

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072420\  
 Data File : VX017591.D  
 Acq On : 25 Jul 2020 13:21  
 Operator : JC/SP  
 Sample : L3371-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 27 01:13:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 2020  
 Response via : Initial Calibration

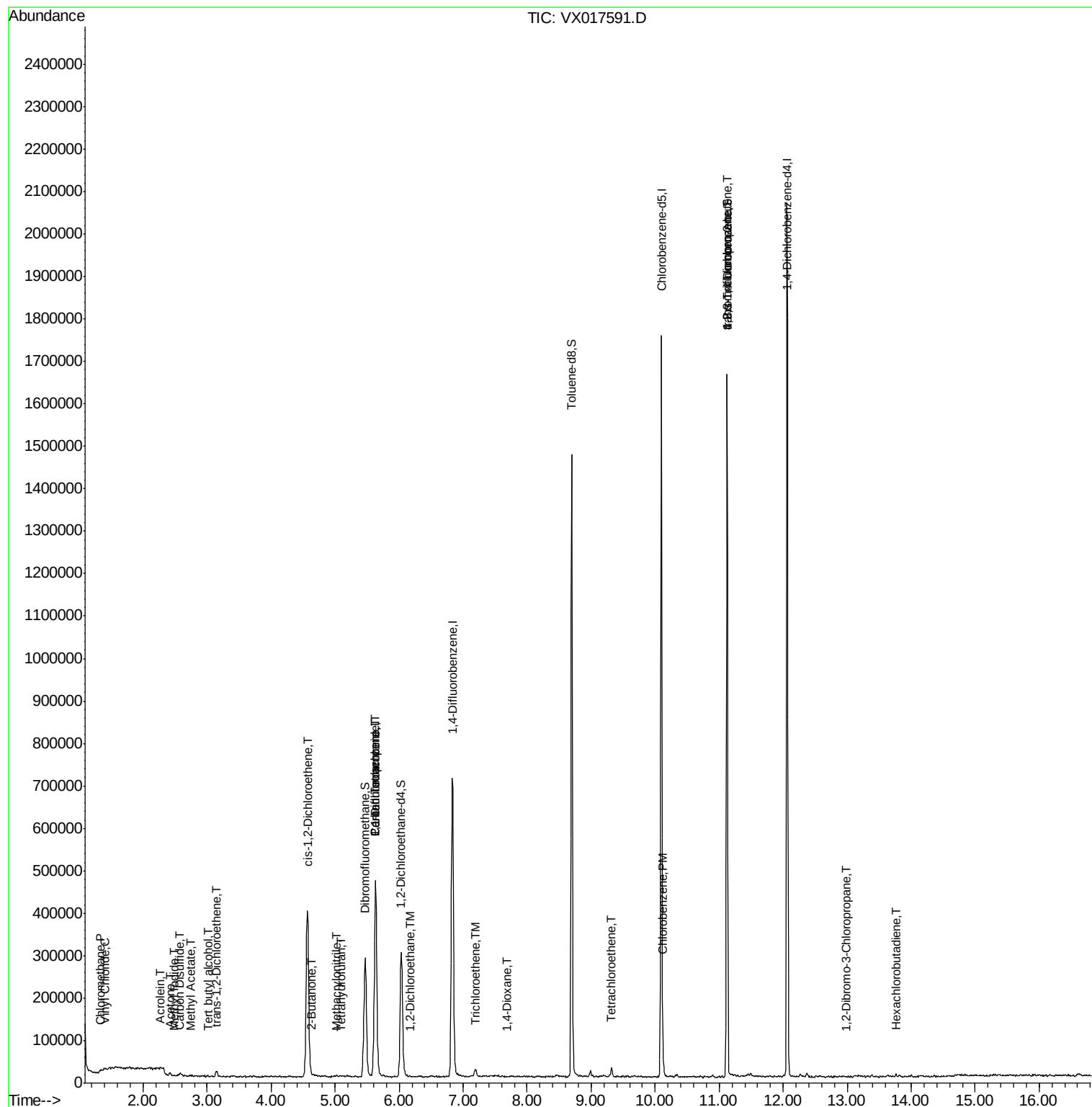
| Internal Standards             | R.T.  | QIon | Response | Conc        | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-------------|---------|----------|
| 1) Pentafluorobenzene          | 5.63  | 168  | 423190   | 50.00       | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 6.83  | 114  | 706870   | 50.00       | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 10.10 | 117  | 775664   | 50.00       | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 12.06 | 152  | 425765   | 50.00       | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |             |         |          |
| 33) 1,2-Dichloroethane-d4      | 6.03  | 65   | 304270   | 55.97       | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =           | 111.94% |          |
| 35) Dibromofluoromethane       | 5.46  | 113  | 245005   | 51.82       | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =           | 103.64% |          |
| 50) Toluene-d8                 | 8.70  | 98   | 855741   | 50.18       | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =           | 100.36% |          |
| 62) 4-Bromofluorobenzene       | 11.12 | 95   | 396436   | 58.08       | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =           | 116.16% |          |
| Target Compounds               |       |      |          |             |         |          |
|                                |       |      |          |             | Qvalue  |          |
| 2) Dichlorodifluoromethane     | 1.18  | 85   | 408      | Below Cal   | #       | 1        |
| 3) Chloromethane               | 1.32  | 50   | 1189     | 0.592 ug/l  | #       | 50       |
| 4) Vinyl Chloride              | 1.40  | 62   | 2378     | 0.447 ug/l  |         | 99       |
| 5) Bromomethane                | 1.61  | 94   | 219      | Below Cal   | #       | 11       |
| 6) Chloroethane                | 1.70  | 64   | 423      | Below Cal   | #       | 84       |
| 8) Diethyl Ether               | 2.27  | 74   | 302      | Below Cal   |         | 80       |
| 10) Methyl Iodide              | 2.49  | 142  | 1208     | 0.205 ug/l  | #       | 76       |
| 11) Tert butyl alcohol         | 3.01  | 59   | 2170     | 1.894 ug/l  | #       | 72       |
| 13) Acrolein                   | 2.28  | 56   | 539      | 4.755 ug/l  | #       | 1        |
| 16) Acetone                    | 2.42  | 43   | 6442     | 2.692 ug/l  | #       | 89       |
| 17) Carbon Disulfide           | 2.56  | 76   | 3713     | 0.279 ug/l  |         | 97       |
| 18) Methyl Acetate             | 2.75  | 43   | 1388     | 0.246 ug/l  | #       | 64       |
| 20) Methylene Chloride         | 2.84  | 84   | 427      | Below Cal   | #       | 16       |
| 21) trans-1,2-Dichloroethene   | 3.15  | 96   | 6920     | 1.478 ug/l  | #       | 71       |
| 25) 2-Butanone                 | 4.64  | 43   | 808      | 0.238 ug/l  |         | 97       |
| 27) cis-1,2-Dichloroethene     | 4.57  | 96   | 250963   | 49.343 ug/l |         | 89       |
| 29) Tetrahydrofuran            | 5.08  | 42   | 464      | 0.220 ug/l  | #       | 33       |
| 36) 1,1-Dichloropropene        | 5.63  | 75   | 32410    | 4.781 ug/l  | #       | 51       |
| 38) Carbon Tetrachloride       | 5.62  | 117  | 45093    | 5.477 ug/l  | #       | 17       |
| 41) Methacrylonitrile          | 5.01  | 41   | 1189     | 0.280 ug/l  | #       | 42       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 1712     | 0.215 ug/l  | #       | 59       |
| 44) Trichloroethene            | 7.18  | 130  | 8042     | 1.416 ug/l  |         | 86       |
| 49) 1,4-Dioxane                | 7.69  | 88   | 71       | 0.610 ug/l  | #       | 1        |
| 64) Tetrachloroethene          | 9.32  | 164  | 4487     | 0.645 ug/l  |         | 91       |
| 65) Chlorobenzene              | 10.12 | 112  | 16671    | 0.993 ug/l  | #       | 86       |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 204260   | 23.322 ug/l | #       | 34       |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75   | 204260   | 58.767 ug/l | #       | 11       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 184      | 2.644 ug/l  | #       | 63       |
| 94) Hexachlorobutadiene        | 13.77 | 225  | 882      | 0.203 ug/l  |         | 91       |

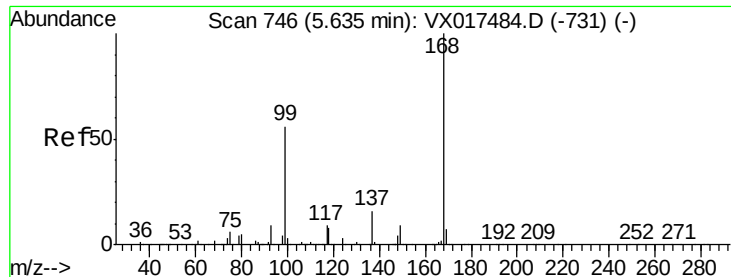
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\  
Data File : VX017591.D  
Acq On : 25 Jul 2020 13:21  
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Sample : L3371-02  
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ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 27 01:13:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 24 05:48:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

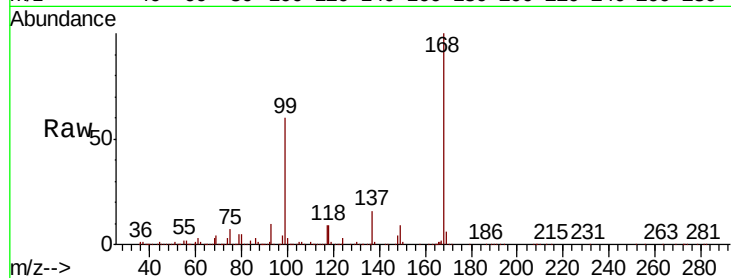
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:168 Resp: 423190

Ion Ratio Lower Upper

168 100

99 59.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

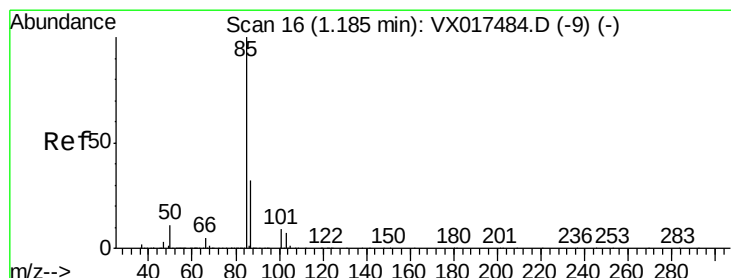
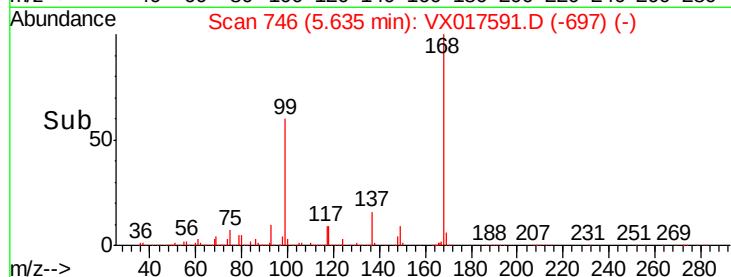
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017591.D

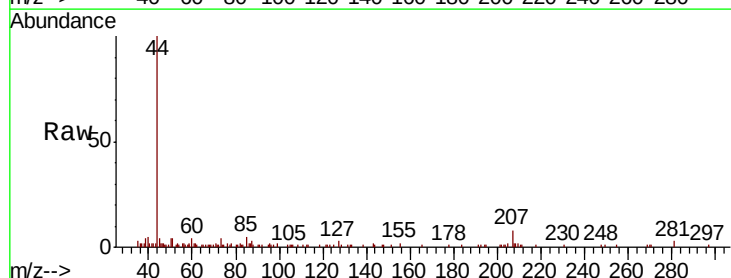
Acq: 25 Jul 2020 13:21

Tgt Ion: 85 Resp: 408

Ion Ratio Lower Upper

85 100

87 89.3 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

500

400

300

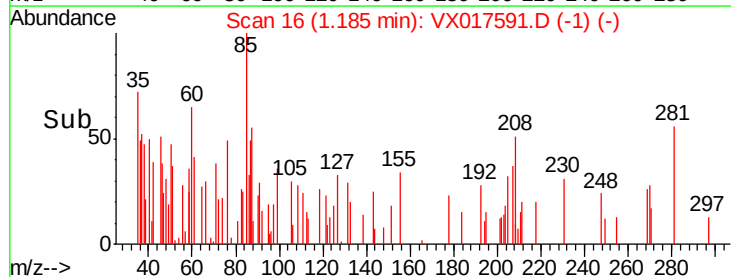
200

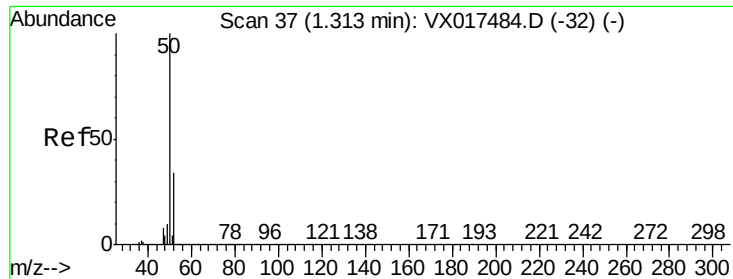
100

0

1.14 1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.592 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

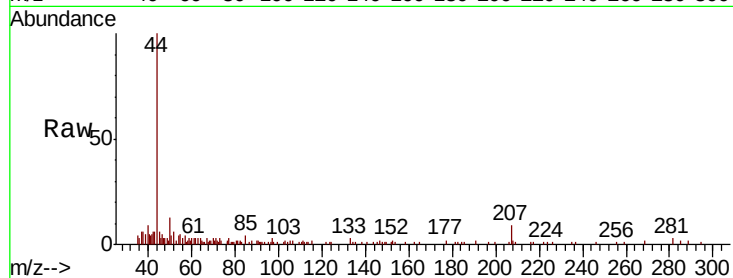
ClientSampleId :

