

Data File : VV015944.D  
Acq On : 07 May 2020 16:20  
Operator : SY/MD  
Sample : MDL06  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Quant Time: May 08 05:15:36 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 08 05:09:03 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 152486   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 149751   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 69641    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 39253    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 36764    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 63493    | 3.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.40%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 118681   | 50.29    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.58% |
| 24) Chloroform-d               | 4.38   | 84    | 83335    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 52447    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.08   | 84    | 172886   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 55076    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.20% |
| 41) Toluene-d8                 | 7.34   | 98    | 157278   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 19282    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.40%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 89107    | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 95.04%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37675    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.60%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 58429    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.40% |

#### Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 2918  | 0.250 ug/L   | 99     |
| 3) Chloromethane               | 1.24 | 50  | 2882  | 0.244 ug/L   | 89     |
| 5) Vinyl chloride              | 1.32 | 62  | 2818  | 0.249 ug/L # | 72     |
| 6) Bromomethane                | 1.53 | 94  | 1772  | 0.276 ug/L   | 77     |
| 8) Chloroethane                | 1.59 | 64  | 2095  | 0.260 ug/L   | 83     |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 3488  | 0.225 ug/L   | 90     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 2421  | 0.276 ug/L   | 91     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 2308  | 0.275 ug/L # | 1      |
| 14) Carbon disulfide           | 2.30 | 76  | 6384  | 0.230 ug/L   | 96     |
| 16) Methylene chloride         | 2.52 | 84  | 3247  | 0.323 ug/L   | 100    |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 4806  | 0.220 ug/L # | 90     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 2364  | 0.255 ug/L   | 79     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 4174  | 0.234 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene     | 3.95 | 96  | 2298  | 0.237 ug/L   | 90     |
| 23) Bromochloromethane         | 4.29 | 128 | 942   | 0.227 ug/L   | 84     |
| 25) Chloroform                 | 4.41 | 83  | 12725 | 0.647 ug/L   | 97     |
| 27) 1,2-Dichloroethane         | 5.17 | 62  | 2935  | 0.243 ug/L # | 76     |

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 08 05:09:03 2020  
Response via : Initial Calibration

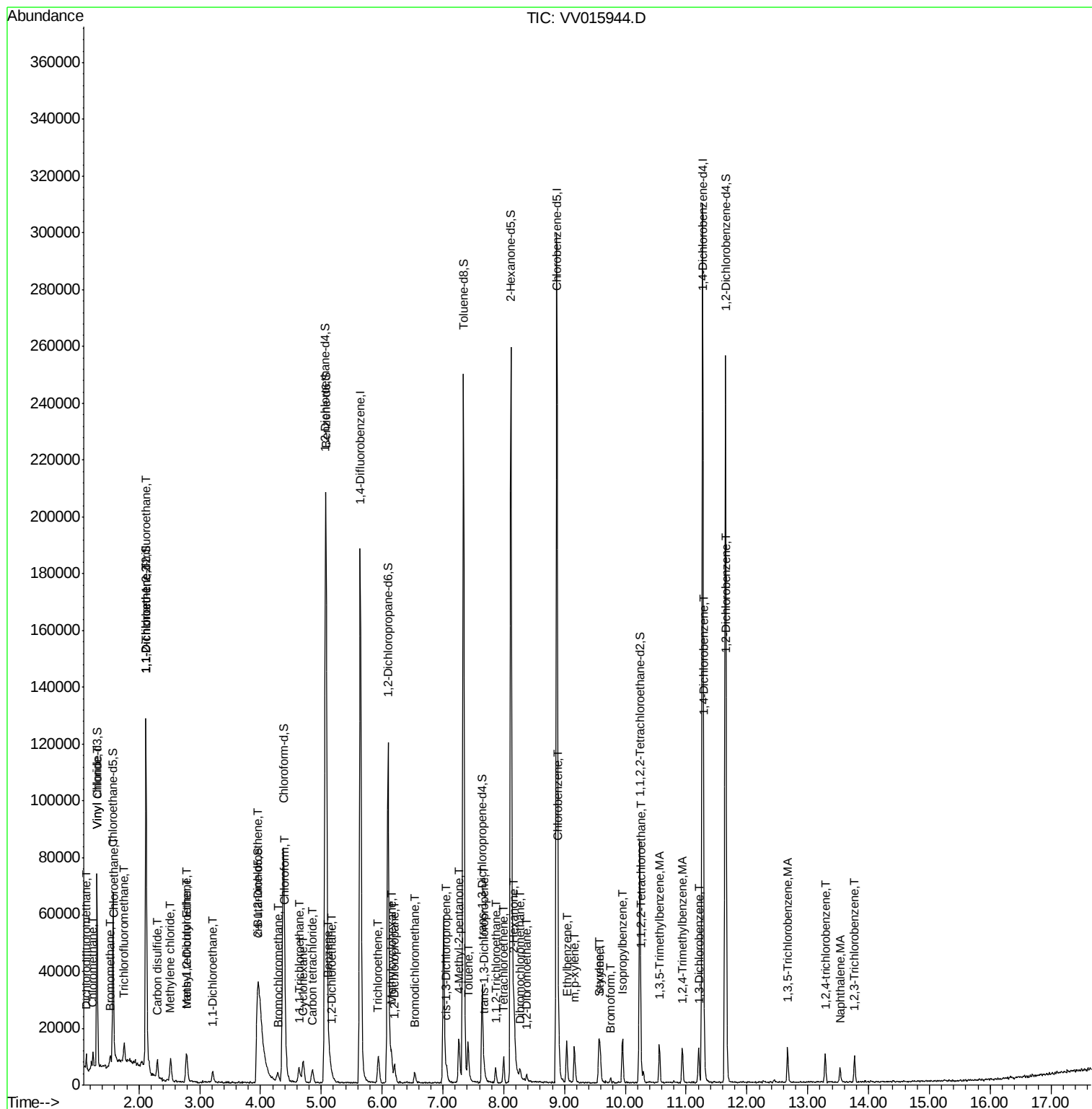
| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 29) 1,1,1-Trichloroethane     | 4.64  | 97   | 3814     | 0.231 | ug/L   | 99       |
| 30) Cyclohexane               | 4.70  | 56   | 3812     | 0.230 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 4.85  | 117  | 3062     | 0.215 | ug/L   | 97       |
| 33) Benzene                   | 5.13  | 78   | 7805     | 0.207 | ug/L   | 100      |
| 34) Trichloroethene           | 5.95  | 95   | 2555     | 0.238 | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.15  | 83   | 3487     | 0.214 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 6.20  | 63   | 2410     | 0.252 | ug/L # | 87       |
| 38) Bromodichloromethane      | 6.54  | 83   | 2702     | 0.222 | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.06  | 75   | 2945     | 0.218 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.26  | 43   | 12408    | 2.080 | ug/L # | 90       |
| 42) Toluene                   | 7.41  | 91   | 9471     | 0.237 | ug/L   | 98       |
| 43) 1,3,5-Trimethylbenzene    | 10.56 | 105  | 6734     | 0.184 | ug/L # | 100      |
| 44) 1,2,4-Trimethylbenzene    | 10.94 | 105  | 6293     | 0.172 | ug/L # | 100      |
| 46) trans-1,3-Dichloropropene | 7.68  | 75   | 3422     | 0.299 | ug/L   | 96       |
| 47) 1,1,2-Trichloroethane     | 7.87  | 97   | 1415     | 0.221 | ug/L   | 92       |
| 49) Tetrachloroethene         | 8.00  | 164  | 1741     | 0.232 | ug/L   | 92       |
| 50) 2-Hexanone                | 8.17  | 43   | 16663    | 3.949 | ug/L # | 90       |
| 51) Dibromochloromethane      | 8.27  | 129  | 1616     | 0.225 | ug/L   | 81       |
| 52) 1,2-Dibromoethane         | 8.38  | 107  | 1448     | 0.244 | ug/L # | 93       |
| 53) Chlorobenzene             | 8.90  | 112  | 6169     | 0.240 | ug/L   | 99       |
| 54) Ethylbenzene              | 9.04  | 91   | 9696     | 0.214 | ug/L   | 95       |
| 55) m,p-xylene                | 9.16  | 106  | 3693     | 0.220 | ug/L   | 84       |
| 56) o-xylene                  | 9.56  | 106  | 3513     | 0.219 | ug/L   | 75       |
| 57) Styrene                   | 9.59  | 104  | 5155     | 0.192 | ug/L   | 99       |
| 58) Isopropylbenzene          | 9.95  | 105  | 9133     | 0.207 | ug/L   | 96       |
| 60) 1,1,2,2-Tetrachloroethane | 10.26 | 83   | 1895     | 0.277 | ug/L # | 94       |
| 62) Bromoform                 | 9.76  | 173  | 748      | 0.234 | ug/L # | 78       |
| 63) 1,3-Dichlorobenzene       | 11.21 | 146  | 4430     | 0.236 | ug/L   | 95       |
| 64) 1,4-Dichlorobenzene       | 11.30 | 146  | 4852     | 0.257 | ug/L   | 91       |
| 66) 1,2-Dichlorobenzene       | 11.67 | 146  | 4417     | 0.260 | ug/L   | 93       |
| 68) 1,3,5-Trichlorobenzene    | 12.67 | 180  | 3558     | 0.259 | ug/L   | 94       |
| 69) 1,2,4-trichlorobenzene    | 13.29 | 180  | 3195     | 0.271 | ug/L   | 87       |
| 70) Naphthalene               | 13.53 | 128  | 4265     | 0.228 | ug/L   | 98       |
| 71) 1,2,3-Trichlorobenzene    | 13.77 | 180  | 2555     | 0.246 | ug/L   | 94       |

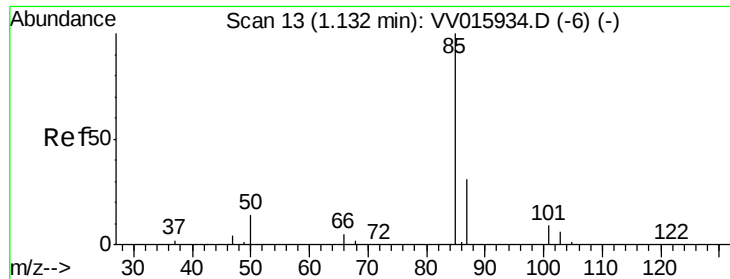
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.250 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

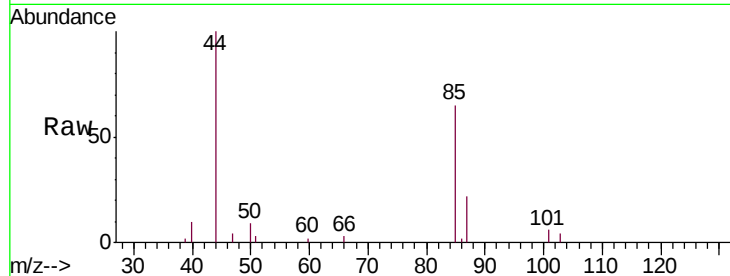
MDL06

Tgt Ion: 85 Resp: 2918

Ion Ratio Lower Upper

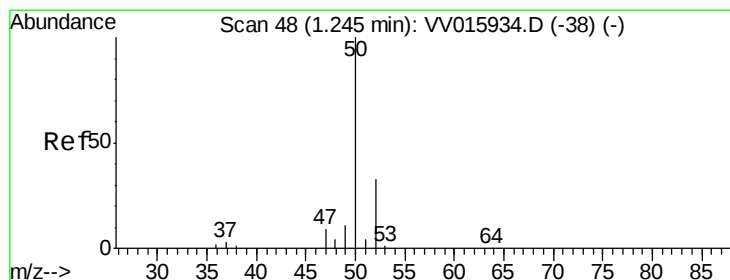
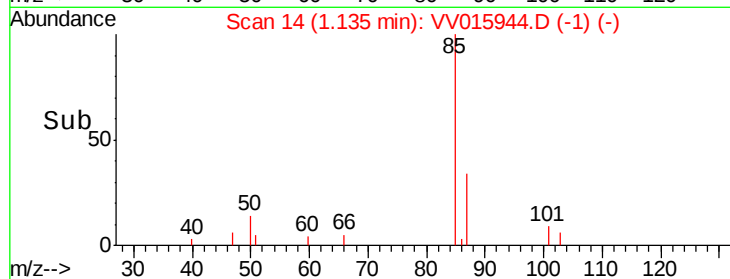
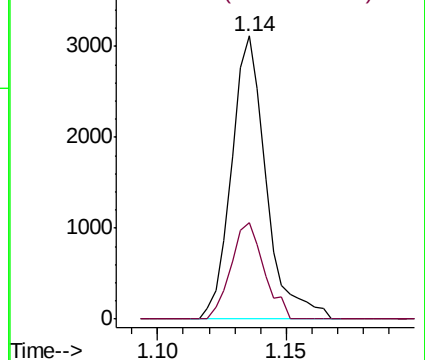
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.244 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015944.D

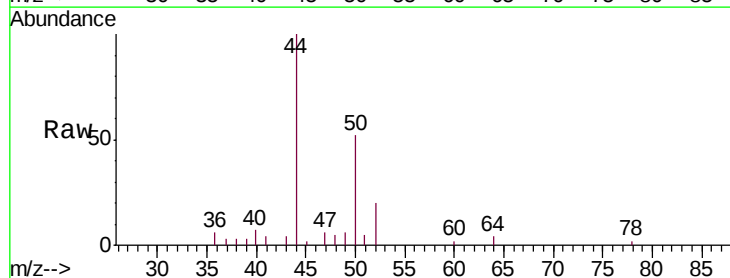
Acq: 07 May 2020 16:20

Tgt Ion: 50 Resp: 2882

Ion Ratio Lower Upper

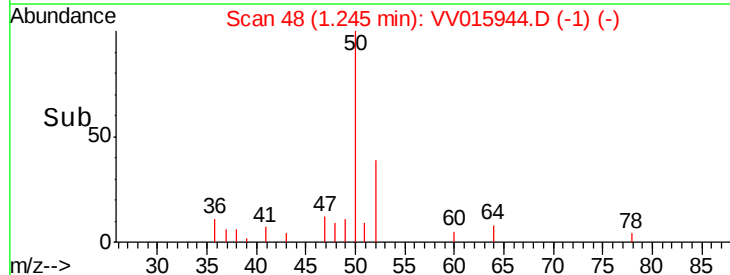
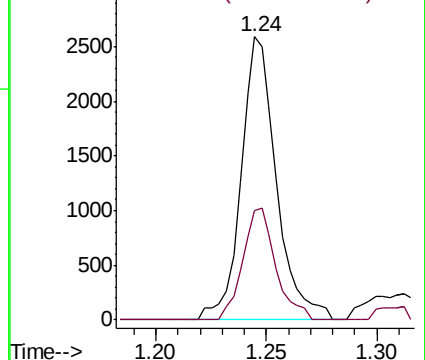
50 100

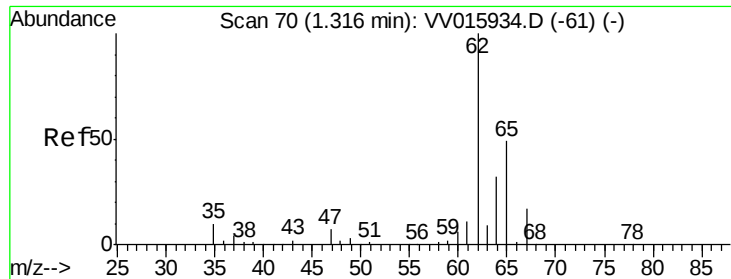
52 38.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.249 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

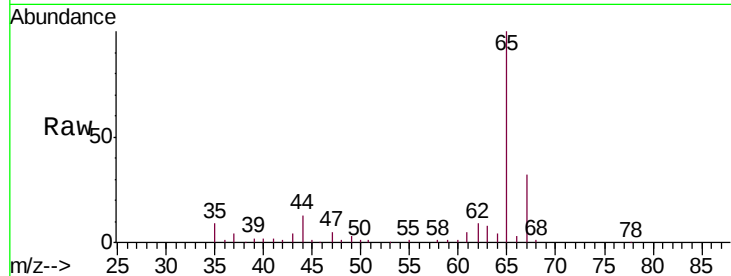
MDL06

Tgt Ion: 62 Resp: 2818

Ion Ratio Lower Upper

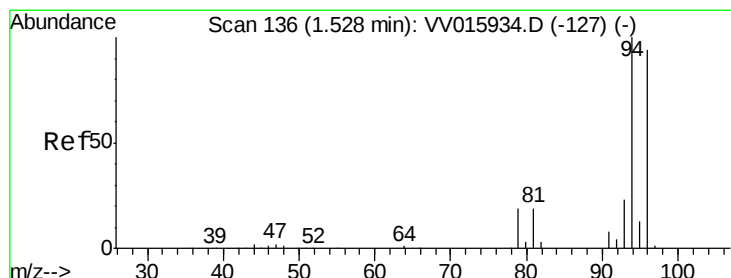
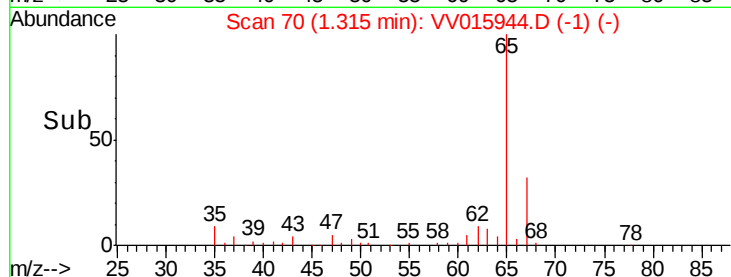
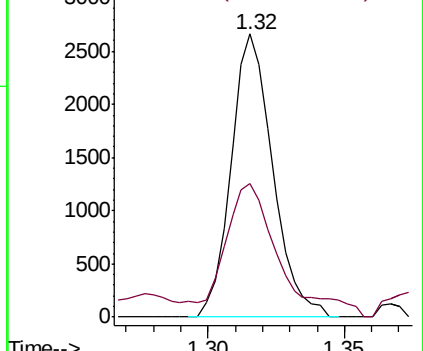
62 100

64 47.4 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.276 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015944.D

