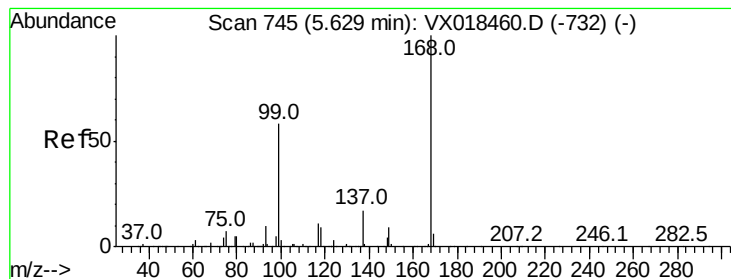
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

Quant Time: Sep 18 06:31:16 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 17 12:17:36 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 511497   | 48.613 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 214942   | 48.681 | ug/l  | 99       |
| 95) Naphthalene            | 13.82 | 128  | 1646465  | 51.814 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 497965   | 49.521 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

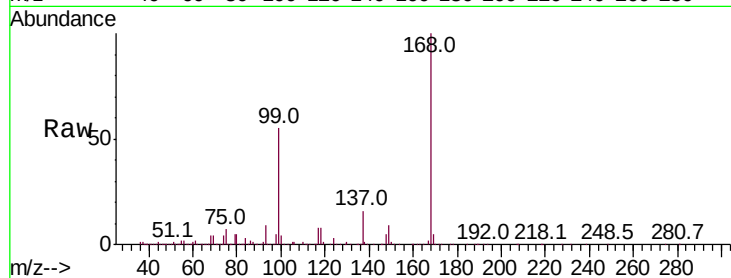
ICVVX091720

Tot Ion:168 Resp: 621224

Ion Ratio Lower Upper

168 100

99 54.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

250000

200000

150000

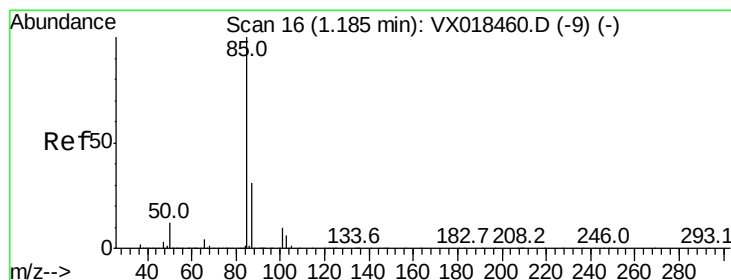
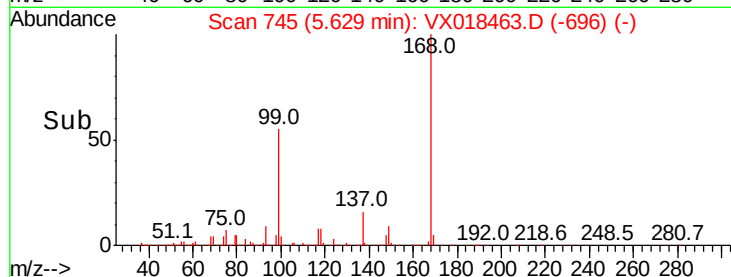
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 51.638 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018463.D

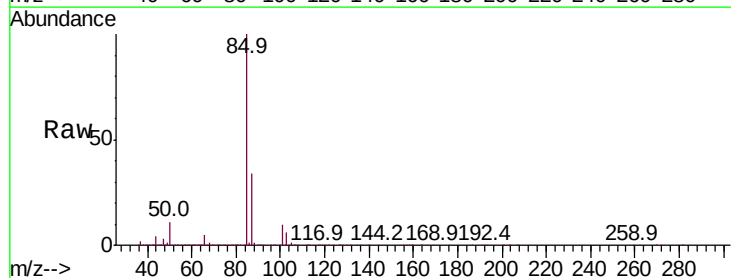
Acq: 17 Sep 2020 12:39

Tgt Ion: 85 Resp: 304136

Ion Ratio Lower Upper

85 100

87 33.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400000

300000

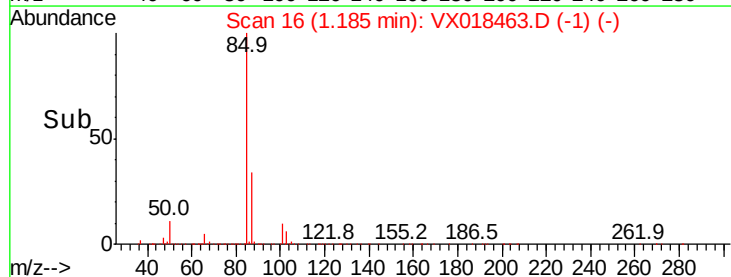
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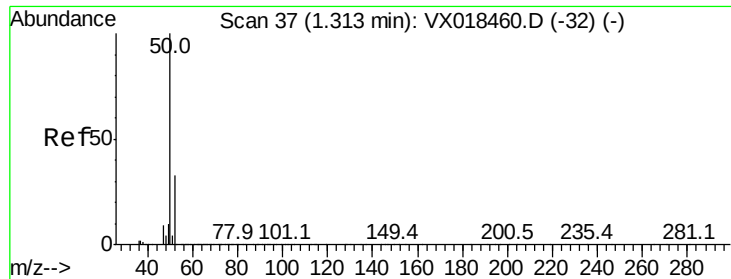
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Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.118 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

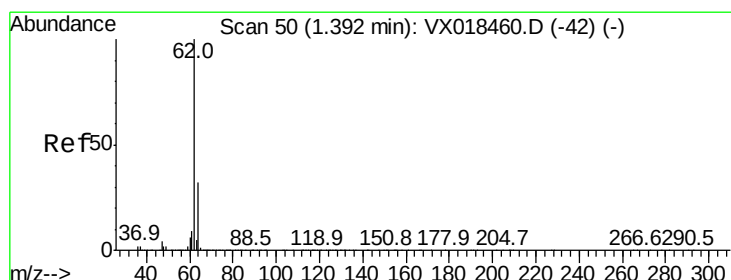
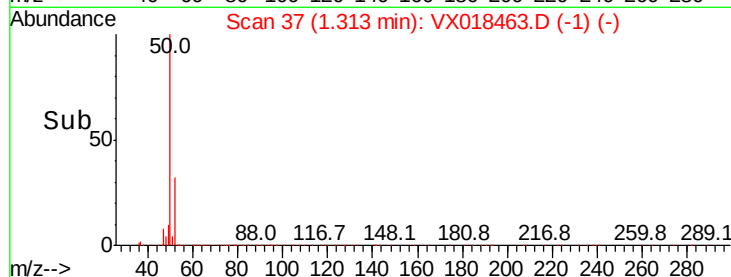
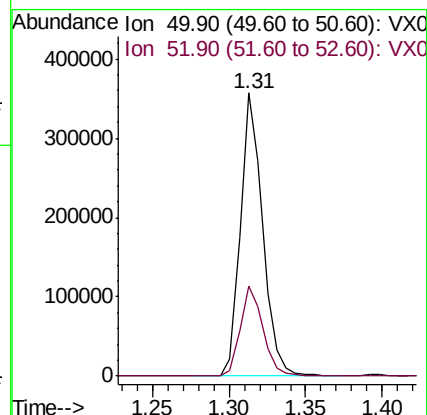
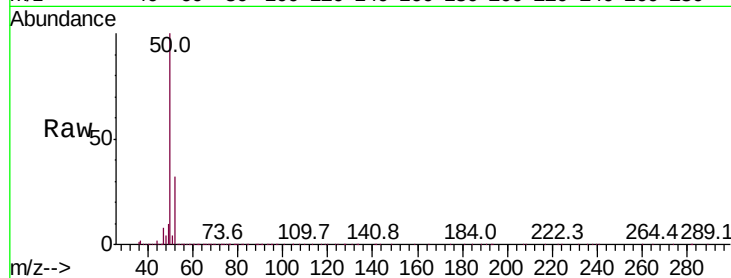
ICVVX091720

Tot Ion: 50 Resp: 359367

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0



#4

Vinyl Chloride

Concen: 48.646 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018463.D

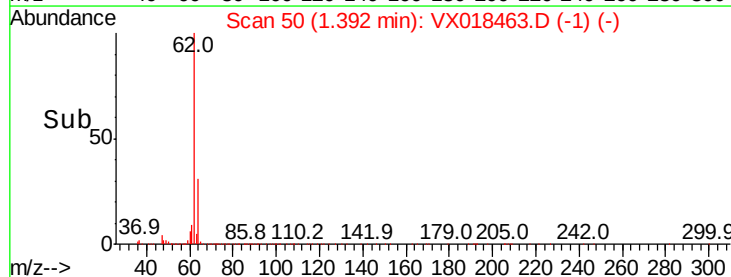
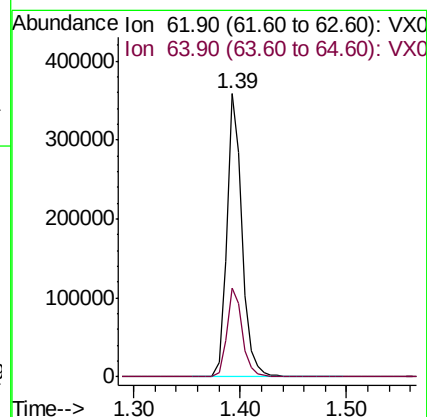
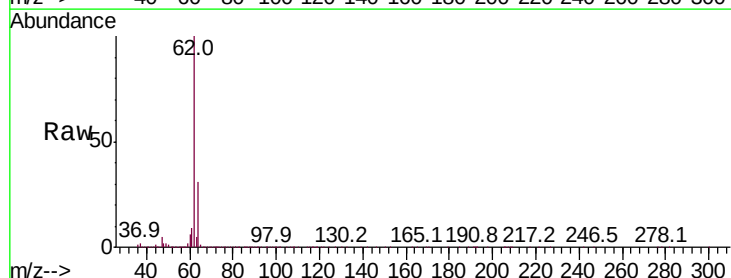
Acq: 17 Sep 2020 12:39

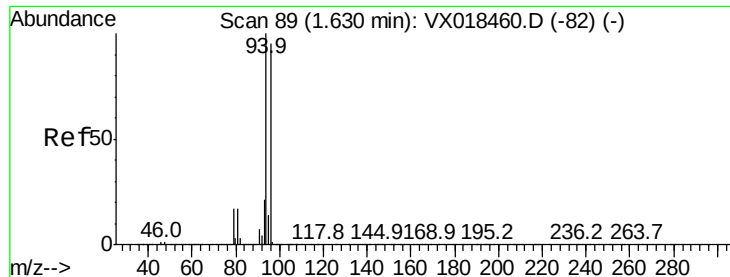
Tgt Ion: 62 Resp: 355109

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 51.632 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

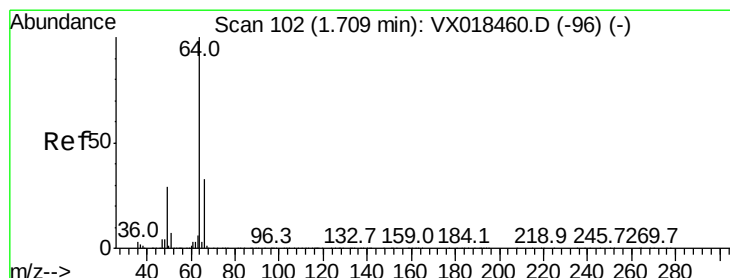
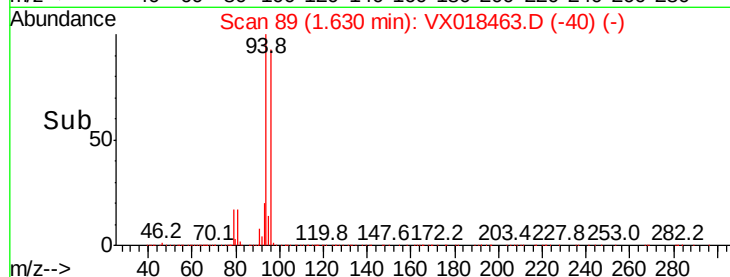
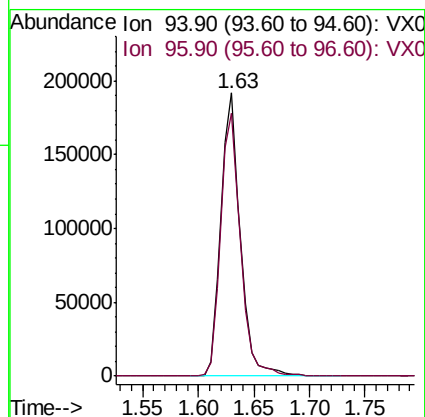
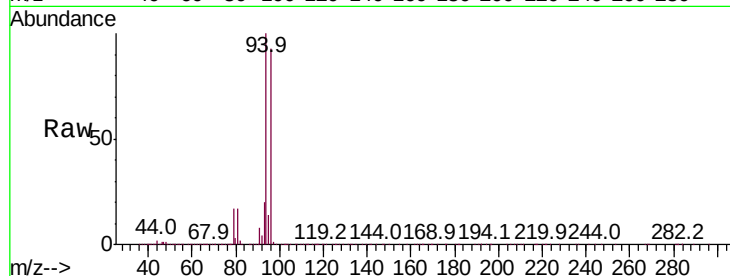
ICVVX091720

Tot Ion: 94 Resp: 231327

Ion Ratio Lower Upper

94 100

96 92.5 75.5 113.3



#6

Chloroethane

Concen: 48.195 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX018463.D

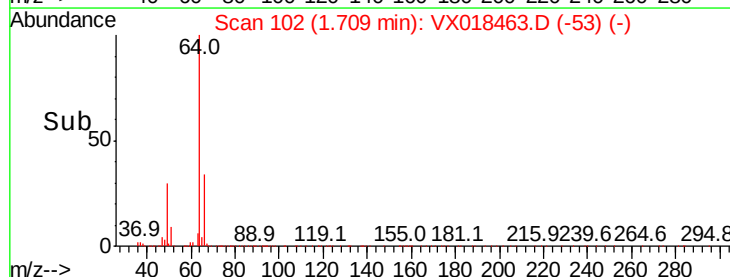
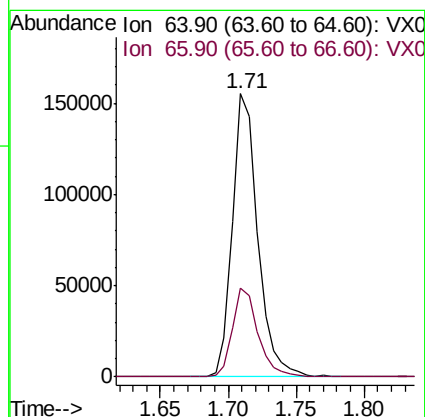
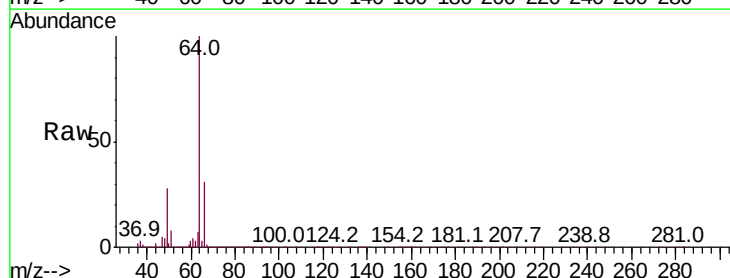
Acq: 17 Sep 2020 12:39

Tgt Ion: 64 Resp: 201350

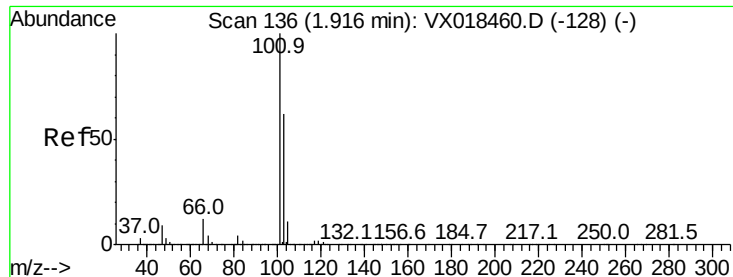
Ion Ratio Lower Upper

64 100

66 31.2 26.2 39.4





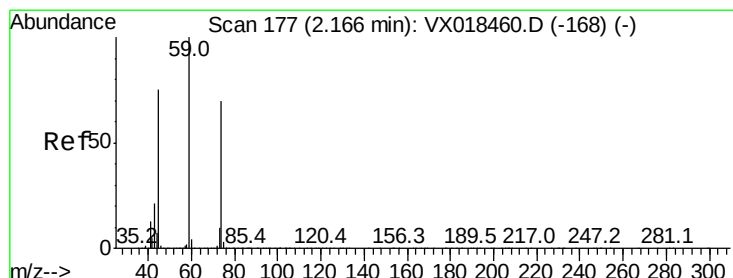
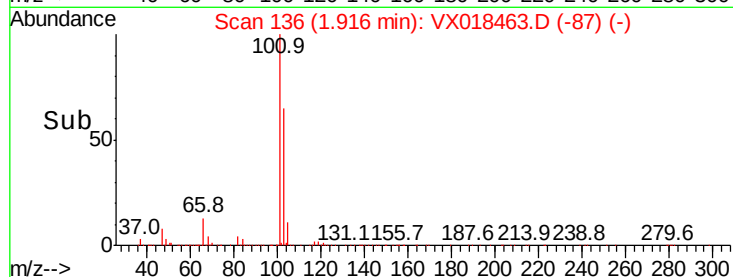
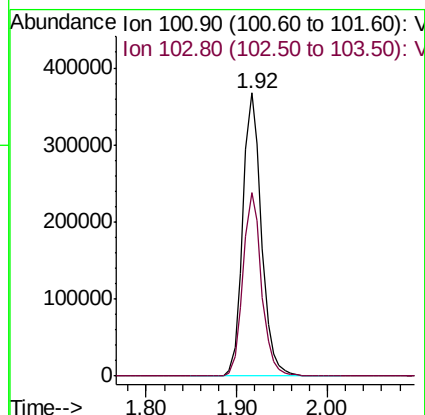
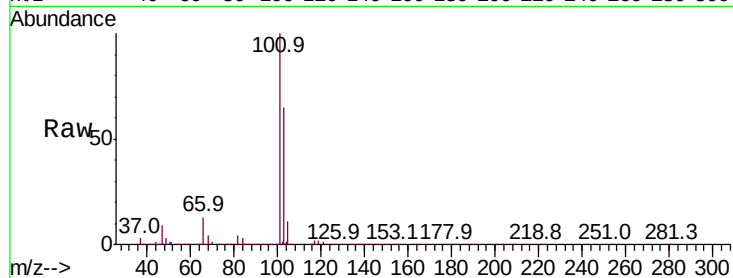


#7

Trichlorofluoromethane  
Concen: 47.299 ug/l  
RT: 1.92 min Scan# 136  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

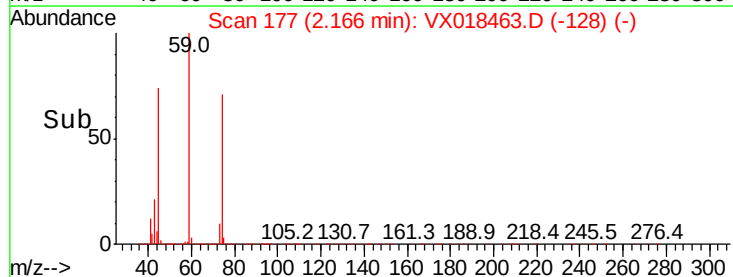
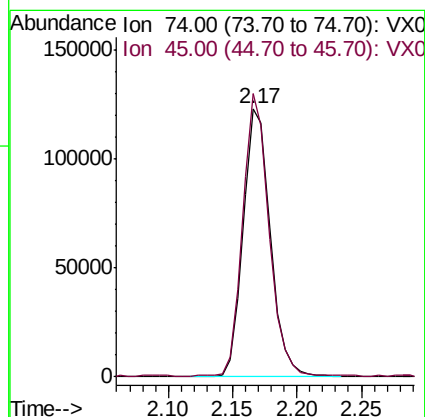
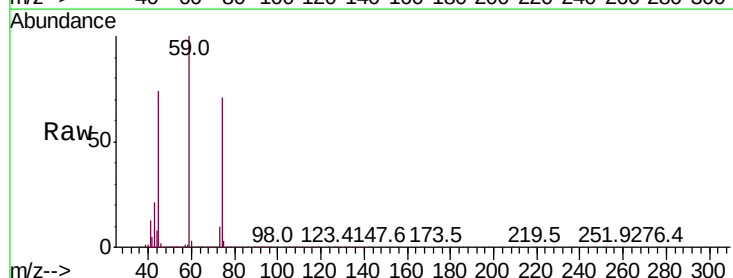
Tot Ion:101 Resp: 524528  
Ion Ratio Lower Upper  
101 100  
103 64.9 49.6 74.4



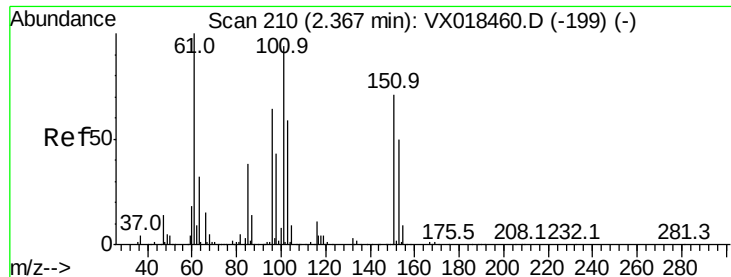
#8

Diethyl Ether  
Concen: 45.951 ug/l  
RT: 2.17 min Scan# 177  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 74 Resp: 178788  
Ion Ratio Lower Upper  
74 100  
45 102.2 50.7 152.1







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.690 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVX091720

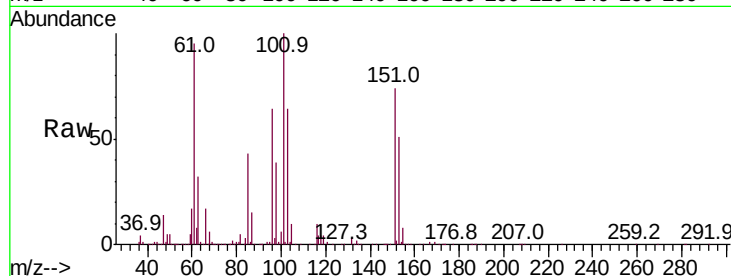
Tot Ion:101 Resp: 302569

Ion Ratio Lower Upper

101 100

85 43.0 34.7 52.1

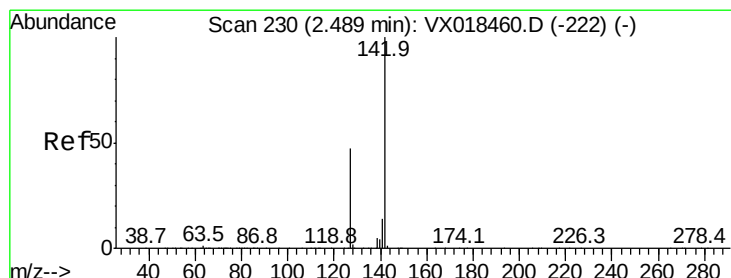
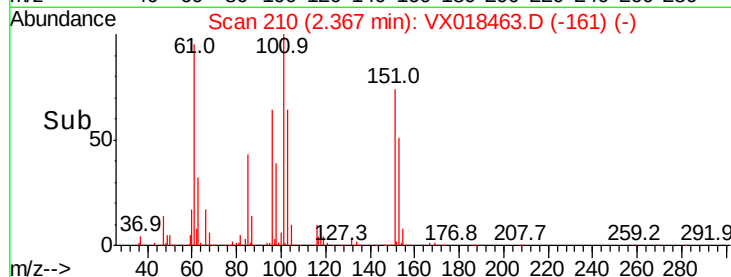
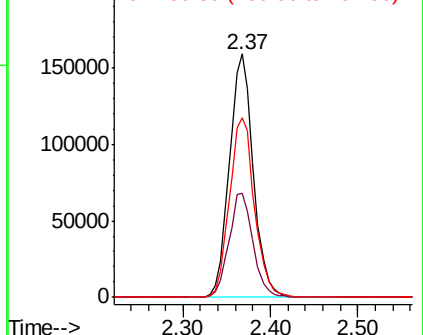
151 76.8 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.864 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

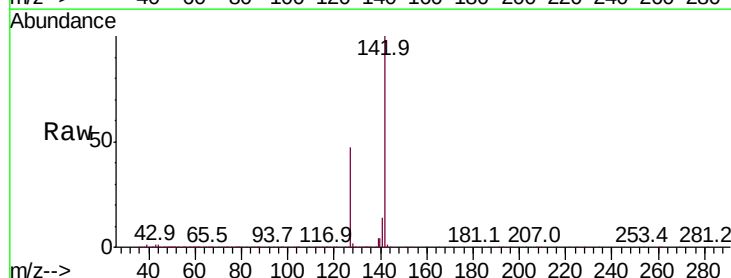
Tgt Ion:142 Resp: 327210

Ion Ratio Lower Upper

142 100

127 45.7 36.0 54.0

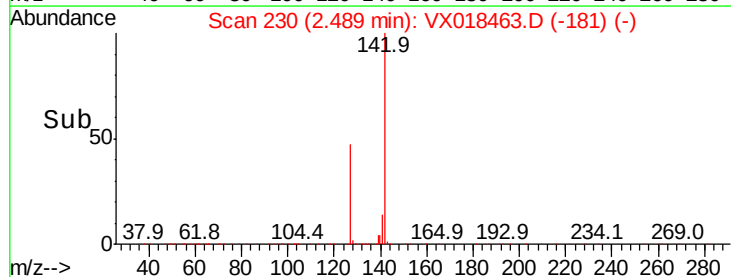
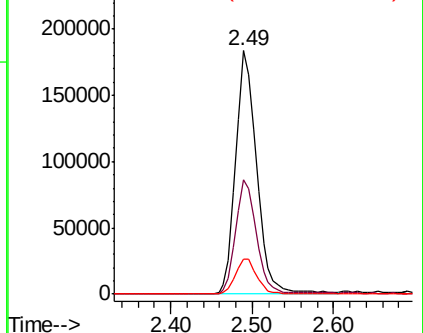
141 14.3 11.9 17.9

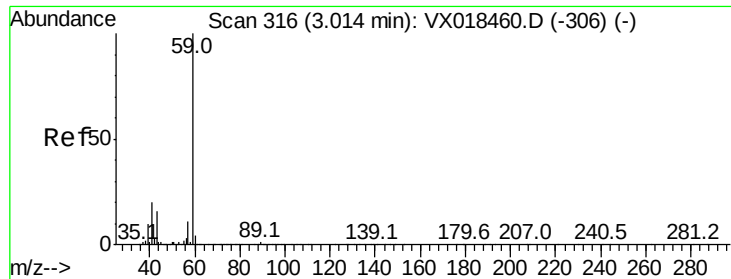


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

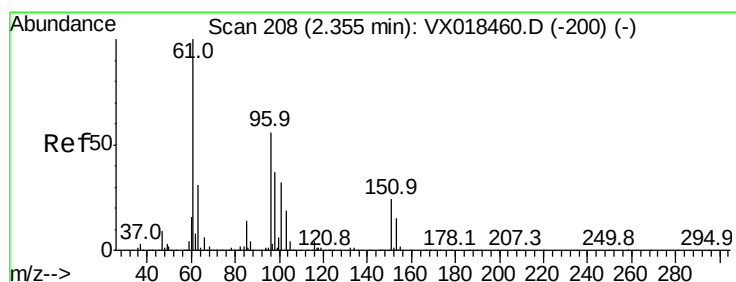
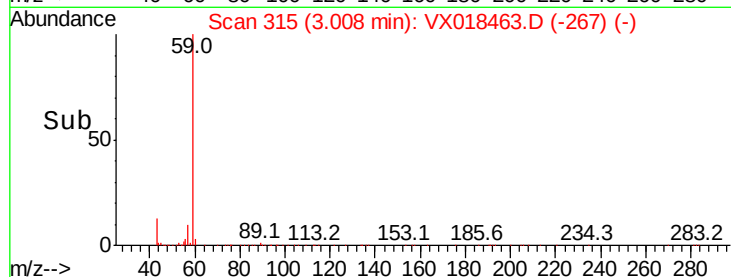
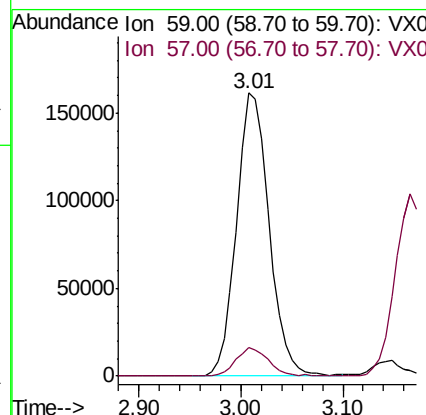
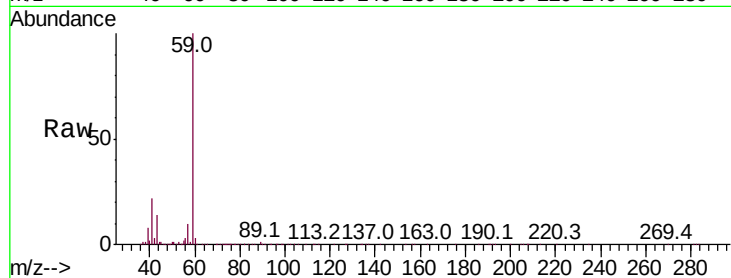




#11  
Tert butyl alcohol  
Concen: 232.812 ug/l  
RT: 3.01 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

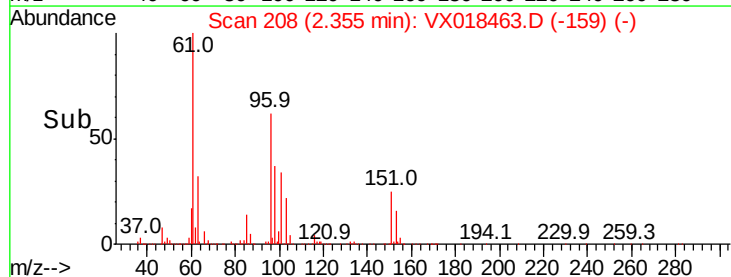
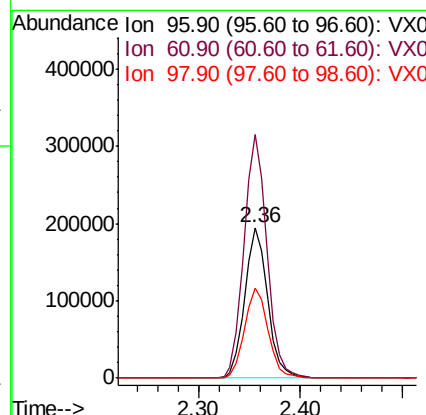
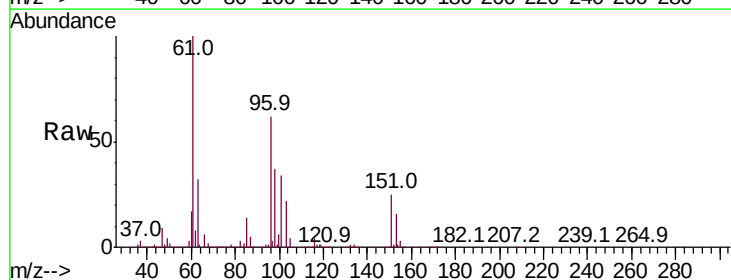
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

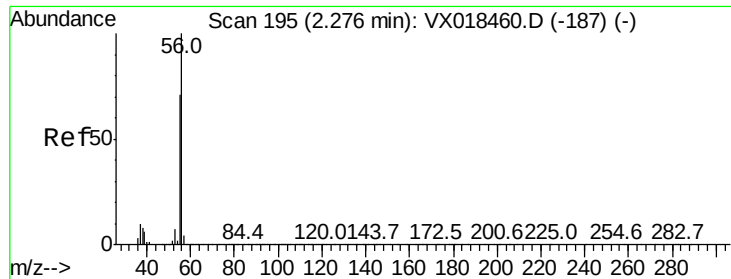
Tot Ion: 59 Resp: 355994  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 49.817 ug/l  
RT: 2.36 min Scan# 208  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 96 Resp: 299707  
Ion Ratio Lower Upper  
96 100  
61 161.9 142.2 213.4  
98 59.9 52.4 78.6