Tot Ion: 50 Resp: 1189

Ion Ratio Lower Upper

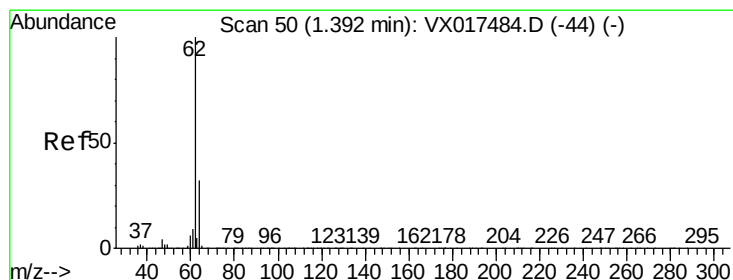
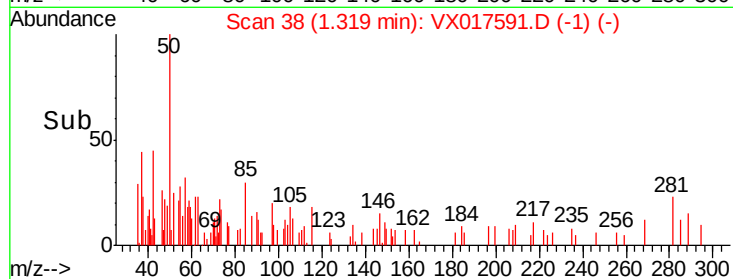
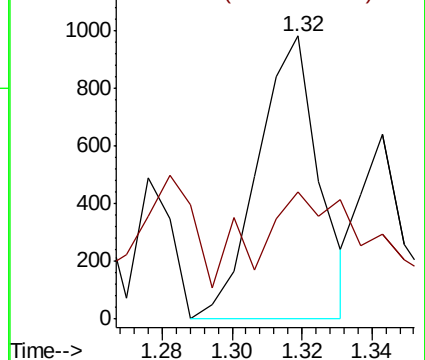
50 100

52 4.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.447 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017591.D

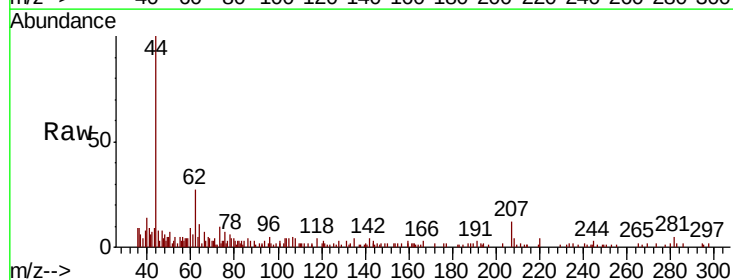
Acq: 25 Jul 2020 13:21

Tgt Ion: 62 Resp: 2378

Ion Ratio Lower Upper

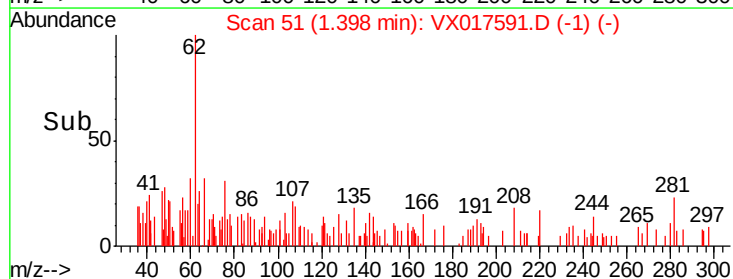
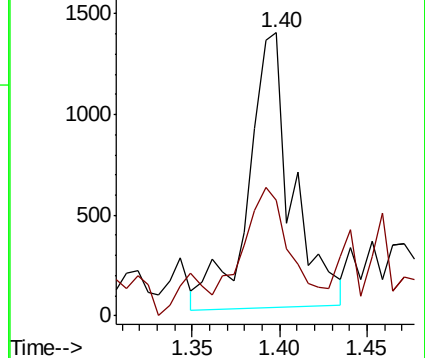
62 100

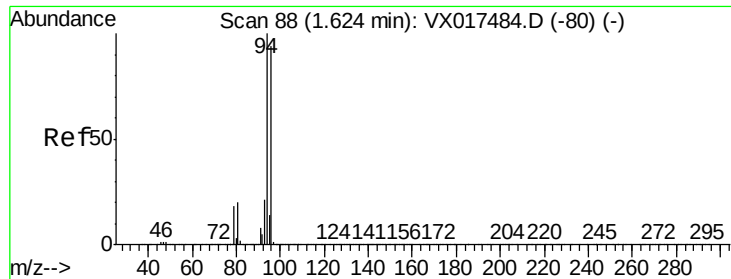
64 32.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

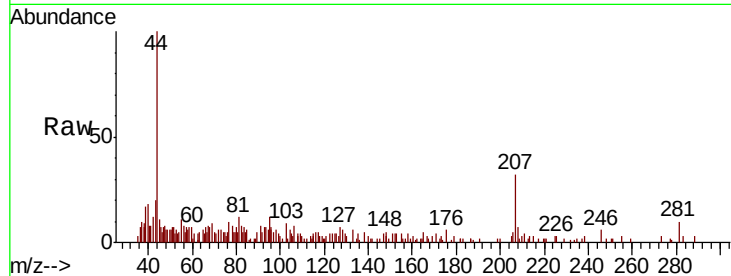
ClientSampled :

Tot Ion: 94 Resp: 219

Ion Ratio Lower Upper

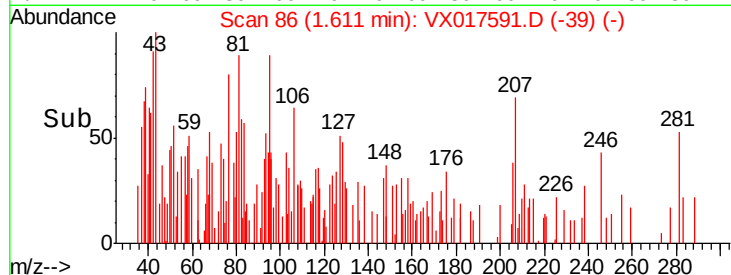
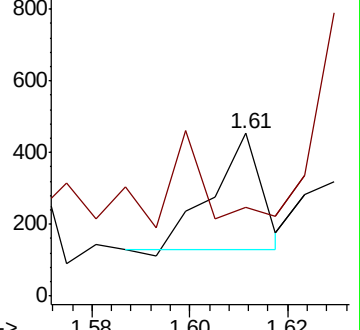
94 100

96 7.5 74.1 111.1#

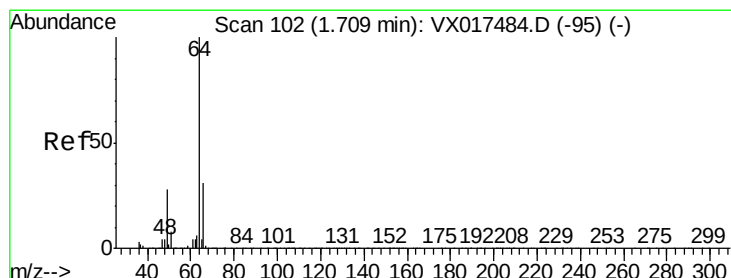


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017591.D

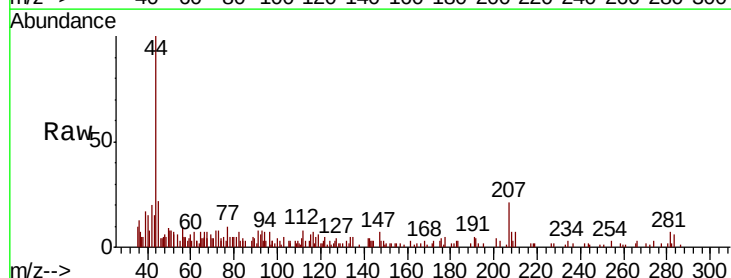
Acq: 25 Jul 2020 13:21

Tgt Ion: 64 Resp: 423

Ion Ratio Lower Upper

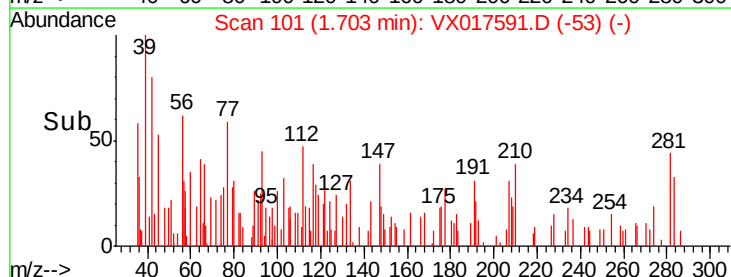
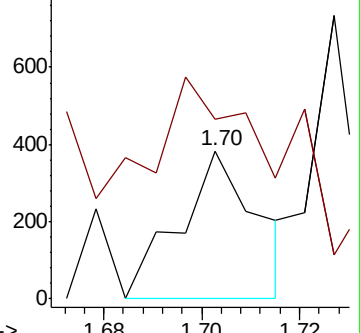
64 100

66 40.1 24.9 37.3#

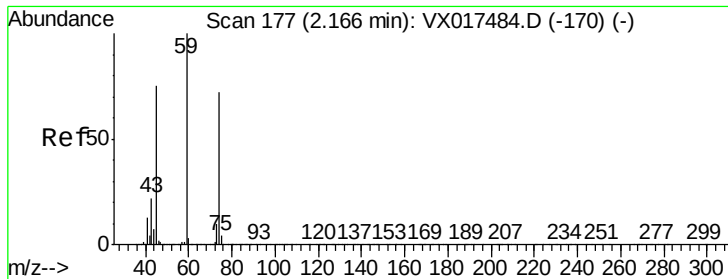


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.27 min Scan# 194

Delta R.T. 0.10 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

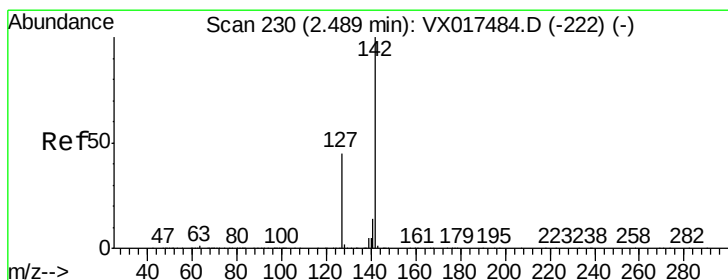
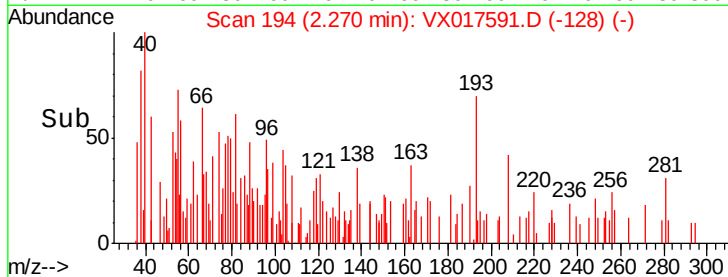
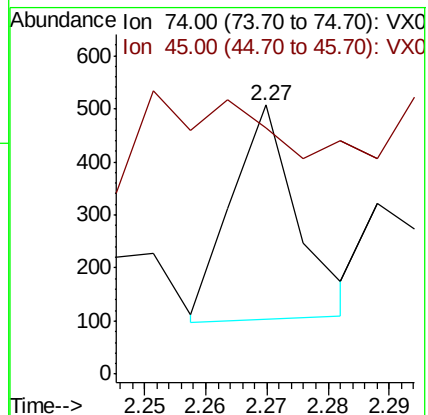
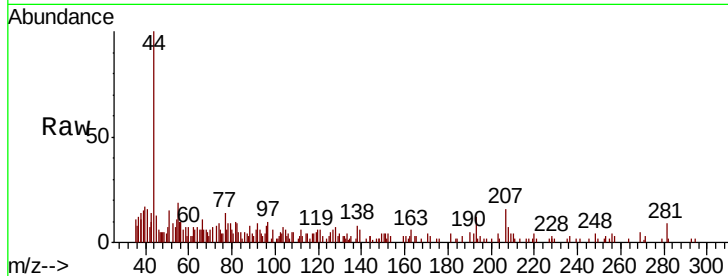
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 74 Resp: 302

Ion Ratio Lower Upper

74 100

45 121.9 50.8 152.5



#10

Methyl Iodide

Concen: 0.205 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

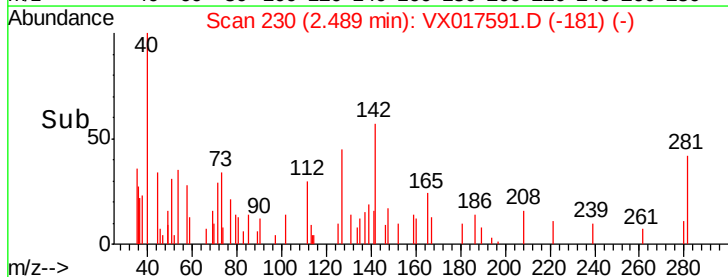
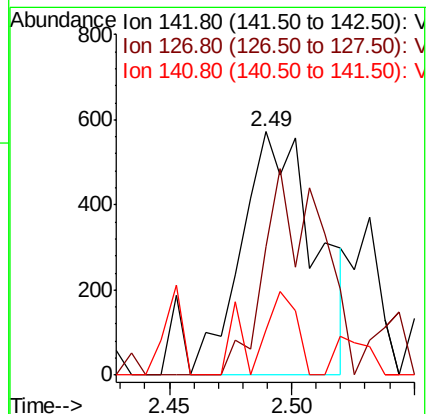
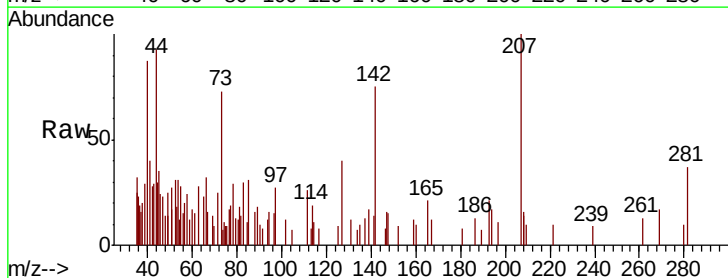
Tgt Ion: 142 Resp: 1208

