

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\  
 Data File : VX017460.D  
 Acq On : 21 Jul 2020 17:10  
 Operator : JC/SP  
 Sample : MDL06  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL06

Quant Time: Jul 22 06:22:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 06:14:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 364194   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 344964   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 163045   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 124373   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.60%  |
| 7) Chloroethane-d5             | 1.69   | 69    | 88771    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 188490   | 3.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.40%  |
| 20) 2-Butanone-d5              | 4.53   | 46    | 258875   | 48.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.84%  |
| 24) Chloroform-d               | 5.14   | 84    | 228238   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 122559   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40%  |
| 32) Benzene-d6                 | 6.05   | 84    | 436028   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 132743   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.60% |
| 41) Toluene-d8                 | 8.70   | 98    | 402412   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 55686    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.00% |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 197328   | 50.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.92% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 88807    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.40%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 146545   | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.20% |

## Target Compounds

|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 10525 | 0.263 ug/L   | 100    |
| 3) Chloromethane               | 1.31 | 50  | 8170  | 0.219 ug/L   | 96     |
| 6) Bromomethane                | 1.64 | 94  | 4540  | 0.235 ug/L   | 96     |
| 8) Chloroethane                | 1.71 | 64  | 4639  | 0.238 ug/L   | 91     |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 11532 | 0.226 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101 | 8832  | 0.319 ug/L # | 80     |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 8136  | 0.316 ug/L # | 1      |
| 13) Acetone                    | 2.43 | 43  | 10124 | 2.371 ug/L   | 86     |
| 14) Carbon disulfide           | 2.55 | 76  | 20035 | 0.229 ug/L # | 91     |
| 15) Methyl Acetate             | 2.75 | 43  | 3722  | 0.299 ug/L # | 68     |
| 16) Methylene chloride         | 2.83 | 84  | 13448 | 0.380 ug/L   | 94     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73  | 14400 | 0.235 ug/L # | 83     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96  | 7215  | 0.263 ug/L   | 81     |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 11936 | 0.247 ug/L   | 87     |
| 21) 2-Butanone                 | 4.64 | 43  | 17593 | 2.587 ug/L   | 99     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96  | 2662  | 0.098 ug/L # | 62     |
| 23) Bromochloromethane         | 4.98 | 128 | 3836  | 0.293 ug/L # | 76     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\  
 Data File : VX017460.D  
 Acq On : 21 Jul 2020 17:10  
 Operator : JC/SP  
 Sample : MDL06  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL06

Quant Time: Jul 22 06:22:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 06:14:00 2020  
 Response via : Initial Calibration

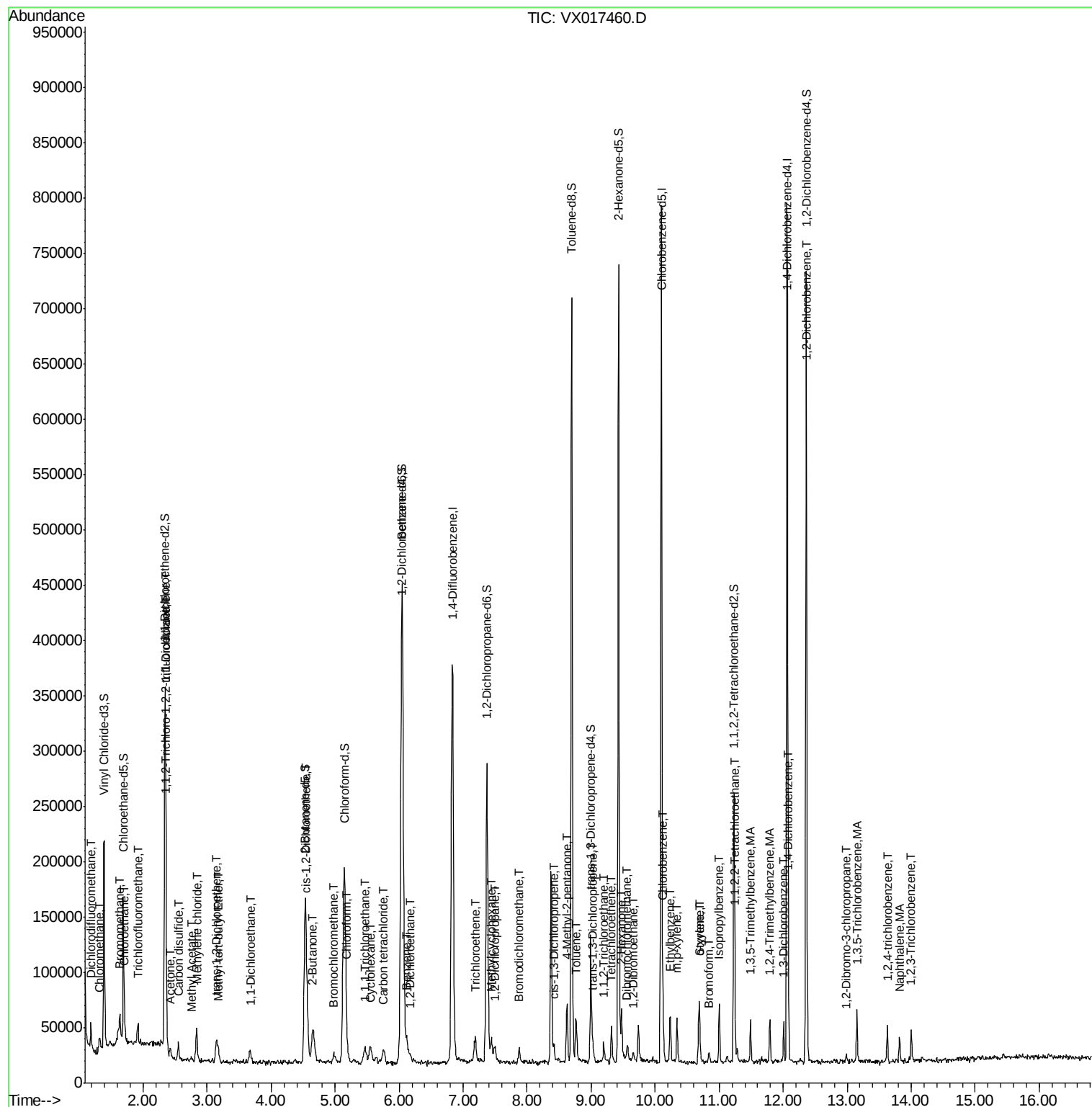
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 25) Chloroform                 | 5.18  | 83   | 16042    | 0.316 | ug/L   | 96       |
| 27) 1,2-Dichloroethane         | 6.17  | 62   | 7823     | 0.240 | ug/L # | 90       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 11549    | 0.249 | ug/L   | 97       |
| 30) Cyclohexane                | 5.56  | 56   | 10288    | 0.275 | ug/L # | 88       |
| 31) Carbon tetrachloride       | 5.76  | 117  | 10611    | 0.254 | ug/L   | 94       |
| 33) Benzene                    | 6.12  | 78   | 23416    | 0.230 | ug/L   | 100      |
| 34) Trichloroethene            | 7.19  | 95   | 6795     | 0.248 | ug/L # | 84       |
| 35) Methylcyclohexane          | 7.44  | 83   | 7947     | 0.214 | ug/L # | 80       |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 6500     | 0.254 | ug/L # | 67       |
| 38) Bromodichloromethane       | 7.87  | 83   | 8586     | 0.251 | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 8039     | 0.218 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 31683    | 2.121 | ug/L # | 94       |
| 42) Toluene                    | 8.77  | 91   | 26561    | 0.261 | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 15979    | 0.168 | ug/L   | 91       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 15491    | 0.165 | ug/L   | 97       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 11274    | 0.355 | ug/L   | 90       |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 4803     | 0.275 | ug/L # | 88       |
| 49) Tetrachloroethene          | 9.32  | 164  | 5537     | 0.249 | ug/L   | 97       |
| 50) 2-Hexanone                 | 9.48  | 43   | 24378    | 2.236 | ug/L # | 90       |
| 51) Dibromochloromethane       | 9.56  | 129  | 5398     | 0.225 | ug/L   | 78       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 4634     | 0.268 | ug/L # | 83       |
| 53) Chlorobenzene              | 10.12 | 112  | 17112    | 0.247 | ug/L   | 95       |
| 54) Ethylbenzene               | 10.24 | 91   | 24118    | 0.218 | ug/L   | 99       |
| 55) m,p-xylene                 | 10.34 | 106  | 9386     | 0.213 | ug/L   | 88       |
| 56) o-xylene                   | 10.68 | 106  | 8645     | 0.202 | ug/L   | 99       |
| 57) Styrene                    | 10.69 | 104  | 13909    | 0.195 | ug/L # | 78       |
| 58) Isopropylbenzene           | 11.00 | 105  | 26041    | 0.235 | ug/L   | 98       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 5260     | 0.253 | ug/L # | 75       |
| 62) Bromoform                  | 10.84 | 173  | 3051     | 0.234 | ug/L   | 91       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 11870    | 0.226 | ug/L   | 97       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 12210    | 0.236 | ug/L   | 92       |
| 66) 1,2-Dichlorobenzene        | 12.37 | 146  | 13023    | 0.268 | ug/L   | 91       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 1733     | 0.405 | ug/L # | 69       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 10412    | 0.236 | ug/L # | 92       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 7254     | 0.225 | ug/L # | 95       |
| 70) Naphthalene                | 13.82 | 128  | 11369    | 0.201 | ug/L # | 87       |
| 71) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 6470     | 0.217 | ug/L   | 97       |

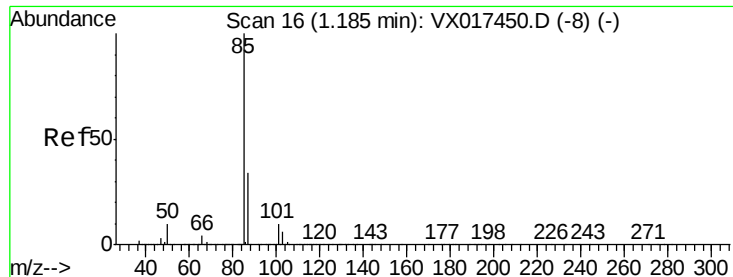
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\  
Data File : VX017460.D  
Acq On : 21 Jul 2020 17:10  
Operator : JC/SP  
Sample : MDL06  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL06

Quant Time: Jul 22 06:22:41 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR072120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 22 06:14:00 2020  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.263 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampled :

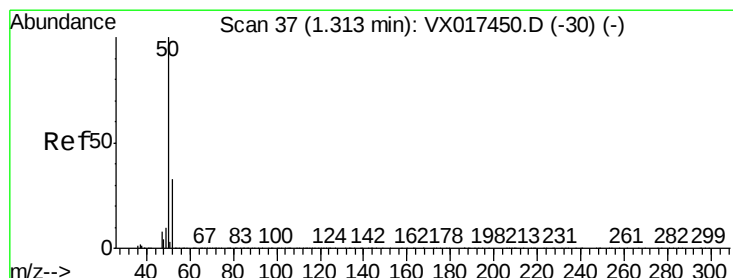
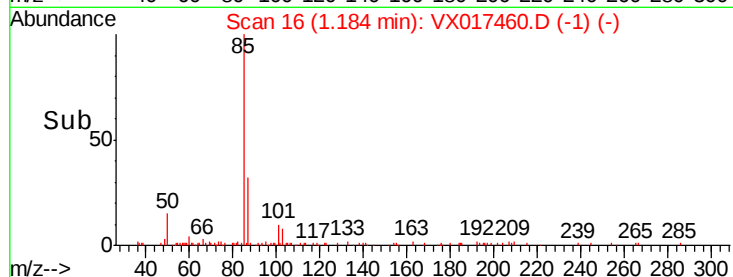
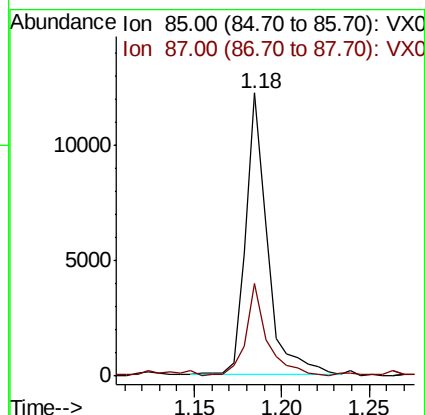
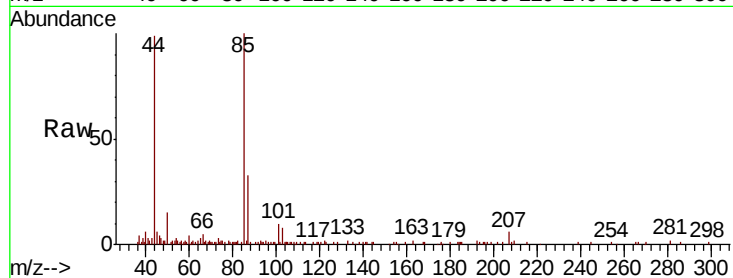
MDL06

Tot Ion: 85 Resp: 10525

Ion Ratio Lower Upper

85 100

87 32.4 26.1 39.1



#3

Chloromethane

Concen: 0.219 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017460.D

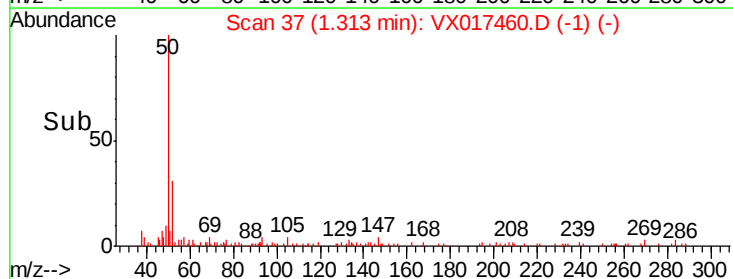
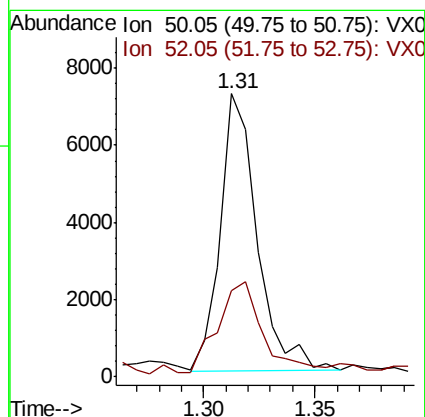
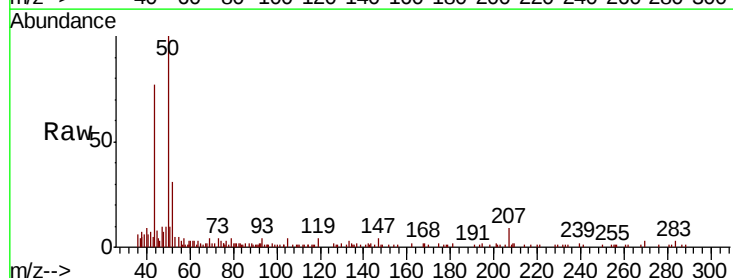
Acq: 21 Jul 2020 17:10

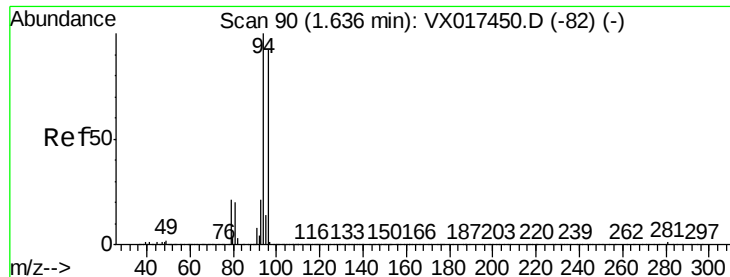
Tgt Ion: 50 Resp: 8170

Ion Ratio Lower Upper

50 100

52 30.7 23.2 43.2





#6

Bromomethane

Concen: 0.235 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampled :

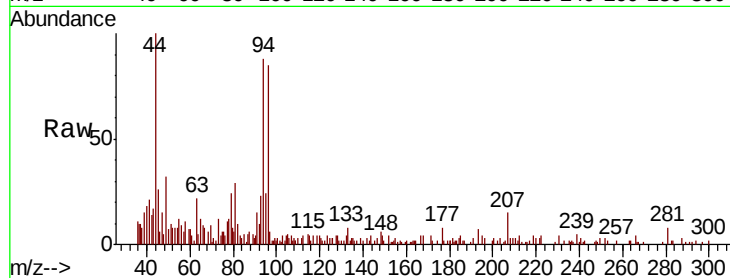
MDL06

Tot Ion: 94 Resp: 4540

Ion Ratio Lower Upper

94 100

96 96.4 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

4000

3000

2000

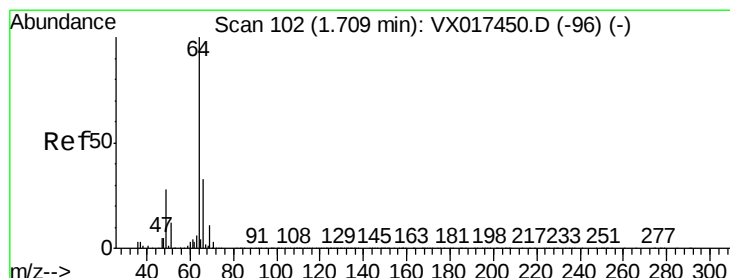
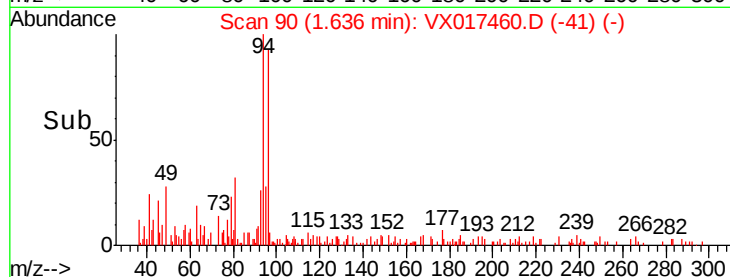
1000

