

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\  
 Data File : VV017609.D  
 Acq On : 23 Jul 2020 17:50  
 Operator : SY/MD  
 Sample : MDL04  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

Manual Integrations  
 APPROVED

sam  
 7/24/2020 7:04:54 PM

Quant Time: Jul 24 11:51:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 24 01:49:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 183229   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 173642   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 87356    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 40545    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 31571    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 68906    | 3.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.20%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 100790   | 48.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.30%  |
| 24) Chloroform-d               | 4.38   | 84    | 102528   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 53509    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.07   | 84    | 182936   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 51999    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 171490   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 21047    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.20%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 65400    | 43.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.54%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 35132    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 68418    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.60% |

## Target Compounds

|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 5258  | 0.262 ug/L   | 97     |
| 3) Chloromethane               | 1.25 | 50  | 3597  | 0.275 ug/L   | 94     |
| 5) Vinyl chloride              | 1.32 | 62  | 4090  | 0.312 ug/L # | 73     |
| 6) Bromomethane                | 1.53 | 94  | 2520  | 0.300 ug/L   | 90     |
| 8) Chloroethane                | 1.60 | 64  | 2570  | 0.340 ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 6592  | 0.282 ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 3923  | 0.359 ug/L   | 87     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 3557  | 0.361 ug/L # | 1      |
| 13) Acetone                    | 2.23 | 43  | 6345m | 3.872 ug/L   |        |
| 14) Carbon disulfide           | 2.31 | 76  | 9524  | 0.318 ug/L   | 95     |
| 15) Methyl Acetate             | 2.47 | 43  | 789m  | 0.247 ug/L   |        |
| 16) Methylene chloride         | 2.52 | 84  | 4823  | 0.439 ug/L   | 95     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 7859  | 0.311 ug/L # | 92     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 3268  | 0.304 ug/L   | 96     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 6917  | 0.306 ug/L   | 96     |
| 21) 2-Butanone                 | 4.04 | 43  | 8114m | 2.933 ug/L   |        |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 4012  | 0.296 ug/L   | 84     |

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Manual Integrations  
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 24 01:49:19 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 23) Bromochloromethane         | 4.28  | 128  | 1899     | 0.304 | ug/L # | 92       |
| 25) Chloroform                 | 4.41  | 83   | 8493     | 0.335 | ug/L   | 97       |
| 27) 1,2-Dichloroethane         | 5.16  | 62   | 4539     | 0.276 | ug/L # | 92       |
| 29) 1,1,1-Trichloroethane      | 4.63  | 97   | 7048     | 0.290 | ug/L   | 97       |
| 30) Cyclohexane                | 4.70  | 56   | 5285     | 0.275 | ug/L   | 97       |
| 31) Carbon tetrachloride       | 4.85  | 117  | 5943     | 0.275 | ug/L   | 99       |
| 33) Benzene                    | 5.13  | 78   | 14428    | 0.294 | ug/L   | 100      |
| 34) Trichloroethene            | 5.94  | 95   | 4278     | 0.312 | ug/L   | 82       |
| 35) Methylcyclohexane          | 6.15  | 83   | 5496     | 0.265 | ug/L   | 98       |
| 37) 1,2-Dichloropropane        | 6.20  | 63   | 3422     | 0.296 | ug/L # | 93       |
| 38) Bromodichloromethane       | 6.54  | 83   | 5381     | 0.317 | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene    | 7.05  | 75   | 5052     | 0.290 | ug/L   | 91       |
| 40) 4-Methyl-2-pentanone       | 7.26  | 43   | 15726    | 2.483 | ug/L # | 87       |
| 42) Toluene                    | 7.41  | 91   | 15122    | 0.282 | ug/L   | 90       |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 10636    | 0.212 | ug/L   | 87       |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 12168    | 0.238 | ug/L   | 94       |
| 46) trans-1,3-Dichloropropene  | 7.68  | 75   | 4717m    | 0.302 | ug/L   |          |
| 47) 1,1,2-Trichloroethane      | 7.86  | 97   | 2660     | 0.304 | ug/L   | 91       |
| 49) Tetrachloroethene          | 8.00  | 164  | 3506     | 0.290 | ug/L   | 95       |
| 50) 2-Hexanone                 | 8.17  | 43   | 16249    | 3.626 | ug/L   | 94       |
| 51) Dibromochloromethane       | 8.27  | 129  | 3034     | 0.272 | ug/L   | 95       |
| 52) 1,2-Dibromoethane          | 8.38  | 107  | 2399     | 0.290 | ug/L # | 97       |
| 53) Chlorobenzene              | 8.90  | 112  | 10970    | 0.307 | ug/L   | 91       |
| 54) Ethylbenzene               | 9.04  | 91   | 16421    | 0.274 | ug/L   | 95       |
| 55) m,p-xylene                 | 9.16  | 106  | 5906     | 0.261 | ug/L   | 96       |
| 56) o-xylene                   | 9.57  | 106  | 5716     | 0.261 | ug/L   | 96       |
| 57) Styrene                    | 9.59  | 104  | 9143     | 0.250 | ug/L   | 94       |
| 58) Isopropylbenzene           | 9.95  | 105  | 15104    | 0.250 | ug/L   | 93       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 2869     | 0.301 | ug/L # | 78       |
| 62) Bromoform                  | 9.76  | 173  | 1713     | 0.306 | ug/L # | 78       |
| 63) 1,3-Dichlorobenzene        | 11.21 | 146  | 8824     | 0.314 | ug/L   | 98       |
| 64) 1,4-Dichlorobenzene        | 11.29 | 146  | 9502     | 0.337 | ug/L   | 91       |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 8753     | 0.342 | ug/L   | 99       |
| 67) 1,2-Dibromo-3-chloropropan | 12.46 | 75   | 626m     | 0.391 | ug/L   |          |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 6937     | 0.304 | ug/L   | 97       |
| 69) 1,2,4-trichlorobenzene     | 13.29 | 180  | 6513     | 0.341 | ug/L   | 96       |
| 70) Naphthalene                | 13.53 | 128  | 6506     | 0.244 | ug/L # | 94       |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 4655     | 0.275 | ug/L # | 95       |
| -----                          |       |      |          |       |        |          |

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

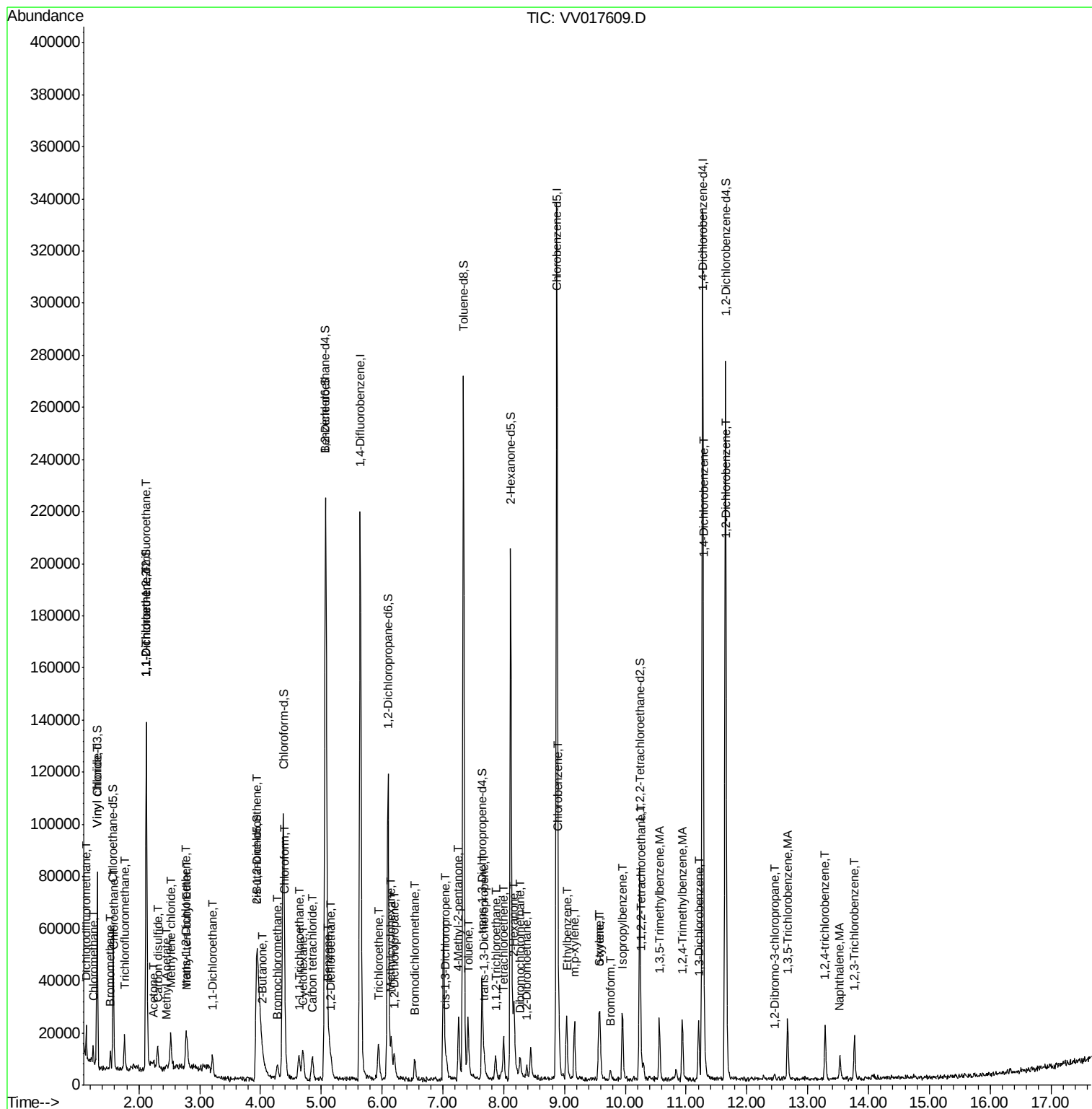
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\  
Data File : VV017609.D  
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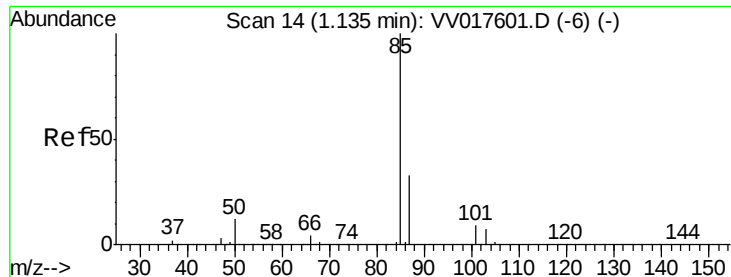
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL04

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Quant Time: Jul 24 11:51:18 2020  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 24 01:49:19 2020  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 5258

