

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\  
 Data File : VX015888.D  
 Acq On : 23 Apr 2020 14:23  
 Operator : JC/SP  
 Sample : L2380-11DL 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY001MW079-200421DL

Quant Time: Apr 24 03:29:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 04:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 828369   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 1266869  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1261234  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 726577   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 461790   | 49.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.02%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 371178   | 50.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.52% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1554309  | 52.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.60% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 668781   | 55.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.76% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.31  | 50   | 1580     | 0.218  | ug/l # | 44     |
| 5) Bromomethane                | 1.66  | 94   | 999      | 0.354  | ug/l # | 22     |
| 6) Chloroethane                | 1.74  | 64   | 1811     | 0.378  | ug/l # | 42     |
| 8) Diethyl Ether               | 2.13  | 74   | 987      | 0.233  | ug/l   | 94     |
| 11) Tert butyl alcohol         | 3.00  | 59   | 720      | 0.374  | ug/l # | 73     |
| 13) Acrolein                   | 2.28  | 56   | 890      | 0.781  | ug/l # | 15     |
| 16) Acetone                    | 2.42  | 43   | 3584     | 0.874  | ug/l # | 75     |
| 17) Carbon Disulfide           | 2.56  | 76   | 13325    | 0.506  | ug/l # | 94     |
| 19) Methyl tert-butyl Ether    | 3.17  | 73   | 48332    | 1.887  | ug/l # | 1      |
| 29) Tetrahydrofuran            | 5.11  | 42   | 1451     | 0.338  | ug/l # | 59     |
| 31) Cyclohexane                | 5.56  | 56   | 63391    | 4.605  | ug/l # | 91     |
| 36) 1,1-Dichloropropene        | 5.63  | 75   | 55217    | 4.916  | ug/l # | 53     |
| 38) Carbon Tetrachloride       | 5.63  | 117  | 74664    | 6.749  | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.44  | 83   | 94089    | 6.615  | ug/l   | 98     |
| 40) Benzene                    | 6.12  | 78   | 500535   | 14.797 | ug/l   | 97     |
| 42) 1,2-Dichloroethane         | 6.12  | 62   | 4624     | 0.380  | ug/l   | 87     |
| 48) Methyl methacrylate        | 7.71  | 41   | 11928    | 1.075  | ug/l # | 48     |
| 49) 1,4-Dioxane                | 7.73  | 88   | 1112     | 5.305  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.70  | 43   | 12407    | 0.953  | ug/l # | 1      |
| 52) Toluene                    | 8.77  | 92   | 8043     | 0.371  | ug/l   | 76     |
| 55) 1,1,2-Trichloroethane      | 9.15  | 97   | 18072    | 2.135  | ug/l # | 17     |
| 56) Ethyl methacrylate         | 9.15  | 69   | 4143     | 0.289  | ug/l # | 1      |
| 59) 2-Hexanone                 | 9.54  | 43   | 3238     | 0.327  | ug/l   | 67     |
| 67) Ethyl Benzene              | 10.24 | 91   | 2837592  | 64.069 | ug/l   | 99     |
| 68) m/p-Xylenes                | 10.35 | 106  | 419321   | 25.224 | ug/l   | 100    |
| 69) o-Xylene                   | 10.68 | 106  | 313226   | 19.147 | ug/l   | 95     |
| 70) Styrene                    | 10.68 | 104  | 16821    | 0.594  | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.00 | 105  | 1012005  | 21.931 | ug/l   | 98     |
| 76) 1,2,3-Trichloropropane     | 11.12 | 75   | 330553   | 23.925 | ug/l # | 36     |
| 78) n-propylbenzene            | 11.34 | 91   | 1251006  | 23.666 | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 11.44 | 91   | 54970    | 1.731  | ug/l # | 40     |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 546319   | 13.885 | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.00 | 75   | 11189    | 1.948  | ug/l # | 50     |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 58578    | 1.552  | ug/l # | 49     |

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 Operator : JC/SP  
 Sample : L2380-11DL 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

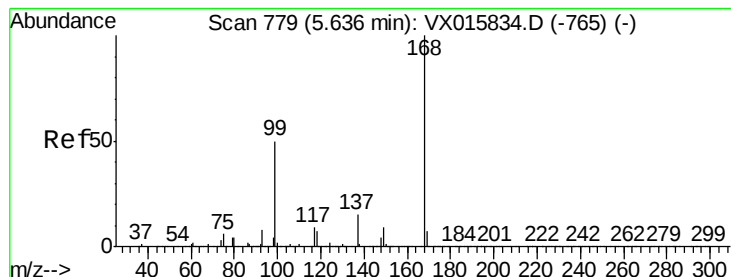
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY001MW079-200421DL

Quant Time: Apr 24 03:29:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 04:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 83) tert-Butylbenzene      | 11.79 | 119  | 279526   | 8.009  | ug/l # | 69       |
| 84) 1,2,4-Trimethylbenzene | 11.79 | 105  | 2215099  | 54.226 | ug/l   | 99       |
| 85) sec-Butylbenzene       | 11.79 | 105  | 2215099  | 48.145 | ug/l # | 56       |
| 86) p-Isopropyltoluene     | 12.05 | 119  | 18890    | 0.439  | ug/l # | 71       |
| 89) n-Butylbenzene         | 12.37 | 91   | 71152    | 1.850  | ug/l # | 33       |
| 90) Hexachloroethane       | 12.68 | 117  | 92033    | 20.250 | ug/l # | 4        |
| 95) Naphthalene            | 13.82 | 128  | 660444   | 13.272 | ug/l   | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

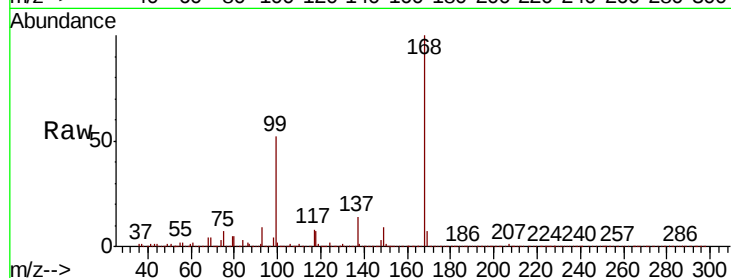
KY001MW079-200421DL

Tot Ion:168 Resp: 828369

Ion Ratio Lower Upper

168 100

99 52.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

200000

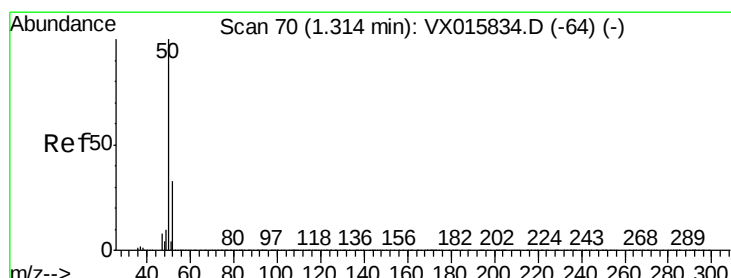
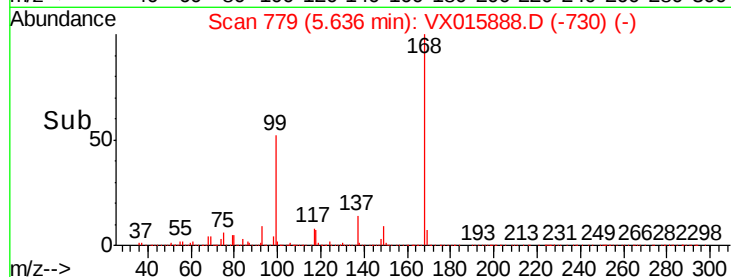
100000

0

5.50 5.60 5.70 5.80

5.64

Time-->



#3

Chloromethane

Concen: 0.218 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015888.D

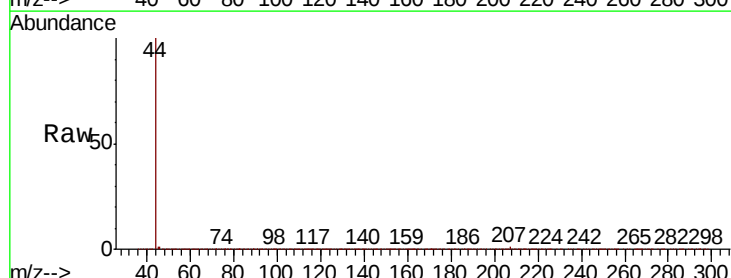
Acq: 23 Apr 2020 14:23

Tgt Ion: 50 Resp: 1580

Ion Ratio Lower Upper

50 100

52 64.4 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

1000

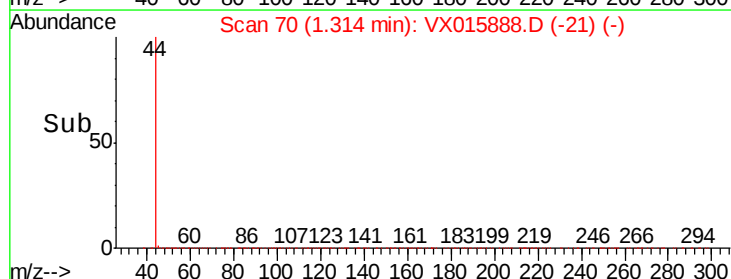
500

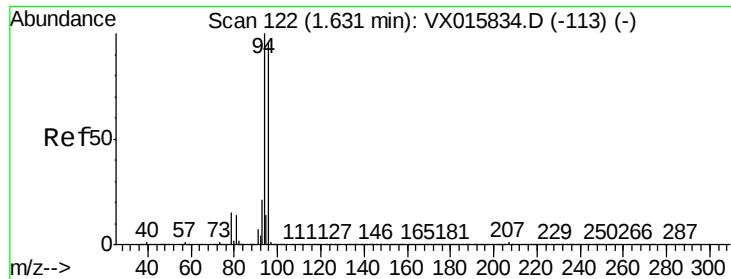
0

1.28 1.30 1.32 1.34

1.31

Time-->





#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

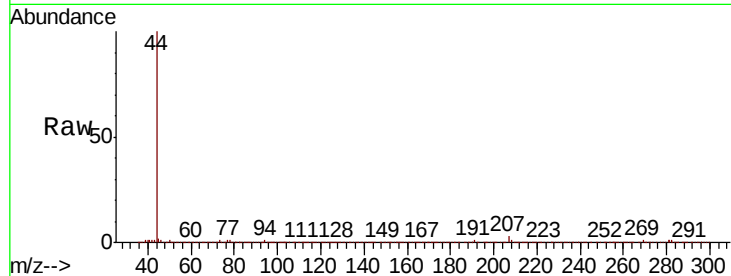
KY001MW079-200421DL

Tot Ion: 94 Resp: 999

Ion Ratio Lower Upper

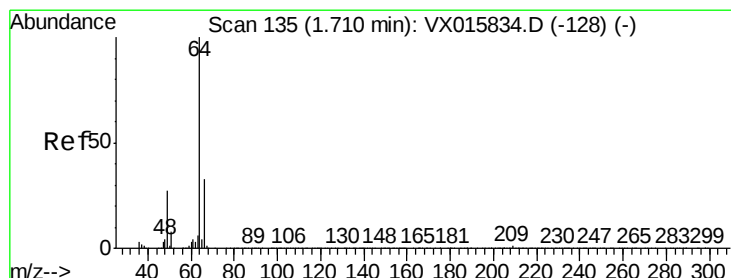
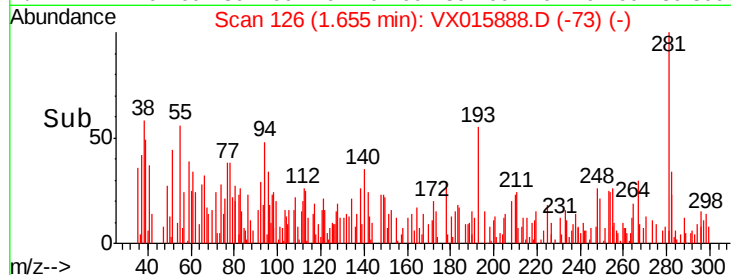
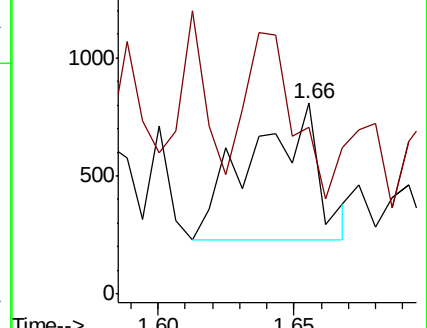
94 100

96 19.7 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.378 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX015888.D

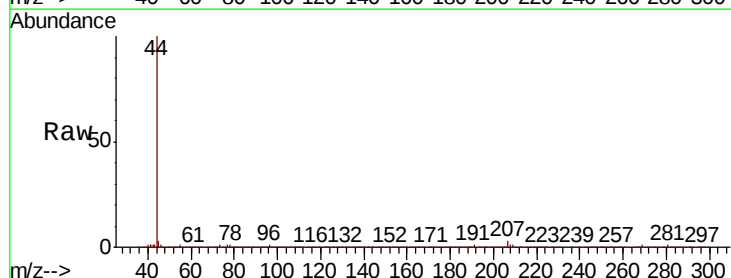
Acq: 23 Apr 2020 14:23

Tgt Ion: 64 Resp: 1811

Ion Ratio Lower Upper

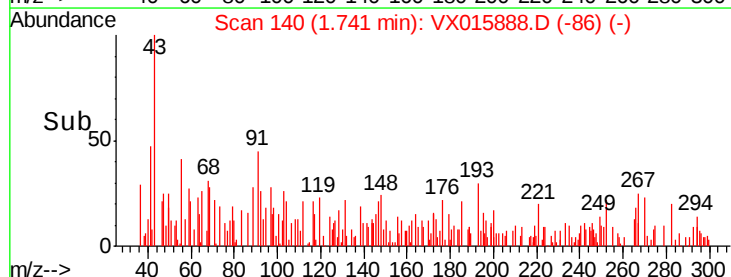
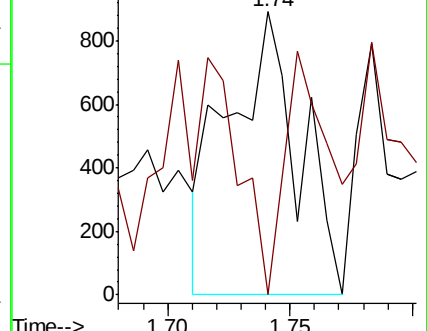
64 100

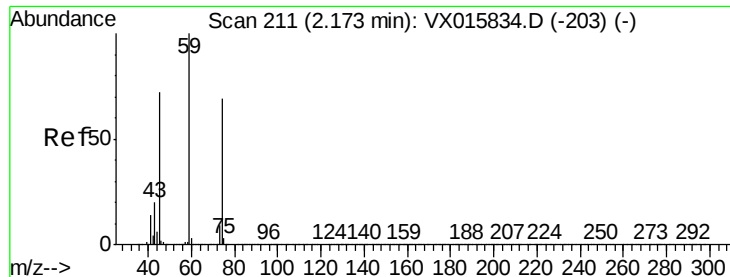
66 0.0 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.233 ug/l

RT: 2.13 min Scan# 204

Delta R.T. -0.04 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

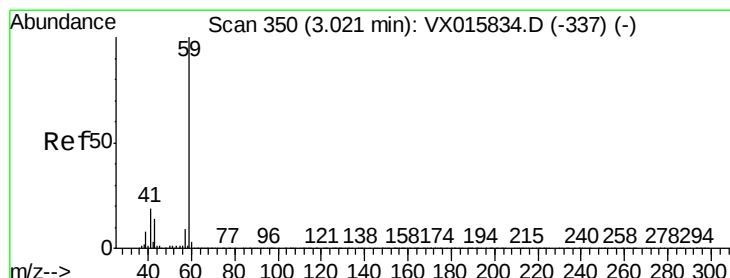
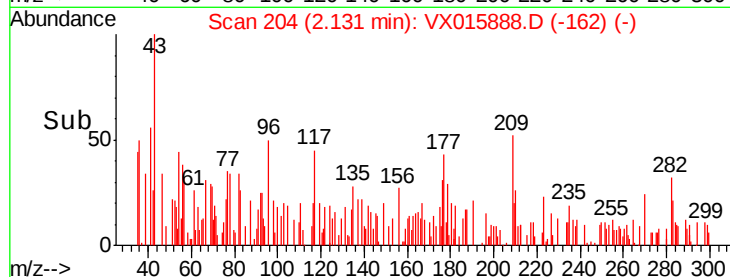
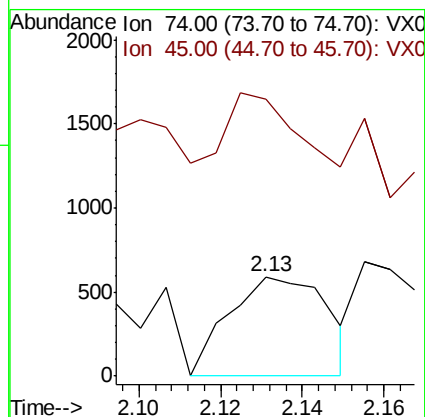
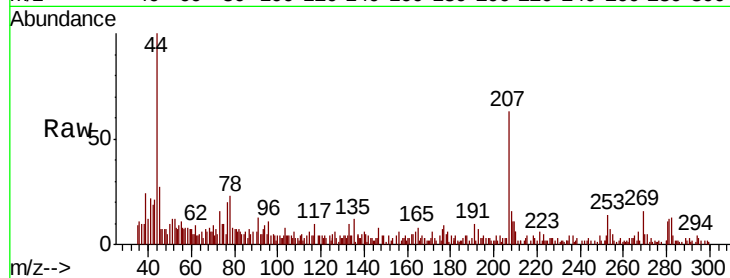
KY001MW079-200421DL