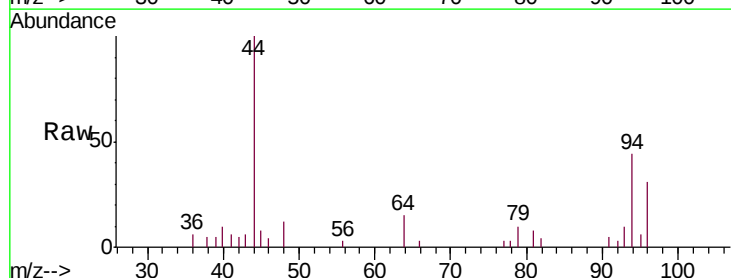
Acq: 07 May 2020 16:20

Tgt Ion: 94 Resp: 1772

Ion Ratio Lower Upper

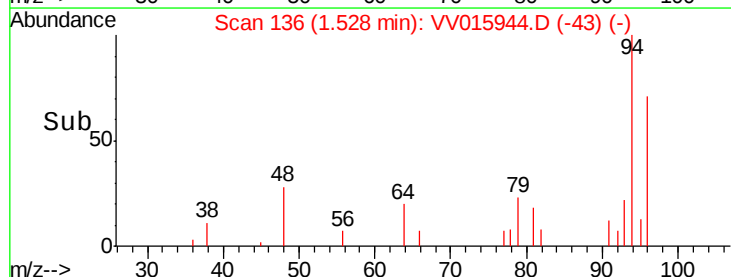
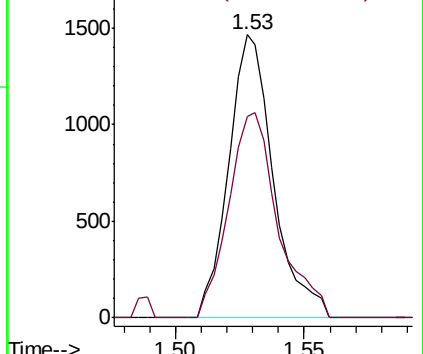
94 100

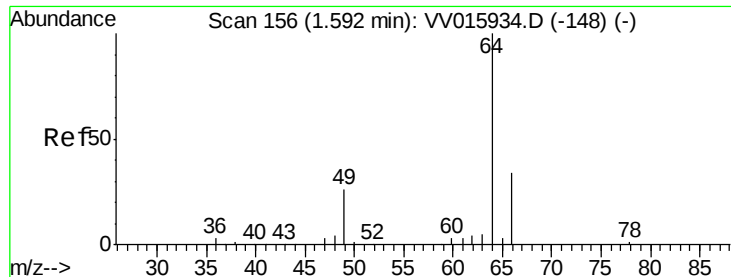
96 71.1 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

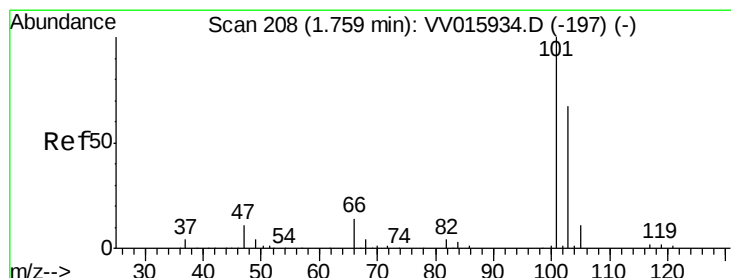
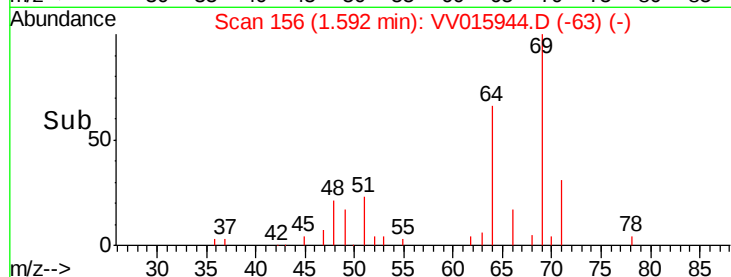
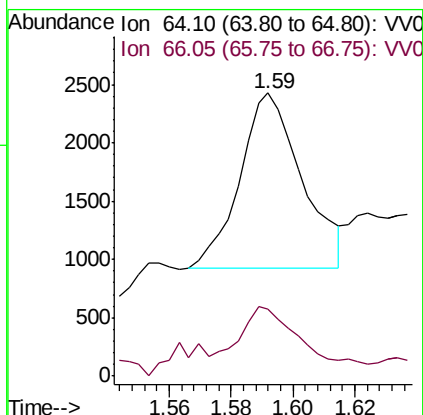
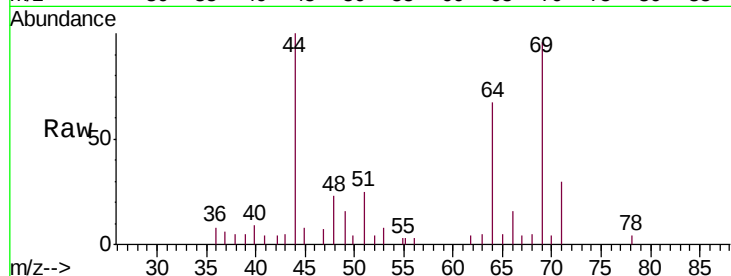




#8  
Chloroethane  
Concen: 0.260 ug/L  
RT: 1.59 min Scan# 156  
Delta R.T. -0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

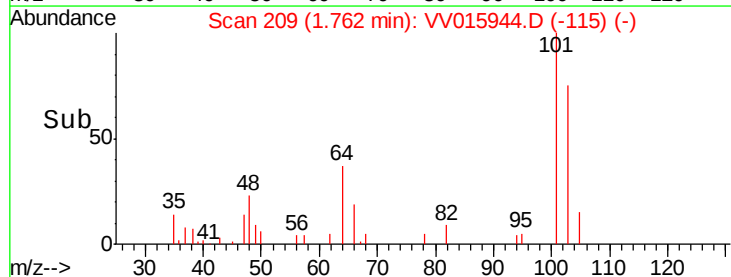
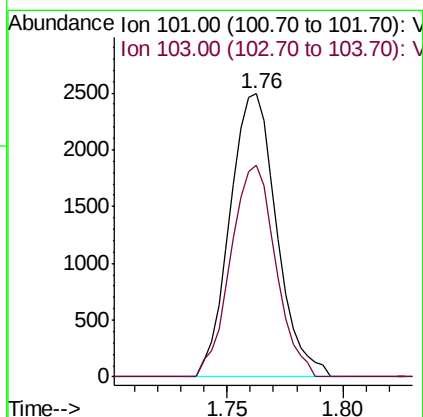
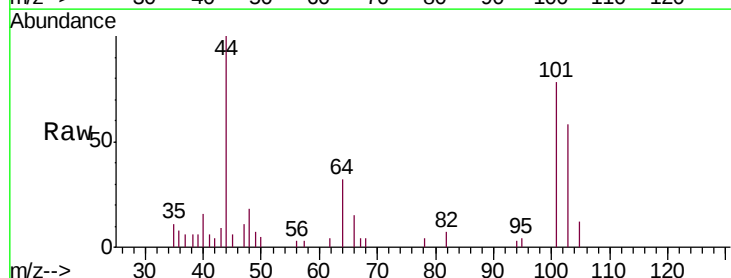
Instrument :  
MSVOA\_V  
ClientSampled :  
MDL06

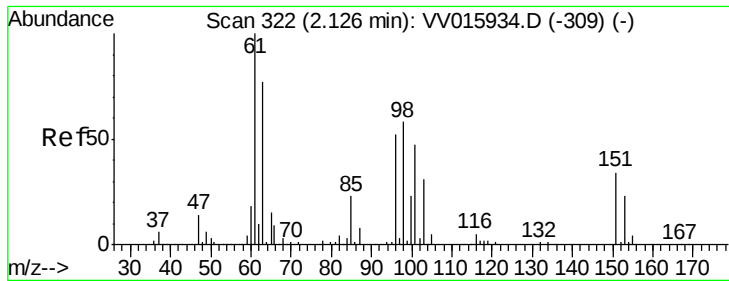
Tgt Ion: 64 Resp: 2095  
Ion Ratio Lower Upper  
64 100  
66 23.8 23.6 43.8



#9  
Trichlorofluoromethane  
Concen: 0.225 ug/L  
RT: 1.76 min Scan# 209  
Delta R.T. 0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Tgt Ion: 101 Resp: 3488  
Ion Ratio Lower Upper  
101 100  
103 72.0 51.4 77.2





#10

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

Concen: 0.276 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

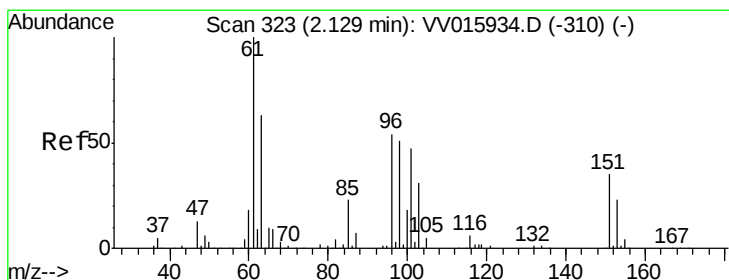
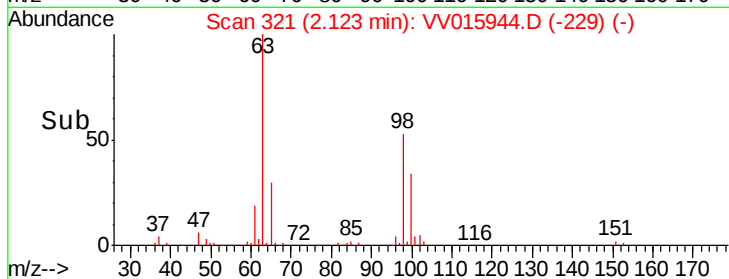
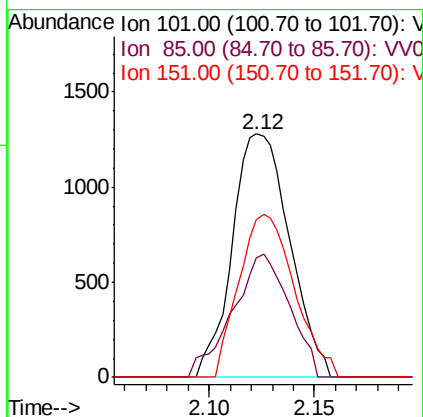
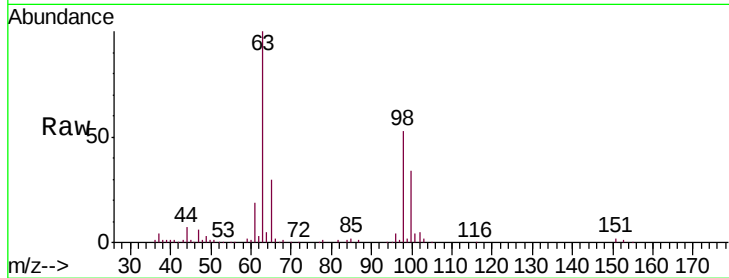
Tgt Ion:101 Resp: 2421

Ion Ratio Lower Upper

101 100

85 50.0 35.7 53.5

151 64.9 58.0 87.0



#12

1,1-Dichloroethene

Concen: 0.275 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

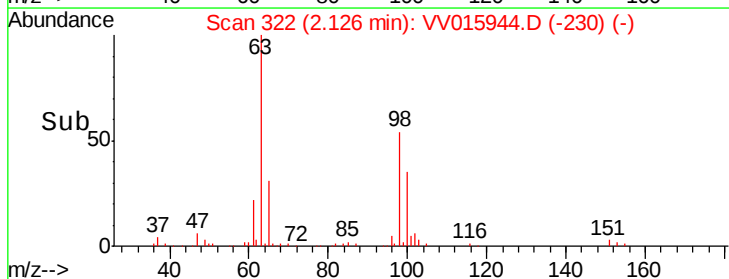
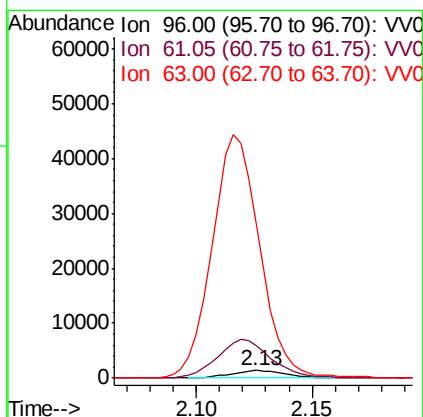
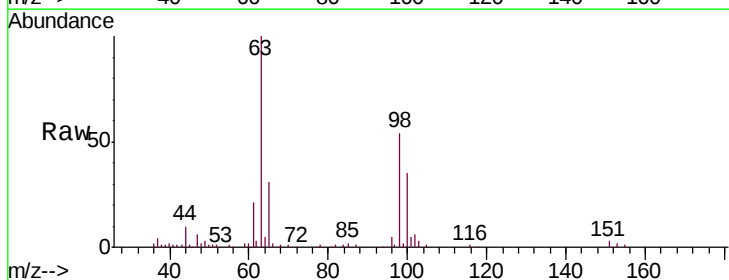
Tgt Ion: 96 Resp: 2308

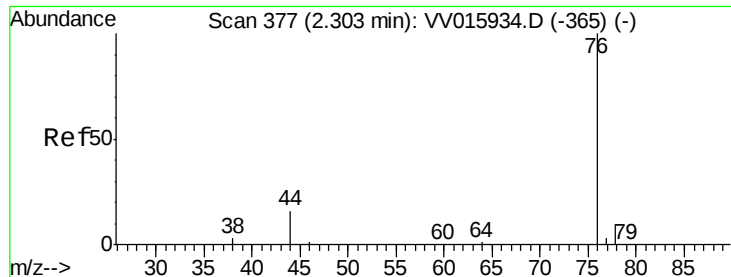
Ion Ratio Lower Upper

96 100

61 424.8 139.9 259.7#

63 1982.8 106.4 197.6#





#14

Carbon disulfide

Concen: 0.230 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampled :

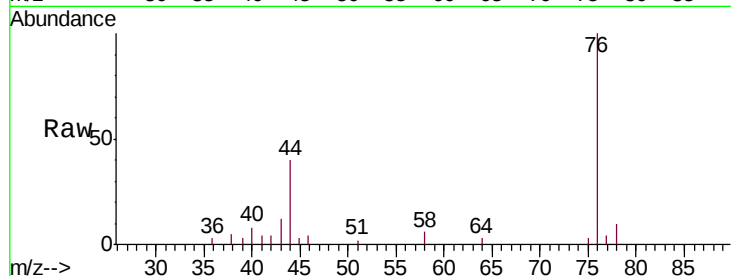
MDL06

Tgt Ion: 76 Resp: 6384

Ion Ratio Lower Upper

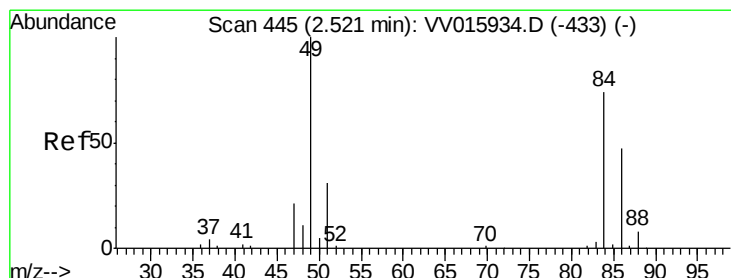
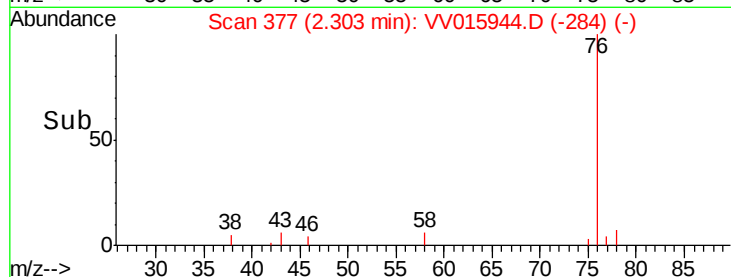
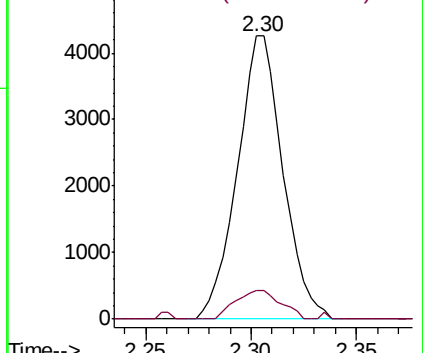
76 100

78 10.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.323 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

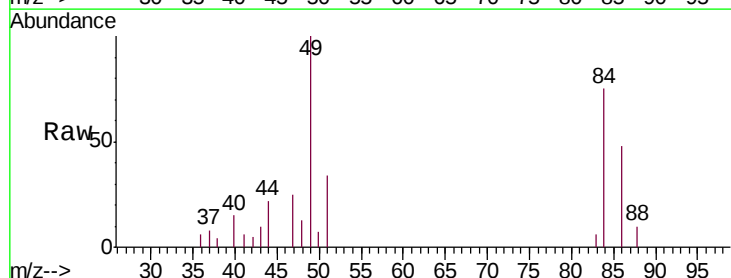
Tgt Ion: 84 Resp: 3247

Ion Ratio Lower Upper

84 100

86 64.2 45.6 84.8

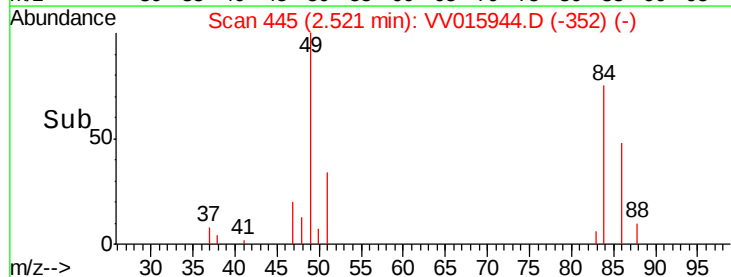
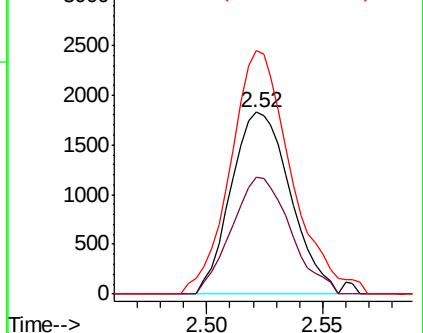
49 133.8 93.6 173.8