Ion Ratio Lower Upper

85 100

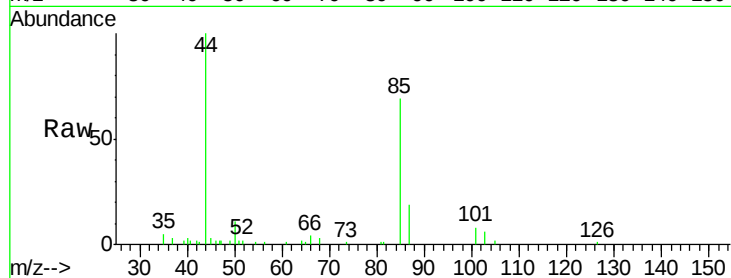
87 31.2 26.4 39.6

Manual Integrations

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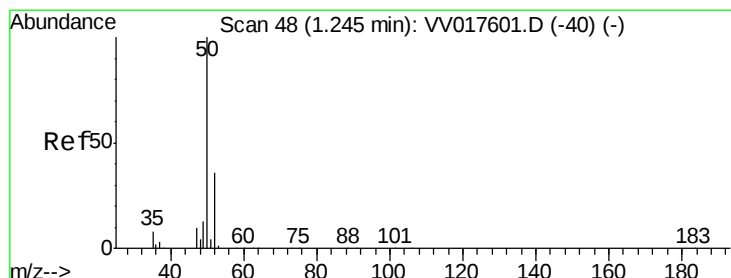
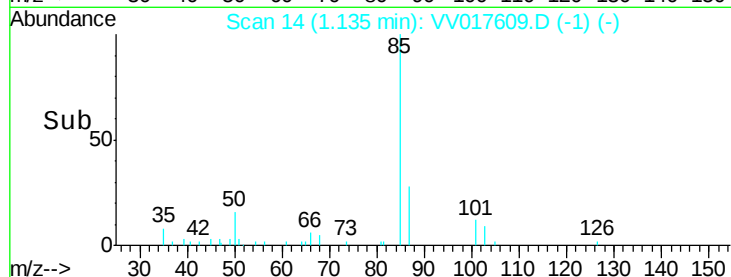
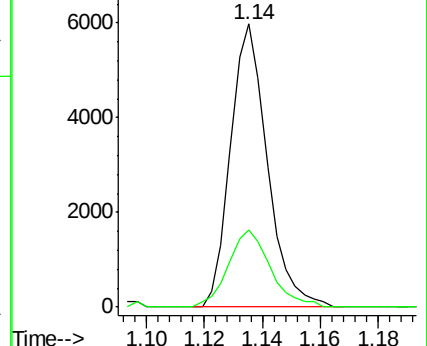
sam

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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.275 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017609.D

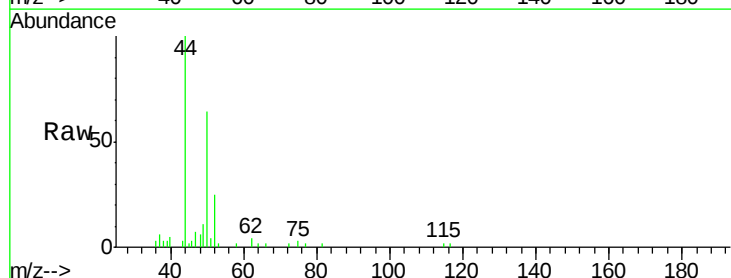
Acq: 23 Jul 2020 17:50

Tgt Ion: 50 Resp: 3597

Ion Ratio Lower Upper

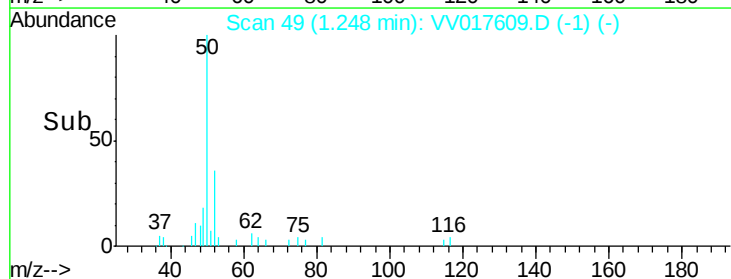
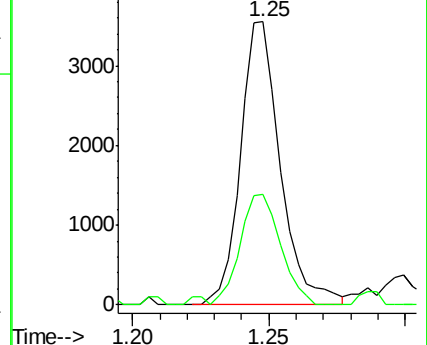
50 100

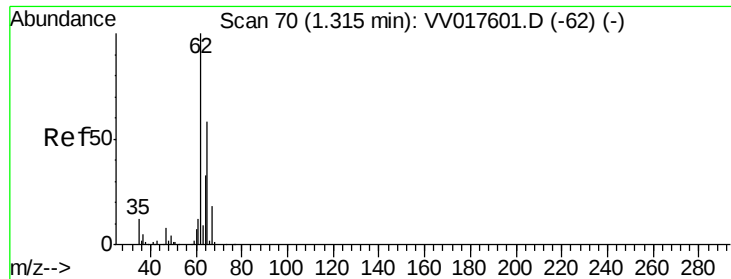
52 39.2 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.312 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 4090

Ion Ratio Lower Upper

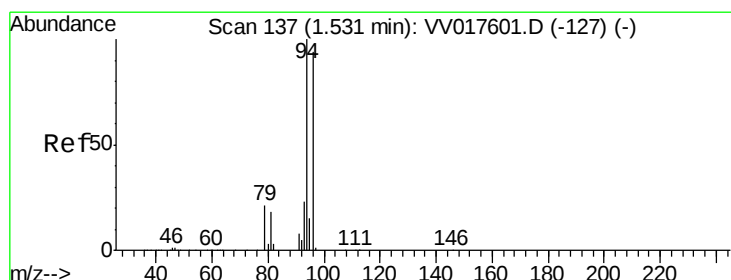
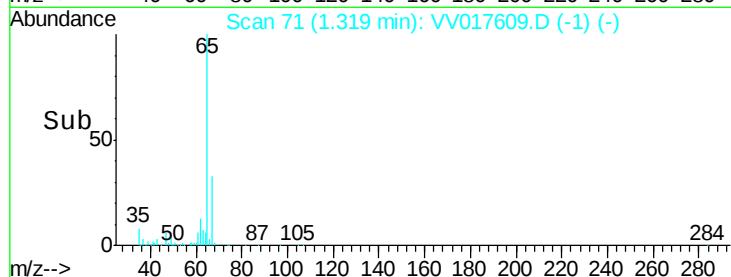
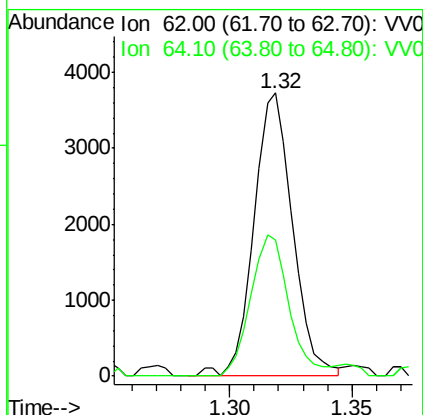
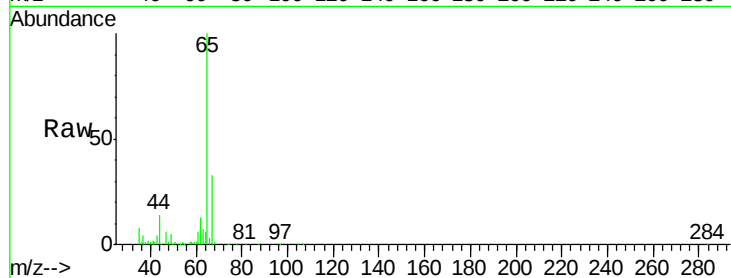
62 100

64 48.3 23.0 42.8#

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#6

Bromomethane

Concen: 0.300 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017609.D

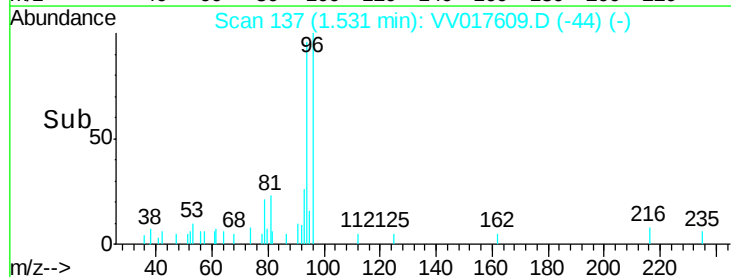
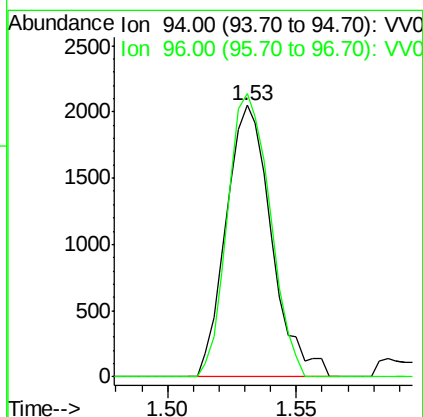
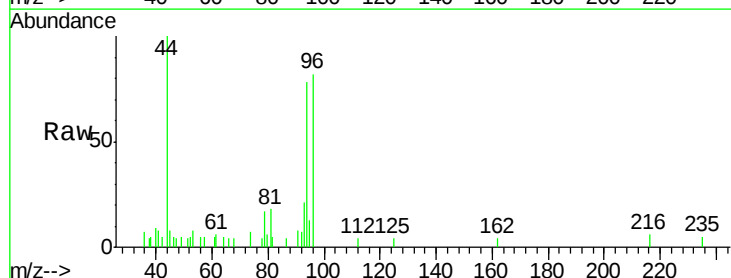
Acq: 23 Jul 2020 17:50

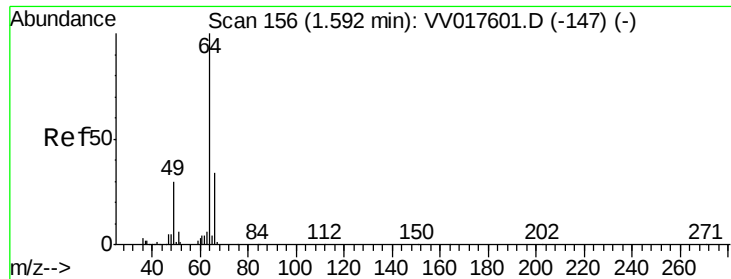
Tgt Ion: 94 Resp: 2520

Ion Ratio Lower Upper

94 100

96 104.1 65.9 122.5





#8

Chloroethane

Concen: 0.340 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 2570

Ion Ratio Lower Upper

64 100

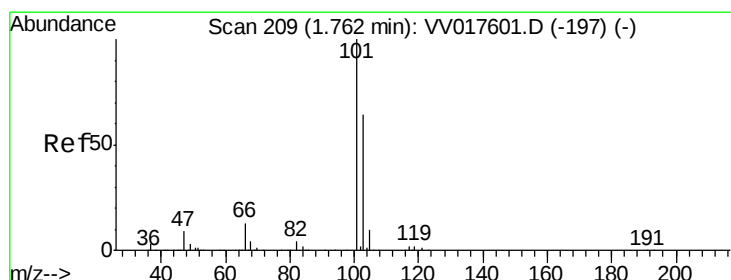
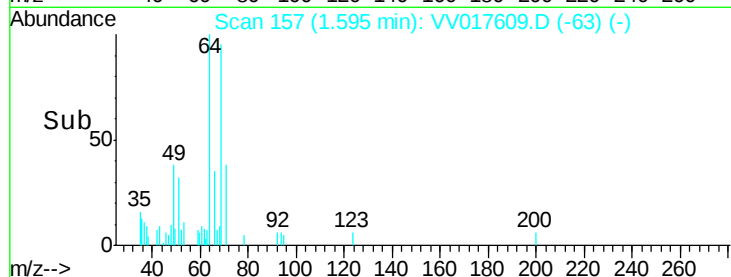
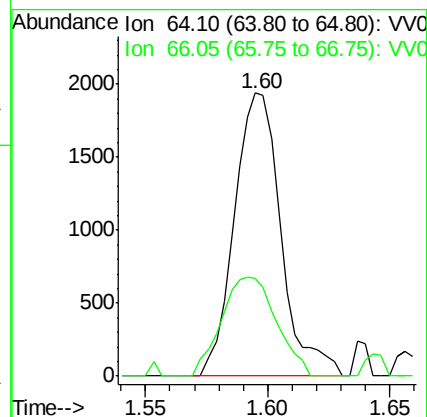
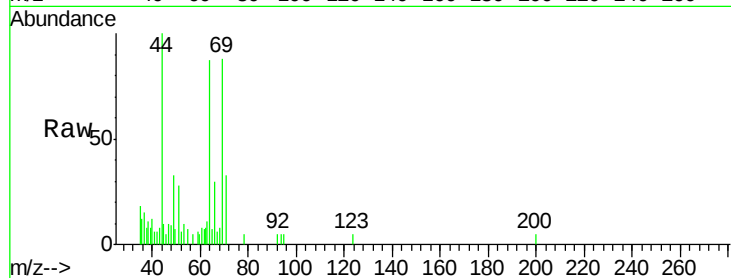
66 34.6 24.0 44.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.282 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017609.D