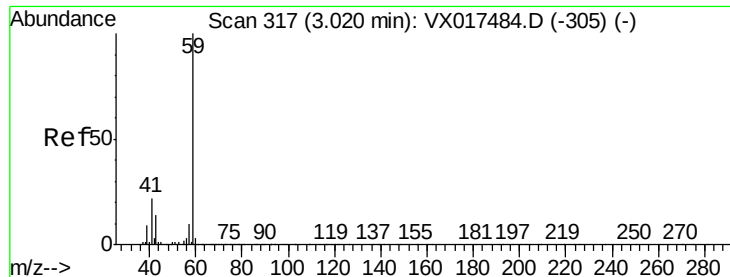
Ion Ratio Lower Upper

142 100

127 65.4 35.9 53.9#

141 13.7 11.4 17.0



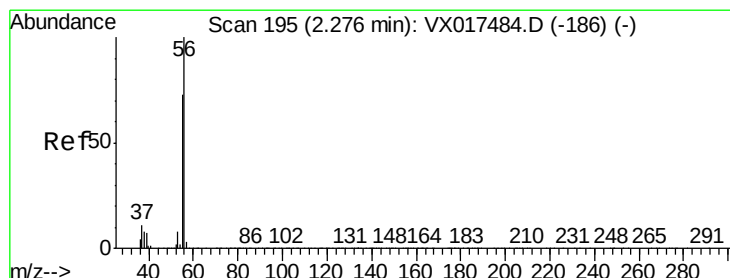
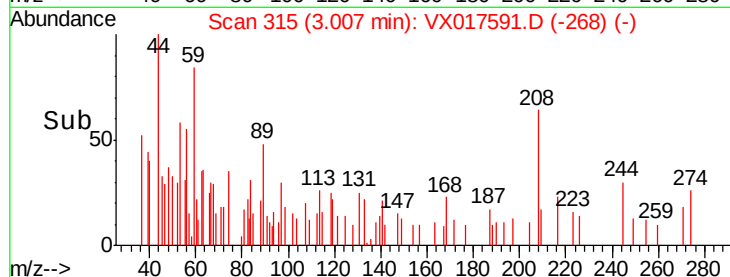
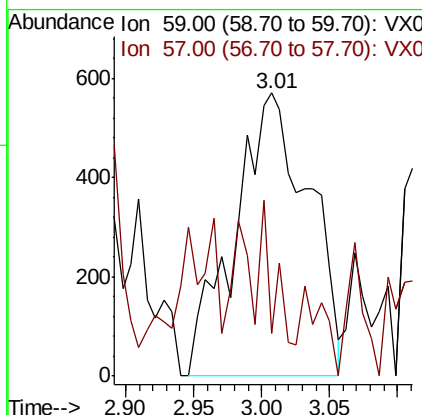
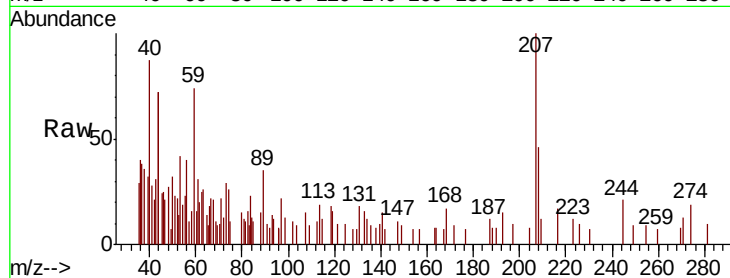


#11

Tert butyl alcohol  
Concen: 1.894 ug/l  
RT: 3.01 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

Instrument :  
MSVOA\_X  
ClientSampled :

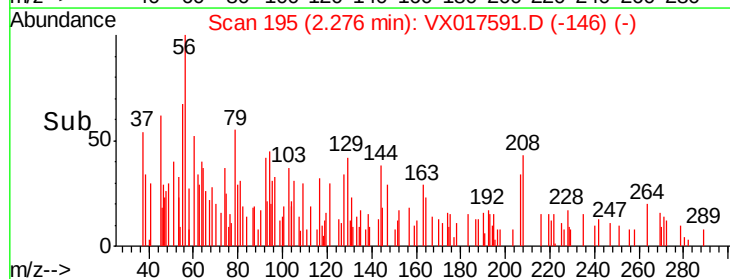
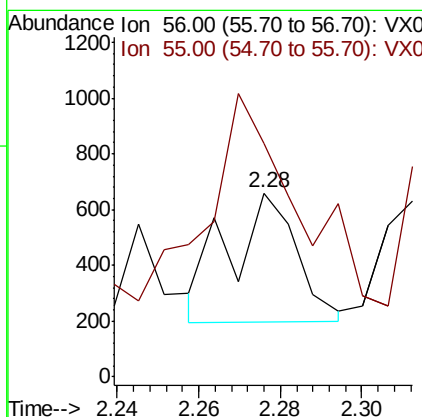
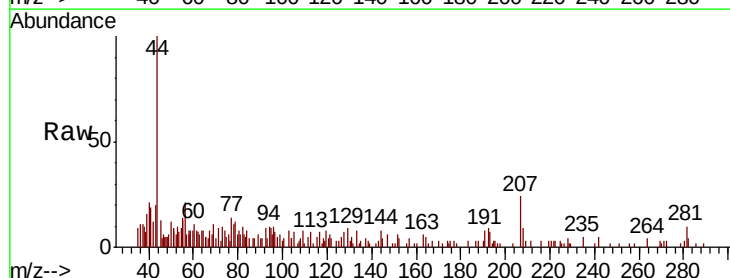
Tot Ion: 59 Resp: 2170  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

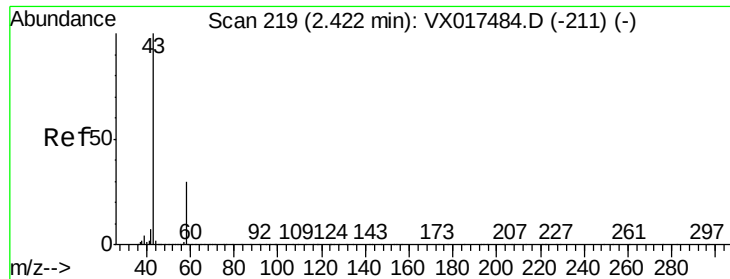


#13

Acrolein  
Concen: 4.755 ug/l  
RT: 2.28 min Scan# 195  
Delta R.T. -0.00 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

Tgt Ion: 56 Resp: 539  
Ion Ratio Lower Upper  
56 100  
55 249.0 57.4 86.2#

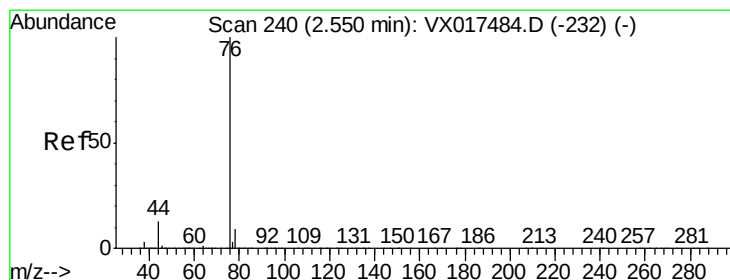
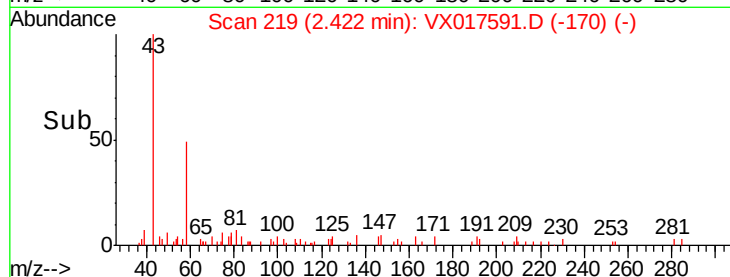
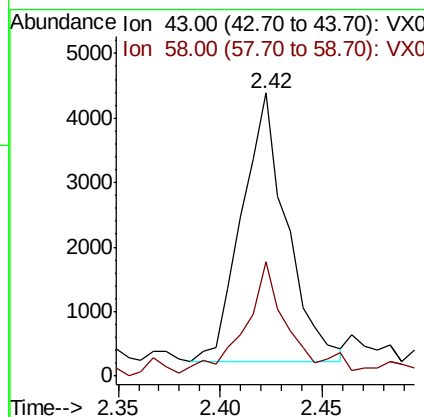
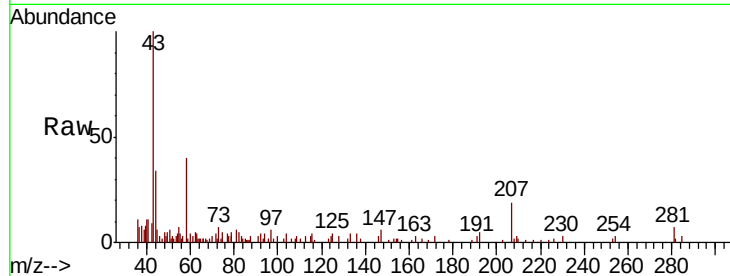




#16  
Acetone  
Concen: 2.692 ug/l  
RT: 2.42 min Scan# 219  
Delta R.T. -0.00 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

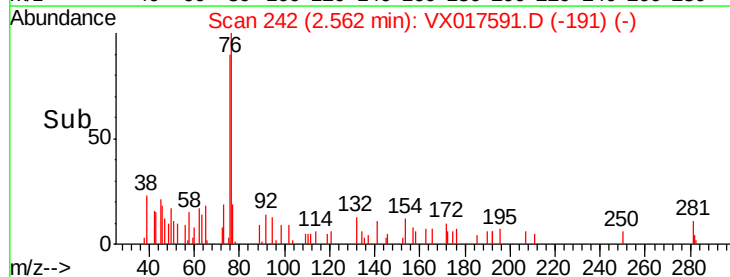
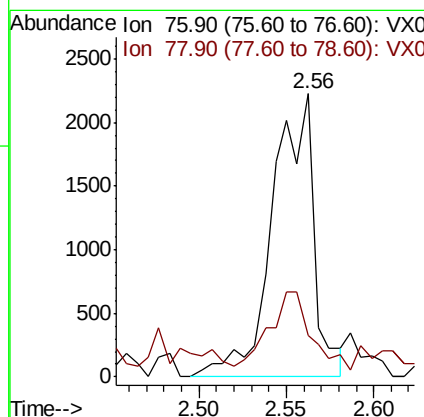
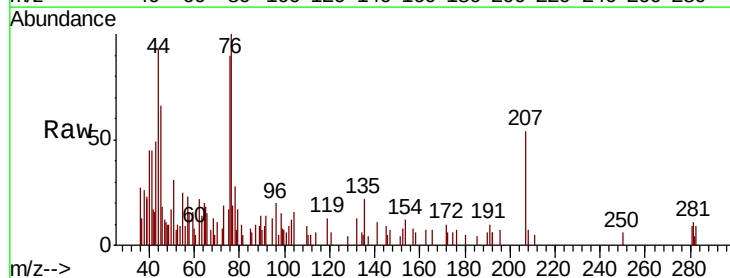
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 6442  
Ion Ratio Lower Upper  
43 100  
58 36.5 24.2 36.4#

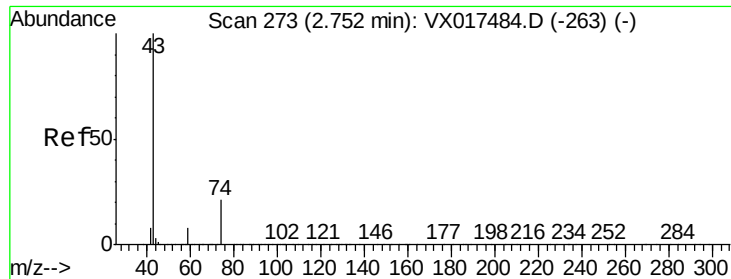


#17  
Carbon Disulfide  
Concen: 0.279 ug/l  
RT: 2.56 min Scan# 242  
Delta R.T. 0.01 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