0

1.60

1.65

Time-->



#8

Chloroethane

Concen: 0.238 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017460.D

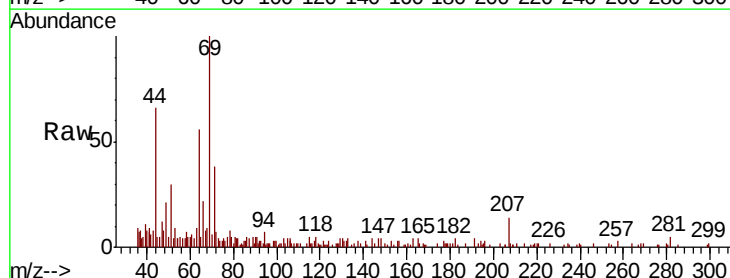
Acq: 21 Jul 2020 17:10

Tgt Ion: 64 Resp: 4639

Ion Ratio Lower Upper

64 100

66 38.2 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

1.71

3000

2000

1000

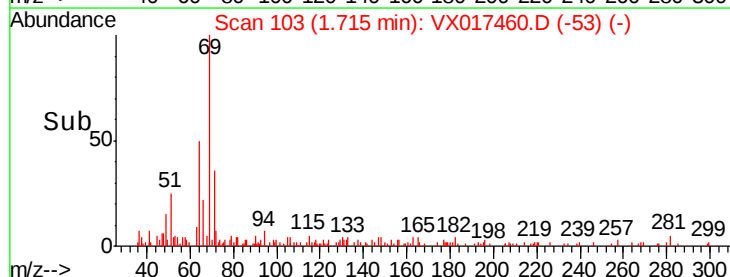
0

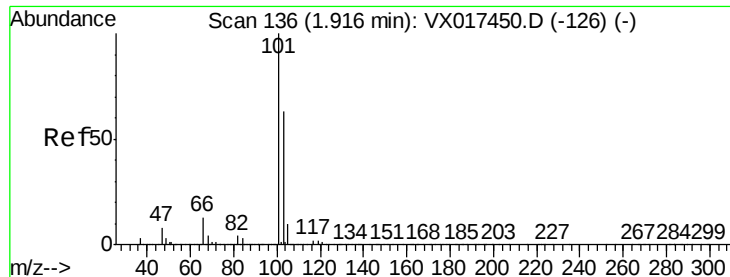
1.65

1.70

1.75

Time-->



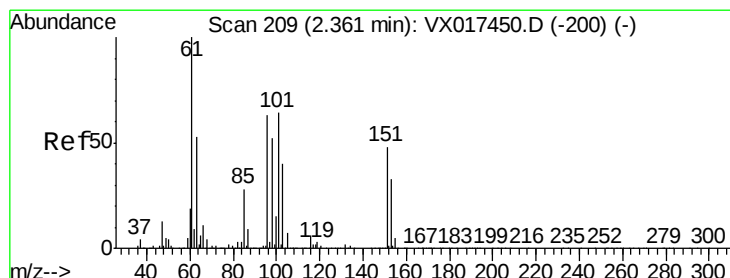
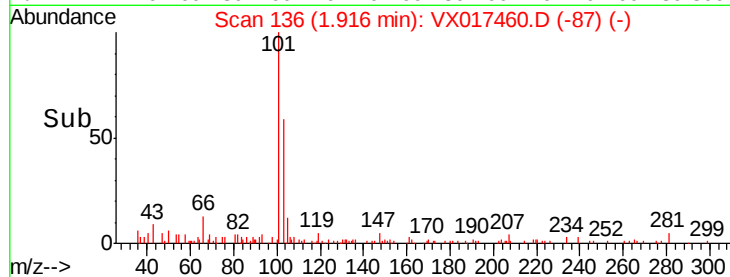
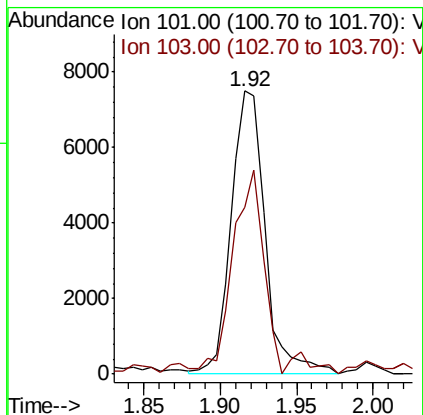
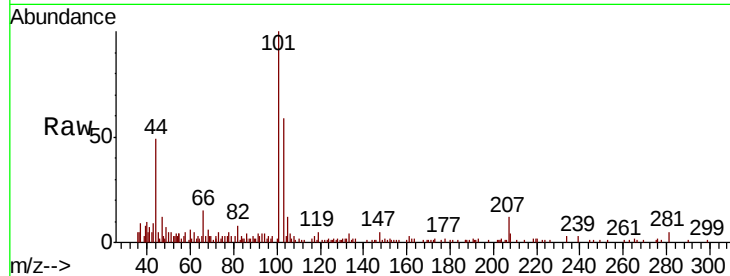


#9

Trichlorofluoromethane  
Concen: 0.226 ug/L  
RT: 1.92 min Scan# 136  
Delta R.T. -0.00 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL06

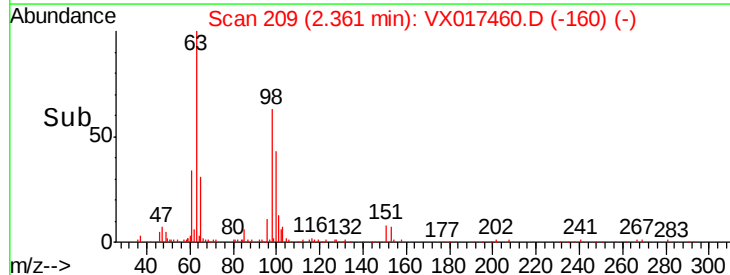
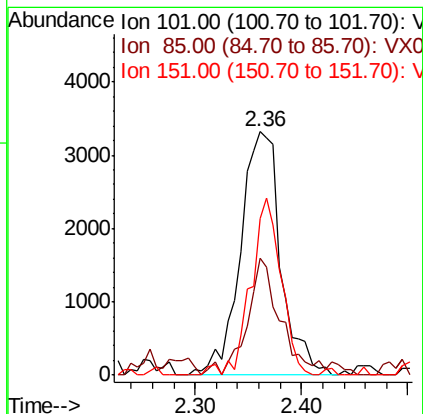
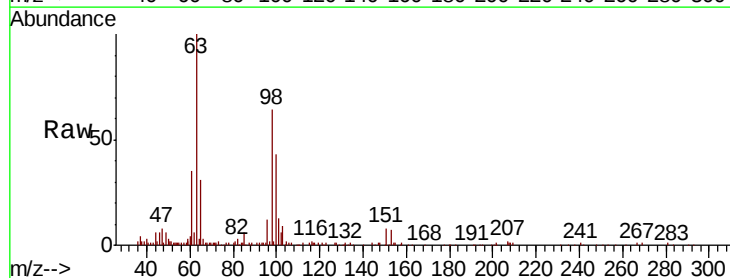
Tot Ion:101 Resp: 11532  
Ion Ratio Lower Upper  
101 100  
103 62.5 51.4 77.2

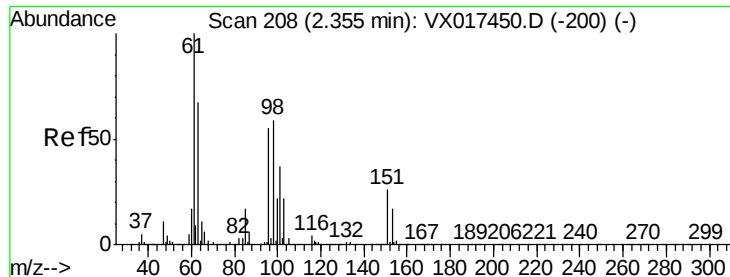


#10

1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.319 ug/L  
RT: 2.36 min Scan# 209  
Delta R.T. -0.00 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

Tgt Ion:101 Resp: 8832  
Ion Ratio Lower Upper  
101 100  
85 39.7 35.3 52.9  
151 53.7 62.3 93.5#





#12

1,1-Dichloroethene

Concen: 0.316 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

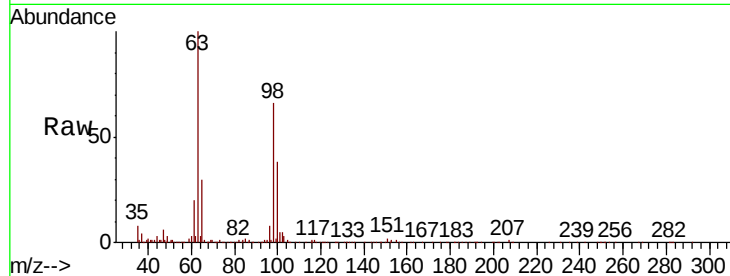
Tot Ion: 96 Resp: 8136

Ion Ratio Lower Upper

96 100

61 238.0 126.5 234.9#

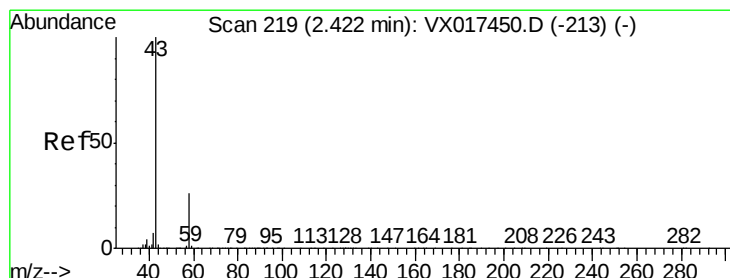
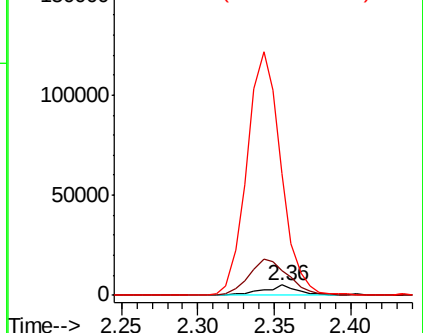
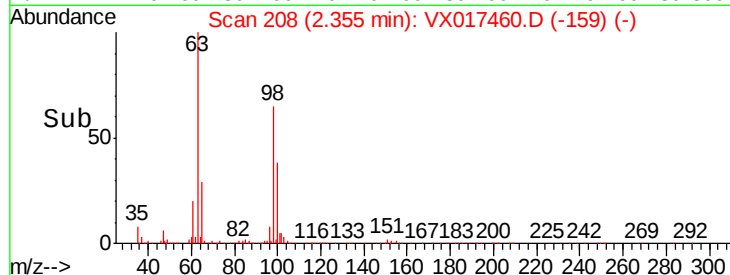
63 1184.1 85.6 159.0#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#13

Acetone

Concen: 2.371 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017460.D

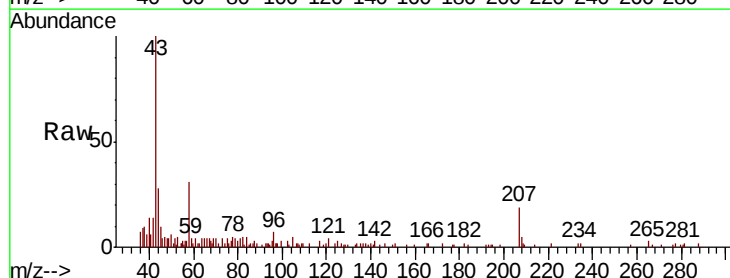
Acq: 21 Jul 2020 17:10

Tgt Ion: 43 Resp: 10124

Ion Ratio Lower Upper

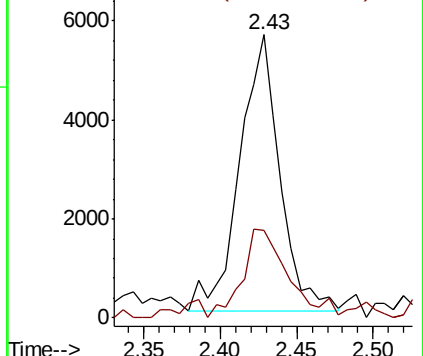
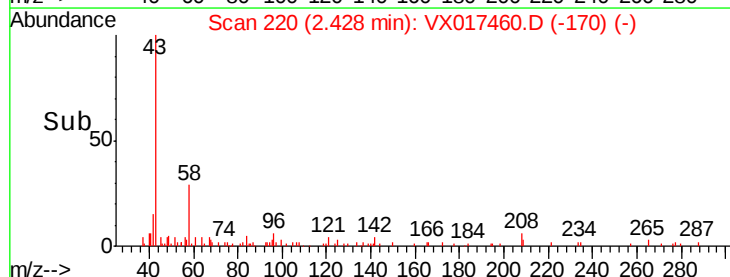
43 100

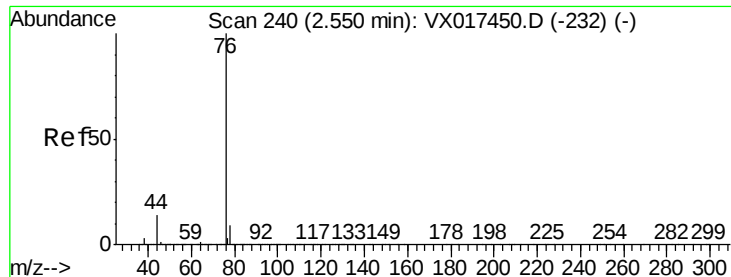
58 36.7 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampled :

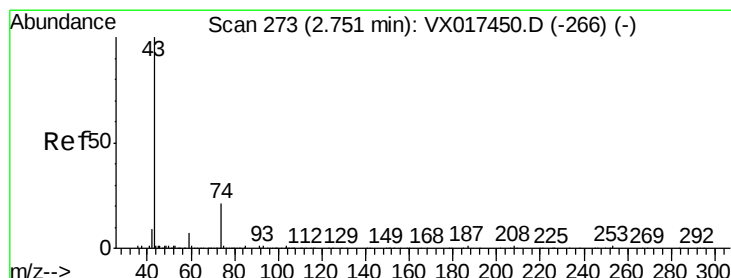
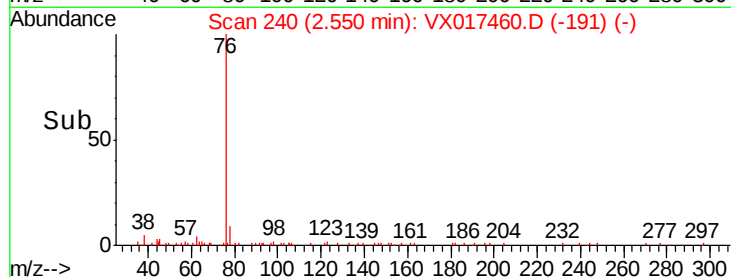
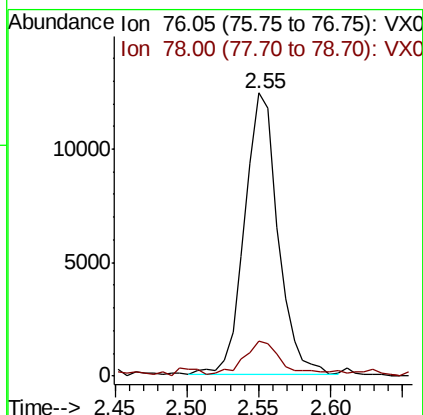
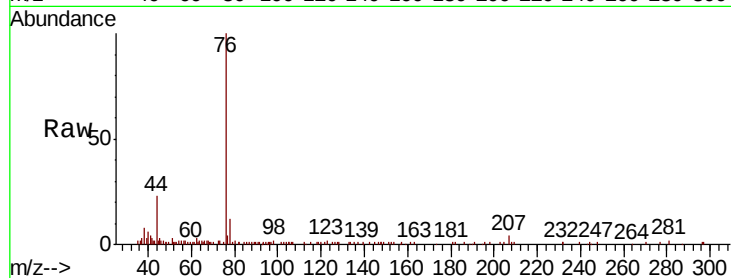
MDL06

Tot Ion: 76 Resp: 20035

Ion Ratio Lower Upper

76 100

78 12.3 7.3 10.9#



#15

Methyl Acetate

Concen: 0.299 ug/L

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017460.D

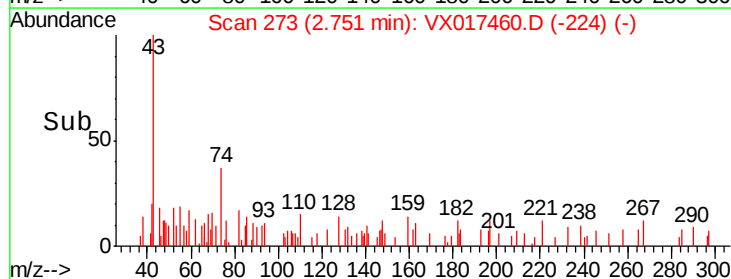
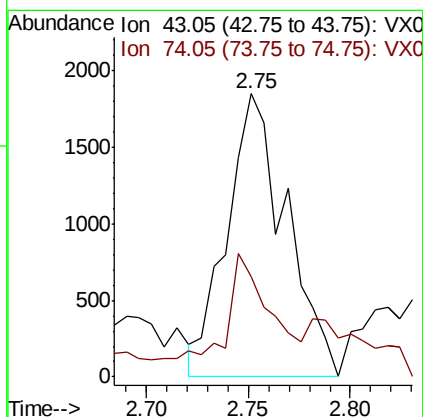
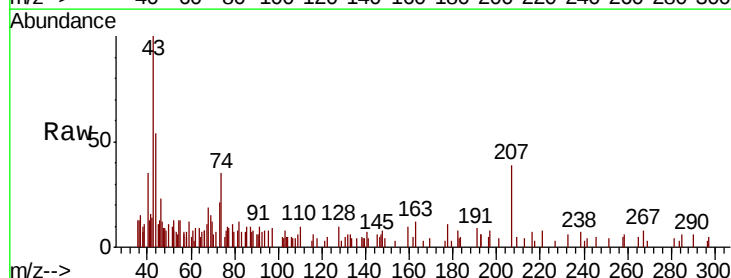
Acq: 21 Jul 2020 17:10

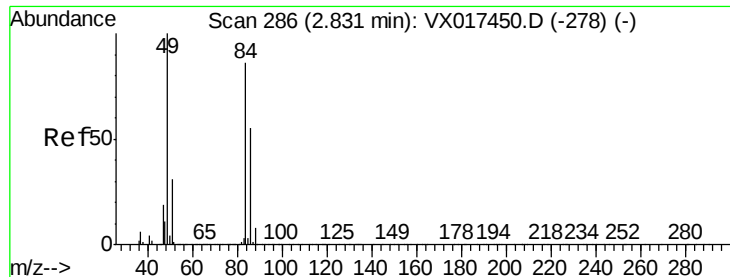
Tgt Ion: 43 Resp: 3722

Ion Ratio Lower Upper

43 100

74 37.3 17.6 26.4#

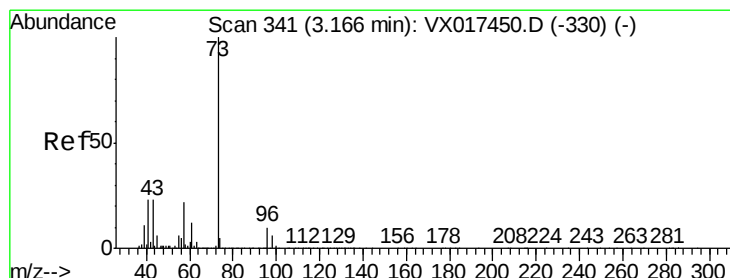
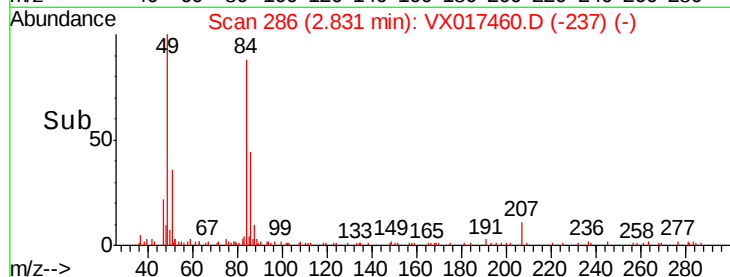
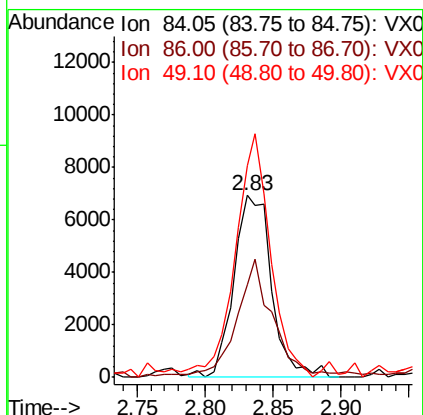
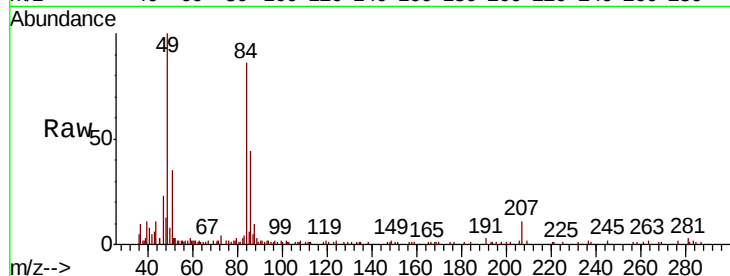