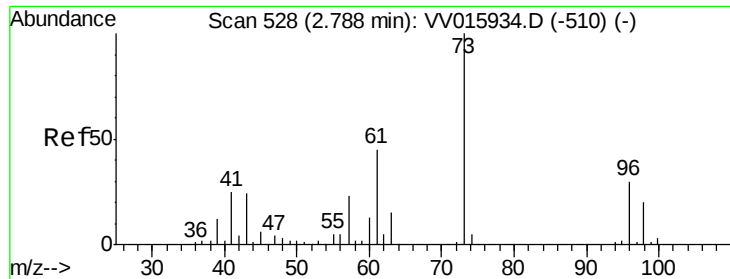


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

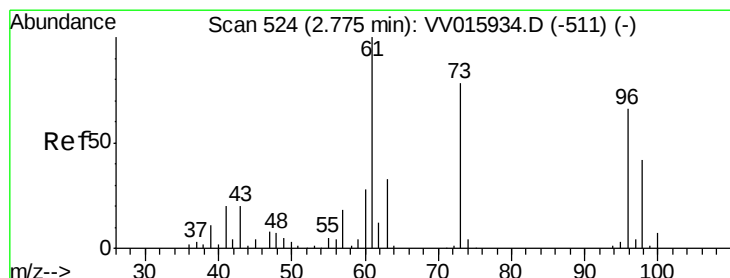
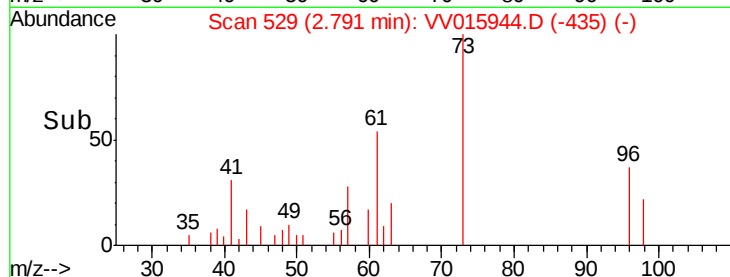
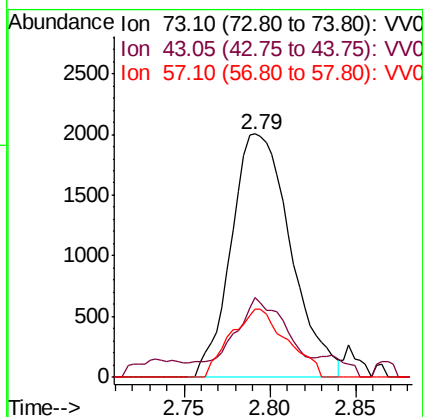
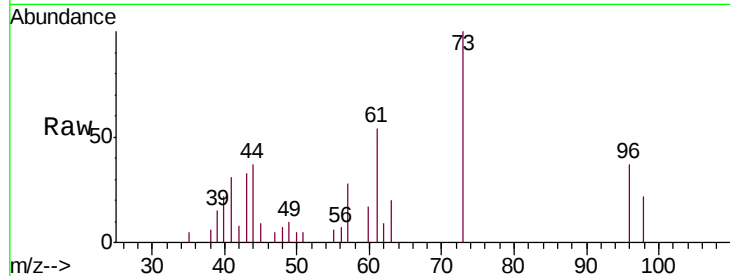




#17  
Methyl tert-butyl Ether  
Concen: 0.220 ug/L  
RT: 2.79 min Scan# 529  
Delta R.T. 0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

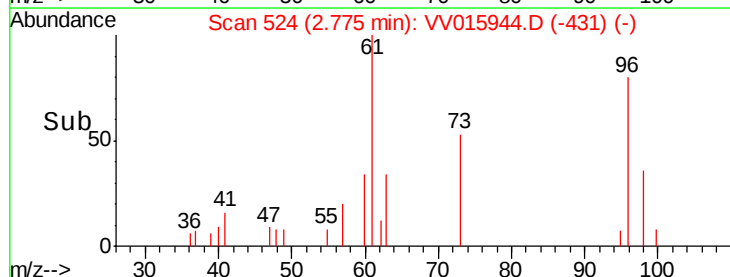
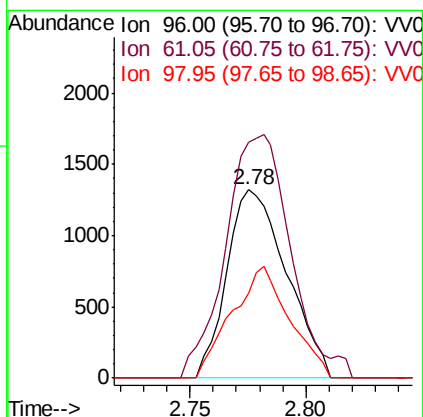
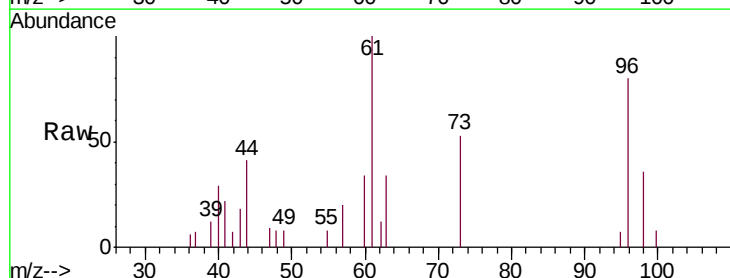
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

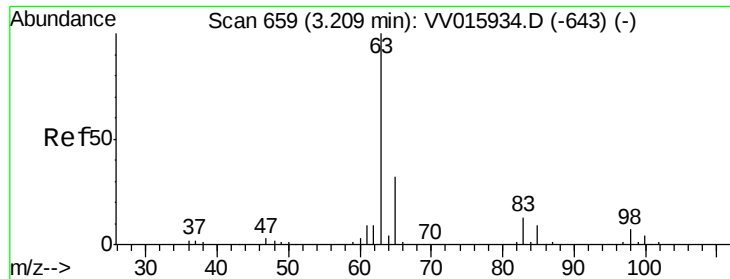
Tgt Ion: 73 Resp: 4806  
Ion Ratio Lower Upper  
73 100  
43 28.9 18.8 28.2#  
57 26.4 17.8 26.6



#18  
trans-1,2-Dichloroethene  
Concen: 0.255 ug/L  
RT: 2.78 min Scan# 524  
Delta R.T. -0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Tgt Ion: 96 Resp: 2364  
Ion Ratio Lower Upper  
96 100  
61 125.6 105.3 195.5  
98 45.0 44.0 81.6

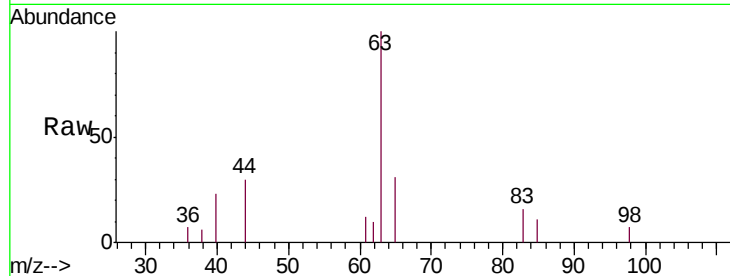




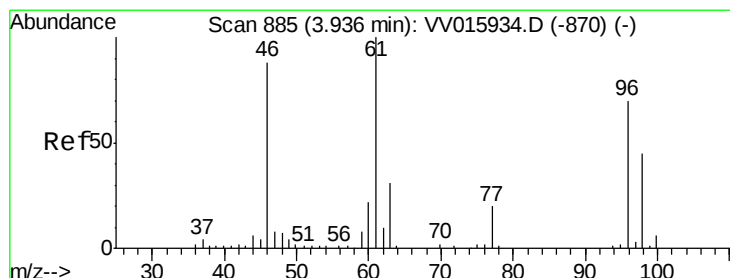
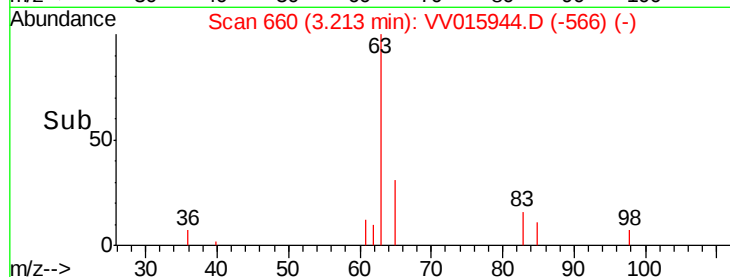
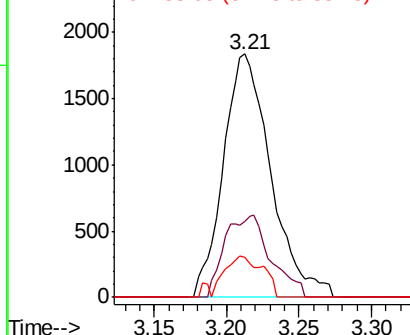
#19  
 1,1-Dichloroethane  
 Concen: 0.234 ug/L  
 RT: 3.21 min Scan# 660  
 Delta R.T. 0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

Tgt Ion: 63 Resp: 4174  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 22.0 41.0  
 83 16.5 9.8 18.2

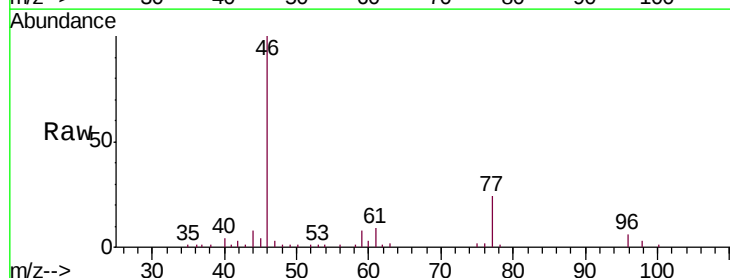


Abundance Ion 63.10 (62.80 to 63.80): VV0  
 Ion 65.10 (64.80 to 65.80): VV0  
 Ion 83.05 (82.75 to 83.75): VV0

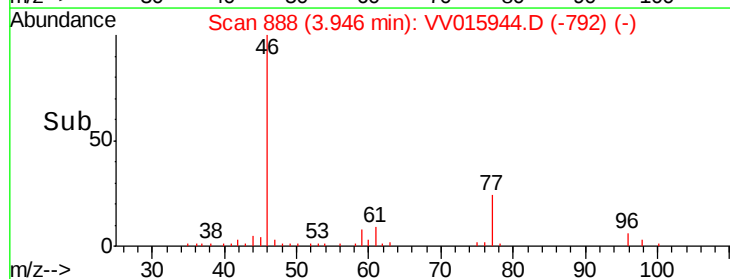
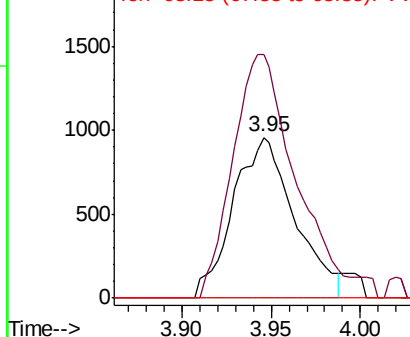


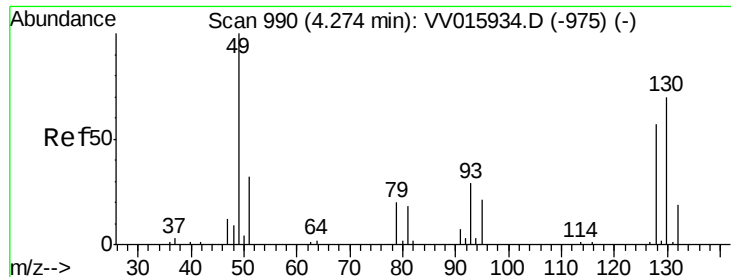
#22  
 cis-1,2-Dichloroethene  
 Concen: 0.237 ug/L  
 RT: 3.95 min Scan# 888  
 Delta R.T. 0.01 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Tgt Ion: 96 Resp: 2298  
 Ion Ratio Lower Upper  
 96 100  
 61 151.5 97.2 180.6  
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0  
 Ion 61.05 (60.75 to 61.75): VV0  
 Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.227 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Tgt Ion:128 Resp: 942

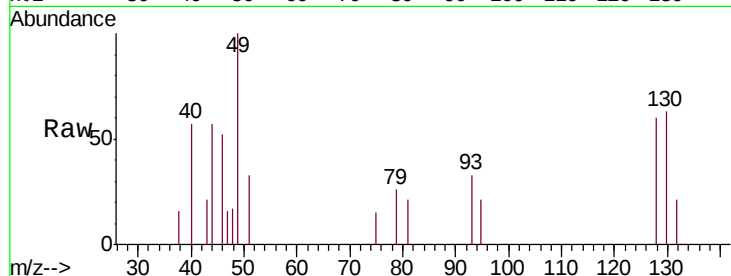
Ion Ratio Lower Upper

128 100

49 166.8 131.3 243.8

130 105.6 91.8 170.4

51 55.7 48.8 73.2

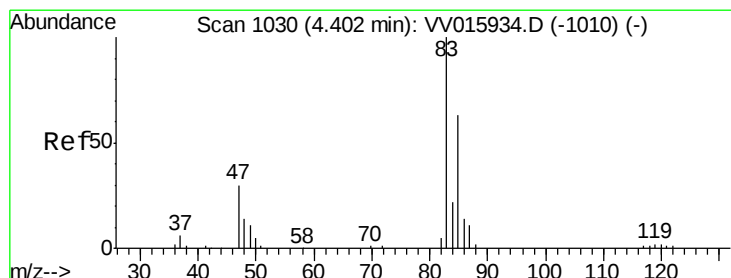
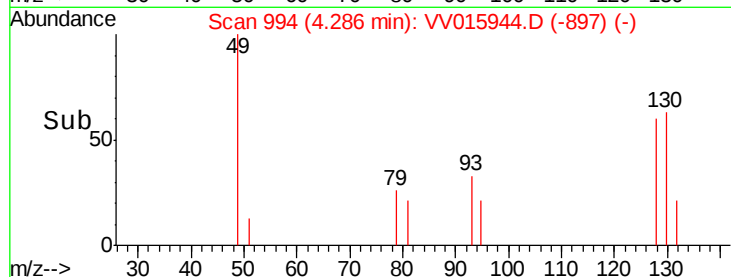
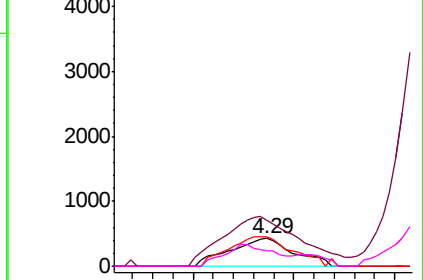


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.647 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015944.D

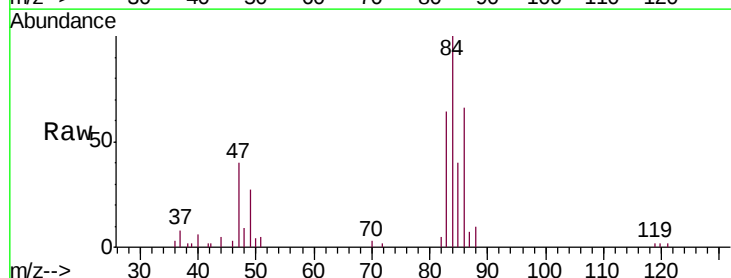
Acq: 07 May 2020 16:20

Tgt Ion: 83 Resp: 12725

Ion Ratio Lower Upper

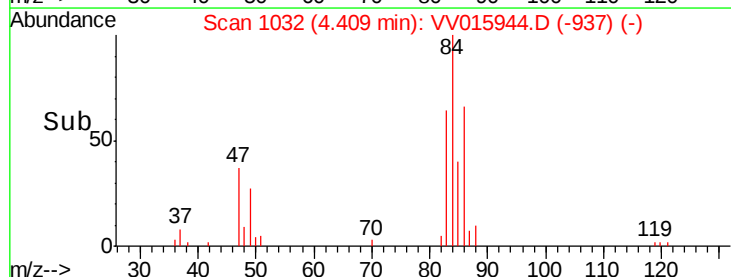
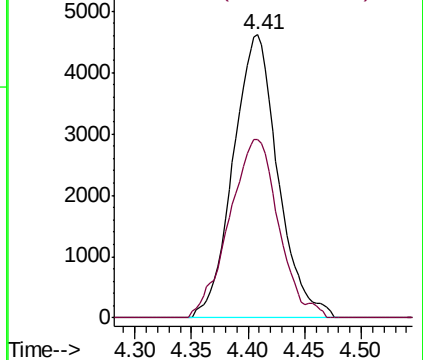
83 100

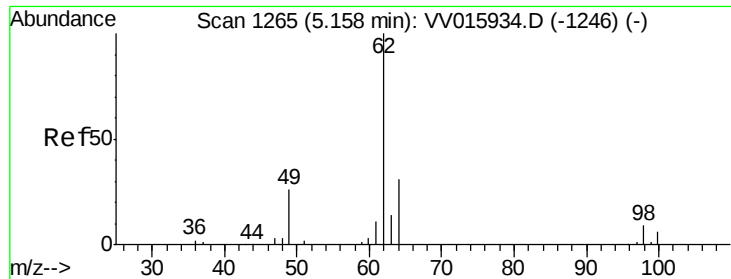
85 63.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.243 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.02 min

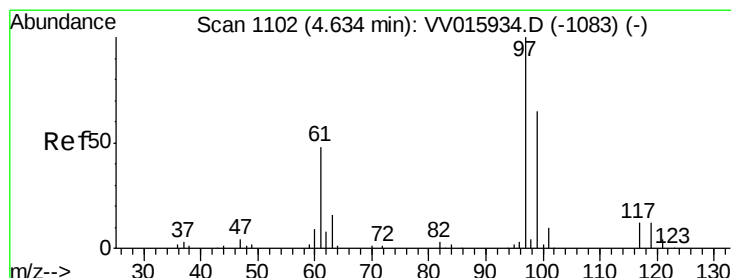
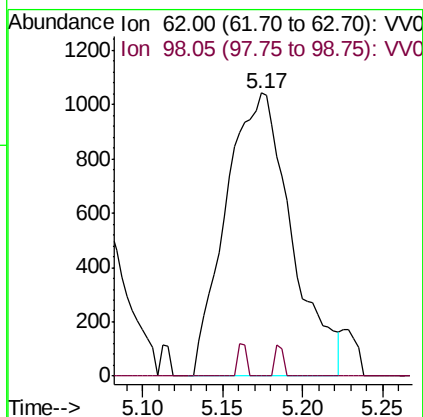
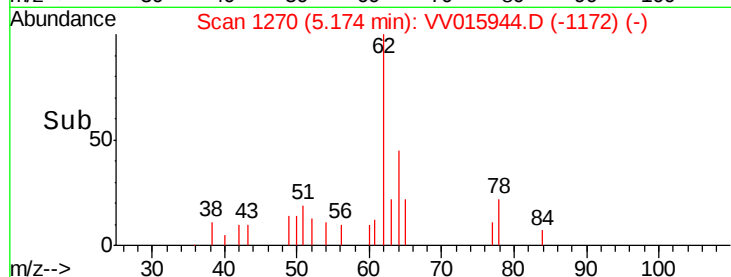
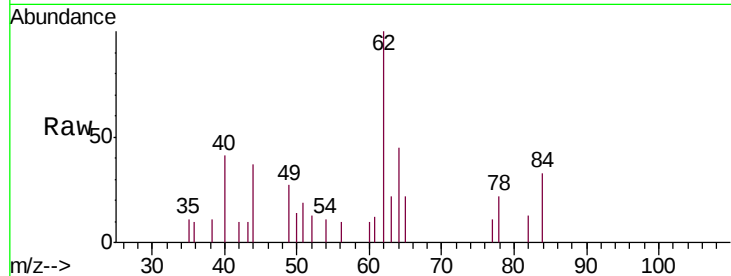
Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :  
MSVOA\_V  
ClientSampled :  
MDL06