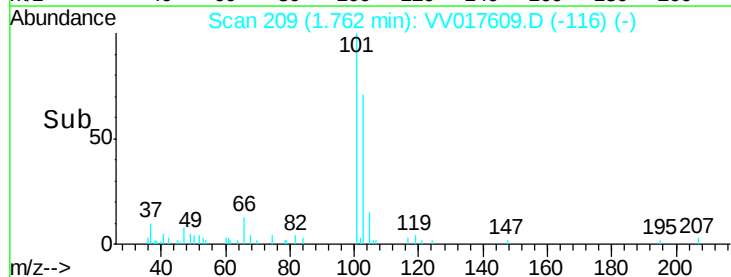
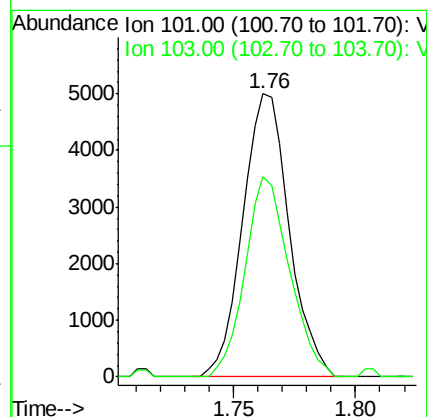
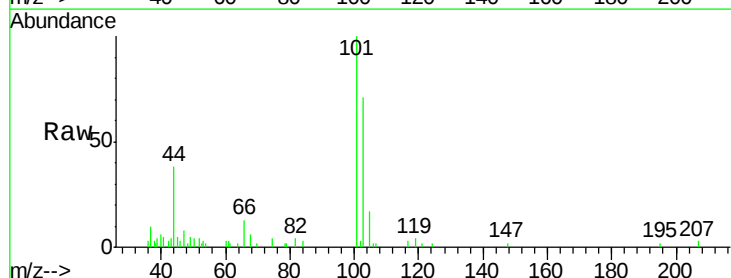
Acq: 23 Jul 2020 17:50

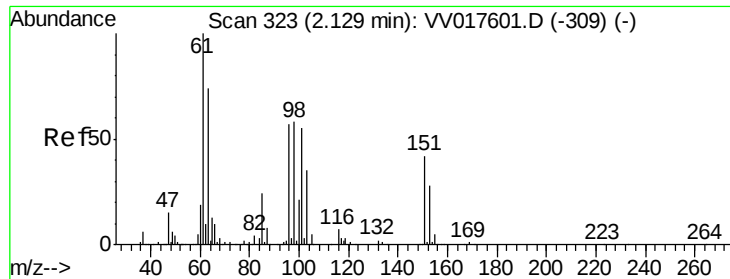
Tgt Ion: 101 Resp: 6592

Ion Ratio Lower Upper

101 100

103 67.5 51.7 77.5





#10

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

Concen: 0.359 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampleId :

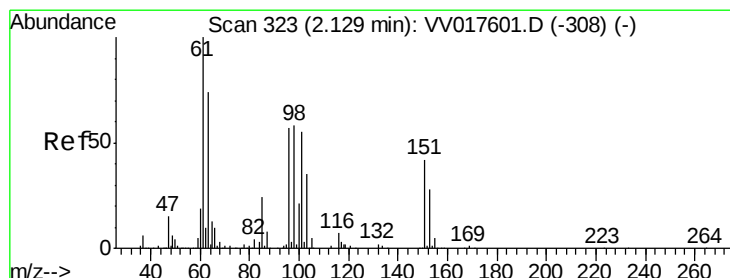
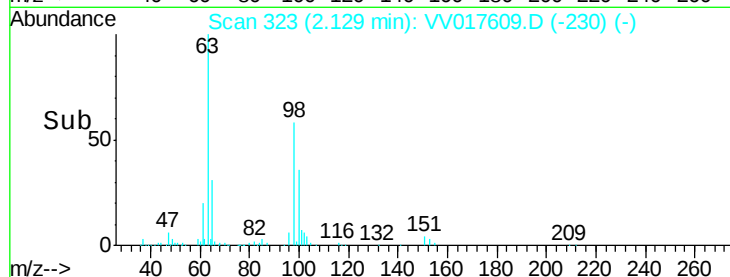
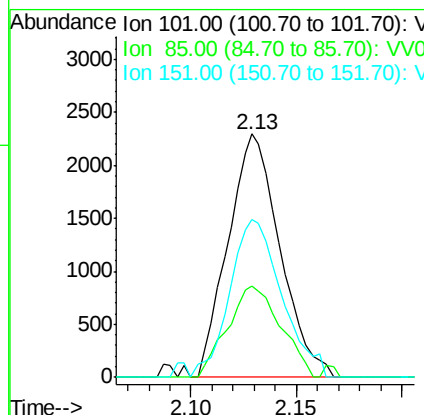
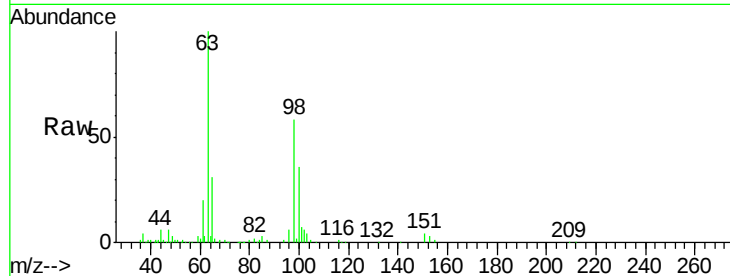
MDL04

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 3923 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 38.2  | 34.6  | 51.8 |
| 151       | 64.9  | 63.5  | 95.3 |

Manual Integrations  
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#12

1,1-Dichloroethene

Concen: 0.361 ug/L

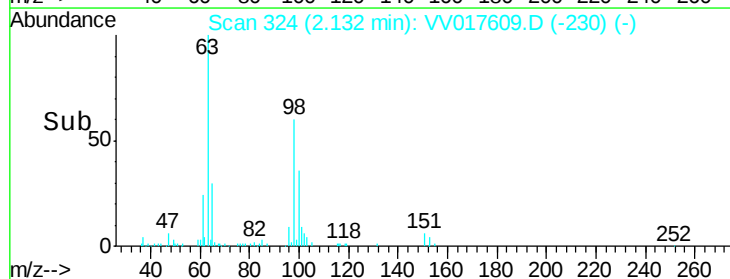
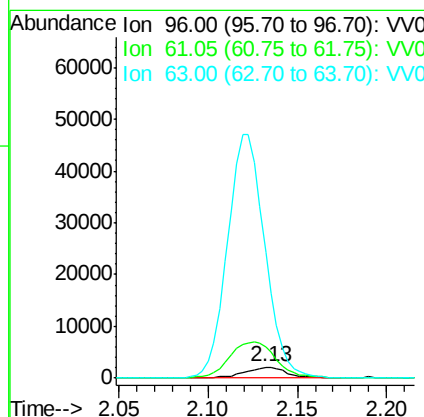
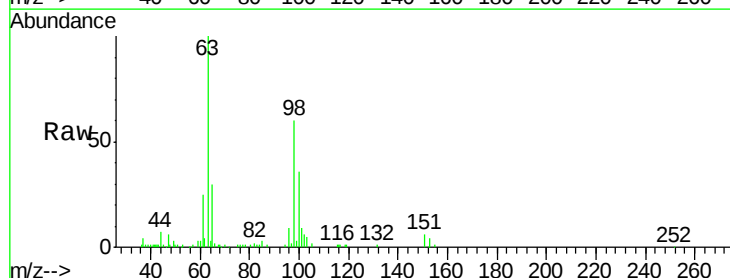
RT: 2.13 min Scan# 324

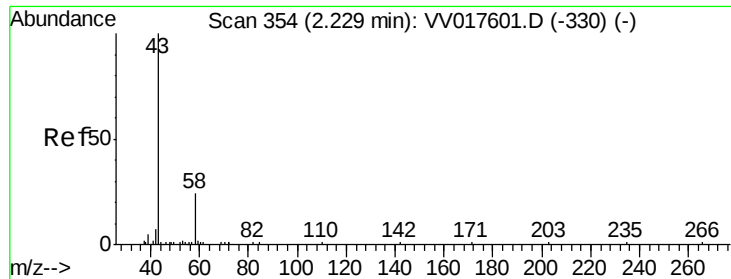
Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

|           |        |       |        |
|-----------|--------|-------|--------|
| Tgt Ion:  | 96     | Resp: | 3557   |
| Ion Ratio | Lower  | Upper |        |
| 96        | 100    |       |        |
| 61        | 282.7  | 123.1 | 228.7# |
| 63        | 1139.4 | 91.2  | 169.4# |





#13

Acetone

Concen: 3.872 ug/L m

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Tot Ion: 43 Resp: 6345

Ion Ratio Lower Upper

43 100

58 0.3 0.0 18.6

Instrument :

MSVOA\_V

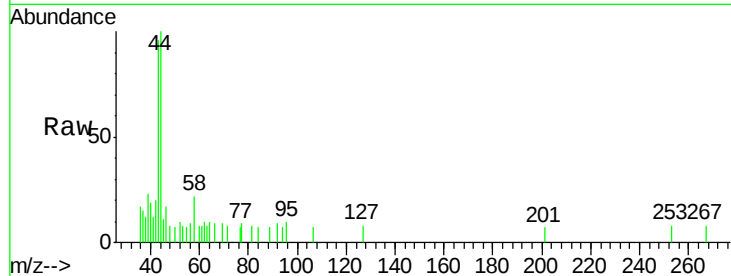
ClientSampleId :

MDL04

Manual Integrations  
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sam

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

1500

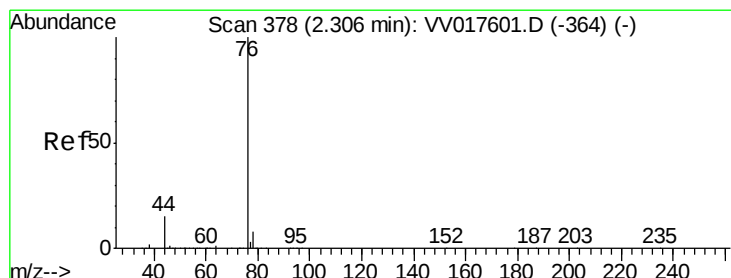
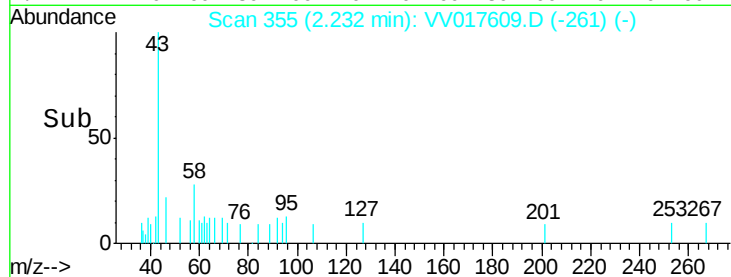
1000

500

0

2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 0.318 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017609.D