#16  
Methylene chloride  
Concen: 0.380 ug/L  
RT: 2.83 min Scan# 286  
Delta R.T. -0.00 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

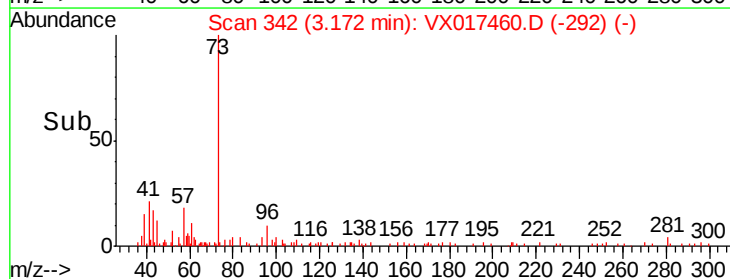
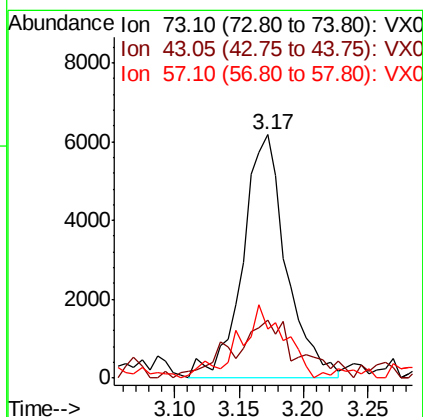
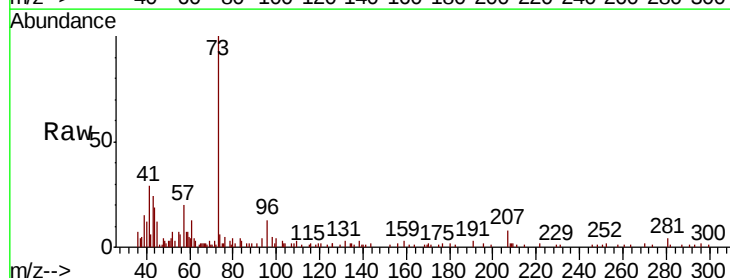
Instrument :  
MSVOA\_X  
ClientSampled :  
MDL06

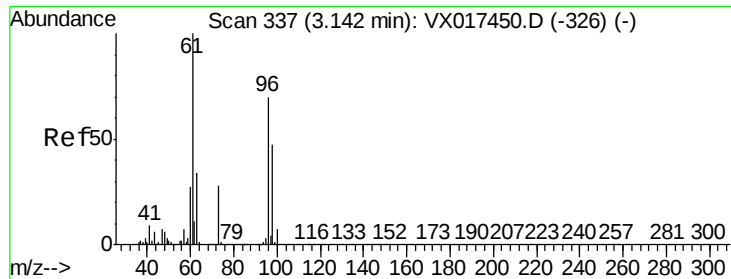
Tot Ion: 84 Resp: 13448  
Ion Ratio Lower Upper  
84 100  
86 51.0 44.8 83.2  
49 115.9 81.0 150.4



#17  
Methyl tert-butyl Ether  
Concen: 0.235 ug/L  
RT: 3.17 min Scan# 342  
Delta R.T. 0.01 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

Tgt Ion: 73 Resp: 14400  
Ion Ratio Lower Upper  
73 100  
43 11.3 17.8 26.6#  
57 27.9 17.8 26.8#

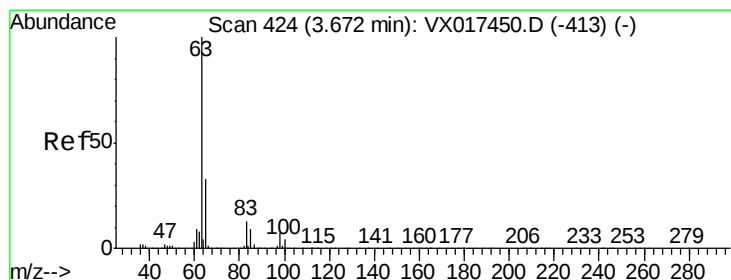
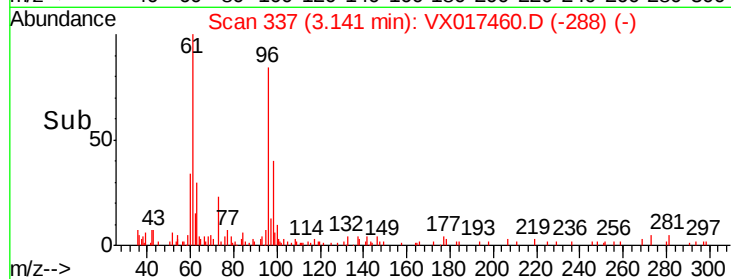
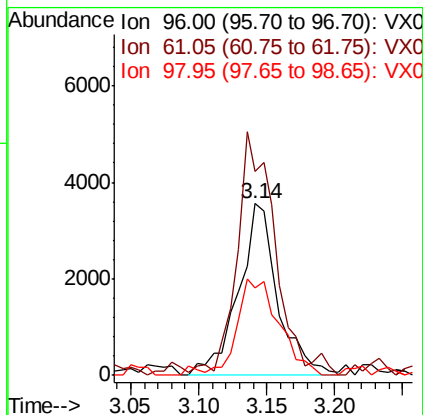
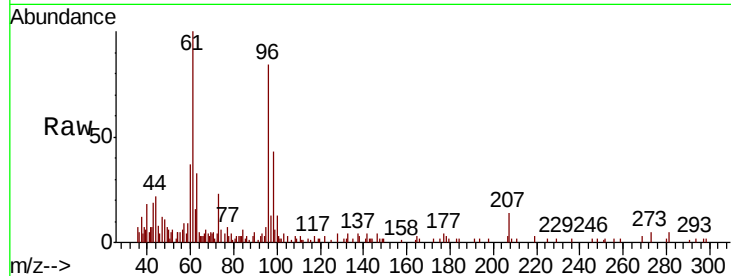




#18  
trans-1,2-Dichloroethene  
Concen: 0.263 ug/L  
RT: 3.14 min Scan# 337  
Delta R.T. -0.00 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

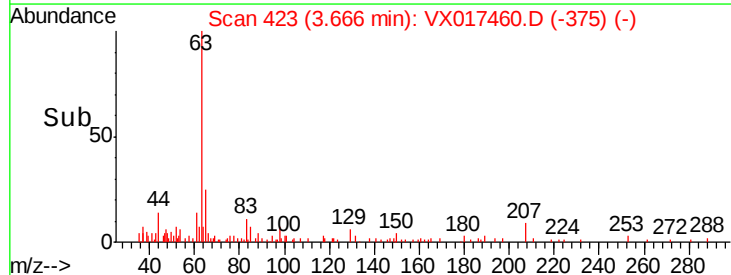
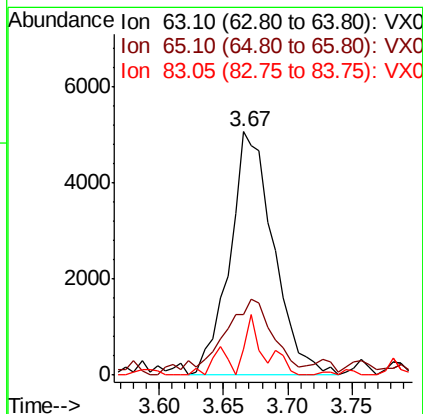
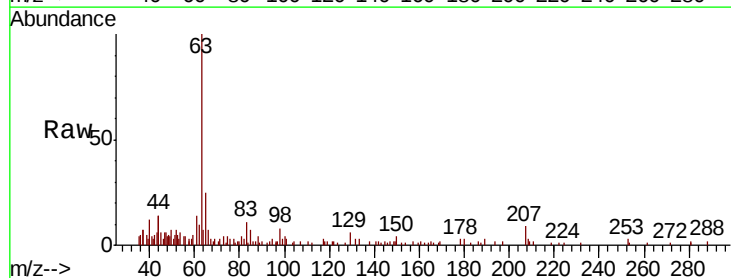
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL06

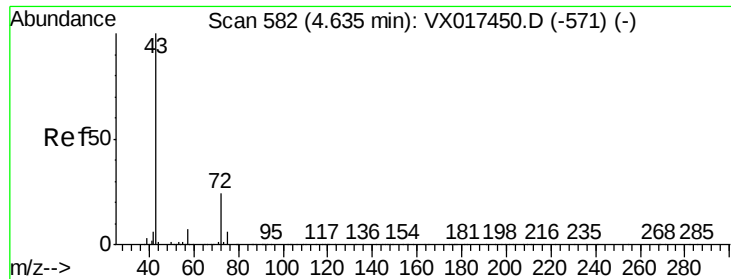
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 119.1 | 99.8  | 185.4 |
| 98      | 51.2  | 46.4  | 86.2  |



#19  
1,1-Dichloroethane  
Concen: 0.247 ug/L  
RT: 3.67 min Scan# 423  
Delta R.T. -0.01 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 24.7  | 23.2  | 43.2  |
| 83      | 10.5  | 9.4   | 17.4  |





#21

2-Butanone

Concen: 2.587 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampled :

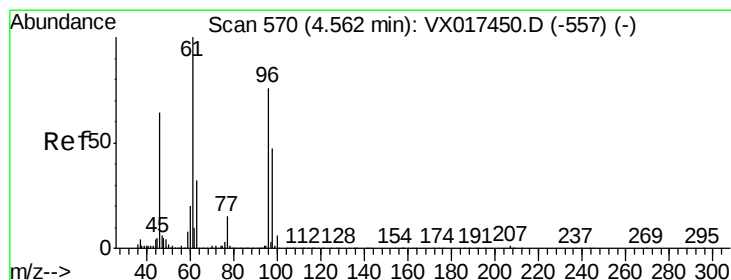
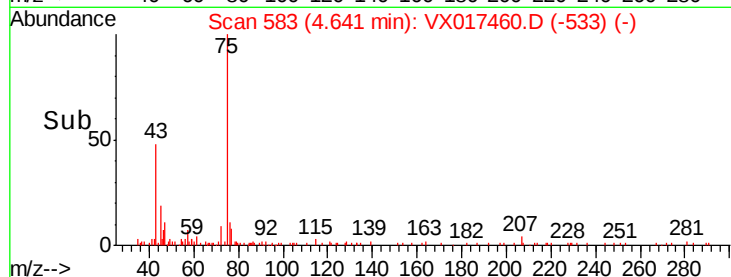
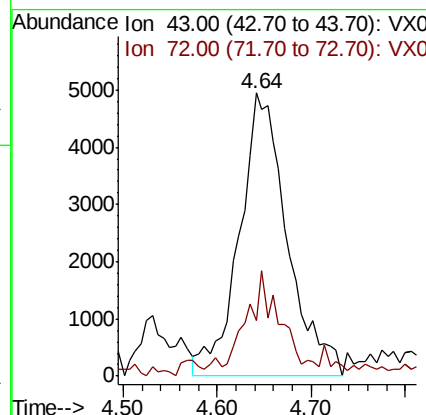
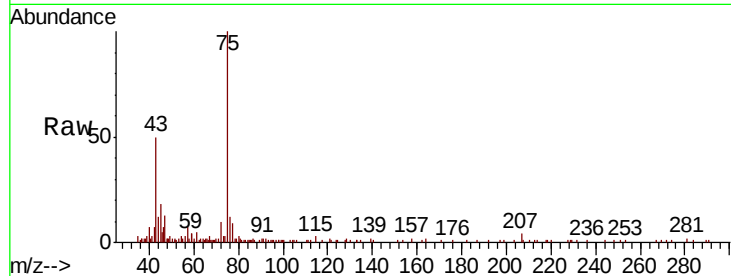
MDL06

Tot Ion: 43 Resp: 17593

Ion Ratio Lower Upper

43 100

72 24.8 12.1 36.3



#22

cis-1,2-Dichloroethene

Concen: 0.098 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

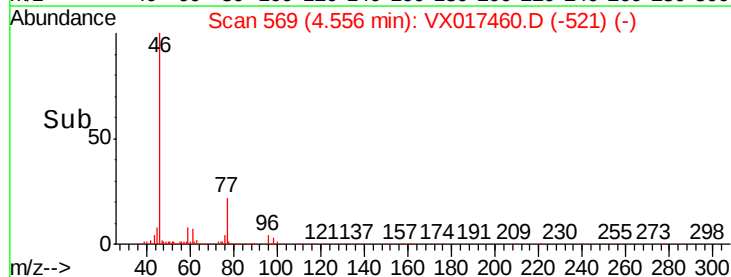
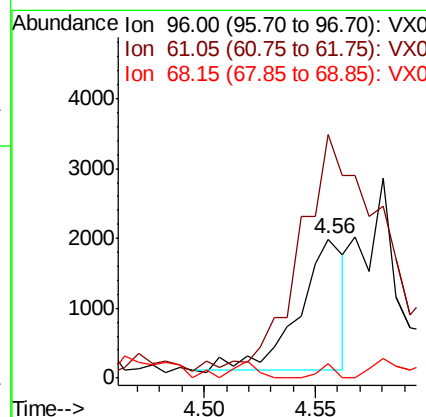
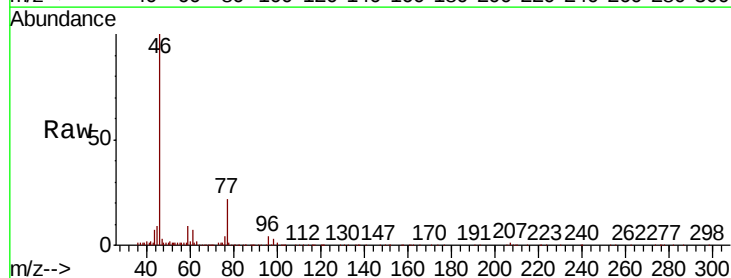
Tgt Ion: 96 Resp: 2662

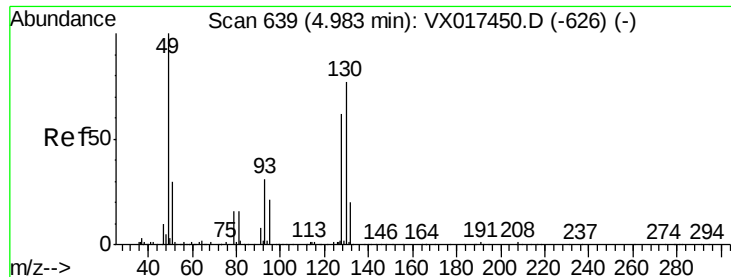
Ion Ratio Lower Upper

96 100

61 175.4 91.6 170.2#

68 10.8 0.0 0.0#





#23

Bromochloromethane

Concen: 0.293 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

Tot Ion:128 Resp: 3836

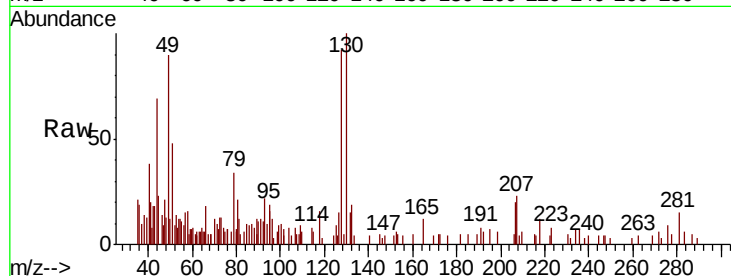
Ion Ratio Lower Upper

128 100

49 111.5 113.3 210.3#

130 109.2 87.3 162.1

51 52.6 39.0 58.6

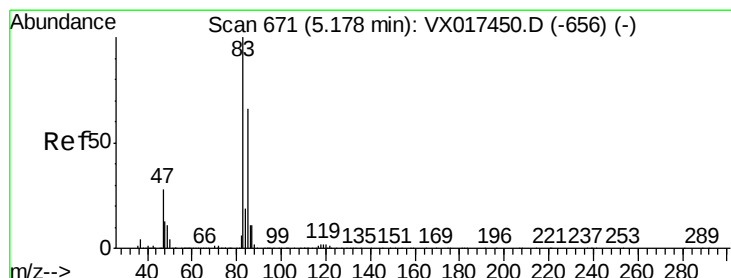
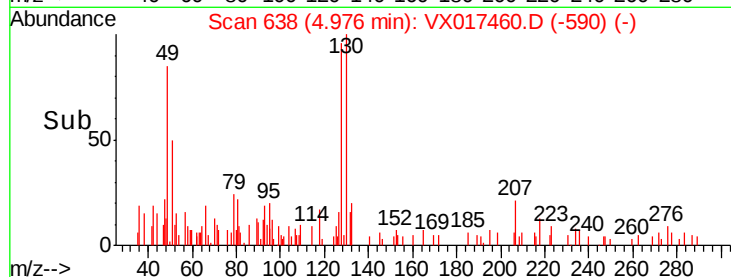
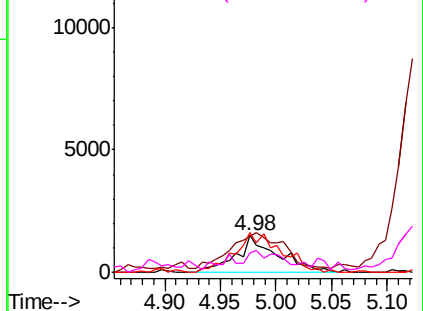


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VX0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VX0