Tot Ion: 74 Resp: 987

Ion Ratio Lower Upper

74 100

45 113.6 53.8 161.4



#11

Tert butyl alcohol

Concen: 0.374 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015888.D

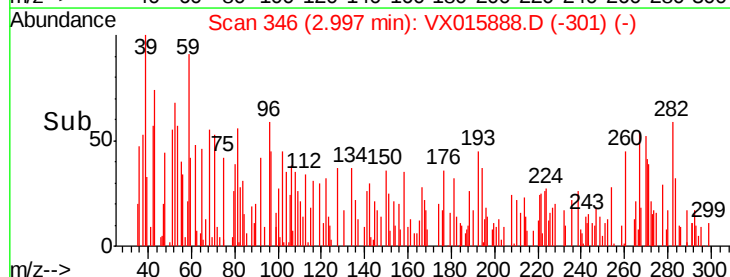
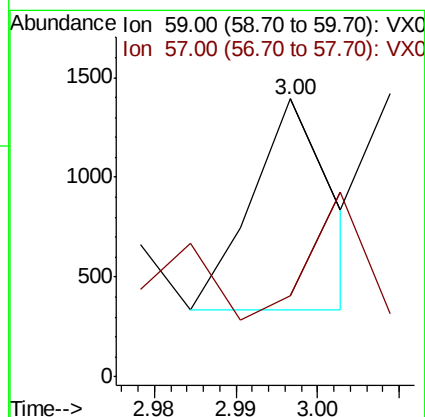
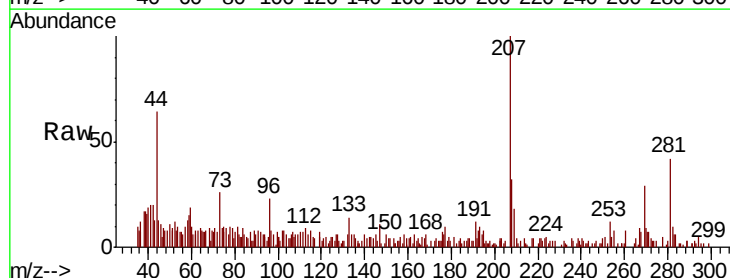
Acq: 23 Apr 2020 14:23

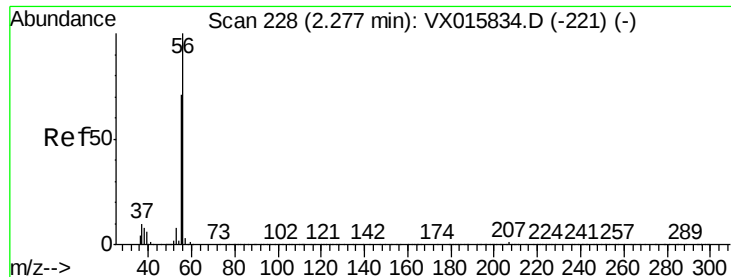
Tgt Ion: 59 Resp: 720

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.781 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

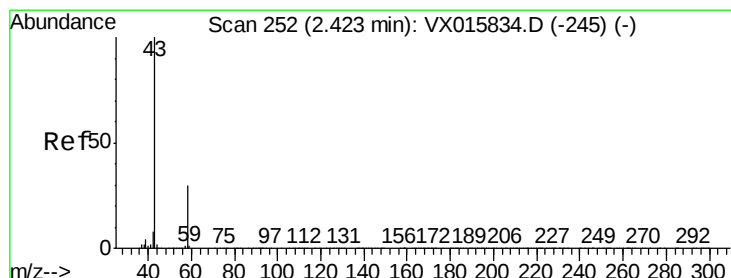
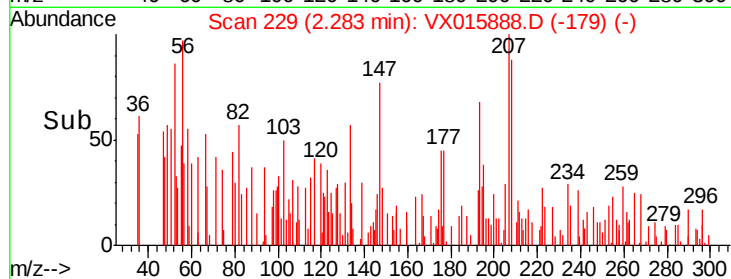
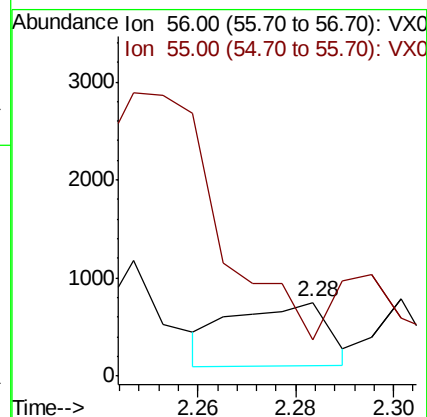
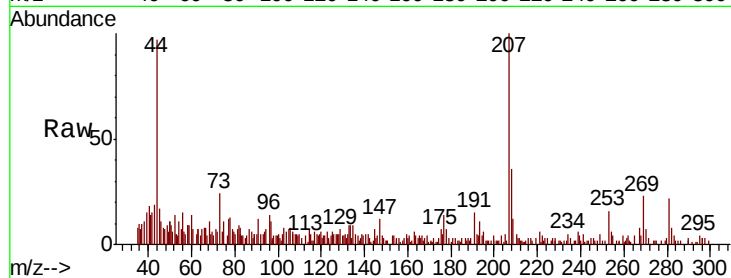
KY001MW079-200421DL

Tot Ion: 56 Resp: 890

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



#16

Acetone

Concen: 0.874 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.00 min

Lab File: VX015888.D

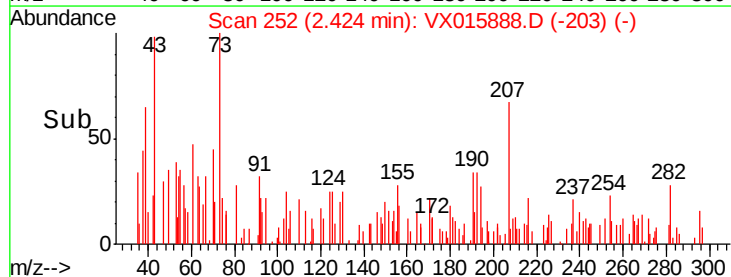
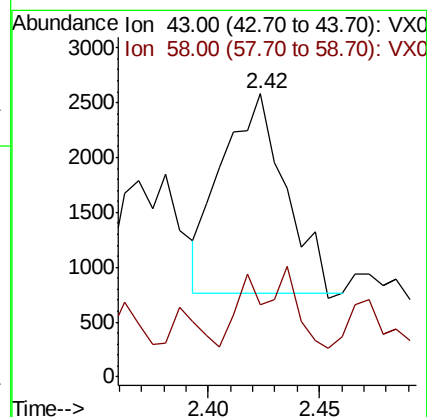
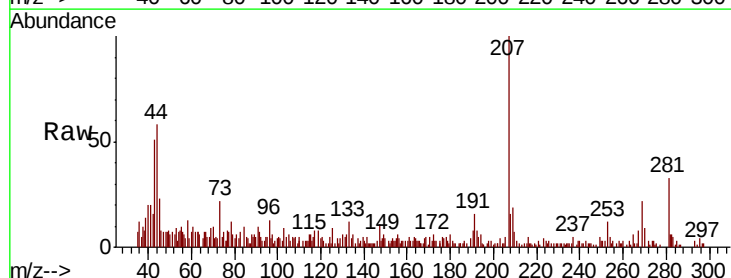
Acq: 23 Apr 2020 14:23

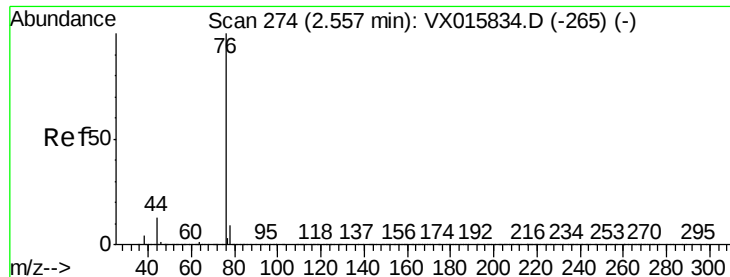
Tgt Ion: 43 Resp: 3584

Ion Ratio Lower Upper

43 100

58 16.4 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.506 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

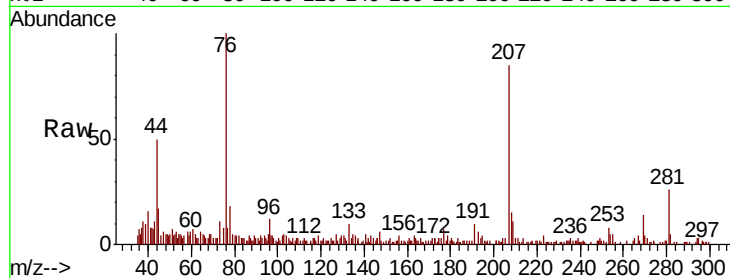
KY001MW079-200421DL

Tot Ion: 76 Resp: 13325

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

8000

6000

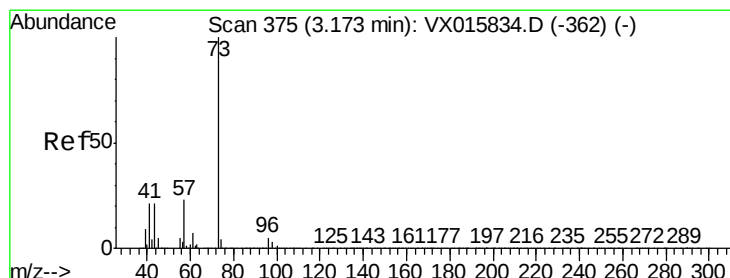
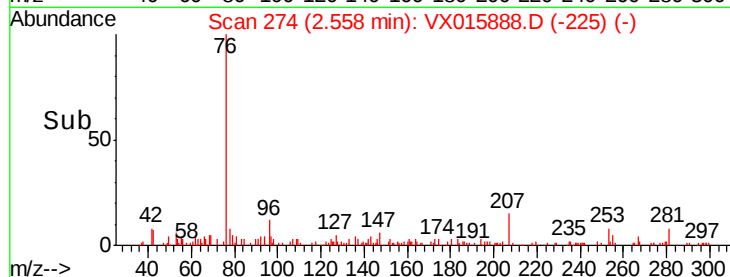
4000

2000

0

2.50 2.55 2.60

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.887 ug/l

RT: 3.17 min Scan# 374

Delta R.T. -0.01 min

Lab File: VX015888.D

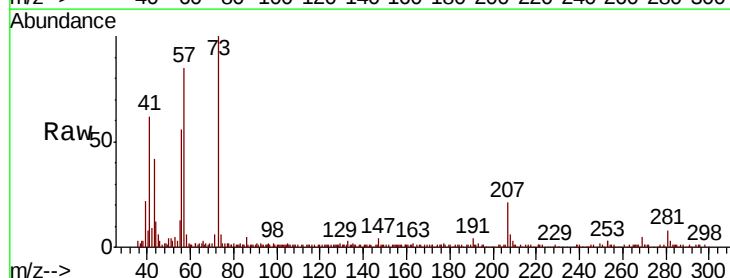
Acq: 23 Apr 2020 14:23

Tgt Ion: 73 Resp: 48332

Ion Ratio Lower Upper

73 100

57 87.2 18.1 27.1#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

30000

25000

20000

15000

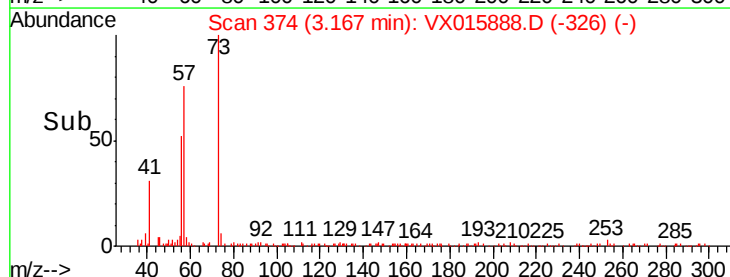
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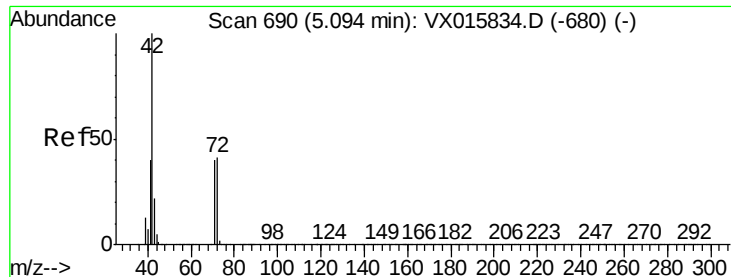
5000

0

3.10 3.15 3.20 3.25

Time-->





#29

Tetrahydrofuran

Concen: 0.338 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

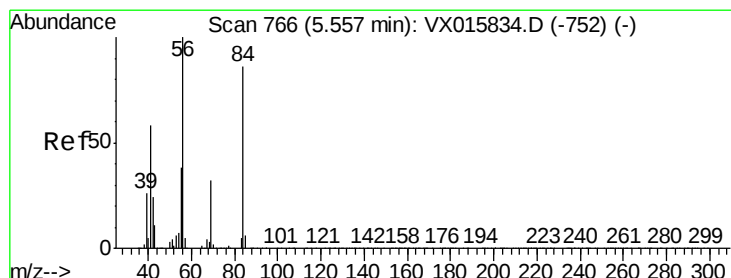
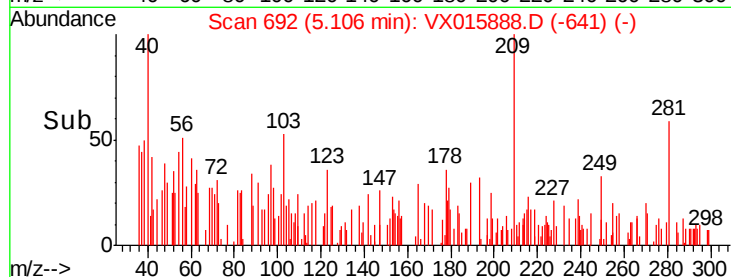
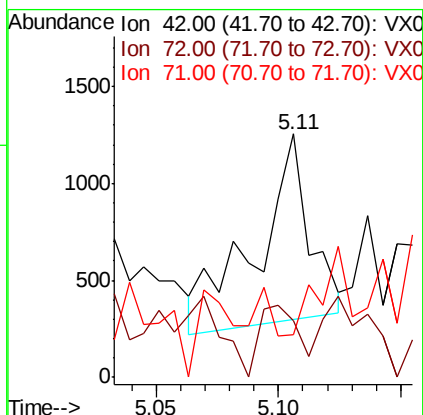
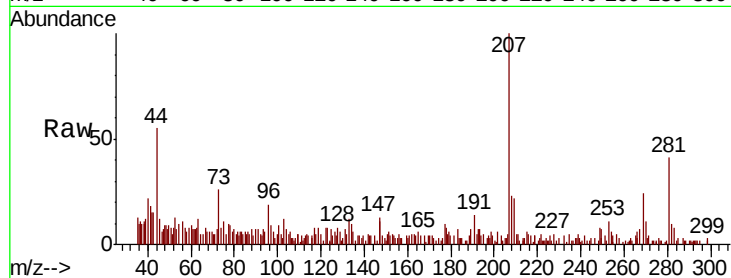
Tot Ion: 42 Resp: 1451