Tgt Ion: 62 Resp: 2935

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 0.0   | 6.7   | 10.1# |



#29

1,1,1-Trichloroethane

Concen: 0.231 ug/L

RT: 4.64 min Scan# 1104

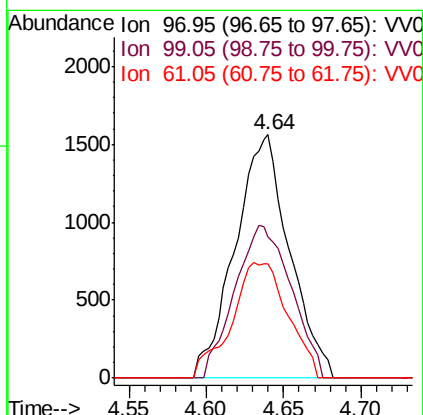
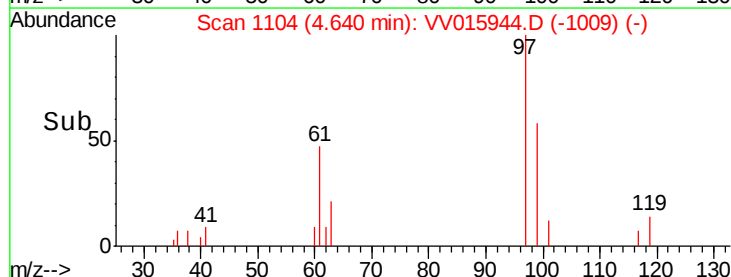
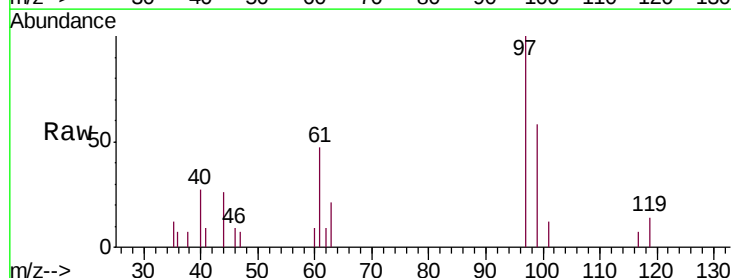
Delta R.T. 0.01 min

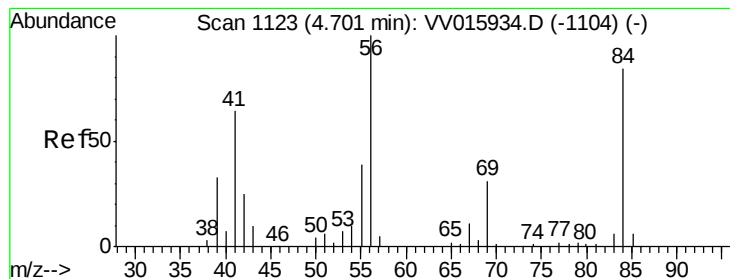
Lab File: VV015944.D

Acq: 07 May 2020 16:20

Tgt Ion: 97 Resp: 3814

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.0  | 50.7  | 76.1  |
| 61  | 48.9  | 38.8  | 58.2  |





#30

Cyclohexane

Concen: 0.230 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

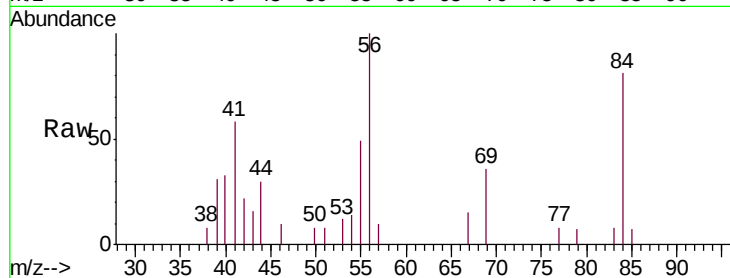
Tgt Ion: 56 Resp: 3812

Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.2

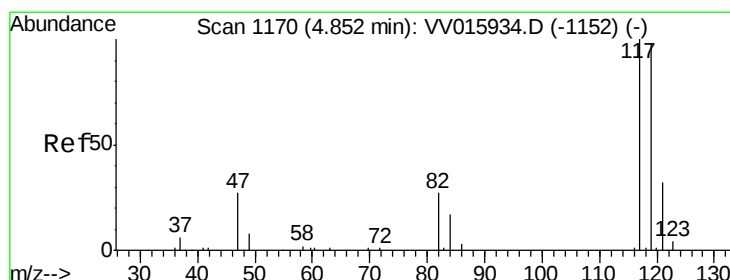
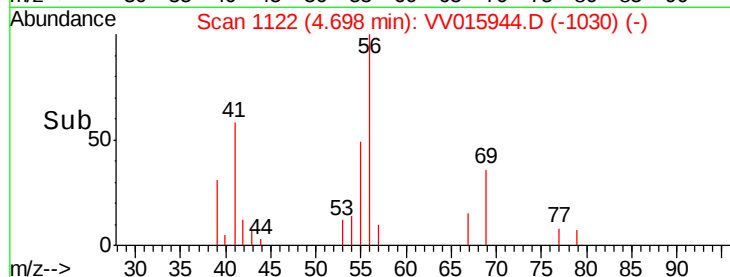
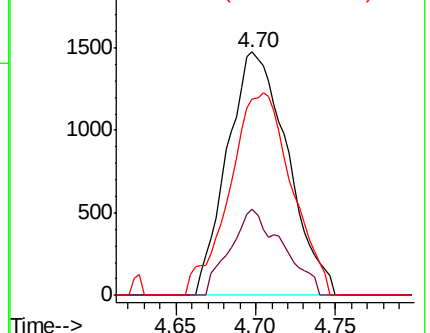
84 85.5 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV015934.D (-1104) (-)

Ion 69.15 (68.85 to 69.85): VV015934.D (-1104) (-)

Ion 84.15 (83.85 to 84.85): VV015934.D (-1104) (-)



#31

Carbon tetrachloride

Concen: 0.215 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015944.D

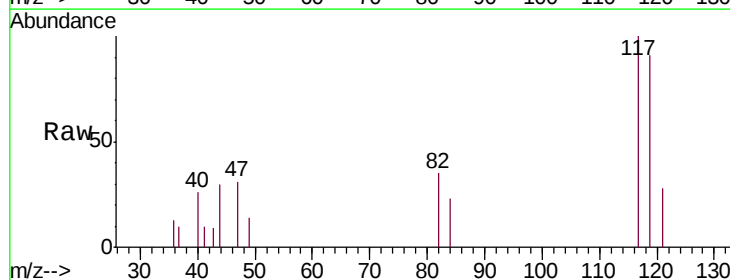
Acq: 07 May 2020 16:20

Tgt Ion: 117 Resp: 3062

Ion Ratio Lower Upper

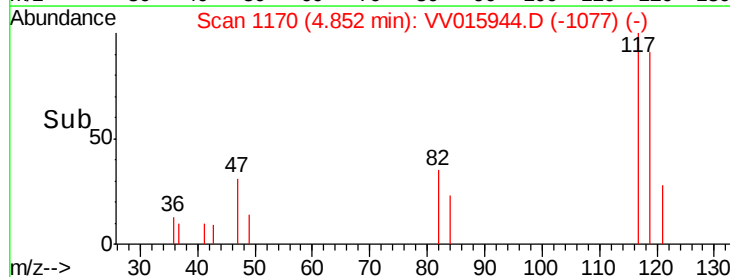
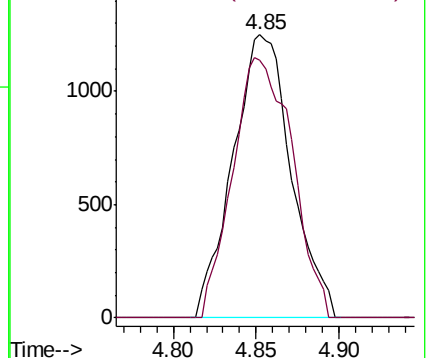
117 100

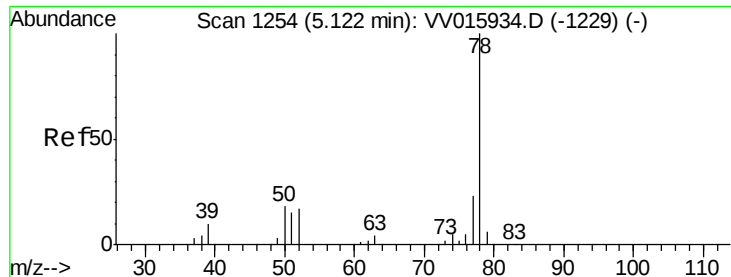
119 93.8 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): VV015934.D (-1152) (-)

Ion 118.90 (118.60 to 119.60): VV015934.D (-1152) (-)

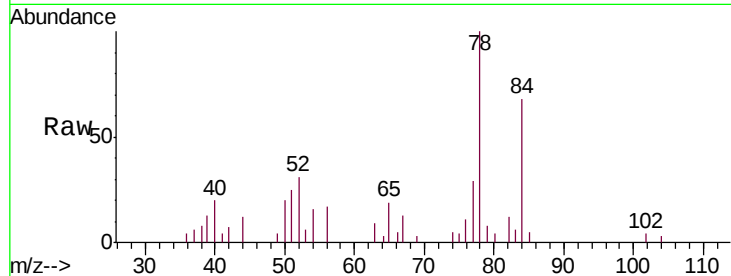




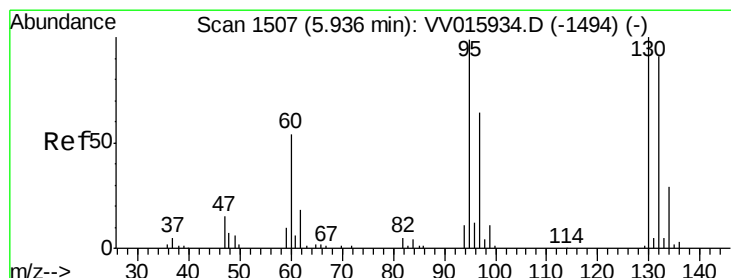
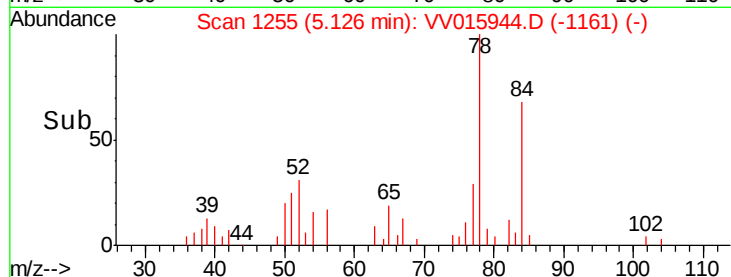
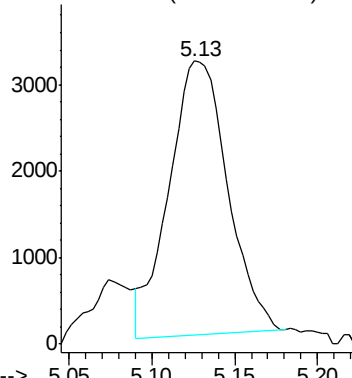
#33  
Benzene  
Concen: 0.207 ug/L  
RT: 5.13 min Scan# 1255  
Delta R.T. 0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Tgt Ion: 78 Resp: 7805



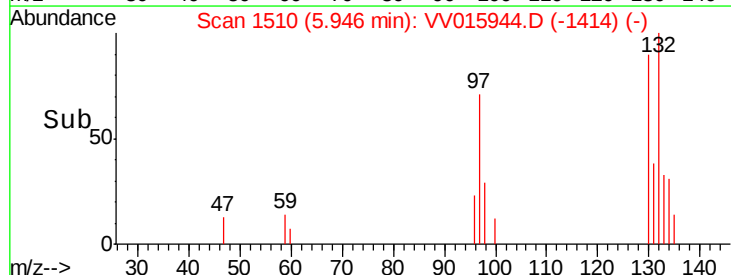
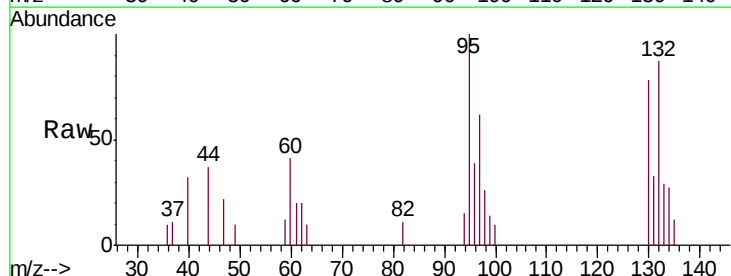
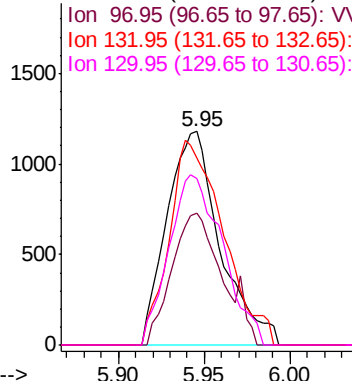
Abundance Ion 78.10 (77.80 to 78.80): VV0

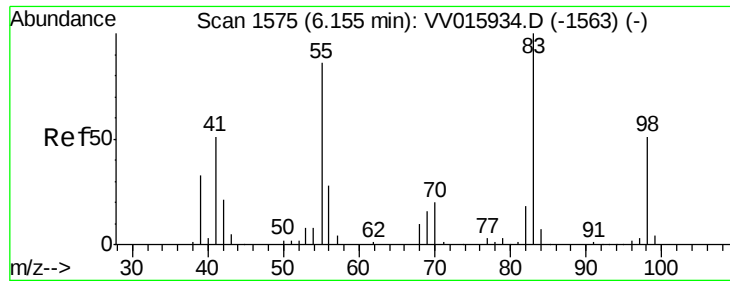


#34  
Trichloroethene  
Concen: 0.238 ug/L  
RT: 5.95 min Scan# 1510  
Delta R.T. 0.01 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Tgt Ion: 95 Resp: 2555  
Ion Ratio Lower Upper  
95 100  
97 61.9 43.3 80.5  
132 87.4 60.3 112.1  
130 78.2 66.0 122.6

Abundance Ion 95.00 (94.70 to 95.70): VV0

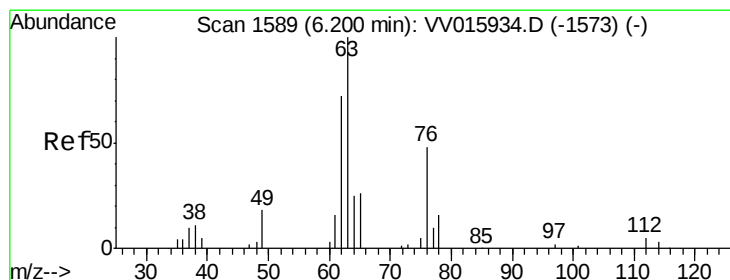
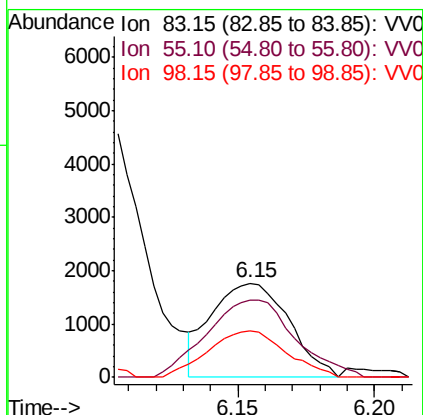
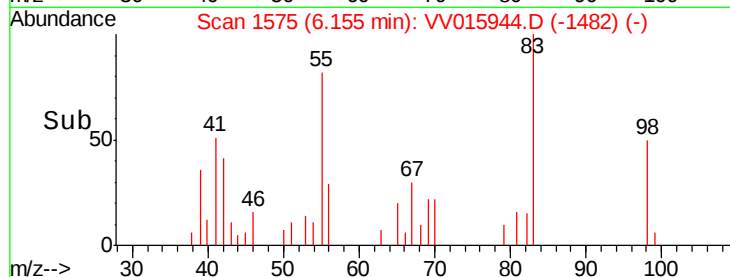
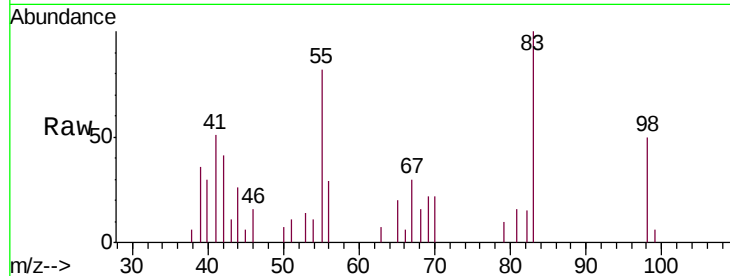




#35  
Methylcyclohexane  
Concen: 0.214 ug/L  
RT: 6.15 min Scan# 1575  
Delta R.T. -0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