Tgt Ion: 76 Resp: 3713  
Ion Ratio Lower Upper  
76 100  
78 10.6 7.5 11.3



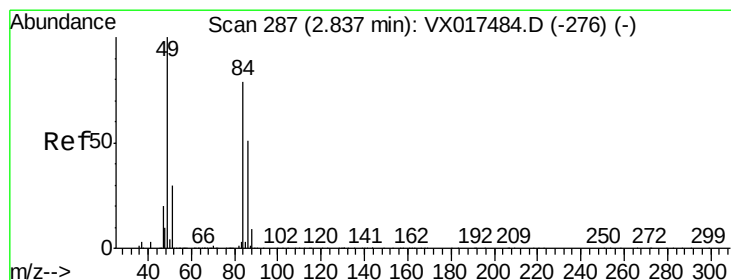
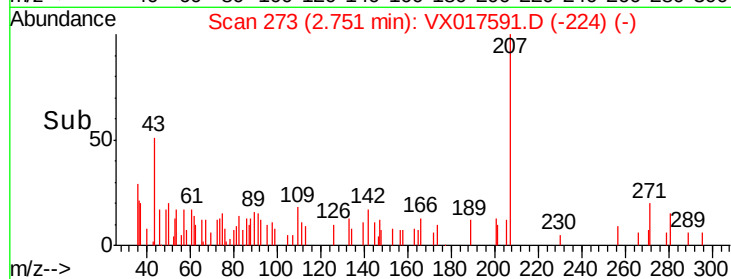
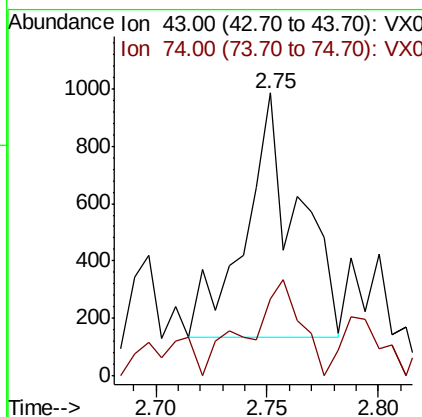
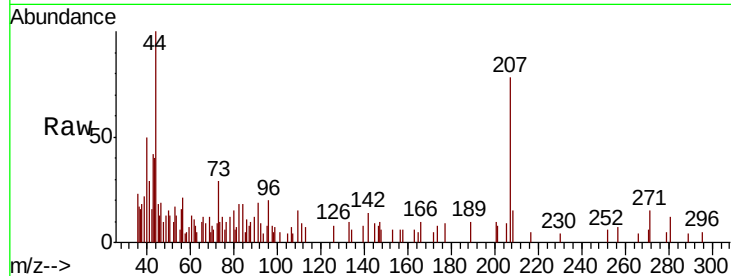




#18  
Methyl Acetate  
Concen: 0.246 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. -0.00 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

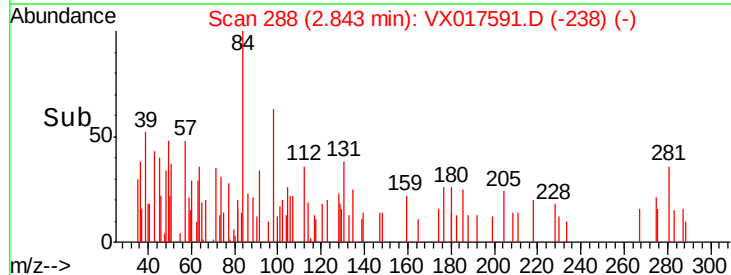
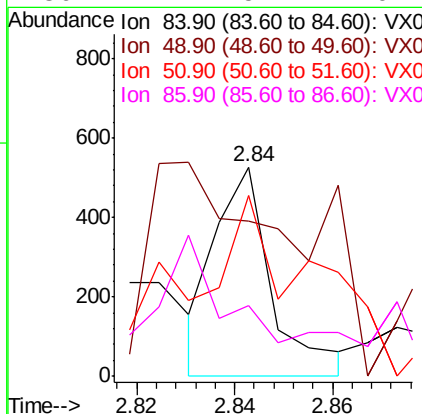
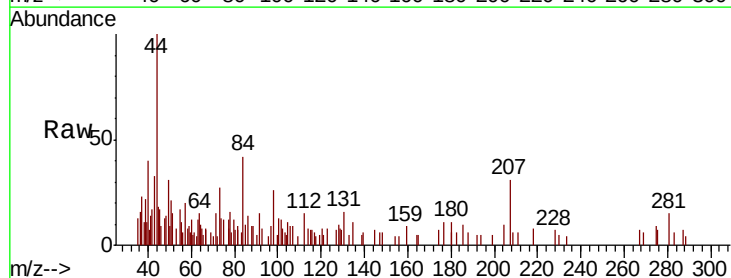
Instrument :  
MSVOA\_X  
ClientSampled :

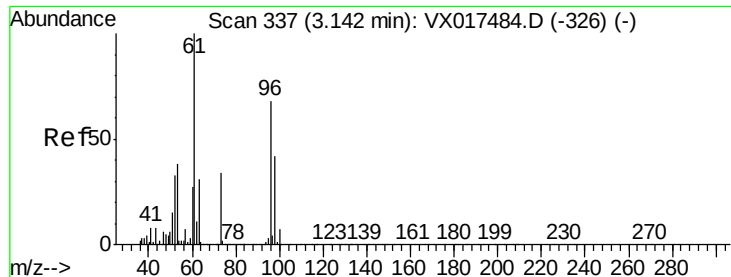
Tot Ion: 43 Resp: 1388  
Ion Ratio Lower Upper  
43 100  
74 39.0 17.5 26.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.84 min Scan# 288  
Delta R.T. 0.01 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

Tgt Ion: 84 Resp: 427  
Ion Ratio Lower Upper  
84 100  
49 0.0 100.3 150.5#  
51 56.7 30.5 45.7#  
86 14.2 51.1 76.7#





#21

trans-1,2-Dichloroethene

Concen: 1.478 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

ClientSampleId :

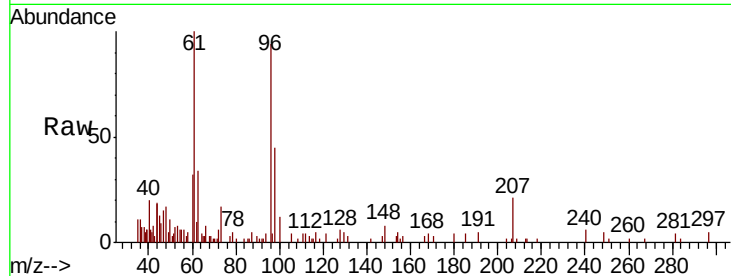
Tot Ion: 96 Resp: 6920

Ion Ratio Lower Upper

96 100

61 103.5 113.0 169.4#

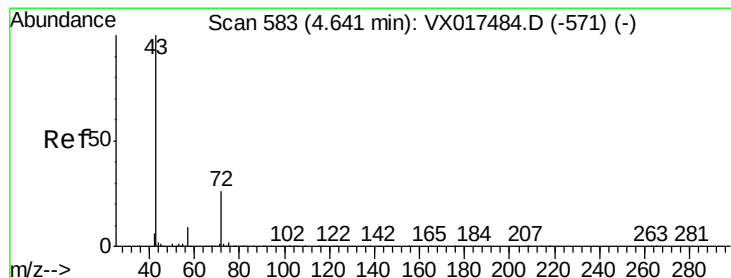
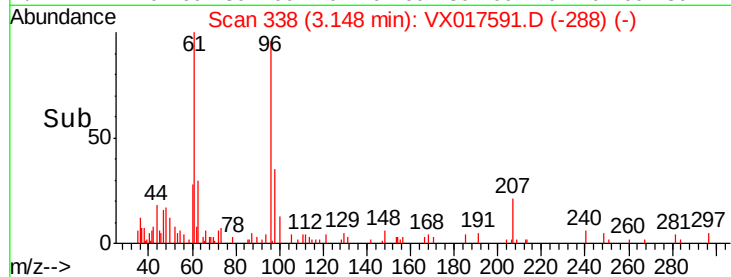
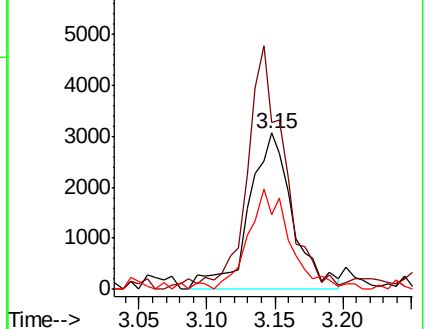
98 45.8 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.238 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017591.D

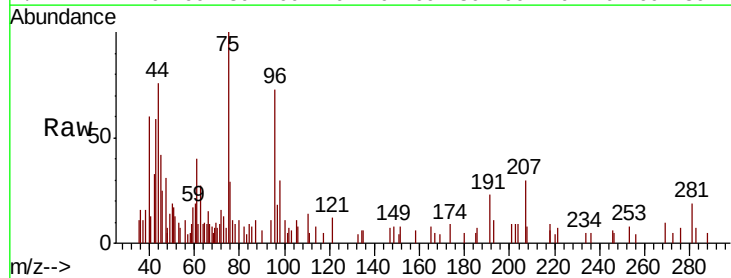
Acq: 25 Jul 2020 13:21

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

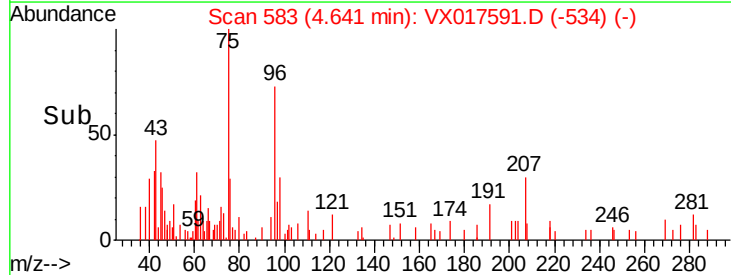
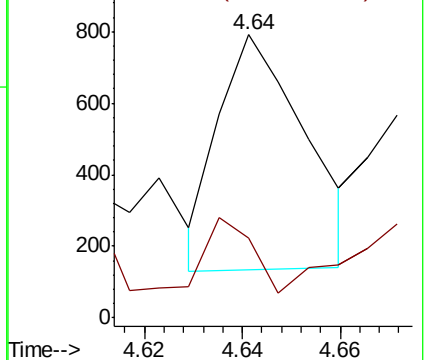
43 100

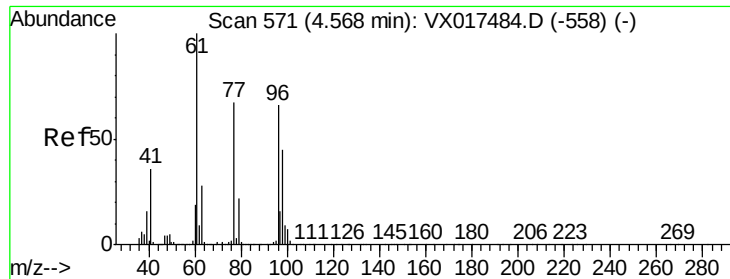
72 25.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

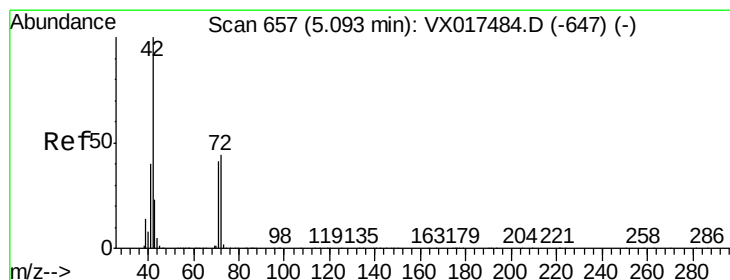
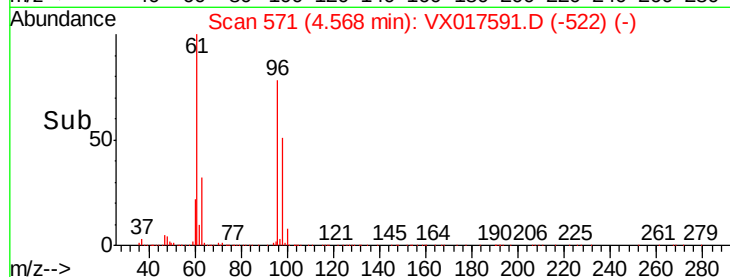
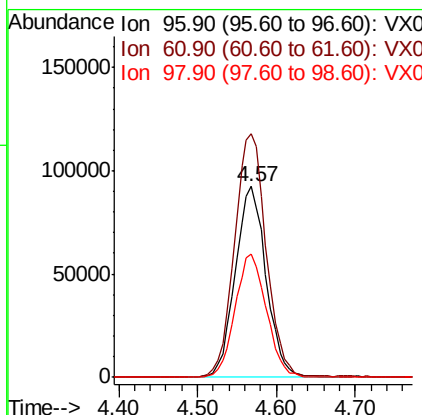
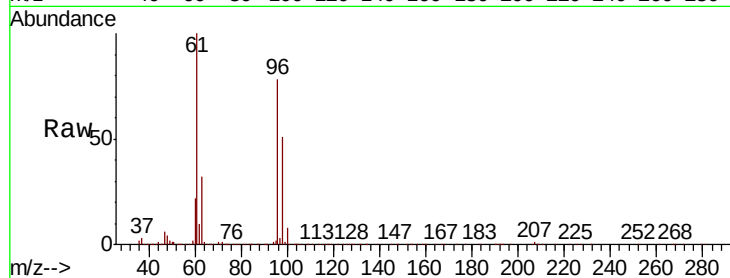




#27  
 cis-1,2-Dichloroethene  
 Concen: 49.343 ug/l  
 RT: 4.57 min Scan# 571  
 Delta R.T. -0.00 min  
 Lab File: VX017591.D  
 Acq: 25 Jul 2020 13:21