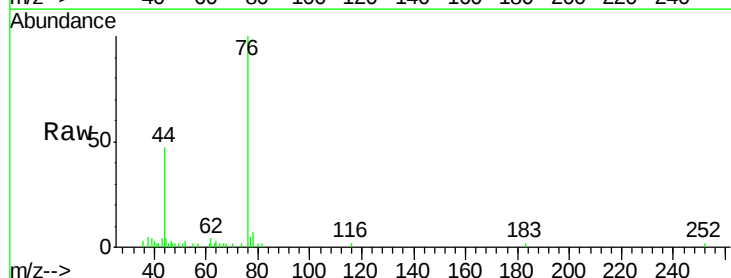
Acq: 23 Jul 2020 17:50

Tgt Ion: 76 Resp: 9524

Ion Ratio Lower Upper

76 100

78 6.7 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

6000

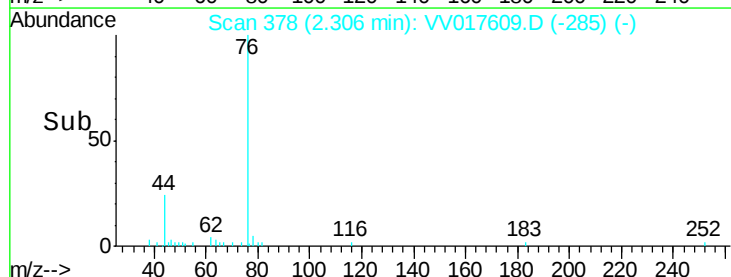
4000

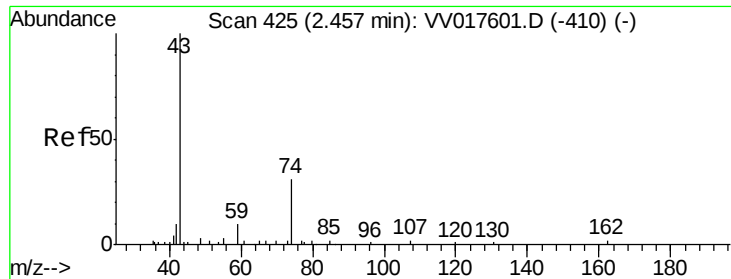
2000

0

2.25 2.30 2.35

Time-->





#15

Methyl Acetate

Concen: 0.247 ug/L m

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Tot Ion: 43 Resp: 789

Ion Ratio Lower Upper

43 100

74 13.2 26.6 40.0#

Instrument :

MSVOA\_V

ClientSampled :

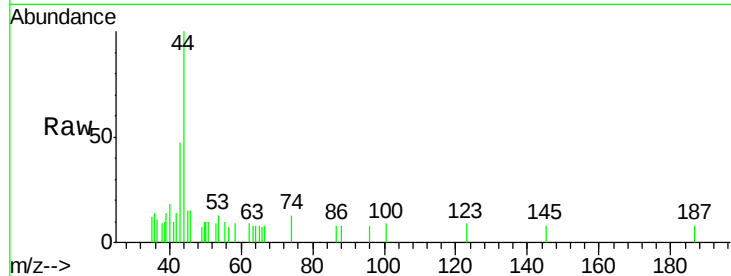
MDL04

Manual Integrations

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sam

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

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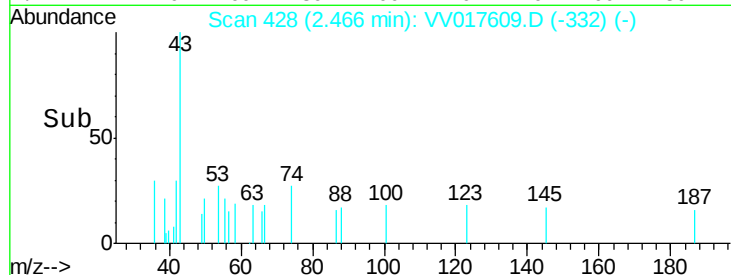
2.47

2.47

2.47

2.47

2.47



#16

Methylene chloride

Concen: 0.439 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

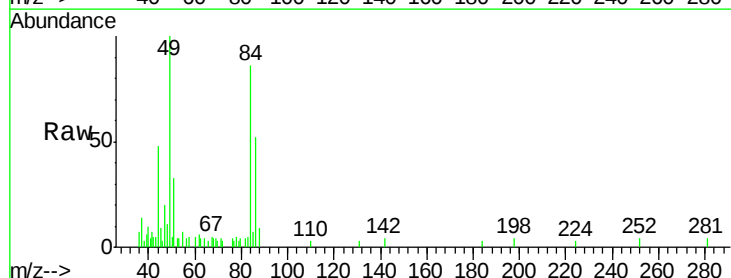
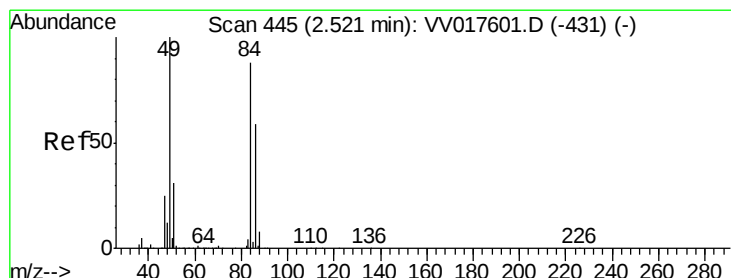
Tgt Ion: 84 Resp: 4823

Ion Ratio Lower Upper

84 100

86 60.6 46.5 86.3

49 116.4 79.2 147.2



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

2.52

2.52

2.52

2.52

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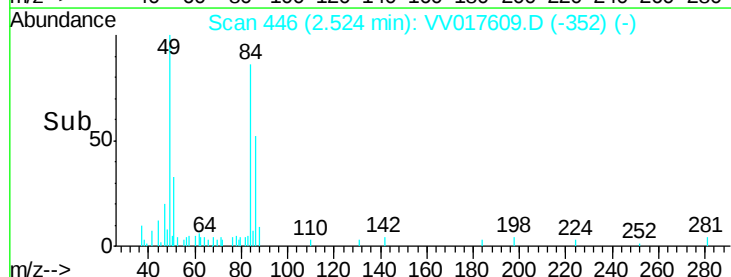
2.52

2.52

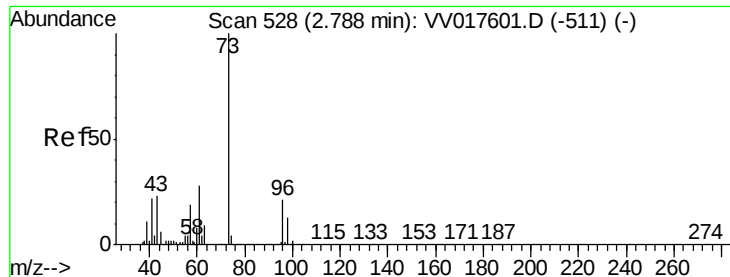
2.52

2.52

2.52



Time-->



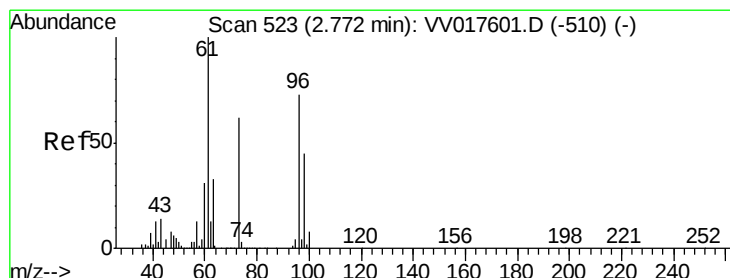
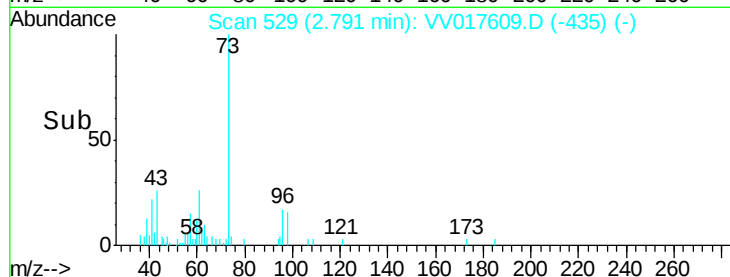
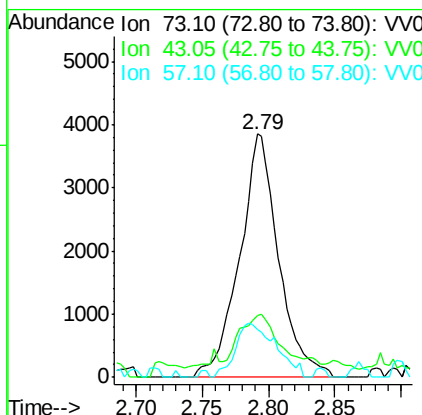
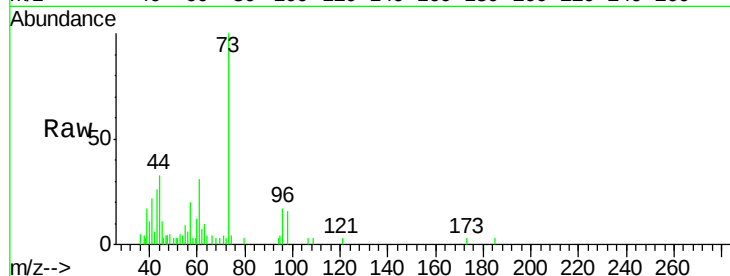
#17  
Methvl tert-butvl Ether  
Concen: 0.311 ug/L  
RT: 2.79 min Scan# 529  
Delta R.T. 0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 17.1  | 18.3  | 27.5# |
| 57      | 23.0  | 16.7  | 25.1  |

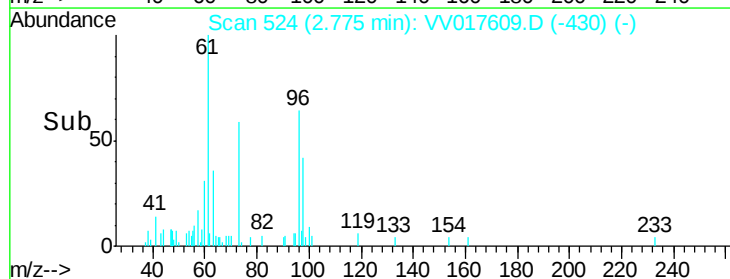
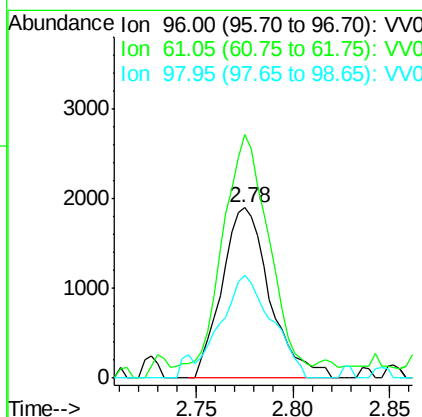
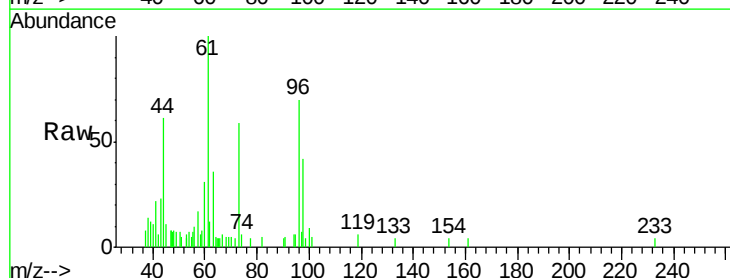
Manual Integrations  
APPROVED