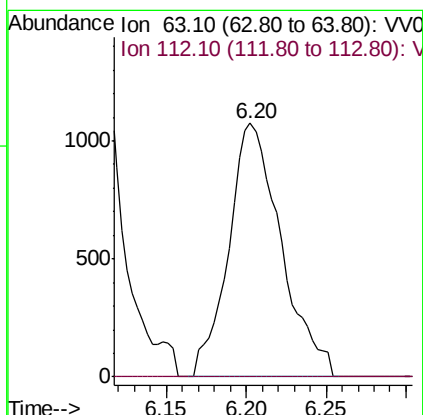
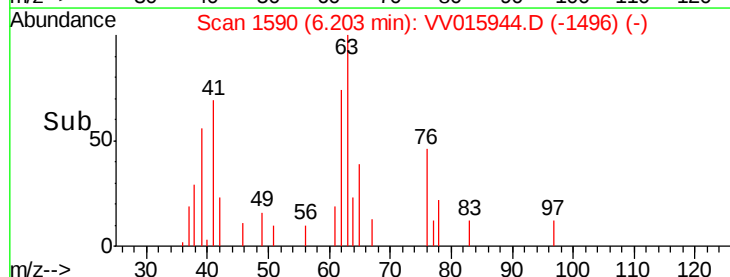
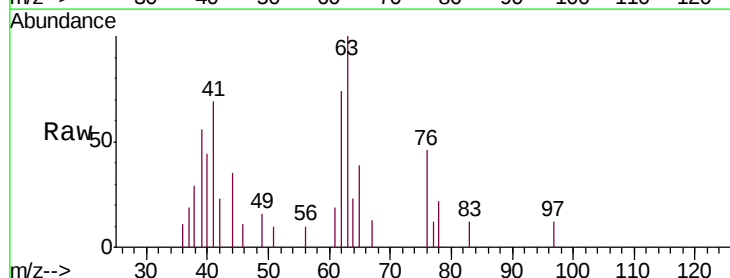
Instrument :  
MSVOA\_V  
ClientSampled :  
MDL06

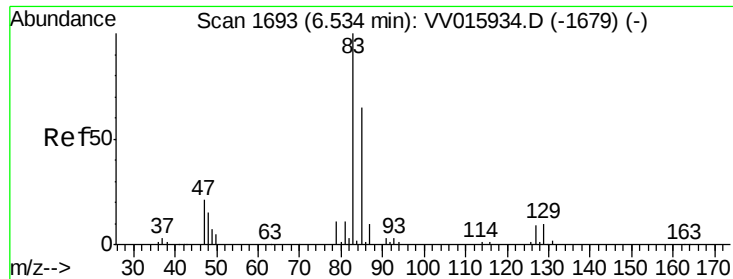
Tgt Ion: 83 Resp: 3487  
Ion Ratio Lower Upper  
83 100  
55 93.4 66.2 99.2  
98 49.7 37.9 56.9



#37  
1,2-Dichloropropane  
Concen: 0.252 ug/L  
RT: 6.20 min Scan# 1590  
Delta R.T. 0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Tgt Ion: 63 Resp: 2410  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#





#38

Bromodichloromethane

Concen: 0.222 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

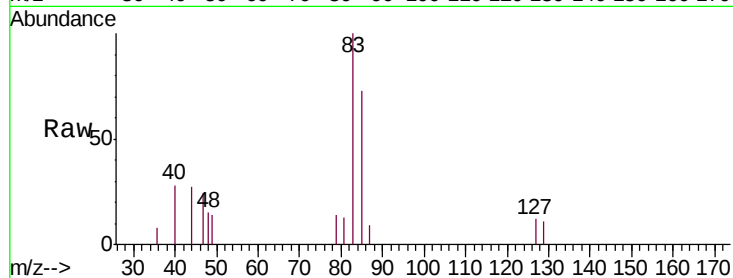
Tgt Ion: 83 Resp: 2702

Ion Ratio Lower Upper

83 100

85 73.3 45.5 84.5

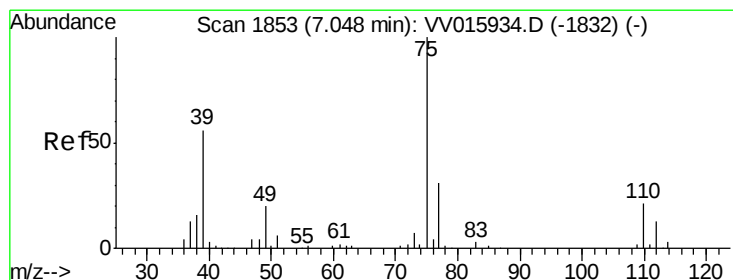
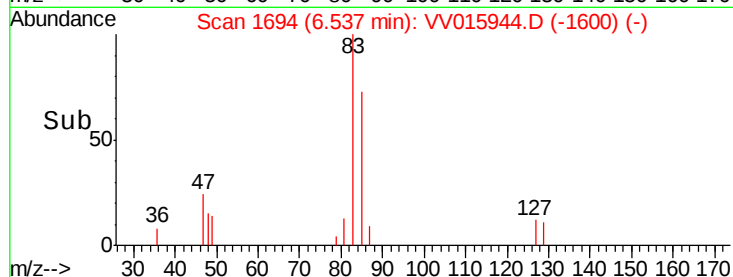
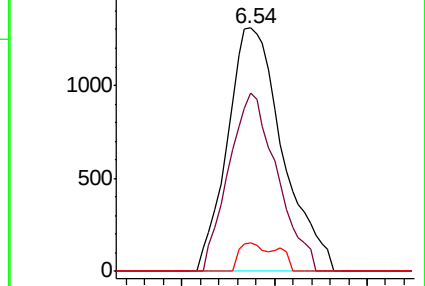
127 12.0 6.2 9.4#



Abundance Ion 82.95 (82.65 to 83.65): VV015944.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015944.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015944.D (-1679) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.218 ug/L

RT: 7.06 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VV015944.D

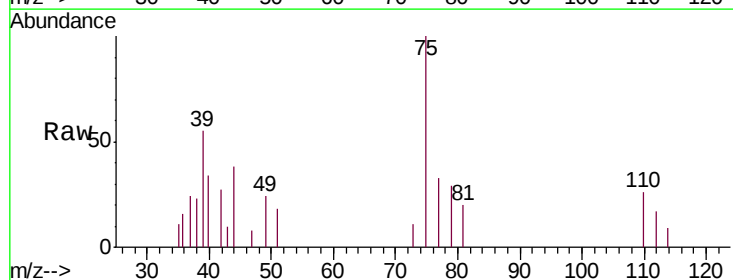
Acq: 07 May 2020 16:20

Tgt Ion: 75 Resp: 2945

Ion Ratio Lower Upper

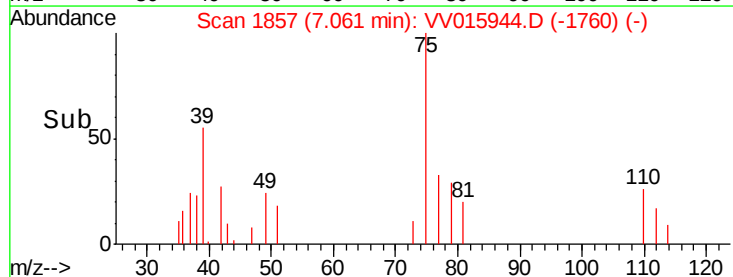
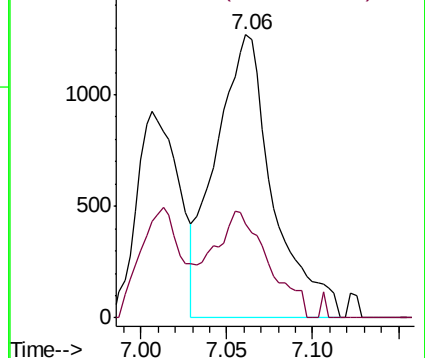
75 100

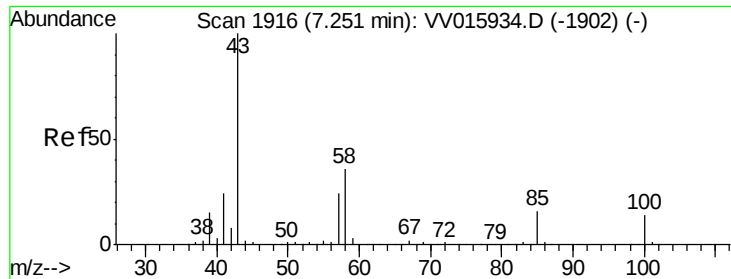
77 33.0 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV015944.D (-1760) (-)

Ion 77.05 (76.75 to 77.75): VV015944.D (-1760) (-)

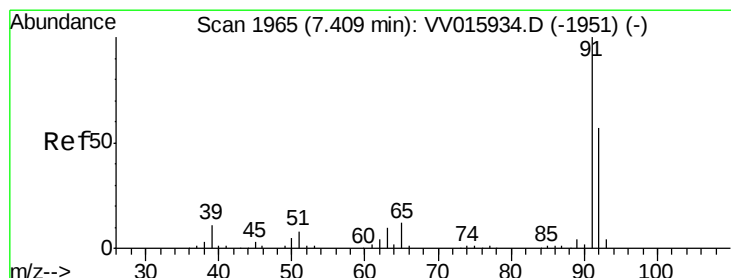
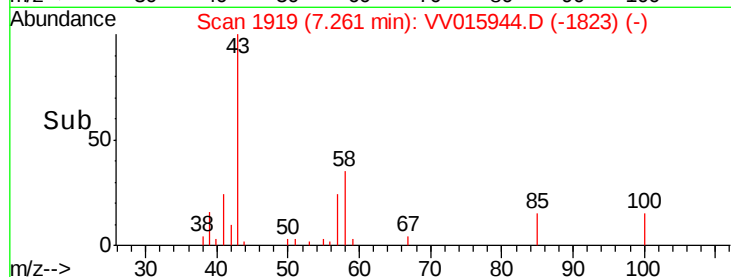
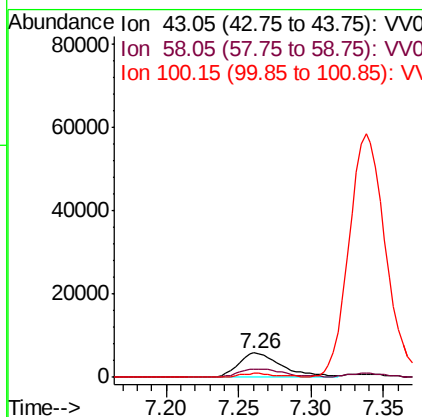
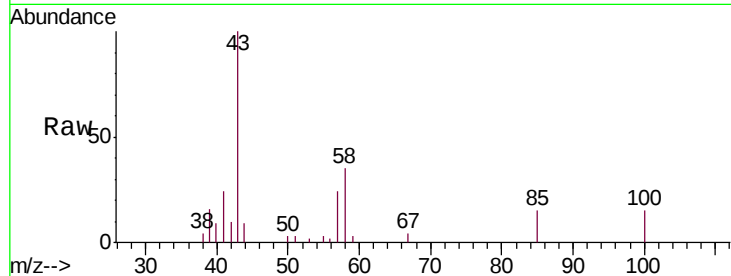




#40  
 4-Methyl-2-pentanone  
 Concen: 2.080 ug/L  
 RT: 7.26 min Scan# 1919  
 Delta R.T. 0.01 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

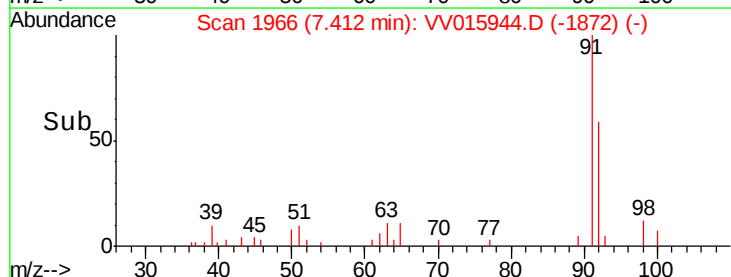
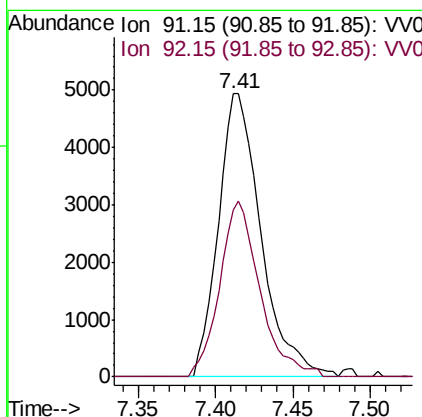
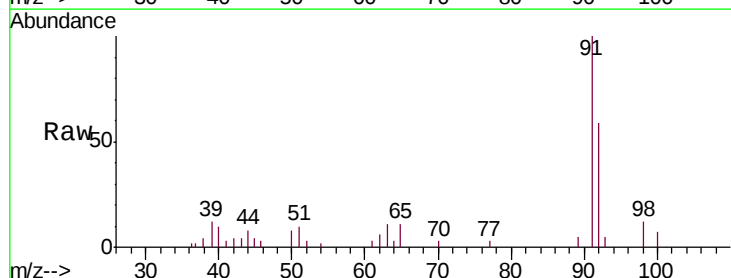
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

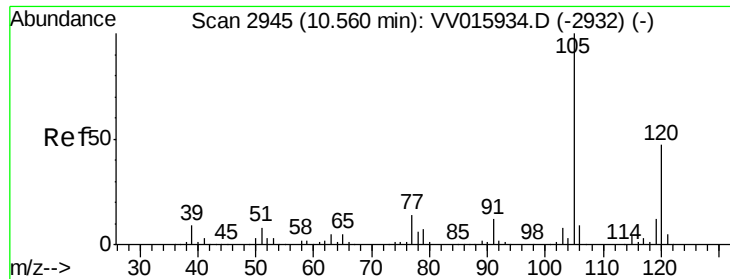
Tgt Ion: 43 Resp: 12408  
 Ion Ratio Lower Upper  
 43 100  
 58 36.7 29.0 43.4  
 100 0.0 10.9 16.3#



#42  
 Toluene  
 Concen: 0.237 ug/L  
 RT: 7.41 min Scan# 1966  
 Delta R.T. 0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Tgt Ion: 91 Resp: 9471  
 Ion Ratio Lower Upper  
 91 100  
 92 58.8 40.1 74.5

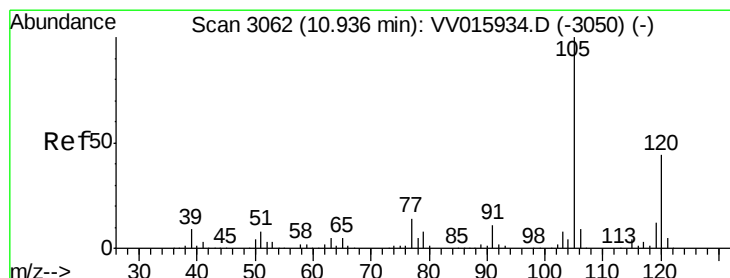
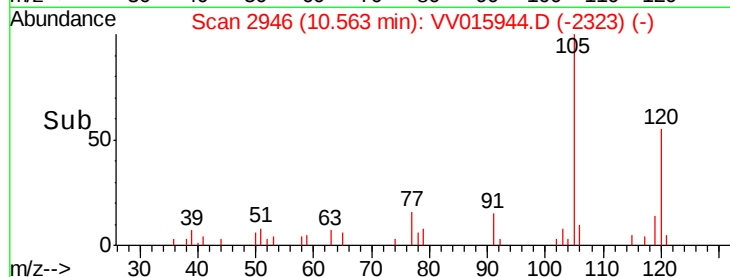
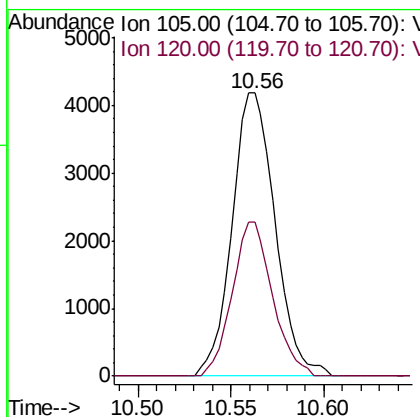
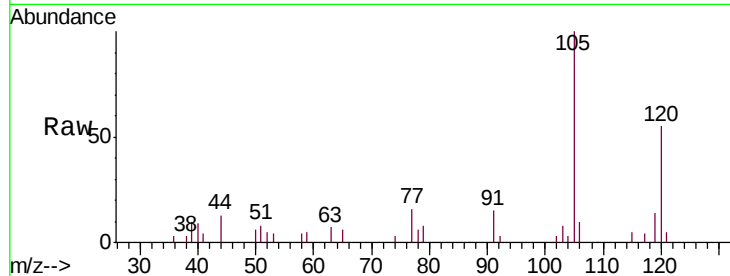




#43  
 1,3,5-Trimethylbenzene  
 Concen: 0.184 ug/L  
 RT: 10.56 min Scan# 2946  
 Delta R.T. 0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

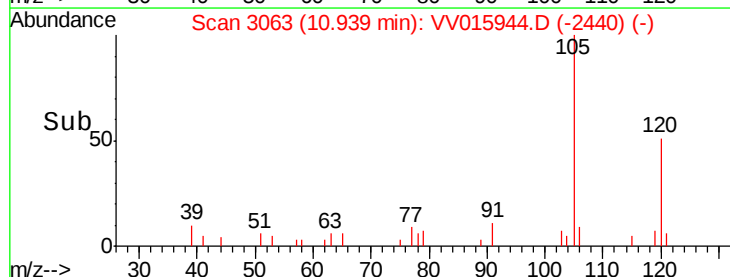
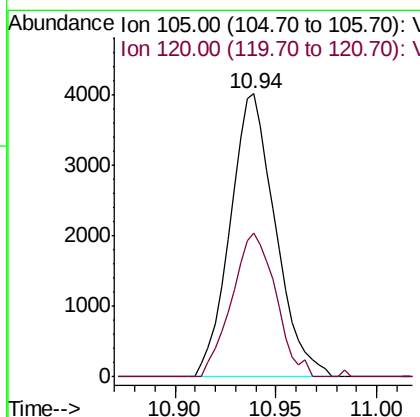
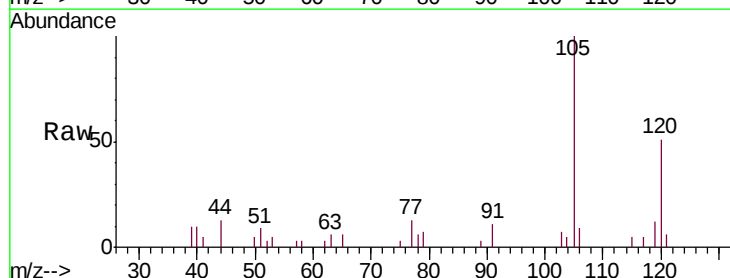
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