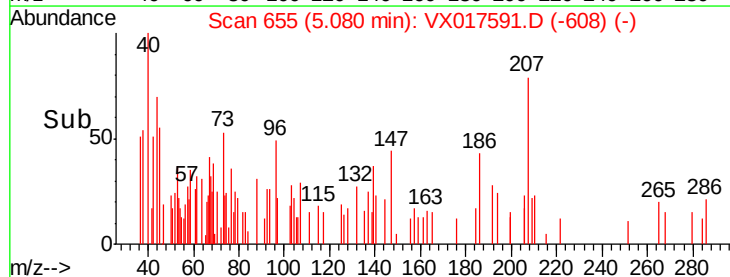
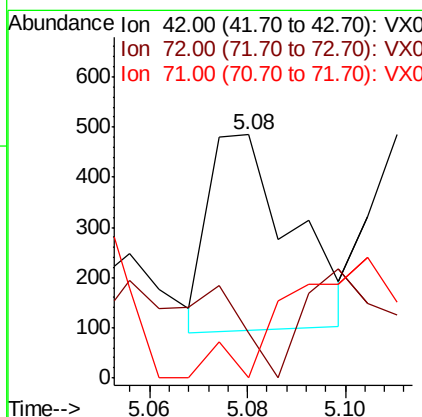
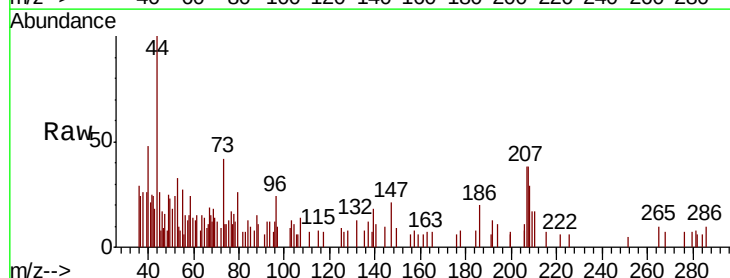
Instrument :  
 MSVOA\_X  
 ClientSampleId :

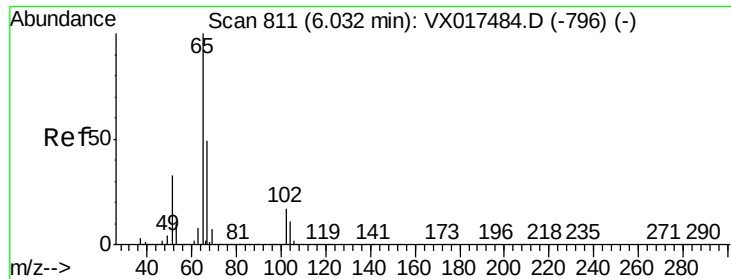
| Tot Ion | 96    | Resp  | 250963 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 96      | 100   |       |        |
| 61      | 130.1 | 0.0   | 301.2  |
| 98      | 65.6  | 0.0   | 130.0  |



#29  
 Tetrahydrofuran  
 Concen: 0.220 ug/l  
 RT: 5.08 min Scan# 655  
 Delta R.T. -0.01 min  
 Lab File: VX017591.D  
 Acq: 25 Jul 2020 13:21

| Tgt Ion | 42    | Resp  | 464   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 42      | 100   |       |       |
| 72      | 0.0   | 35.5  | 53.3# |
| 71      | 0.0   | 33.0  | 49.4# |

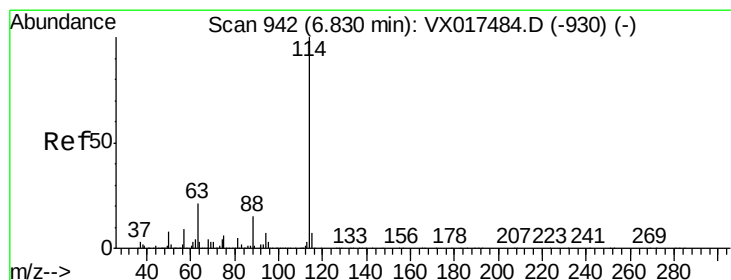
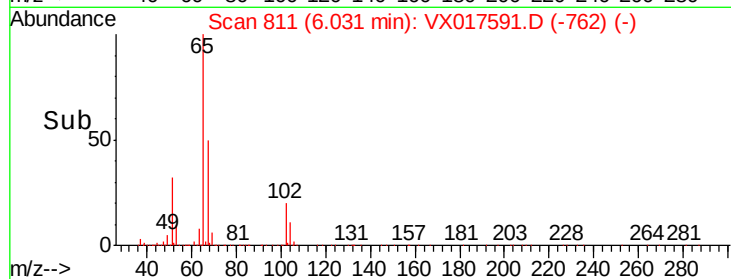
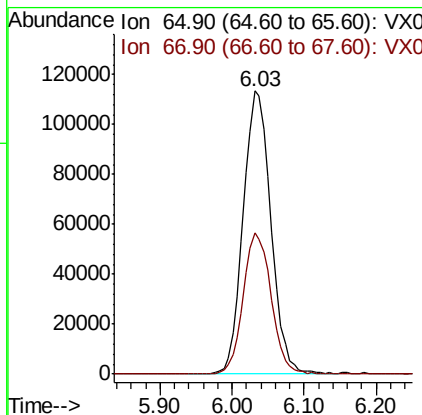
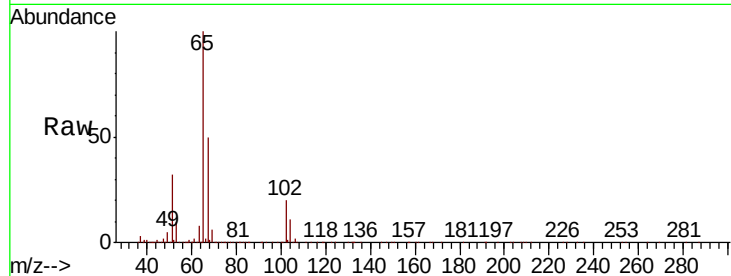




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.973 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX017591.D  
 Acq: 25 Jul 2020 13:21

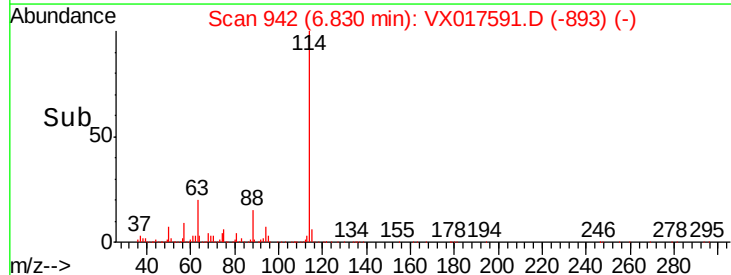
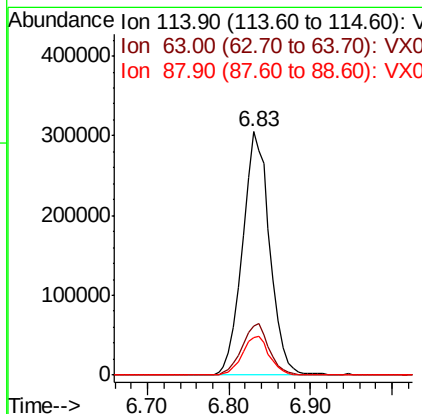
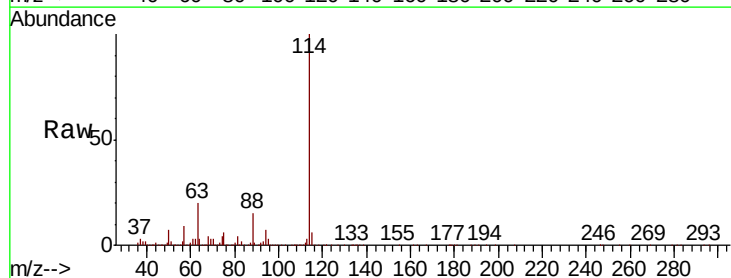
Instrument :  
 MSVOA\_X  
 ClientSampleId :

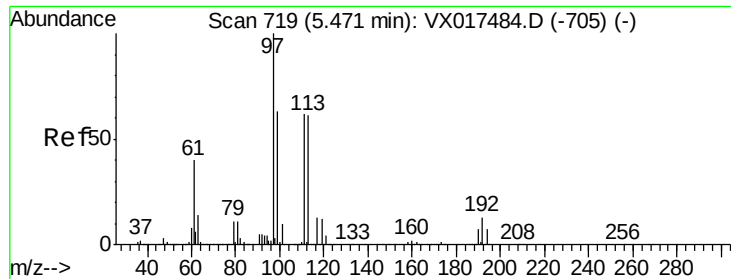
Tot Ion: 65 Resp: 304270  
 Ion Ratio Lower Upper  
 65 100  
 67 50.3 0.0 102.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX017591.D  
 Acq: 25 Jul 2020 13:21

Tgt Ion: 114 Resp: 706870  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.6  
 88 15.3 0.0 33.4

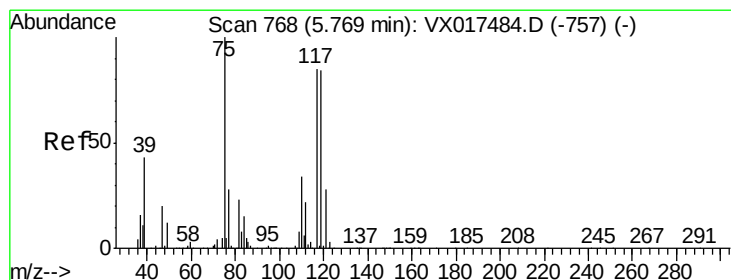
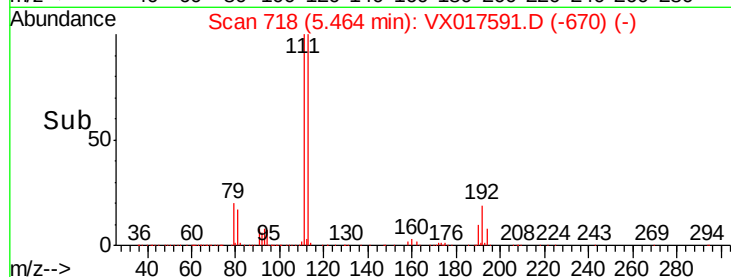
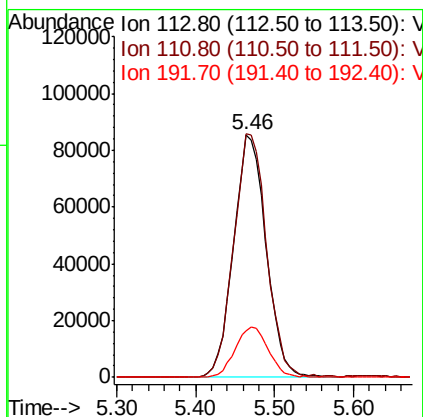
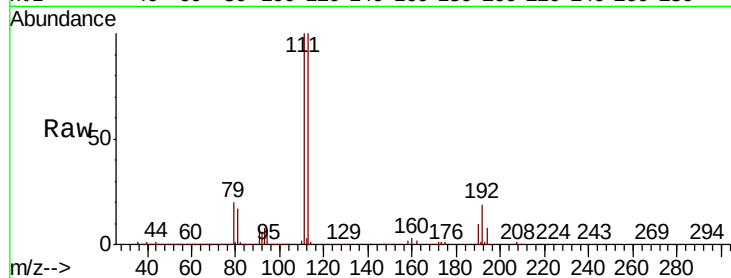




#35  
Dibromofluoromethane  
Concen: 51.825 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. -0.01 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

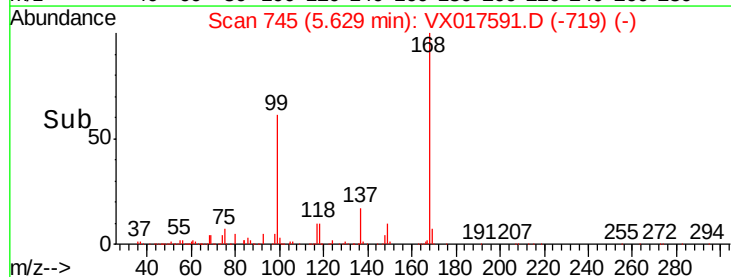
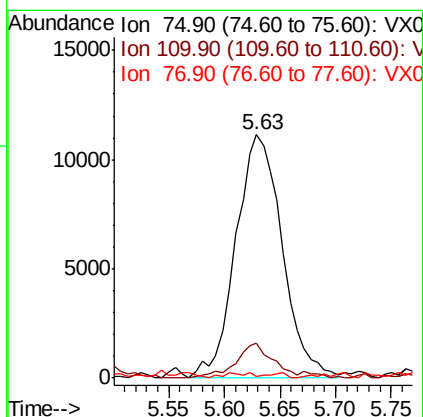
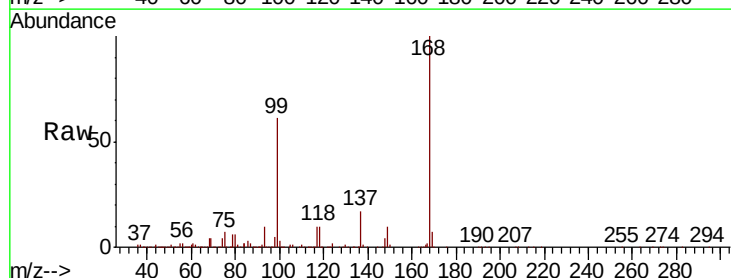
Instrument :  
MSVOA\_X  
ClientSampleId :

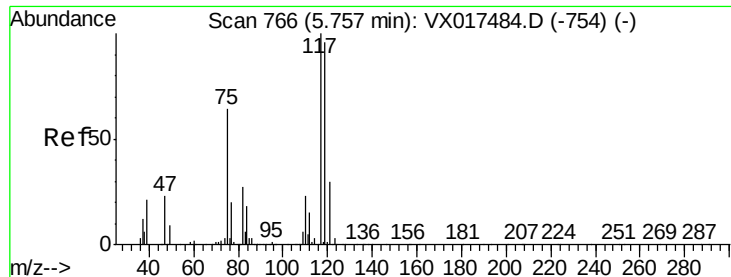
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 80.7  | 121.1 |
| 192     | 21.2  | 16.9  | 25.3  |