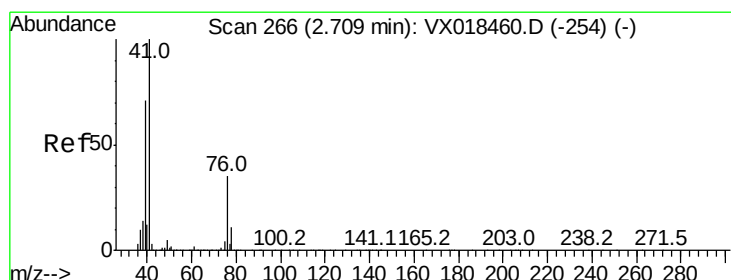
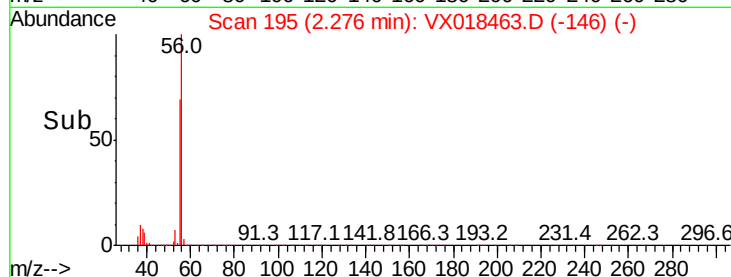
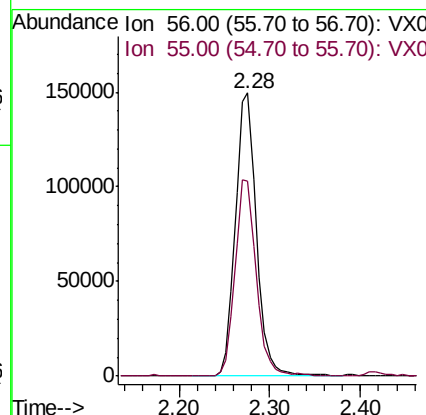
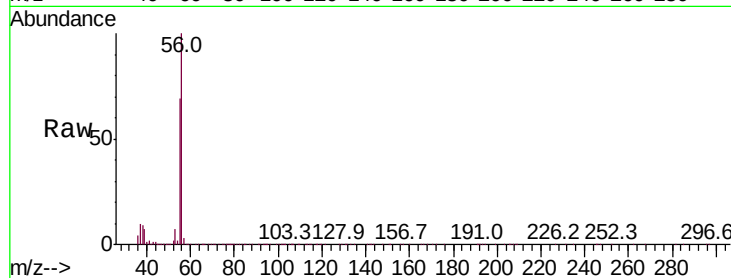




#13  
Acrolein  
Concen: 249.101 ug/l  
RT: 2.28 min Scan# 195  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

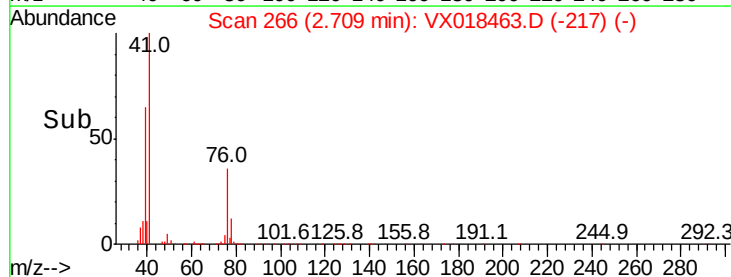
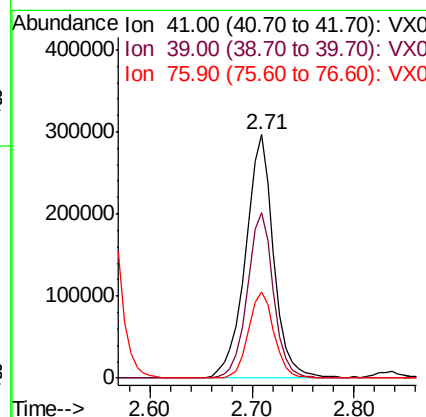
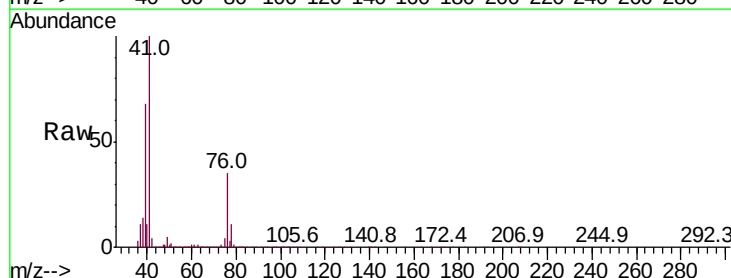
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

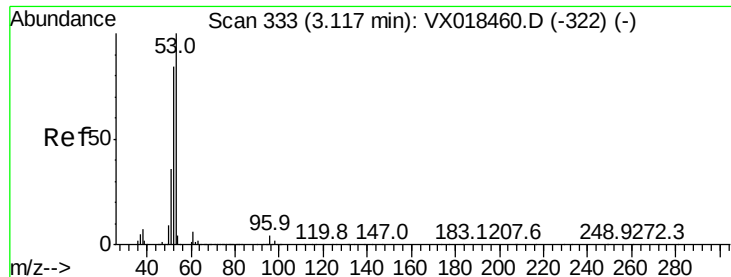
Tot Ion: 56 Resp: 241182  
Ion Ratio Lower Upper  
56 100  
55 69.5 58.2 87.4



#14  
Allyl chloride  
Concen: 48.430 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 41 Resp: 564613  
Ion Ratio Lower Upper  
41 100  
39 64.2 51.1 76.7  
76 32.4 26.0 39.0





#15

Acrylonitrile

Concen: 245.053 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVX091720

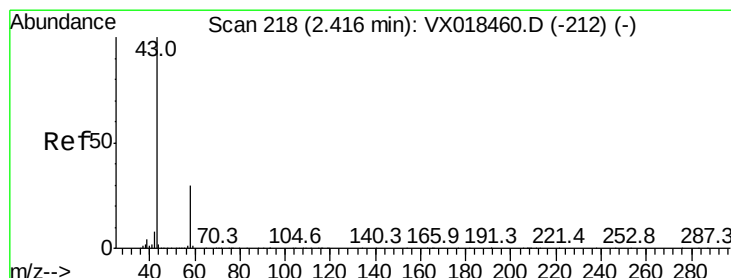
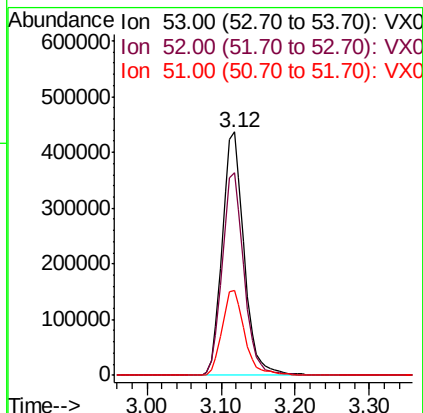
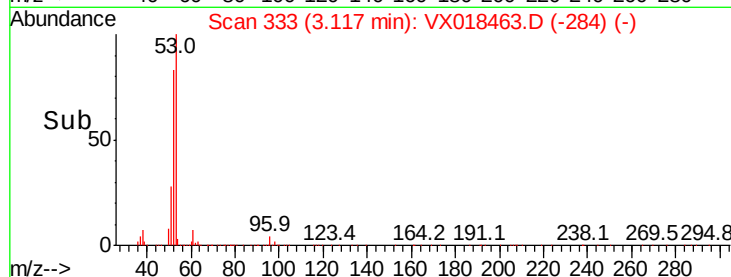
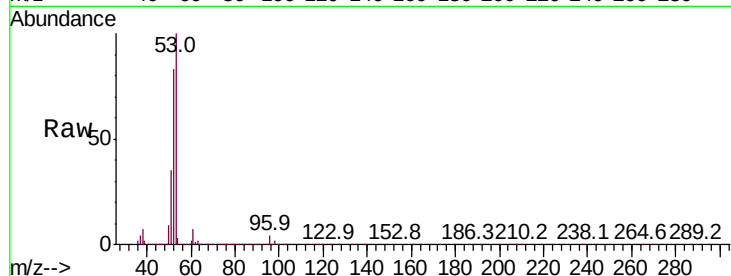
Tot Ion: 53 Resp: 894078

Ion Ratio Lower Upper

53 100

52 82.9 65.8 98.8

51 36.0 29.2 43.8



#16

Acetone

Concen: 238.442 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018463.D

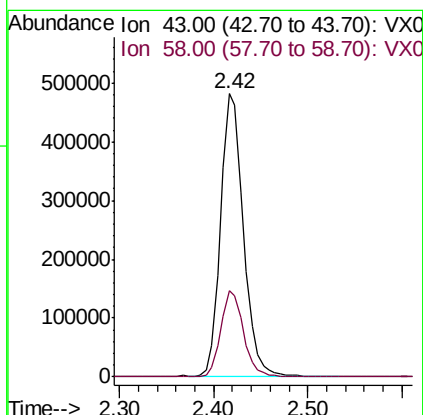
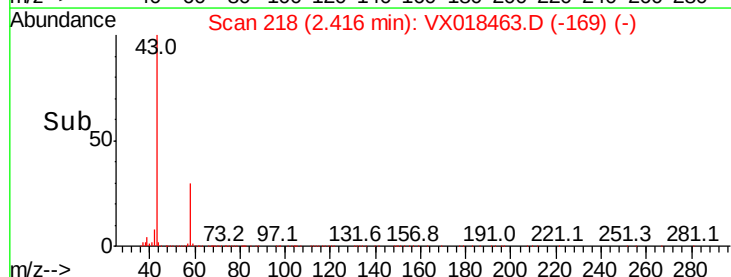
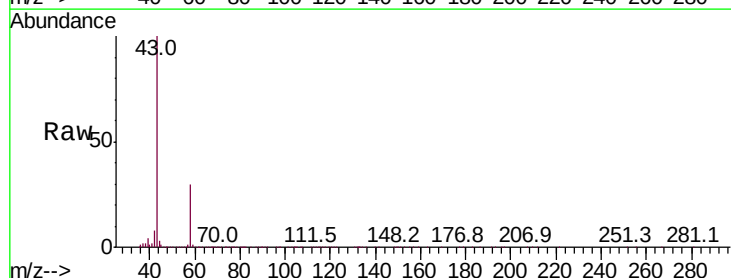
Acq: 17 Sep 2020 12:39

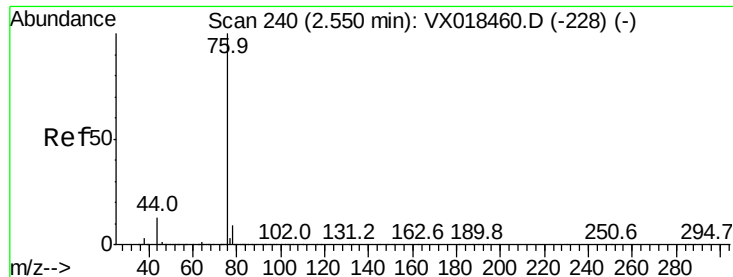
Tgt Ion: 43 Resp: 801387

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0





#17

Carbon Disulfide

Concen: 49.098 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

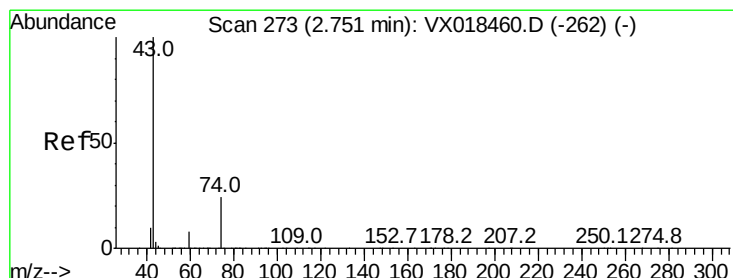
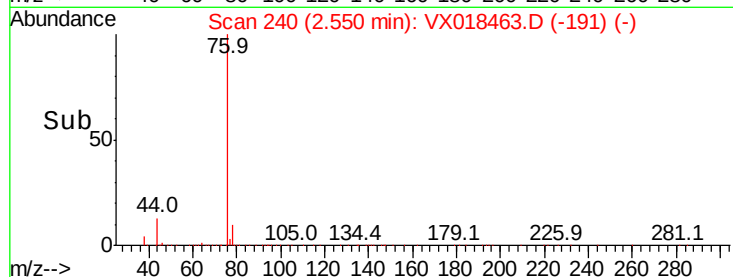
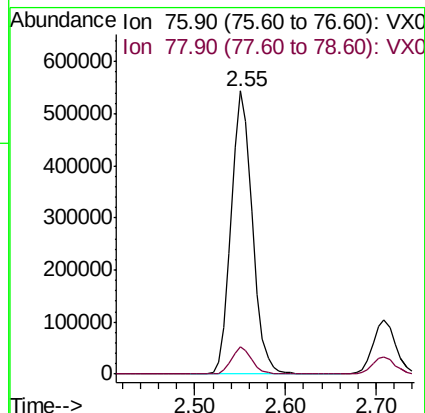
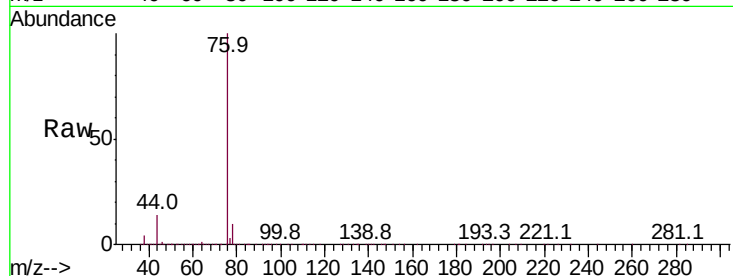
ICVVX091720

Tot Ion: 76 Resp: 882161

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.4



#18

Methyl Acetate

Concen: 48.316 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX018463.D

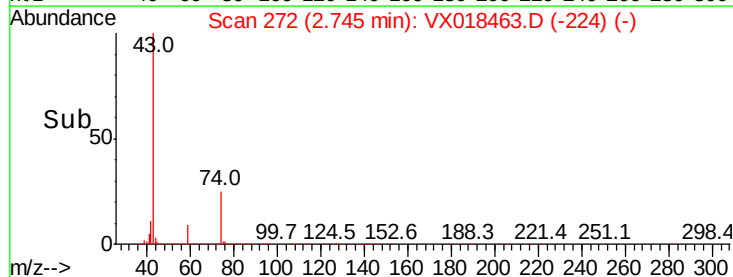
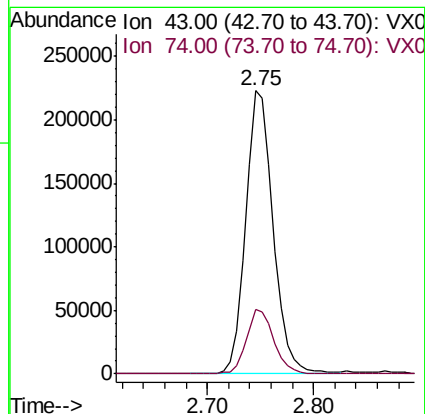
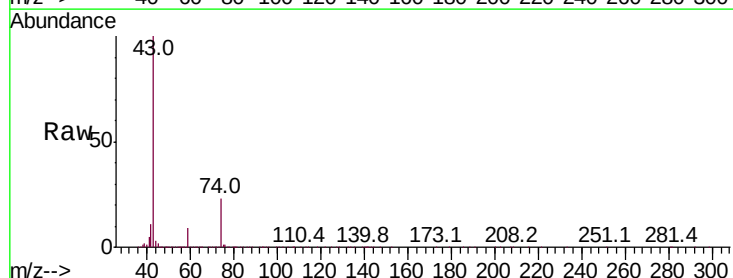
Acq: 17 Sep 2020 12:39

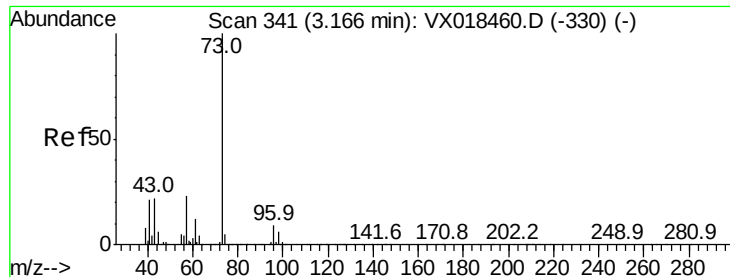
Tgt Ion: 43 Resp: 402341

Ion Ratio Lower Upper

43 100

74 23.1 18.3 27.5



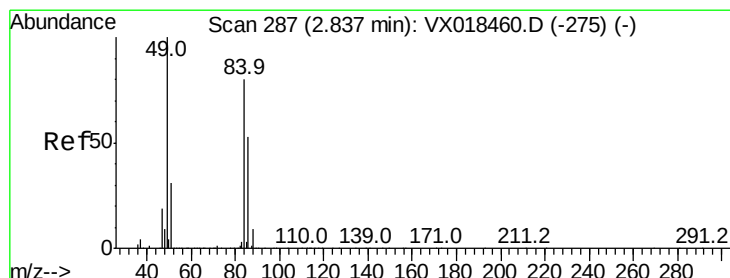
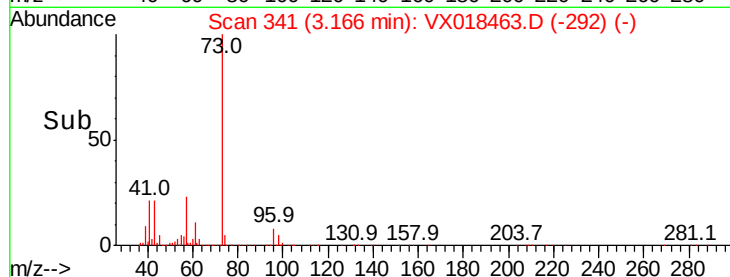
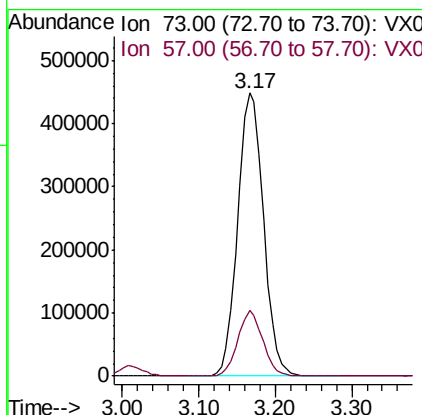
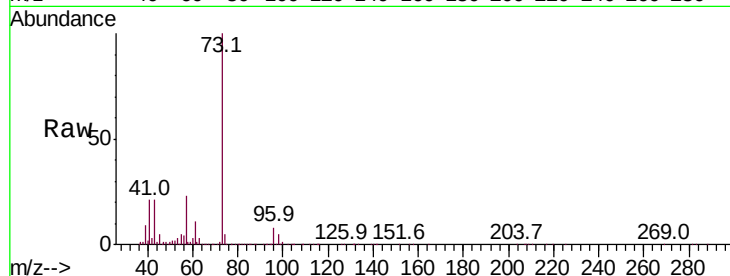


#19

Methyl tert-butyl Ether  
 Concen: 49.727 ug/l  
 RT: 3.17 min Scan# 341  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX091720

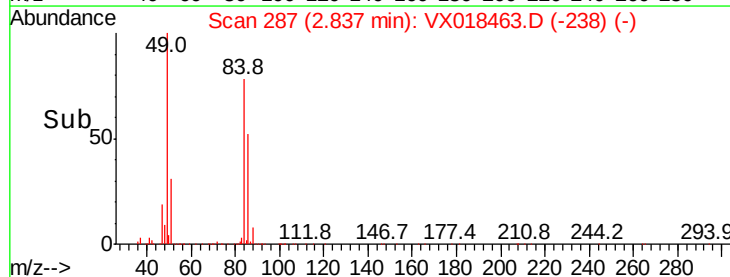
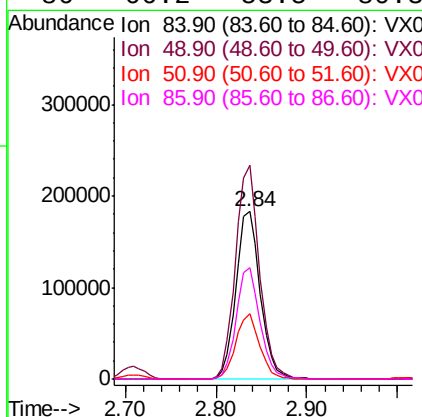
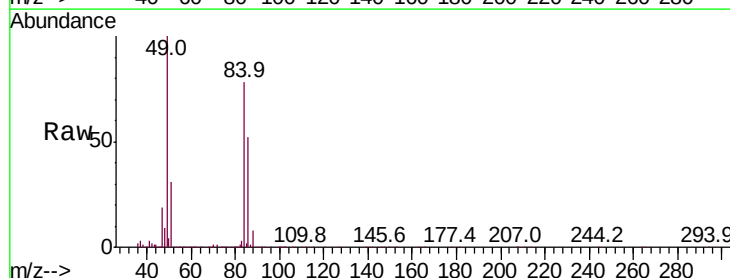
Tot Ion: 73 Resp: 1050178  
 Ion Ratio Lower Upper  
 73 100  
 57 23.1 18.0 27.0

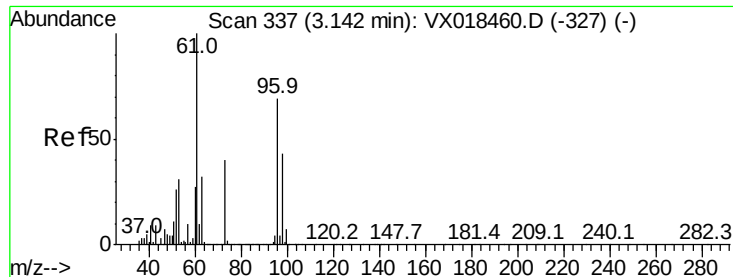


#20

Methylene Chloride  
 Concen: 45.920 ug/l  
 RT: 2.84 min Scan# 287  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

Tgt Ion: 84 Resp: 340522  
 Ion Ratio Lower Upper  
 84 100  
 49 127.4 100.6 151.0  
 51 39.2 30.9 46.3  
 86 66.2 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 47.167 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

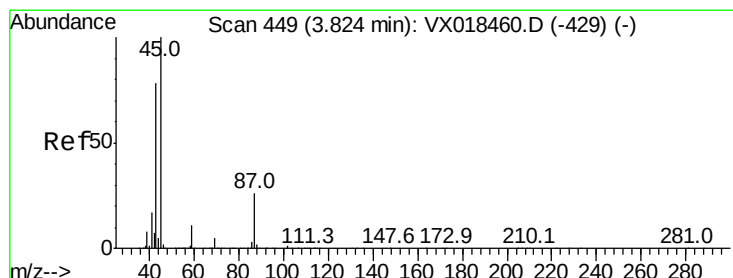
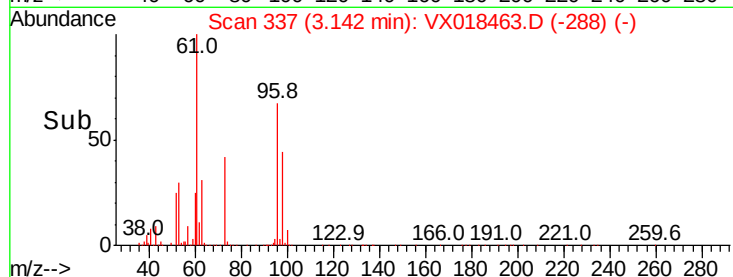
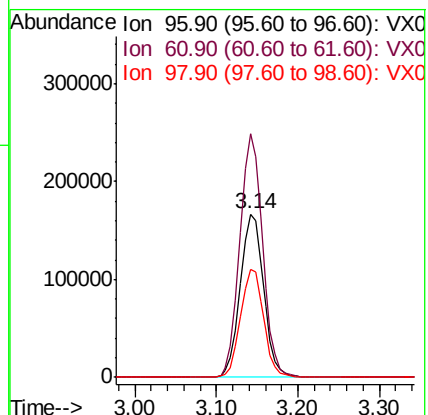
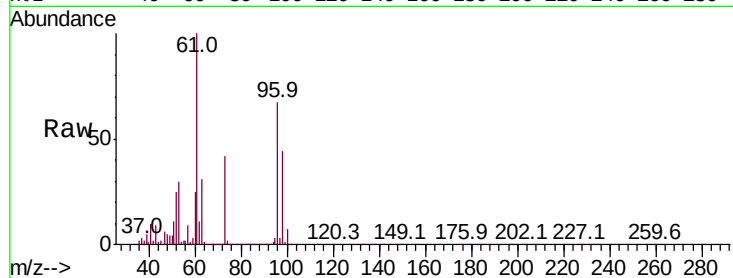
Tot Ion: 96 Resp: 329785

Ion Ratio Lower Upper

96 100

61 148.8 115.6 173.4

98 66.1 50.2 75.4



#22

Diisopropyl ether

Concen: 49.892 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Tgt Ion: 45 Resp: 1093324

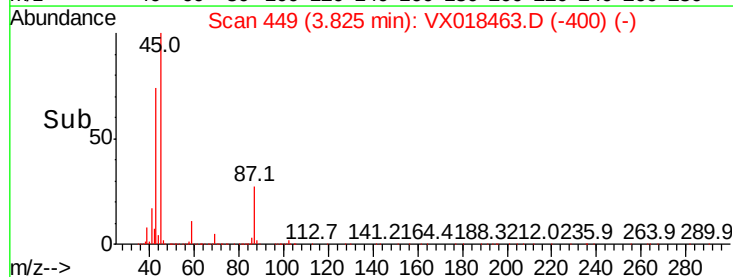
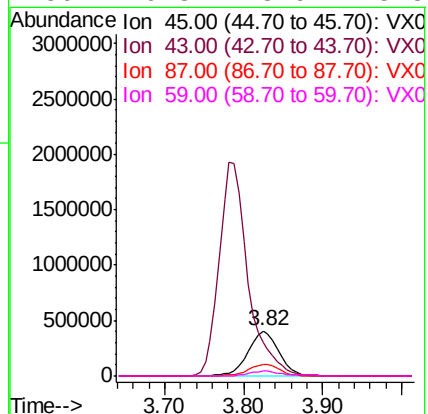
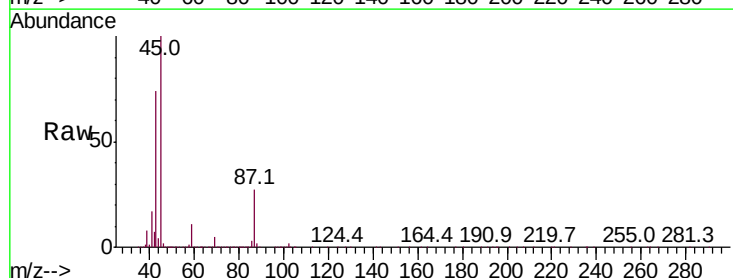
Ion Ratio Lower Upper

45 100

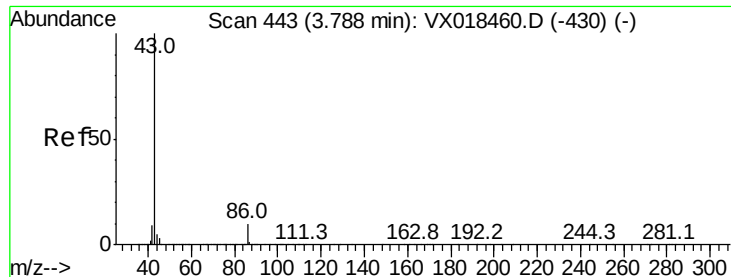
43 73.7 62.4 93.6

87 26.6 21.2 31.8

59 10.8 8.9 13.3







#23

Vinyl Acetate

Concen: 253.674 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

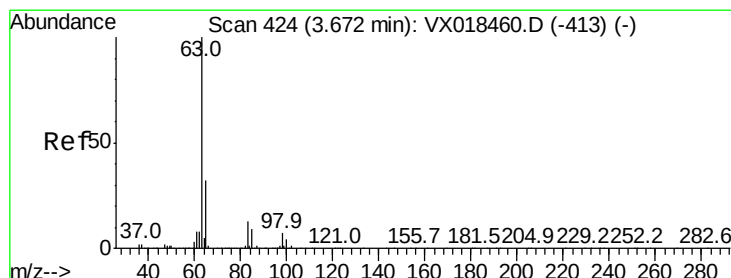
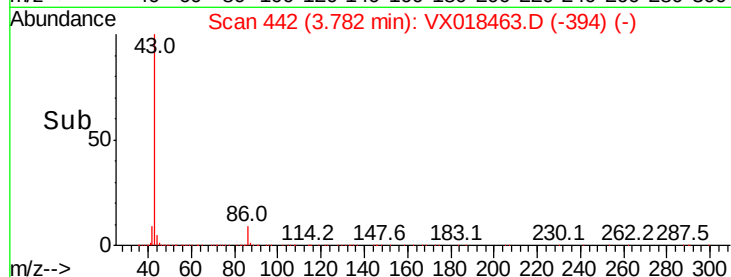
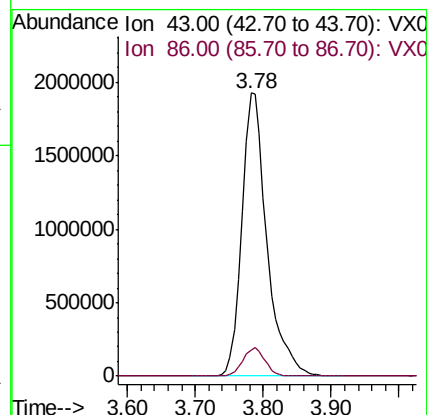
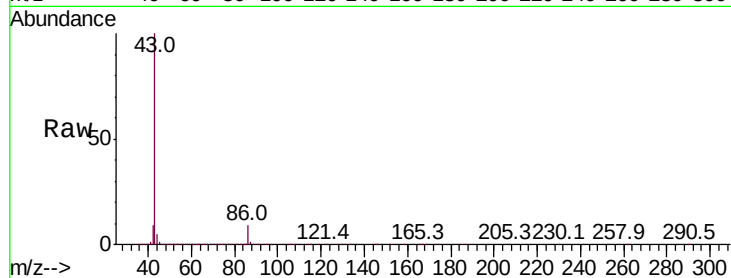
ICVVX091720

Tot Ion: 43 Resp: 4925949

Ion Ratio Lower Upper

43 100

86 9.4 8.1 12.1



#24

1,1-Dichloroethane

Concen: 48.287 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

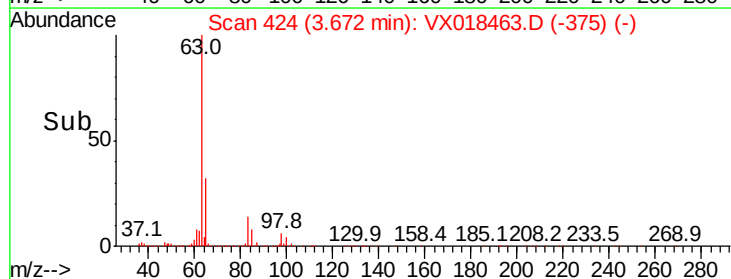
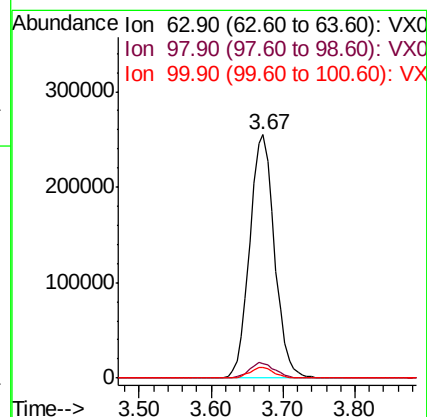
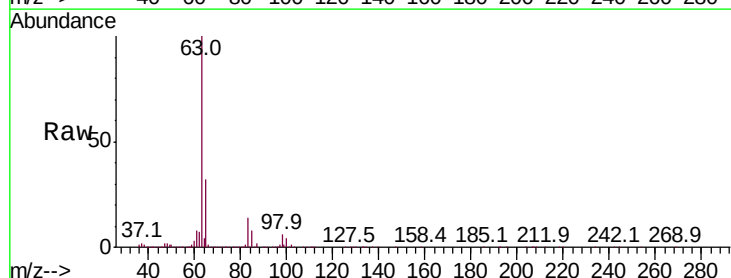
Tgt Ion: 63 Resp: 610258