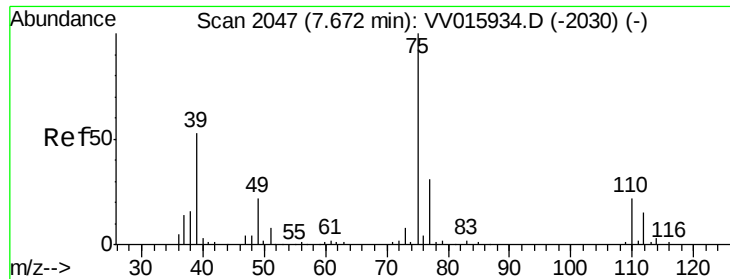
Tgt Ion:105 Resp: 6734  
 Ion Ratio Lower Upper  
 105 100  
 120 51.0 0.0 0.0#



#44  
 1,2,4-Trimethylbenzene  
 Concen: 0.172 ug/L  
 RT: 10.94 min Scan# 3063  
 Delta R.T. 0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Tgt Ion:105 Resp: 6293  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 0.0 0.0#





#46

trans-1,3-Dichloropropene

Concen: 0.299 ug/L

RT: 7.68 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampled :

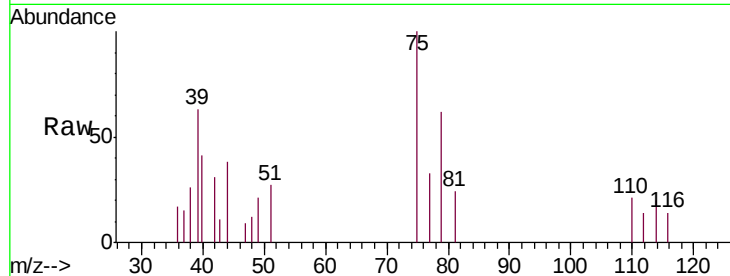
MDL06

Tgt Ion: 75 Resp: 3422

Ion Ratio Lower Upper

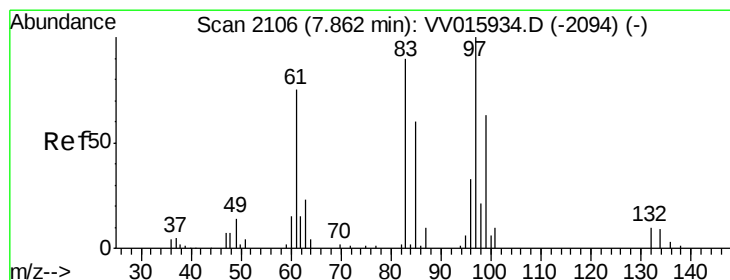
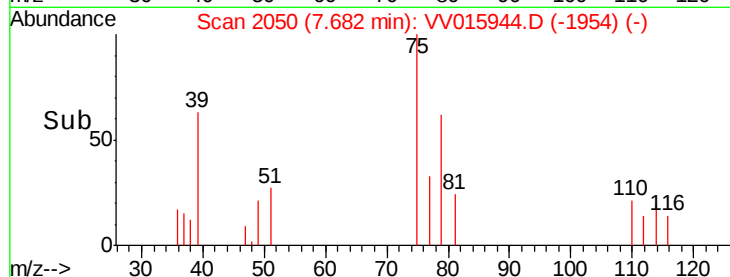
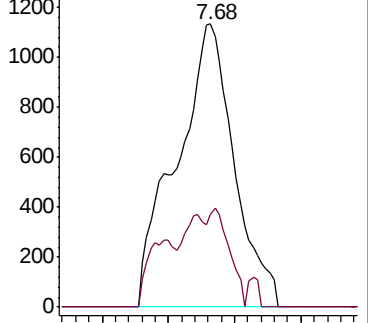
75 100

77 32.8 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015934.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015934.D (-2030) (-)



#47

1,1,2-Trichloroethane

Concen: 0.221 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Tgt Ion: 97 Resp: 1415

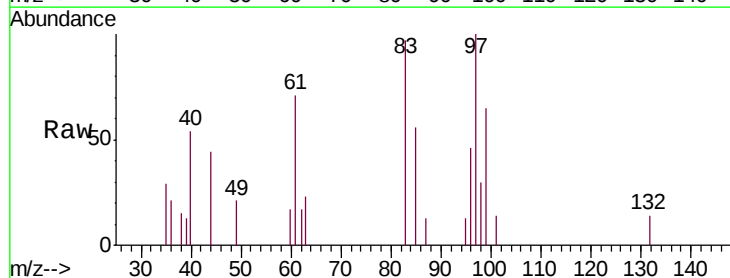
Ion Ratio Lower Upper

97 100

99 64.9 42.1 78.1

83 97.0 59.2 110.0

85 55.8 38.6 71.8

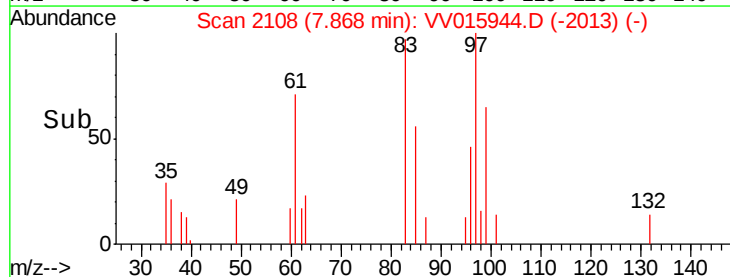
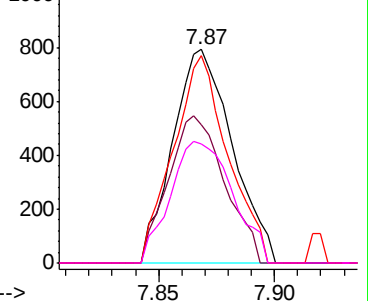


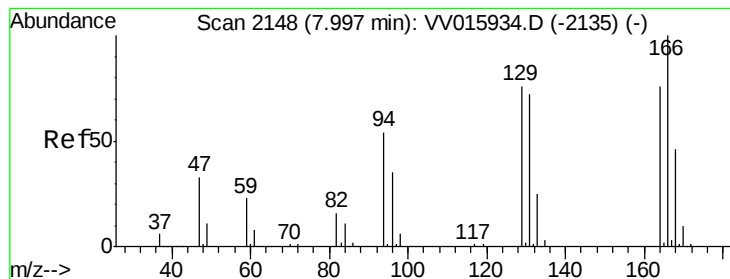
Abundance Ion 96.95 (96.65 to 97.65): VV015934.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015934.D (-2094) (-)

Ion 82.95 (82.65 to 83.65): VV015934.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015934.D (-2094) (-)





#49

Tetrachloroethene

Concen: 0.232 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

Tgt Ion:164 Resp: 1741

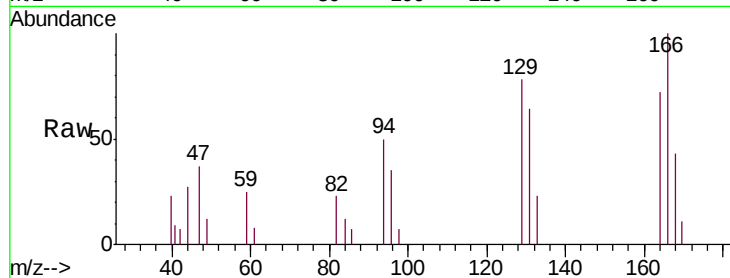
Ion Ratio Lower Upper

164 100

129 107.3 69.7 129.4

131 89.0 66.8 124.2

166 138.2 89.1 165.5



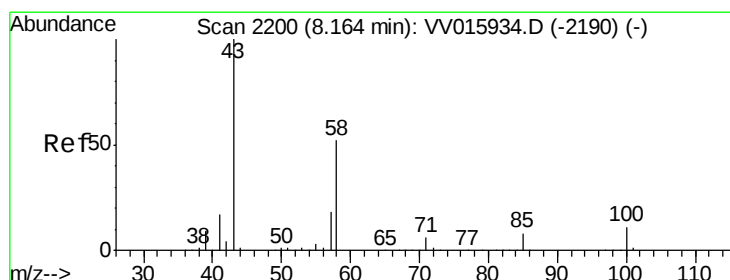
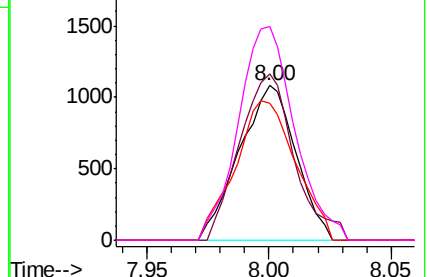
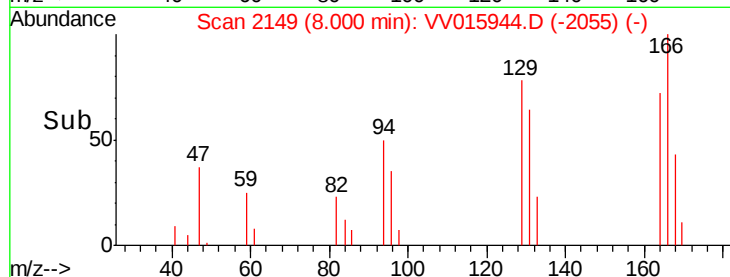
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



#50

2-Hexanone

Concen: 3.949 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Tgt Ion: 43 Resp: 16663

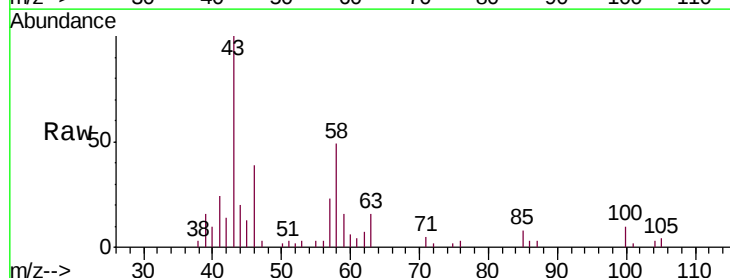
Ion Ratio Lower Upper

43 100

58 41.7 40.8 61.2

57 18.0 14.7 22.1

100 8.4 9.0 13.6#



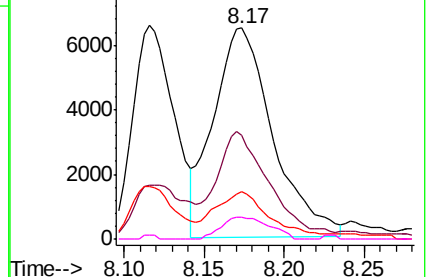
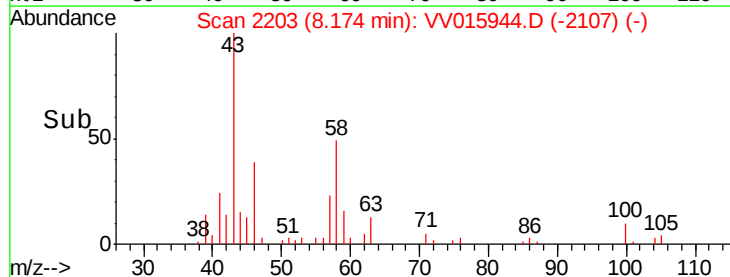
Abundance Ion 43.05 (42.75 to 43.75): VV0

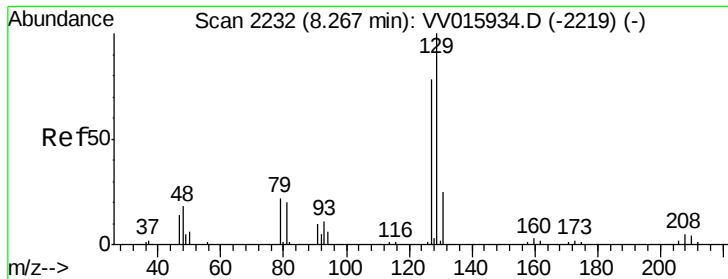
Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

Time-->





#51

Dibromochloromethane

Concen: 0.225 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampled :

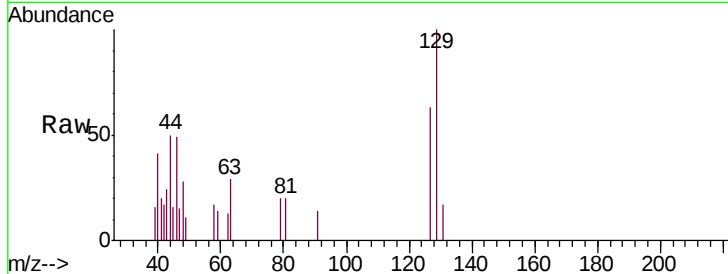
MDL06

Tgt Ion:129 Resp: 1616

Ion Ratio Lower Upper

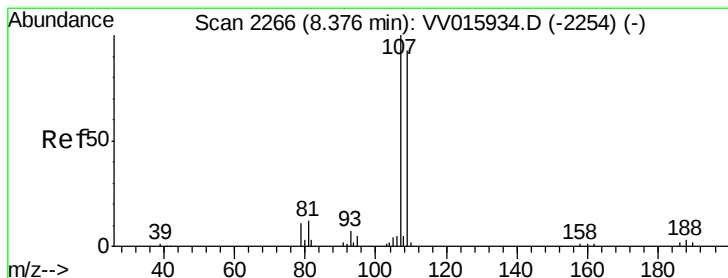
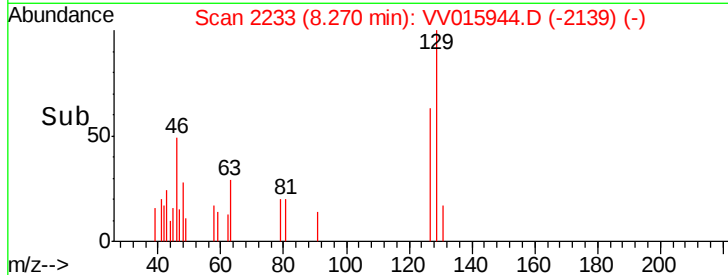
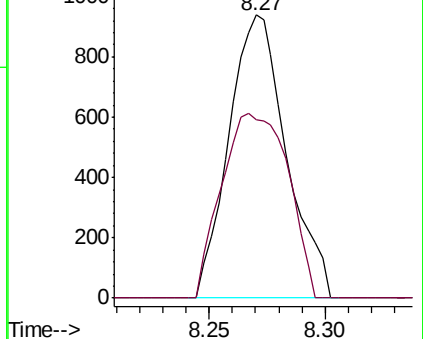
129 100

127 63.0 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

1,2-Dibromoethane

Concen: 0.244 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

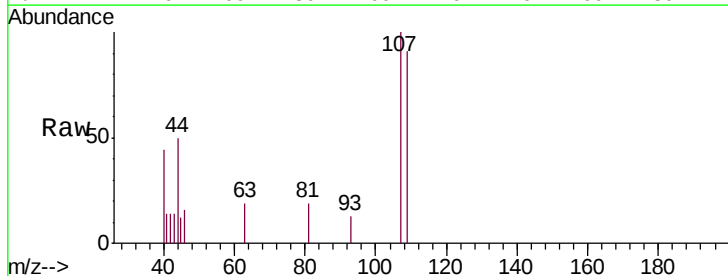
Tgt Ion:107 Resp: 1448

Ion Ratio Lower Upper

107 100

109 91.3 68.9 127.9

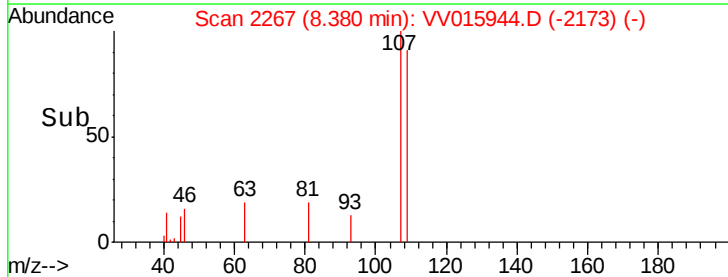
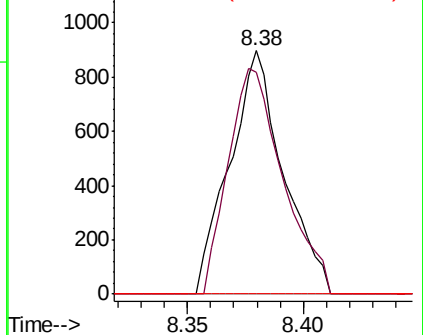
188 0.0 2.7 4.1#

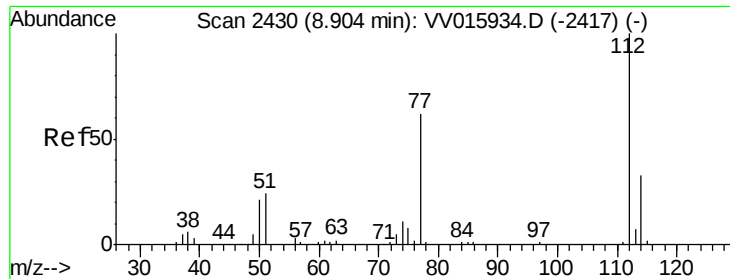


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

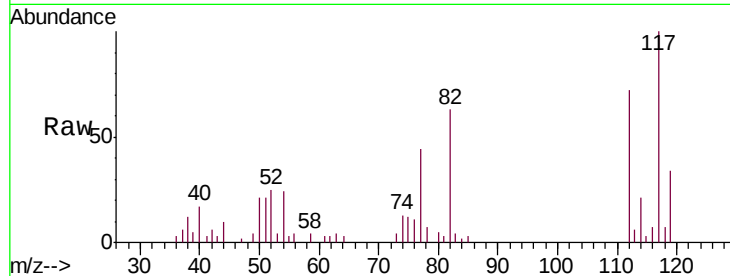




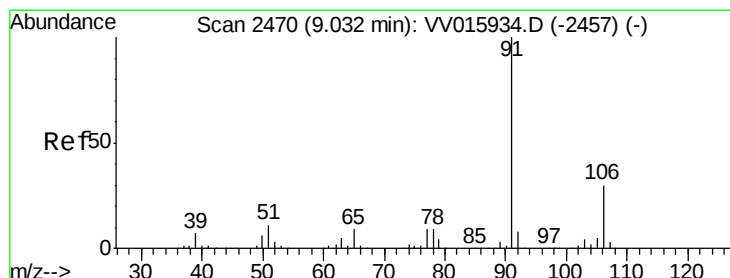
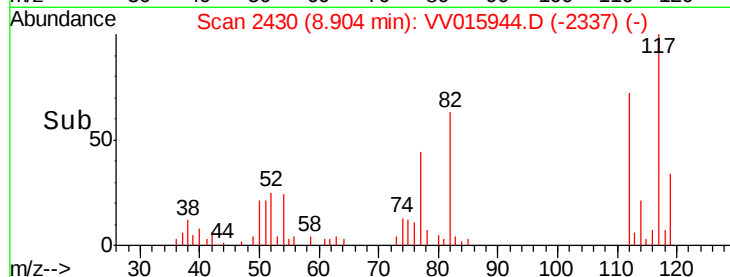
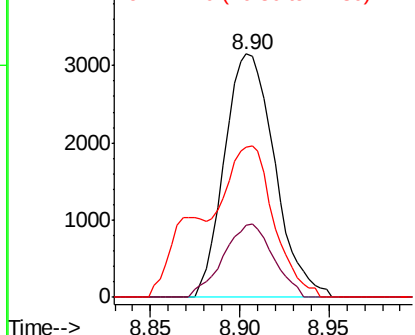
#53  
Chlorobenzene  
Concen: 0.240 ug/L  
RT: 8.90 min Scan# 2430  
Delta R.T. -0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL06