Ion Ratio Lower Upper

42 100

72 28.5 33.0 49.6#

71 0.0 30.6 45.8#



#31

Cyclohexane

Concen: 4.605 ug/l

RT: 5.56 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

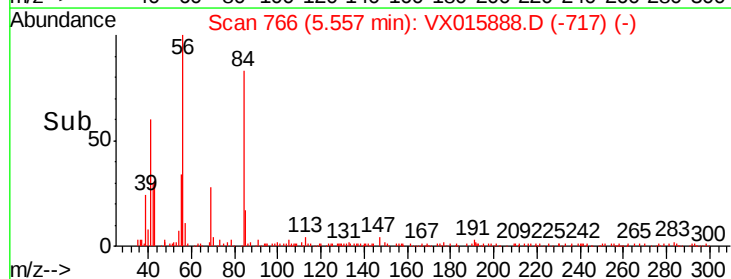
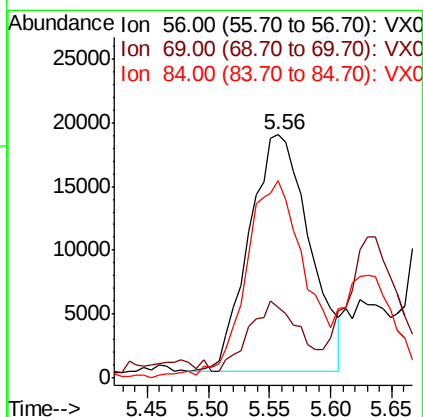
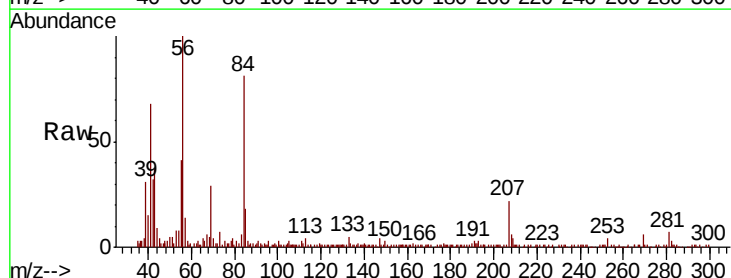
Tgt Ion: 56 Resp: 63391

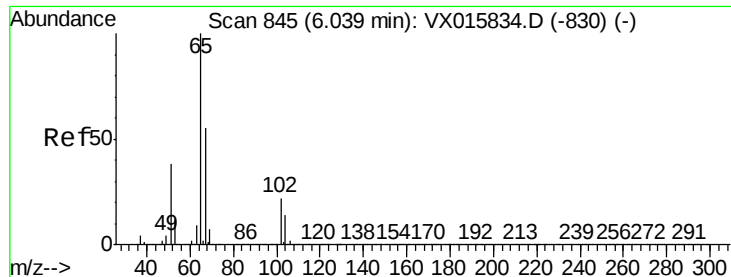
Ion Ratio Lower Upper

56 100

69 23.2 25.3 37.9#

84 80.7 69.1 103.7

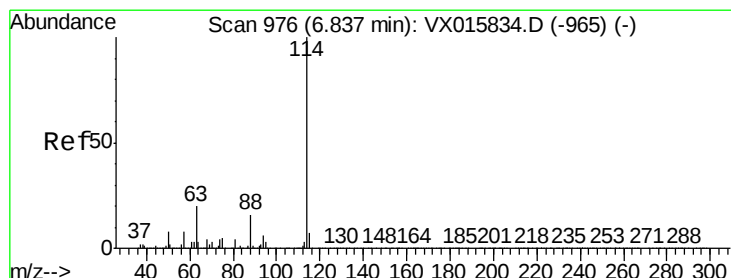
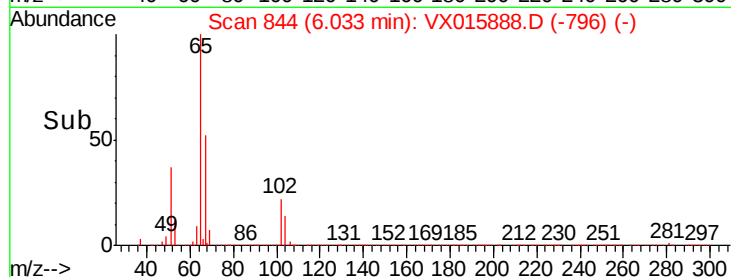
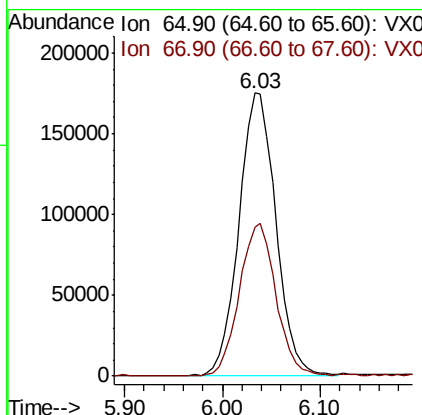
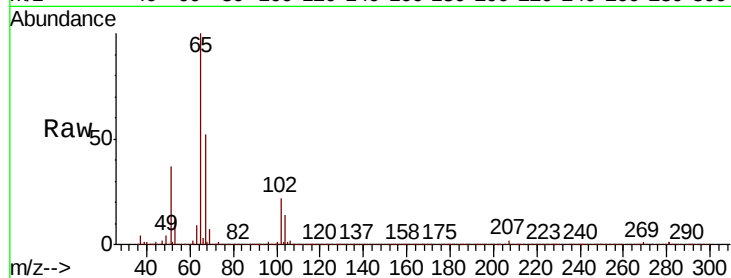




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.014 ug/l  
 RT: 6.03 min Scan# 844  
 Delta R.T. -0.01 min  
 Lab File: VX015888.D  
 Acq: 23 Apr 2020 14:23

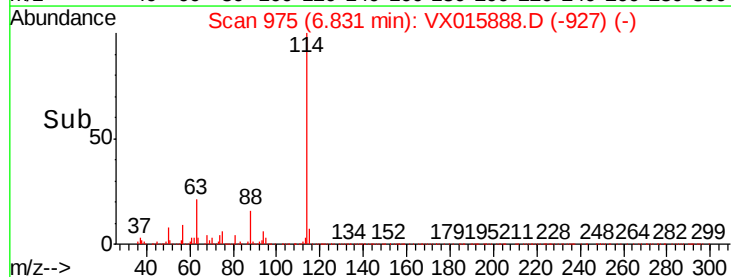
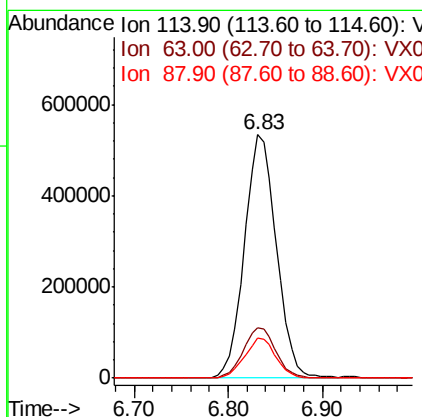
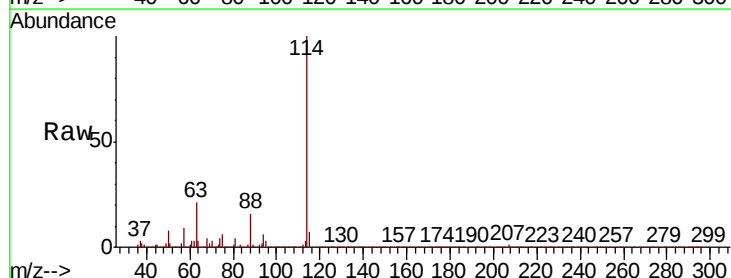
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY001MW079-200421DL

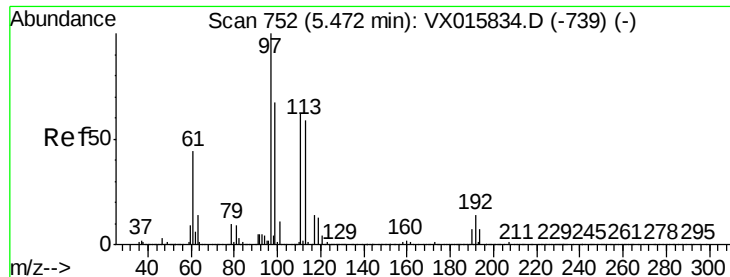
Tot Ion: 65 Resp: 461790  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 975  
 Delta R.T. -0.01 min  
 Lab File: VX015888.D  
 Acq: 23 Apr 2020 14:23

Tgt Ion: 114 Resp: 1266869  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 40.6  
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.758 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

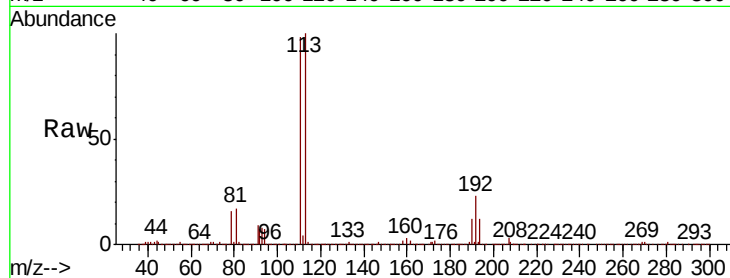
Tot Ion:113 Resp: 371178

Ion Ratio Lower Upper

113 100

111 101.5 82.7 124.1

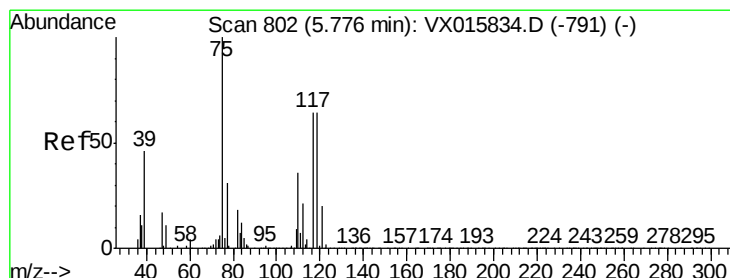
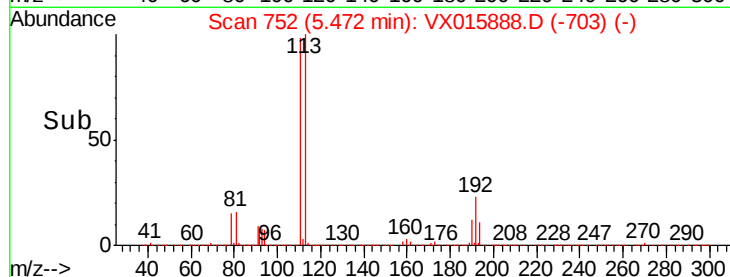
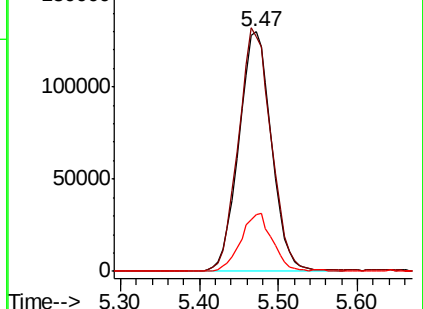
192 23.1 19.3 28.9



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: 4.916 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.15 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

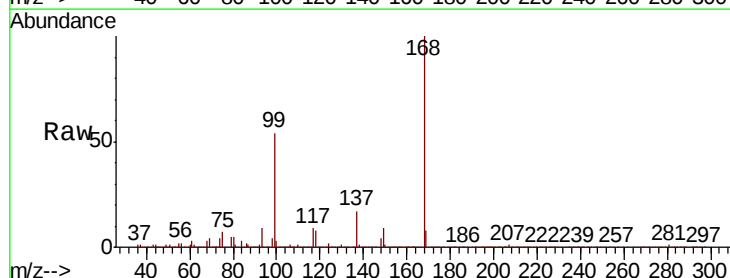
Tgt Ion: 75 Resp: 55217

Ion Ratio Lower Upper

75 100

110 12.5 17.9 53.8#

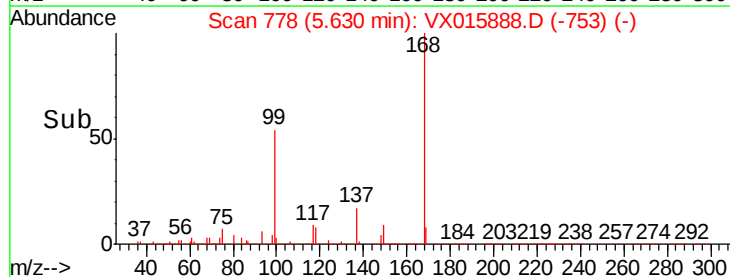
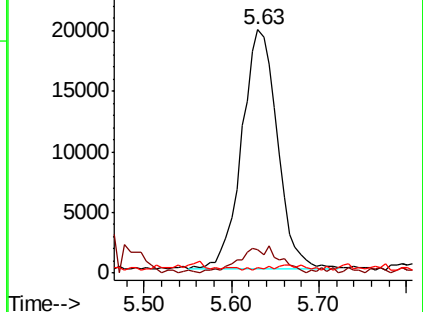
77 0.0 24.5 36.7#

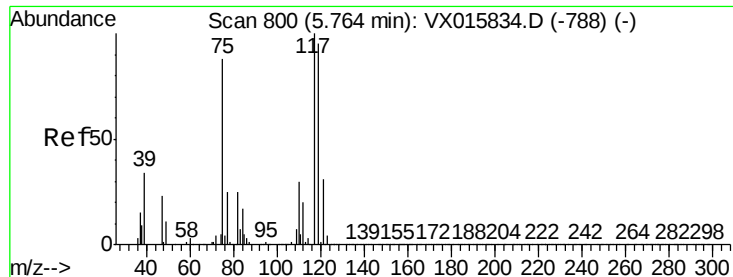


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.749 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

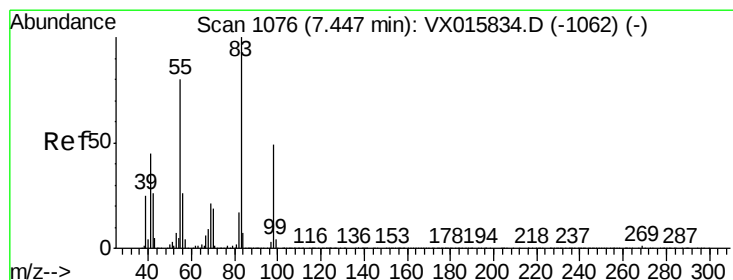
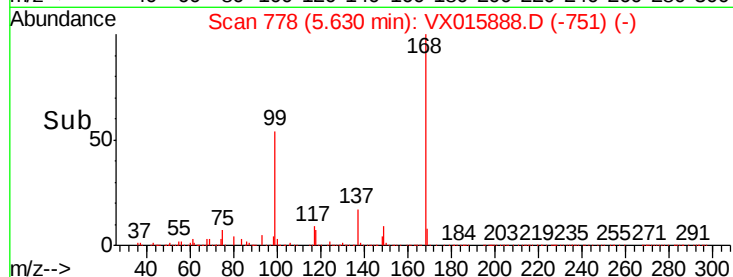
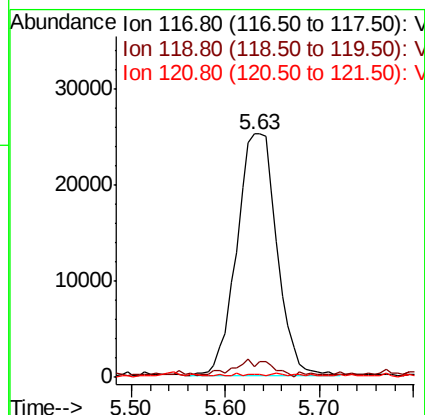
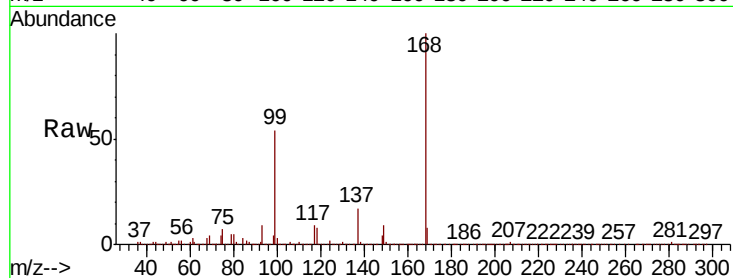
Tot Ion:117 Resp: 74664