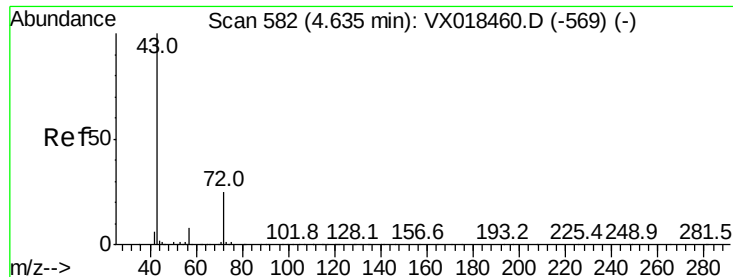
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.6

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 247.341 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampled :

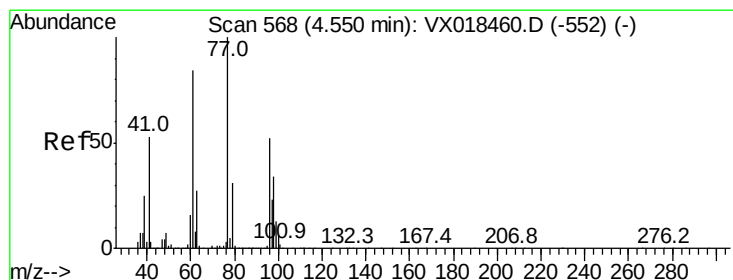
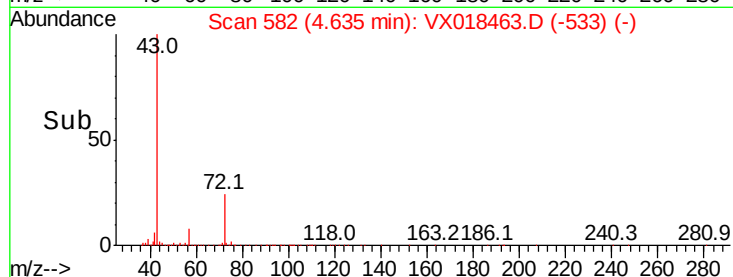
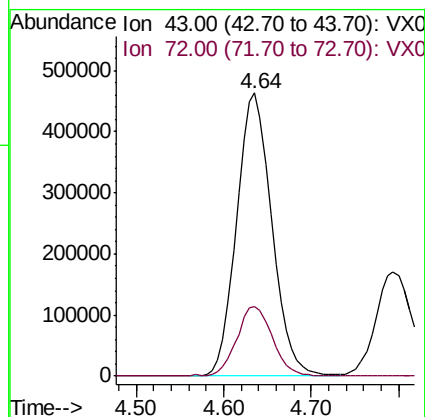
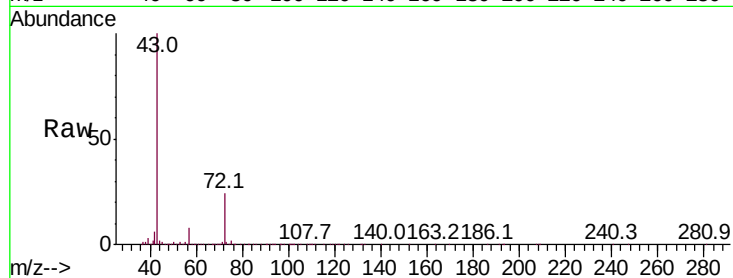
ICVVX091720

Tot Ion: 43 Resp: 1294551

Ion Ratio Lower Upper

43 100

72 24.4 20.2 30.4



#26

2,2-Dichloropropane

Concen: 48.427 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX018463.D

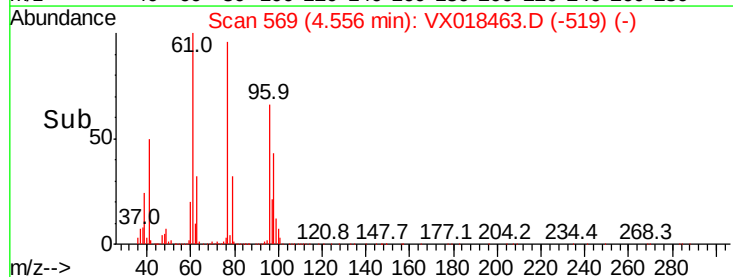
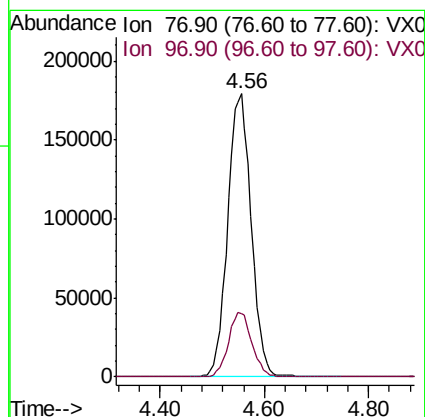
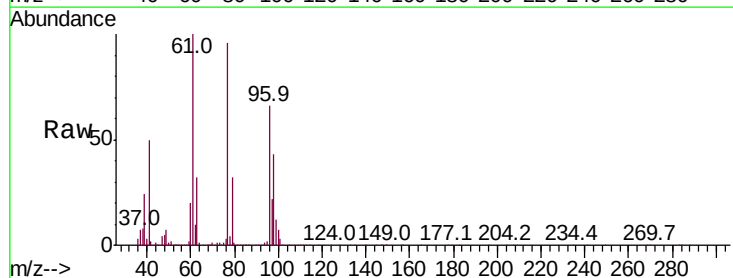
Acq: 17 Sep 2020 12:39

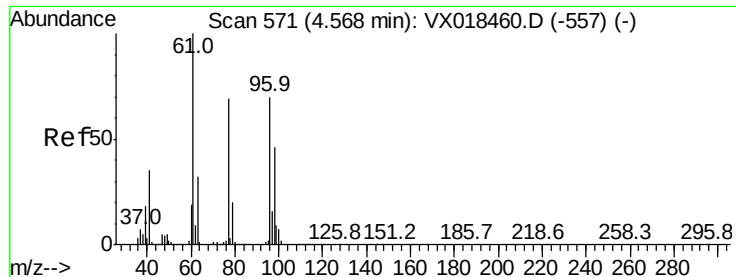
Tgt Ion: 77 Resp: 565485

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5



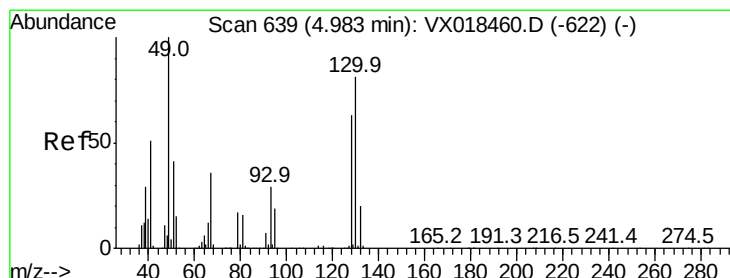
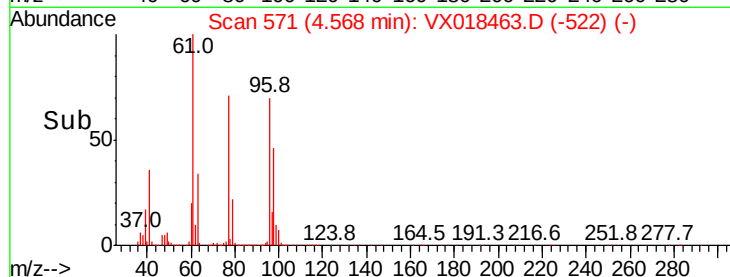
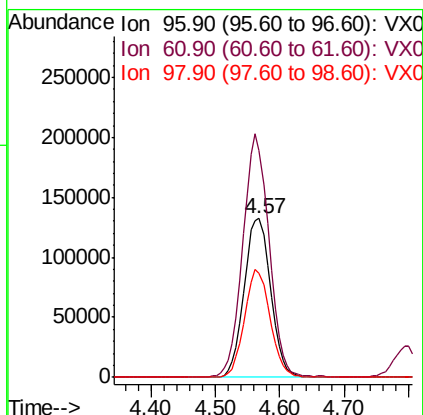
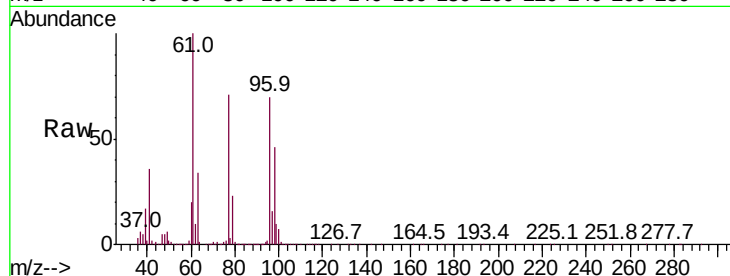


#27

cis-1,2-Dichloroethene  
Concen: 48.007 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

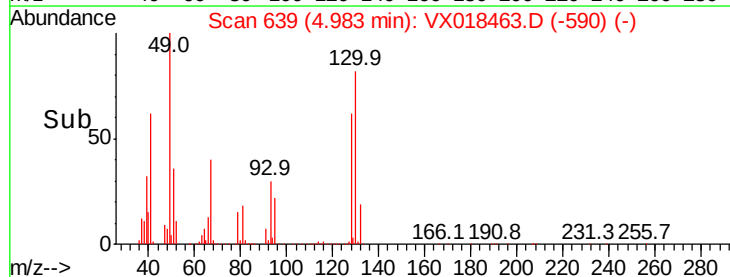
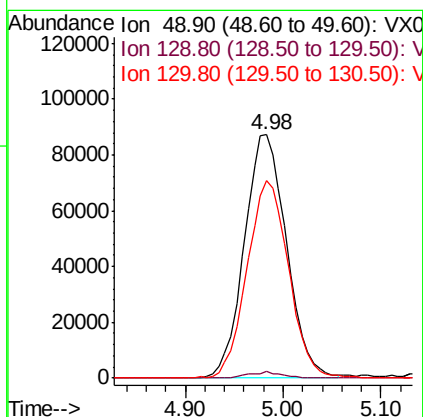
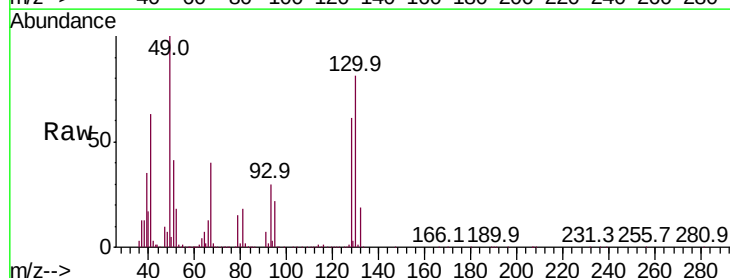
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.1 | 0.0   | 300.0 |
| 98      | 65.2  | 0.0   | 130.4 |

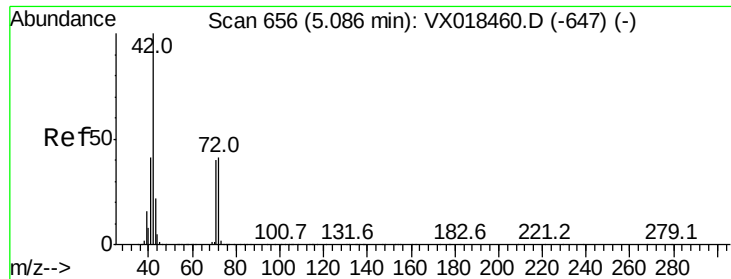


#28

Bromochloromethane  
Concen: 43.902 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.1   | 0.0   | 4.6   |
| 130     | 80.6  | 65.0  | 97.4  |





#29

Tetrahydrofuran

Concen: 249.881 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

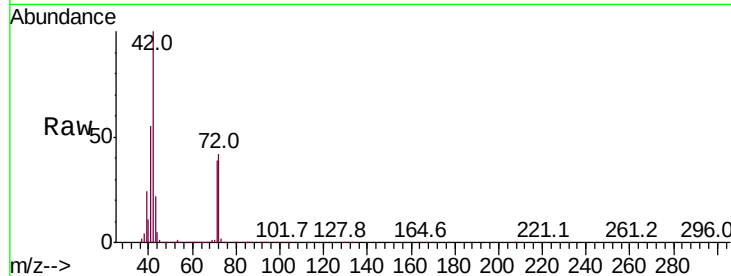
Tot Ion: 42 Resp: 824315

Ion Ratio Lower Upper

42 100

72 43.2 34.3 51.5

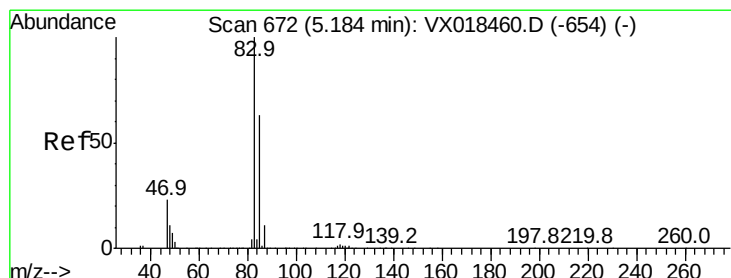
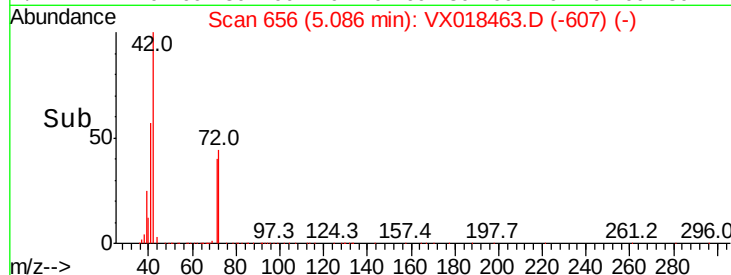
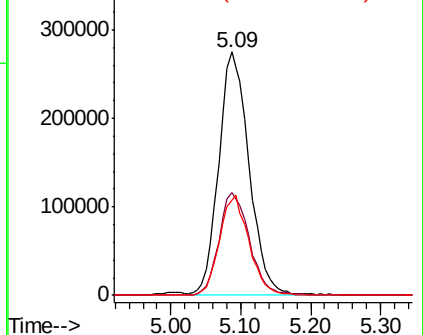
71 40.0 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.607 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX018463.D

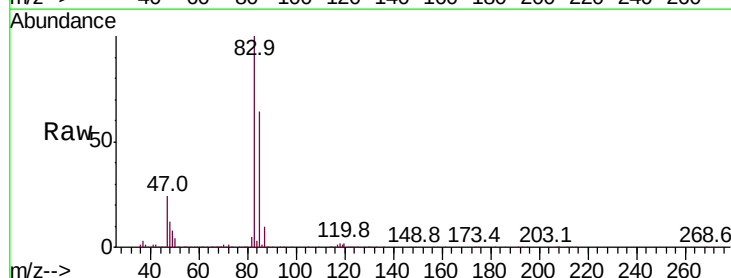
Acq: 17 Sep 2020 12:39

Tgt Ion: 83 Resp: 623283

Ion Ratio Lower Upper

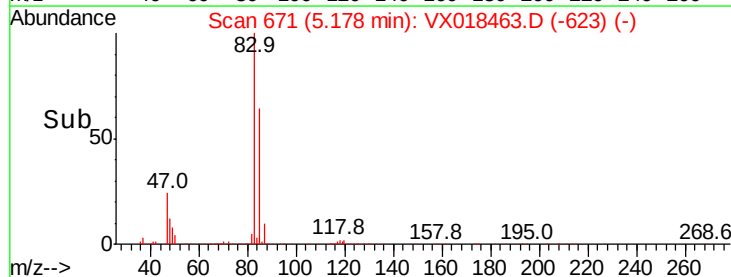
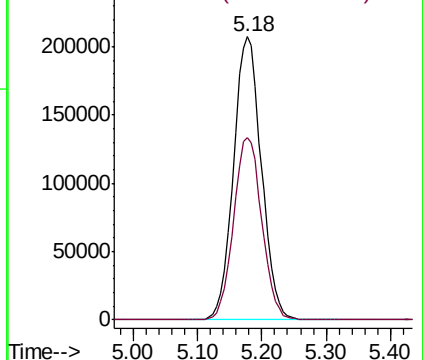
83 100

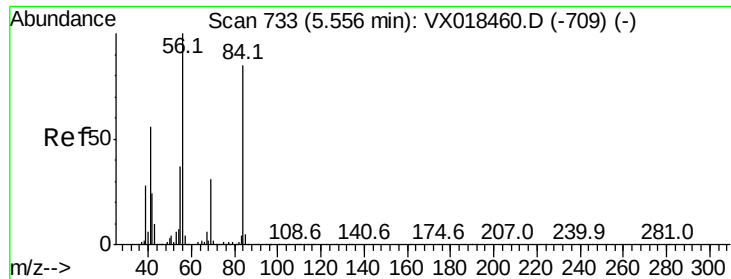
85 64.2 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

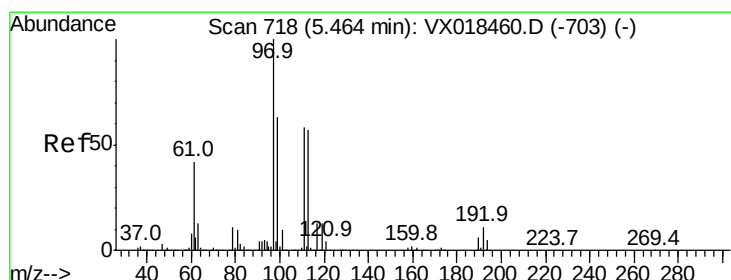
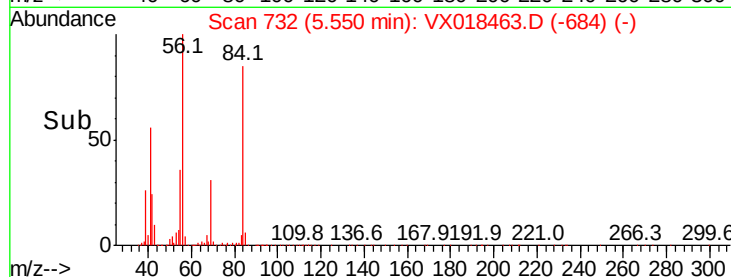
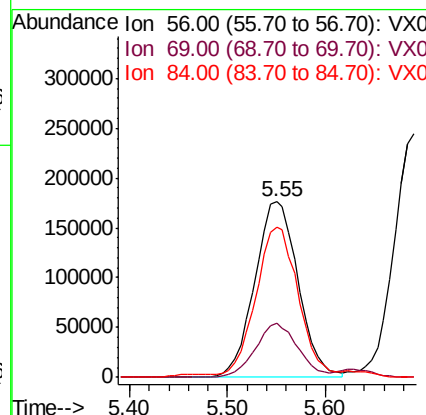
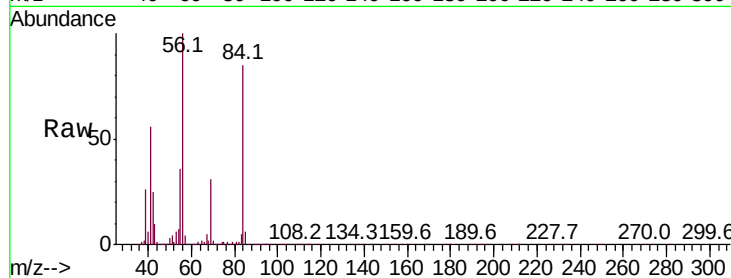




#31  
Cyclohexane  
Concen: 50.960 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

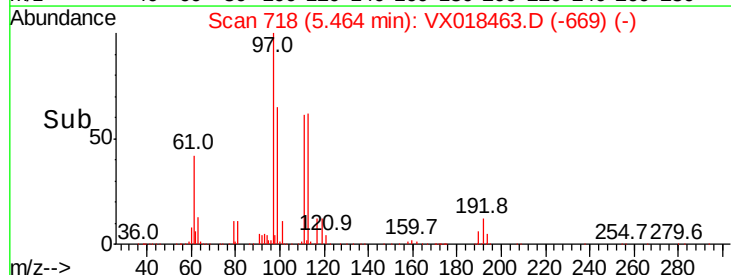
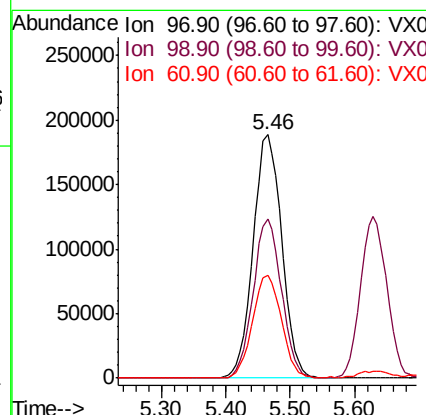
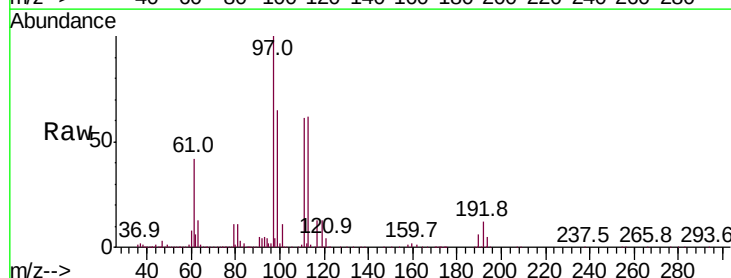
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

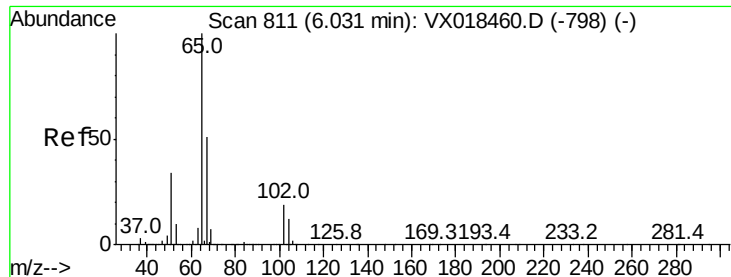
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.0  | 24.8  | 37.2  |
| 84      | 83.7  | 67.6  | 101.4 |



#32  
1,1,1-Trichloroethane  
Concen: 47.711 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 50.5  | 75.7  |
| 61      | 42.7  | 33.4  | 50.2  |

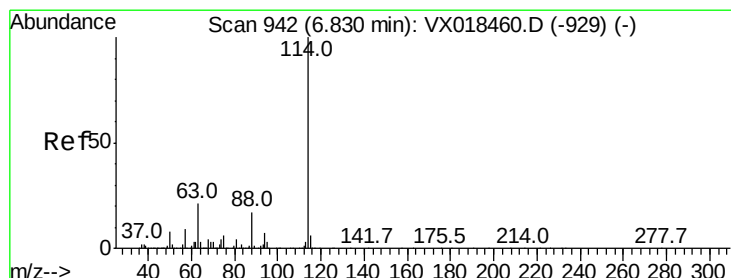
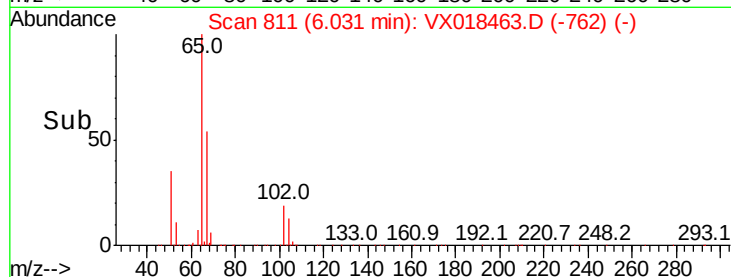
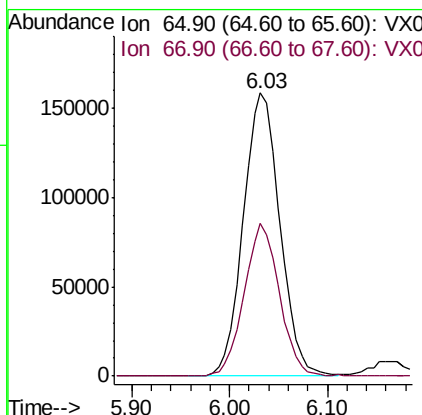
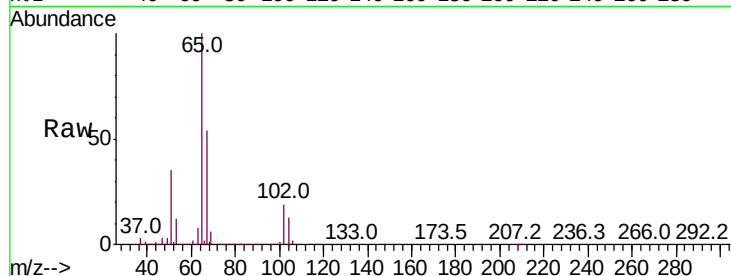




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.798 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

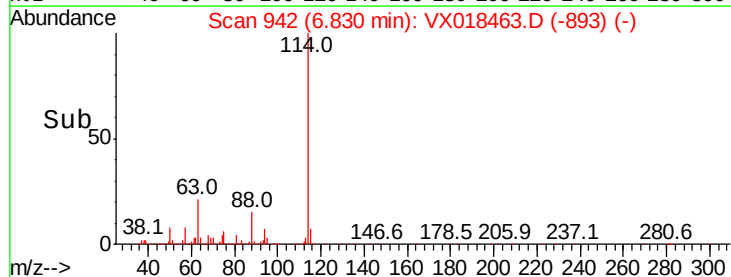
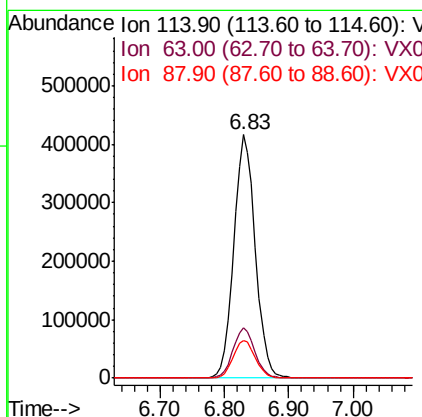
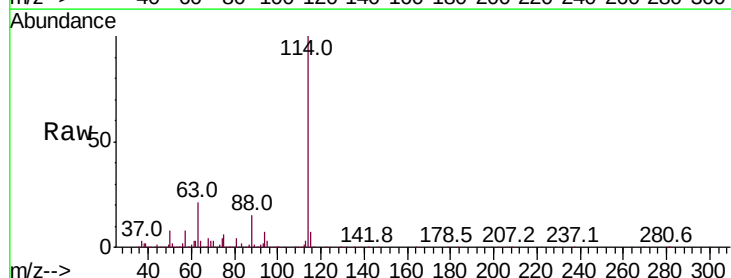
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX091720

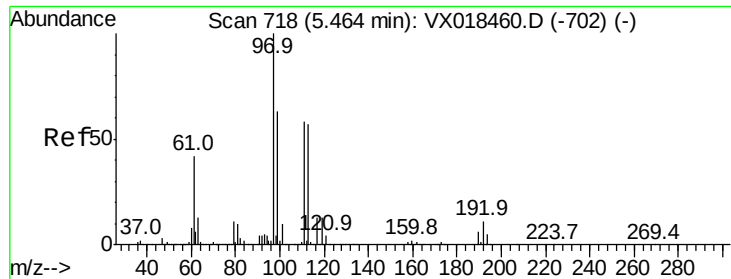
Tot Ion: 65 Resp: 411269  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

Tgt Ion: 114 Resp: 969668  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 42.8  
 88 15.4 0.0 33.6

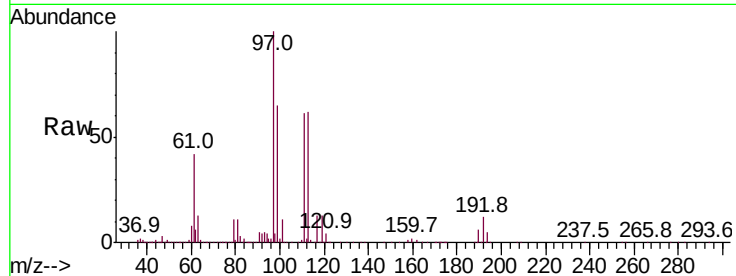




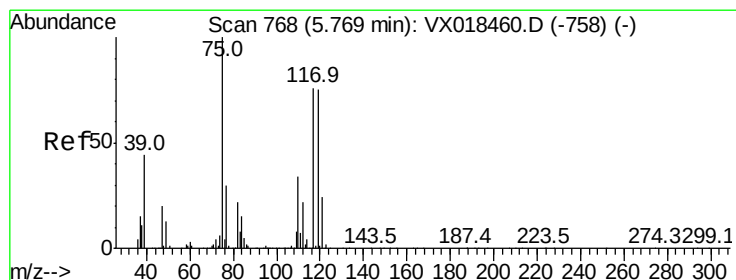
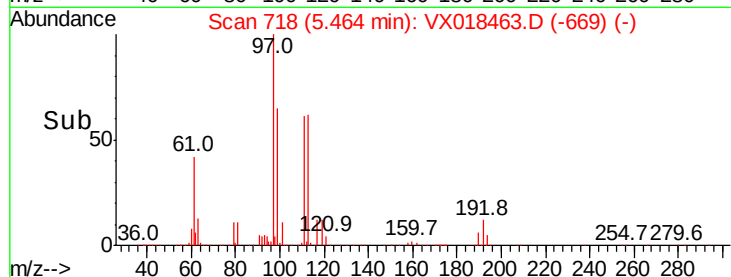
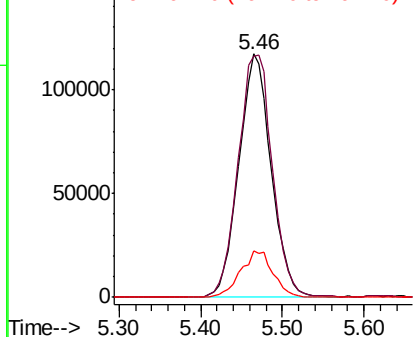
#35  
Dibromofluoromethane  
Concen: 48.140 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

Tot Ion:113 Resp: 322706  
Ion Ratio Lower Upper  
113 100  
111 105.4 81.4 122.2  
192 19.2 16.6 24.8

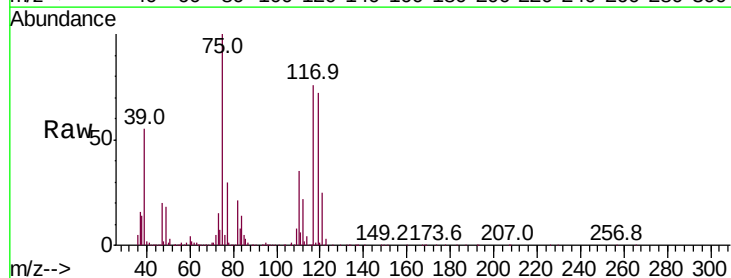


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

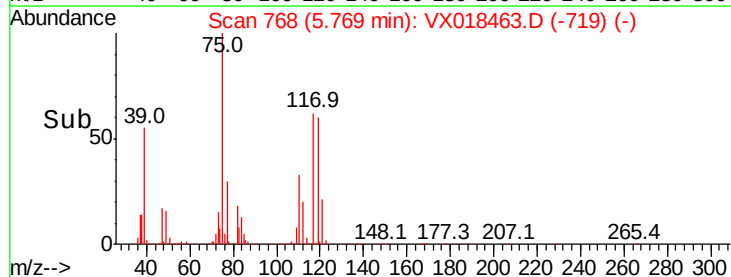
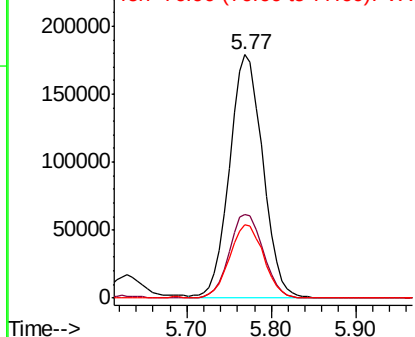