#25

Chloroform

Concen: 0.316 ug/L

RT: 5.18 min Scan# 672

Delta R.T. 0.01 min

Lab File: VX017460.D

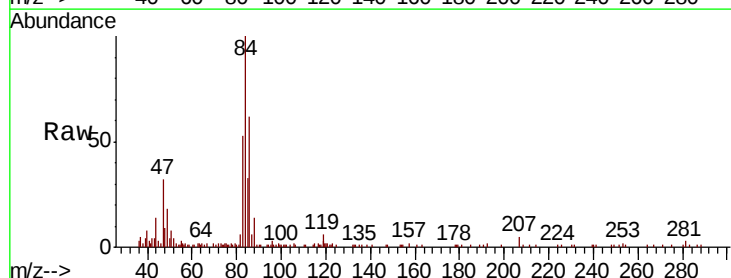
Acq: 21 Jul 2020 17:10

Tgt Ion: 83 Resp: 16042

Ion Ratio Lower Upper

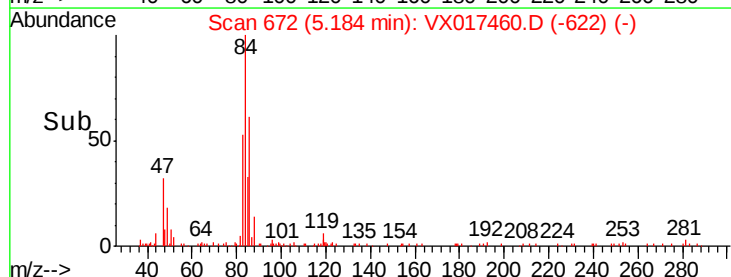
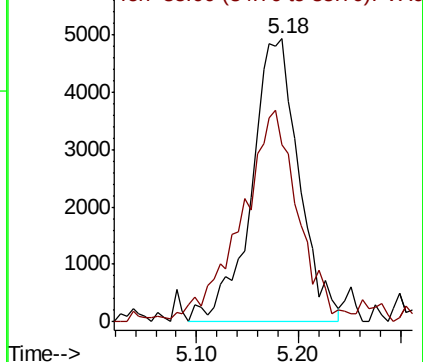
83 100

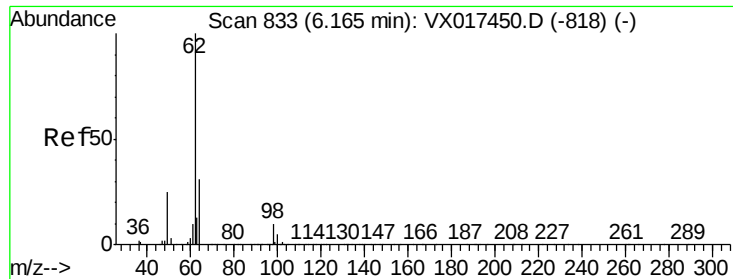
85 62.7 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane

Concen: 0.240 ug/L

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

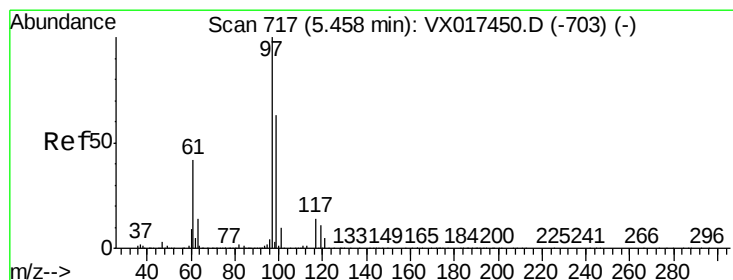
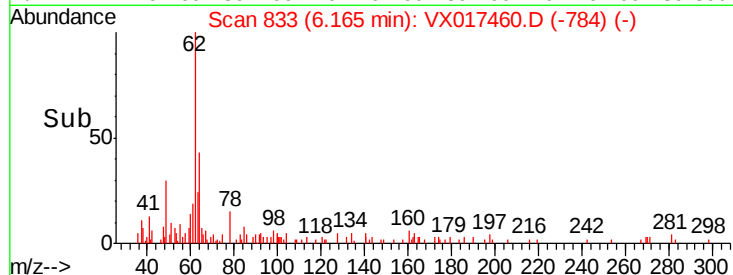
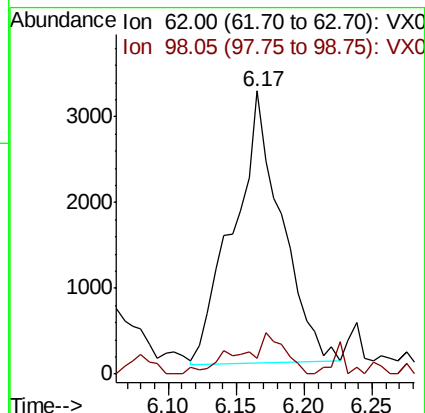
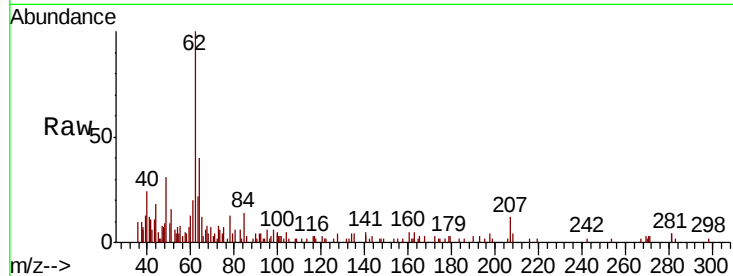
MDL06

Tot Ion: 62 Resp: 7823

Ion Ratio Lower Upper

62 100

98 5.8 7.7 11.5#



#29

1,1,1-Trichloroethane

Concen: 0.249 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

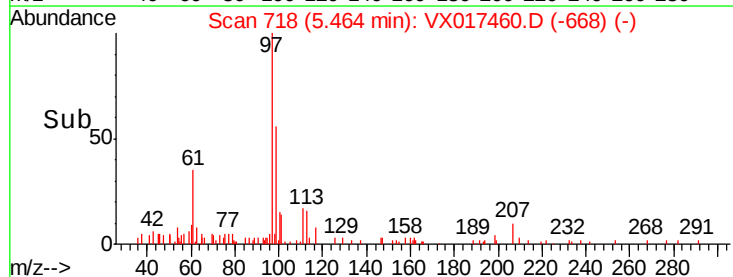
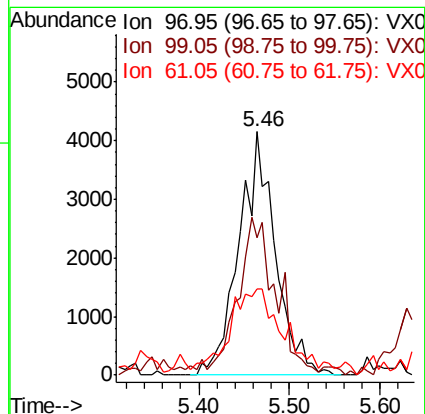
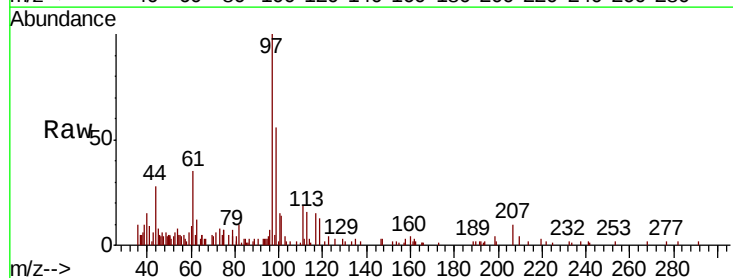
Tgt Ion: 97 Resp: 11549

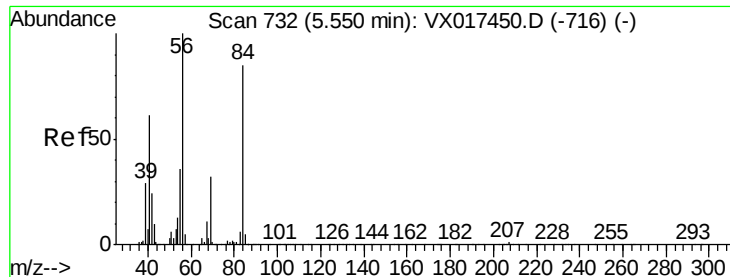
Ion Ratio Lower Upper

97 100

99 69.4 53.0 79.4

61 45.5 35.2 52.8

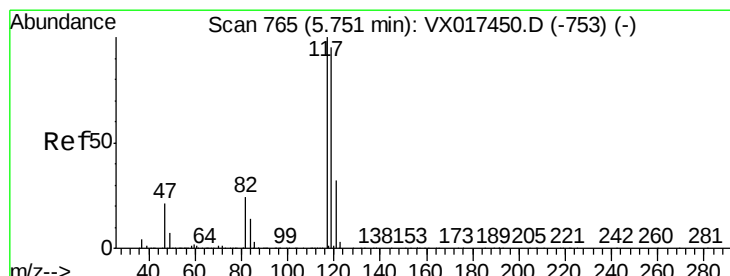
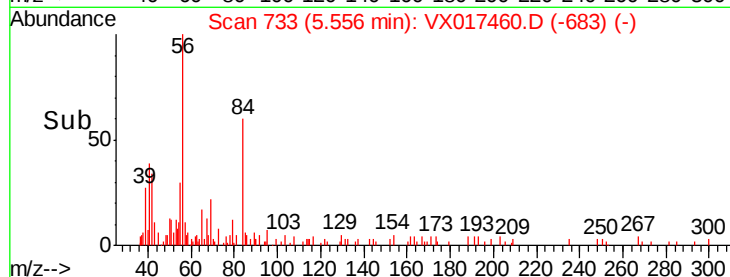
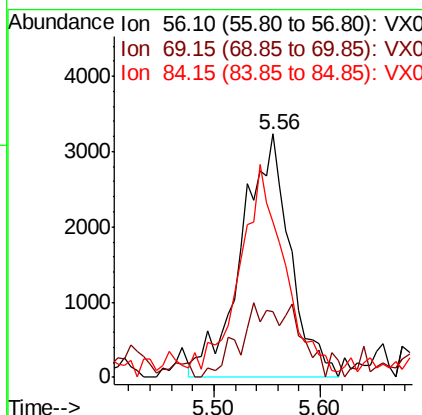
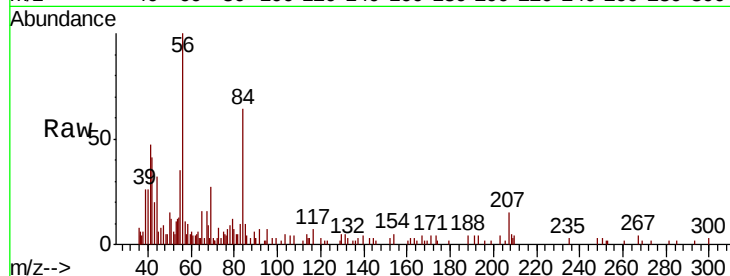




#30  
Cyclohexane  
Concen: 0.275 ug/L  
RT: 5.56 min Scan# 733  
Delta R.T. 0.01 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

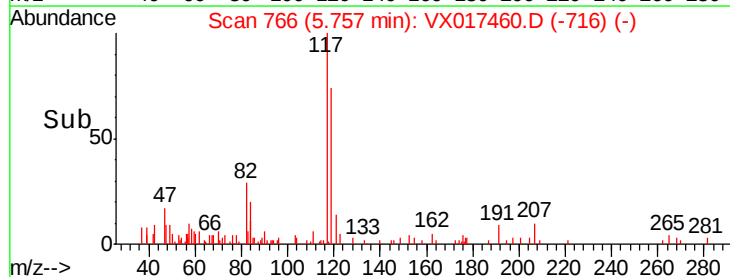
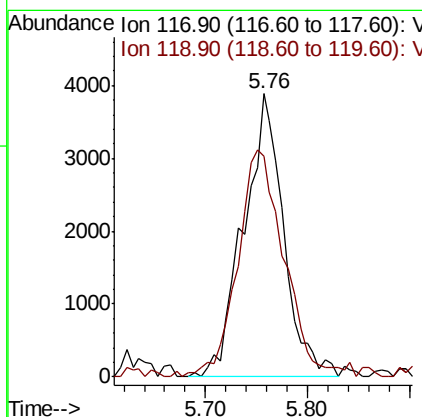
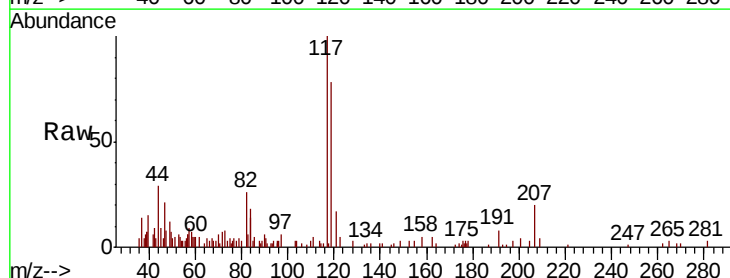
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL06

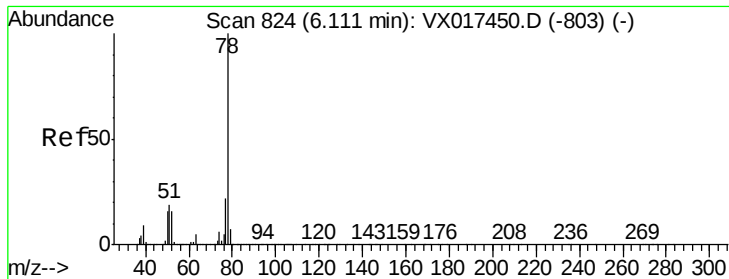
Tot Ion: 56 Resp: 10288  
Ion Ratio Lower Upper  
56 100  
69 23.3 25.4 38.2#  
84 76.6 69.3 103.9



#31  
Carbon tetrachloride  
Concen: 0.254 ug/L  
RT: 5.76 min Scan# 766  
Delta R.T. 0.01 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

Tgt Ion: 117 Resp: 10611  
Ion Ratio Lower Upper  
117 100  
119 92.1 78.5 117.7





#33

Benzene

Concen: 0.230 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

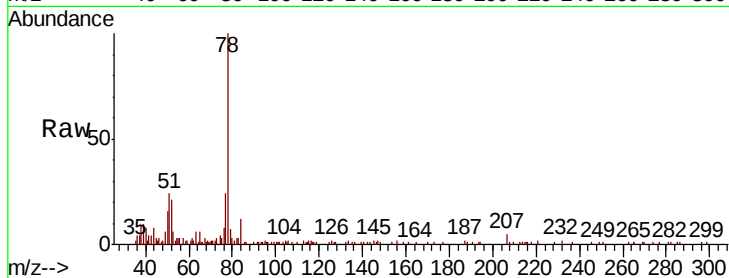
Instrument :

MSVOA\_X

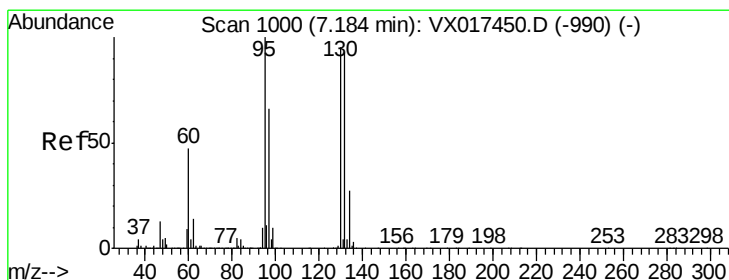
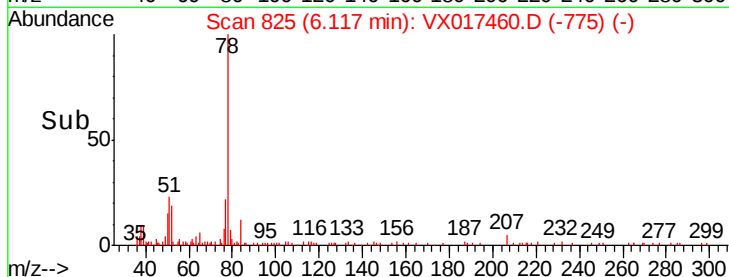
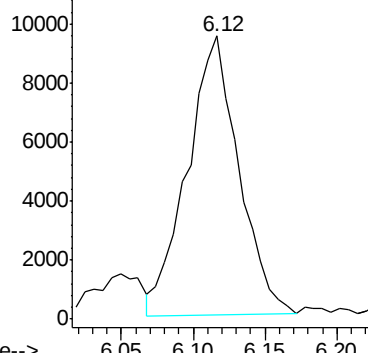
ClientSampleId :

MDL06

Tgt Ion: 78 Resp: 23416



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.248 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Tgt Ion: 95 Resp: 6795

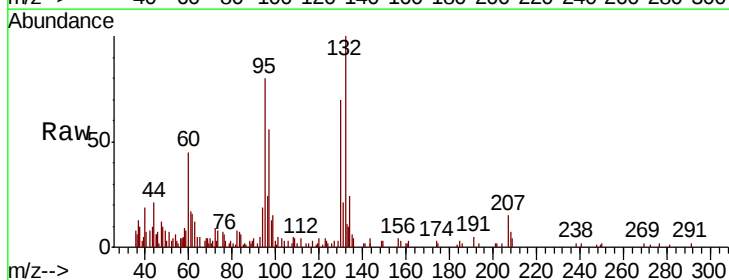
Ion Ratio Lower Upper

95 100

97 69.9 45.9 85.3

132 124.9 65.5 121.7#

130 87.8 66.5 123.5

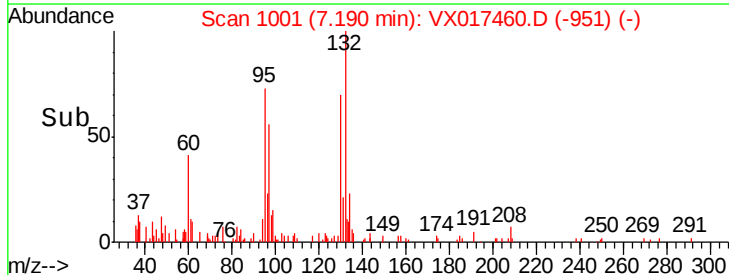
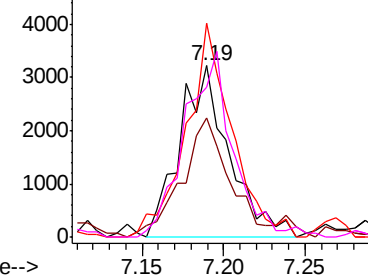


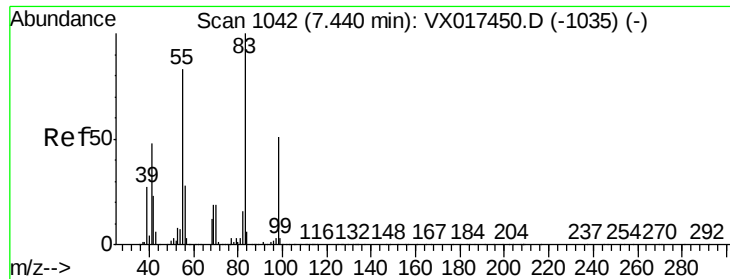
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