Ion Ratio Lower Upper

117 100

119 2.7 75.7 113.5#

121 0.0 25.0 37.6#



#39

Methylcyclohexane

Concen: 6.615 ug/l

RT: 7.44 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

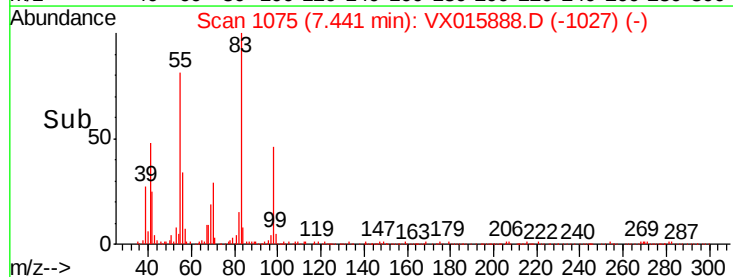
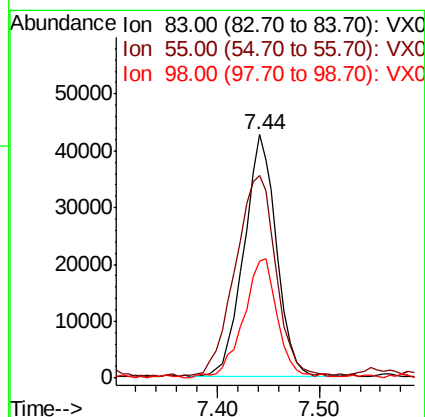
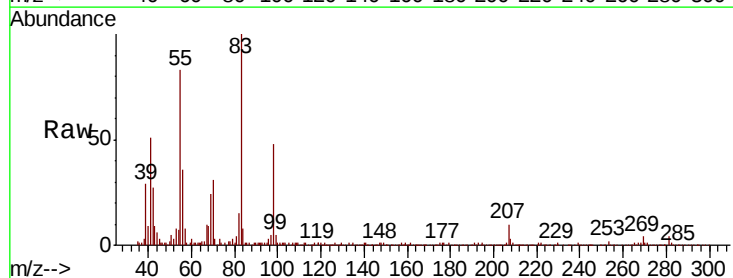
Tgt Ion: 83 Resp: 94089

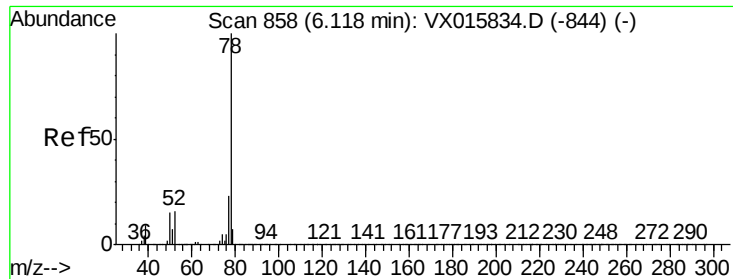
Ion Ratio Lower Upper

83 100

55 82.9 64.2 96.4

98 48.0 39.3 58.9





#40

Benzene

Concen: 14.797 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

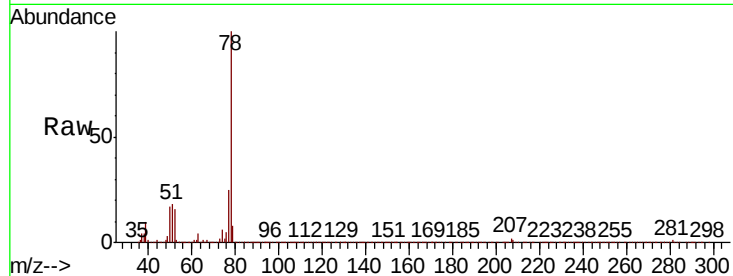
KY001MW079-200421DL

Tot Ion: 78 Resp: 500535

Ion Ratio Lower Upper

78 100

77 24.6 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

200000

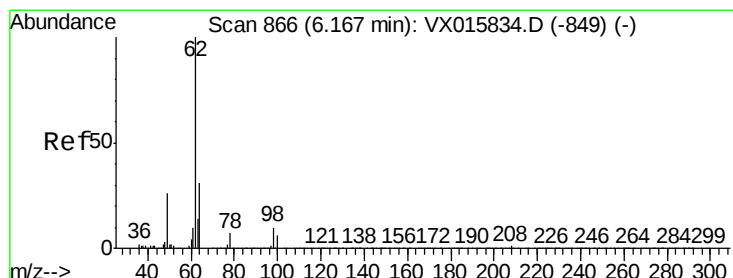
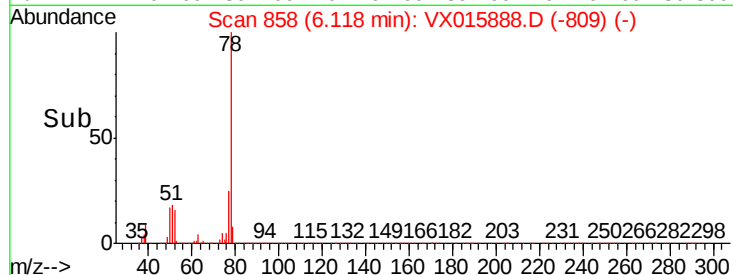
150000

100000

50000

0

Time-->



#42

1,2-Dichloroethane

Concen: 0.380 ug/l

RT: 6.12 min Scan# 859

Delta R.T. -0.04 min

Lab File: VX015888.D

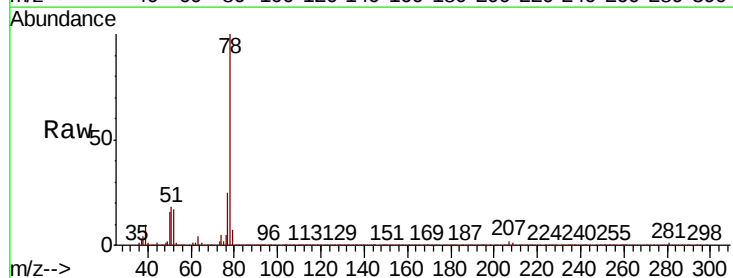
Acq: 23 Apr 2020 14:23

Tgt Ion: 62 Resp: 4624

Ion Ratio Lower Upper

62 100

98 5.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.12

2000

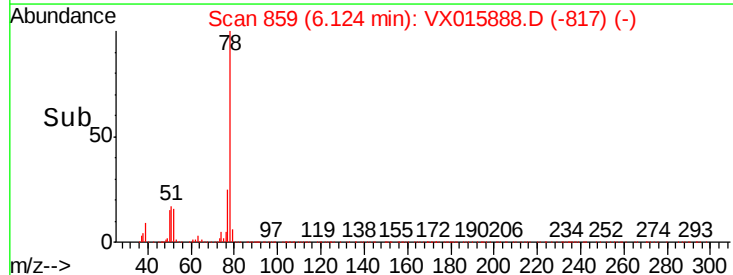
1500

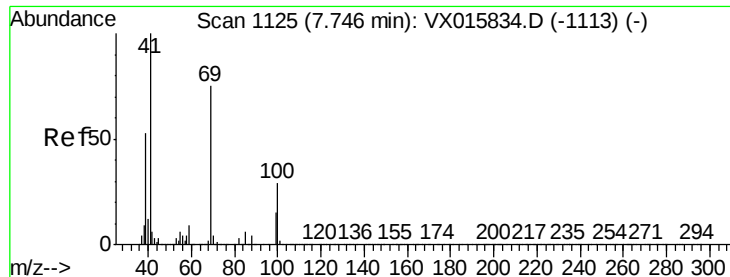
1000

500

0

Time-->





#48

Methyl methacrylate

Concen: 1.075 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.04 min

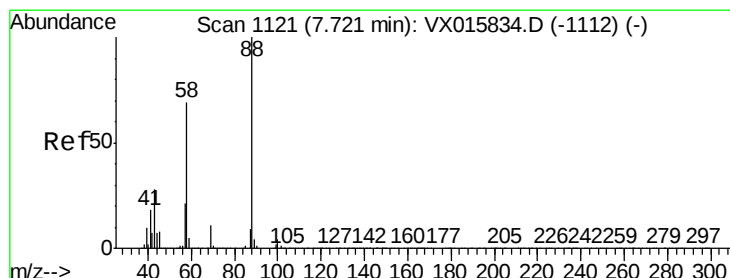
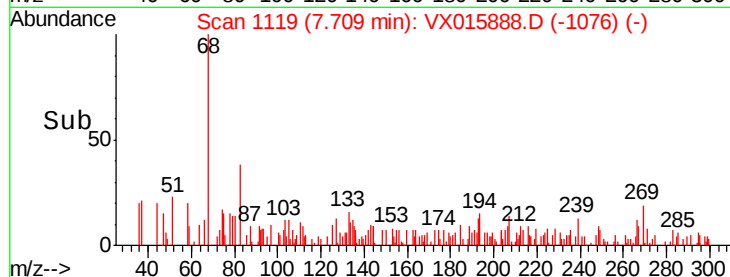
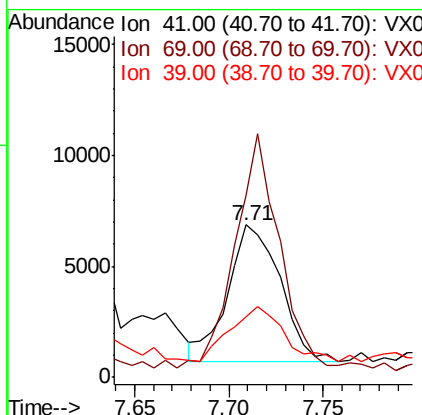
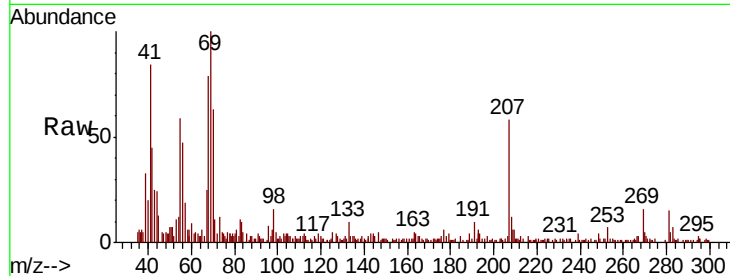
Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY001MW079-200421DL

Tot Ion: 41 Resp: 11928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 142.8 | 60.5  | 90.7# |
| 39  | 42.5  | 42.1  | 63.1  |



#49

1,4-Dioxane

Concen: 5.305 ug/l

RT: 7.73 min Scan# 1122

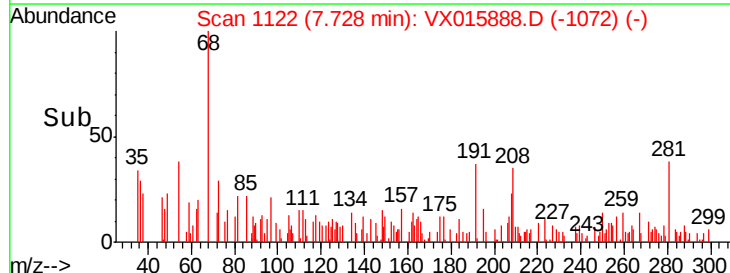
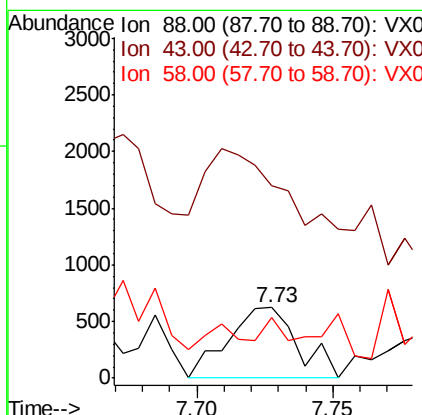
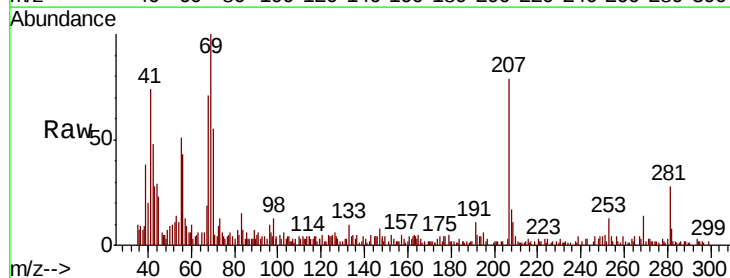
Delta R.T. 0.01 min

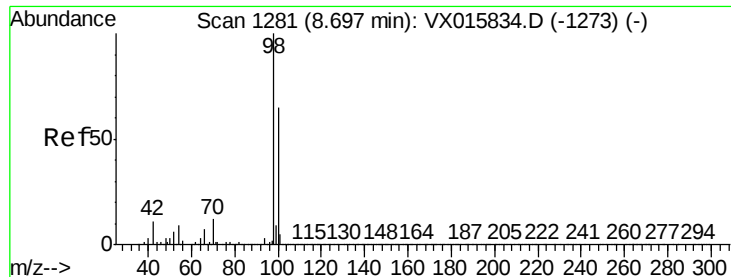
Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Tgt Ion: 88 Resp: 1112

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 230.9 | 28.2  | 42.4# |
| 58  | 16.5  | 58.9  | 88.3# |





#50

Toluene-d8

Concen: 52.799 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

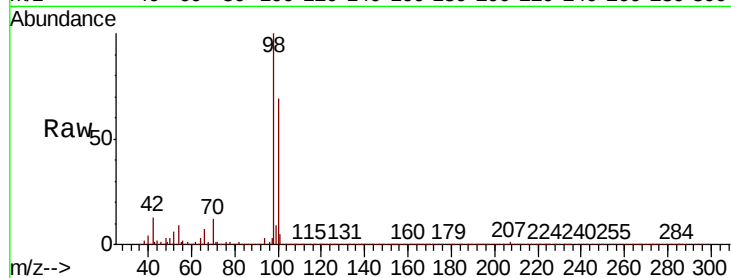
KY001MW079-200421DL

Tot Ion: 98 Resp: 1554309

Ion Ratio Lower Upper

98 100

100 67.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

1000000

800000

600000

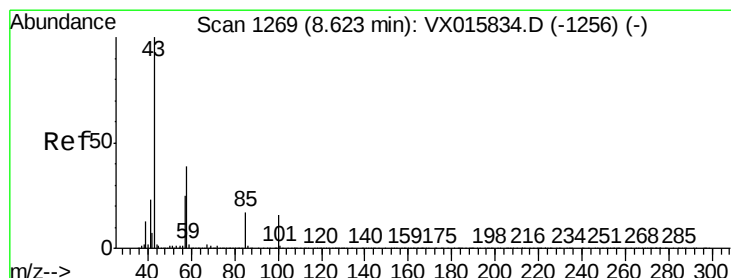
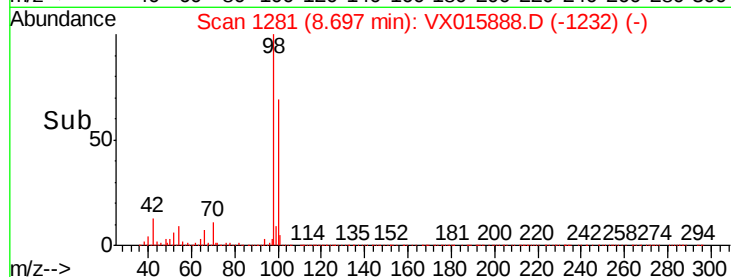
400000

200000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.953 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.07 min