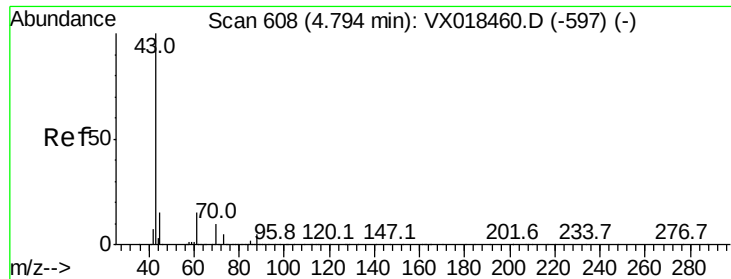
#36  
1,1-Dichloropropene  
Concen: 50.742 ug/l  
RT: 5.77 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 75 Resp: 477566  
Ion Ratio Lower Upper  
75 100  
110 35.1 17.6 52.8  
77 30.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VX0

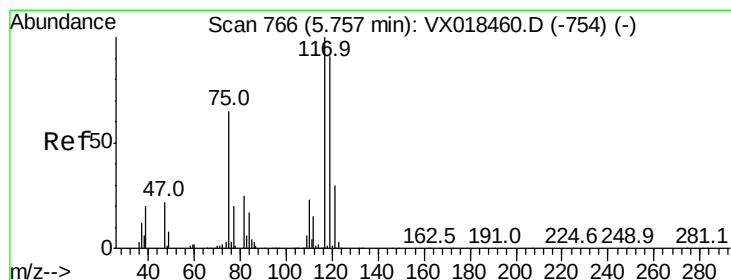
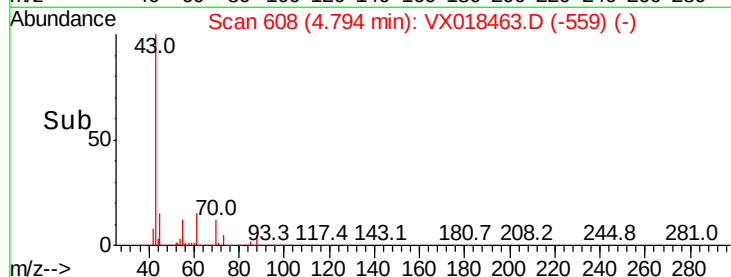
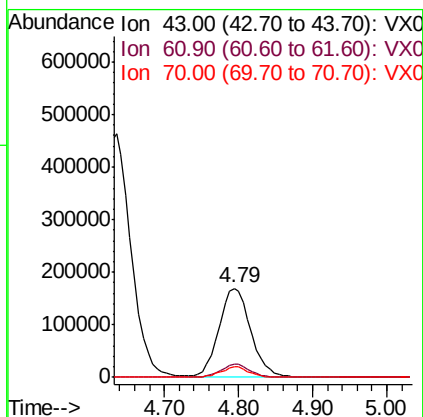
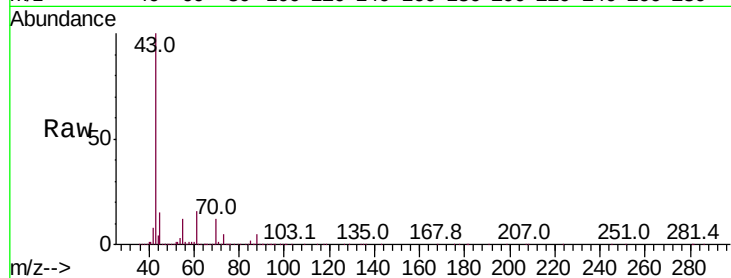




#37  
Ethyl Acetate  
Concen: 49.896 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

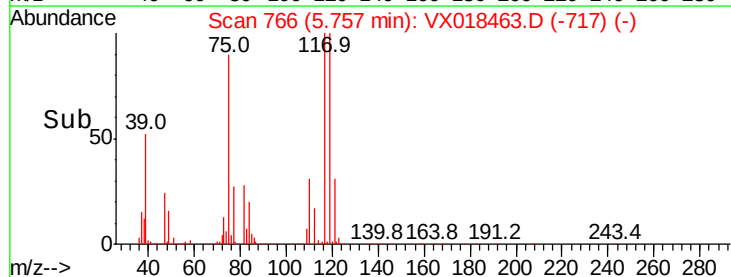
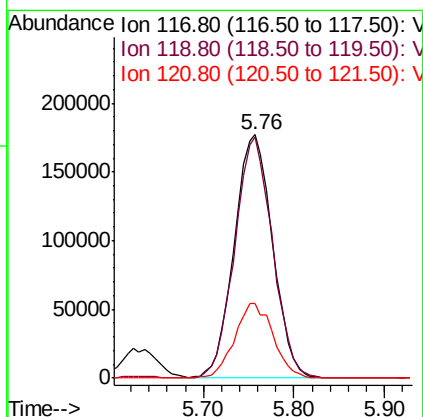
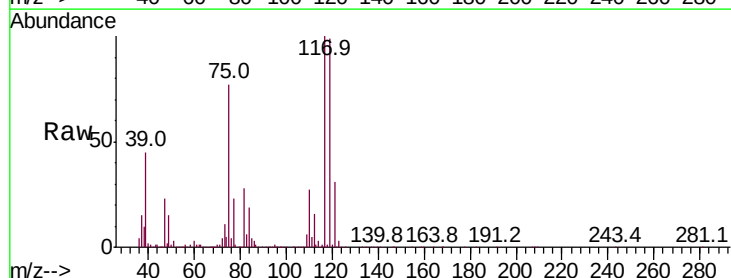
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

Tot Ion: 43 Resp: 501468  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.9 16.3  
70 10.6 8.3 12.5

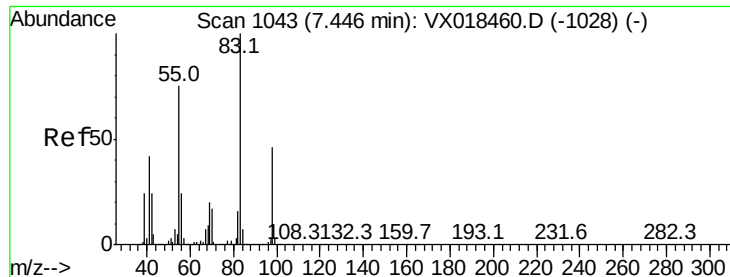


#38  
Carbon Tetrachloride  
Concen: 49.794 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 117 Resp: 519027  
Ion Ratio Lower Upper  
117 100  
119 99.1 72.3 108.5  
121 30.8 23.8 35.8



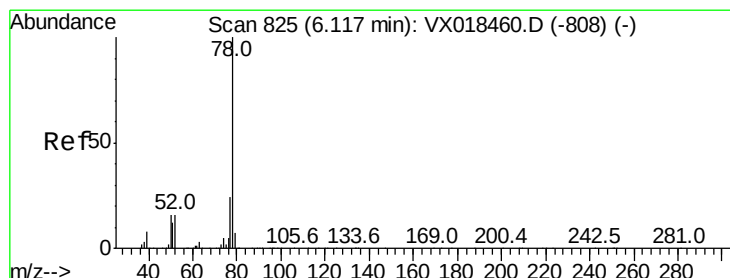
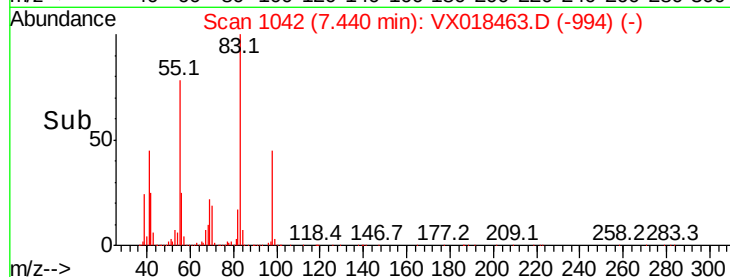
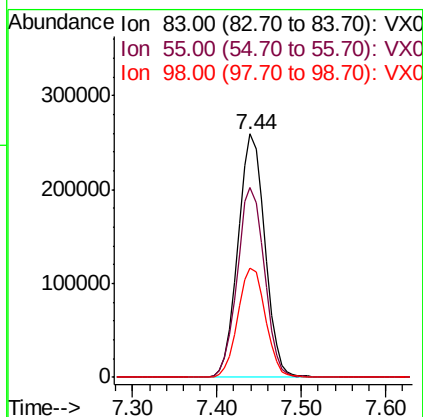
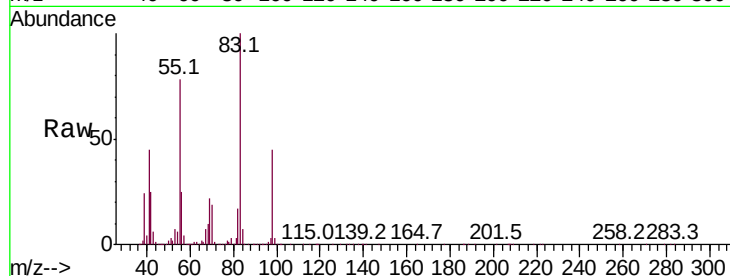




#39  
Methylvlcyclohexane  
Concen: 52.551 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

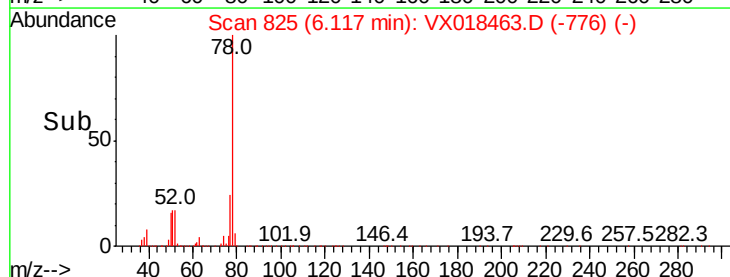
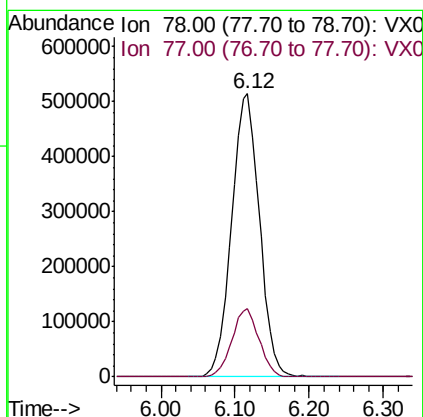
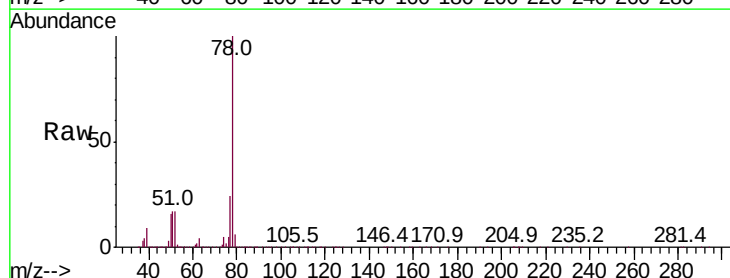
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

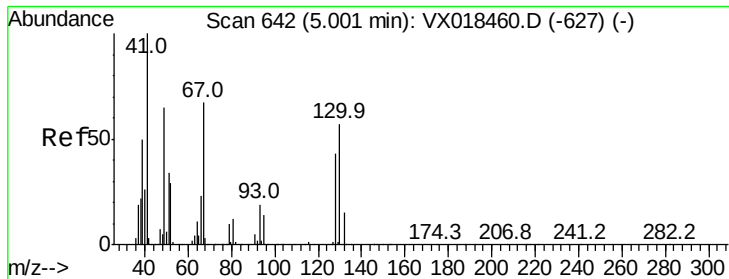
| Tot Ion | 83    | Resp  | 555659 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 78.0  | 60.2  | 90.4   |
| 98      | 44.7  | 36.4  | 54.6   |



#40  
Benzene  
Concen: 49.927 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

| Tgt Ion | 78    | Resp  | 1346652 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 78      | 100   |       |         |
| 77      | 24.0  | 19.0  | 28.4    |





#41

Methacrylonitrile

Concen: 50.059 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

Tot Ion: 41 Resp: 279554

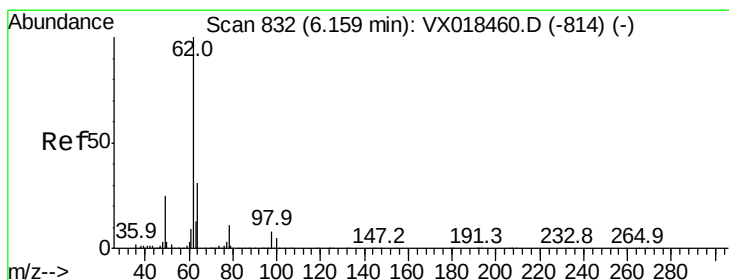
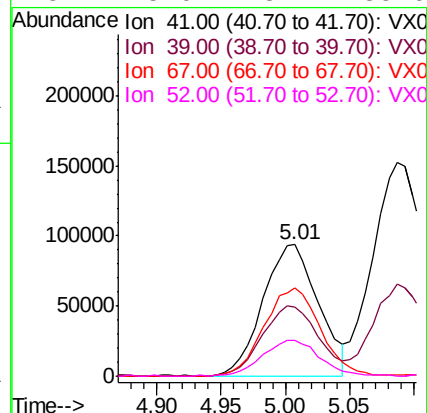
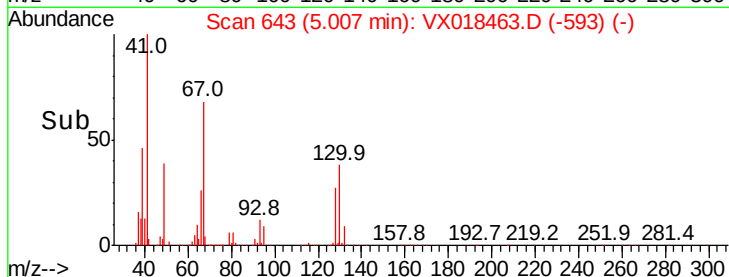
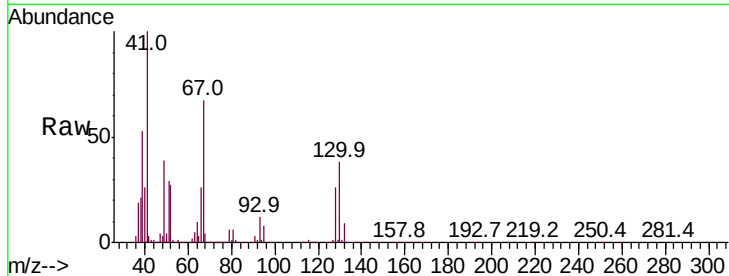
Ion Ratio Lower Upper

41 100

39 54.6 45.3 67.9

67 68.8 56.7 85.1

52 28.0 23.4 35.0



#42

1,2-Dichloroethane

Concen: 48.995 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX018463.D

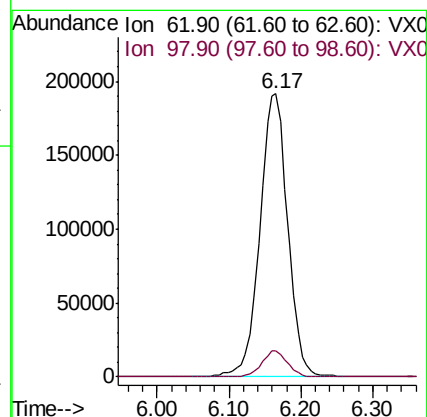
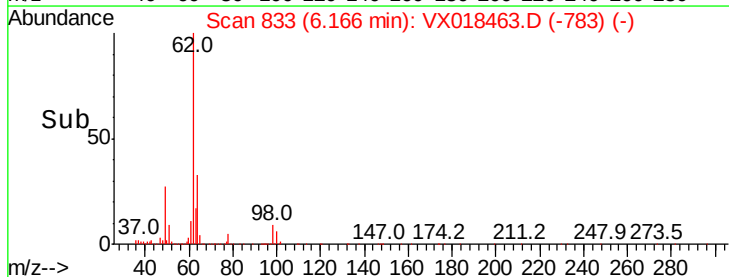
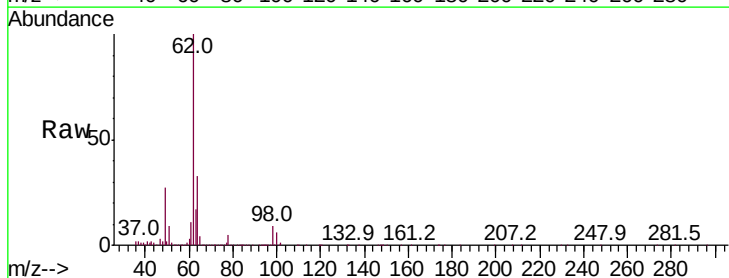
Acq: 17 Sep 2020 12:39

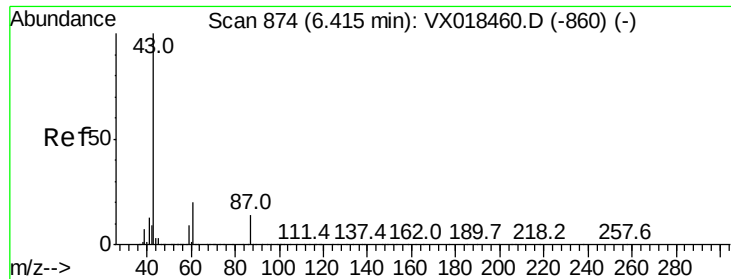
Tgt Ion: 62 Resp: 514114

Ion Ratio Lower Upper

62 100

98 8.5 0.0 16.6





#43

Isopropyl Acetate

Concen: 50.247 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

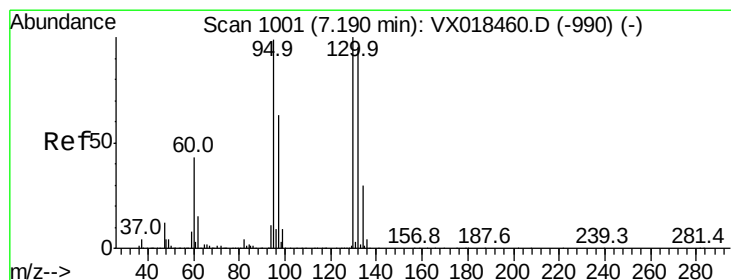
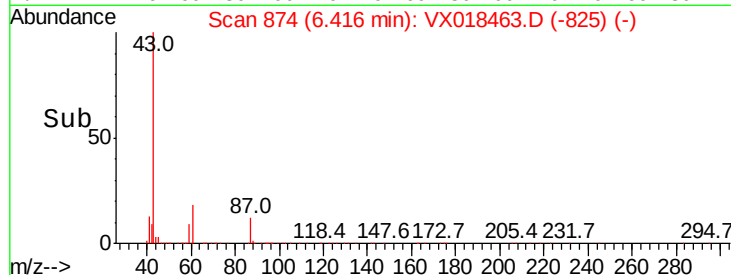
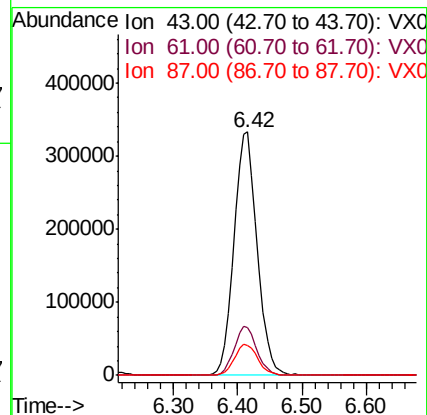
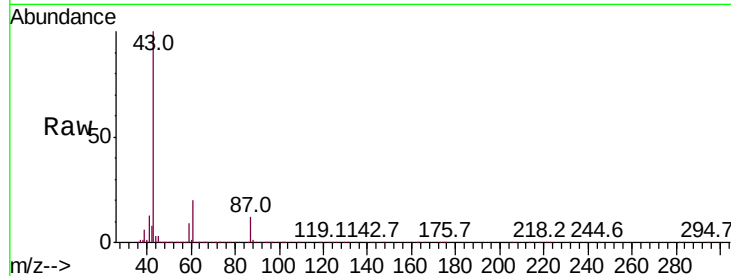
Tot Ion: 43 Resp: 838000

Ion Ratio Lower Upper

43 100

61 19.6 15.7 23.5

87 13.0 10.4 15.6



#44

Trichloroethene

Concen: 49.391 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018463.D

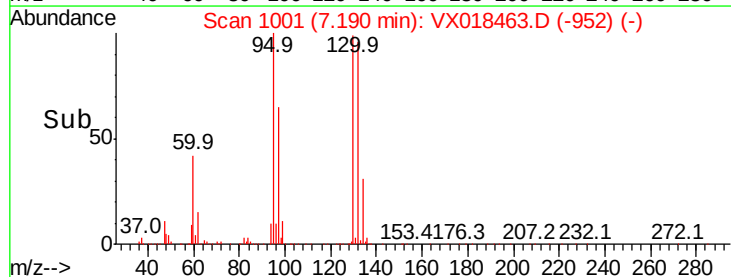
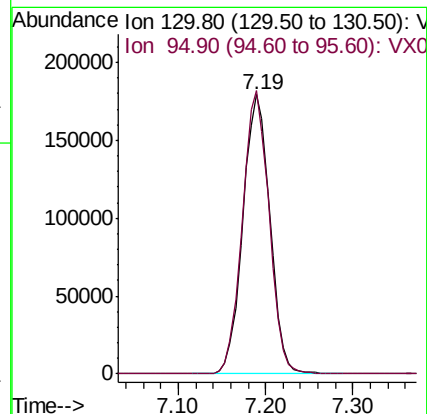
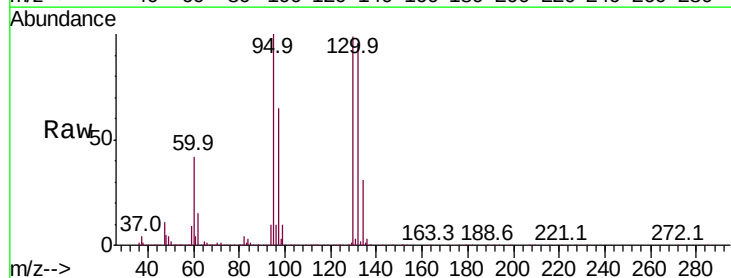
Acq: 17 Sep 2020 12:39

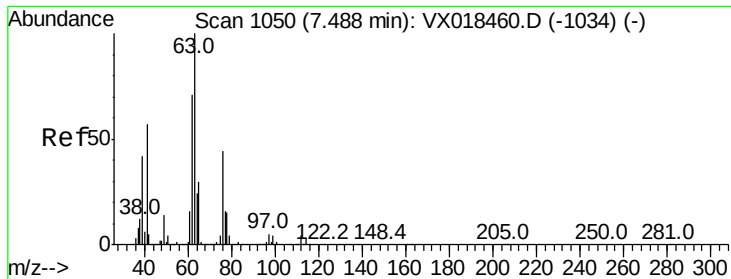
Tgt Ion: 130 Resp: 385650

Ion Ratio Lower Upper

130 100

95 101.4 0.0 197.4





#45

1,2-Dichloropropane

Concen: 48.903 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

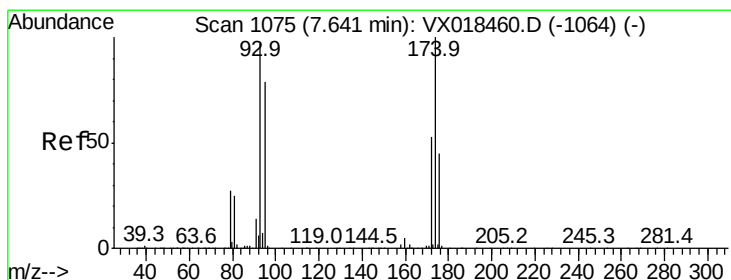
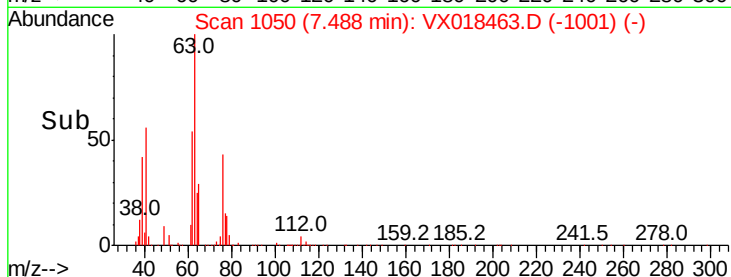
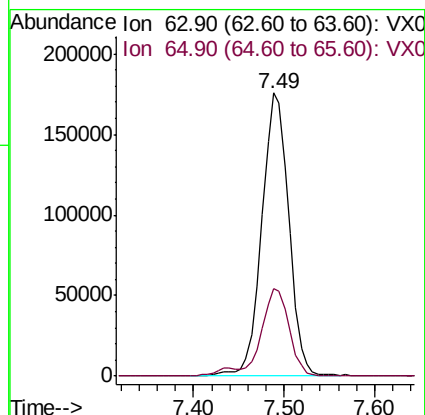
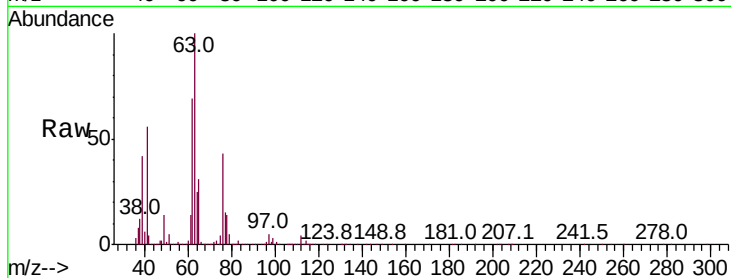
ICVVX091720

Tot Ion: 63 Resp: 362038

Ion Ratio Lower Upper

63 100

65 30.9 24.1 36.1



#46

Dibromomethane

Concen: 48.226 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

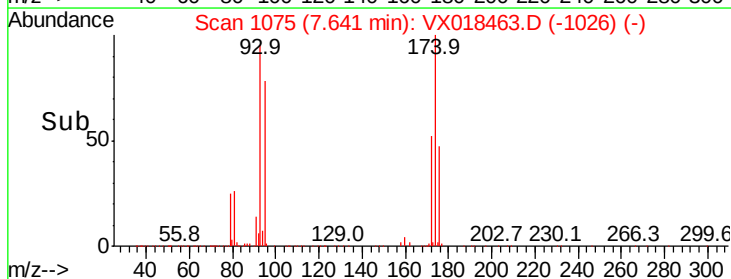
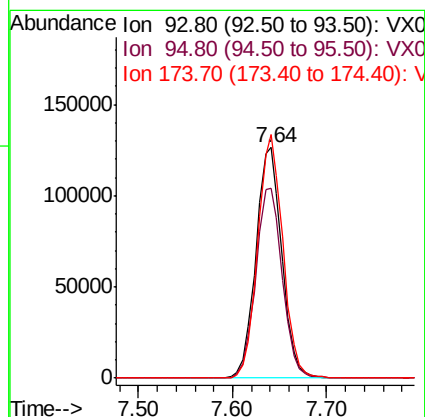
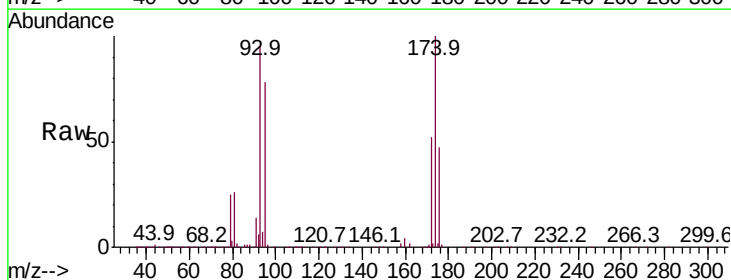
Tgt Ion: 93 Resp: 245290

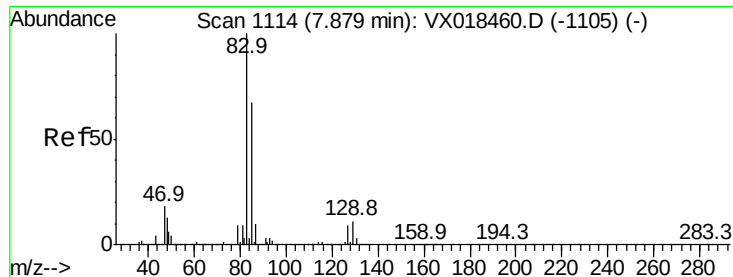
Ion Ratio Lower Upper

93 100

95 84.0 65.0 97.4

174 102.4 82.0 123.0





#47

Bromodichloromethane

Concen: 50.076 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

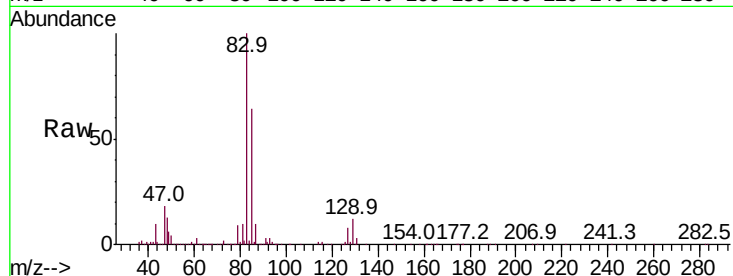
Tot Ion: 83 Resp: 513307

Ion Ratio Lower Upper

83 100

85 63.6 53.3 79.9

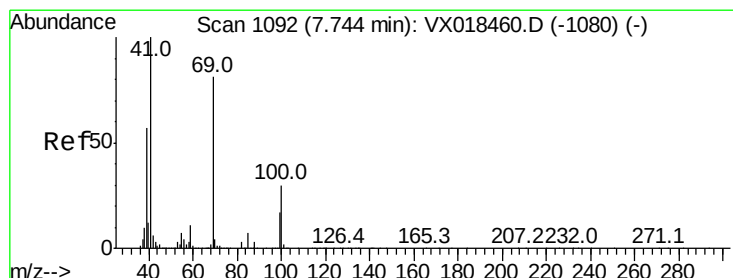
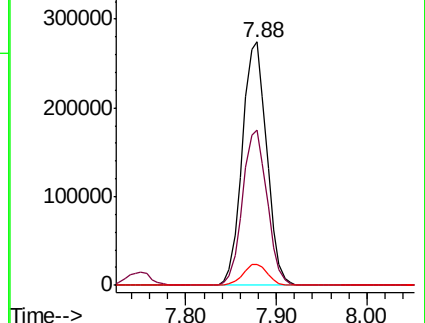
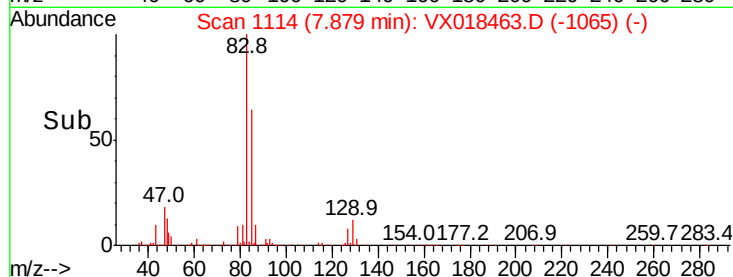
127 8.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): VX0