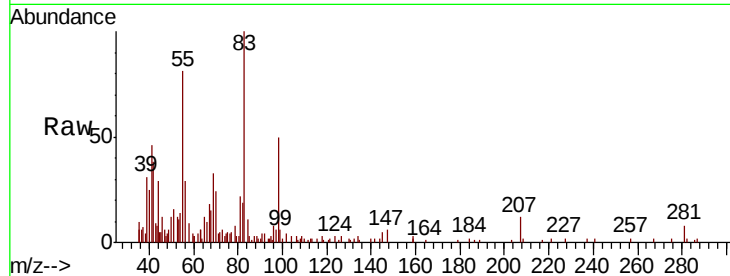




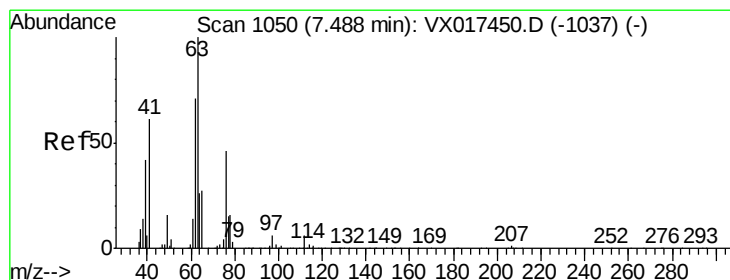
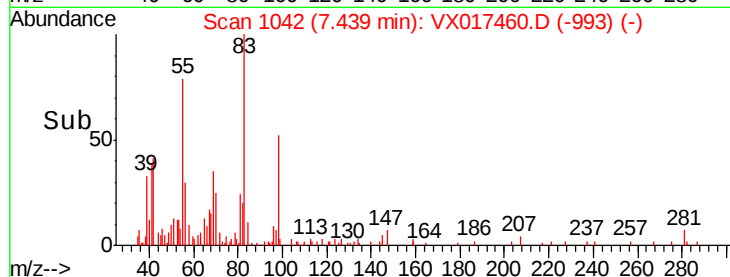
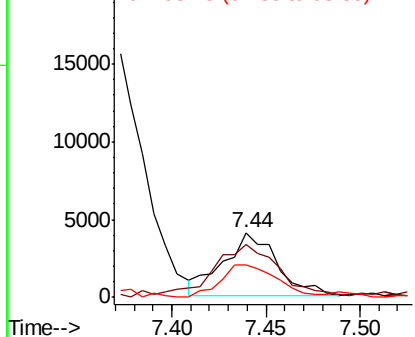
#35  
Methvlcvclohexane  
Concen: 0.214 ug/L  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 106.5 | 65.4  | 98.2# |
| 98      | 54.7  | 39.8  | 59.8  |

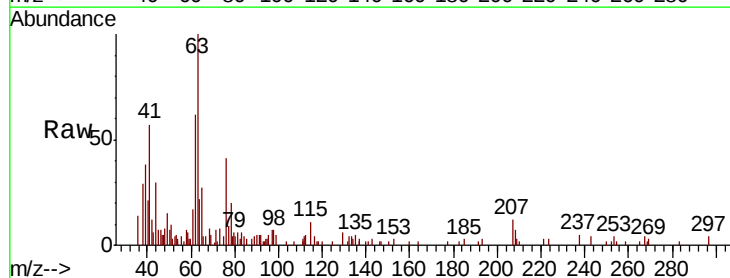


Abundance Ion 83.15 (82.85 to 83.85): VX0  
Ion 55.10 (54.80 to 55.80): VX0  
Ion 98.15 (97.85 to 98.85): VX0

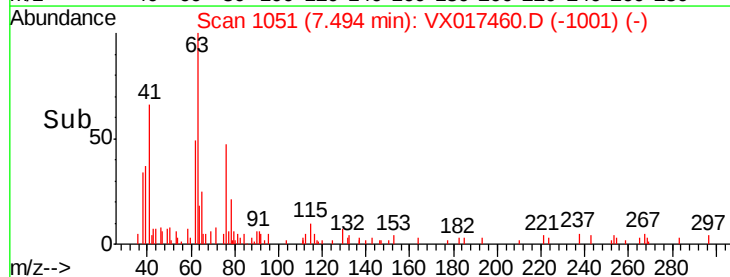
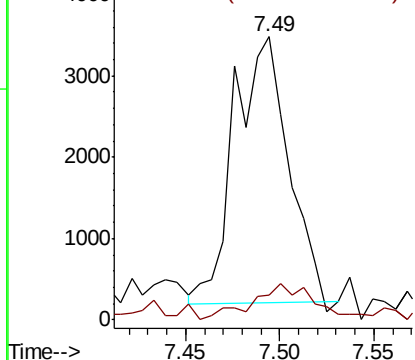


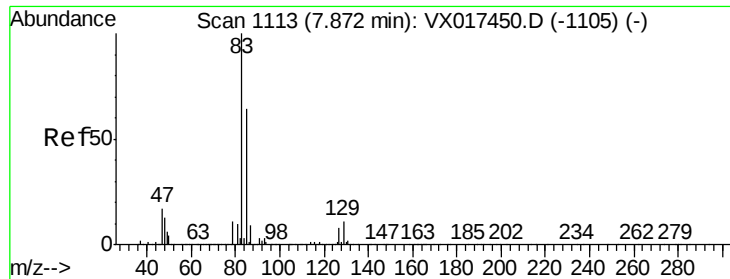
#37  
1,2-Dichloropropane  
Concen: 0.254 ug/L  
RT: 7.49 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 15.6  | 3.8   | 5.8#  |



Abundance Ion 63.10 (62.80 to 63.80): VX0  
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.251 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

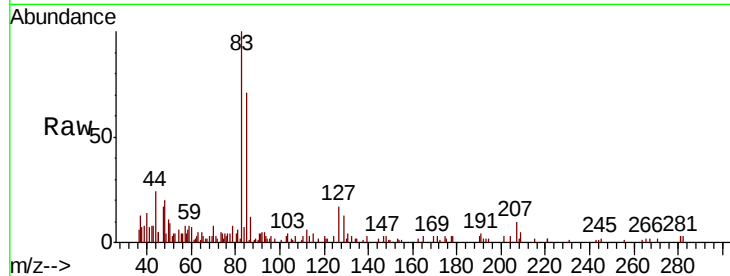
Tot Ion: 83 Resp: 8586

Ion Ratio Lower Upper

83 100

85 71.1 44.7 83.1

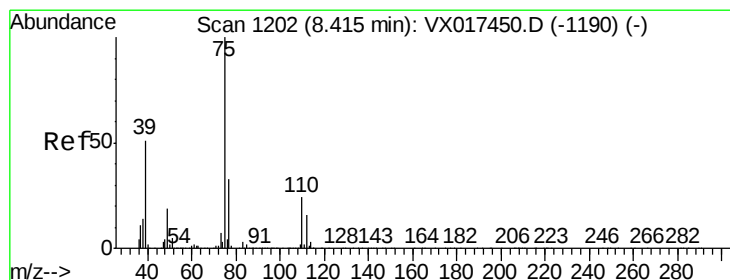
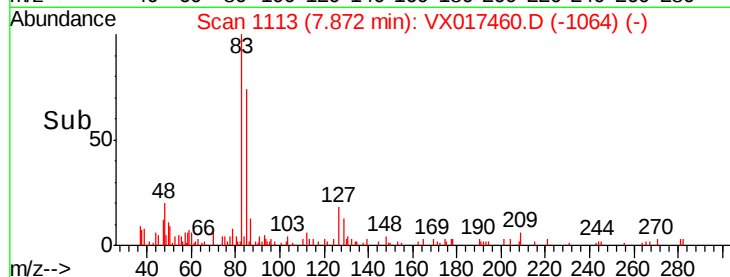
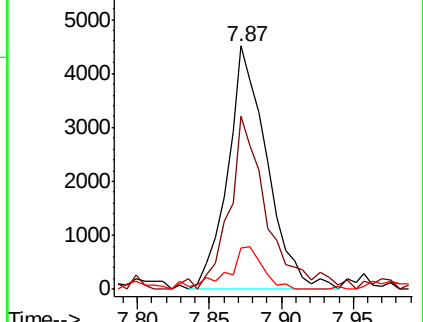
127 17.0 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.218 ug/L

RT: 8.42 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VX017460.D

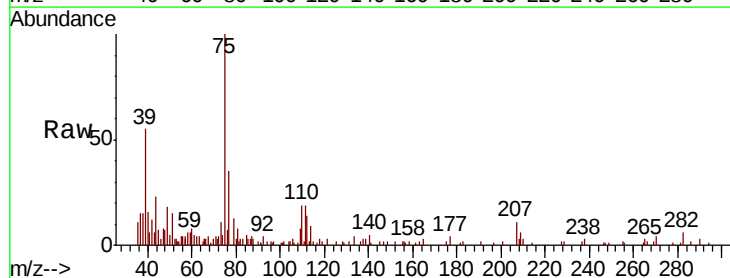
Acq: 21 Jul 2020 17:10

Tgt Ion: 75 Resp: 8039

Ion Ratio Lower Upper

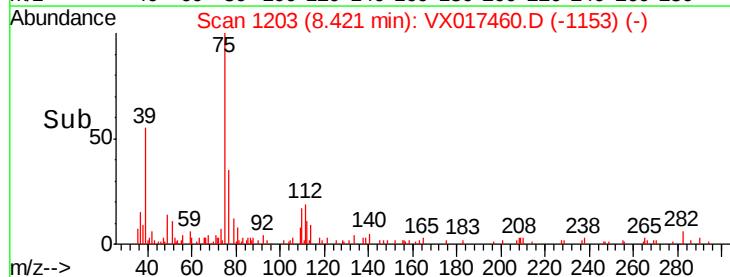
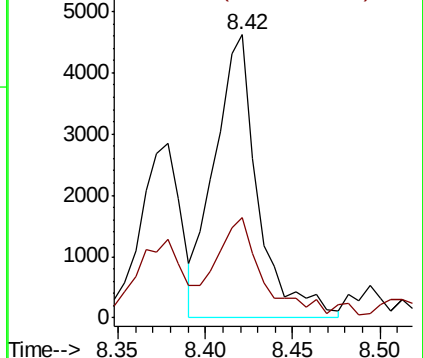
75 100

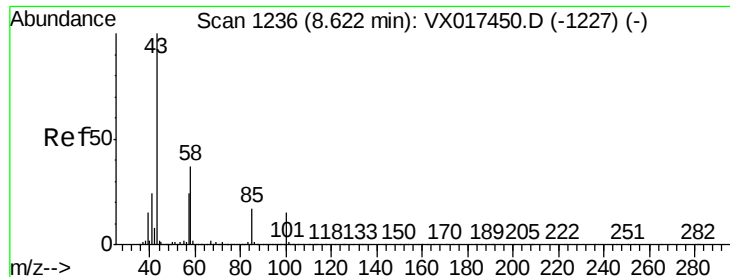
77 35.5 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

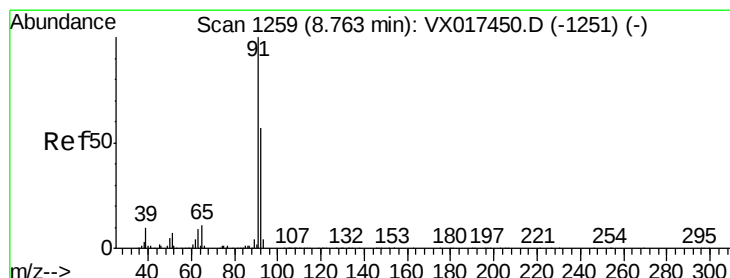
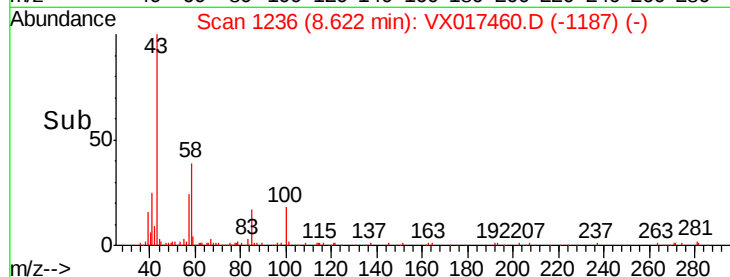
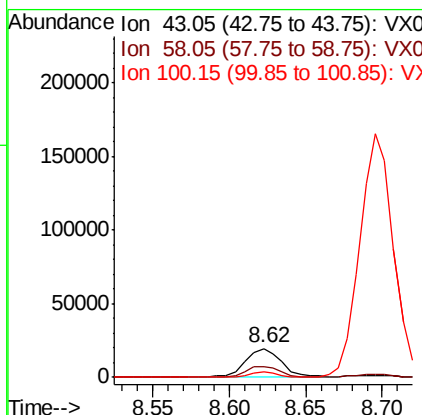
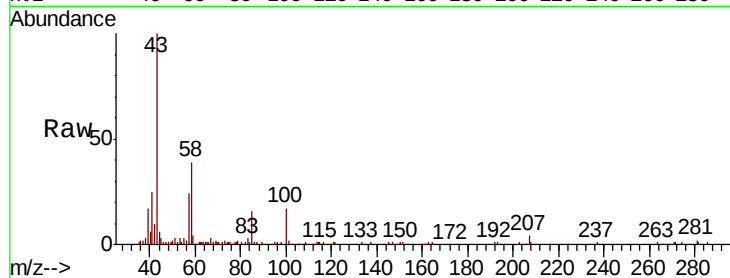




#40  
4-Methyl-2-pentanone  
Concen: 2.121 ug/L  
RT: 8.62 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

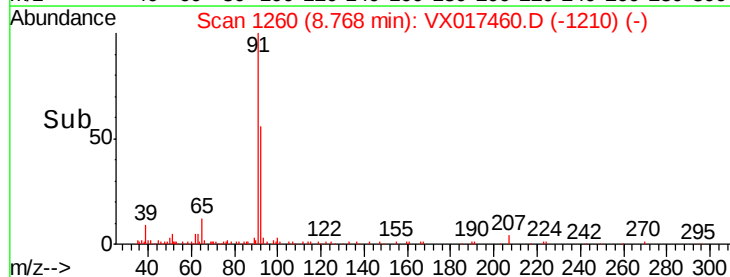
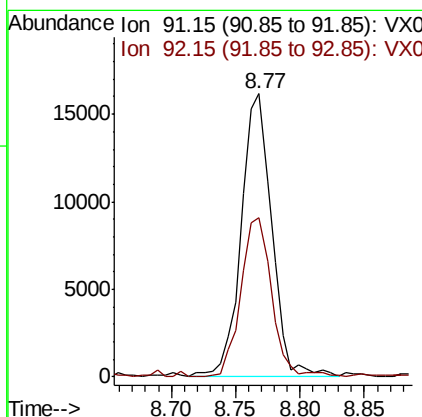
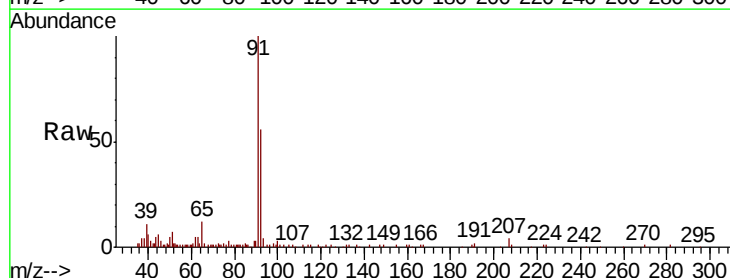
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL06

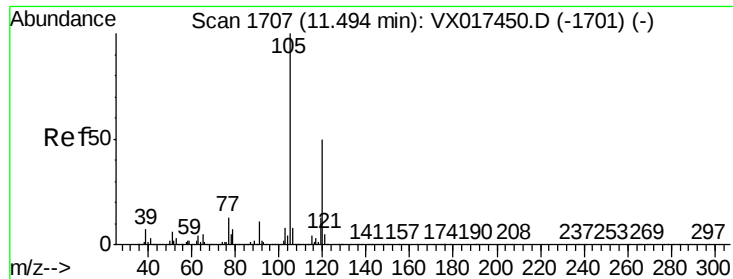
Tot Ion: 43 Resp: 31683  
Ion Ratio Lower Upper  
43 100  
58 38.9 30.1 45.1  
100 0.0 6.5 9.7#



#42  
Toluene  
Concen: 0.261 ug/L  
RT: 8.77 min Scan# 1260  
Delta R.T. 0.01 min  
Lab File: VX017460.D  
Acq: 21 Jul 2020 17:10

Tgt Ion: 91 Resp: 26561  
Ion Ratio Lower Upper  
91 100  
92 56.4 39.9 74.1





#43

1,3,5-Trimethylbenzene

Concen: 0.168 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

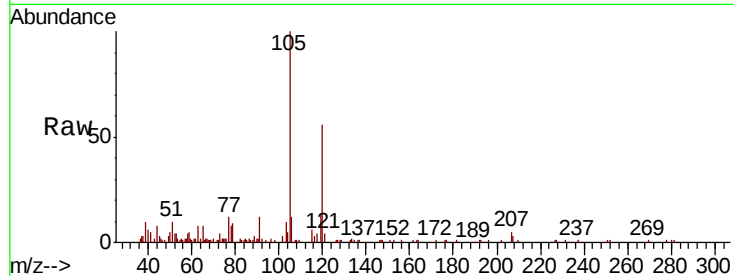
MDL06

Tot Ion:105 Resp: 15979

Ion Ratio Lower Upper

105 100

120 54.0 38.2 57.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

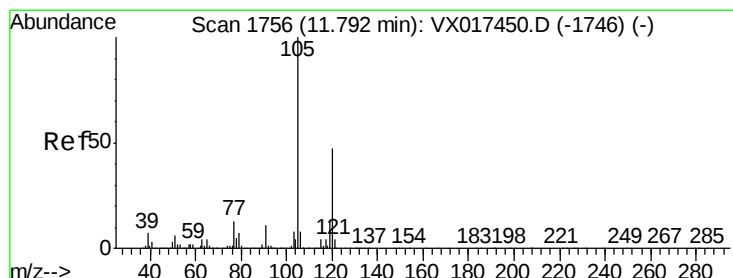
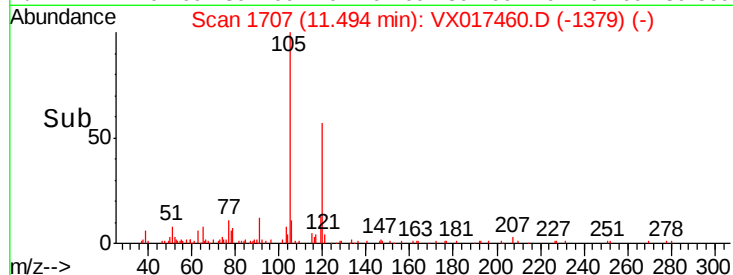
11.49