#36  
1,1-Dichloropropene  
Concen: 4.781 ug/l  
RT: 5.63 min Scan# 745  
Delta R.T. -0.14 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 11.3  | 18.1  | 54.3# |
| 77      | 0.0   | 24.6  | 37.0# |





#38

Carbon Tetrachloride

Concen: 5.477 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

ClientSampleId :

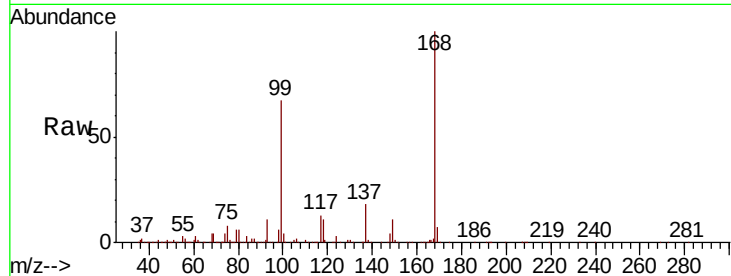
Tot Ion:117 Resp: 45093

Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.0#

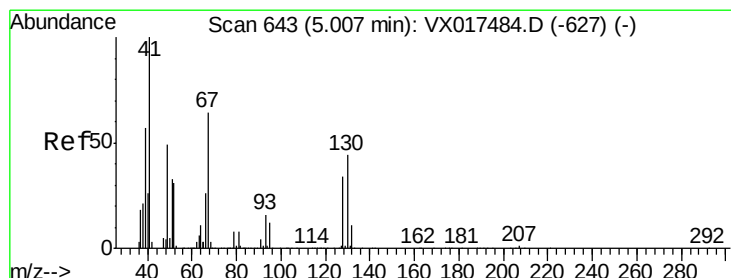
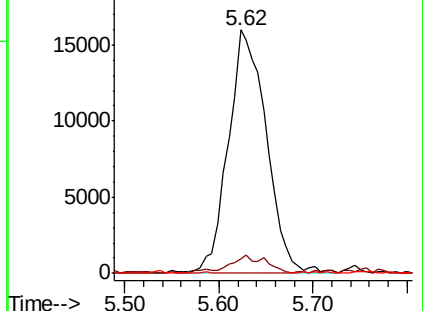
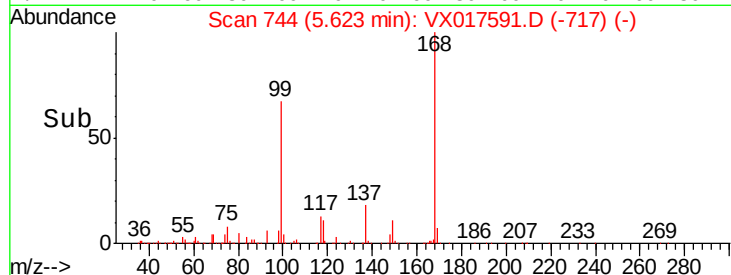
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.280 ug/l

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Tgt Ion: 41 Resp: 1189

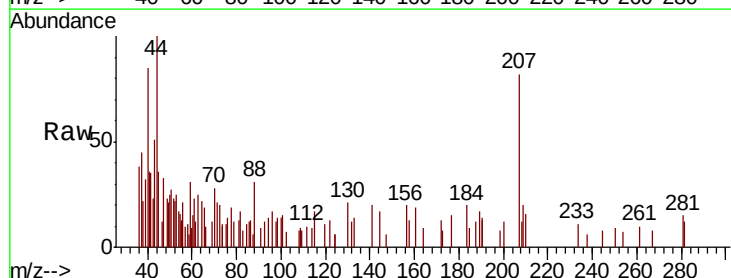
Ion Ratio Lower Upper

41 100

39 31.5 43.9 65.9#

67 0.0 54.0 81.0#

52 54.2 23.0 34.6#

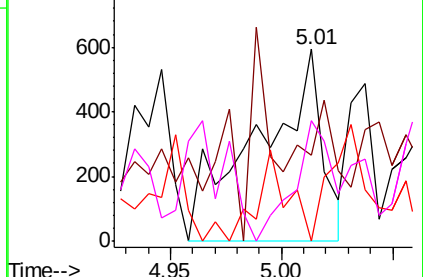
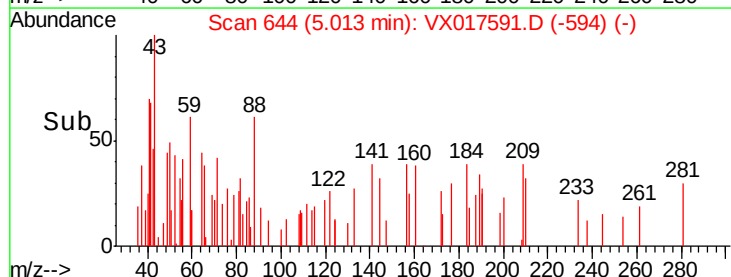


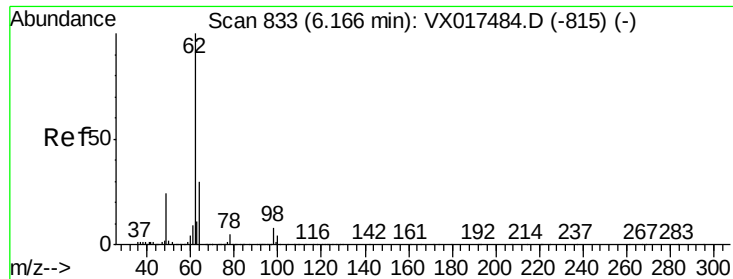
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

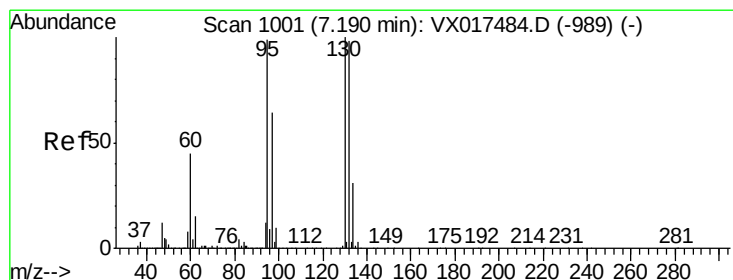
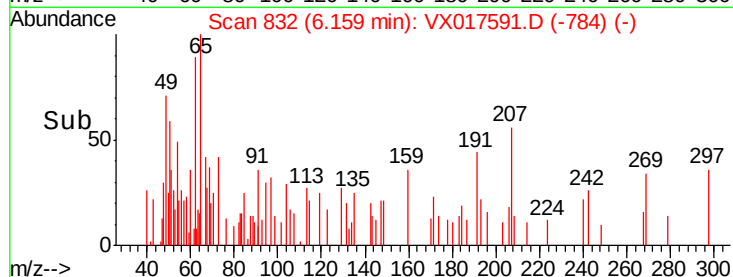
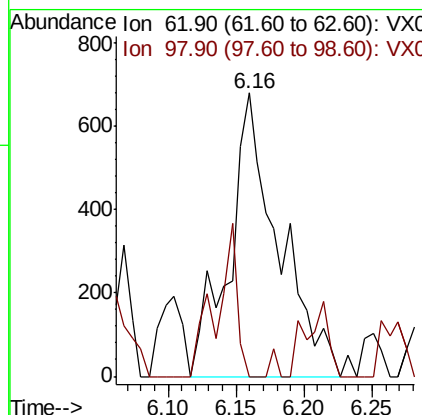
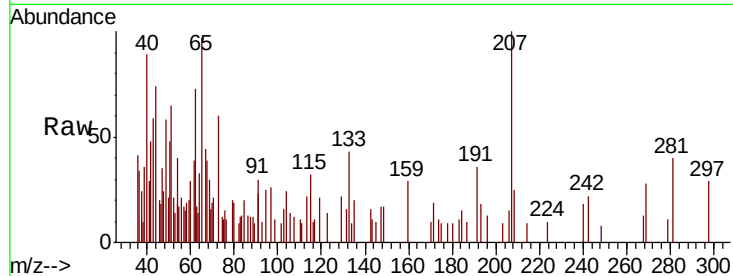




#42  
 1,2-Dichloroethane  
 Concen: 0.215 ug/l  
 RT: 6.16 min Scan# 832  
 Delta R.T. -0.01 min  
 Lab File: VX017591.D  
 Acq: 25 Jul 2020 13:21

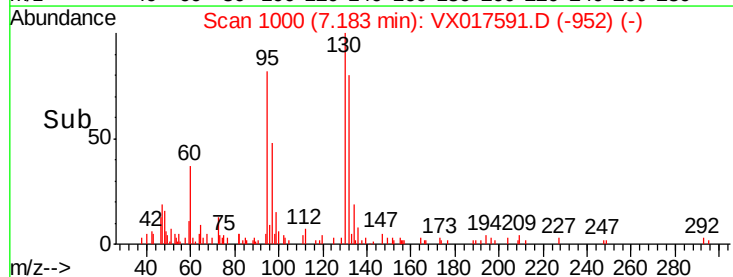
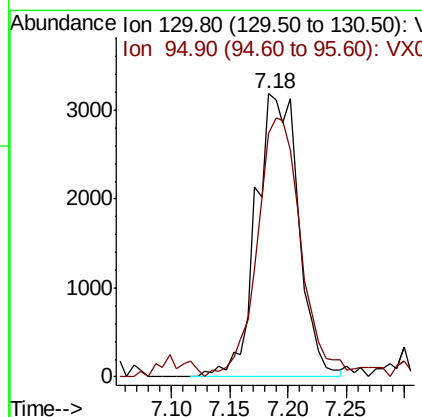
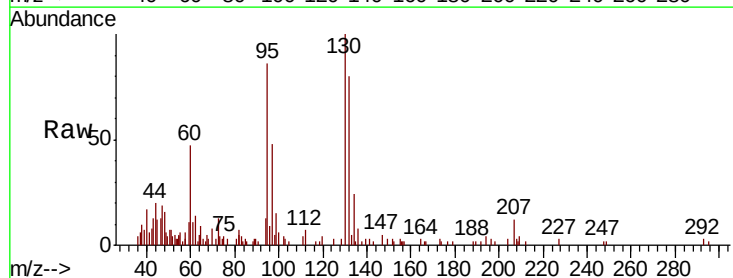
Instrument :  
 MSVOA\_X  
 ClientSampled :

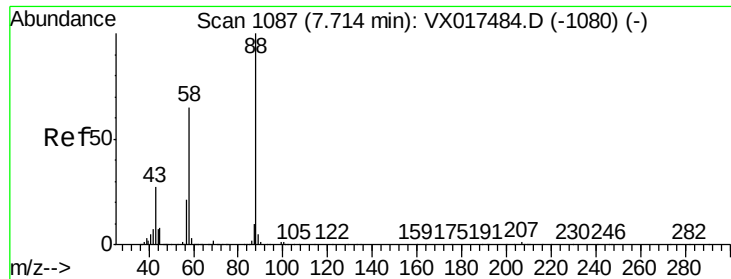
Tot Ion: 62 Resp: 1712  
 Ion Ratio Lower Upper  
 62 100  
 98 22.5 0.0 16.0#



#44  
 Trichloroethene  
 Concen: 1.416 ug/l  
 RT: 7.18 min Scan# 1000  
 Delta R.T. -0.01 min  
 Lab File: VX017591.D  
 Acq: 25 Jul 2020 13:21

Tgt Ion:130 Resp: 8042  
 Ion Ratio Lower Upper  
 130 100  
 95 80.8 0.0 189.0

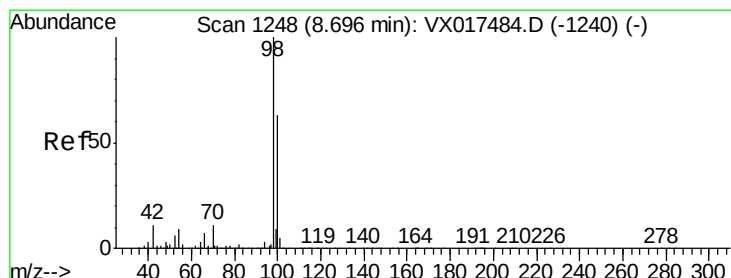
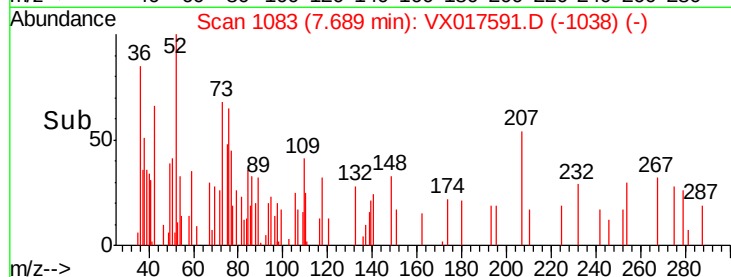
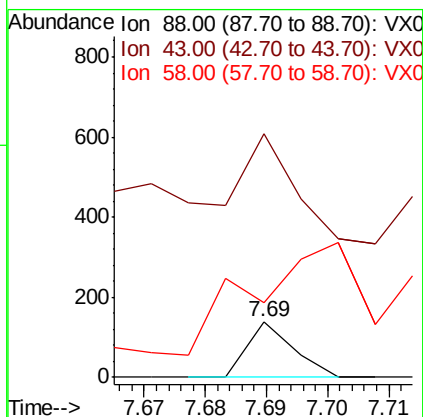
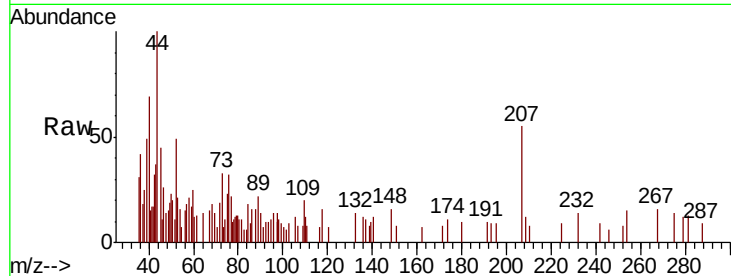