Lab File: VX015888.D

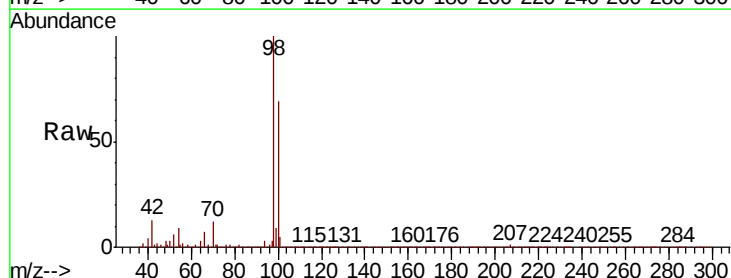
Acq: 23 Apr 2020 14:23

Tgt Ion: 43 Resp: 12407

Ion Ratio Lower Upper

43 100

58 117.1 30.6 45.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

6000

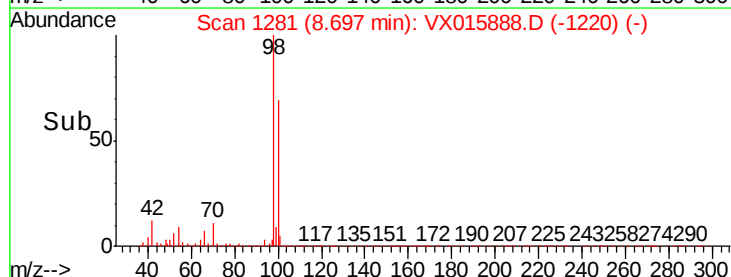
4000

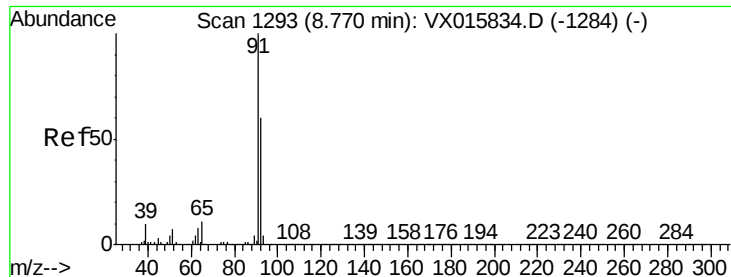
2000

0

8.55 8.60 8.65 8.70 8.75

Time-->





#52

Toluene

Concen: 0.371 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

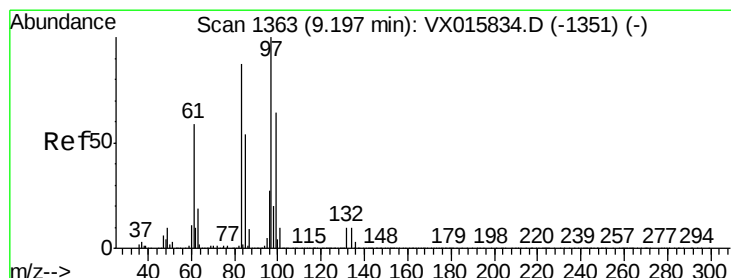
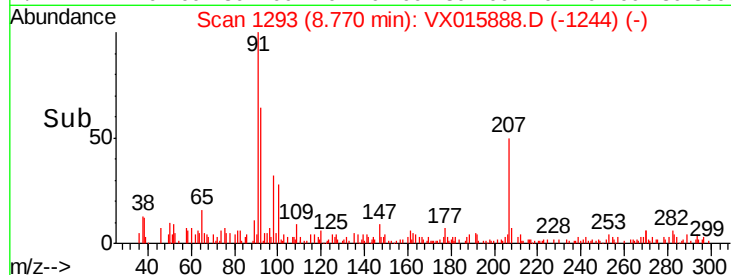
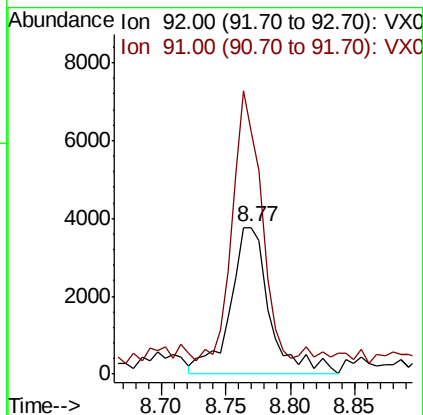
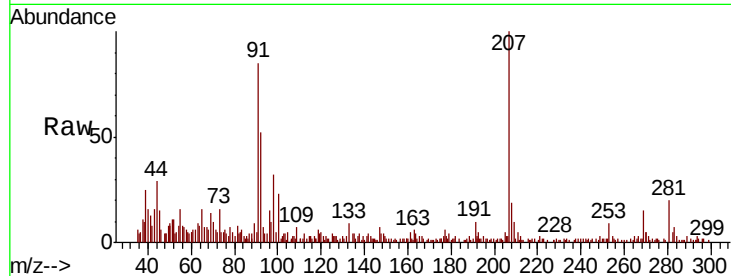
KY001MW079-200421DL

Tot Ion: 92 Resp: 8043

Ion Ratio Lower Upper

92 100

91 134.0 133.4 200.0



#55

1,1,2-Trichloroethane

Concen: 2.135 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.05 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Tgt Ion: 97 Resp: 18072

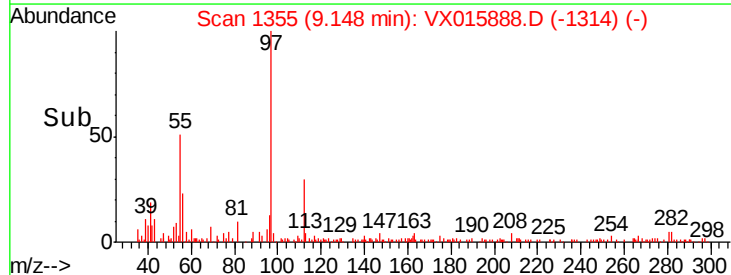
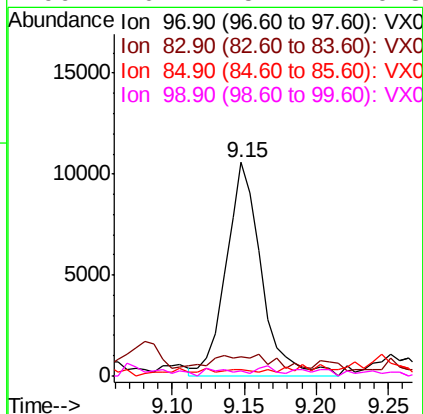
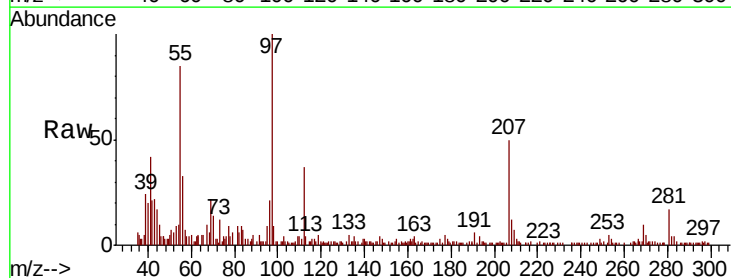
Ion Ratio Lower Upper

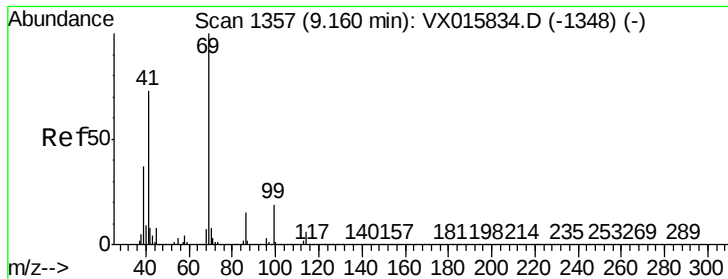
97 100

83 4.4 69.8 104.8#

85 1.2 43.4 65.2#

99 0.7 51.2 76.8#





#56

Ethyl methacrylate

Concen: 0.289 ug/l

RT: 9.15 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

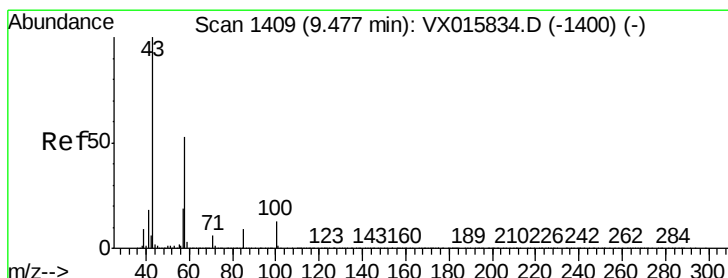
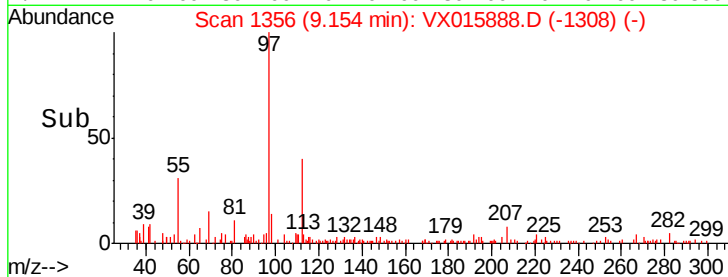
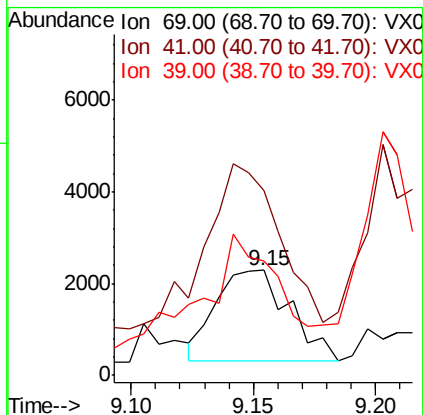
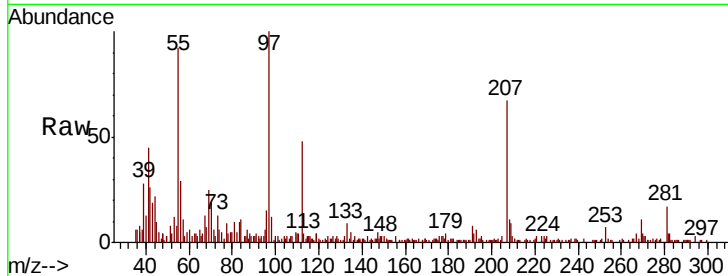
Tot Ion: 69 Resp: 4143

Ion Ratio Lower Upper

69 100

41 184.0 57.4 86.2#

39 125.1 29.7 44.5#



#59

2-Hexanone

Concen: 0.327 ug/l

RT: 9.54 min Scan# 1420

Delta R.T. 0.07 min

Lab File: VX015888.D

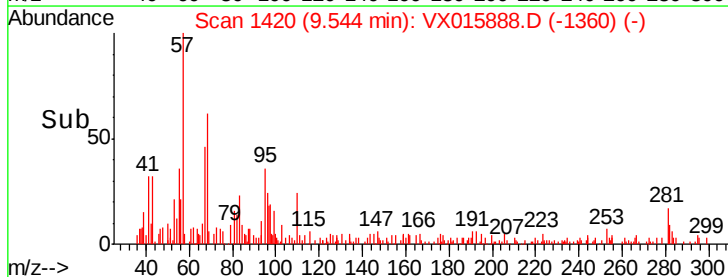
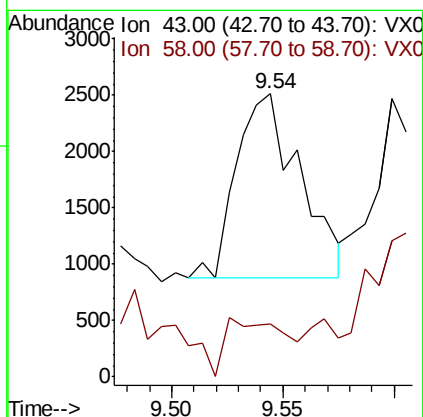
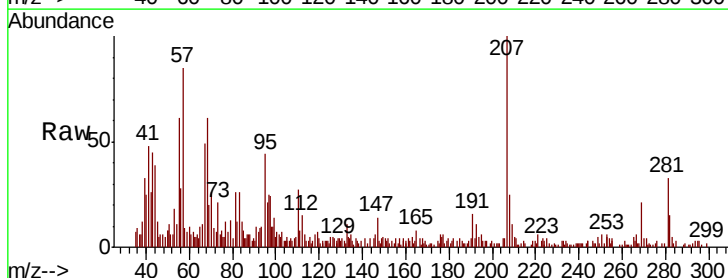
Acq: 23 Apr 2020 14:23

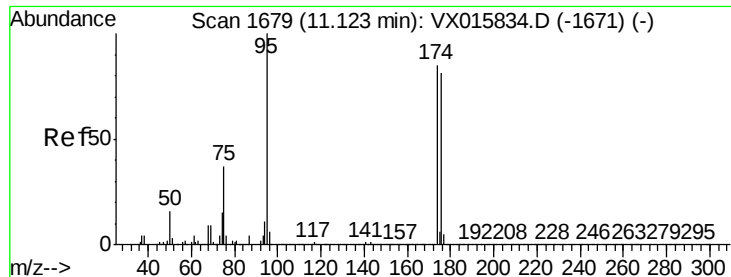
Tgt Ion: 43 Resp: 3238

Ion Ratio Lower Upper

43 100

58 29.5 26.5 79.4





#62

4-Bromofluorobenzene

Concen: 55.379 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

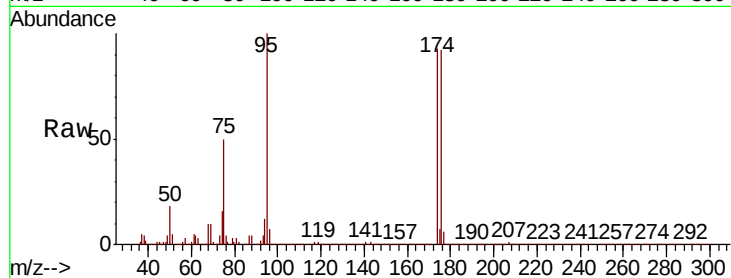
Tot Ion: 95 Resp: 668781

Ion Ratio Lower Upper

95 100

174 89.0 0.0 172.4

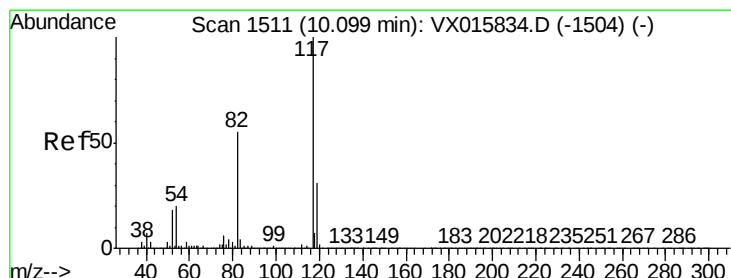
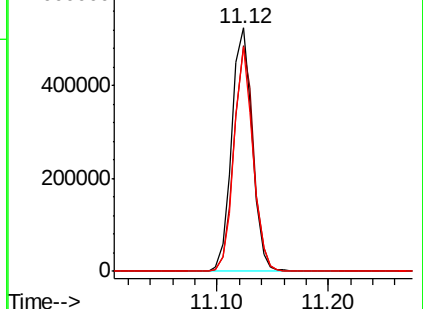
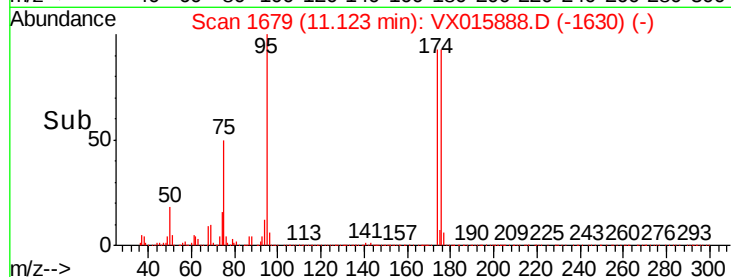
176 85.0 0.0 167.0



Abundance Ion 94.90 (94.60 to 95.60): VX015888.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015888.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015888.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

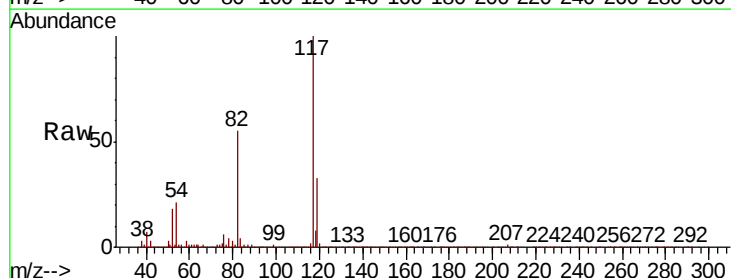
Tgt Ion: 117 Resp: 1261234

Ion Ratio Lower Upper

117 100

82 55.3 43.9 65.9

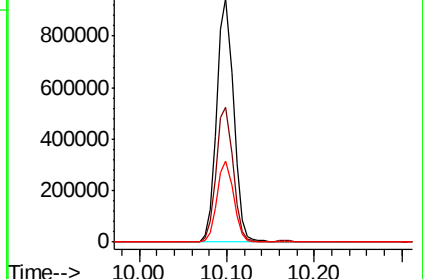
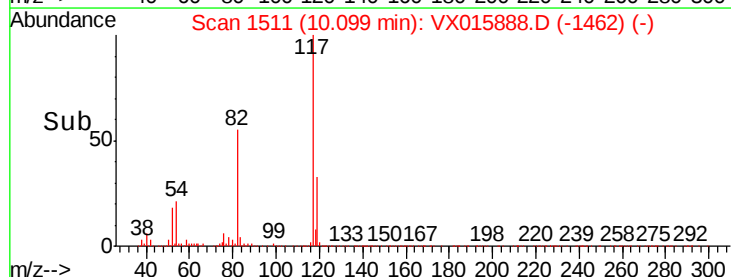
119 33.2 25.1 37.7

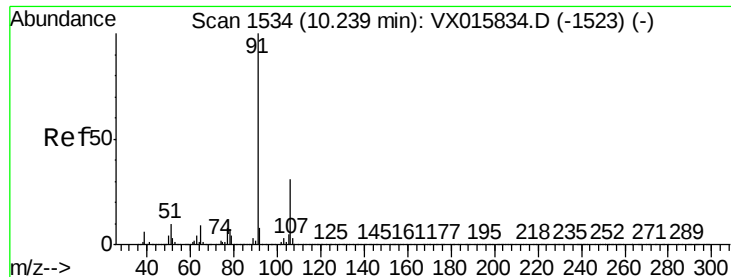


Abundance Ion 116.90 (116.60 to 117.60): VX015888.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015888.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015888.D (-1462) (-)