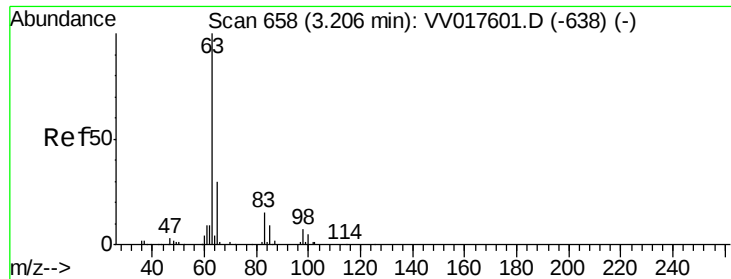
sam  
7/24/2020 7:04:54 PM



#18  
trans-1,2-Dichloroethene  
Concen: 0.304 ug/L  
RT: 2.78 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.2 | 96.0  | 178.4 |
| 98      | 60.8  | 43.5  | 80.9  |





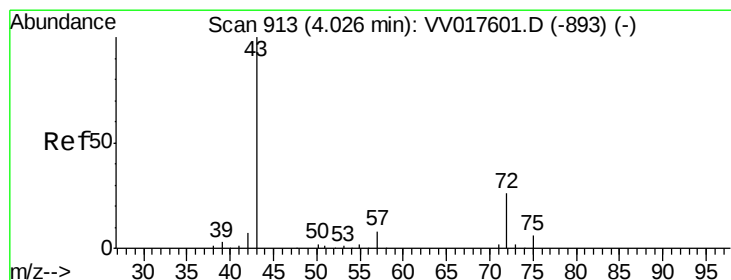
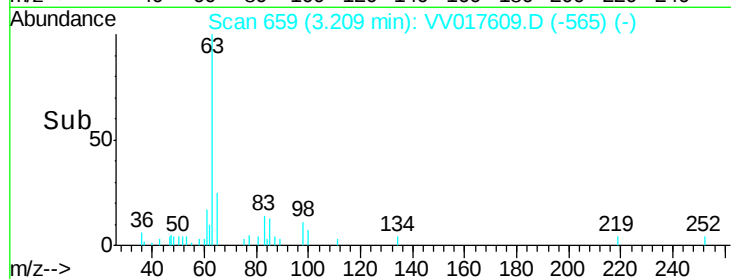
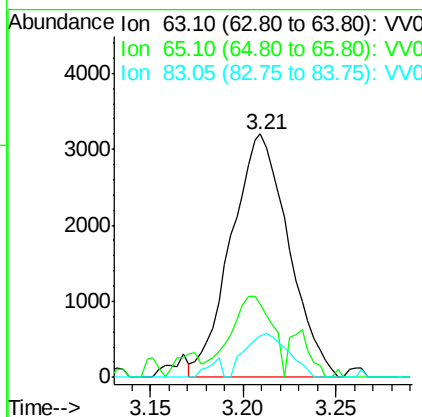
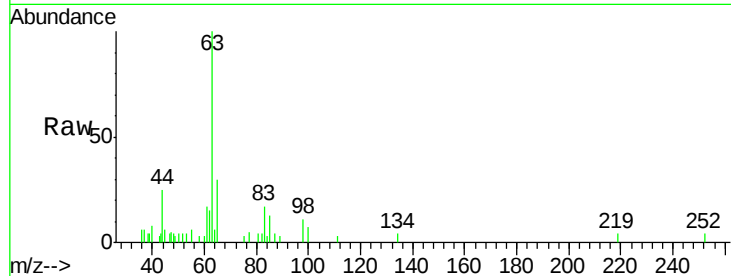
#19  
 1,1-Dichloroethane  
 Concen: 0.306 ug/L  
 RT: 3.21 min Scan# 659  
 Delta R.T. 0.00 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 28.3  | 21.4  | 39.8  |
| 83      | 16.1  | 10.4  | 19.4  |

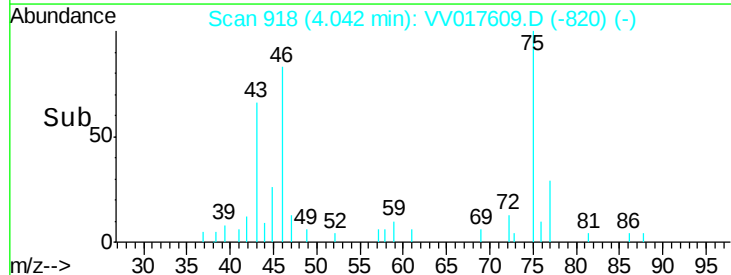
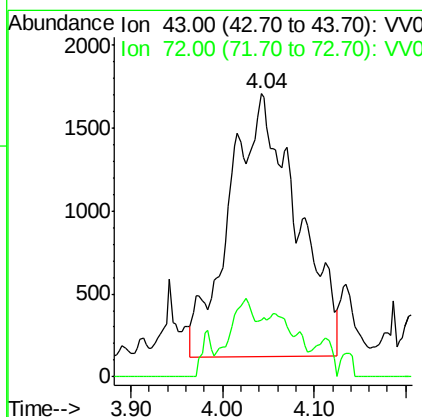
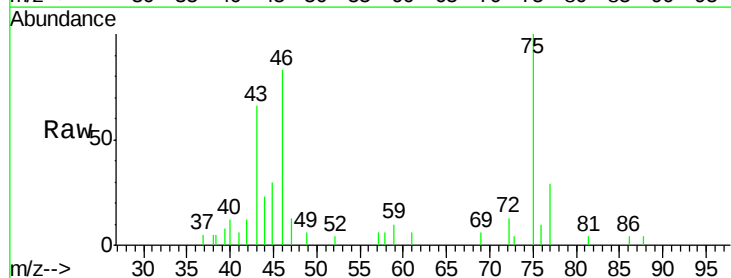
Manual Integrations  
 APPROVED

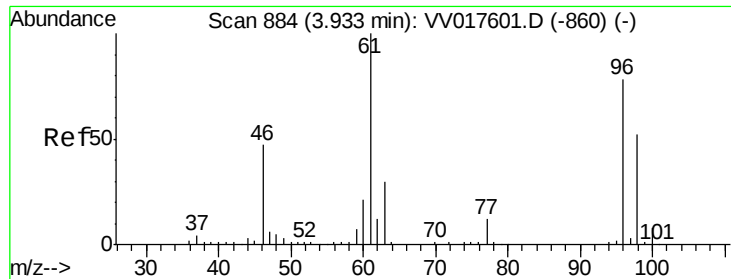
sam  
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#21  
 2-Butanone  
 Concen: 2.933 ug/L m  
 RT: 4.04 min Scan# 918  
 Delta R.T. 0.02 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 1.6   | 13.0  | 38.9# |





#22

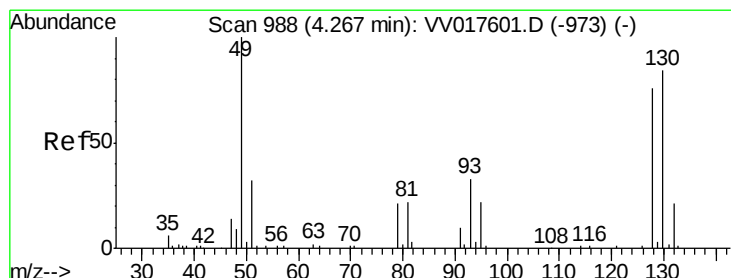
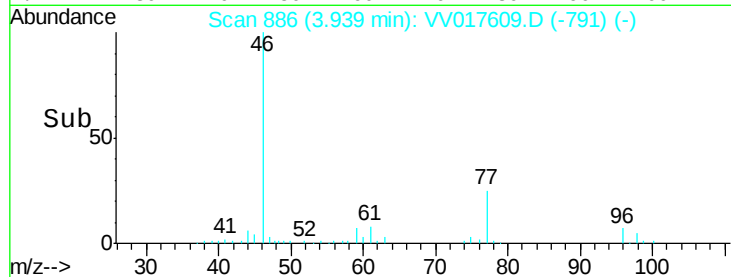
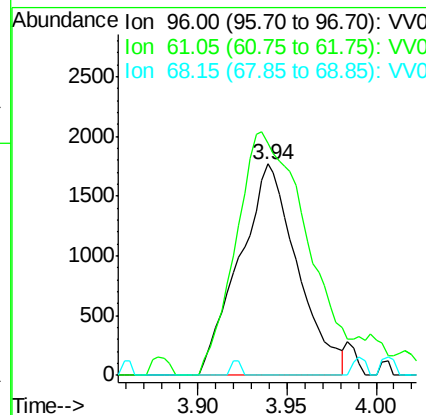
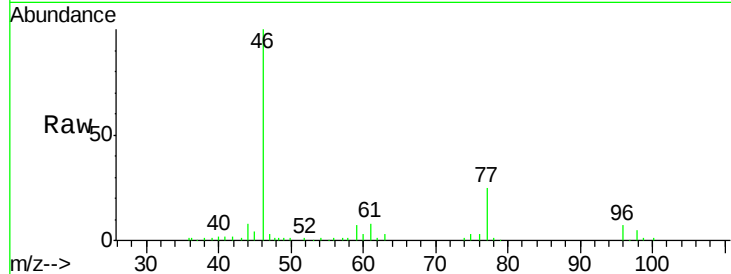
cis-1,2-Dichloroethene  
Concen: 0.296 ug/L  
RT: 3.94 min Scan# 886  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampled :  
MDL04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 109.9 | 89.6  | 166.4 |
| 68      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

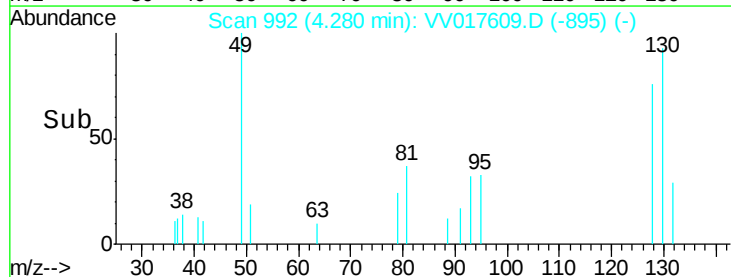
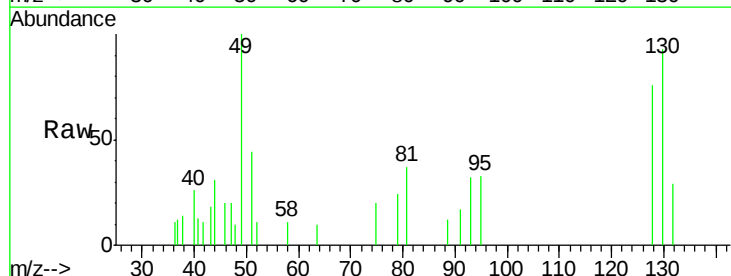
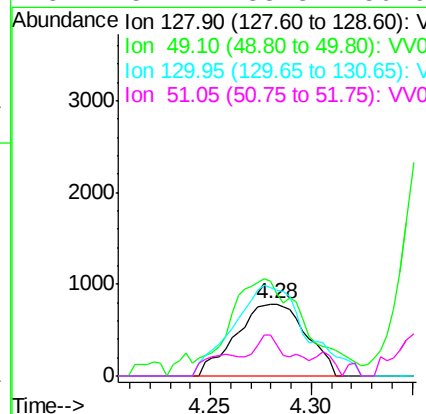
sam  
7/24/2020 7:04:54 PM

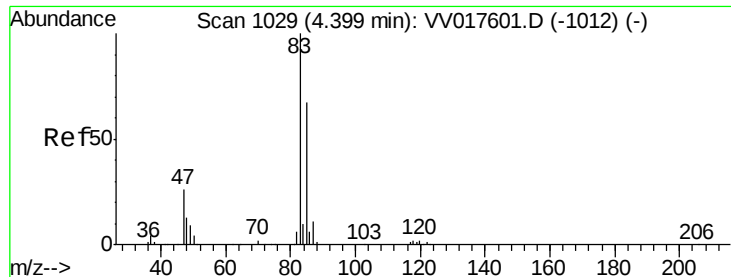


#23

Bromochloromethane  
Concen: 0.304 ug/L  
RT: 4.28 min Scan# 992  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 131.7 | 92.2  | 171.2 |
| 130     | 123.1 | 77.2  | 143.4 |
| 51      | 57.7  | 33.8  | 50.6  |