Tgt Ion: 112 Resp: 6169  
Ion Ratio Lower Upper  
112 100  
114 29.6 21.6 40.0  
77 61.5 48.6 73.0

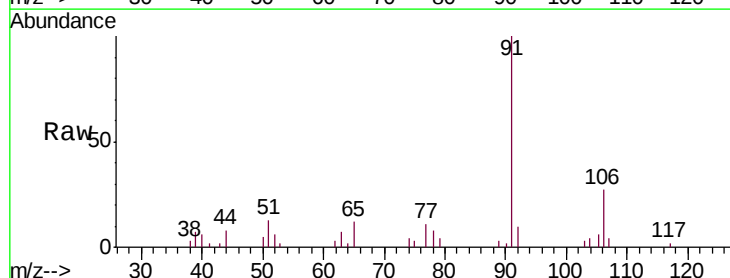


Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 114.05 (113.75 to 114.75): V  
Ion 77.10 (76.80 to 77.80): V

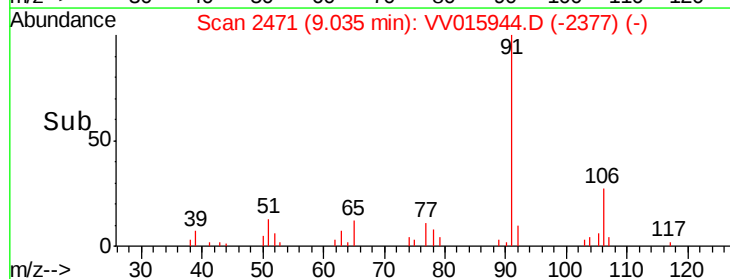
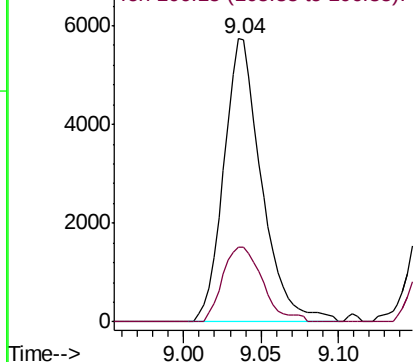


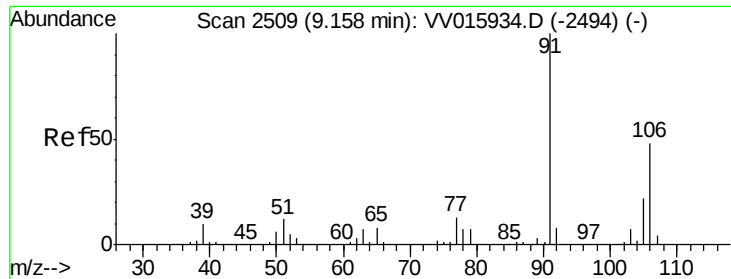
#54  
Ethylbenzene  
Concen: 0.214 ug/L  
RT: 9.04 min Scan# 2471  
Delta R.T. 0.00 min  
Lab File: VV015944.D  
Acq: 07 May 2020 16:20

Tgt Ion: 91 Resp: 9696  
Ion Ratio Lower Upper  
91 100  
106 26.6 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): V  
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.220 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

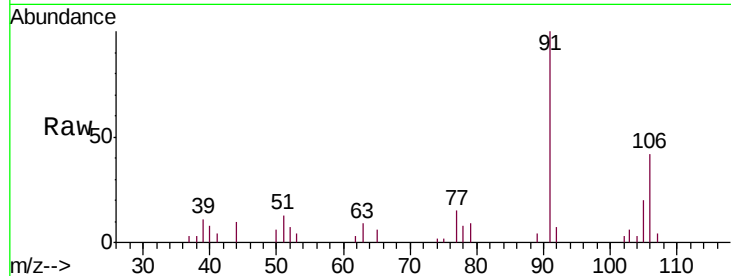
MDL06

Tgt Ion:106 Resp: 3693

Ion Ratio Lower Upper

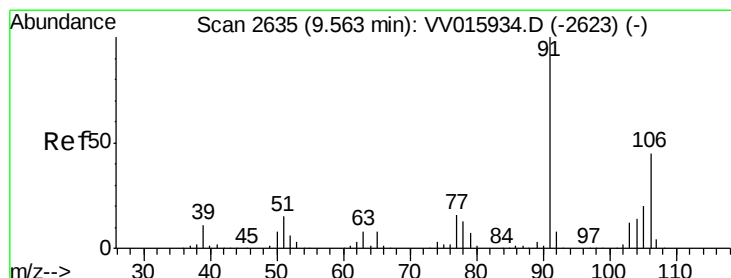
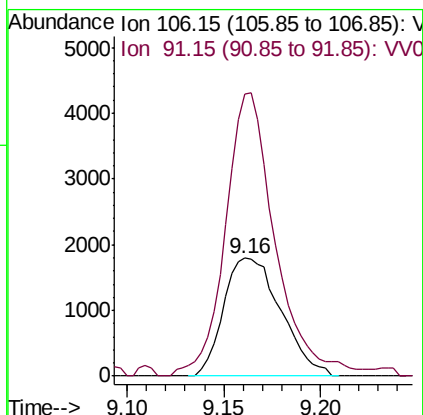
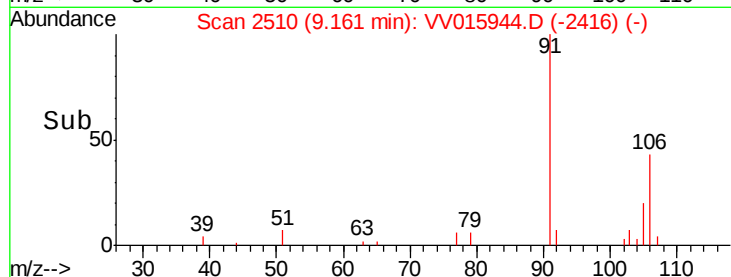
106 100

91 239.4 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.219 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015944.D

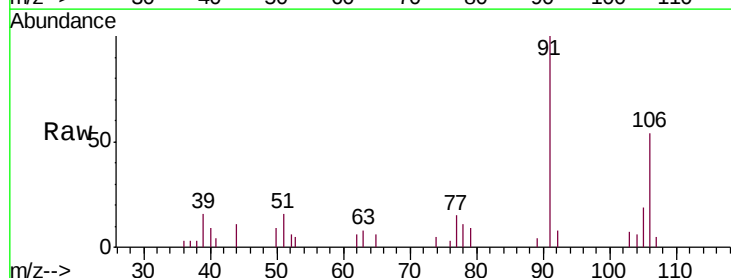
Acq: 07 May 2020 16:20

Tgt Ion:106 Resp: 3513

Ion Ratio Lower Upper

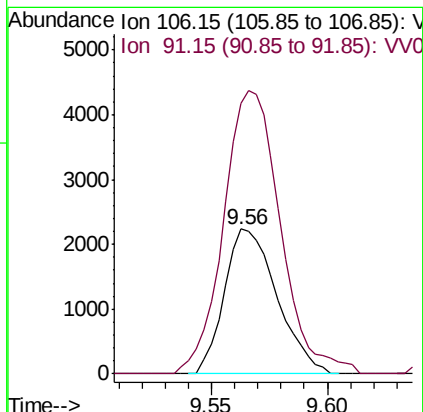
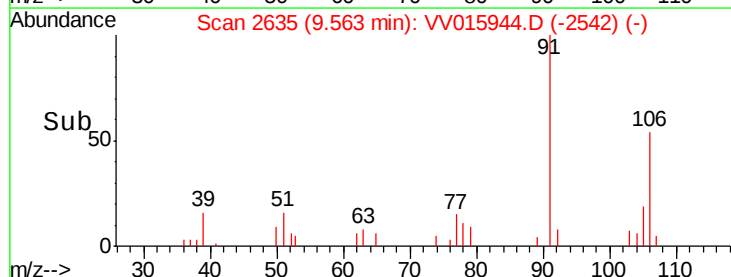
106 100

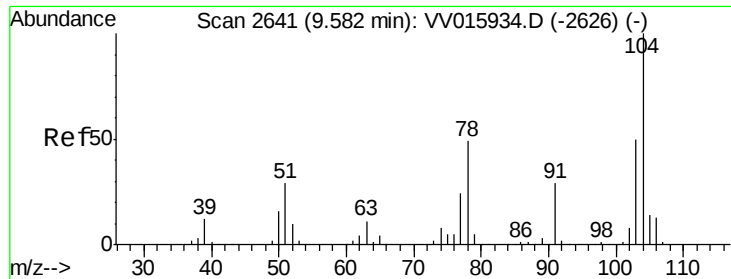
91 186.7 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Styrene

Concen: 0.192 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

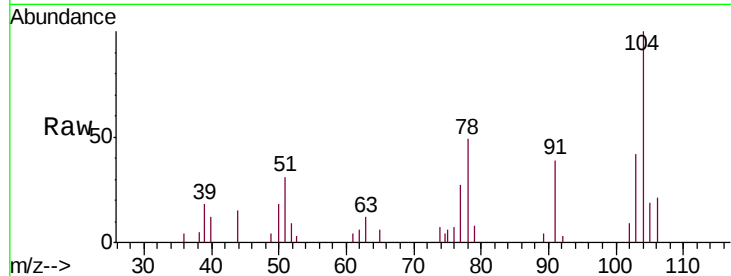
MDL06

Tgt Ion:104 Resp: 5155

Ion Ratio Lower Upper

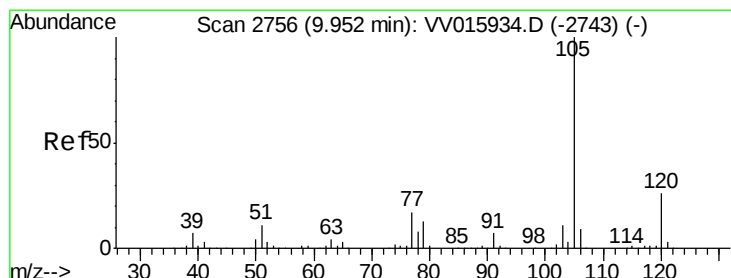
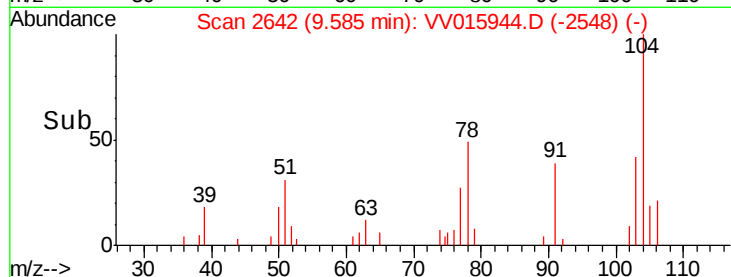
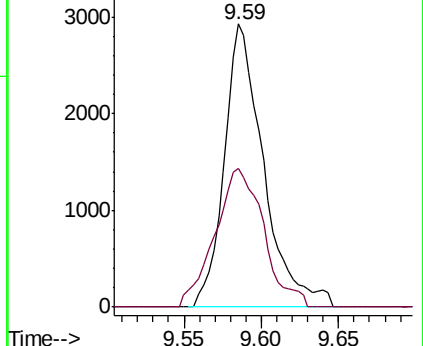
104 100

78 49.1 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.207 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

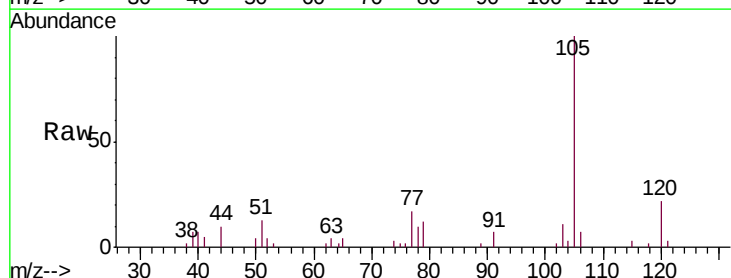
Tgt Ion:105 Resp: 9133

Ion Ratio Lower Upper

105 100

120 24.2 20.8 31.2

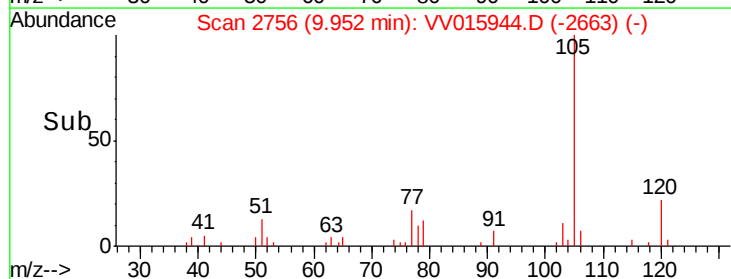
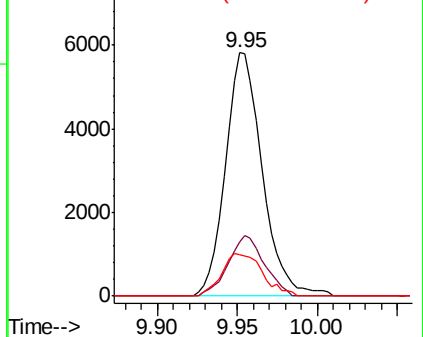
77 19.3 14.1 21.1

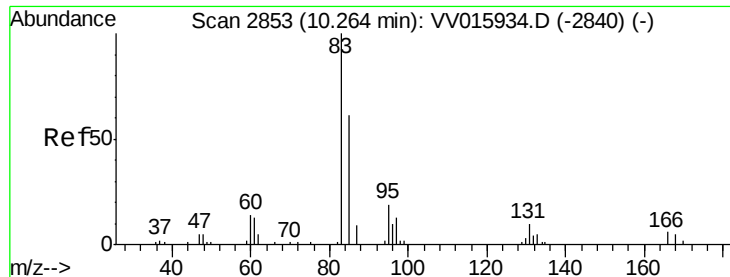


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampled :

MDL06

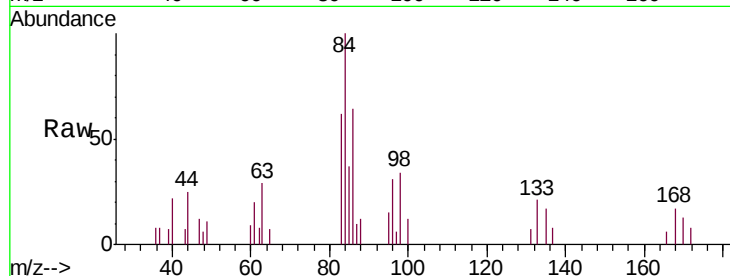
Tgt Ion: 83 Resp: 1895

Ion Ratio Lower Upper

83 100

85 58.4 44.0 81.6

131 11.8 7.7 11.5#

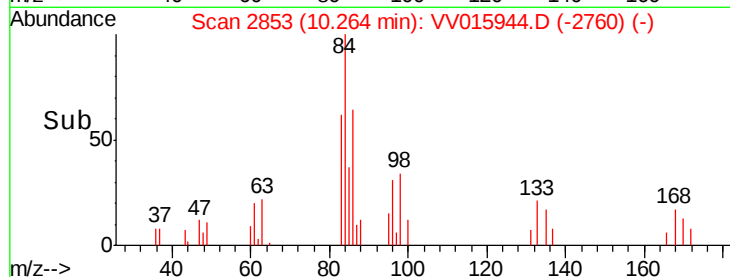


Abundance Ion 82.95 (82.65 to 83.65): VV015934.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV015934.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV015934.D (-2840) (-)

Time-->

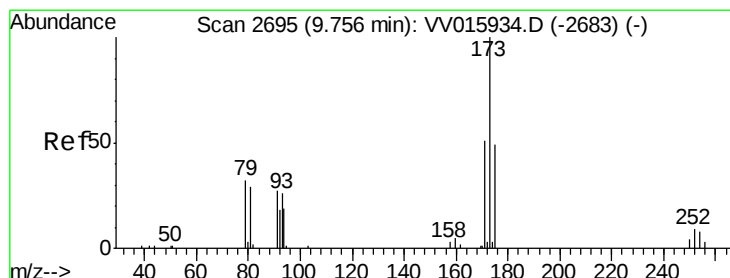


Abundance Ion 82.95 (82.65 to 83.65): VV015944.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015944.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV015944.D (-2760) (-)

Time-->



#62

Bromoform

Concen: 0.234 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

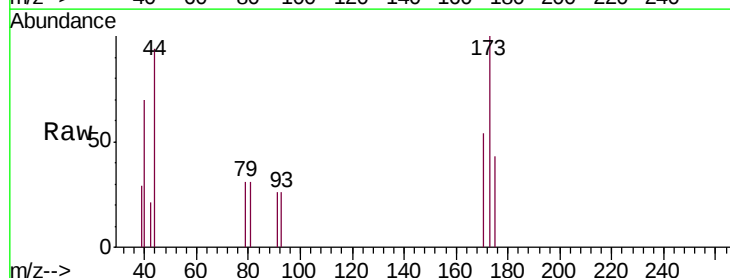
Tgt Ion: 173 Resp: 748

Ion Ratio Lower Upper

173 100

175 34.8 39.8 59.8#

254 0.0 7.1 10.7#

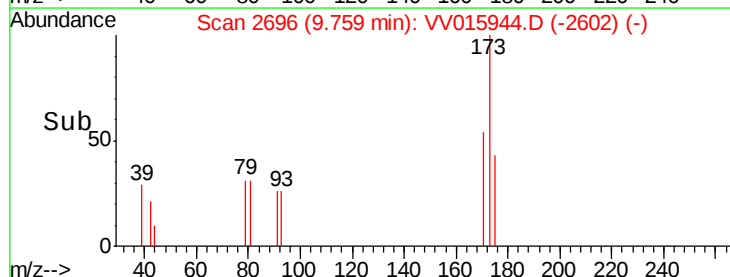


Abundance Ion 172.90 (172.60 to 173.60): VV015934.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015934.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015934.D (-2683) (-)