#67

Ethyl Benzene

Concen: 64.069 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

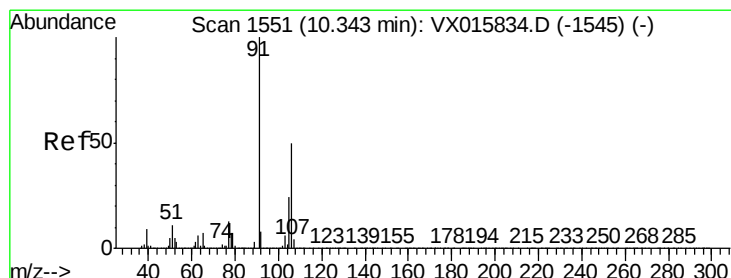
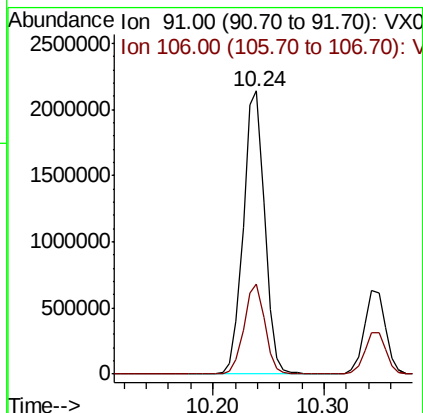
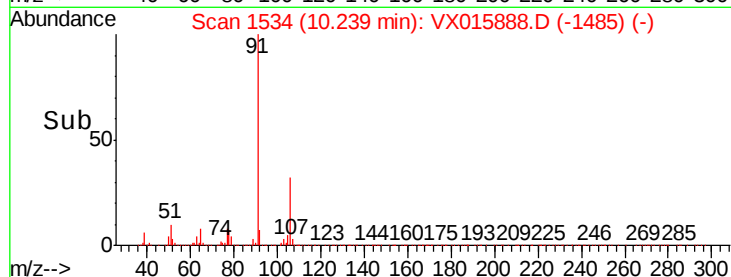
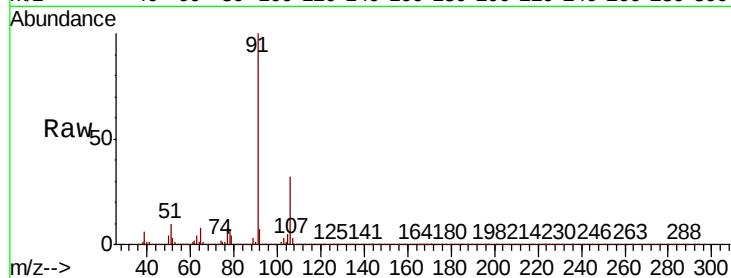
KY001MW079-200421DL

Tot Ion: 91 Resp: 2837592

Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4



#68

m/p-Xylenes

Concen: 25.224 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VX015888.D

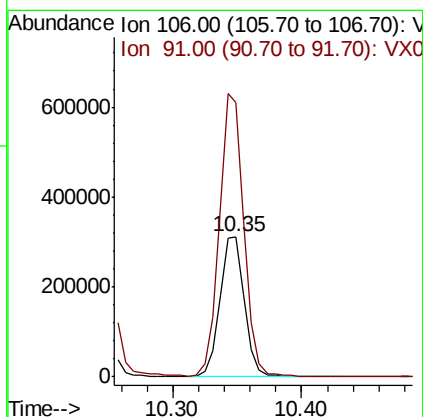
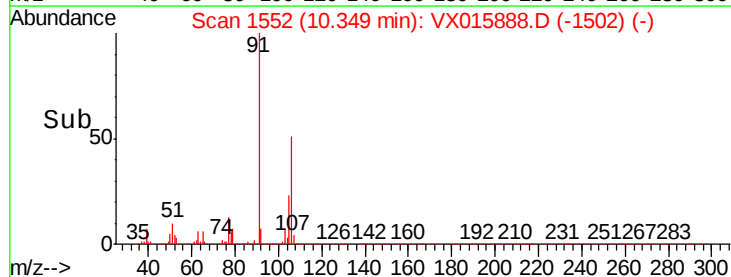
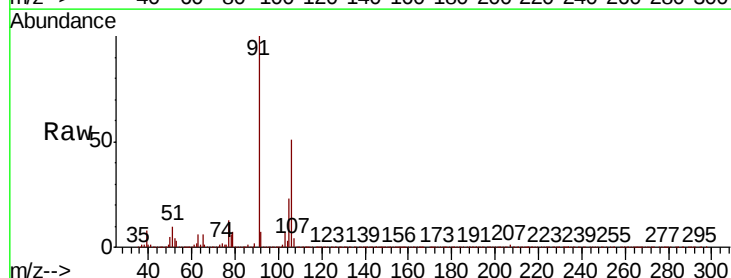
Acq: 23 Apr 2020 14:23

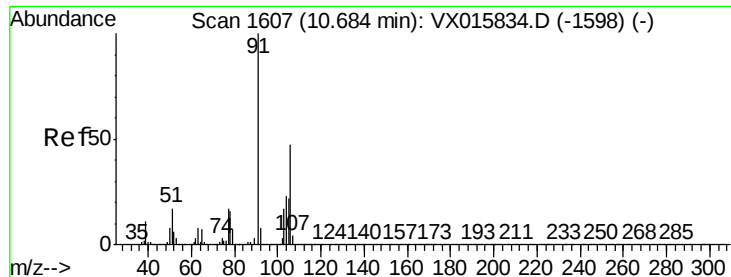
Tgt Ion: 106 Resp: 419321

Ion Ratio Lower Upper

106 100

91 200.8 161.1 241.7

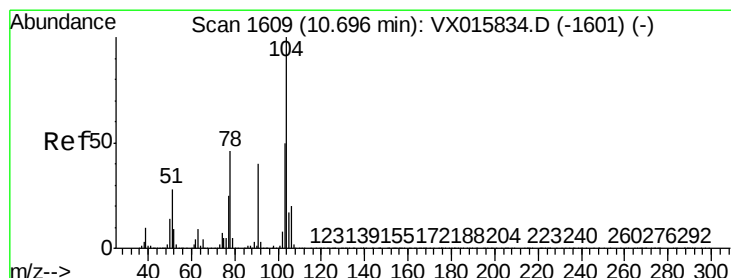
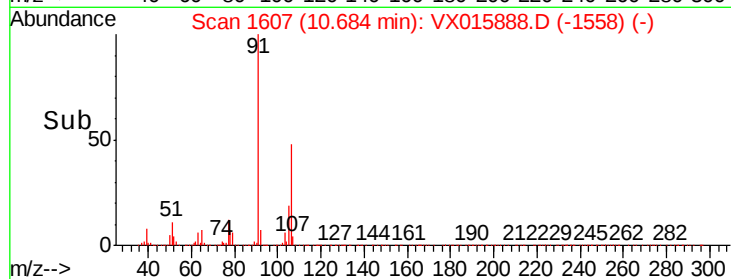
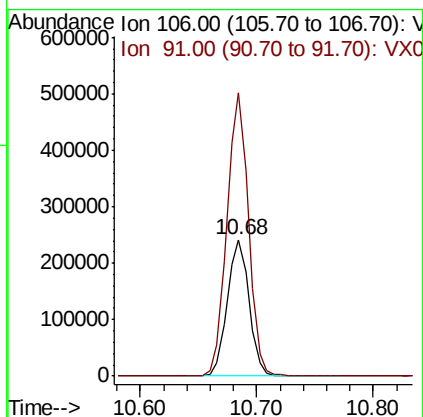
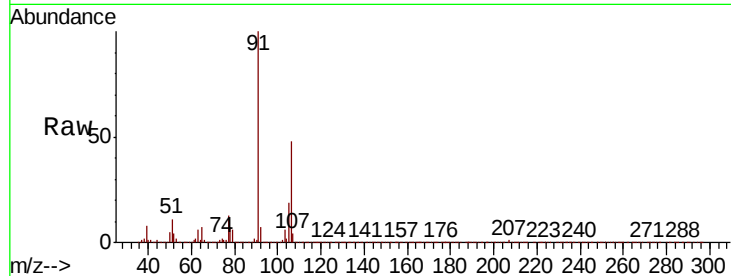




#69  
o-Xylene  
Concen: 19.147 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

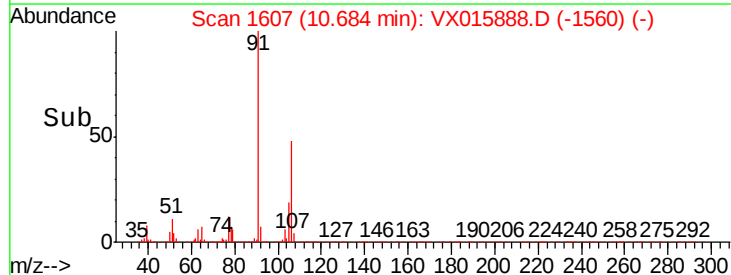
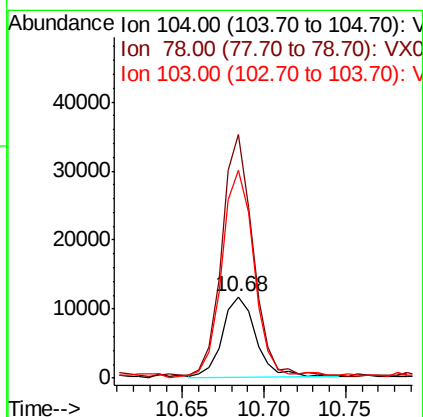
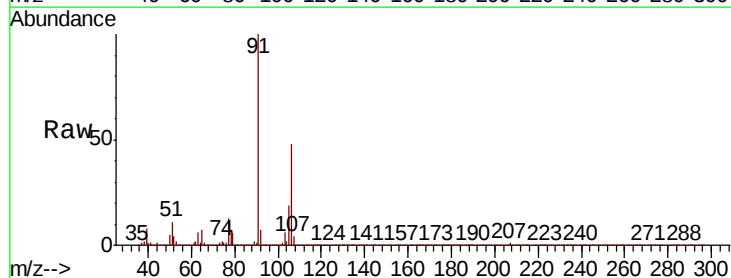
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY001MW079-200421DL

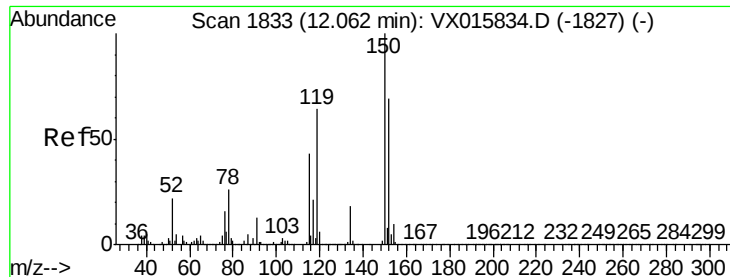
Tot Ion:106 Resp: 313226  
Ion Ratio Lower Upper  
106 100  
91 205.7 107.1 321.3



#70  
Styrene  
Concen: 0.594 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. -0.01 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

Tgt Ion:104 Resp: 16821  
Ion Ratio Lower Upper  
104 100  
78 277.3 40.1 60.1#  
103 245.6 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

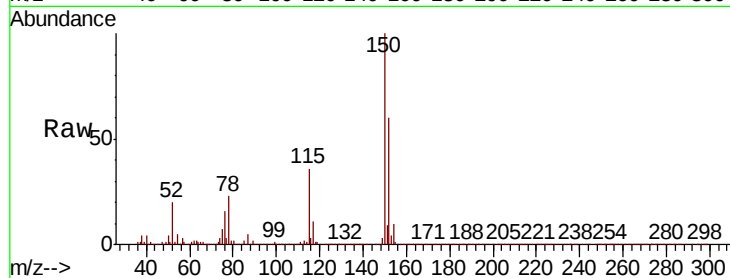
Tot Ion:152 Resp: 726577

Ion Ratio Lower Upper

152 100

115 57.0 39.0 116.9

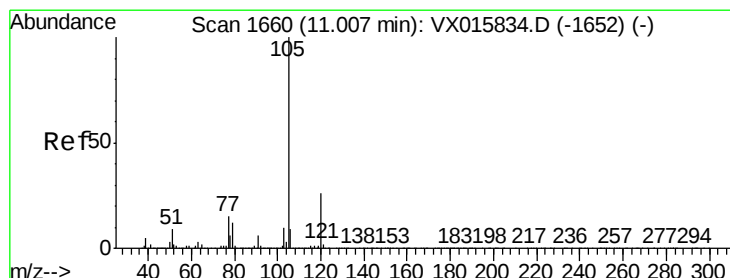
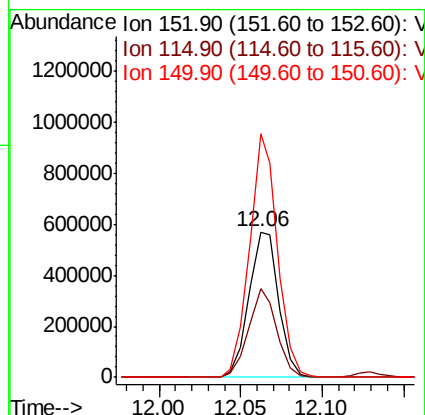
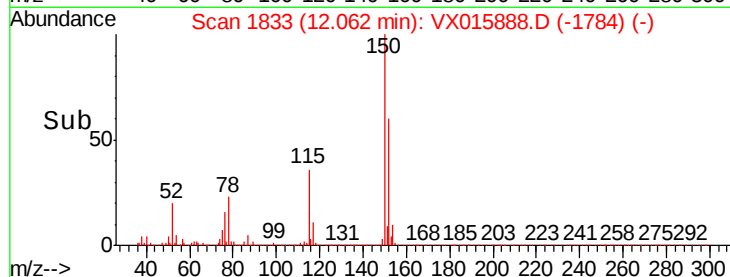
150 156.4 0.0 336.8



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



#73

Isopropylbenzene

Concen: 21.931 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015888.D

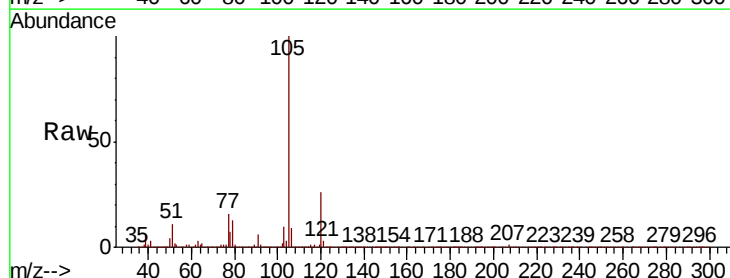
Acq: 23 Apr 2020 14:23

Tgt Ion:105 Resp: 1012005

Ion Ratio Lower Upper

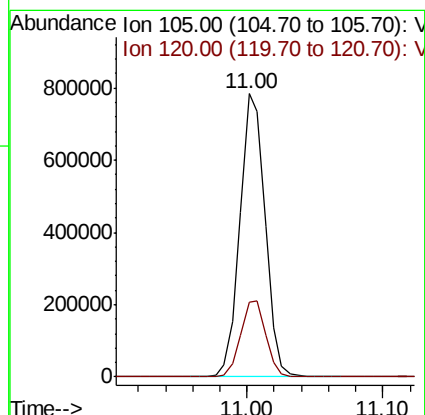
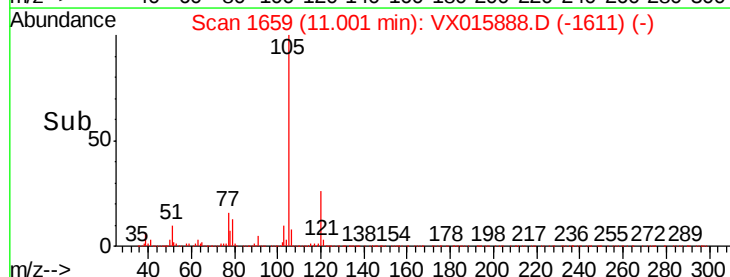
105 100

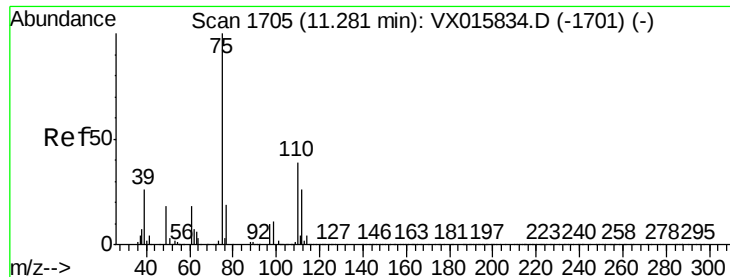
120 27.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 23.925 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