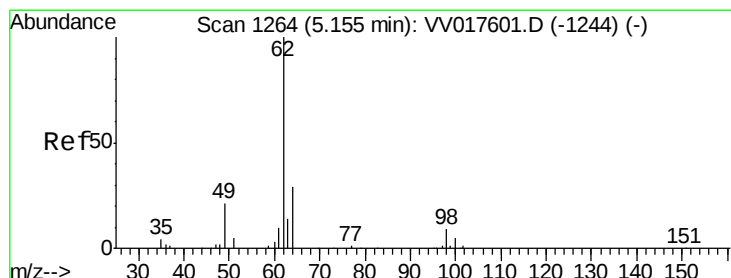
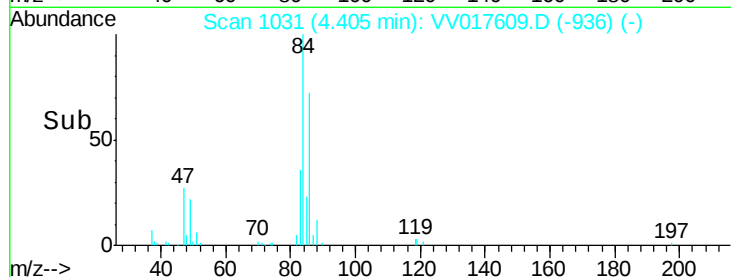
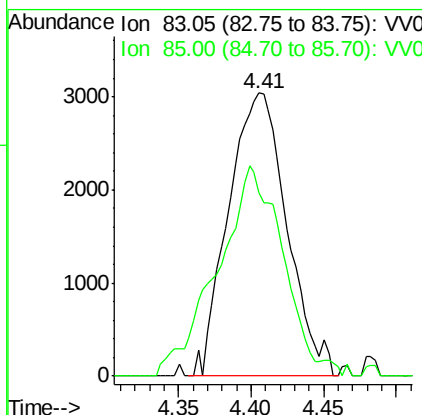
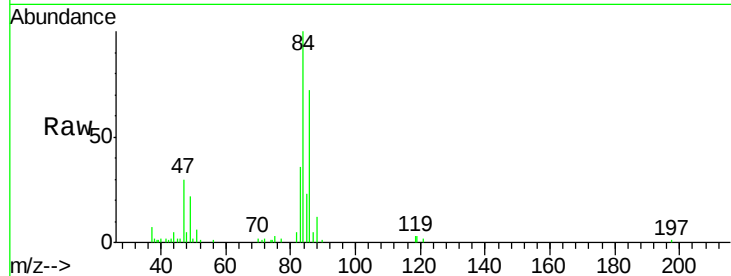
#25  
Chloroform  
Concen: 0.335 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL04

| Tot Ion   | 83   | Resp  | 8493  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 65.0 | 47.3  | 87.9  |

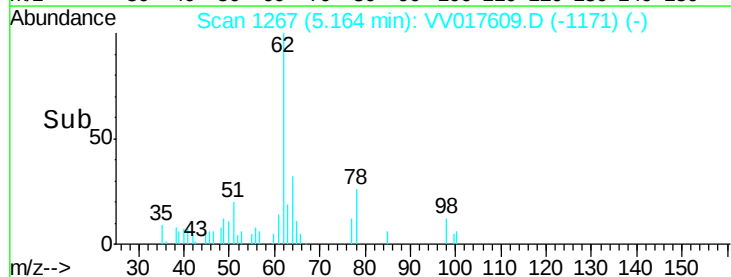
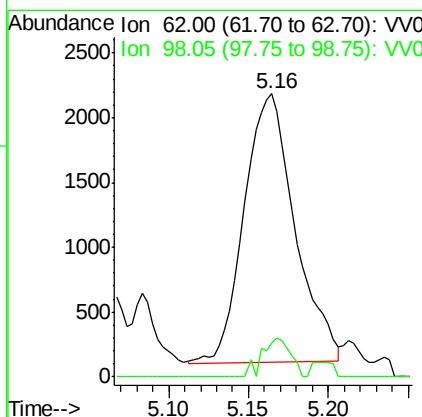
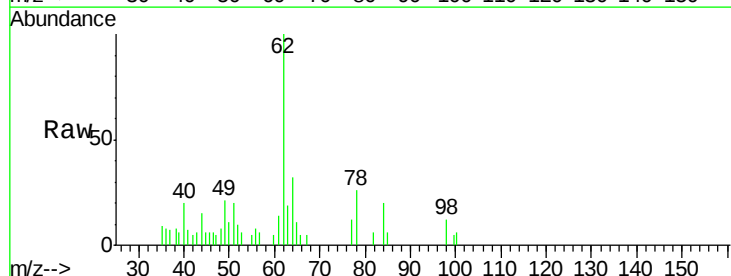
Manual Integrations  
APPROVED

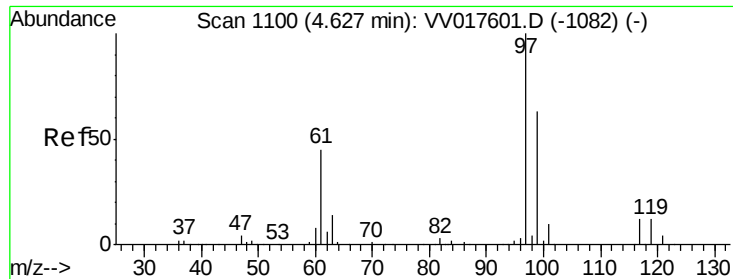
sam  
7/24/2020 7:04:54 PM



#27  
1,2-Dichloroethane  
Concen: 0.276 ug/L  
RT: 5.16 min Scan# 1267  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

| Tgt Ion   | 62   | Resp  | 4539  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 98        | 11.8 | 7.0   | 10.6# |





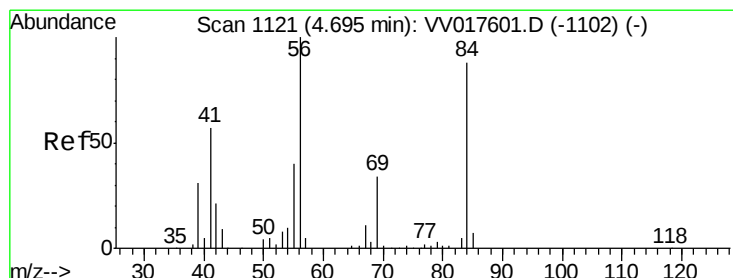
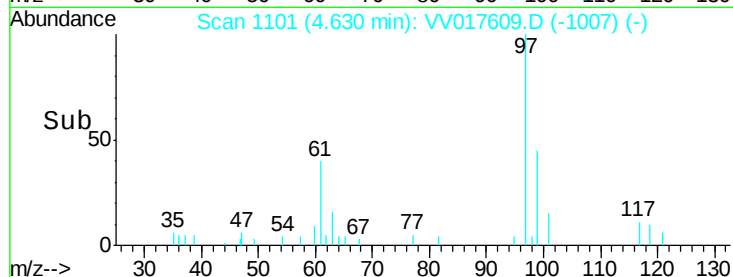
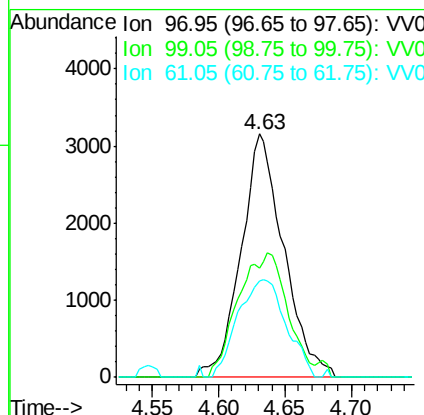
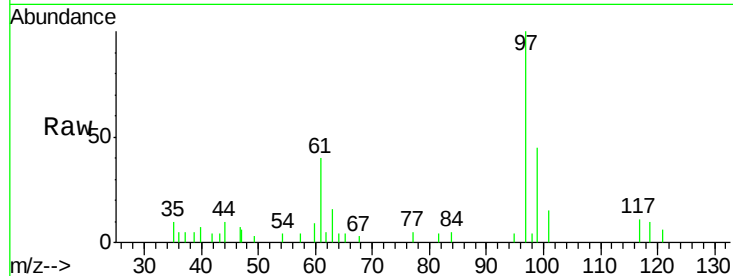
#29  
1,1,1-Trichloroethane  
Concen: 0.290 ug/L  
RT: 4.63 min Scan# 1101  
Delta R.T. 0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampled :  
MDL04

| Tot Ion | 97    | Resp  | 7048  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 97      | 100   |       |       |
| 99      | 59.5  | 50.6  | 76.0  |
| 61      | 45.4  | 35.7  | 53.5  |

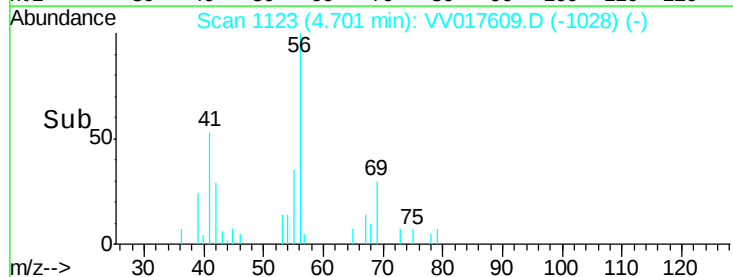
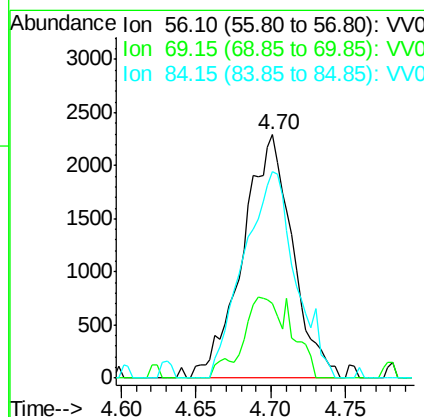
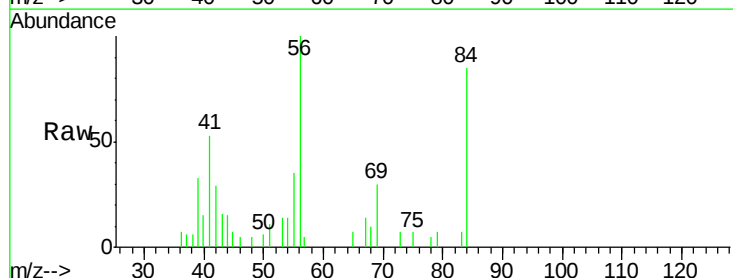
Manual Integrations  
APPROVED

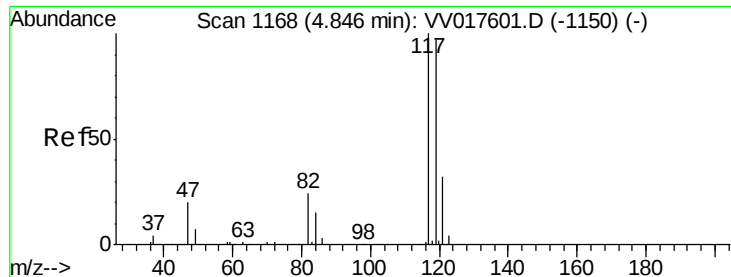
sam  
7/24/2020 7:04:54 PM



#30  
Cyclohexane  
Concen: 0.275 ug/L  
RT: 4.70 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

| Tgt Ion | 56    | Resp  | 5285  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 56      | 100   |       |       |
| 69      | 32.6  | 25.4  | 38.2  |
| 84      | 88.0  | 73.0  | 109.4 |