10000

5000

0

Time--> 11.40 11.45 11.50 11.55



#44

1,2,4-Trimethylbenzene

Concen: 0.165 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017460.D

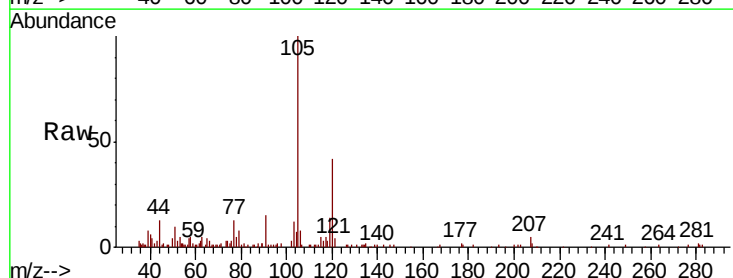
Acq: 21 Jul 2020 17:10

Tgt Ion:105 Resp: 15491

Ion Ratio Lower Upper

105 100

120 47.5 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

15000 Ion 120.00 (119.70 to 120.70): V

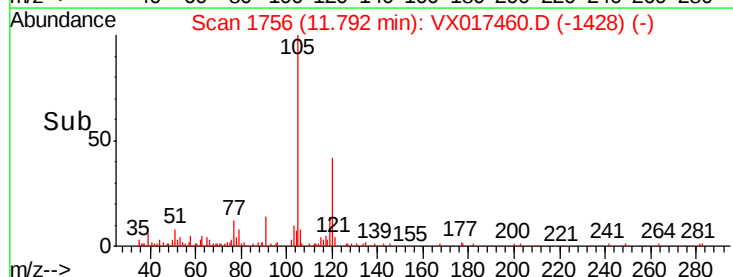
11.79

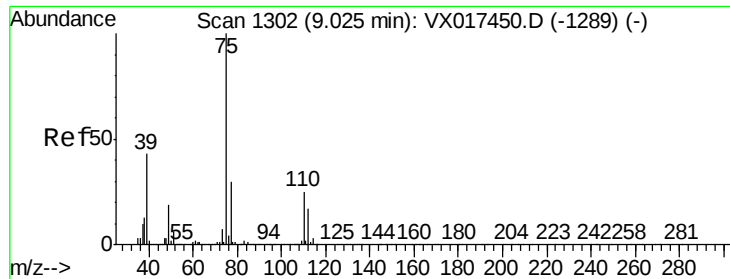
10000

5000

0

Time--> 11.75 11.80 11.85





#46

trans-1,3-Dichloropropene

Concen: 0.355 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

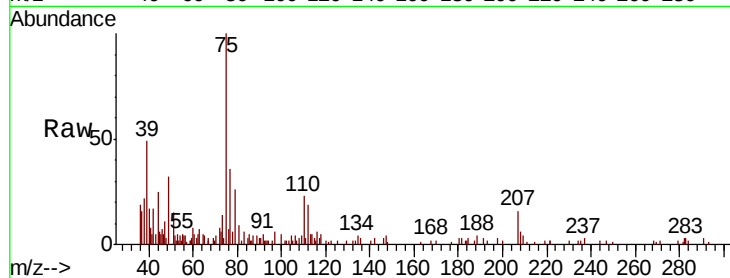
MDL06

Tot Ion: 75 Resp: 11274

Ion Ratio Lower Upper

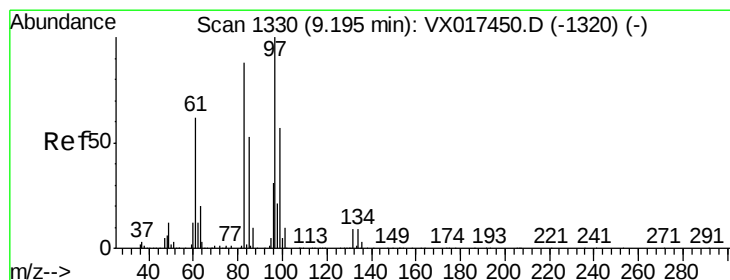
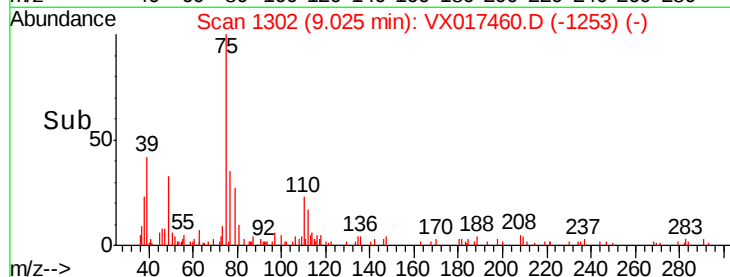
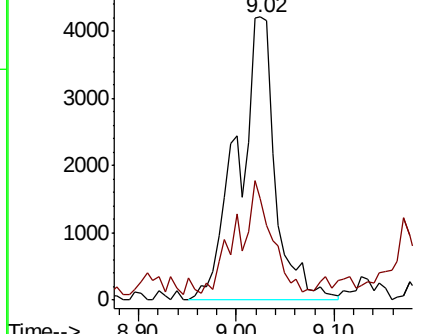
75 100

77 35.8 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



#47

1,1,2-Trichloroethane

Concen: 0.275 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Tgt Ion: 97 Resp: 4803

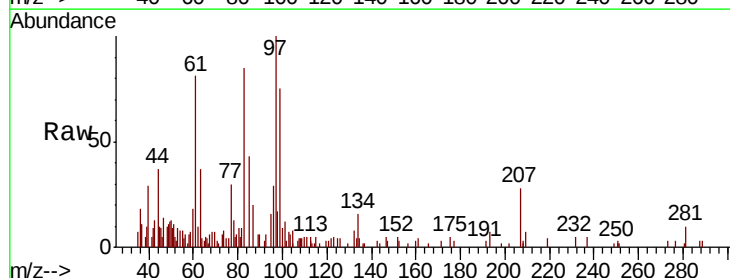
Ion Ratio Lower Upper

97 100

99 75.2 40.2 74.6#

83 84.8 61.6 114.4

85 43.1 37.5 69.6

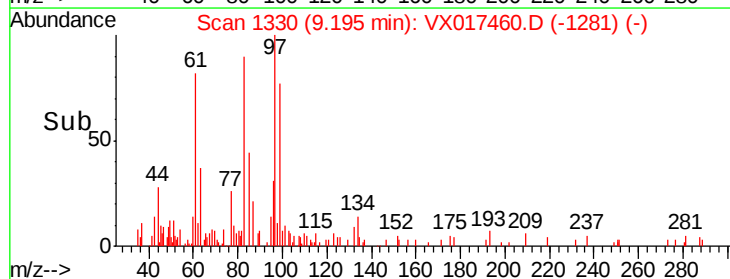
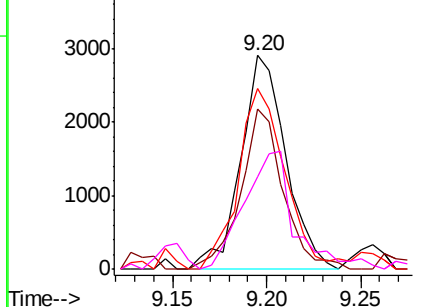


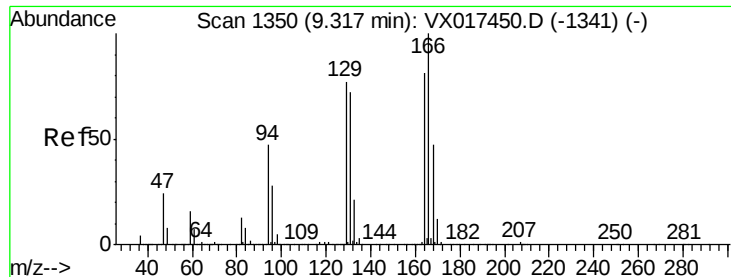
Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0





#49

Tetrachloroethene

Concen: 0.249 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

Tot Ion:164 Resp: 5537

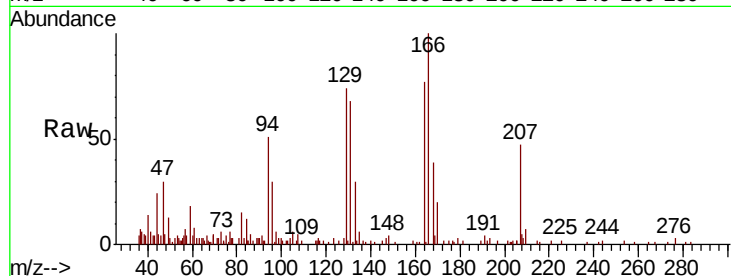
Ion Ratio Lower Upper

164 100

129 96.7 66.6 123.8

131 88.1 62.6 116.2

166 130.2 86.9 161.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

8000

6000

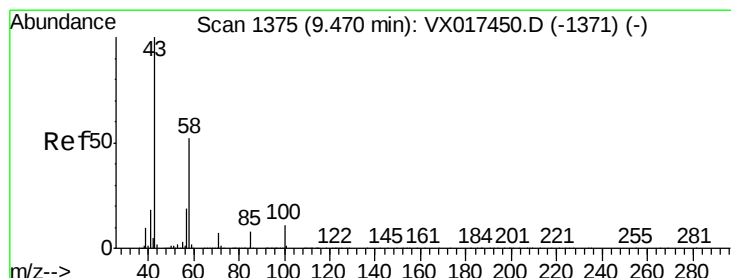
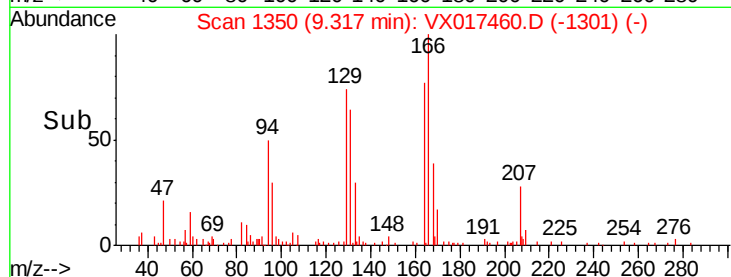
4000

2000

0

9.25 9.30 9.35 9.40

Time-->



#50

2-Hexanone

Concen: 2.236 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Tgt Ion: 43 Resp: 24378

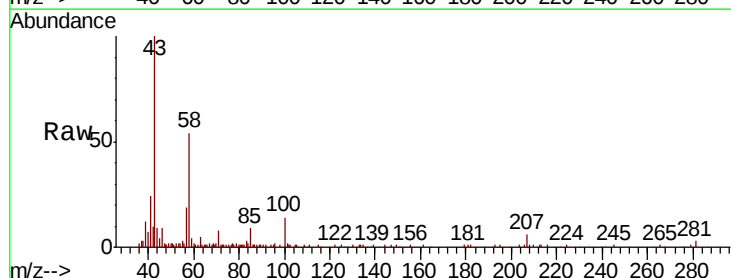
Ion Ratio Lower Upper

43 100

58 51.5 41.4 62.0

57 22.1 26.9 40.3#

100 12.5 16.0 24.0#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0

30000

25000

20000

15000

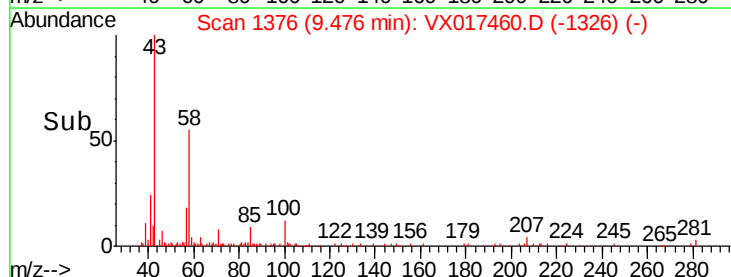
10000

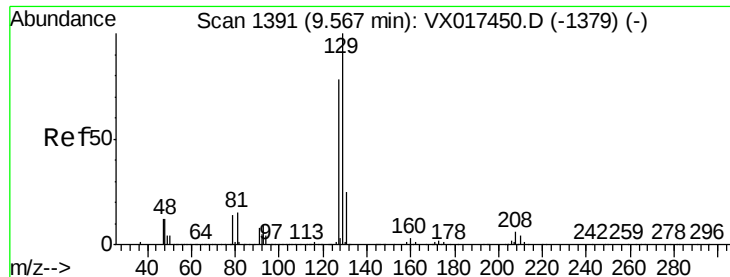
5000

0

9.45 9.50 9.55

Time-->





#51

Dibromochloromethane

Concen: 0.225 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

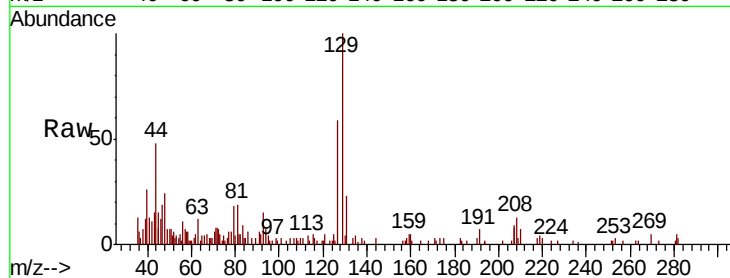
MDL06

Tot Ion:129 Resp: 5398

Ion Ratio Lower Upper

129 100

127 58.6 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

9.56

4000

3000

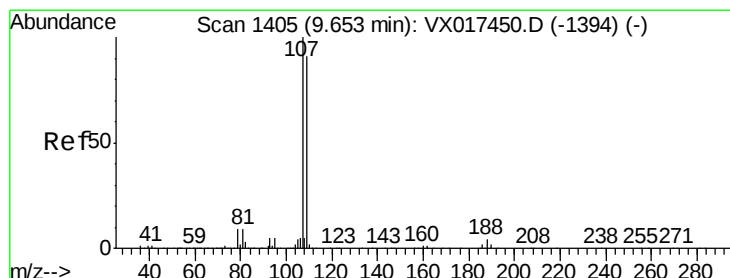
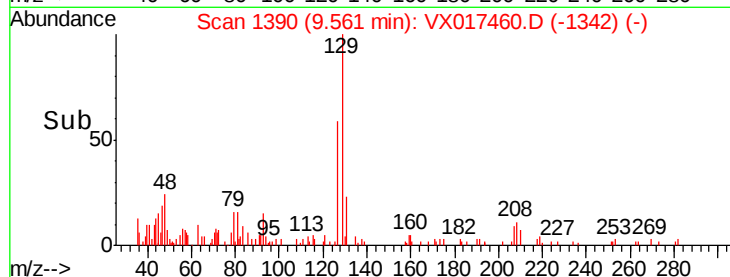
2000

1000

0

9.50 9.55 9.60

Time-->



#52

1,2-Dibromoethane

Concen: 0.268 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

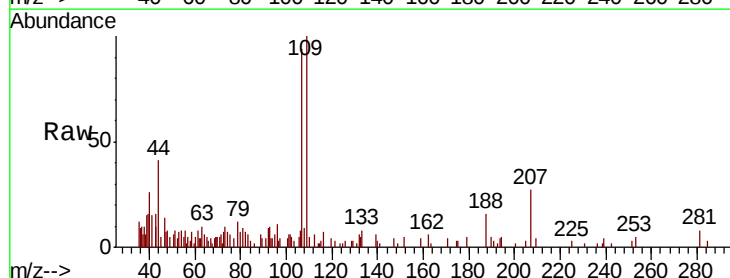
Tgt Ion:107 Resp: 4634

Ion Ratio Lower Upper

107 100

109 106.7 63.9 118.7

188 16.7 3.0 4.4#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

9.65

3000

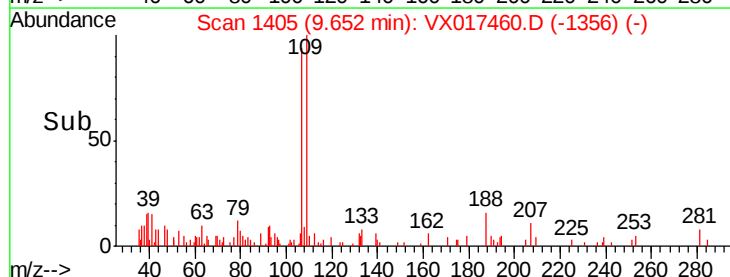
2000

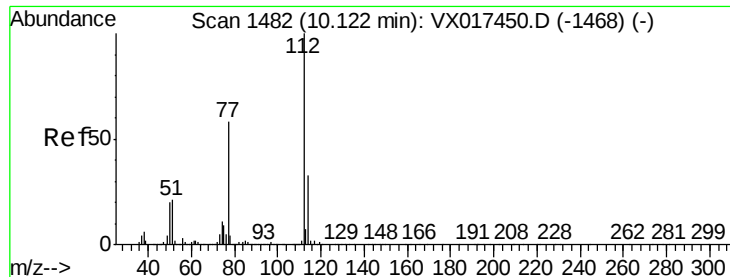
1000

0

9.60 9.65 9.70

Time-->





#53

Chlorobenzene

Concen: 0.247 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

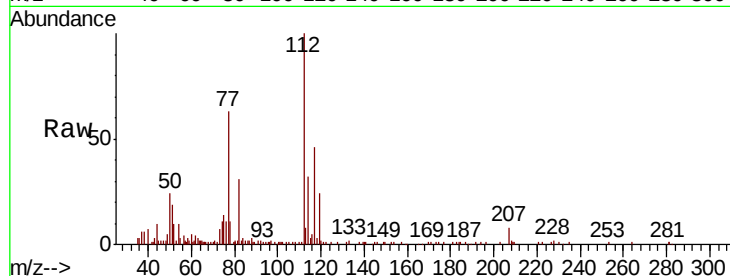
Tot Ion: 112 Resp: 17112

Ion Ratio Lower Upper

112 100

114 31.7 23.1 42.9

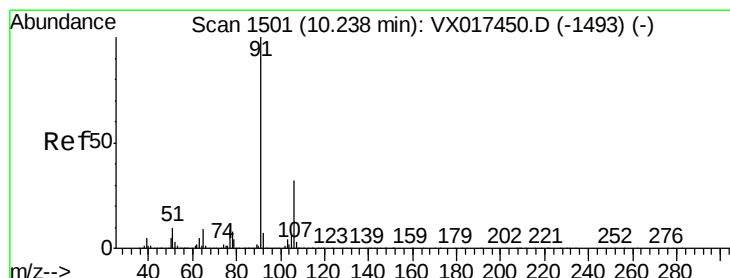
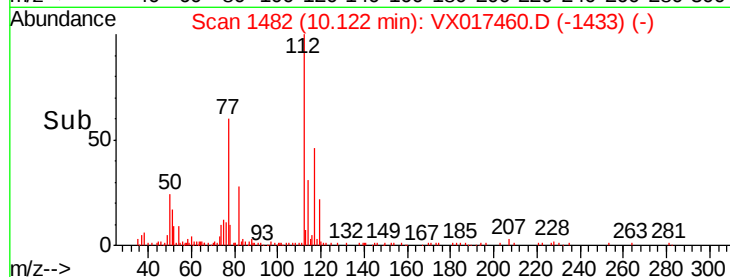
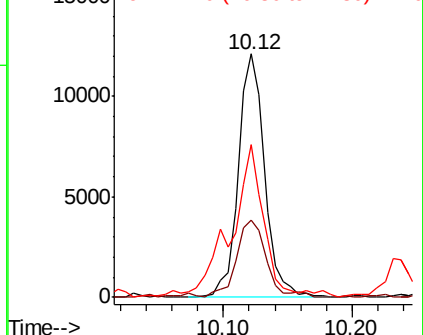
77 62.6 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 0.218 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX017460.D

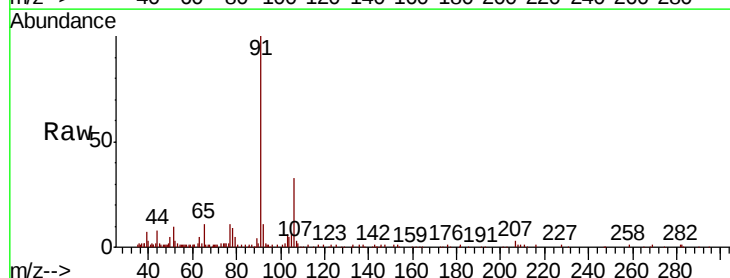
Acq: 21 Jul 2020 17:10

Tgt Ion: 91 Resp: 24118

Ion Ratio Lower Upper

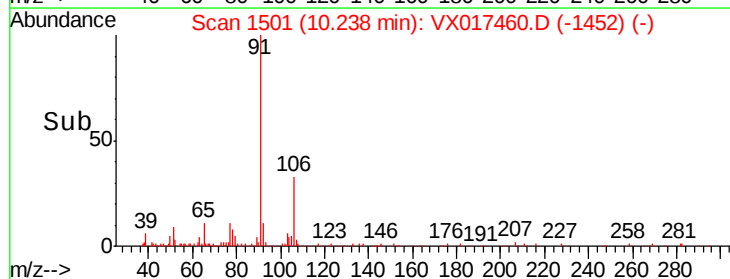
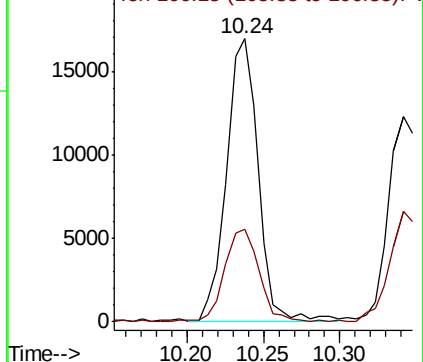
91 100