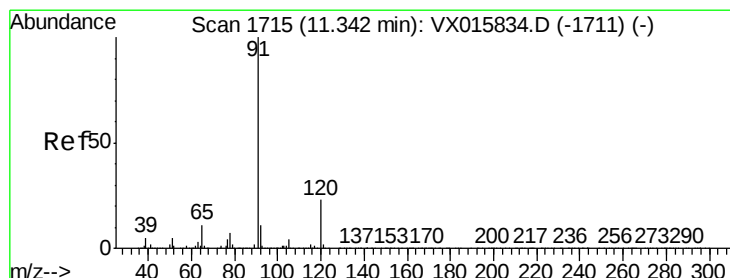
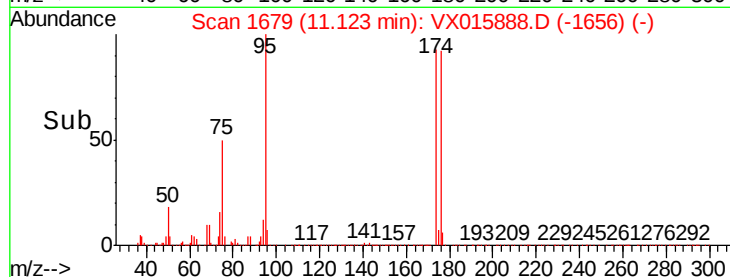
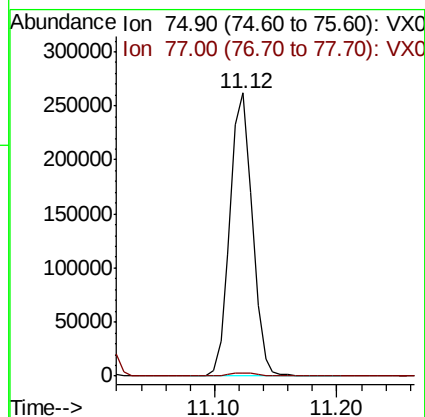
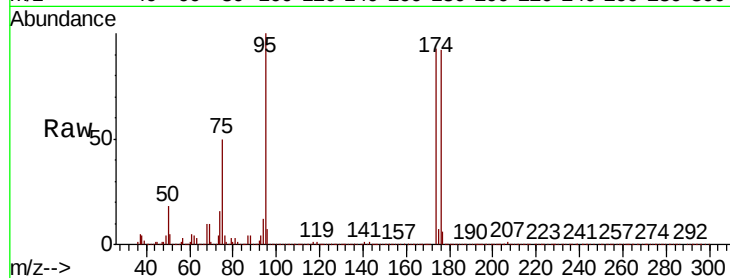
KY001MW079-200421DL

Tot Ion: 75 Resp: 330553

Ion Ratio Lower Upper

75 100

77 1.6 21.3 63.9#



#78

n-propylbenzene

Concen: 23.666 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015888.D

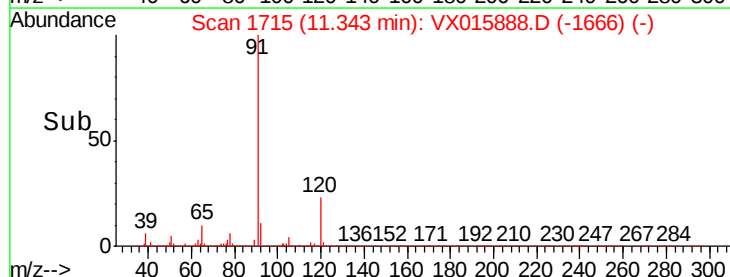
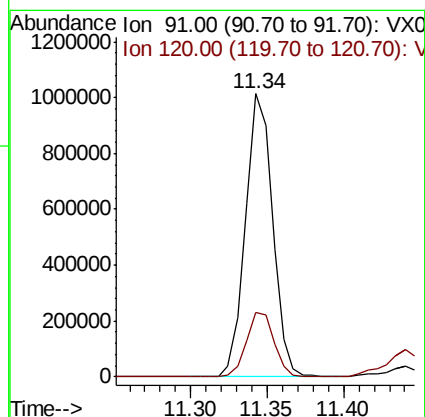
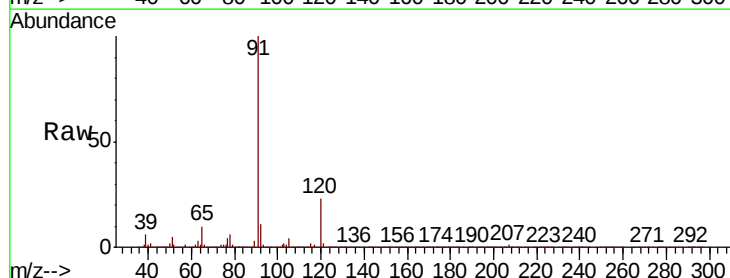
Acq: 23 Apr 2020 14:23

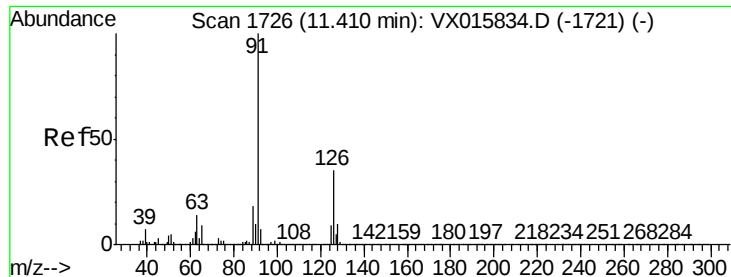
Tgt Ion: 91 Resp: 1251006

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.1





#79

2-Chlorotoluene

Concen: 1.731 ug/l

RT: 11.44 min Scan# 1731

Delta R.T. 0.03 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

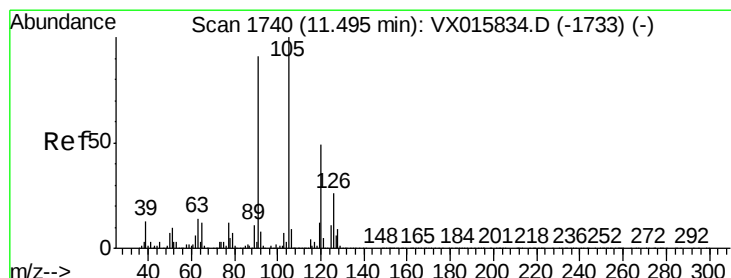
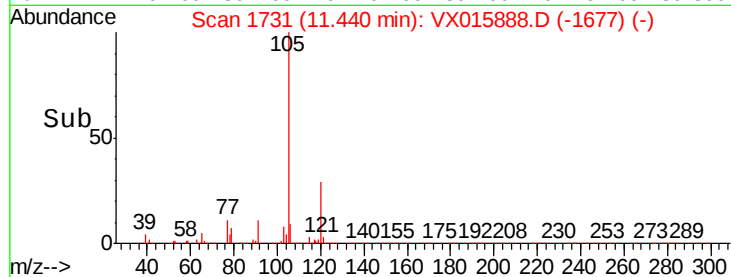
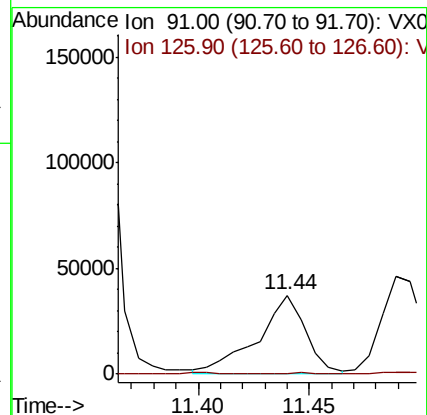
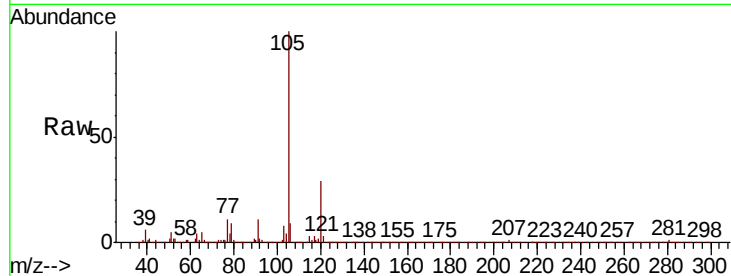
KY001MW079-200421DL

Tot Ion: 91 Resp: 54970

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 13.885 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015888.D

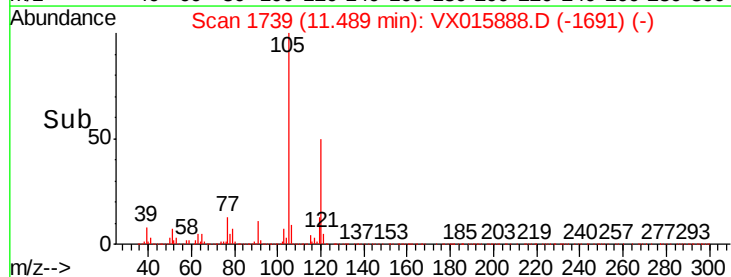
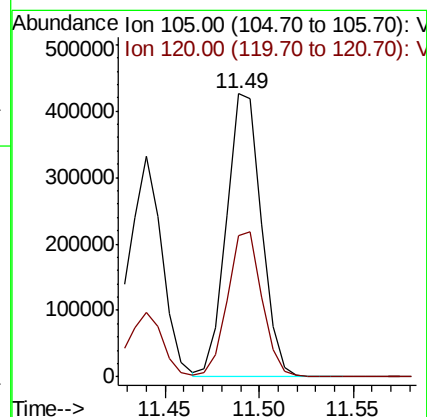
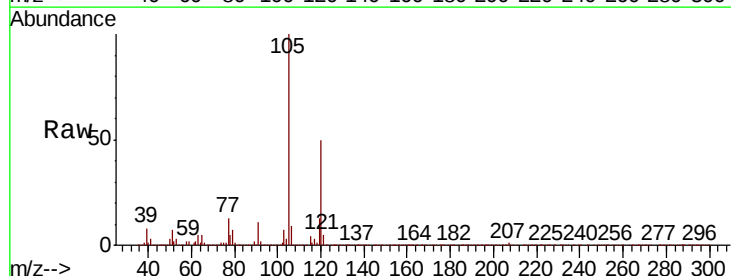
Acq: 23 Apr 2020 14:23

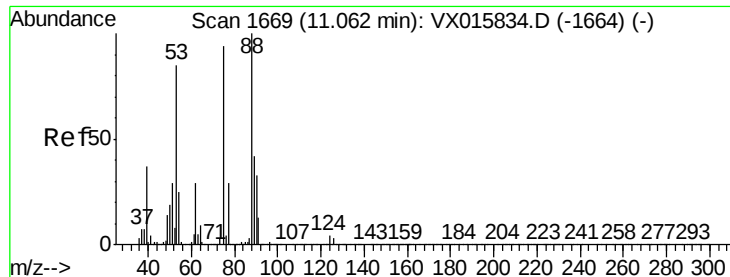
Tgt Ion: 105 Resp: 546319

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 1.948 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.06 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

KY001MW079-200421DL

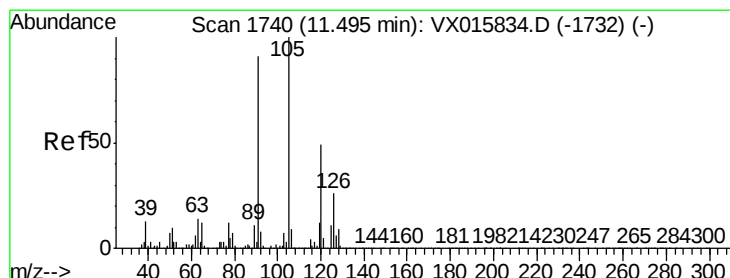
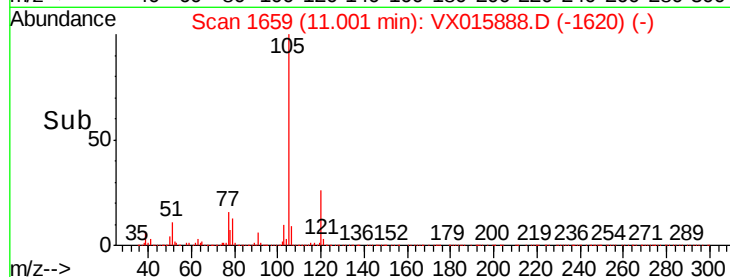
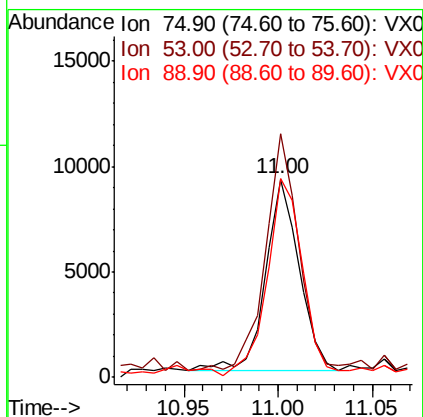
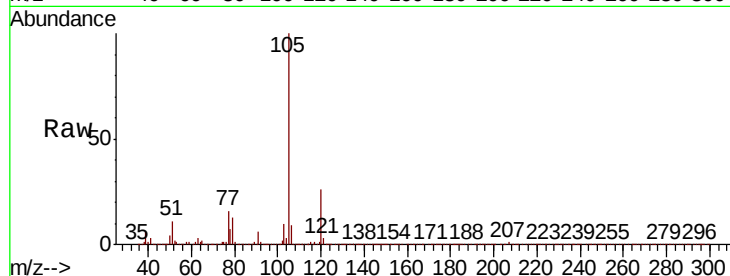
Tot Ion: 75 Resp: 11189

Ion Ratio Lower Upper

75 100

53 120.2 74.2 111.2#

89 109.0 38.0 57.0#



#82

4-Chlorotoluene

Concen: 1.552 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015888.D

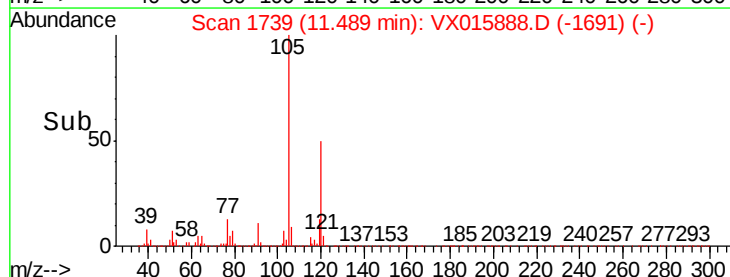
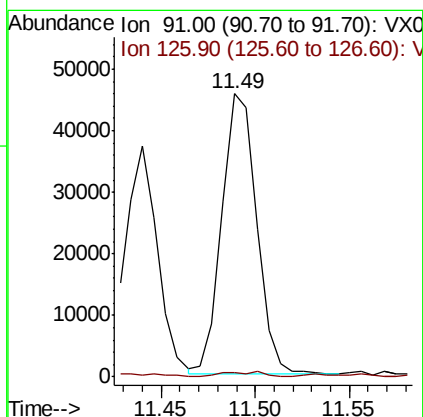
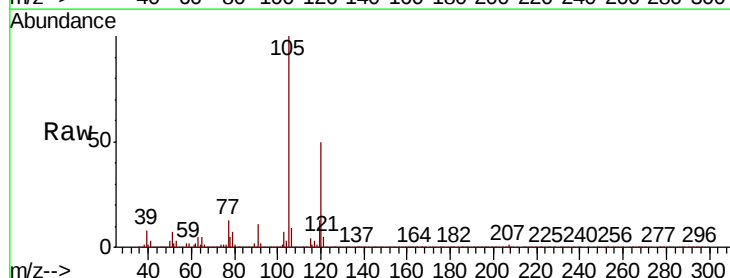
Acq: 23 Apr 2020 14:23