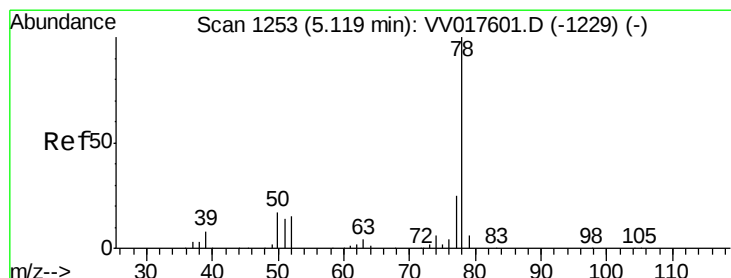
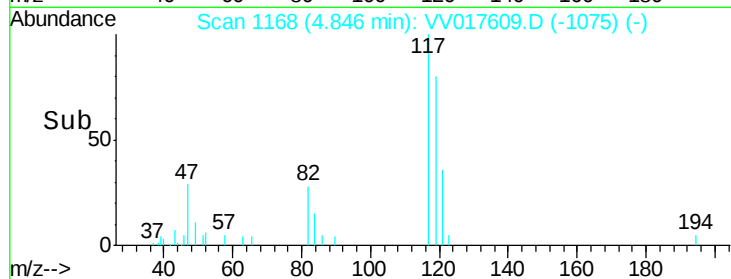
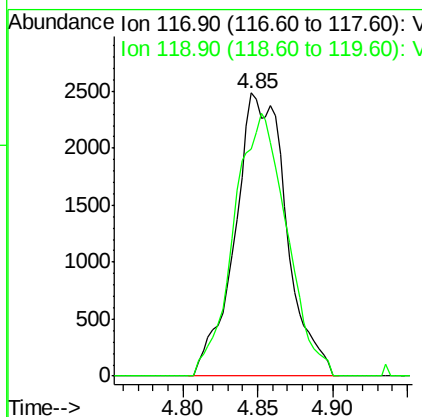
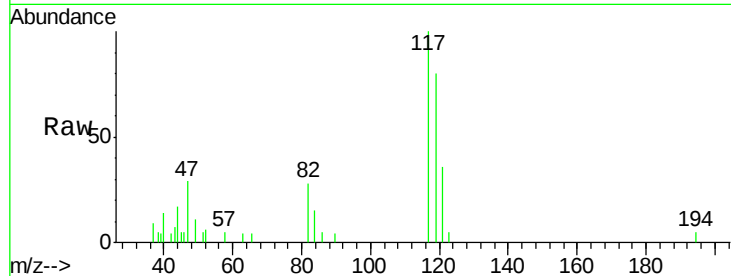
#31  
Carbon tetrachloride  
Concen: 0.275 ug/L  
RT: 4.85 min Scan# 1168  
Delta R.T. -0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampled :  
MDL04

Tot Ion:117 Resp: 5943  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.9 115.3

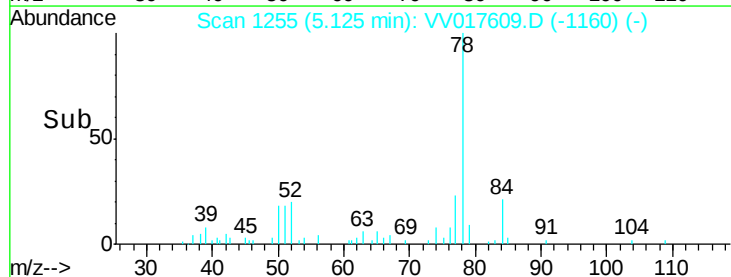
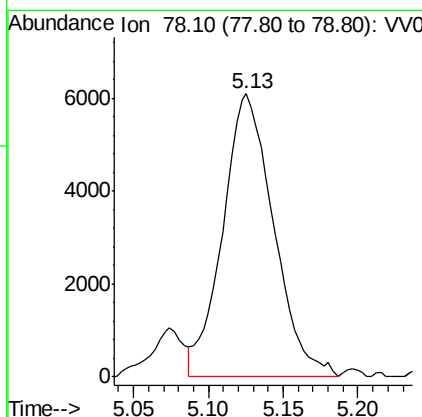
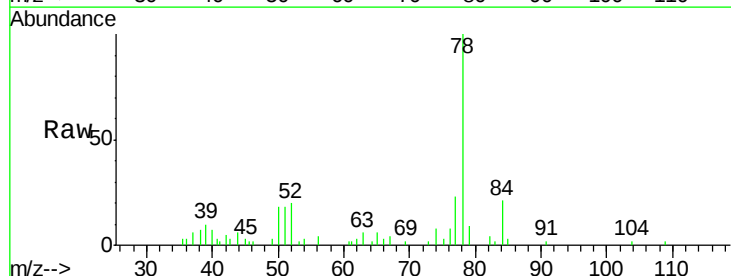
Manual Integrations  
APPROVED

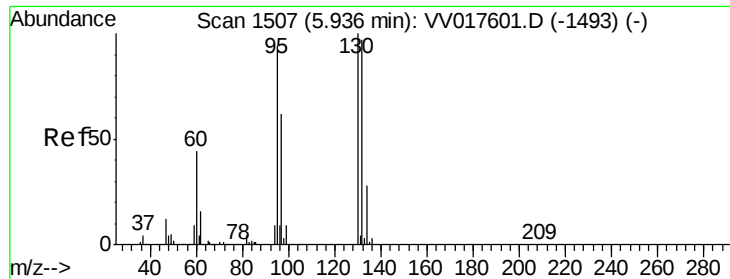
sam  
7/24/2020 7:04:54 PM



#33  
Benzene  
Concen: 0.294 ug/L  
RT: 5.13 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Tgt Ion: 78 Resp: 14428





#34

Trichloroethene

Concen: 0.312 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

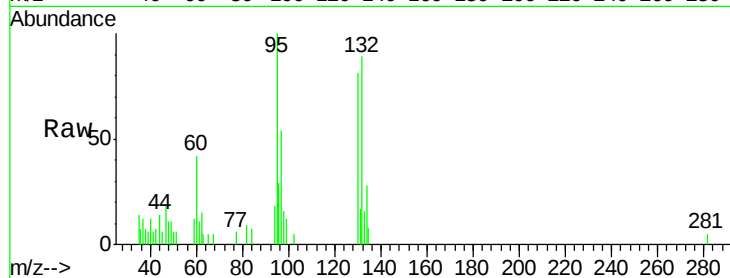
ClientSampled :

MDL04

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 4278  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 54.5  | 46.1  | 85.5  |
| 132      | 89.1  | 71.7  | 133.1 |
| 130      | 80.6  | 74.3  | 137.9 |

Manual Integrations  
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sam  
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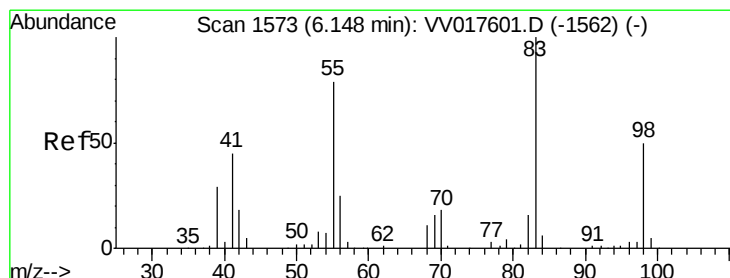
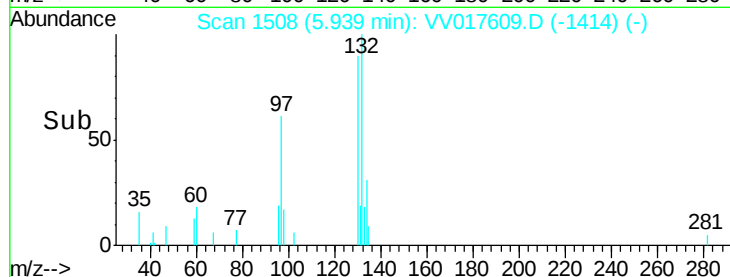
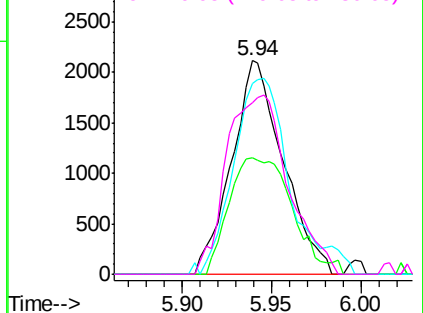


Abundance Ion 95.00 (94.70 to 95.70): VV017601.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV017601.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV017601.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV017601.D (-1493) (-)



#35

Methylcyclohexane

Concen: 0.265 ug/L

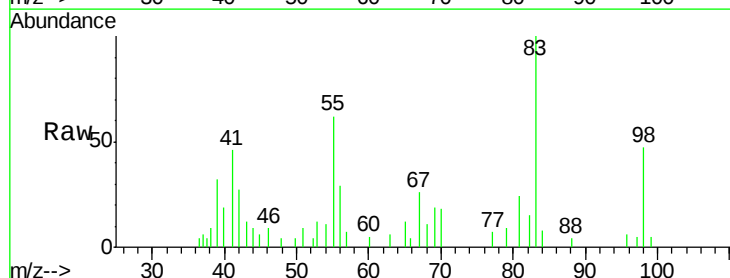
RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

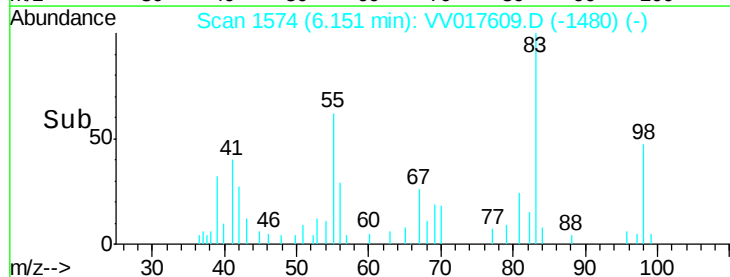
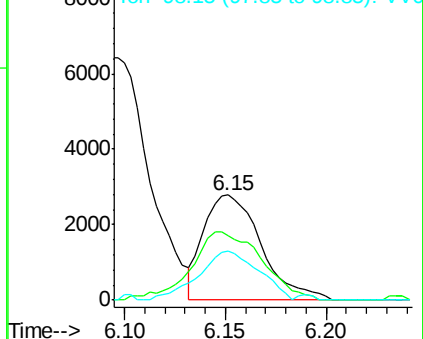
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5496  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 80.0  | 61.8  | 92.8  |
| 98       | 49.1  | 39.0  | 58.6  |

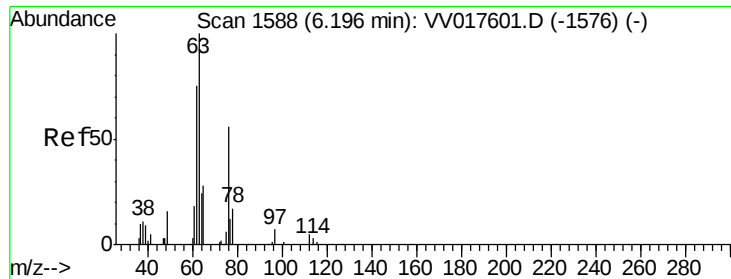


Abundance Ion 83.15 (82.85 to 83.85): VV017609.D (-1480) (-)

Ion 55.10 (54.80 to 55.80): VV017609.D (-1480) (-)

Ion 98.15 (97.85 to 98.85): VV017609.D (-1480) (-)





#37

1,2-Dichloropropane

Concen: 0.296 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampleId :

MDL04

Tot Ion: 63 Resp: 3422

Ion Ratio Lower Upper

63 100

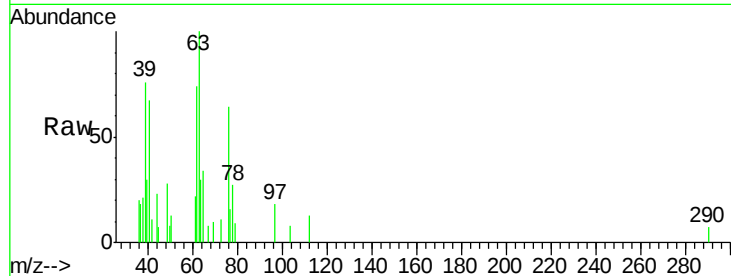
112 3.3 4.5 6.7#

Manual Integrations

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sam

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Abundance Ion 63.10 (62.80 to 63.80): VV017601.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017601.D (-1576) (-)