#49  
1,4-Dioxane  
Concen: 0.610 ug/l  
RT: 7.69 min Scan# 1083  
Delta R.T. -0.02 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

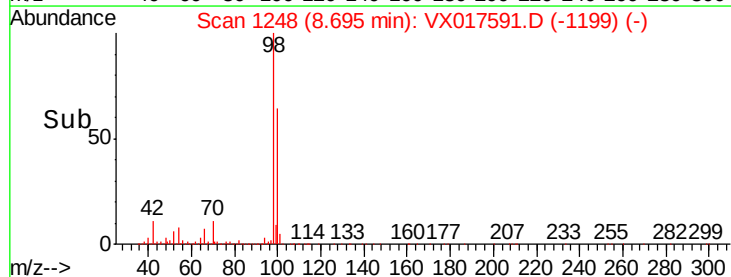
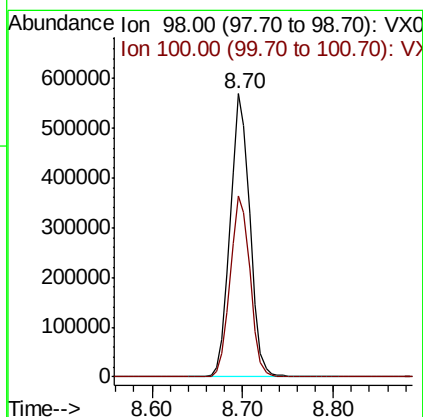
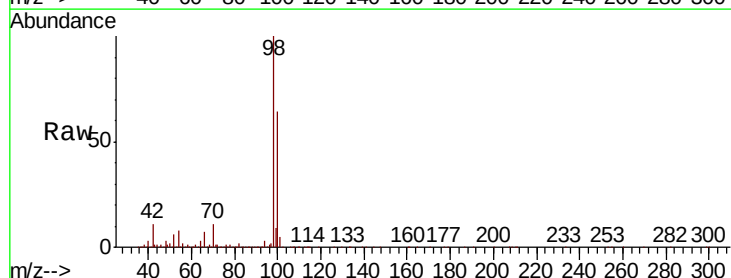
Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | 88    | Resp  | 71    |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 302.8 | 27.8  | 41.6# |
| 58      | 540.8 | 58.3  | 87.5# |

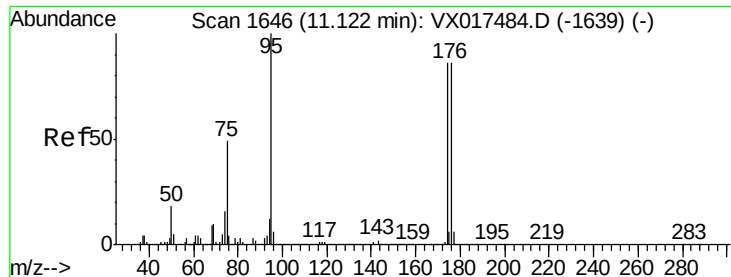


#50  
Toluene-d8  
Concen: 50.176 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

| Tgt Ion | 98    | Resp  | 855741 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.4  | 52.3  | 78.5   |



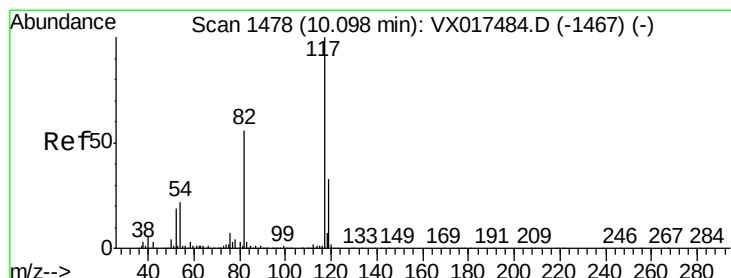
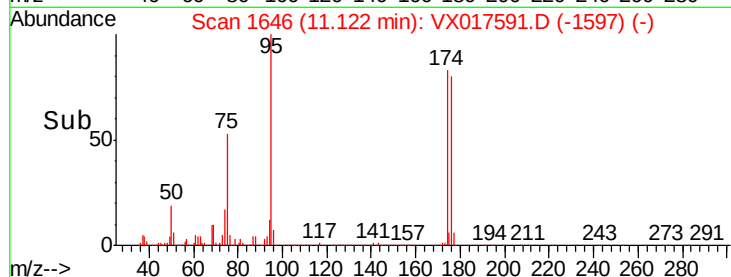
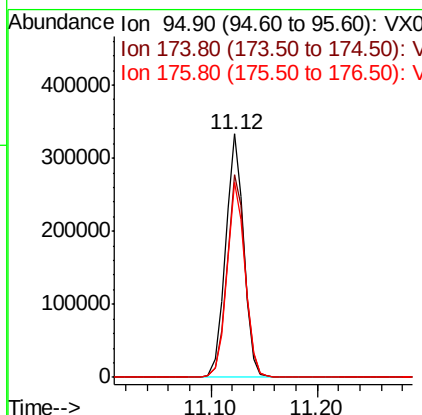
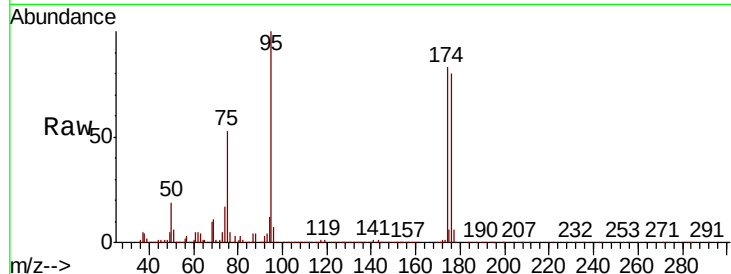




#62  
4-Bromofluorobenzene  
Concen: 58.083 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

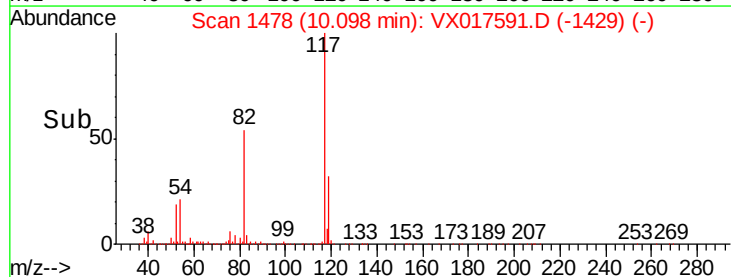
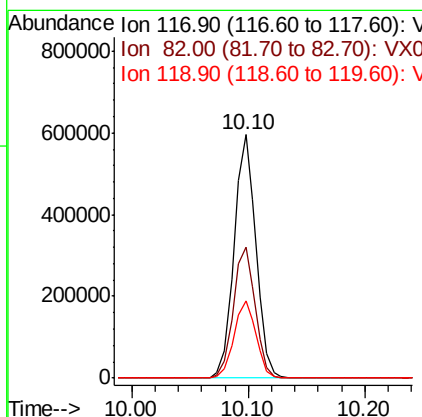
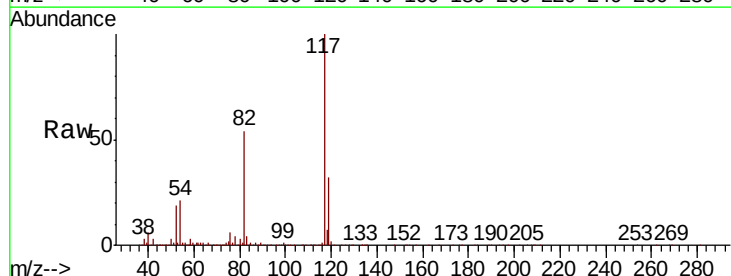
Instrument :  
MSVOA\_X  
ClientSampleId :

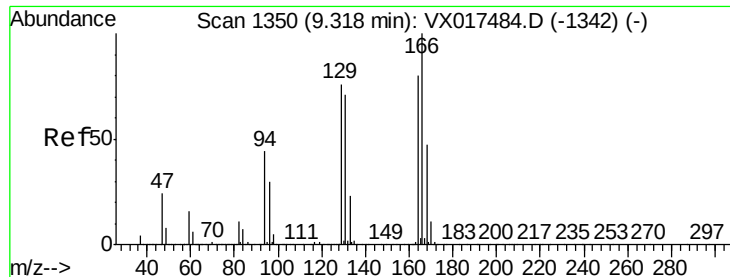
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 84.2  | 0.0   | 169.0 |
| 176     | 80.6  | 0.0   | 161.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017591.D  
Acq: 25 Jul 2020 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 44.0  | 66.0  |
| 119     | 31.7  | 25.4  | 38.0  |





#64

Tetrachloroethene

Concen: 0.645 ug/l

RT: 9.32 min Scan# 1350

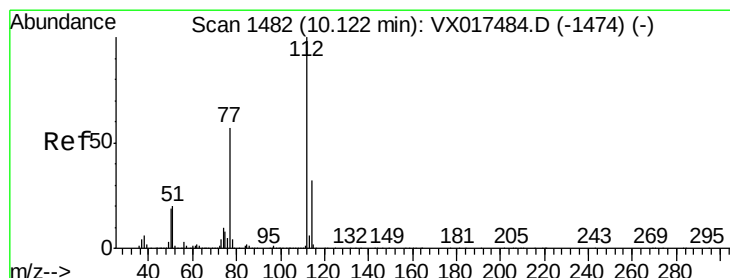
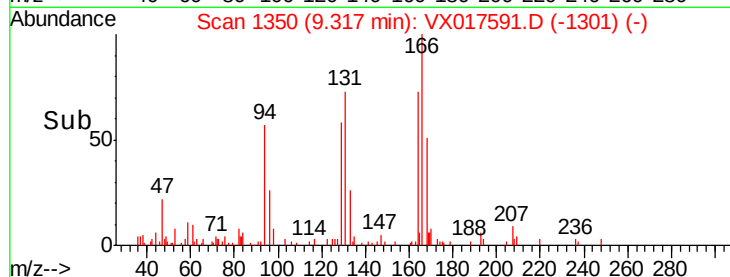
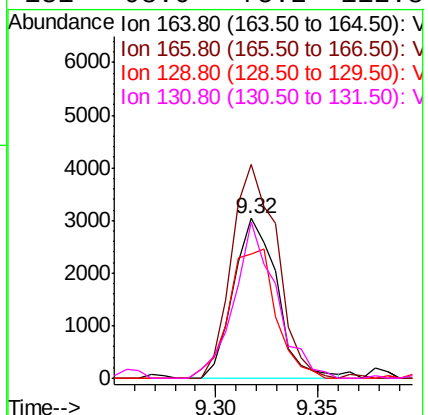
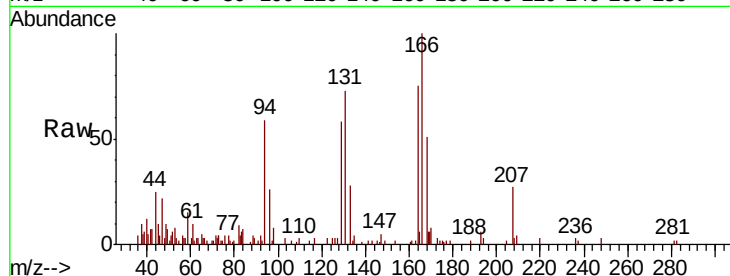
Delta R.T. -0.00 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :  
MSVOA\_X  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:164 | Resp: | 4487        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 133.7 | 100.6 150.8 |
| 129         | 77.5  | 75.0 112.6  |
| 131         | 98.0  | 75.2 112.8  |



#65

Chlorobenzene

Concen: 0.993 ug/l

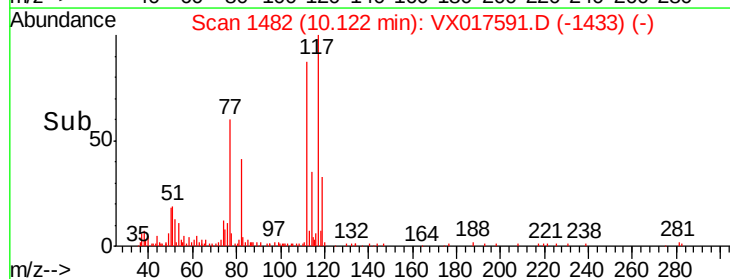
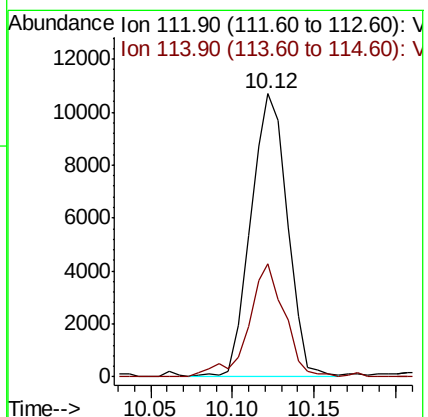
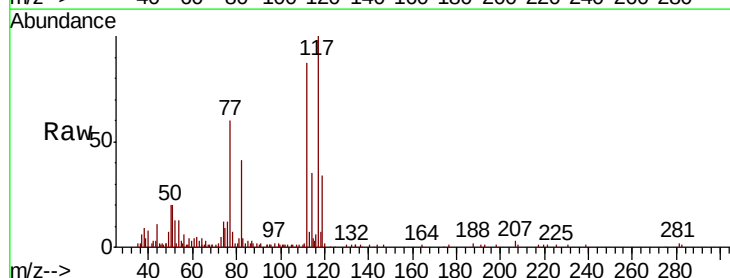
RT: 10.12 min Scan# 1482