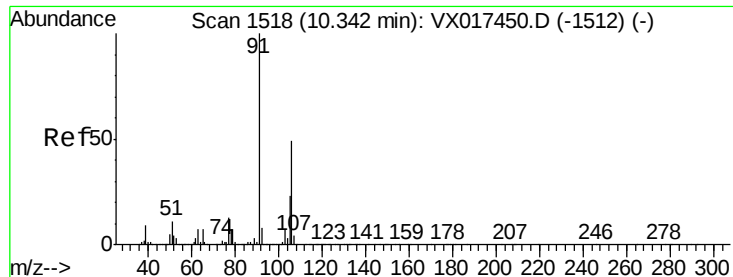
106 32.9 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.213 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

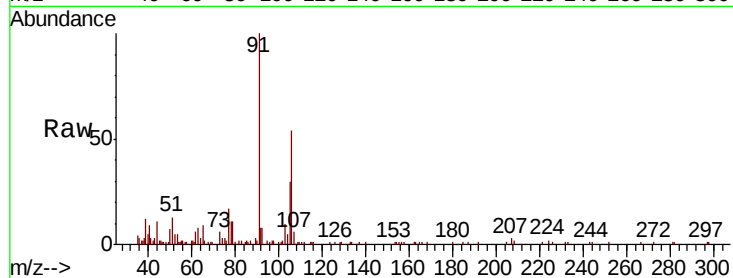
MDL06

Tot Ion:106 Resp: 9386

Ion Ratio Lower Upper

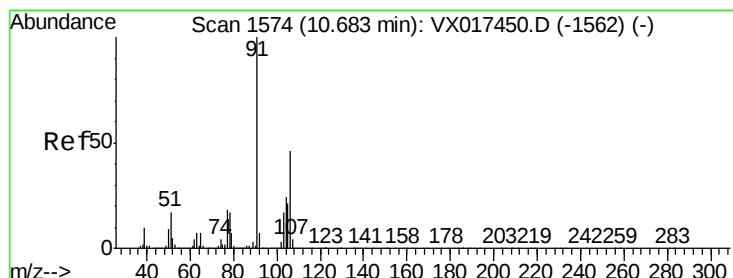
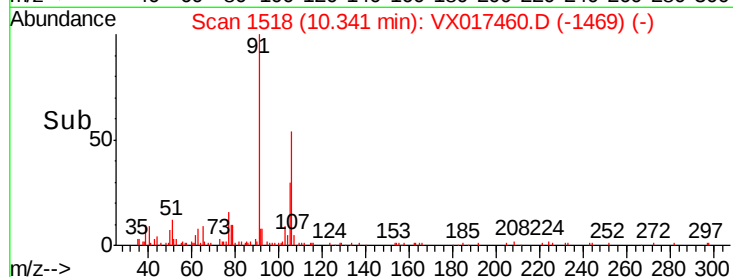
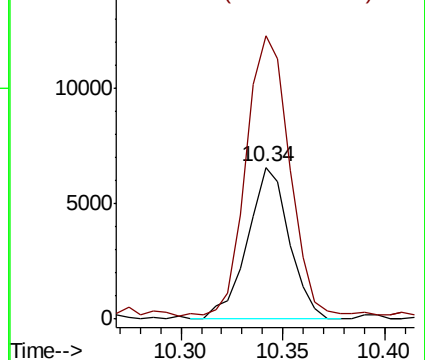
106 100

91 186.0 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.202 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017460.D

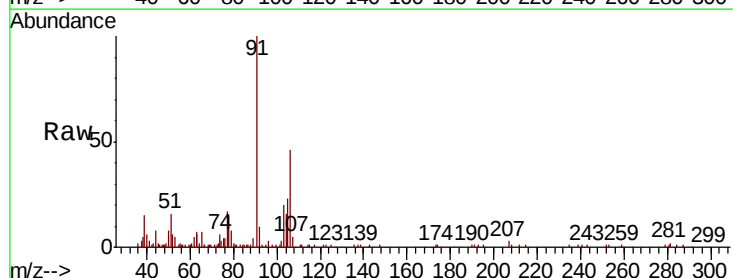
Acq: 21 Jul 2020 17:10

Tgt Ion:106 Resp: 8645

Ion Ratio Lower Upper

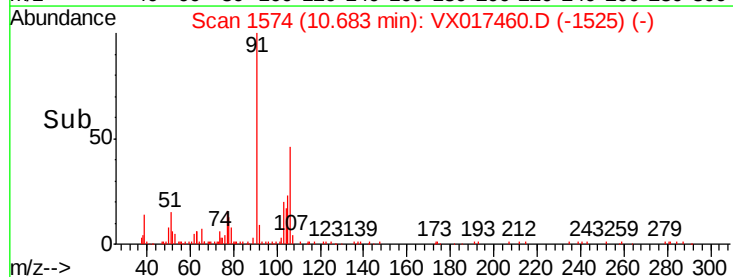
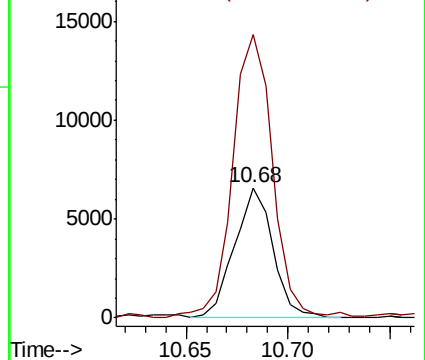
106 100

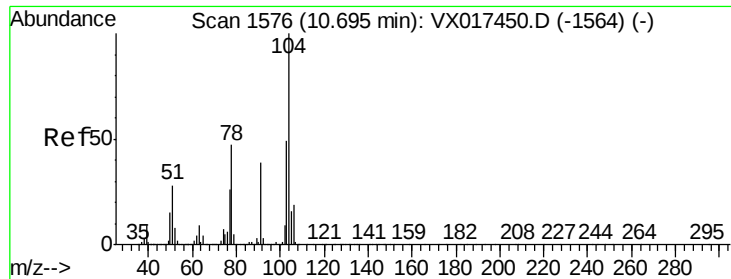
91 218.0 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#57

Stvrene

Concen: 0.195 ug/L

RT: 10.69 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampled :

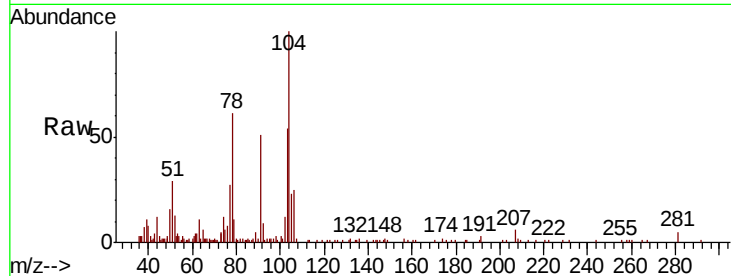
MDL06

Tot Ion:104 Resp: 13909

Ion Ratio Lower Upper

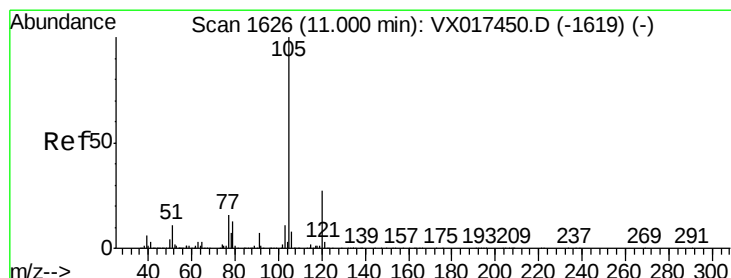
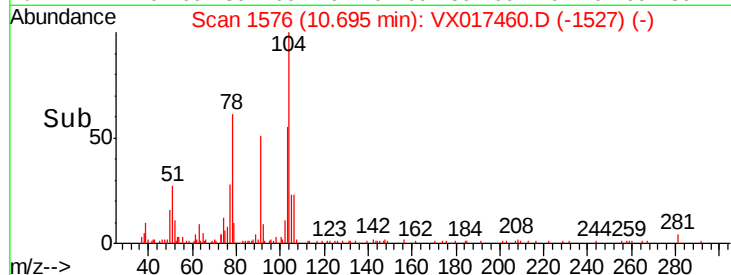
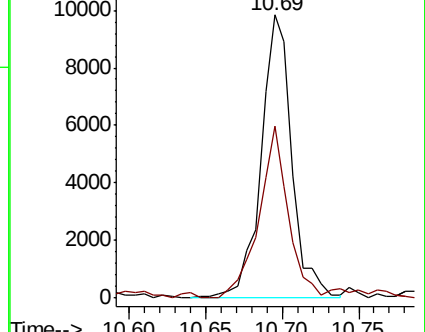
104 100

78 61.0 32.6 60.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0



#58

Isopropylbenzene

Concen: 0.235 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

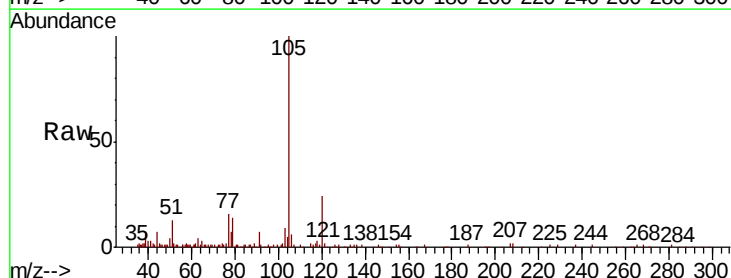
Tgt Ion:105 Resp: 26041

Ion Ratio Lower Upper

105 100

120 25.6 21.4 32.2

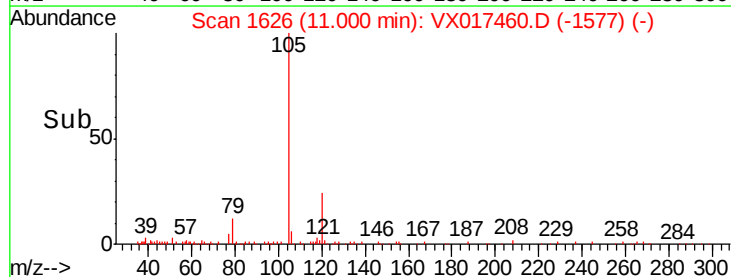
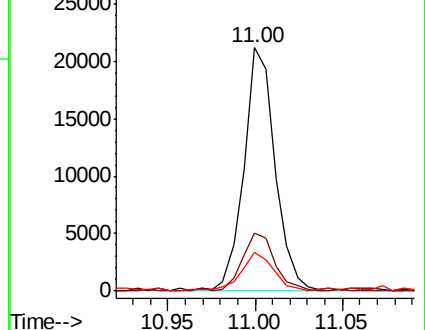
77 17.1 13.0 19.6

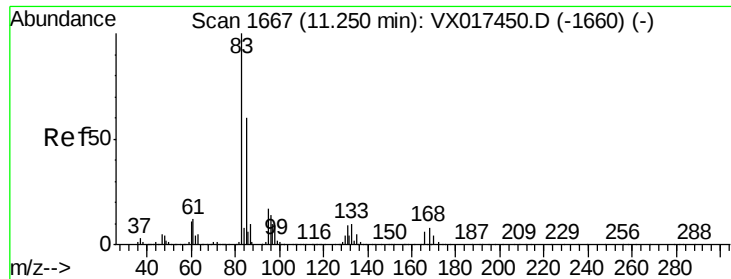


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0

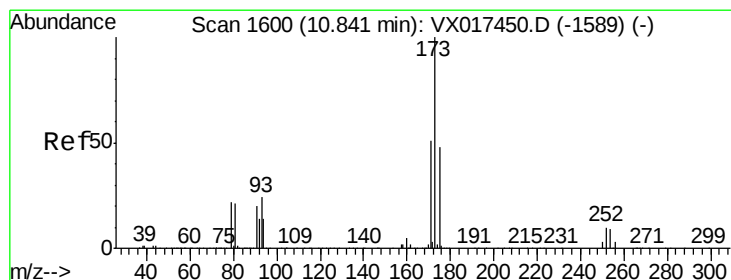
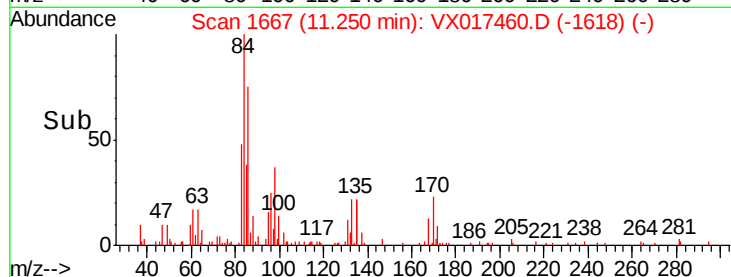
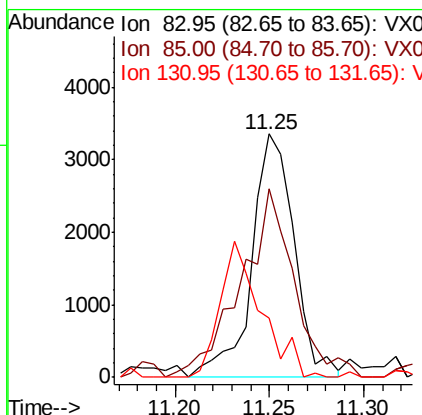
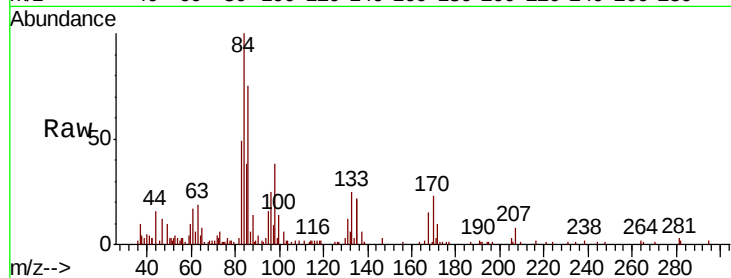




#60  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.253 ug/L  
 RT: 11.25 min Scan# 1667  
 Delta R.T. -0.00 min  
 Lab File: VX017460.D  
 Acq: 21 Jul 2020 17:10

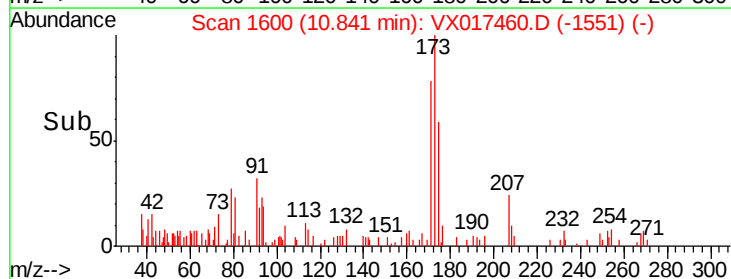
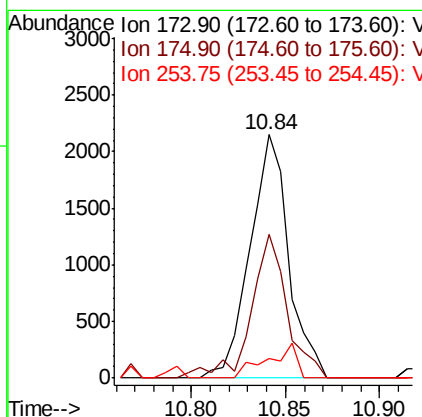
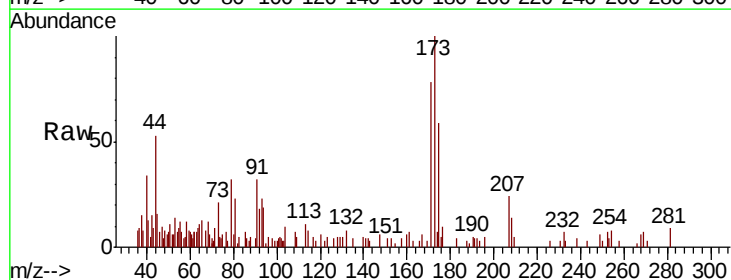
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL06

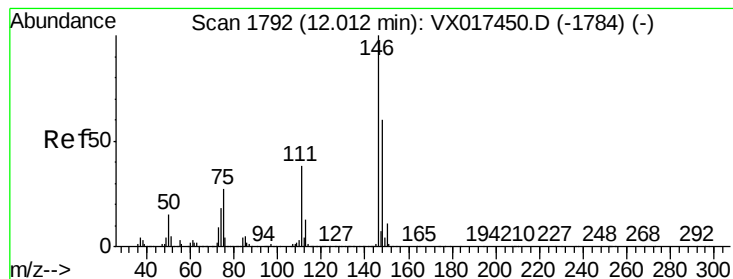
Tot Ion: 83 Resp: 5260  
 Ion Ratio Lower Upper  
 83 100  
 85 77.6 42.1 78.1  
 131 24.2 7.7 11.5#



#62  
 Bromoform  
 Concen: 0.234 ug/L  
 RT: 10.84 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: VX017460.D  
 Acq: 21 Jul 2020 17:10

Tgt Ion: 173 Resp: 3051  
 Ion Ratio Lower Upper  
 173 100  
 175 55.0 38.4 57.6  
 254 10.6 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 0.226 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