#48

Methyl methacrylate

Concen: 51.921 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

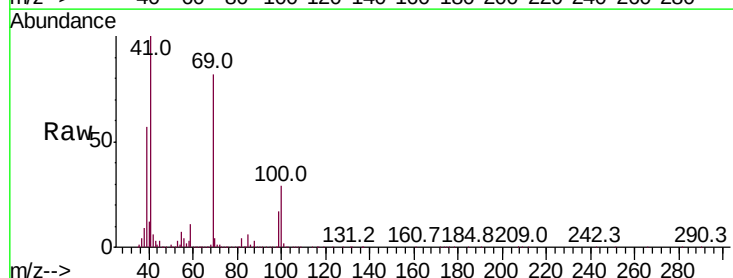
Tgt Ion: 41 Resp: 421479

Ion Ratio Lower Upper

41 100

69 80.2 63.7 95.5

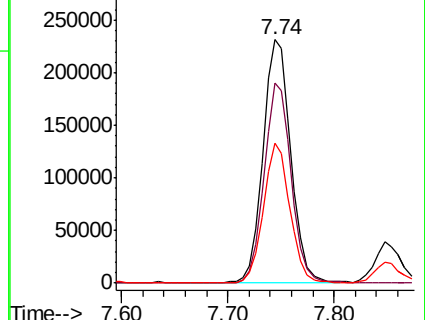
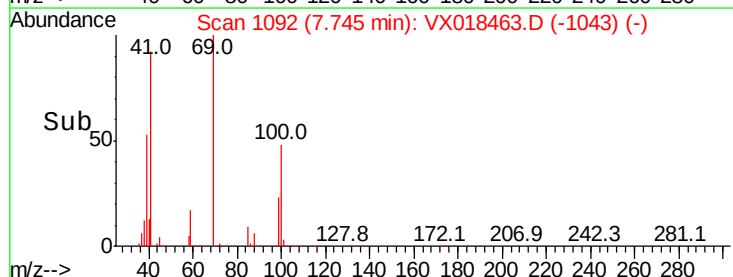
39 54.8 45.0 67.4

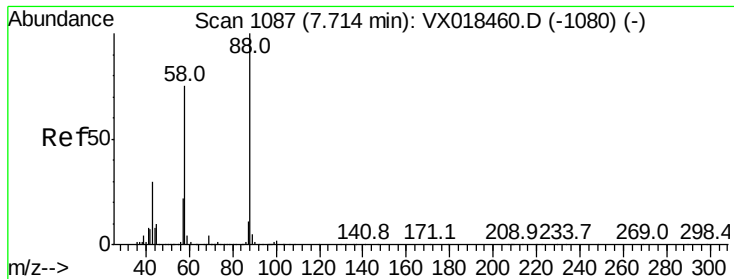


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 920.924 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

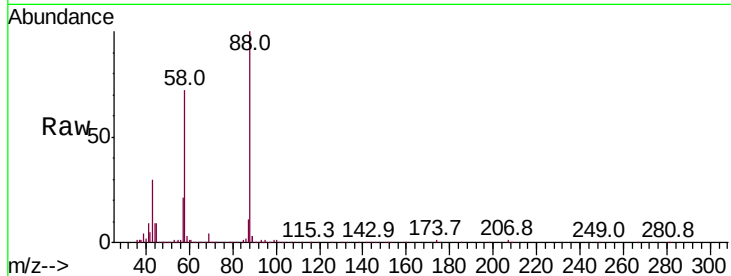
MSVOA\_X

ClientSampleId :

ICVVX091720

Tot Ion: 88 Resp: 123525

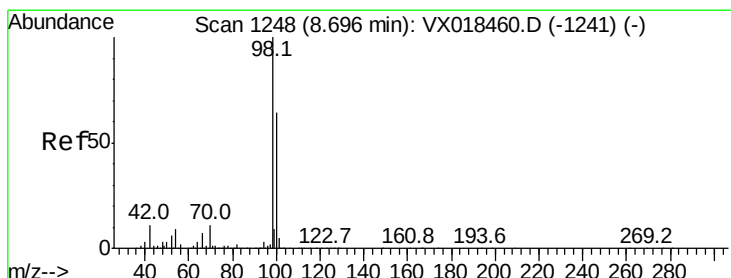
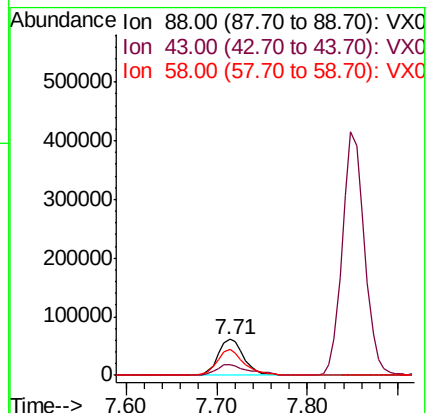
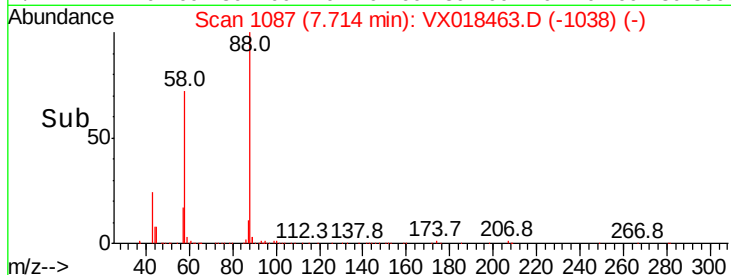
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 36.4  | 29.9  | 44.9  |
| 58  | 74.1  | 59.0  | 88.6  |



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.576 ug/l

RT: 8.70 min Scan# 1248

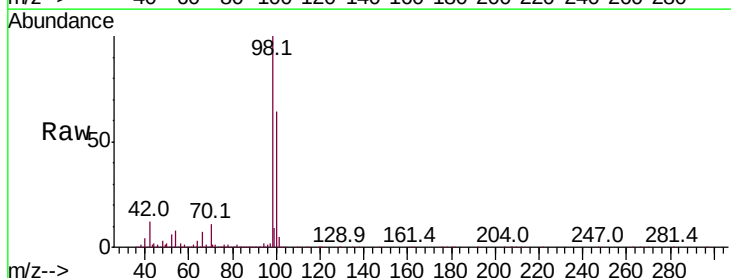
Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

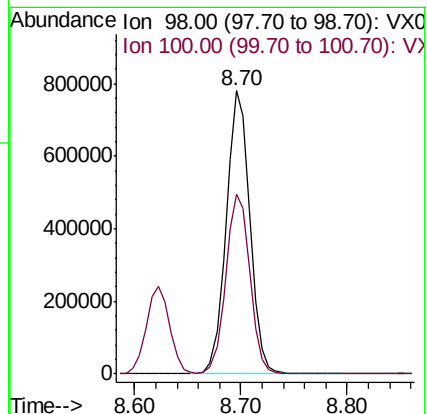
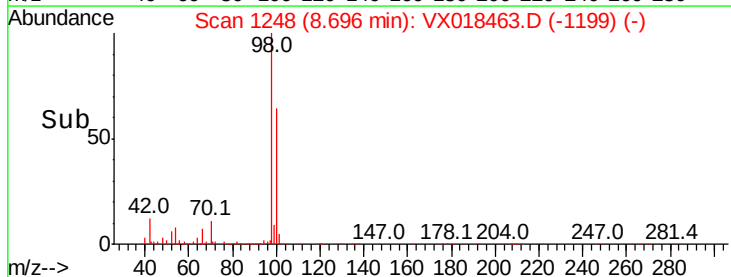
Tgt Ion: 98 Resp: 1207465

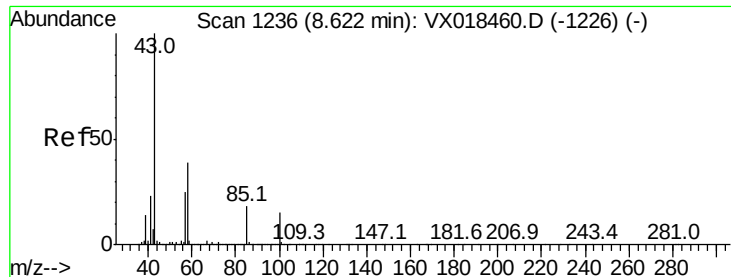
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.8  | 51.7  | 77.5  |



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 257.969 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

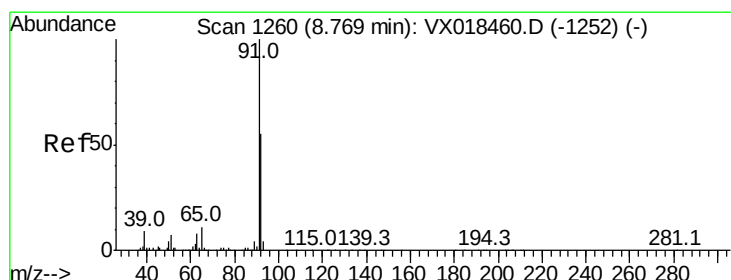
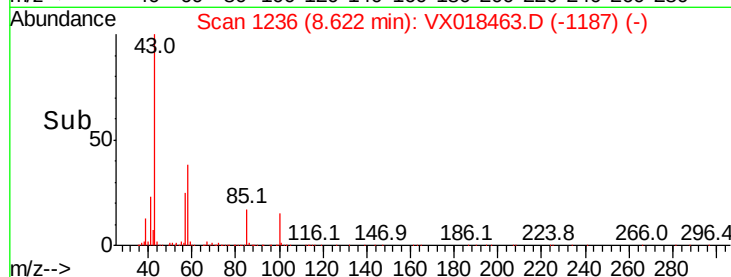
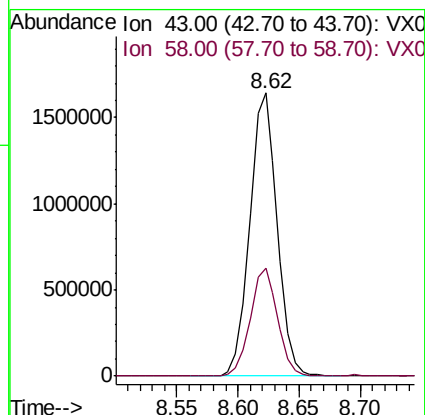
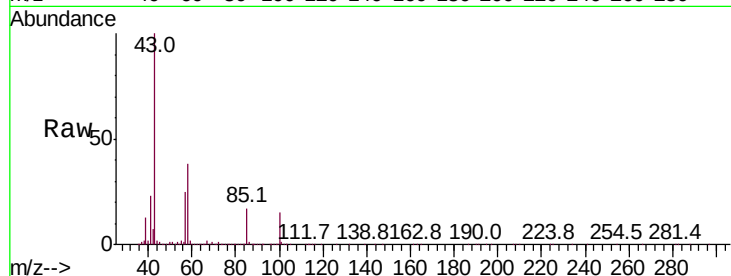
ICVX091720

Tot Ion: 43 Resp: 2561683

Ion Ratio Lower Upper

43 100

58 37.9 30.9 46.3



#52

Toluene

Concen: 50.471 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018463.D

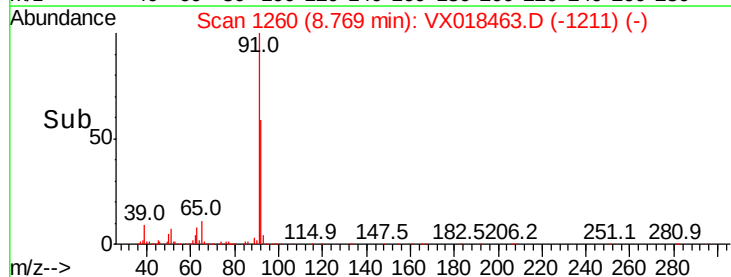
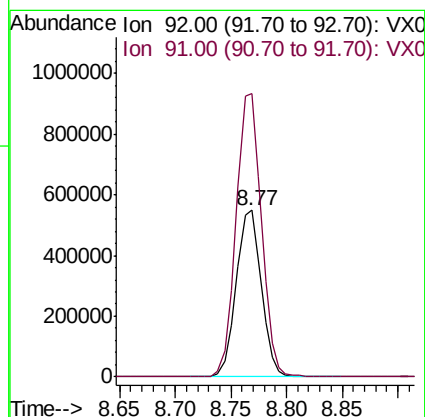
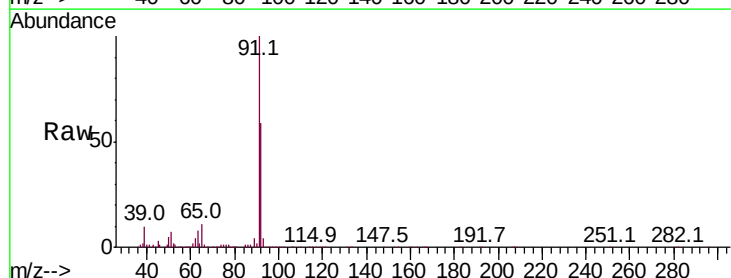
Acq: 17 Sep 2020 12:39

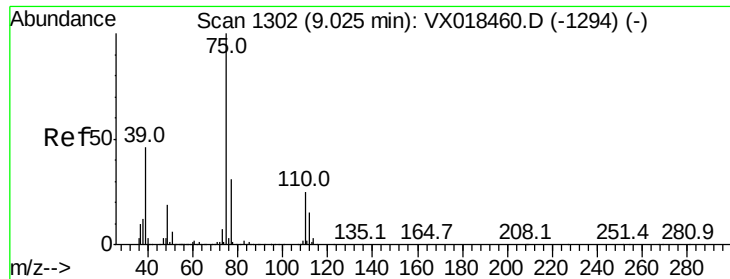
Tgt Ion: 92 Resp: 856651

Ion Ratio Lower Upper

92 100

91 172.1 140.6 210.8





#53

t-1,3-Dichloropropene

Concen: 50.576 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

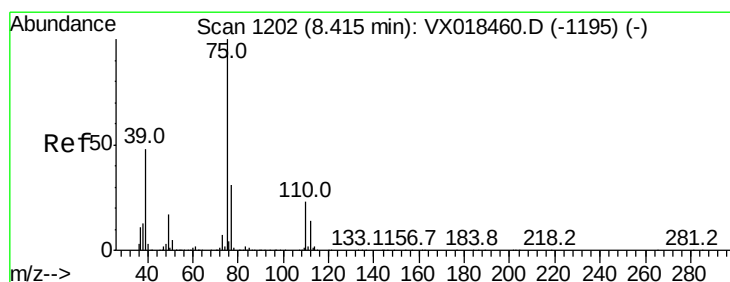
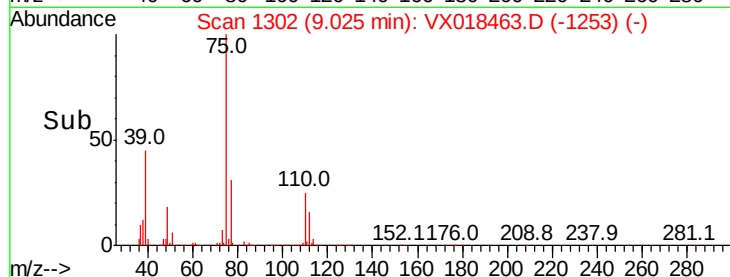
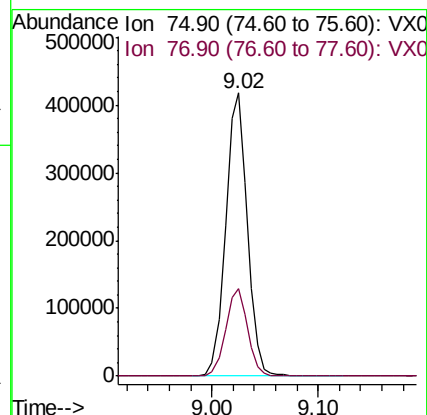
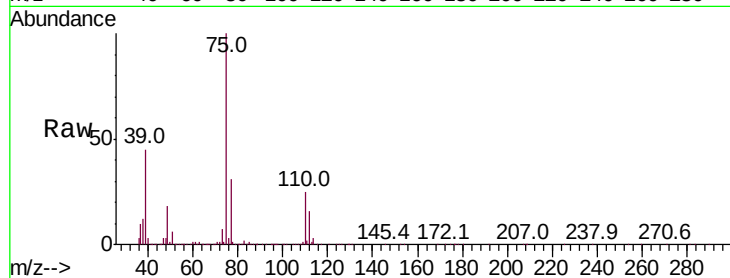
ICVVX091720

Tot Ion: 75 Resp: 589080

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.679 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

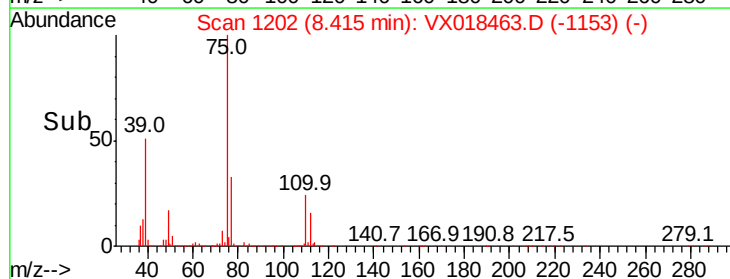
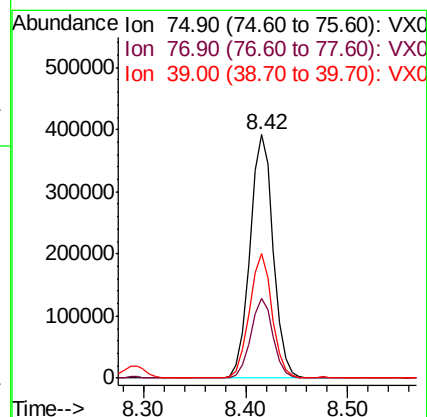
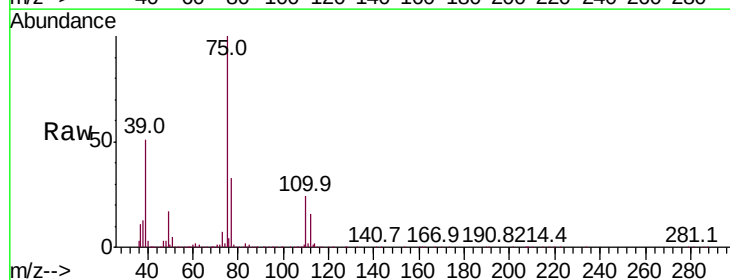
Tgt Ion: 75 Resp: 620116

Ion Ratio Lower Upper

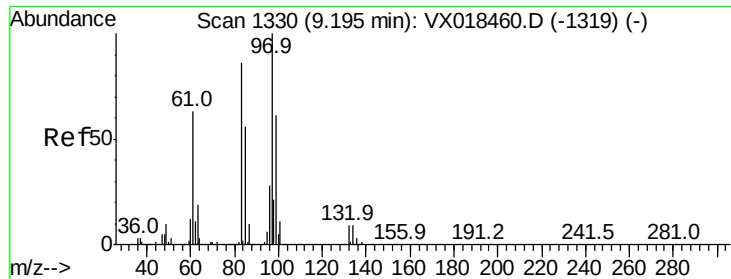
75 100

77 32.5 24.8 37.2

39 51.1 38.6 58.0







#55

1,1,2-Trichloroethane

Concen: 50.143 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

Tot Ion: 97 Resp: 353153

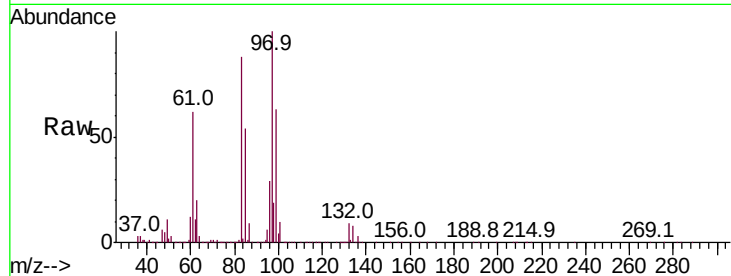
Ion Ratio Lower Upper

97 100

83 87.6 68.5 102.7

85 54.2 44.8 67.2

99 62.8 48.9 73.3

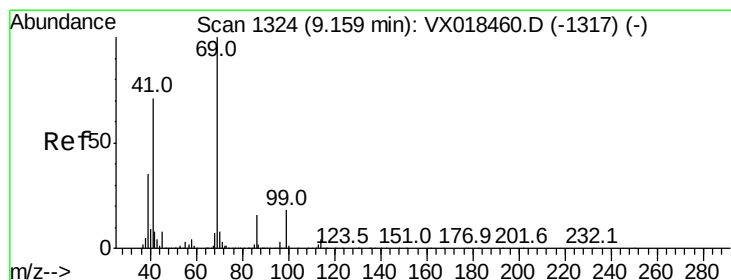
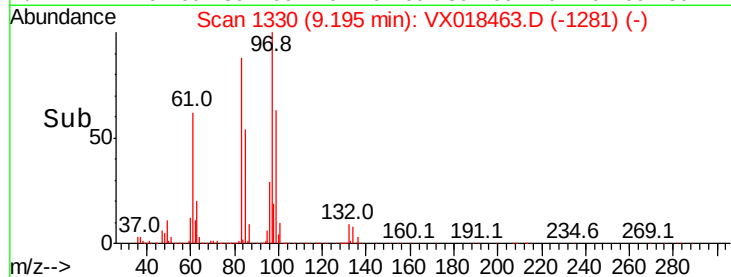
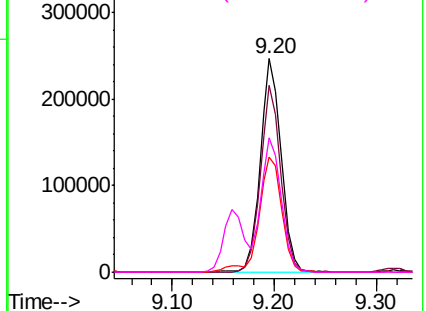


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.559 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

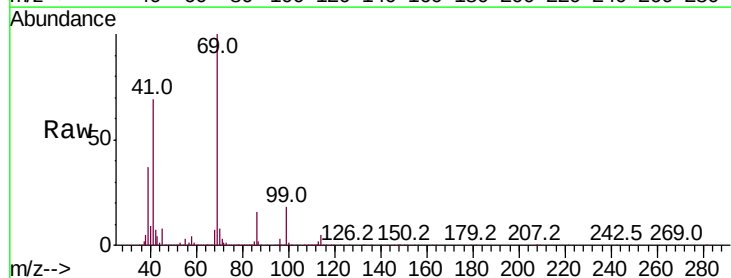
Tgt Ion: 69 Resp: 538436

Ion Ratio Lower Upper

69 100

41 70.8 54.6 81.8

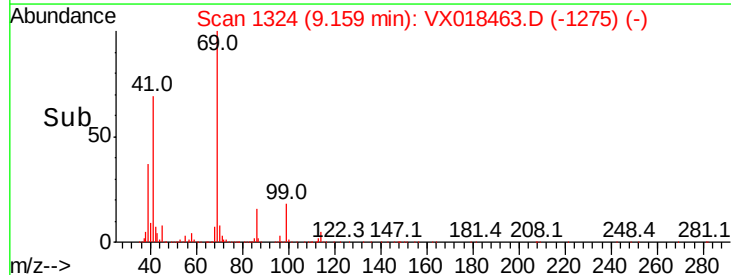
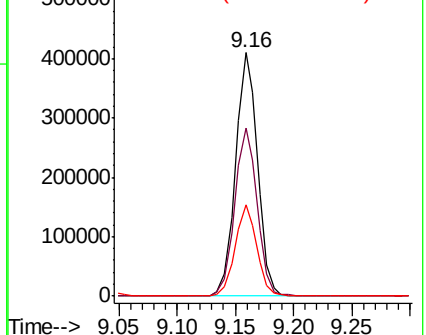
39 36.8 29.3 43.9

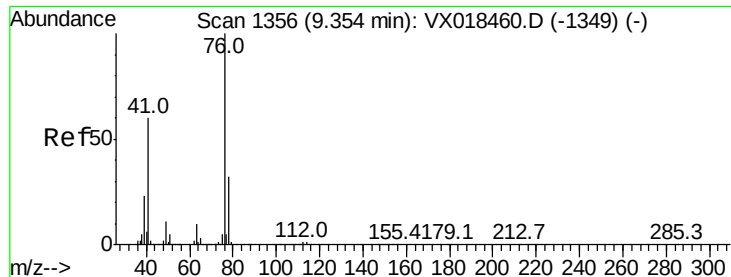


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.803 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

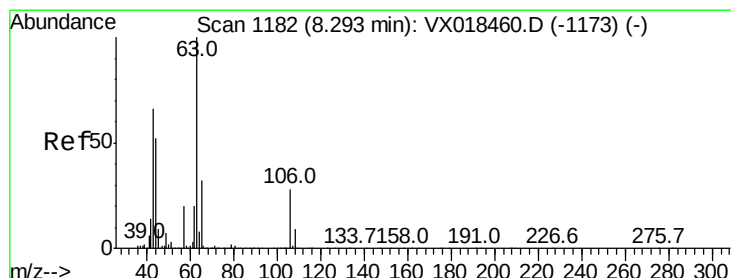
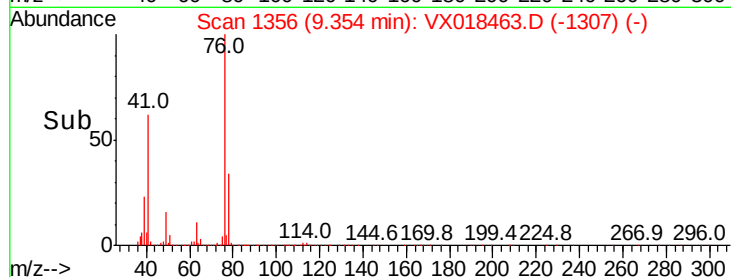
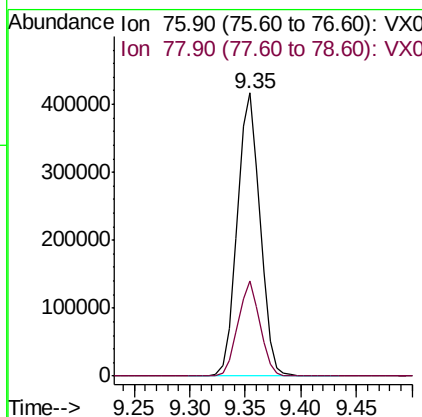
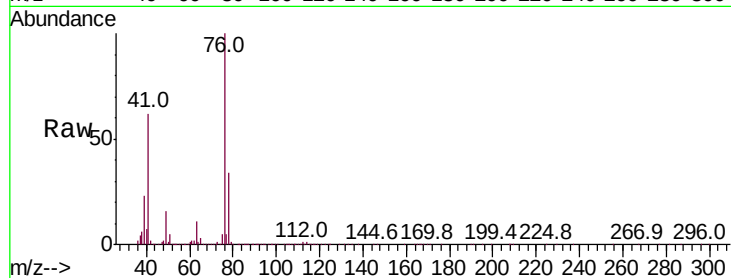
Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

Tot Ion: 76 Resp: 589316

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 32.6  | 25.6  | 38.4  |



#58

2-Chloroethyl Vinyl ether

Concen: 261.505 ug/l

RT: 8.29 min Scan# 1182

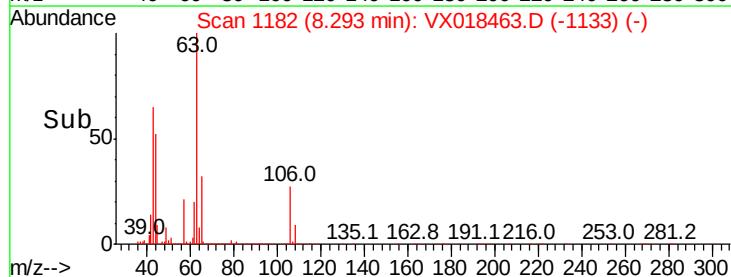
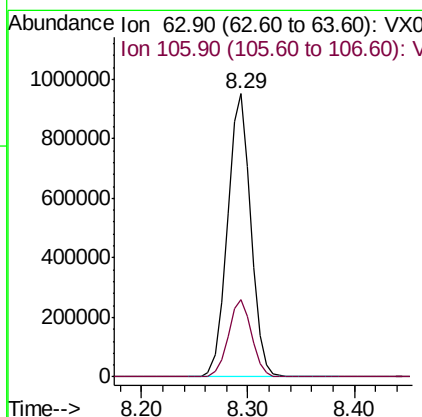
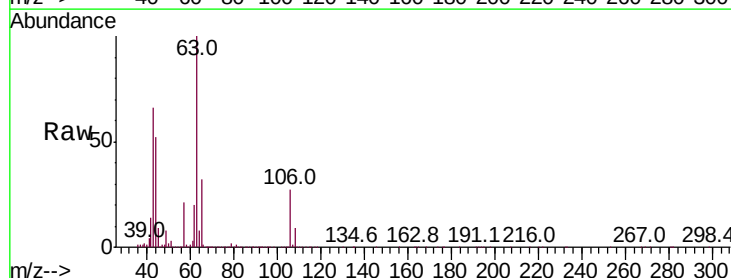
Delta R.T. 0.00 min

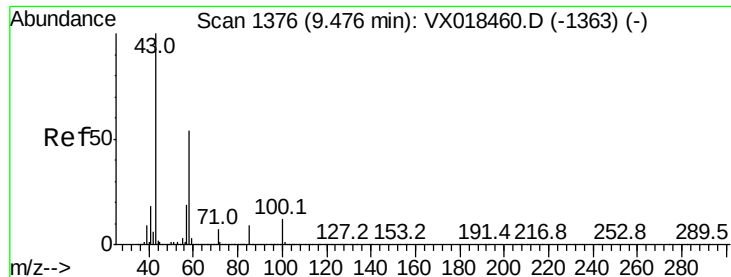
Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Tgt Ion: 63 Resp: 1451927

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 106 | 27.4  | 22.2  | 33.2  |

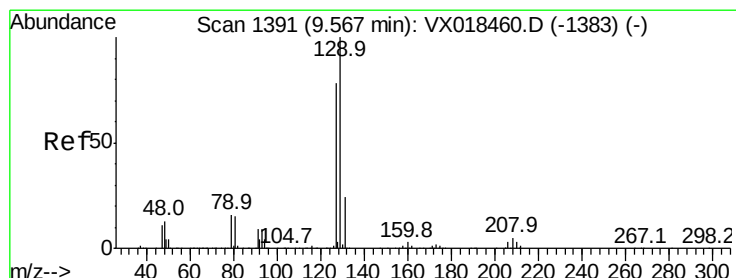
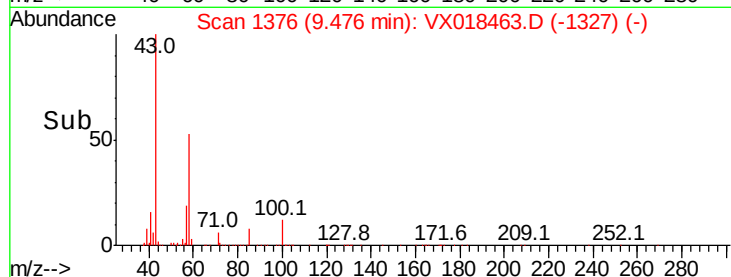
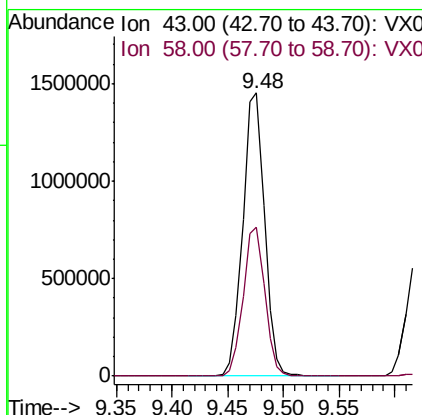
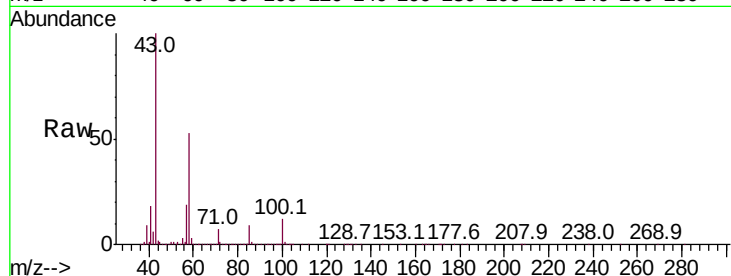




#59  
2-Hexanone  
Concen: 261.974 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