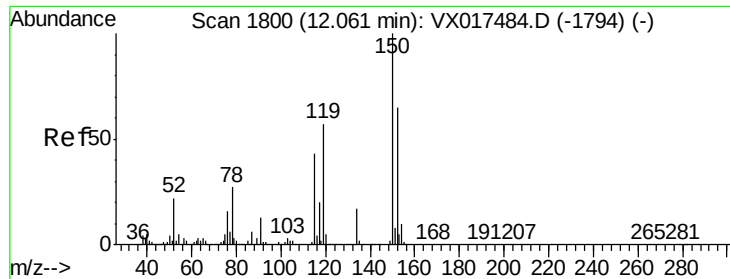
Delta R.T. -0.00 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 16671       |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 39.9  | 25.7 38.5#  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

ClientSampleId :

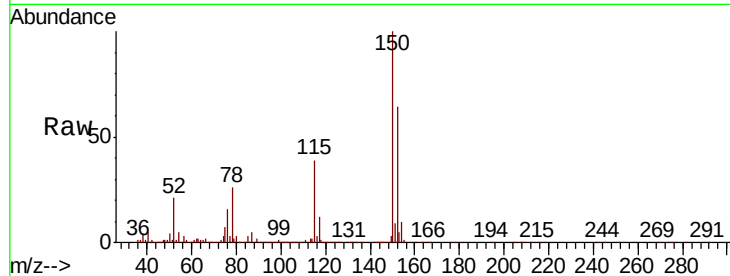
Tot Ion:152 Resp: 425765

Ion Ratio Lower Upper

152 100

115 58.5 65.5 196.6#

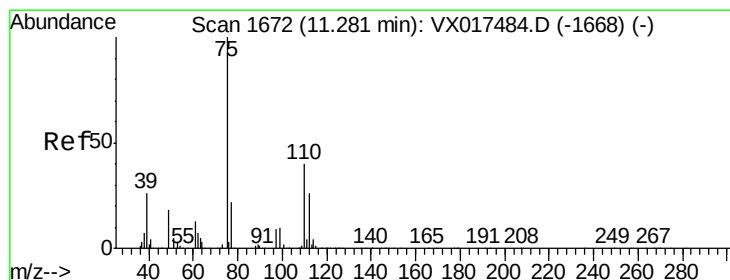
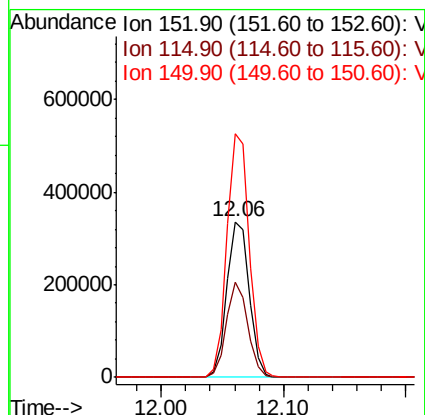
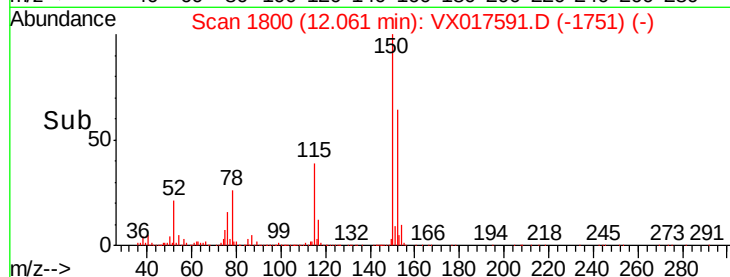
150 155.3 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.322 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017591.D

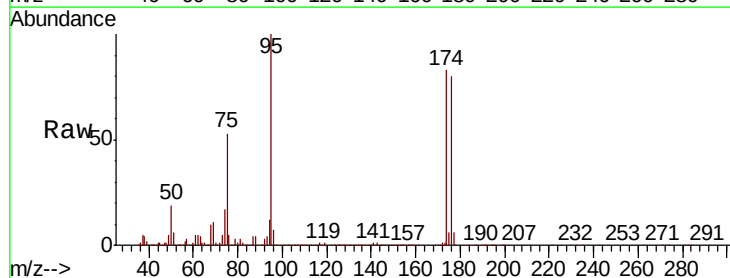
Acq: 25 Jul 2020 13:21

Tgt Ion: 75 Resp: 204260

Ion Ratio Lower Upper

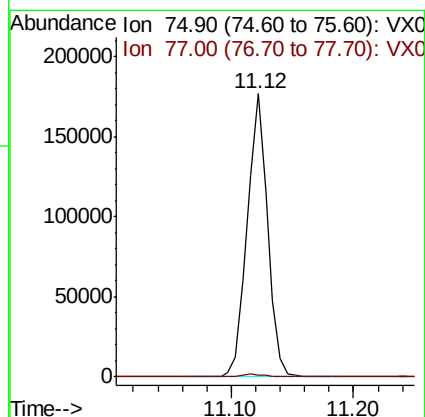
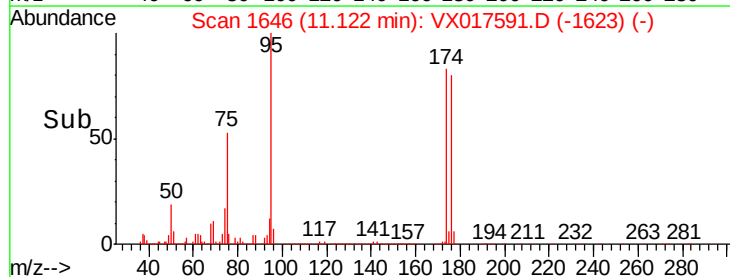
75 100

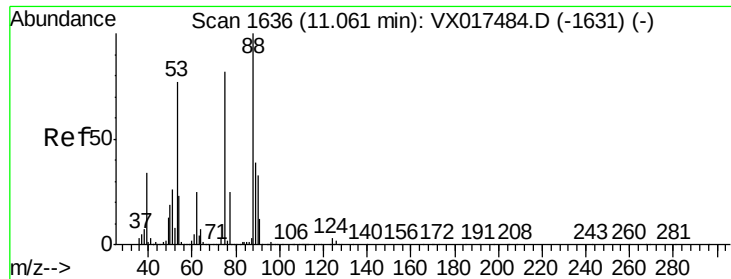
77 1.2 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.767 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

ClientSampleId :

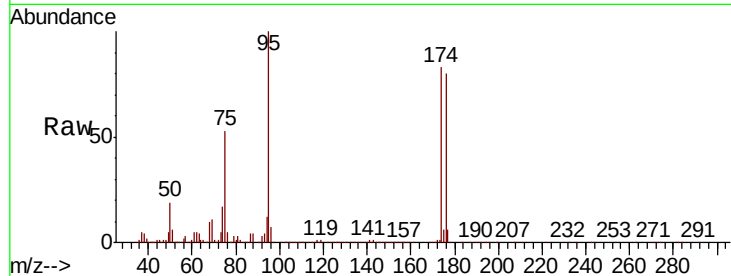
Tot Ion: 75 Resp: 204260

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

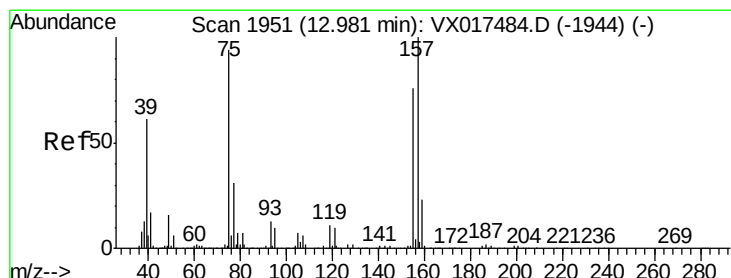
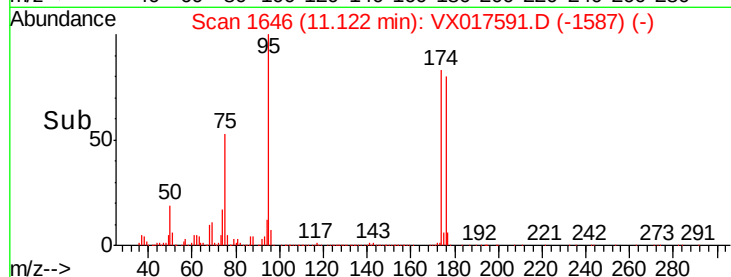
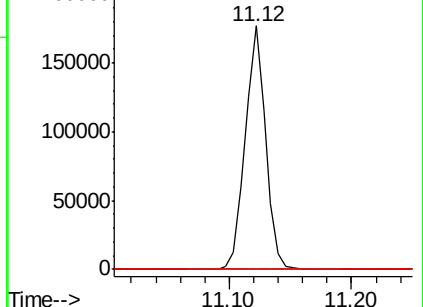
89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.644 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

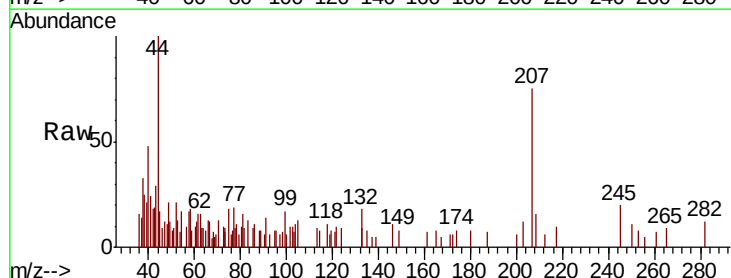
Tgt Ion: 75 Resp: 184

Ion Ratio Lower Upper

75 100

155 89.7 42.3 126.8

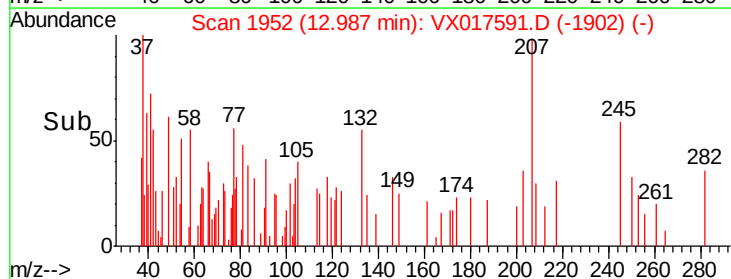
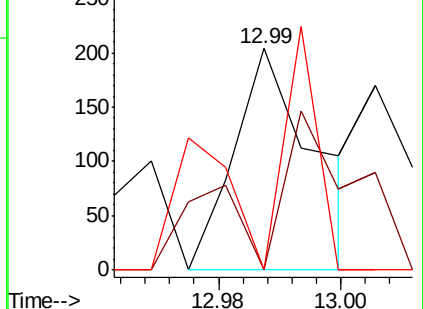
157 44.6 54.3 162.9#

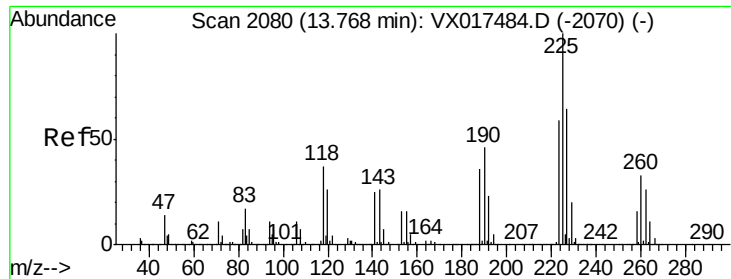


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#94

Hexachlorobutadiene

Concen: 0.203 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX017591.D

Acq: 25 Jul 2020 13:21

Instrument :

MSVOA\_X

ClientSampleId :

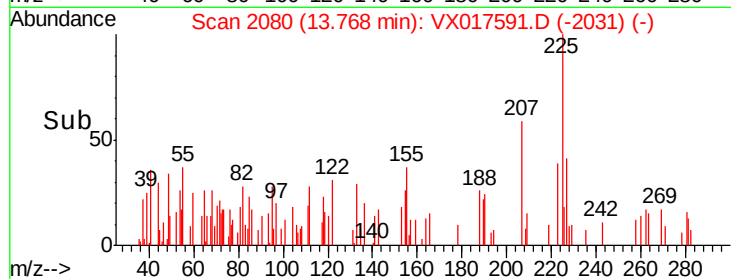
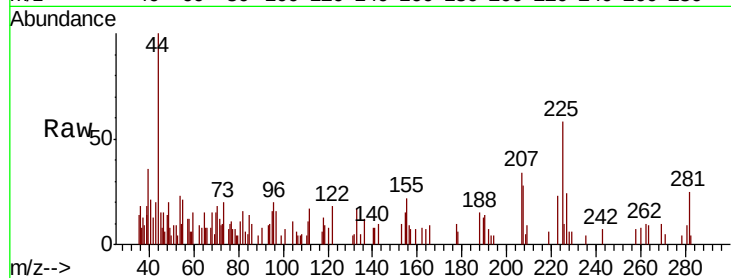
Tot Ion:225 Resp: 882

Ion Ratio Lower Upper

225 100

223 56.7 30.3 90.9

227 72.0 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