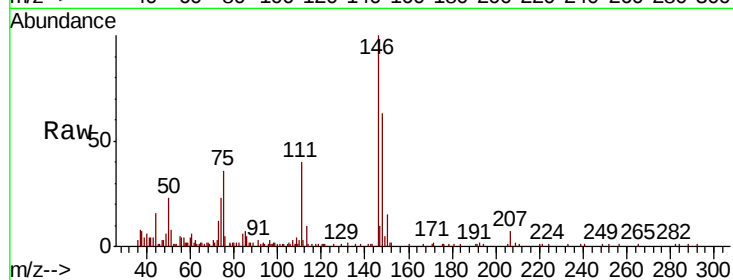
Tot Ion:146 Resp: 11870

Ion Ratio Lower Upper

146 100

111 39.9 26.8 49.8

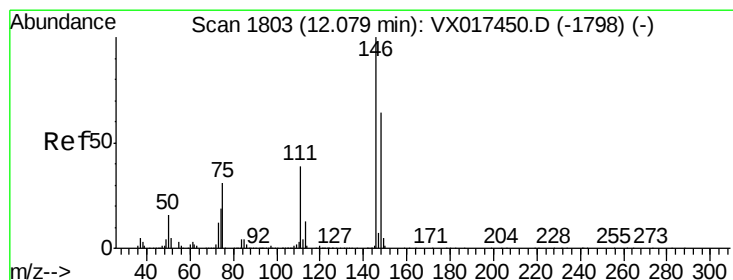
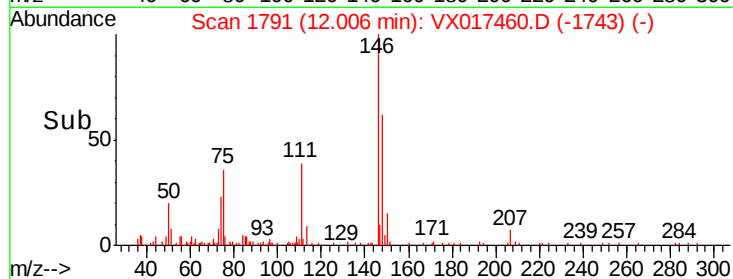
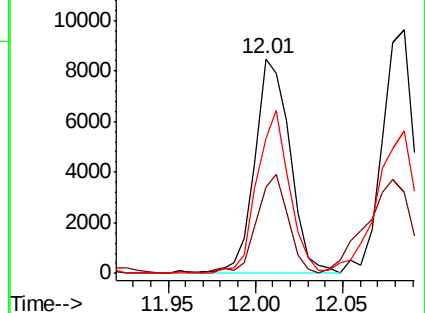
148 62.9 42.1 78.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 0.236 ug/L

RT: 12.08 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

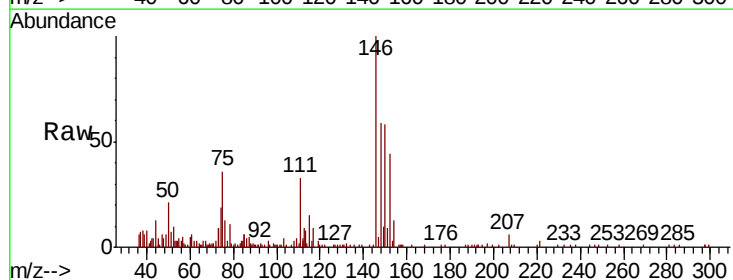
Tgt Ion:146 Resp: 12210

Ion Ratio Lower Upper

146 100

111 33.1 27.7 51.5

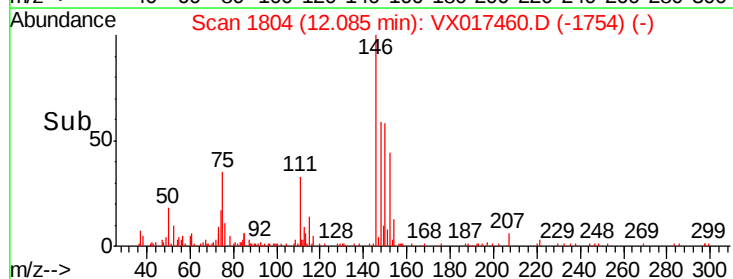
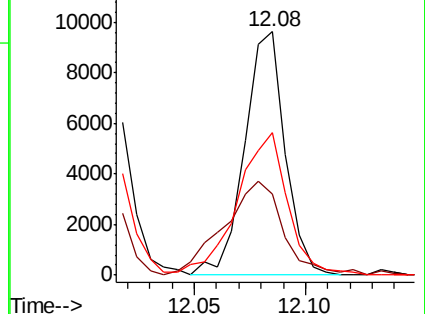
148 58.6 44.9 83.5

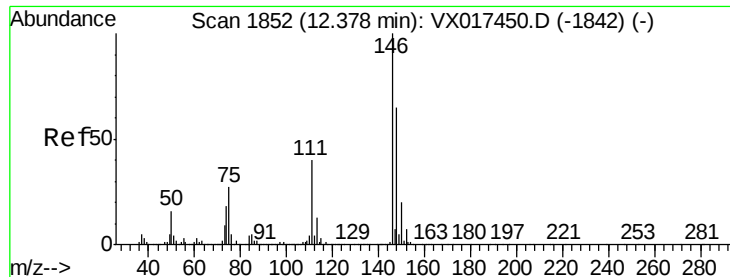


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

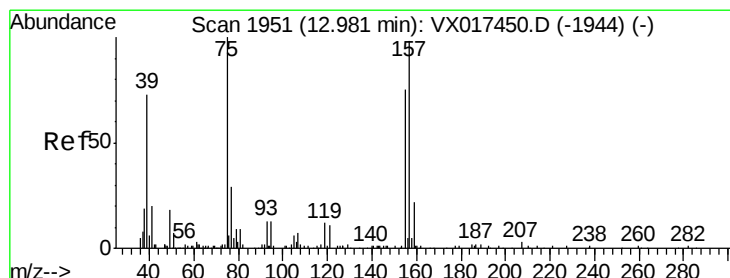
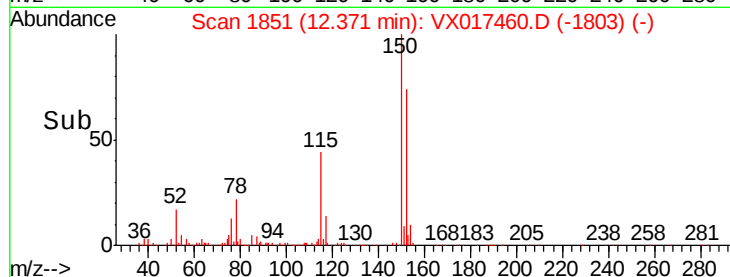
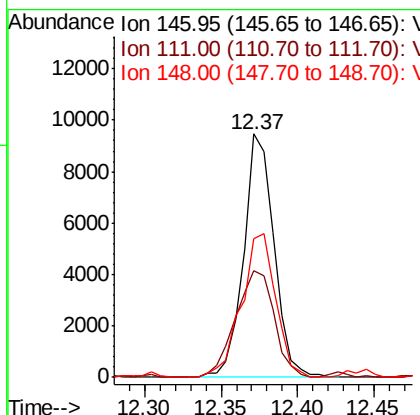
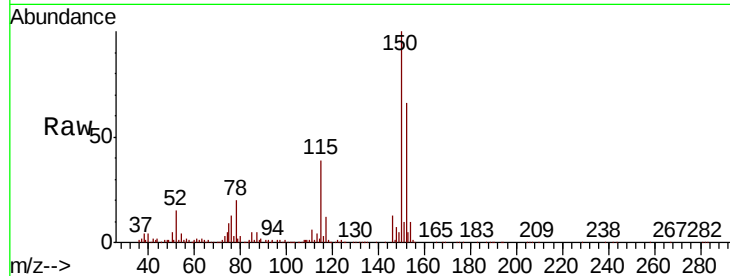




#66  
 1,2-Dichlorobenzene  
 Concen: 0.268 ug/L  
 RT: 12.37 min Scan# 1851  
 Delta R.T. -0.01 min  
 Lab File: VX017460.D  
 Acq: 21 Jul 2020 17:10

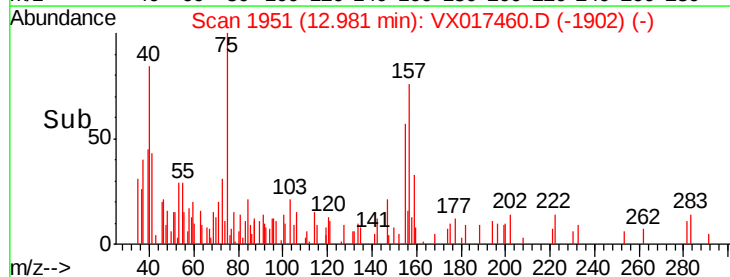
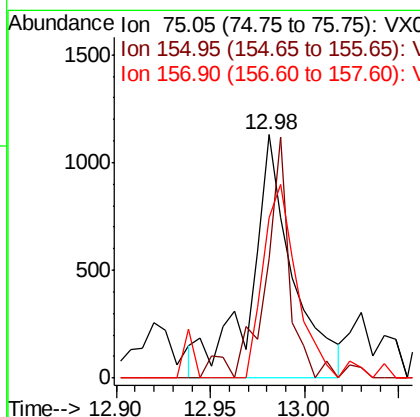
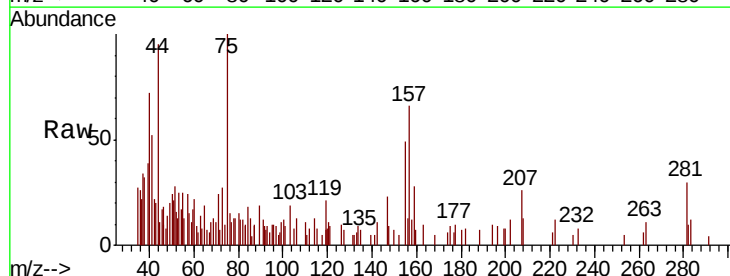
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL06

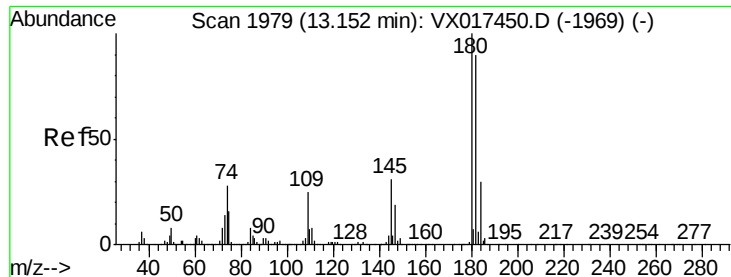
Tot Ion:146 Resp: 13023  
 Ion Ratio Lower Upper  
 146 100  
 111 43.8 31.8 47.6  
 148 57.1 51.8 77.8



#67  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.405 ug/L  
 RT: 12.98 min Scan# 1951  
 Delta R.T. -0.00 min  
 Lab File: VX017460.D  
 Acq: 21 Jul 2020 17:10

Tgt Ion: 75 Resp: 1733  
 Ion Ratio Lower Upper  
 75 100  
 155 49.2 59.6 89.4#  
 157 65.9 78.7 118.1#

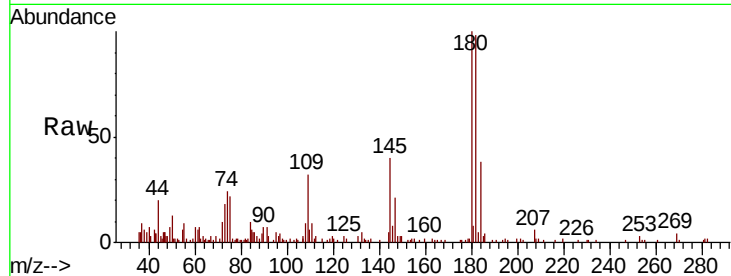




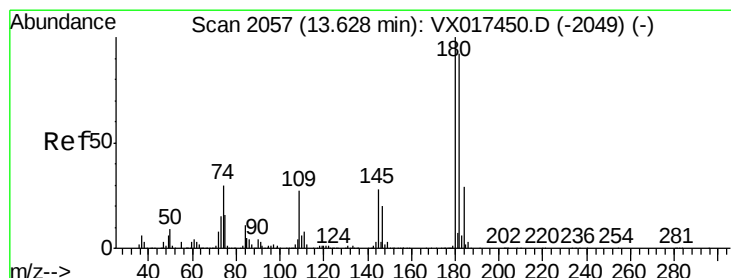
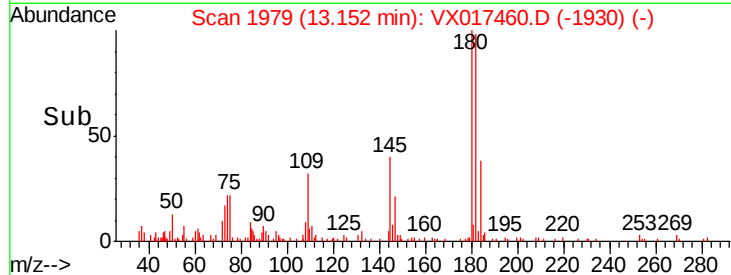
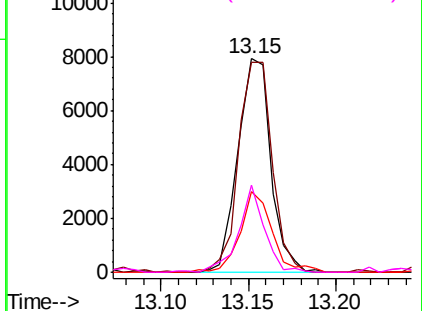
#68  
 1,3,5-Trichlorobenzene  
 Concen: 0.236 ug/L  
 RT: 13.15 min Scan# 1979  
 Delta R.T. -0.00 min  
 Lab File: VX017460.D  
 Acq: 21 Jul 2020 17:10

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL06

Tot Ion:180 Resp: 10412  
 Ion Ratio Lower Upper  
 180 100  
 182 100.2 73.8 110.8  
 184 36.4 24.2 36.2#  
 145 32.3 24.4 36.6

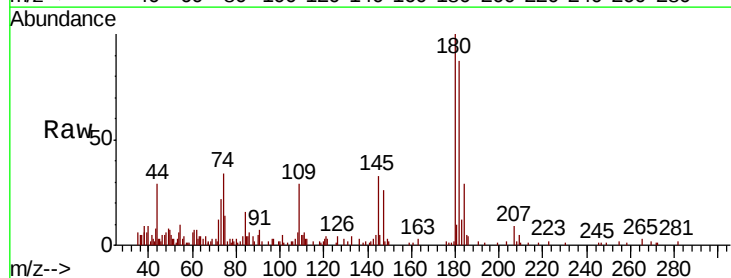


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

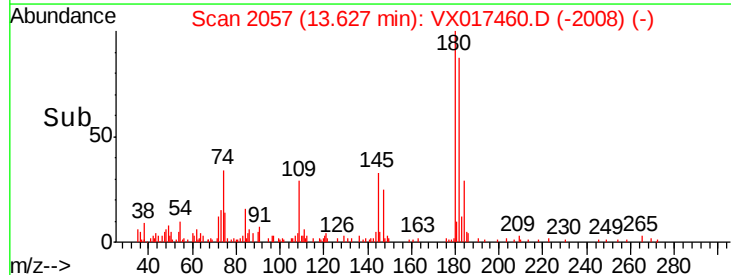
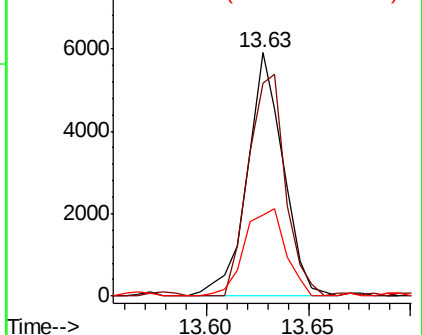


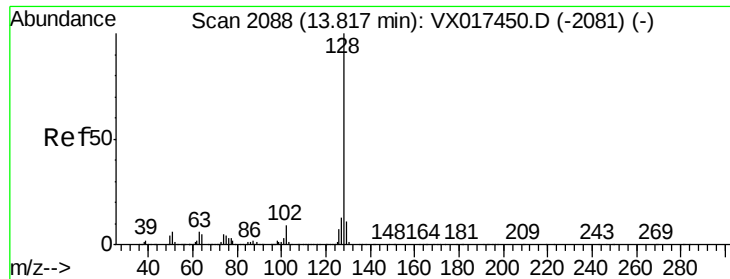
#69  
 1,2,4-trichlorobenzene  
 Concen: 0.225 ug/L  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX017460.D  
 Acq: 21 Jul 2020 17:10

Tgt Ion:180 Resp: 7254  
 Ion Ratio Lower Upper  
 180 100  
 182 93.9 75.3 112.9  
 145 41.0 24.3 36.5#



Abundance Ion 179.90 (179.60 to 180.60): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 144.95 (144.65 to 145.65): V





#70

Naphthalene

Concen: 0.201 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MDL06

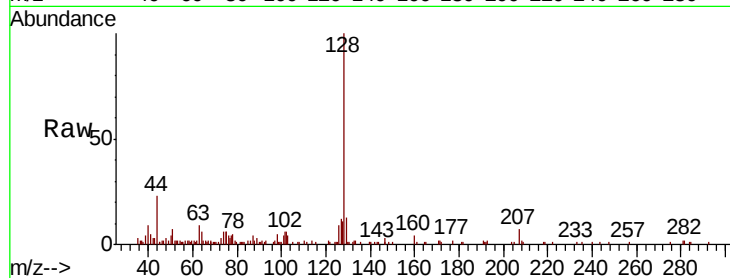
Tot Ion:128 Resp: 11369

Ion Ratio Lower Upper

128 100

129 9.9 8.7 13.1

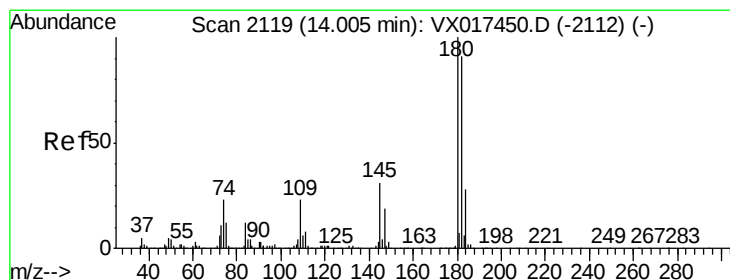
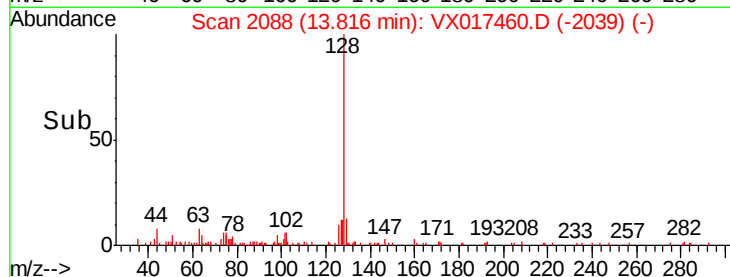
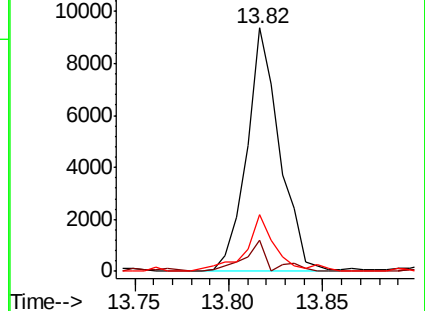
127 21.2 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 0.217 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX017460.D

Acq: 21 Jul 2020 17:10

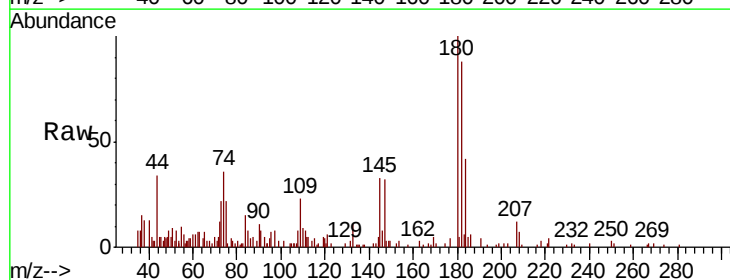
Tgt Ion:180 Resp: 6470

Ion Ratio Lower Upper

180 100

182 97.1 75.3 112.9

145 35.8 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