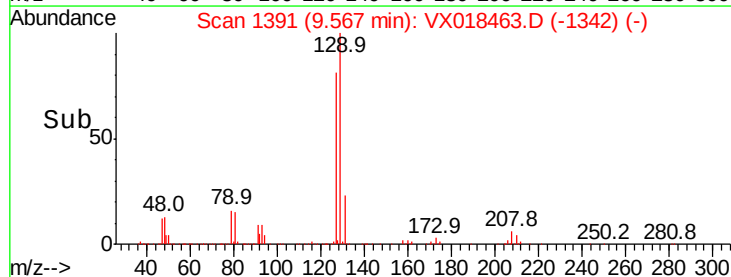
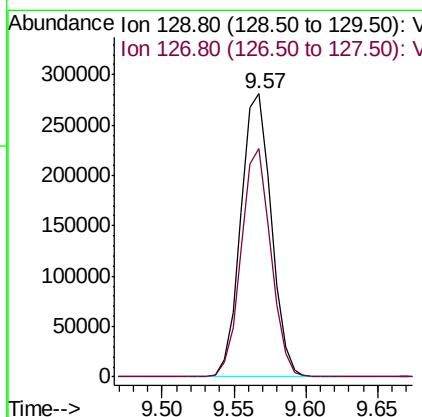
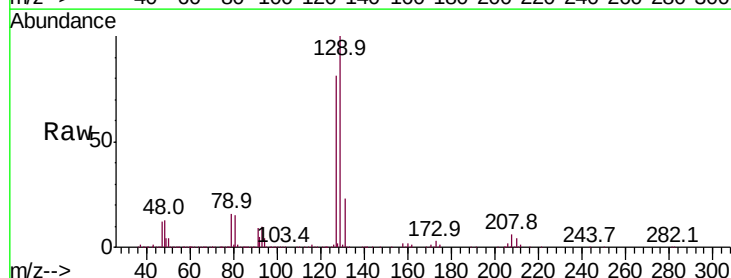
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

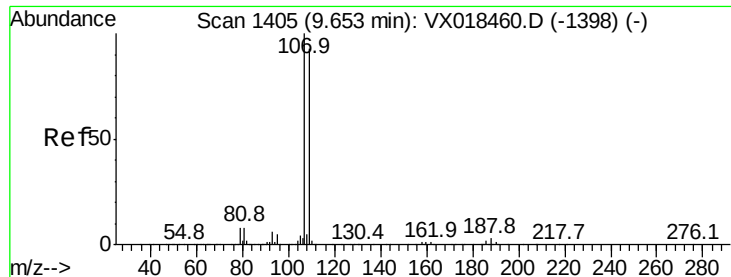
Tot Ion: 43 Resp: 1978691  
Ion Ratio Lower Upper  
43 100  
58 52.4 26.5 79.4



#60  
Dibromochloromethane  
Concen: 49.032 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 129 Resp: 411773  
Ion Ratio Lower Upper  
129 100  
127 79.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 51.658 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

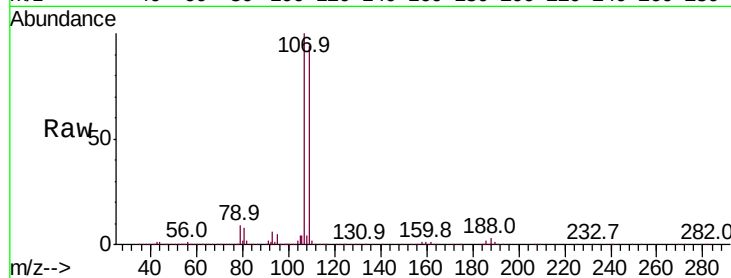
ICVVX091720

Tot Ion:107 Resp: 387101

Ion Ratio Lower Upper

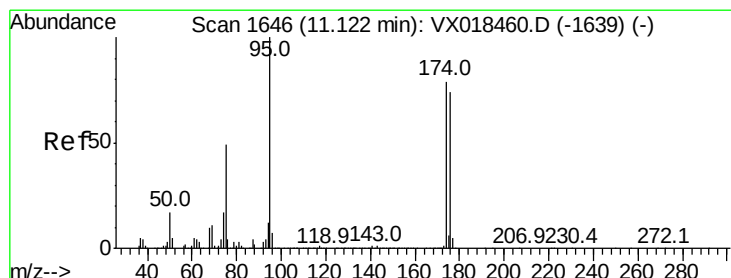
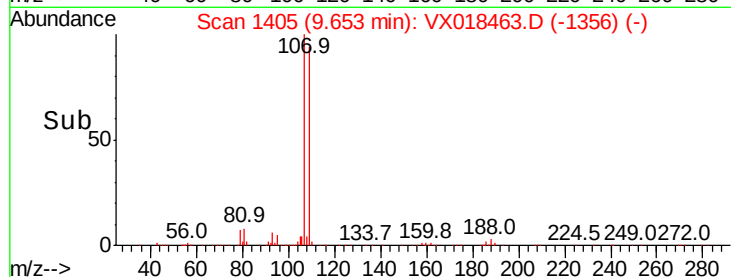
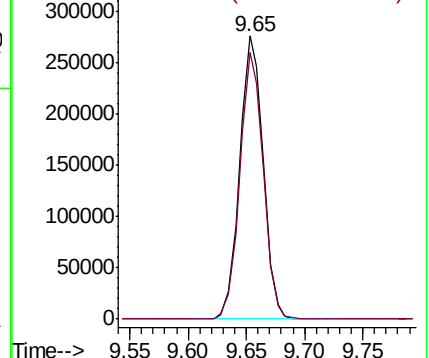
107 100

109 94.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.290 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

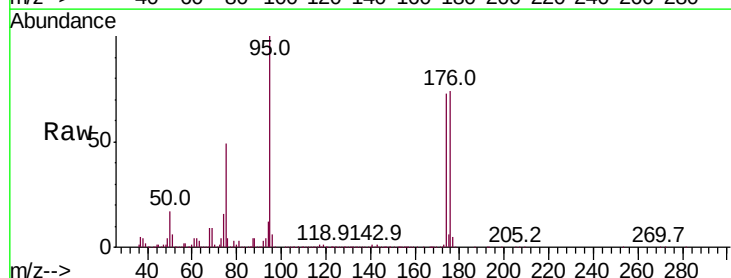
Tgt Ion: 95 Resp: 487224

Ion Ratio Lower Upper

95 100

174 76.2 0.0 161.4

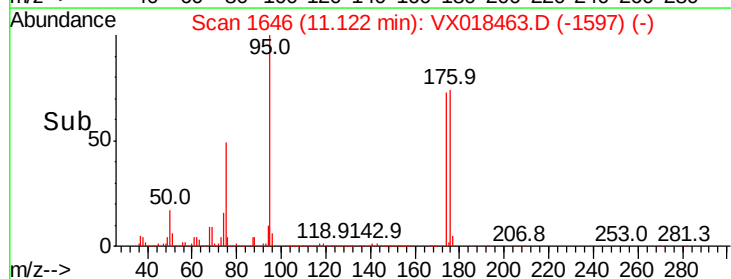
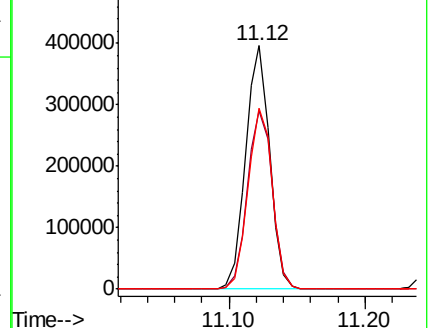
176 75.6 0.0 151.4

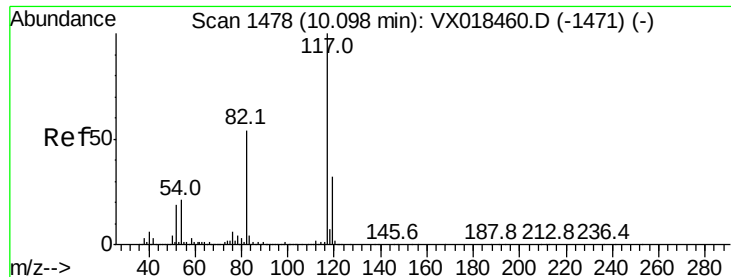


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

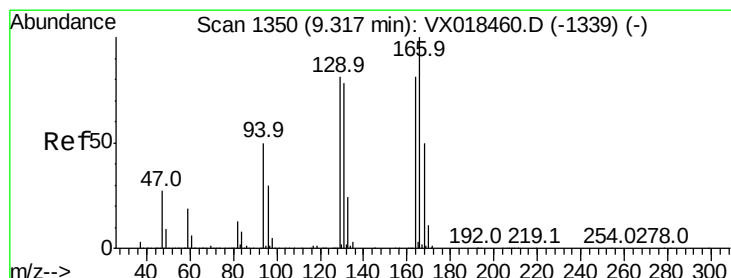
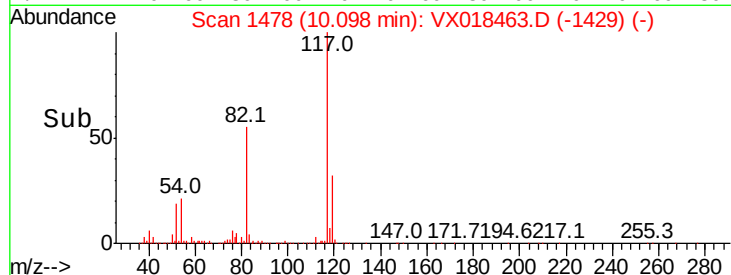
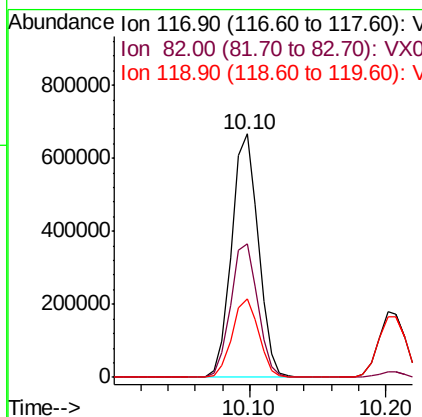
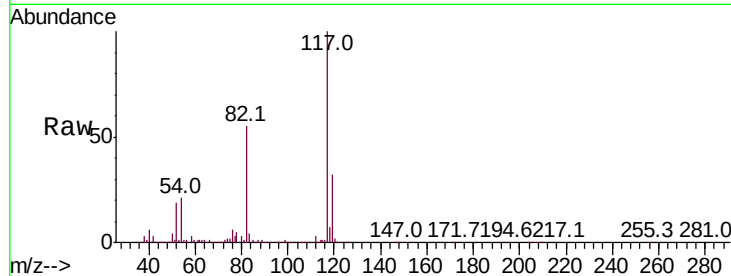




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

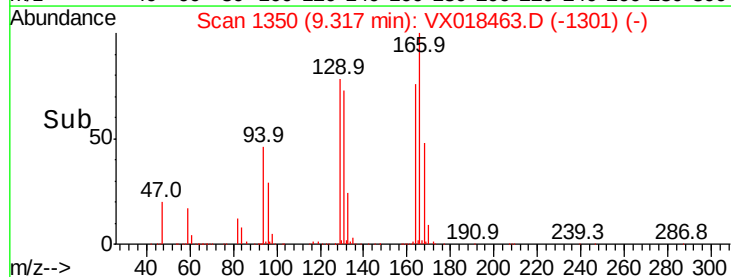
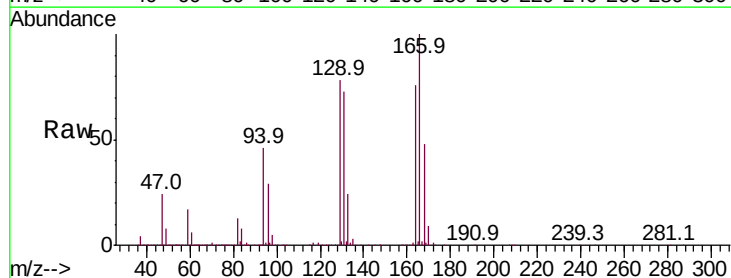
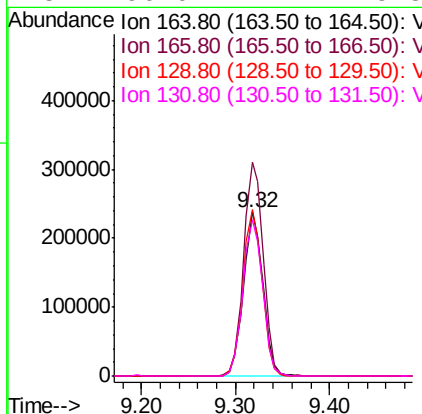
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

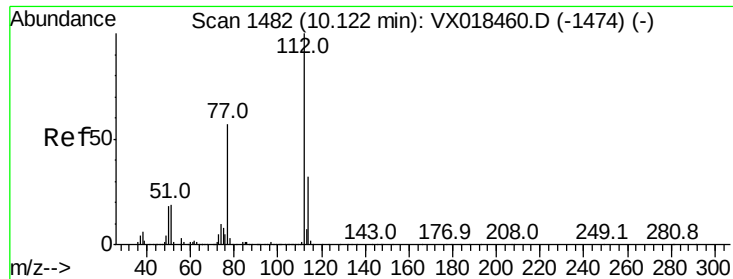
Tot Ion:117 Resp: 912443  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.3 64.9  
119 32.3 25.9 38.9



#64  
Tetrachloroethene  
Concen: 47.413 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion:164 Resp: 340592  
Ion Ratio Lower Upper  
164 100  
166 130.8 99.3 148.9  
129 101.9 80.7 121.1  
131 96.0 77.2 115.8

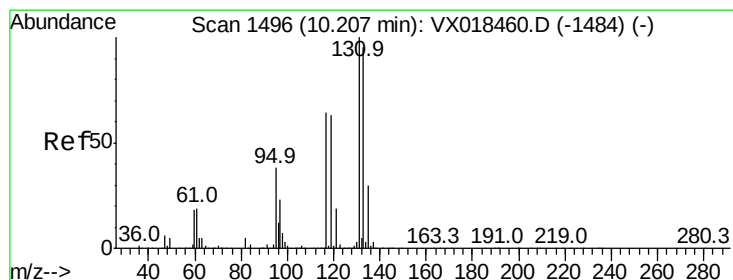
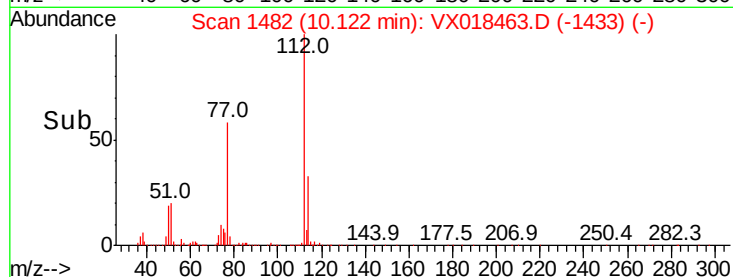
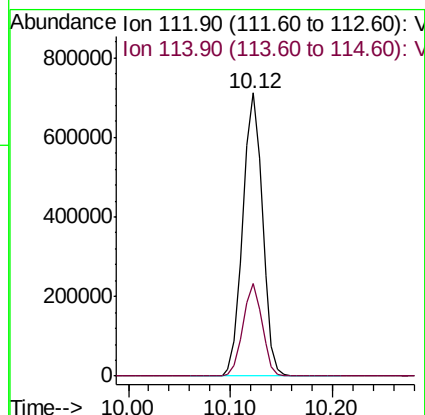
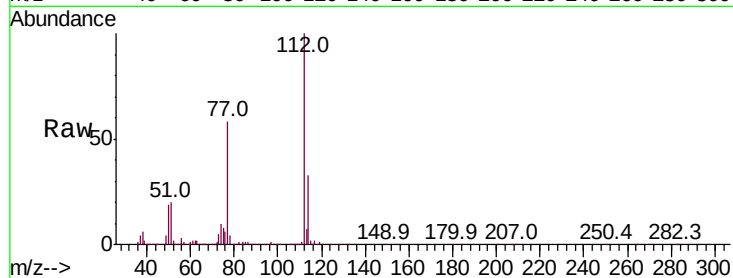




#65  
Chlorobenzene  
Concen: 50.478 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

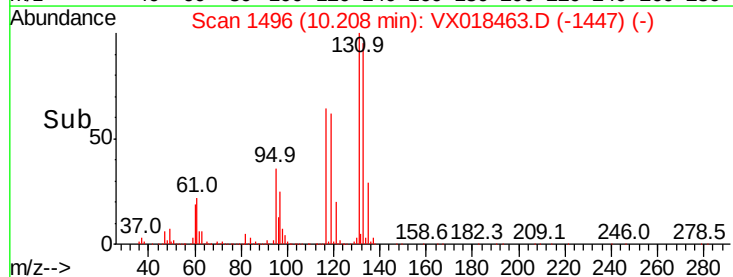
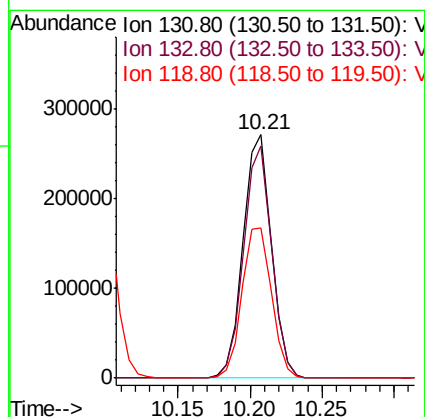
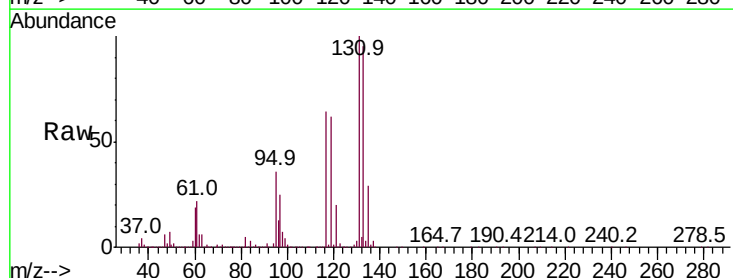
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

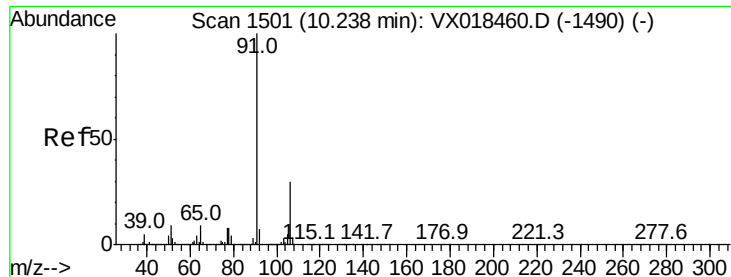
Tot Ion:112 Resp: 948398  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.228 ug/l  
RT: 10.21 min Scan# 1496  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion:131 Resp: 371034  
Ion Ratio Lower Upper  
131 100  
133 94.3 47.8 143.4  
119 64.0 31.9 95.7





#67

Ethyl Benzene

Concen: 51.642 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

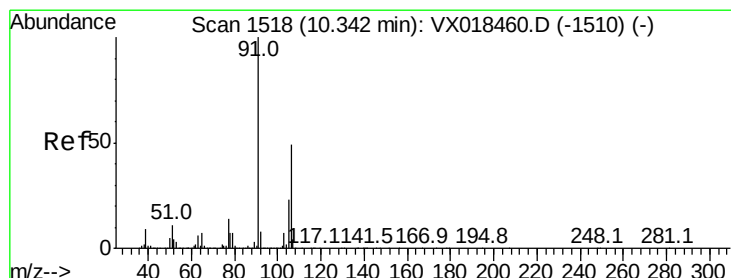
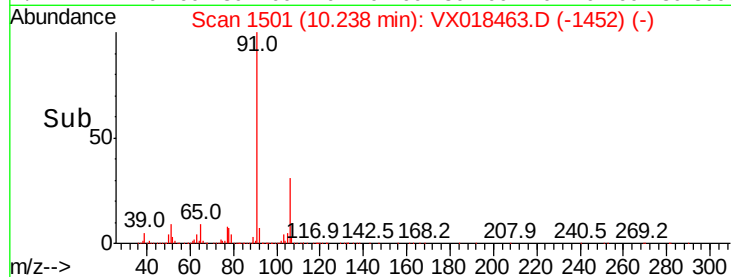
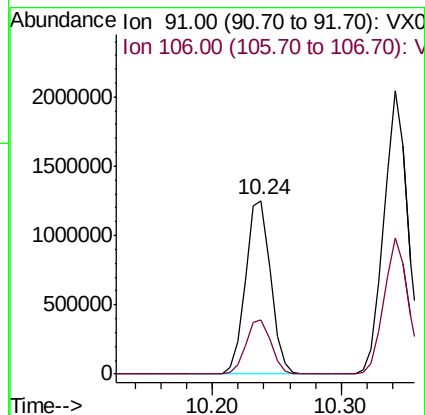
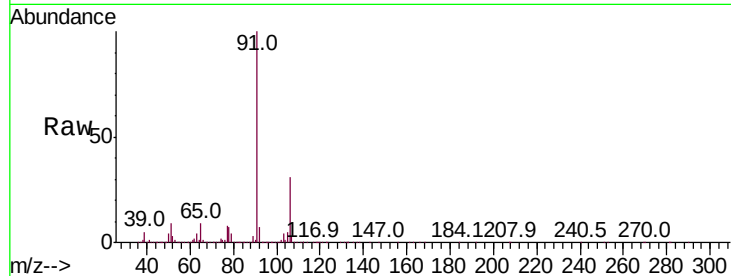
ICVVX091720

Tot Ion: 91 Resp: 1679454

Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1



#68

m/p-Xylenes

Concen: 103.473 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018463.D

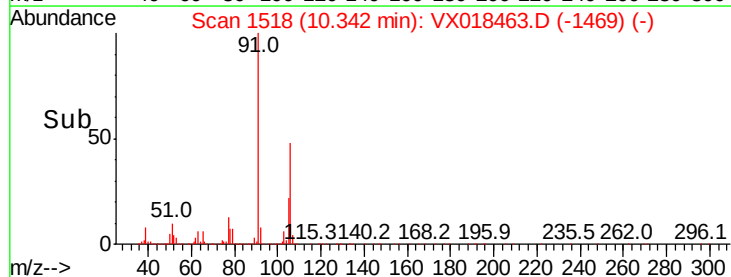
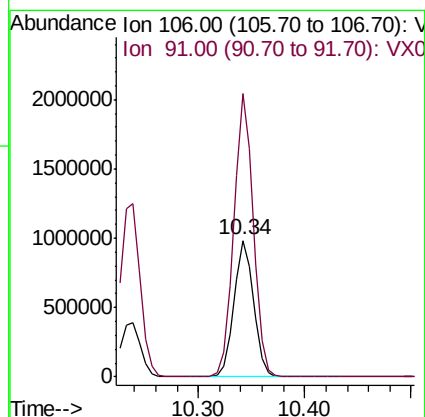
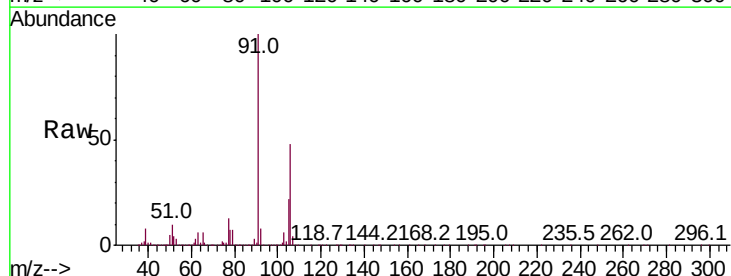
Acq: 17 Sep 2020 12:39

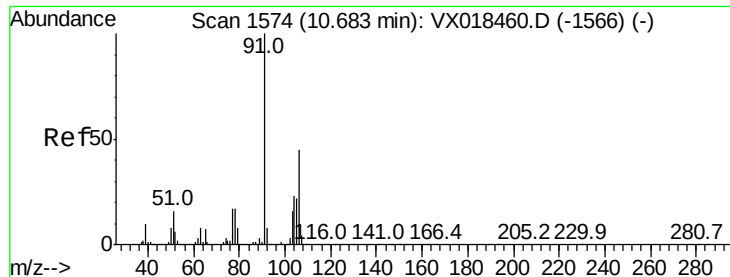
Tgt Ion: 106 Resp: 1272924

Ion Ratio Lower Upper

106 100

91 205.9 163.8 245.6

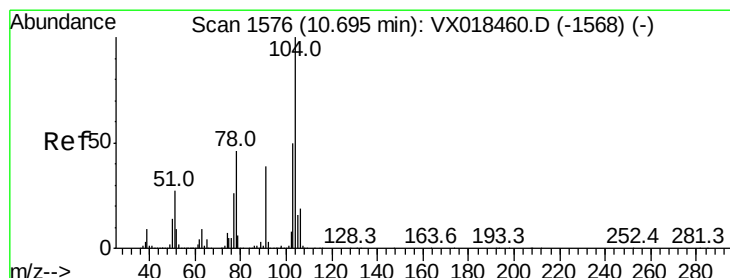
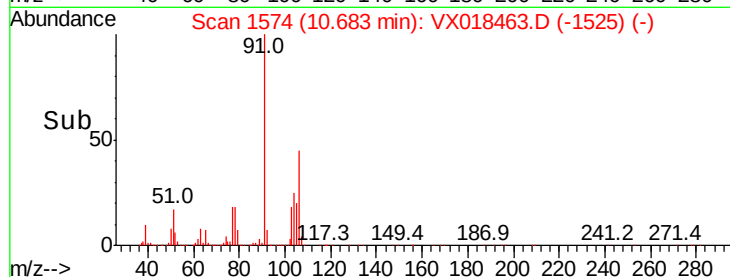
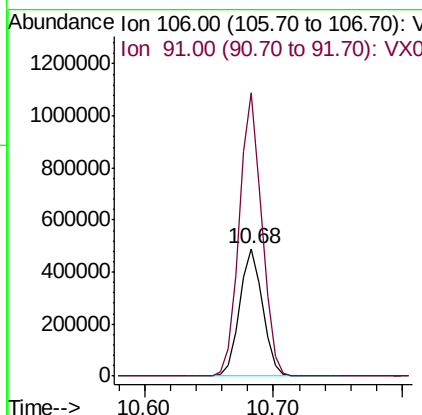
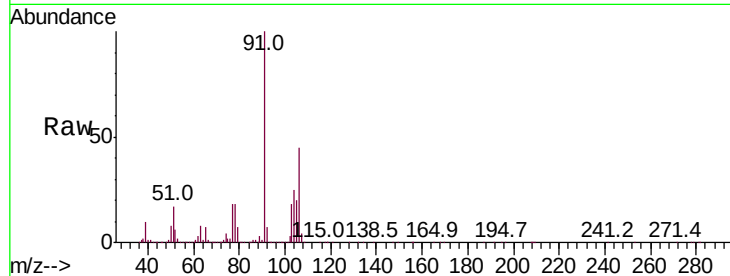




#69  
o-Xylene  
Concen: 51.932 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

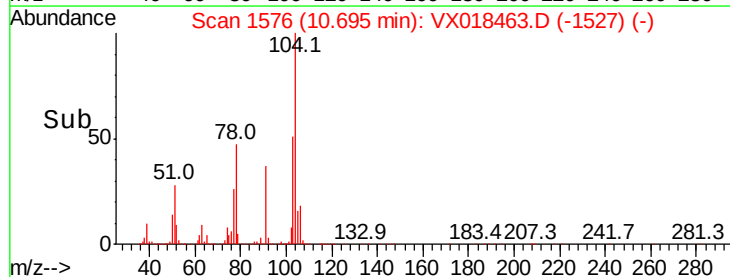
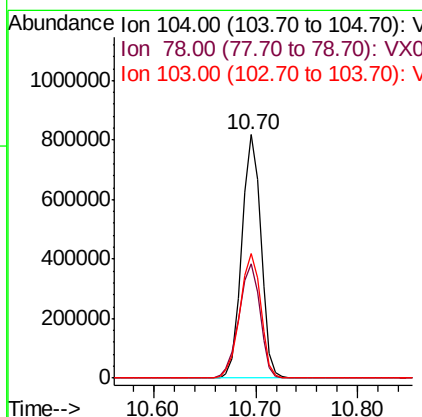
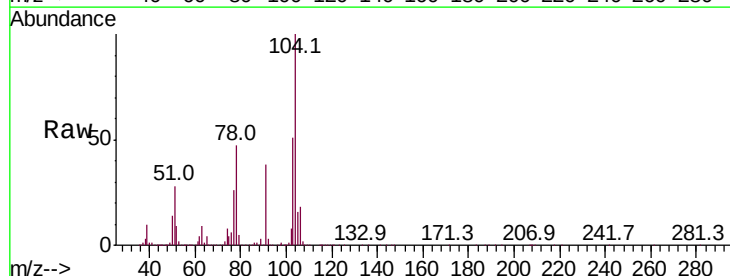
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

Tot Ion:106 Resp: 604972  
Ion Ratio Lower Upper  
106 100  
91 218.1 109.7 329.0

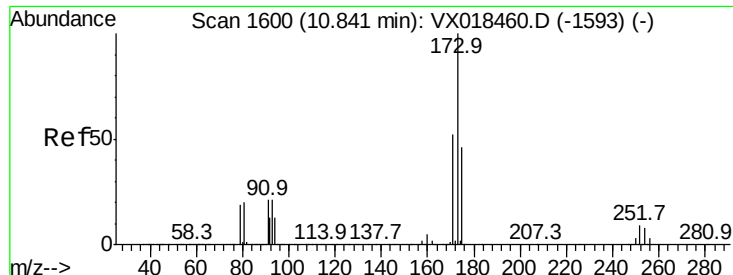


#70  
Styrene  
Concen: 52.554 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion:104 Resp: 1057082  
Ion Ratio Lower Upper  
104 100  
78 51.9 40.5 60.7  
103 56.0 43.2 64.8



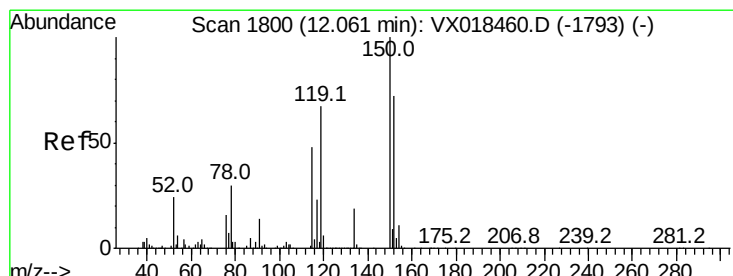
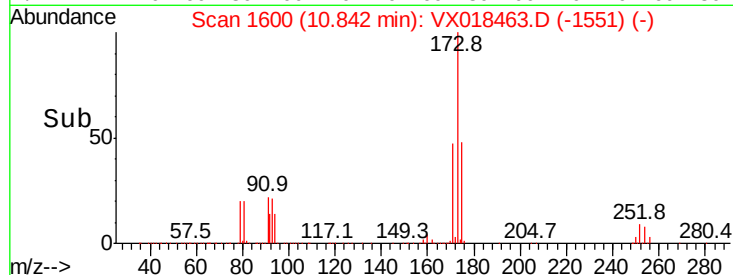
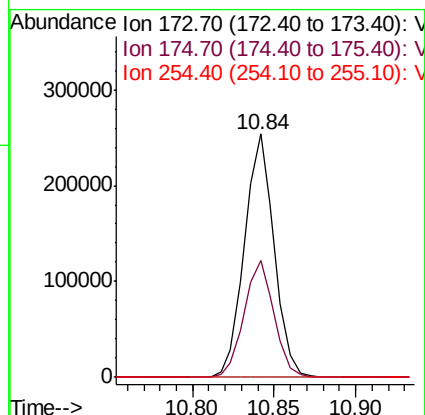
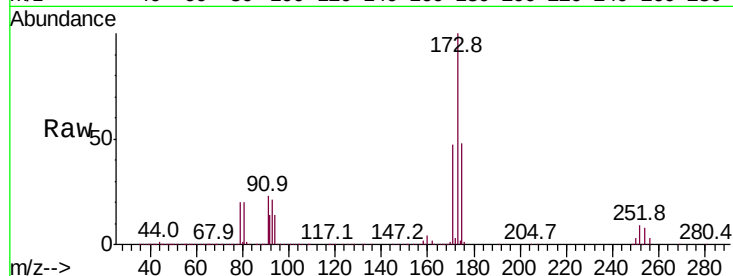




#71  
Bromoform  
Concen: 50.843 ug/l  
RT: 10.84 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