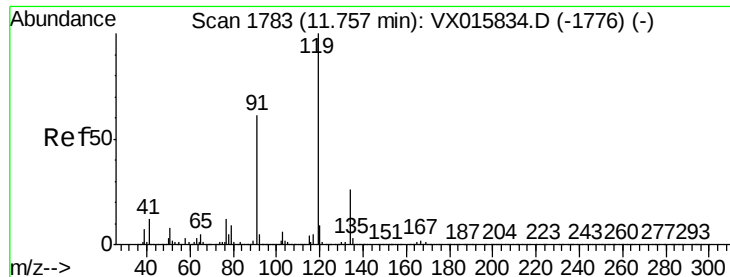
Tgt Ion: 91 Resp: 58578

Ion Ratio Lower Upper

91 100

126 2.3 15.0 45.0#

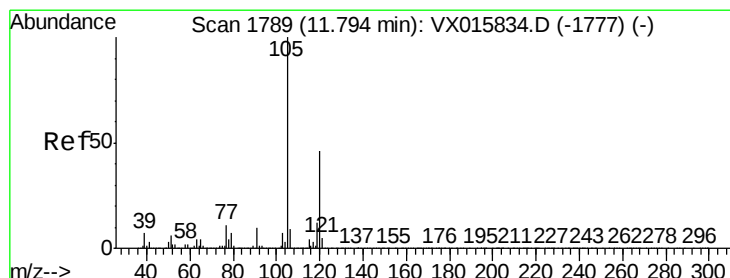
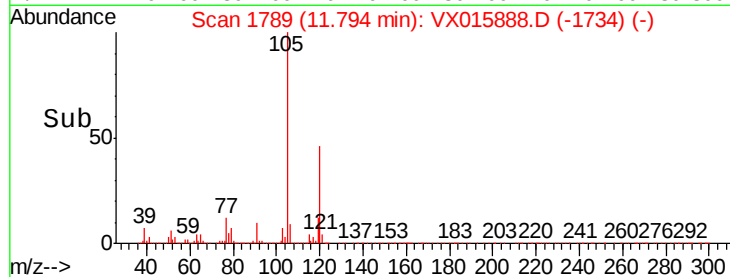
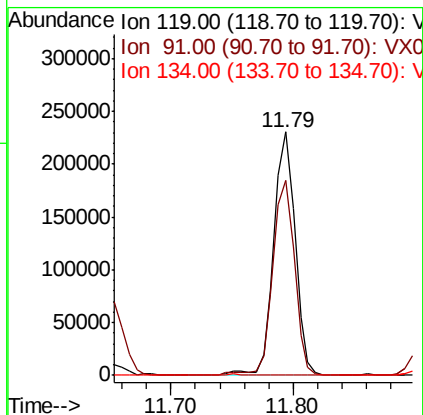
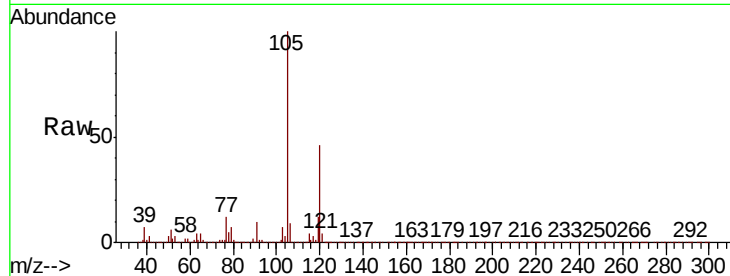




#83  
tert-Butylbenzene  
Concen: 8.009 ug/l  
RT: 11.79 min Scan# 1789  
Delta R.T. 0.04 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

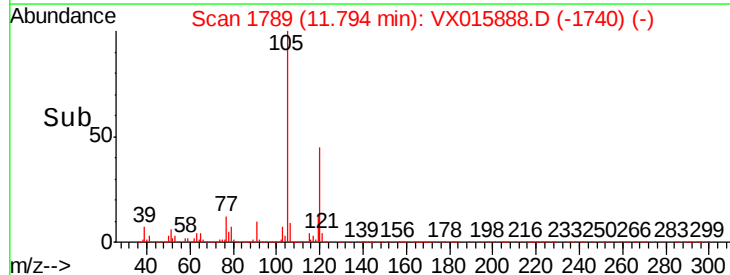
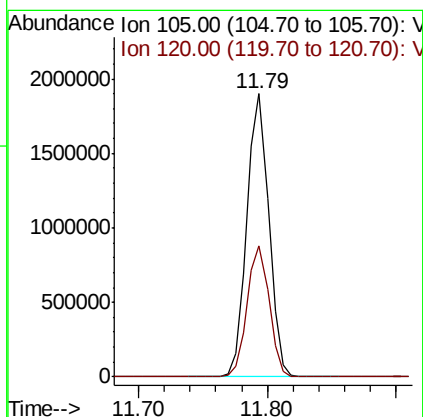
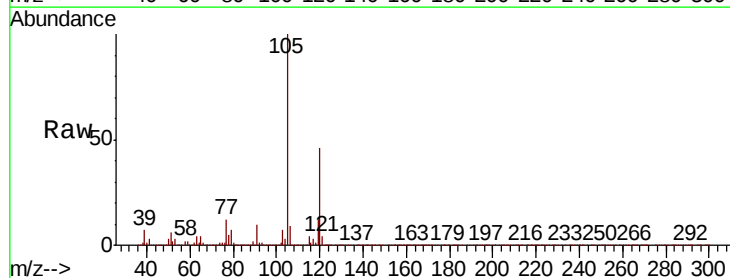
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY001MW079-200421DL

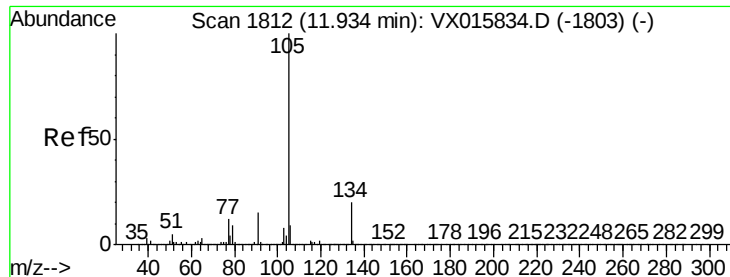
Tot Ion:119 Resp: 279526  
Ion Ratio Lower Upper  
119 100  
91 80.0 30.9 92.7  
134 0.1 12.4 37.2#



#84  
1,2,4-Trimethylbenzene  
Concen: 54.226 ug/l  
RT: 11.79 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

Tgt Ion:105 Resp: 2215099  
Ion Ratio Lower Upper  
105 100  
120 46.6 22.9 68.7





#85

sec-Butylbenzene

Concen: 48.145 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. -0.14 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

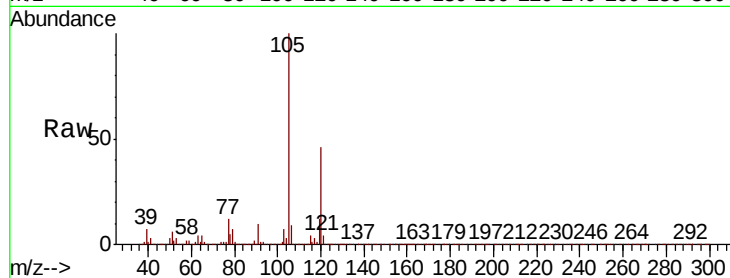
KY001MW079-200421DL

Tot Ion:105 Resp: 2215099

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.79

2000000

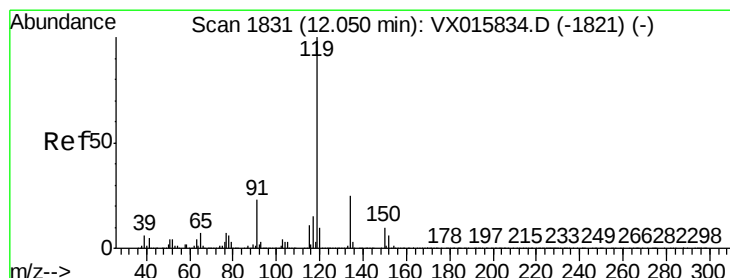
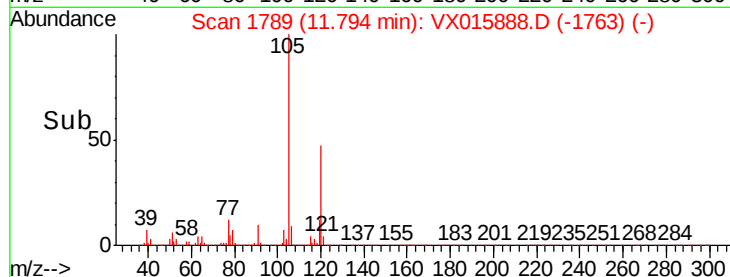
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.439 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015888.D

Acq: 23 Apr 2020 14:23

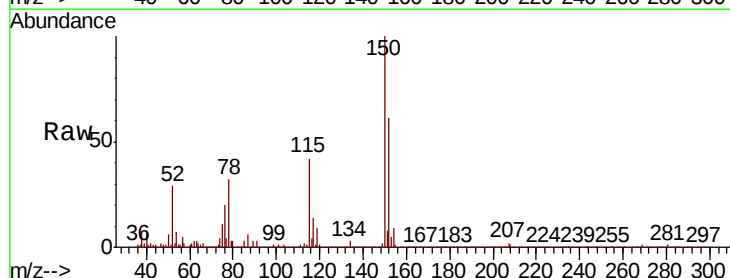
Tgt Ion:119 Resp: 18890

Ion Ratio Lower Upper

119 100

134 32.7 13.0 38.9

91 0.0 11.5 34.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

60000

50000

40000

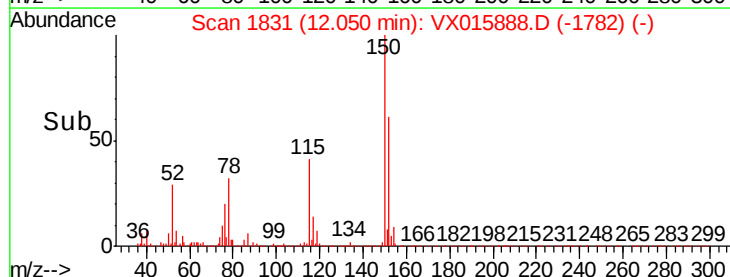
30000

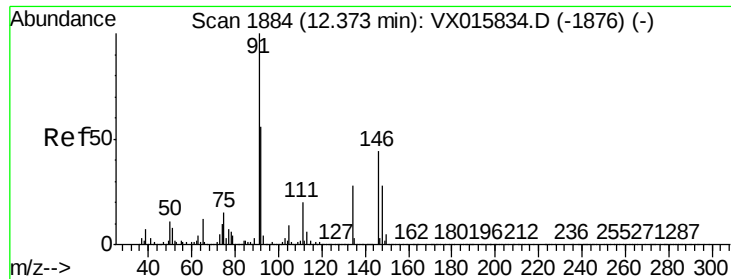
20000

10000

0

Time-->

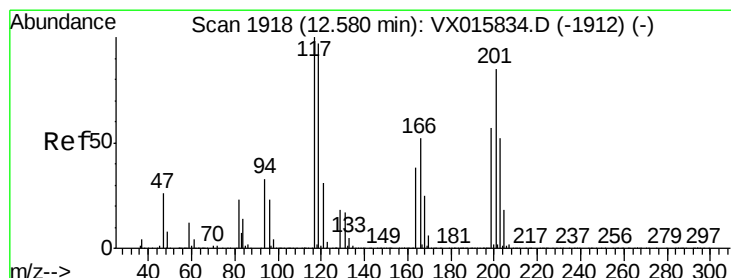
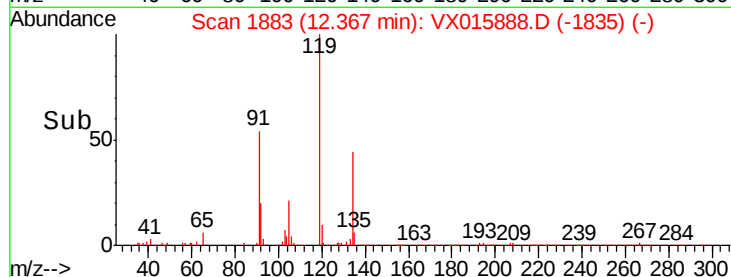
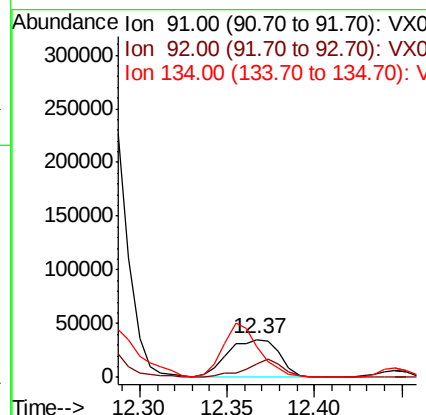
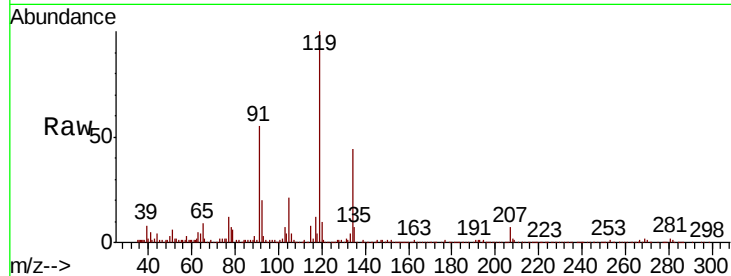




#89  
n-Butylbenzene  
Concen: 1.850 ug/l  
RT: 12.37 min Scan# 1883  
Delta R.T. -0.01 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

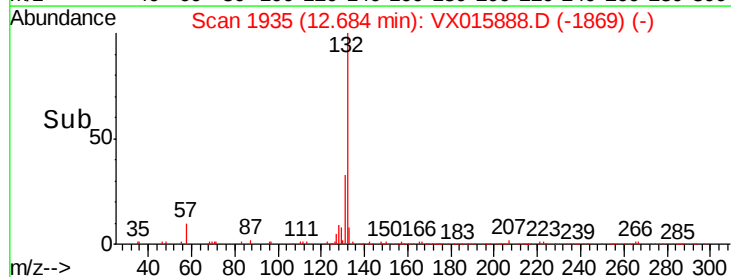
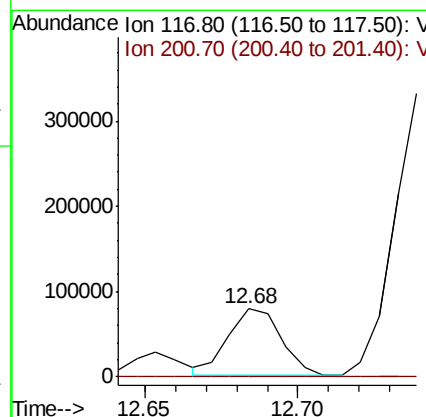
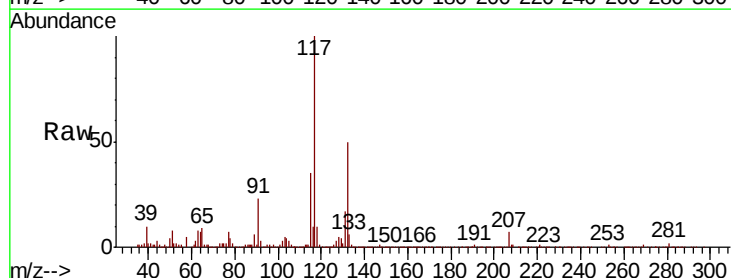
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY001MW079-200421DL

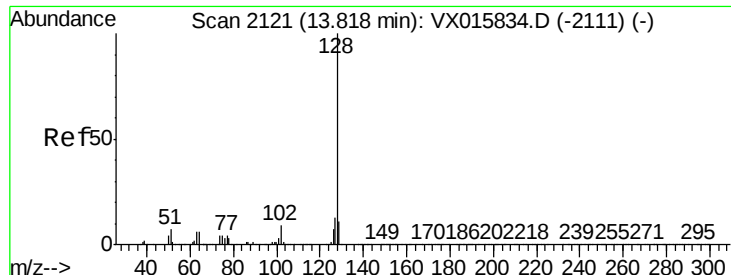
Tot Ion: 91 Resp: 71152  
Ion Ratio Lower Upper  
91 100  
92 32.6 27.7 83.1  
134 101.2 14.1 42.4#



#90  
Hexachloroethane  
Concen: 20.250 ug/l  
RT: 12.68 min Scan# 1935  
Delta R.T. 0.10 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

Tgt Ion: 117 Resp: 92033  
Ion Ratio Lower Upper  
117 100  
201 0.0 45.6 136.9#

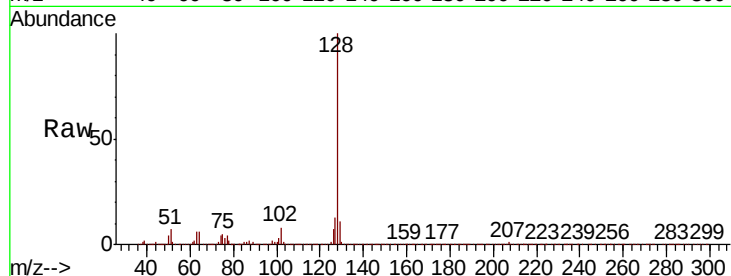




#95  
Naphthalene  
Concen: 13.272 ug/l  
RT: 13.82 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: VX015888.D  
Acq: 23 Apr 2020 14:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY001MW079-200421DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.5  | 15.7  |
| 129     | 10.9  | 8.5   | 12.7  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