Time-->

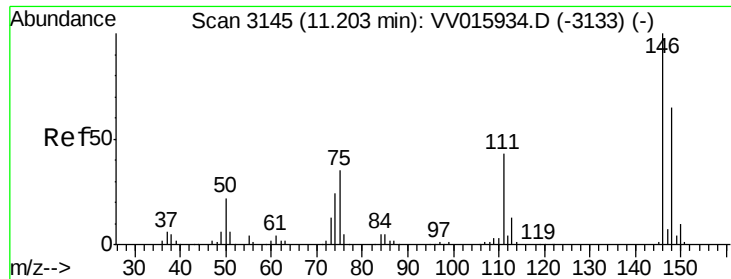


Abundance Ion 172.90 (172.60 to 173.60): VV015944.D (-2602) (-)

Ion 174.90 (174.60 to 175.60): VV015944.D (-2602) (-)

Ion 253.75 (253.45 to 254.45): VV015944.D (-2602) (-)

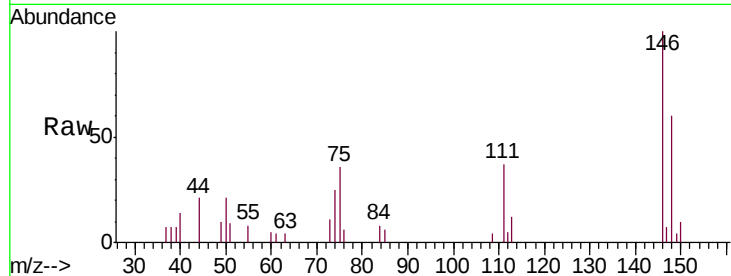
Time-->



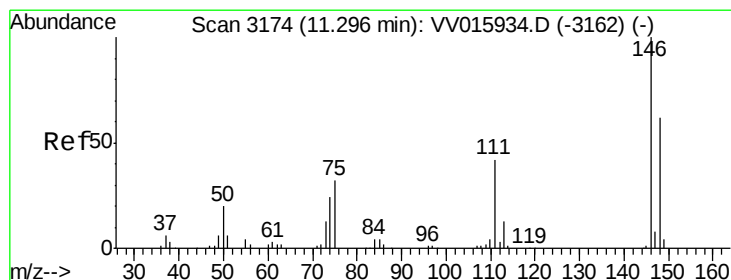
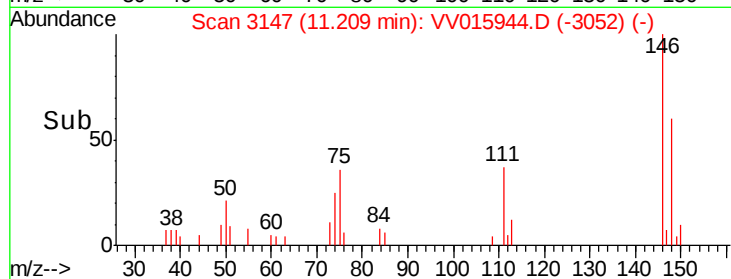
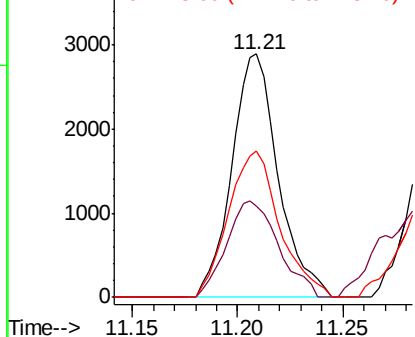
#63  
 1,3-Dichlorobenzene  
 Concen: 0.236 ug/L  
 RT: 11.21 min Scan# 3147  
 Delta R.T. 0.01 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

Tgt Ion:146 Resp: 4430  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 28.7 53.3  
 148 59.9 44.0 81.8

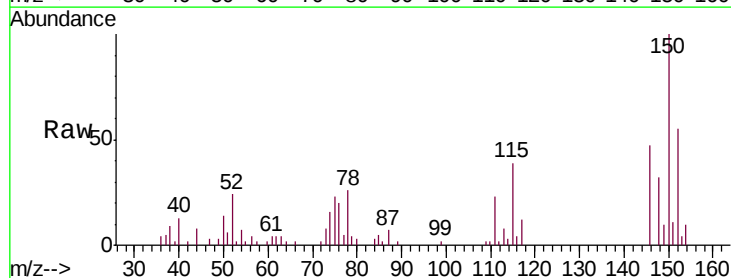


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

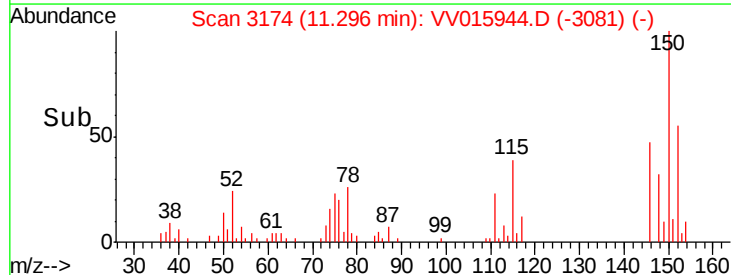
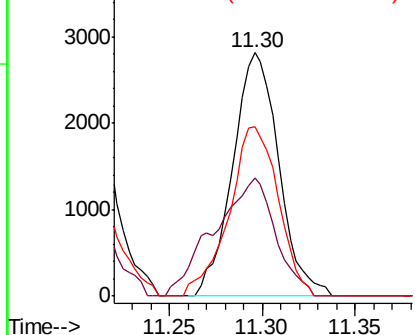


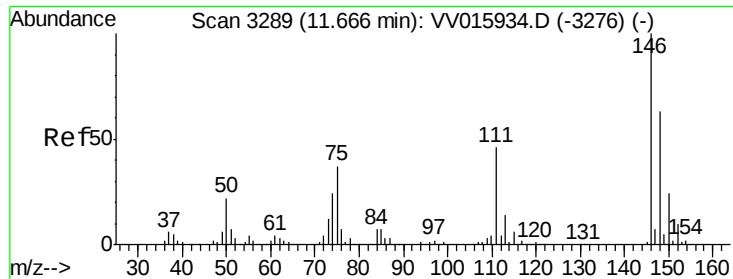
#64  
 1,4-Dichlorobenzene  
 Concen: 0.257 ug/L  
 RT: 11.30 min Scan# 3174  
 Delta R.T. -0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Tgt Ion:146 Resp: 4852  
 Ion Ratio Lower Upper  
 146 100  
 111 48.3 28.9 53.7  
 148 69.3 44.6 82.8



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: 0.260 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Instrument :

MSVOA\_V

ClientSampleId :

MDL06

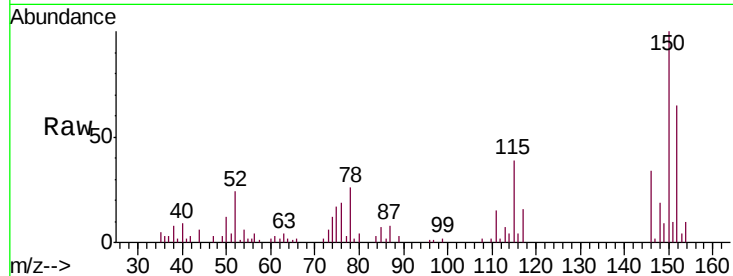
Tgt Ion:146 Resp: 4417

Ion Ratio Lower Upper

146 100

111 43.4 37.0 55.4

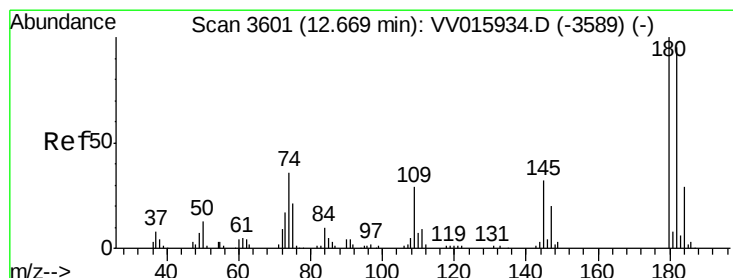
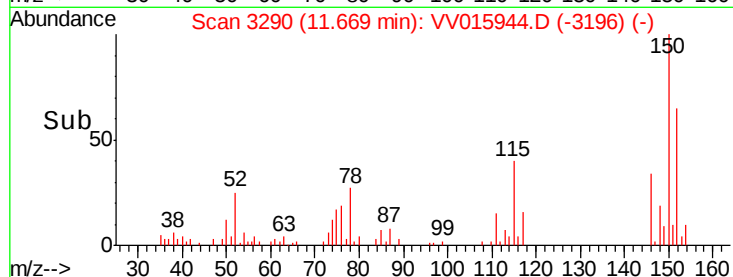
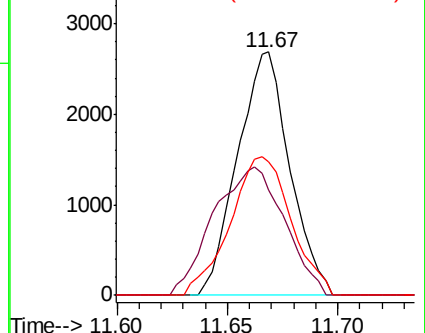
148 55.0 49.8 74.6



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



#68

1,3,5-Trichlorobenzene

Concen: 0.259 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015944.D

Acq: 07 May 2020 16:20

Tgt Ion:180 Resp: 3558

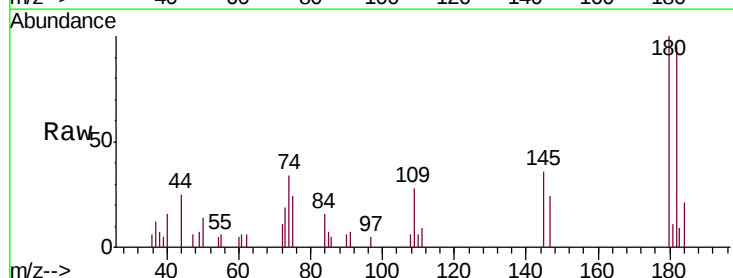
Ion Ratio Lower Upper

180 100

182 88.2 75.8 113.6

184 26.1 24.6 36.8

145 33.3 26.0 39.0

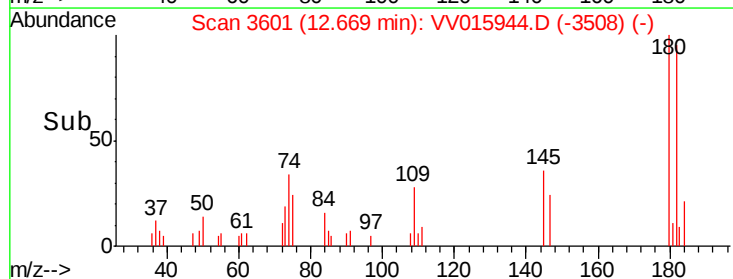
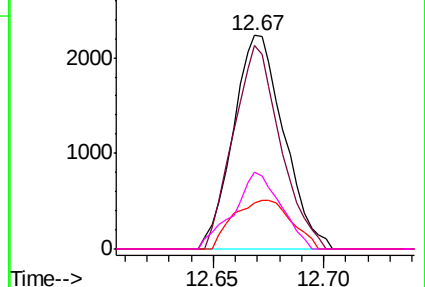


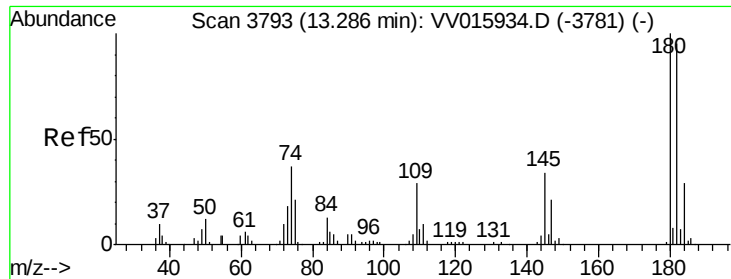
Abundance Ion 180.00 (179.70 to 180.70): V

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

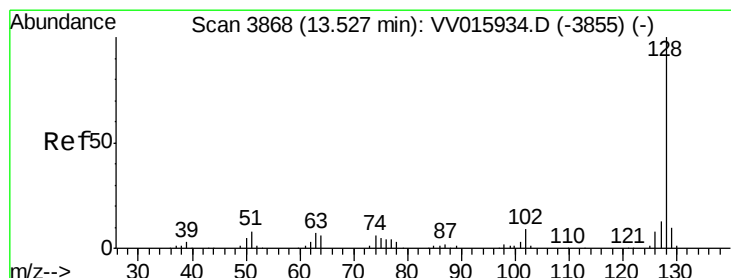
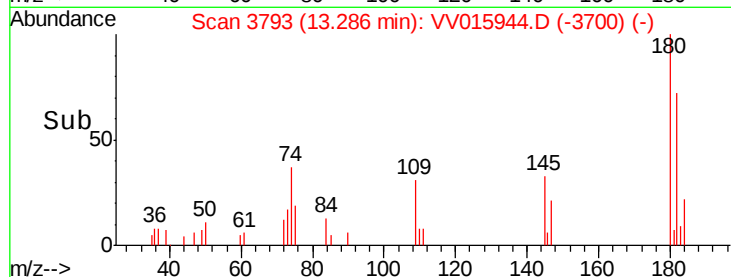
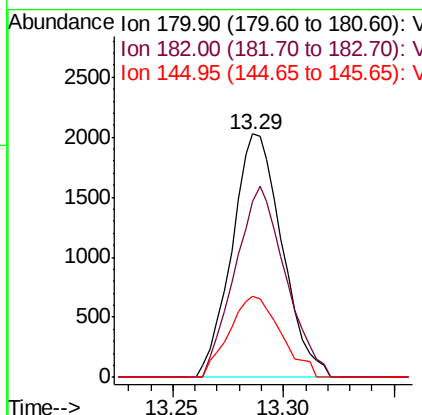
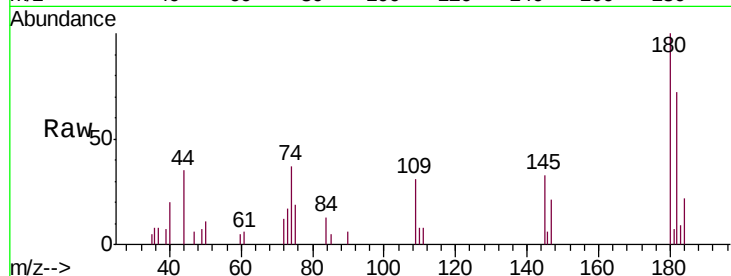




#69  
 1,2,4-trichlorobenzene  
 Concen: 0.271 ug/L  
 RT: 13.29 min Scan# 3793  
 Delta R.T. -0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

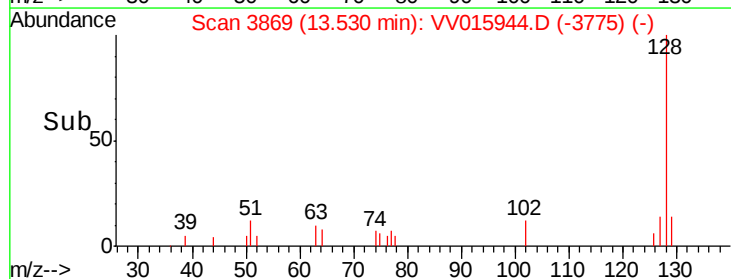
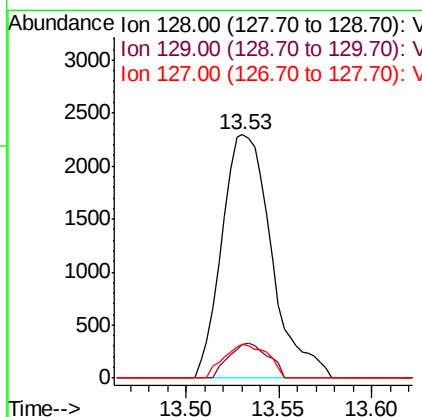
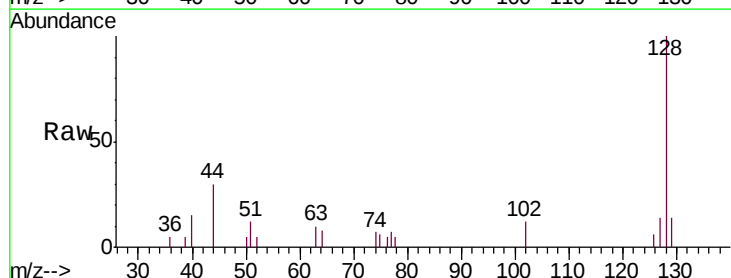
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 MDL06

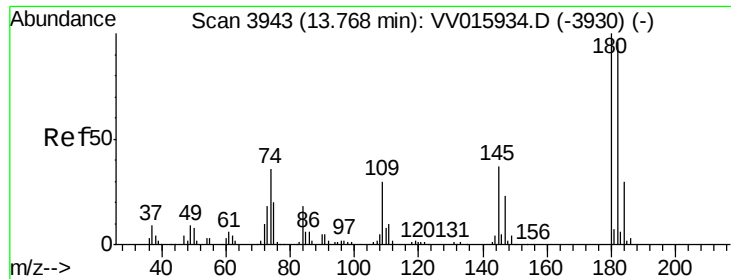
Tgt Ion:180 Resp: 3195  
 Ion Ratio Lower Upper  
 180 100  
 182 79.3 76.7 115.1  
 145 34.2 26.4 39.6



#70  
 Naphthalene  
 Concen: 0.228 ug/L  
 RT: 13.53 min Scan# 3869  
 Delta R.T. 0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Tgt Ion:128 Resp: 4265  
 Ion Ratio Lower Upper  
 128 100  
 129 11.3 8.5 12.7  
 127 12.2 10.2 15.2





#71  
 1,2,3-Trichlorobenzene  
 Concen: 0.246 ug/L  
 RT: 13.77 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VV015944.D  
 Acq: 07 May 2020 16:20

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2555  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.0  | 77.0  | 115.6 |
| 145      | 31.3  | 28.3  | 42.5  |