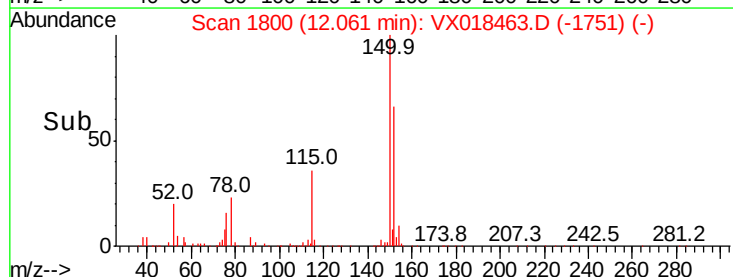
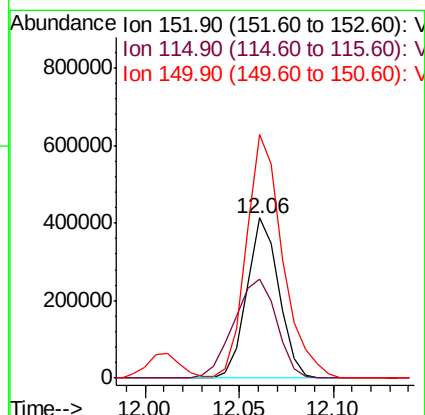
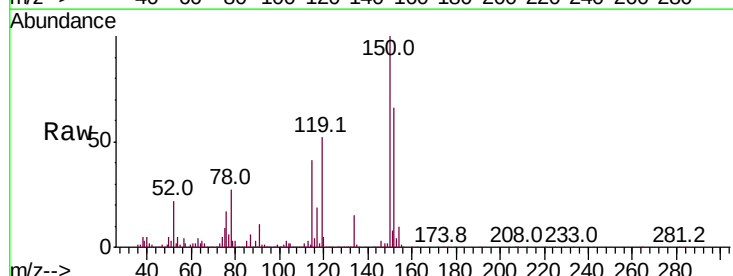
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

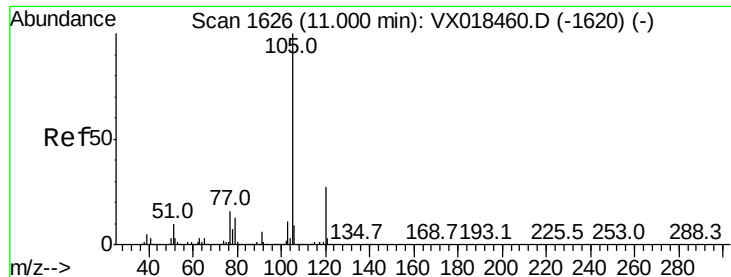
Tot Ion:173 Resp: 321754  
Ion Ratio Lower Upper  
173 100  
175 48.5 23.6 70.8  
254 0.1 0.1 0.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion:152 Resp: 487379  
Ion Ratio Lower Upper  
152 100  
115 82.3 41.8 125.4  
150 172.4 0.0 342.4





#73

Isopropylbenzene

Concen: 51.363 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

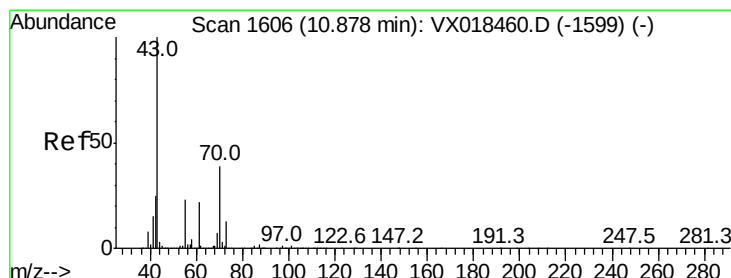
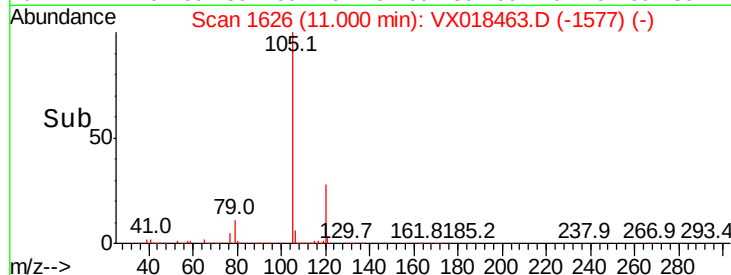
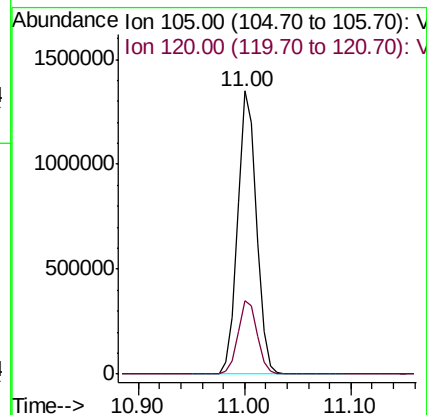
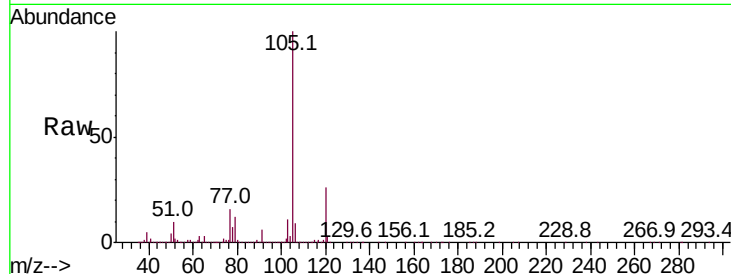
ICVX091720

Tot Ion:105 Resp: 1672327

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 52.176 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Tgt Ion: 43 Resp: 764807

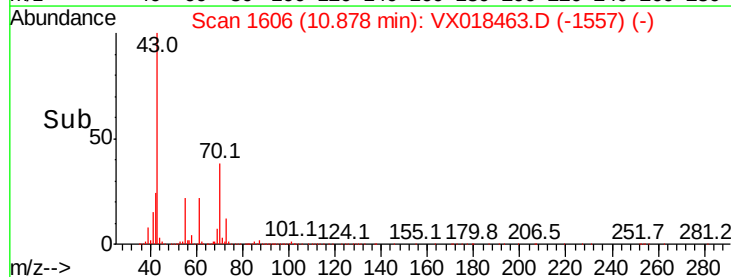
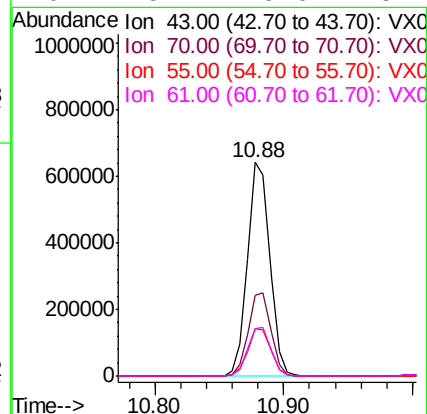
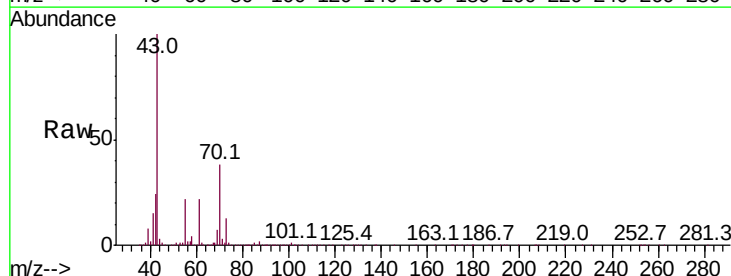
Ion Ratio Lower Upper

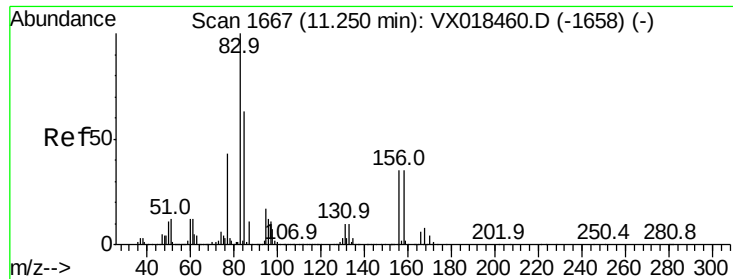
43 100

70 39.5 32.2 48.4

55 22.9 18.8 28.2

61 23.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.078 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampled :

ICVVX091720

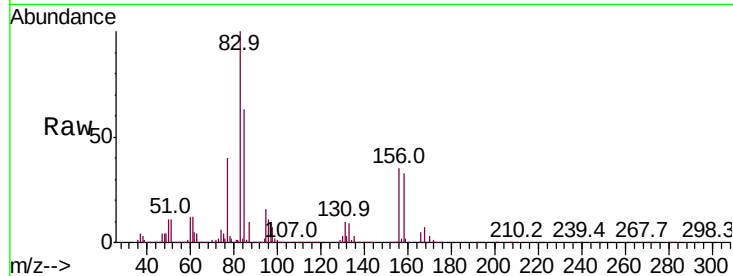
Tot Ion: 83 Resp: 528903

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

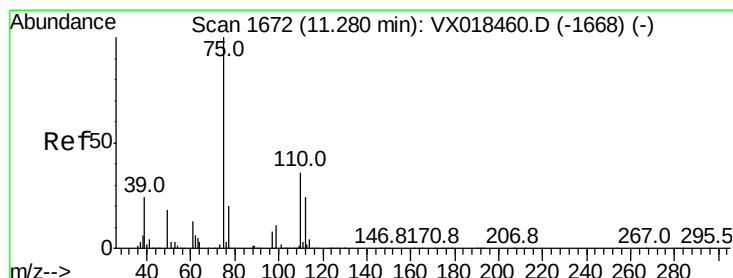
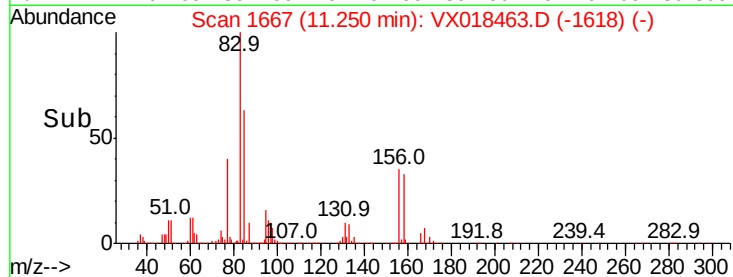
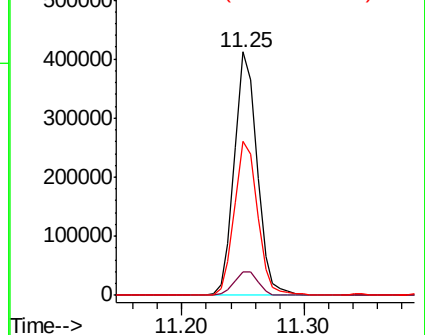
85 64.5 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.135 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018463.D

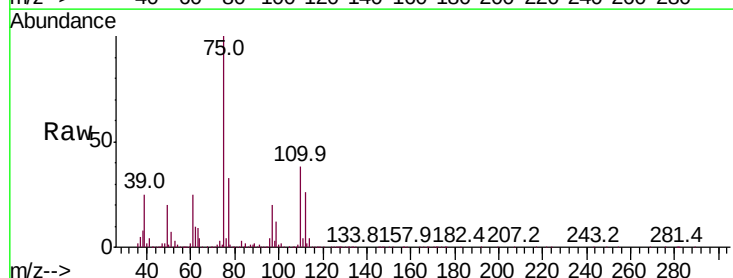
Acq: 17 Sep 2020 12:39

Tgt Ion: 75 Resp: 667107

Ion Ratio Lower Upper

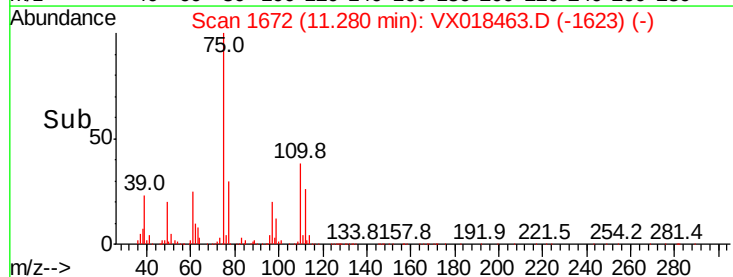
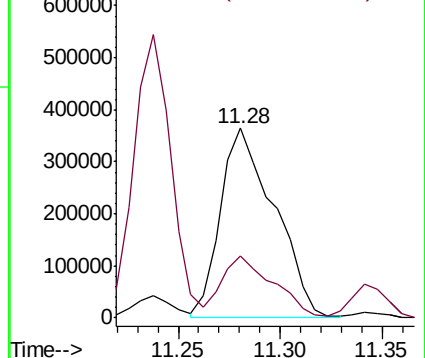
75 100

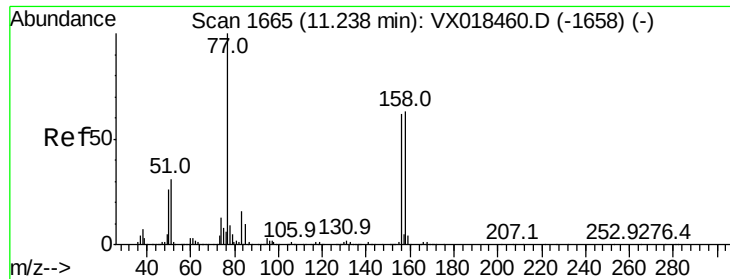
77 31.0 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.887 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

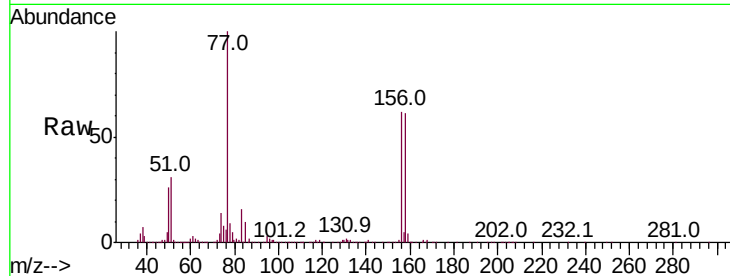
Tot Ion:156 Resp: 430196

Ion Ratio Lower Upper

156 100

77 161.1 78.8 236.5

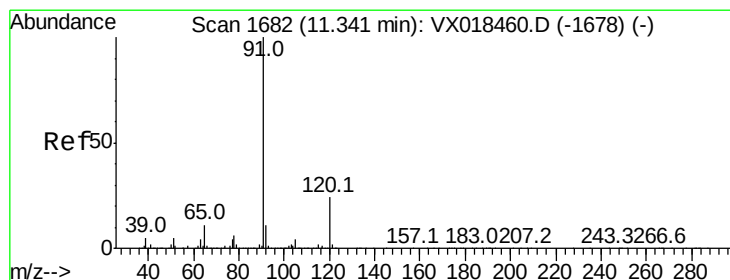
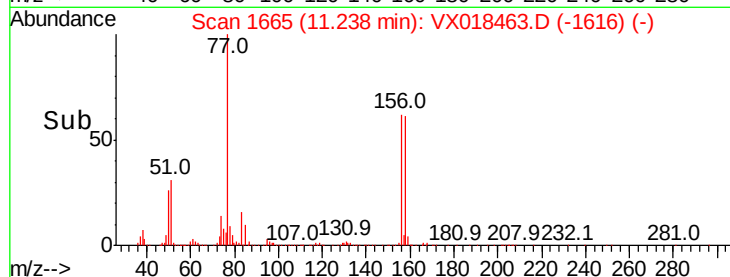
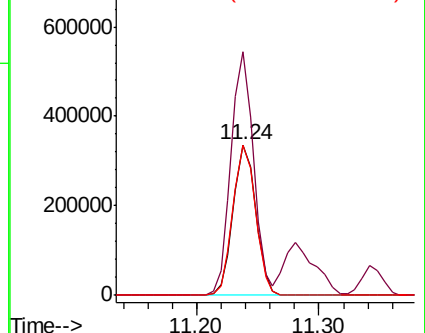
158 99.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.797 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX018463.D

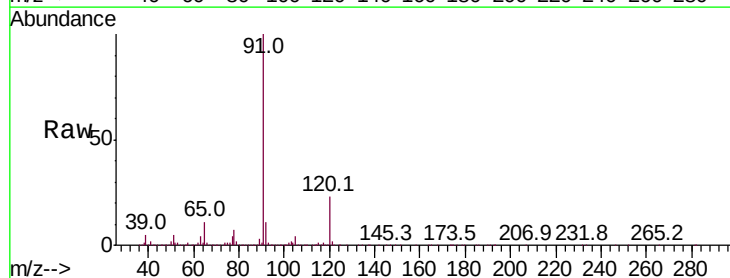
Acq: 17 Sep 2020 12:39

Tgt Ion: 91 Resp: 1935928

Ion Ratio Lower Upper

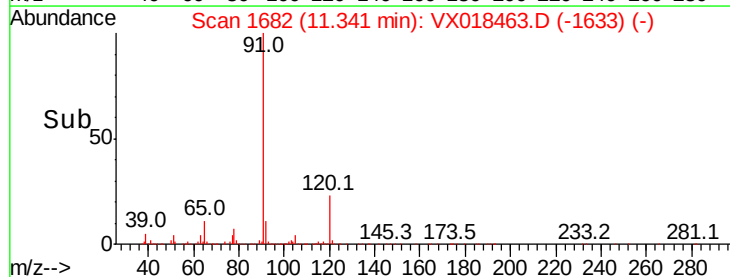
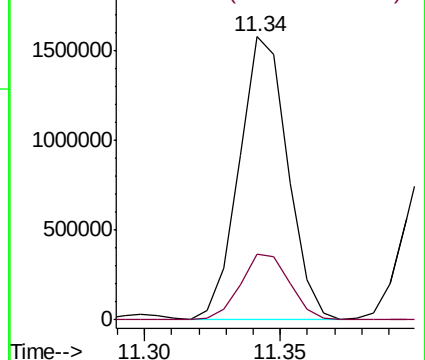
91 100

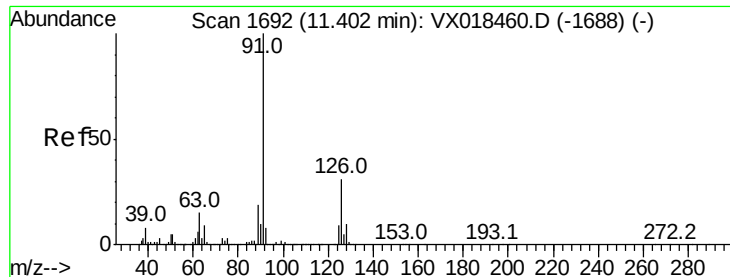
120 23.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.891 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

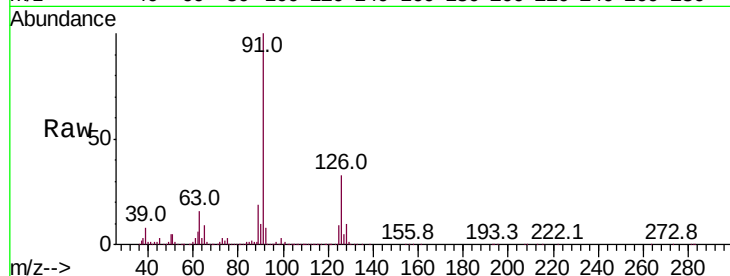
ICVVX091720

Tot Ion: 91 Resp: 1150926

Ion Ratio Lower Upper

91 100

126 34.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VX018463.D (-1643) (-)

Ion 125.90 (125.60 to 126.60): VX018463.D (-1643) (-)

1500000

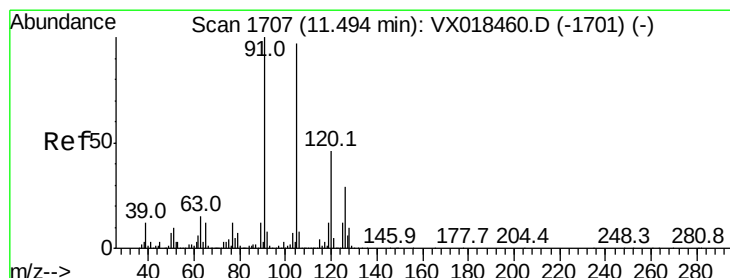
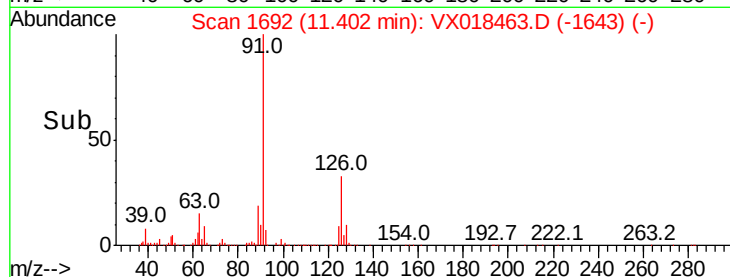
1000000

500000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.724 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018463.D

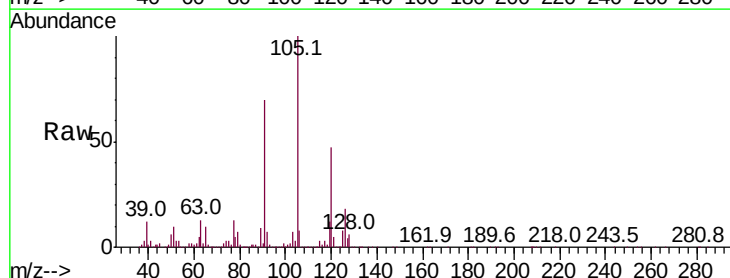
Acq: 17 Sep 2020 12:39

Tgt Ion:105 Resp: 1440237

Ion Ratio Lower Upper

105 100

120 47.4 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): VX018463.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX018463.D (-1658) (-)

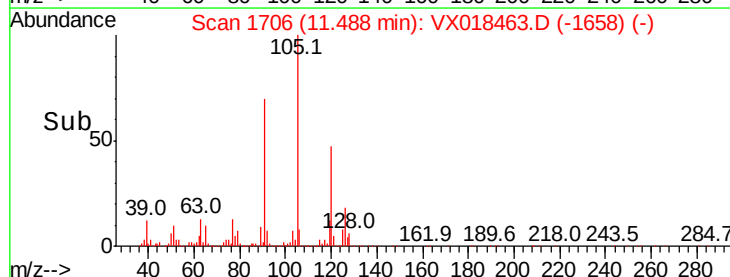
1000000

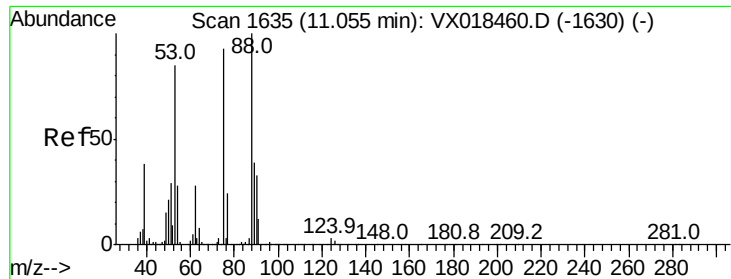
500000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.826 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

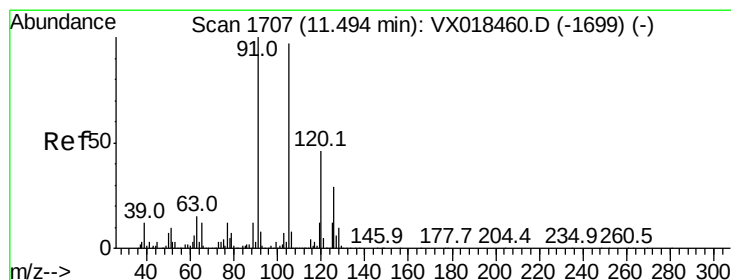
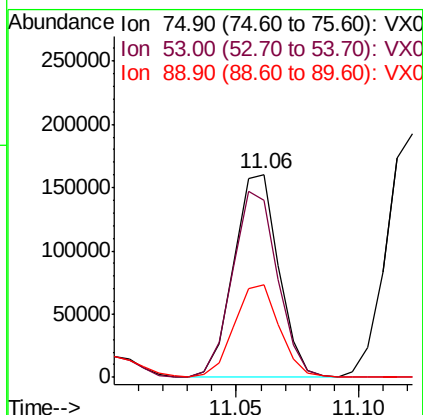
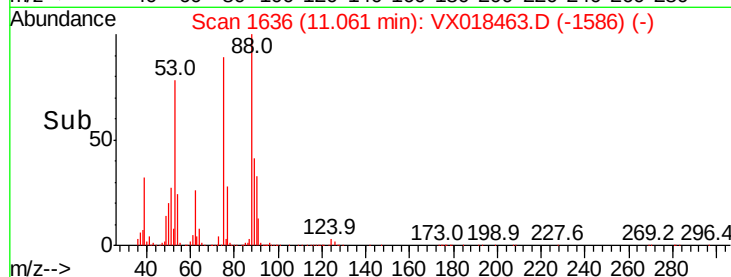
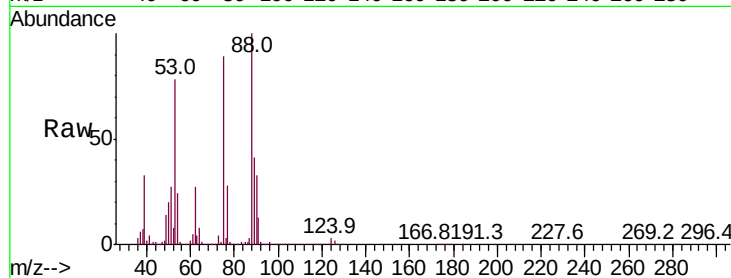
Tot Ion: 75 Resp: 203145

Ion Ratio Lower Upper

75 100

53 92.3 74.6 111.8

89 46.6 36.2 54.4



#82

4-Chlorotoluene

Concen: 50.419 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018463.D

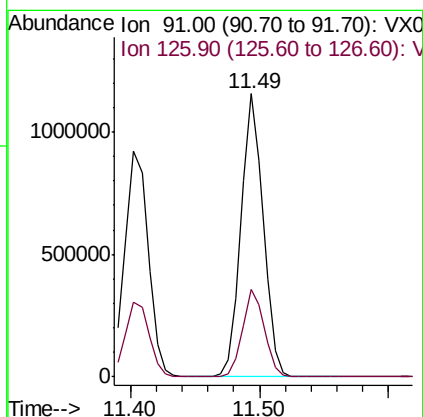
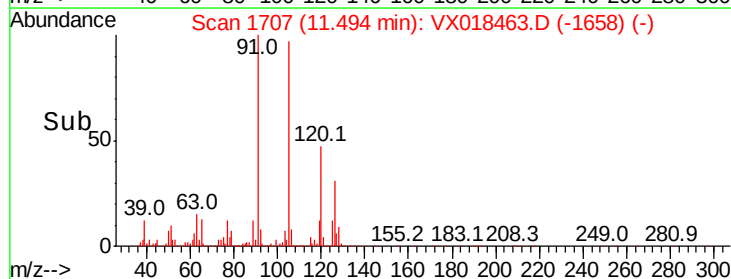
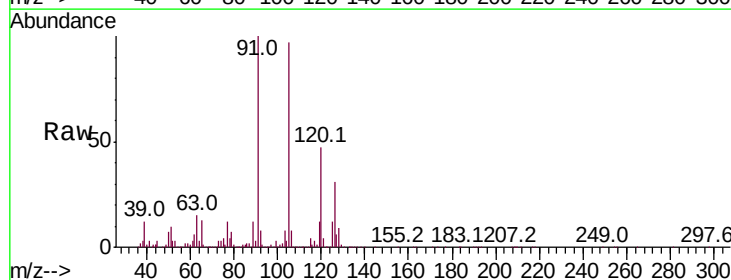
Acq: 17 Sep 2020 12:39

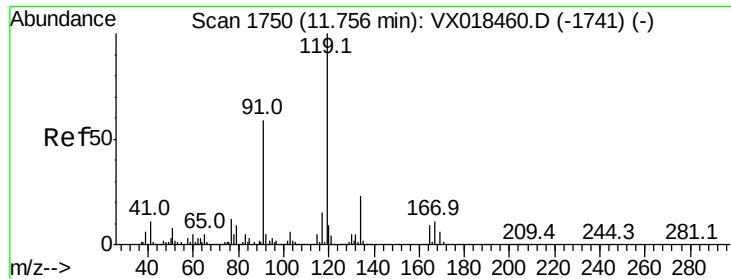
Tgt Ion: 91 Resp: 1382593

Ion Ratio Lower Upper

91 100

126 30.4 15.0 45.0





#83

tert-Butylbenzene

Concen: 51.751 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

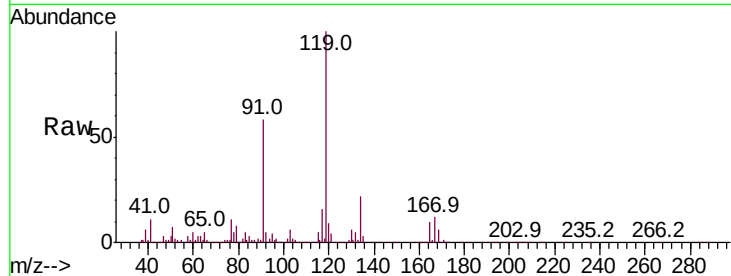
Tot Ion:119 Resp: 1399076

Ion Ratio Lower Upper

119 100

91 56.8 28.9 86.7

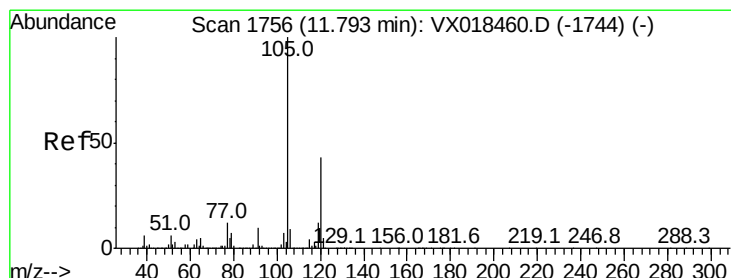
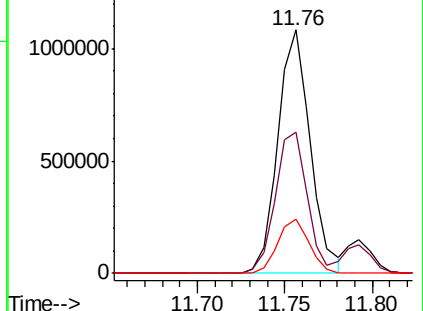
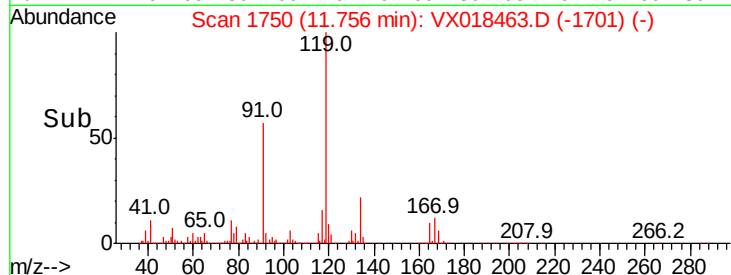
134 21.8 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.024 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018463.D

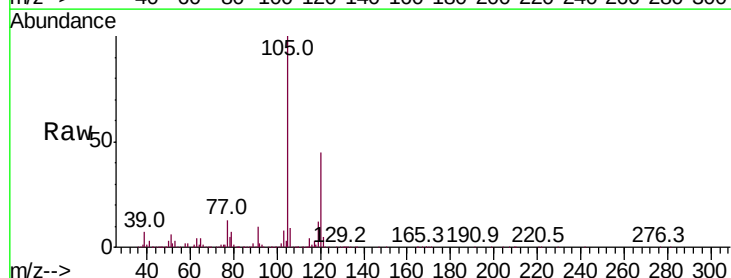
Acq: 17 Sep 2020 12:39

Tgt Ion:105 Resp: 1458866

Ion Ratio Lower Upper

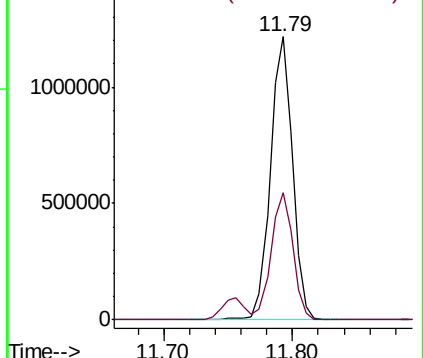
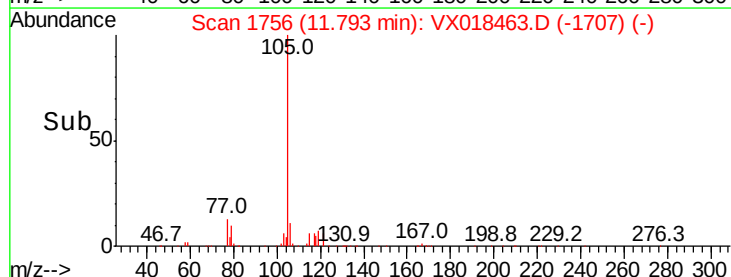
105 100

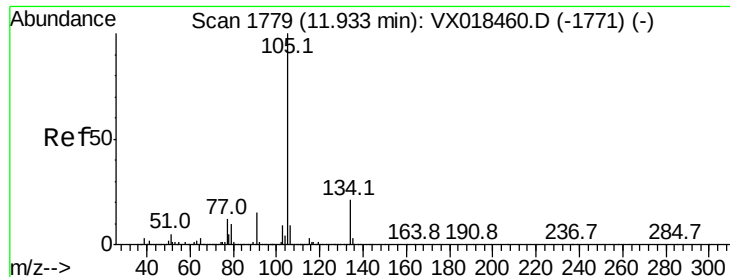
120 44.2 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.310 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampled :

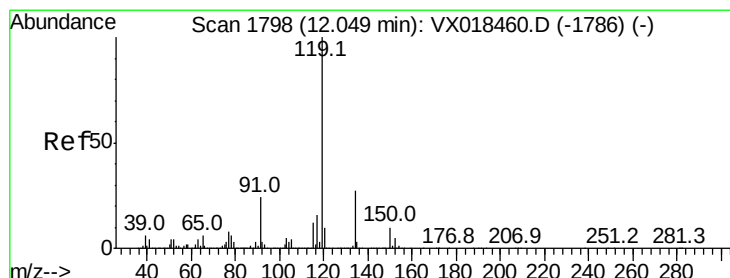
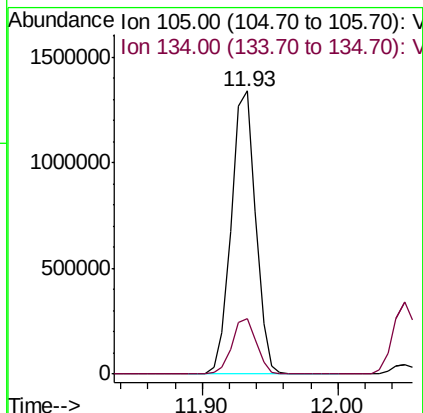
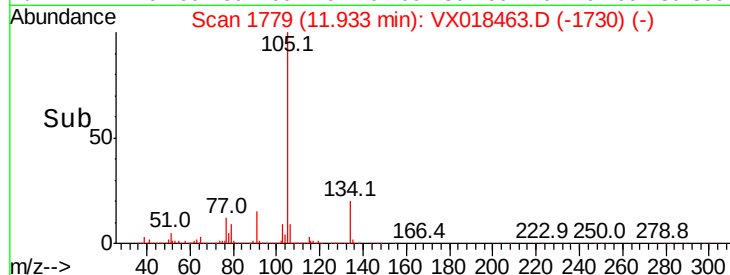
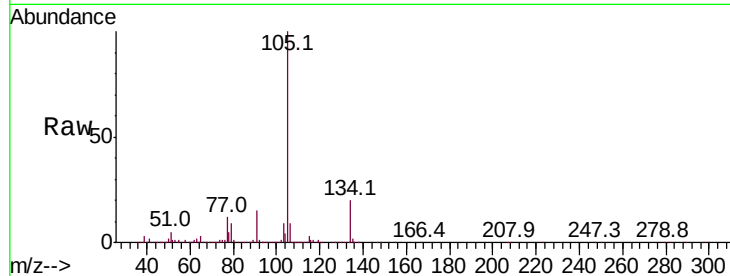
ICVX091720

Tot Ion:105 Resp: 1668648

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.4



#86

p-Isopropyltoluene

Concen: 52.205 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

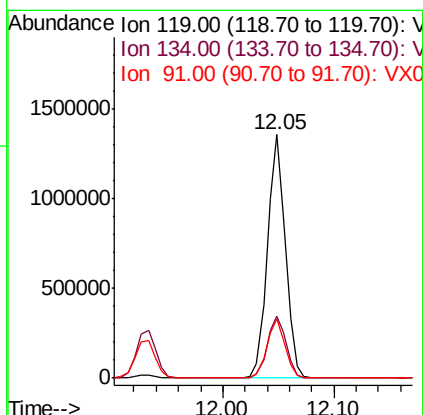
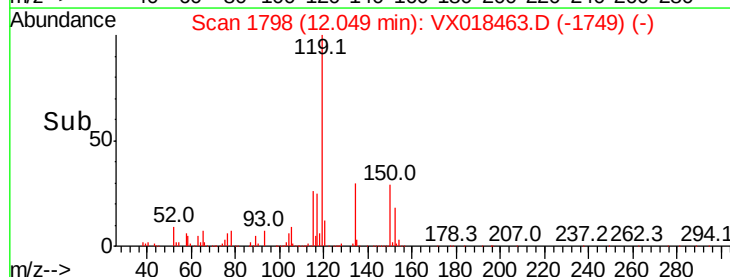
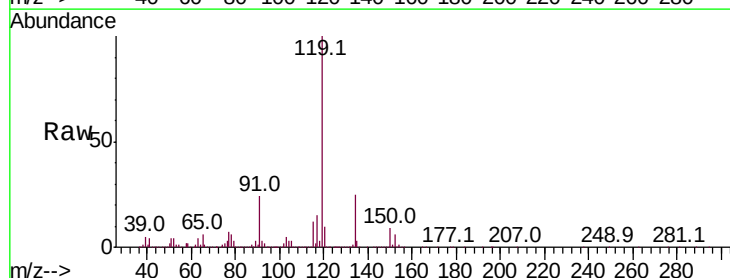
Tgt Ion:119 Resp: 1530484

Ion Ratio Lower Upper

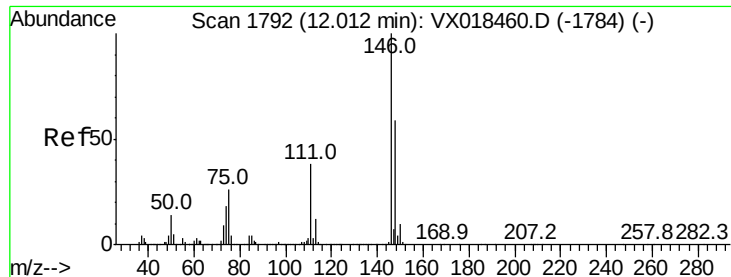
119 100

134 26.4 13.3 39.9

91 24.3 11.9 35.9







#87

1,3-Dichlorobenzene

Concen: 48.823 ug/l

RT: 12.01 min Scan# 1791

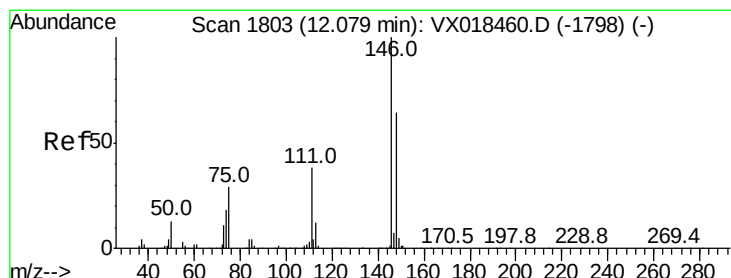
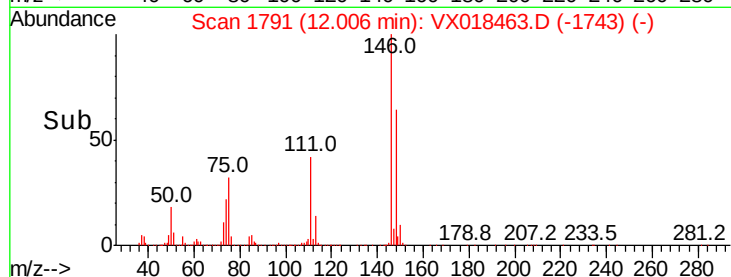
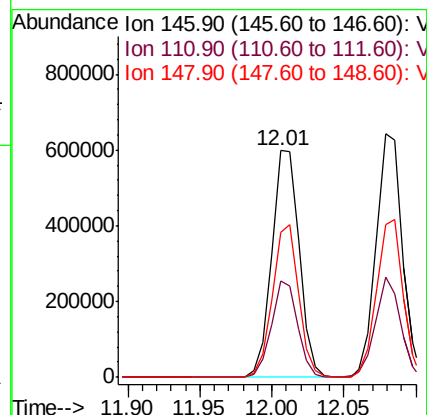
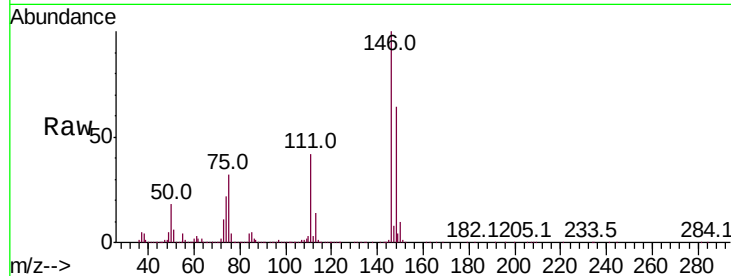
Delta R.T. -0.01 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.4  | 61.2  |
| 148     | 64.0  | 31.1  | 93.2  |



#88

1,4-Dichlorobenzene

Concen: 48.687 ug/l

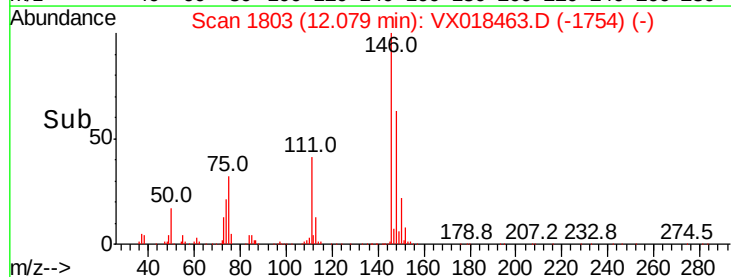
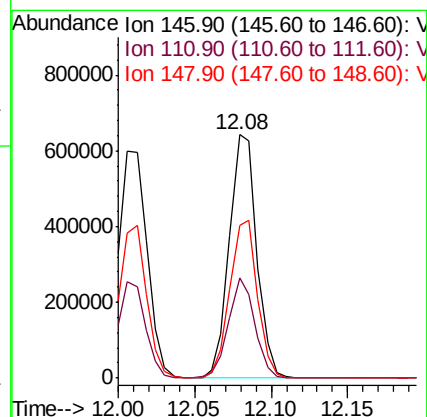
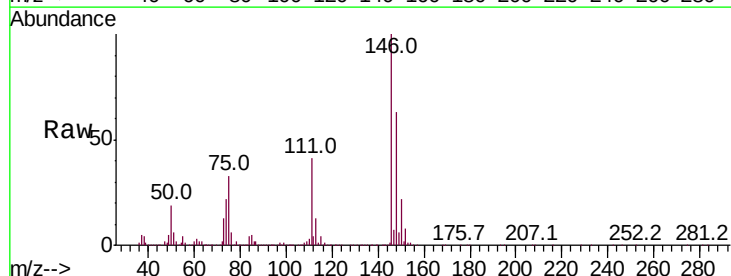
RT: 12.08 min Scan# 1803

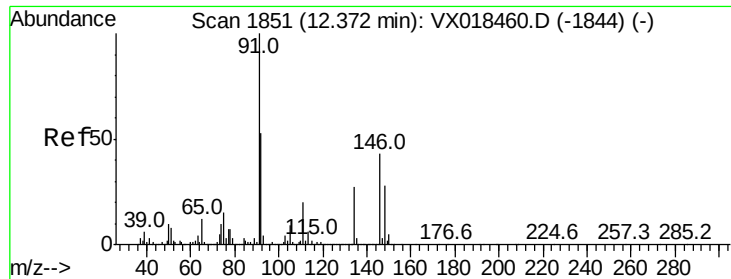
Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 19.4  | 58.4  |
| 148     | 65.4  | 31.8  | 95.4  |

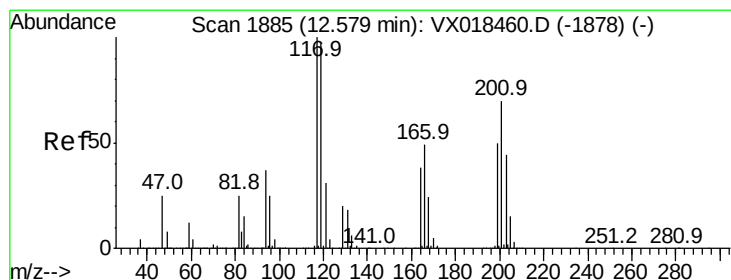
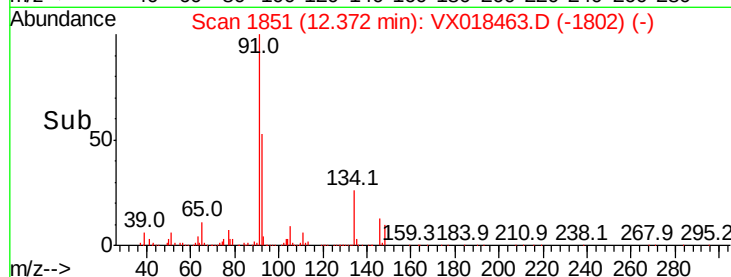
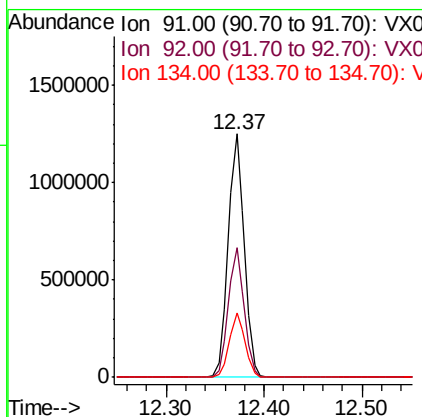
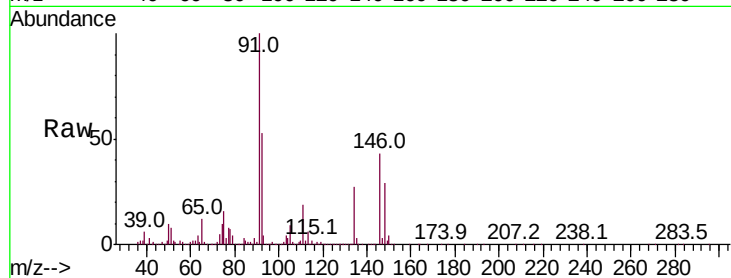




#89  
n-Butylbenzene  
Concen: 52.491 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

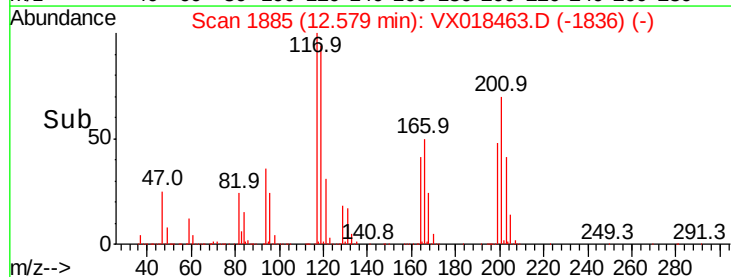
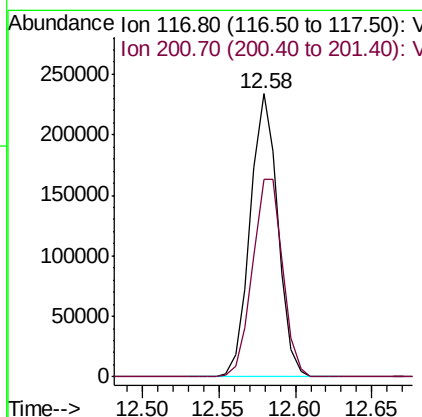
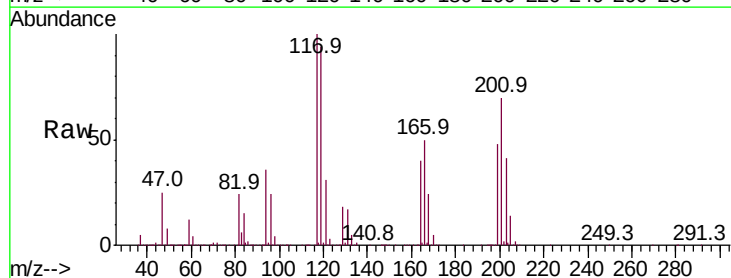
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX091720

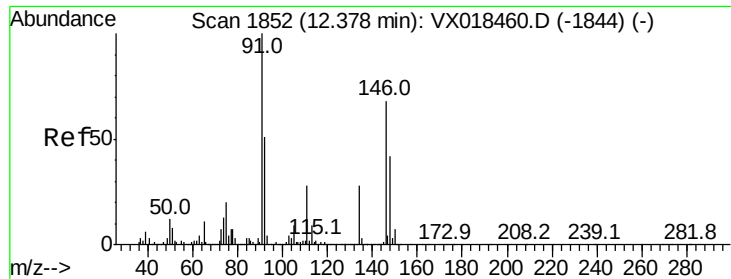
Tot Ion: 91 Resp: 1424605  
Ion Ratio Lower Upper  
91 100  
92 52.5 26.1 78.2  
134 25.9 13.3 39.8



#90  
Hexachloroethane  
Concen: 49.983 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX018463.D  
Acq: 17 Sep 2020 12:39

Tgt Ion: 117 Resp: 292537  
Ion Ratio Lower Upper  
117 100  
201 76.7 36.2 108.6

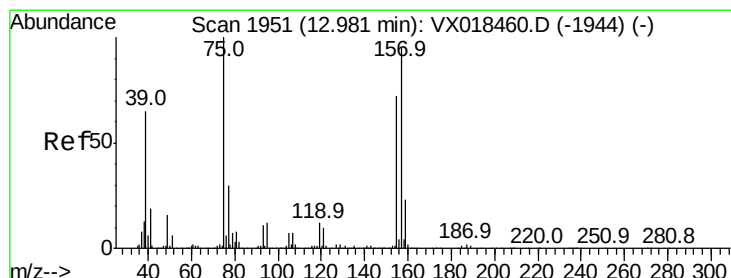
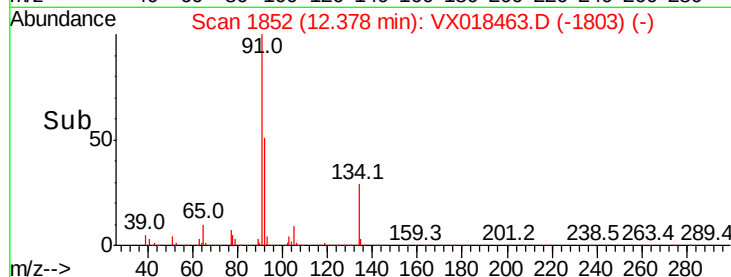
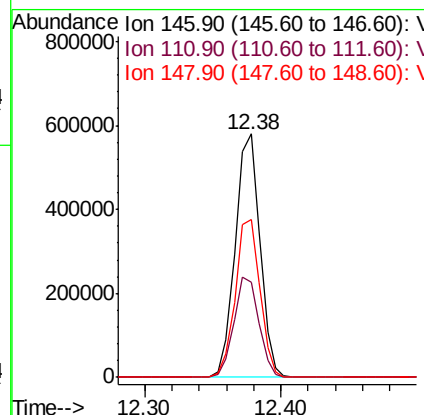
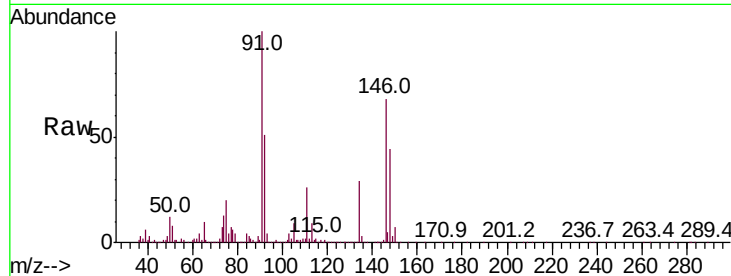




#91  
 1,2-Dichlorobenzene  
 Concen: 48.481 ug/l  
 RT: 12.38 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

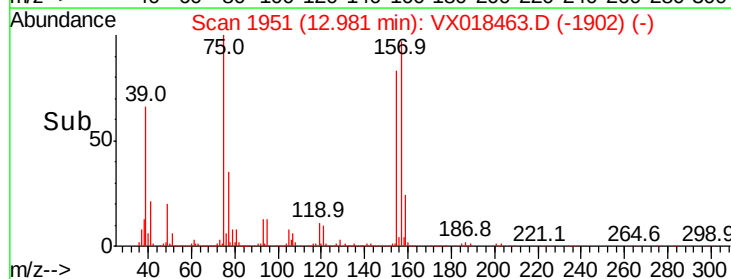
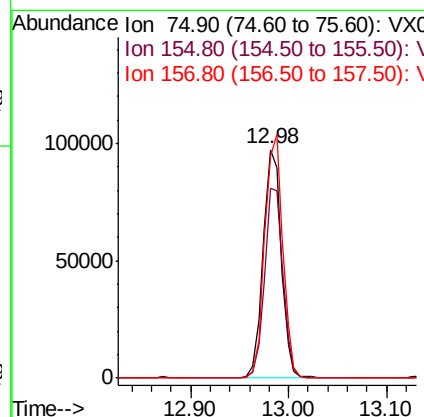
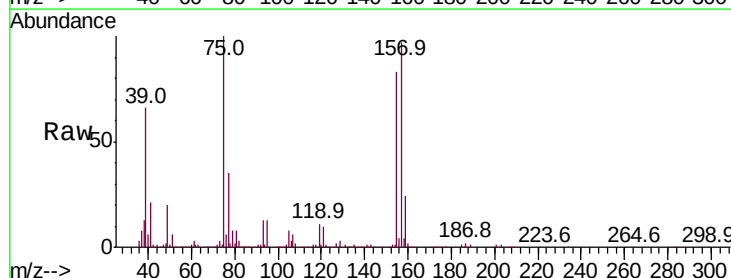
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX091720

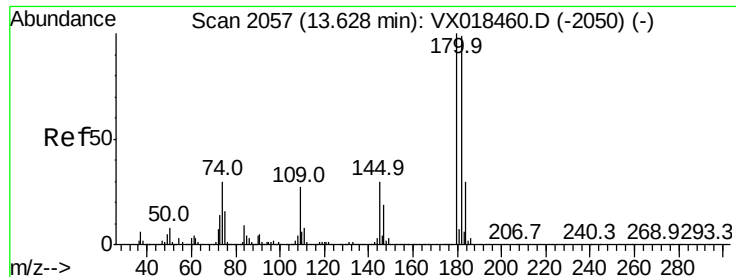
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.8  | 21.5  | 64.5  |
| 148     | 65.1  | 32.1  | 96.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.386 ug/l  
 RT: 12.98 min Scan# 1951  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.9  | 38.8  | 116.4 |
| 157     | 105.3 | 51.1  | 153.3 |

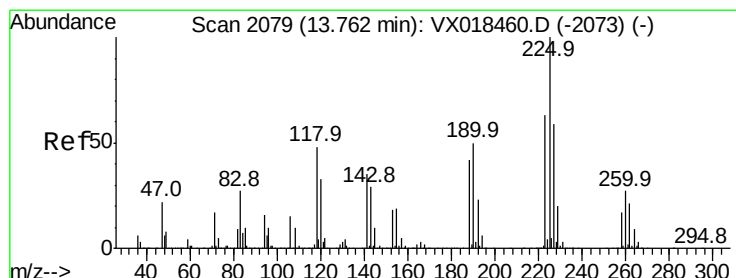
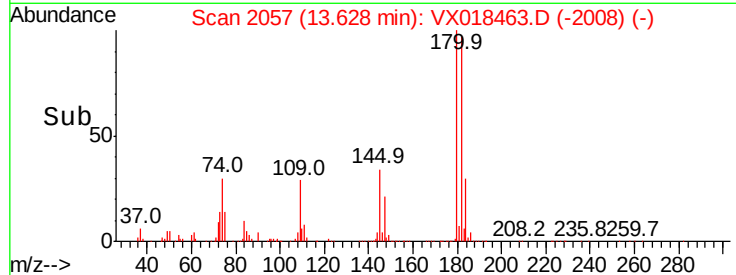
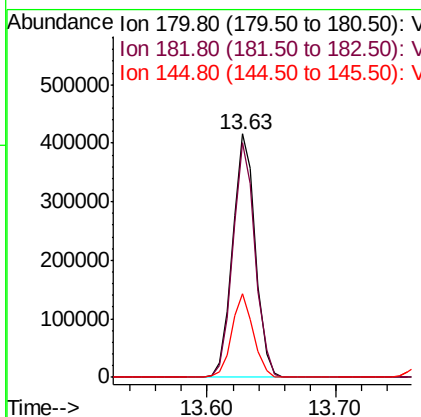
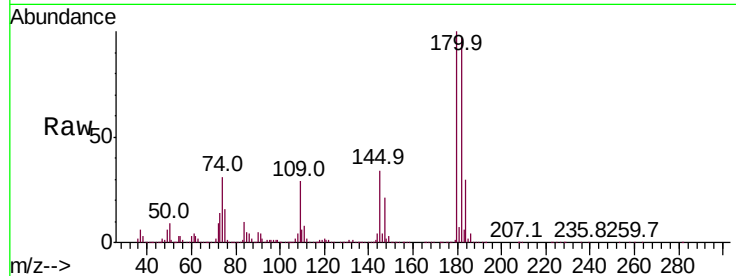




#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.613 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

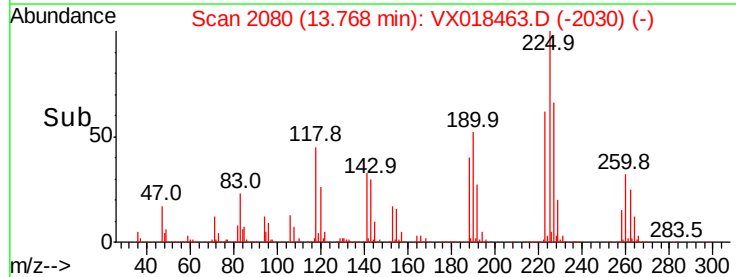
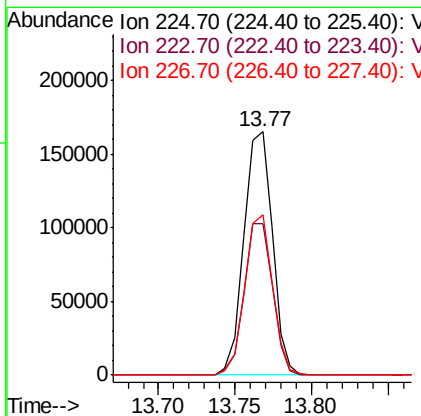
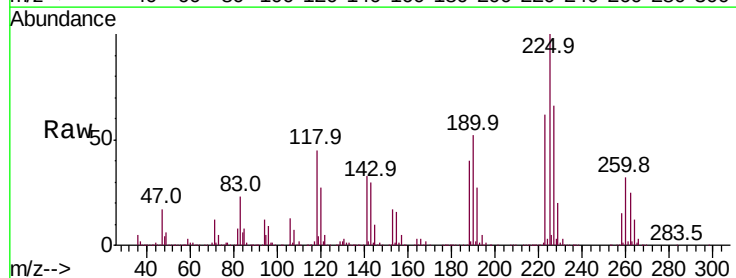
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX091720

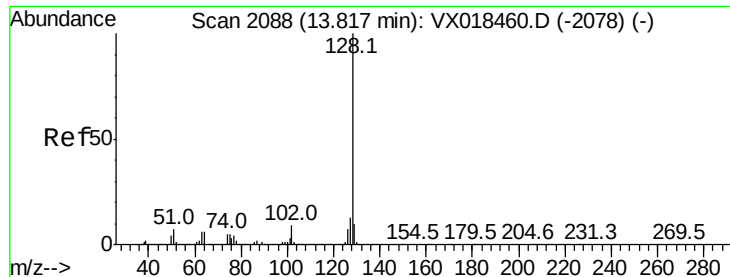
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 50.2  | 150.6 |
| 145     | 32.5  | 15.7  | 47.1  |



#94  
 Hexachlorobutadiene  
 Concen: 48.681 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. 0.01 min  
 Lab File: VX018463.D  
 Acq: 17 Sep 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.1  | 32.0  | 96.2  |
| 227     | 63.6  | 31.7  | 95.1  |





#95

Naphthalene

Concen: 51.814 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX091720

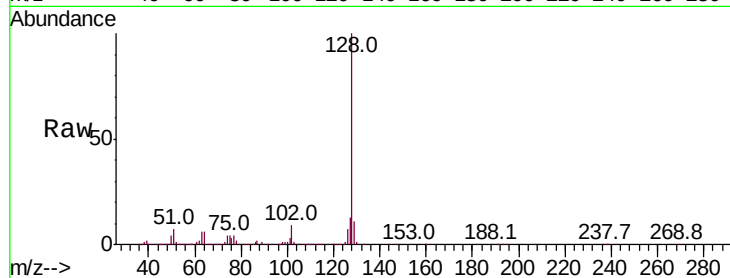
Tot Ion:128 Resp: 1646465

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

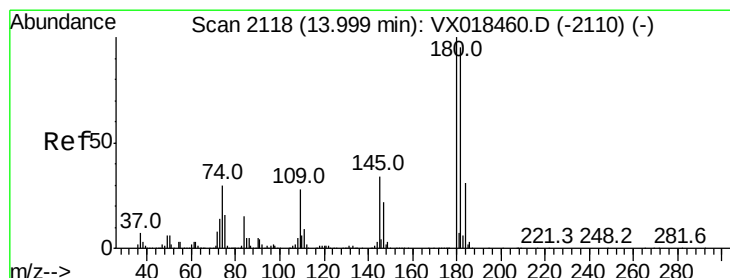
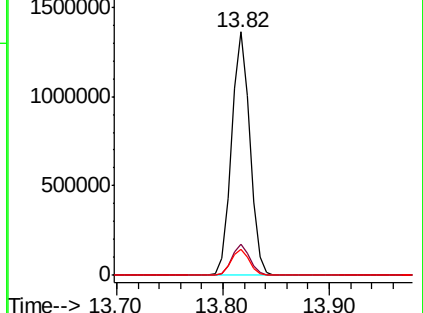
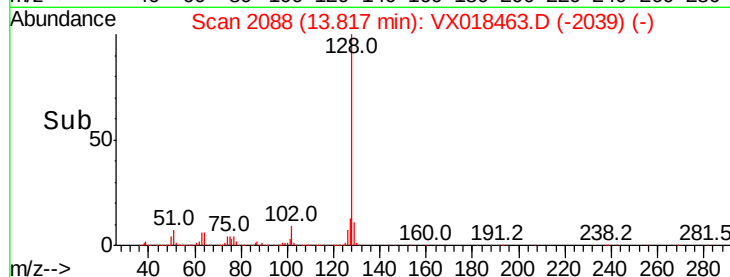
129 10.6 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 49.521 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018463.D

Acq: 17 Sep 2020 12:39

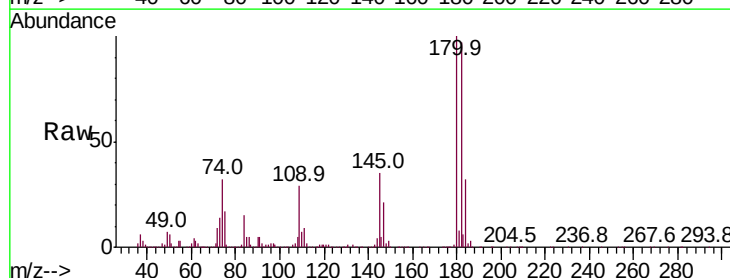
Tgt Ion:180 Resp: 497965

Ion Ratio Lower Upper

180 100

182 96.2 47.1 141.3

145 33.2 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