6.20

1500

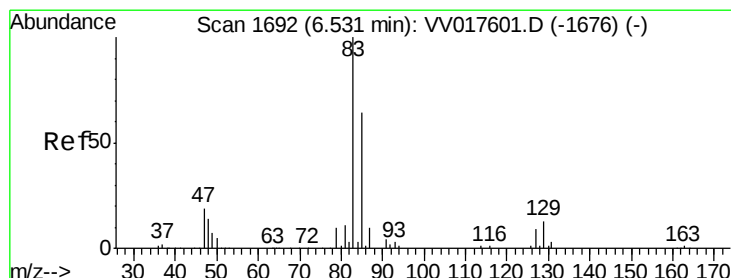
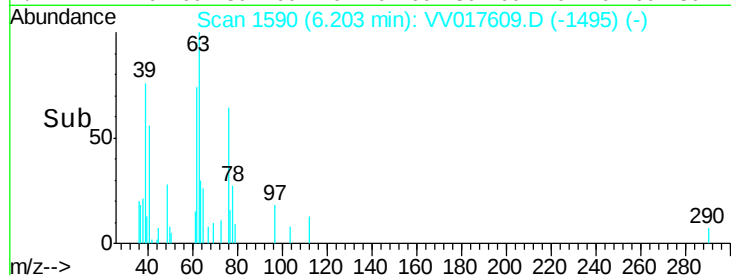
1000

500

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 0.317 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

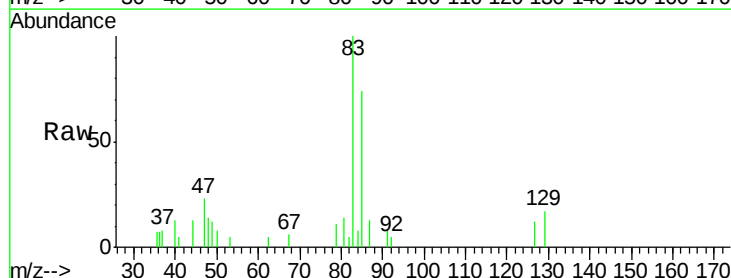
Tgt Ion: 83 Resp: 5381

Ion Ratio Lower Upper

83 100

85 74.2 44.7 83.1

127 12.5 7.4 11.0#



Abundance Ion 82.95 (82.65 to 83.65): VV017601.D (-1676) (-)

Ion 85.00 (84.70 to 85.70): VV017601.D (-1676) (-)

Ion 126.90 (126.60 to 127.60): VV017601.D (-1676) (-)

6.54

3000

2500

2000

1500

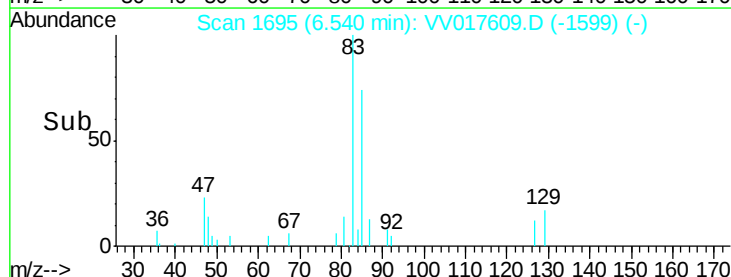
1000

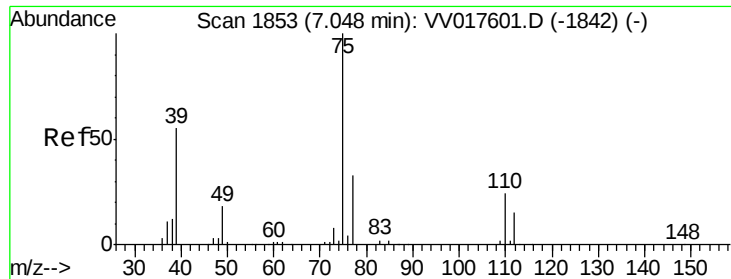
500

0

6.50 6.55 6.60

Time-->





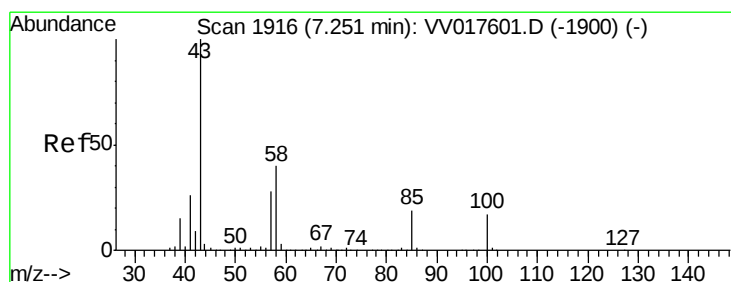
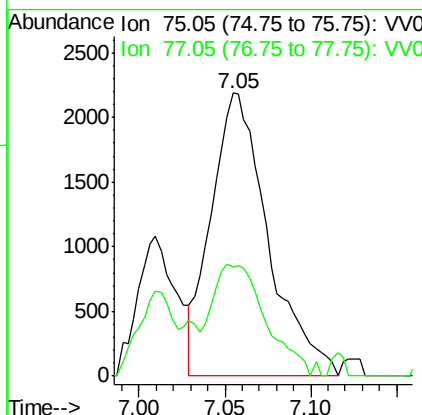
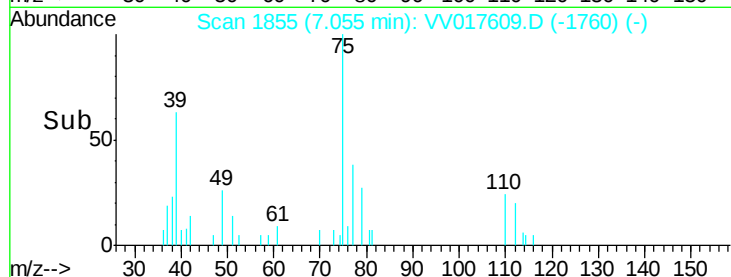
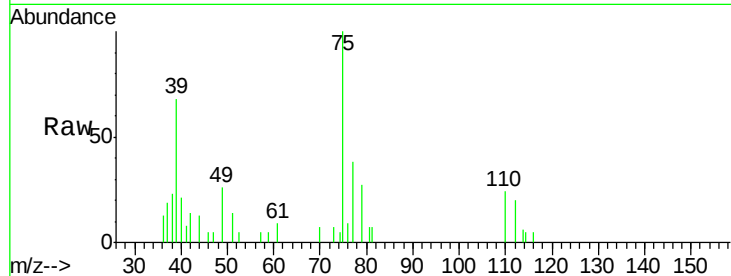
#39  
 cis-1,3-Dichloropropene  
 Concen: 0.290 ug/L  
 RT: 7.05 min Scan# 1855  
 Delta R.T. 0.01 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 MDL04

Tot Ion: 75 Resp: 5052  
 Ion Ratio Lower Upper  
 75 100  
 77 38.4 23.2 43.2

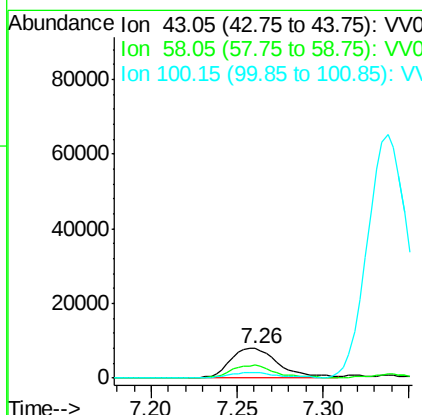
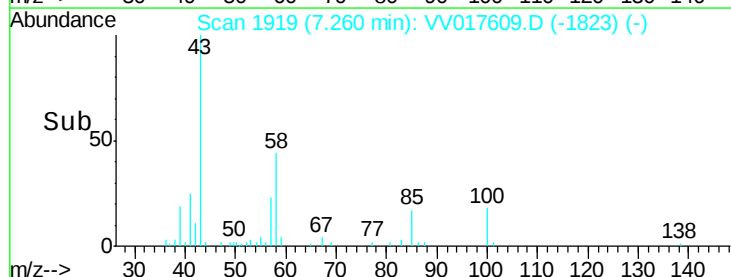
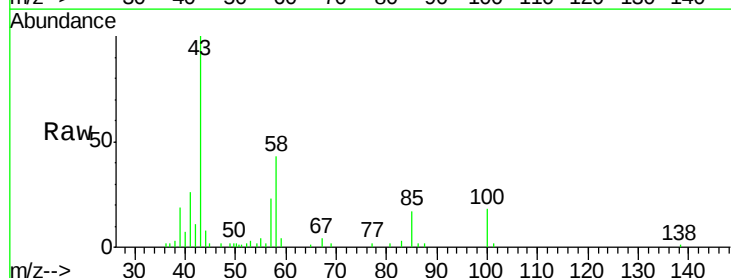
Manual Integrations  
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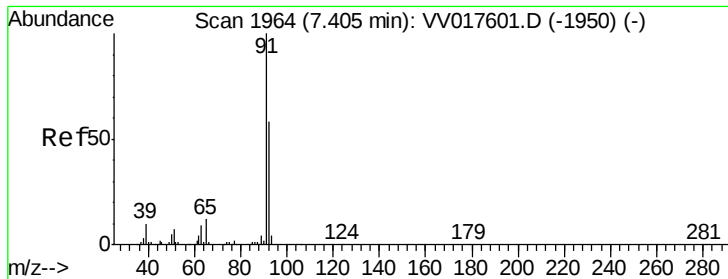
sam  
 7/24/2020 7:04:54 PM



#40  
 4-Methyl-2-pentanone  
 Concen: 2.483 ug/L  
 RT: 7.26 min Scan# 1919  
 Delta R.T. 0.01 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

Tgt Ion: 43 Resp: 15726  
 Ion Ratio Lower Upper  
 43 100  
 58 40.0 31.2 46.8  
 100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.282 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 15122

Ion Ratio Lower Upper

91 100

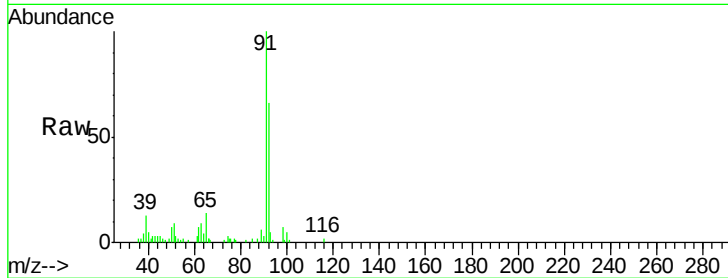
92 65.6 40.8 75.8

Manual Integrations

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sam

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Abundance Ion 91.15 (90.85 to 91.85): VV017601.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017601.D (-1950) (-)

7.41

8000

6000

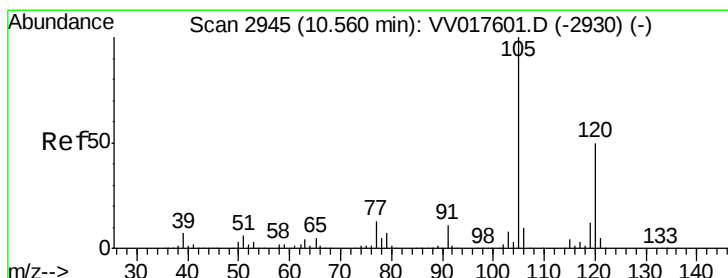
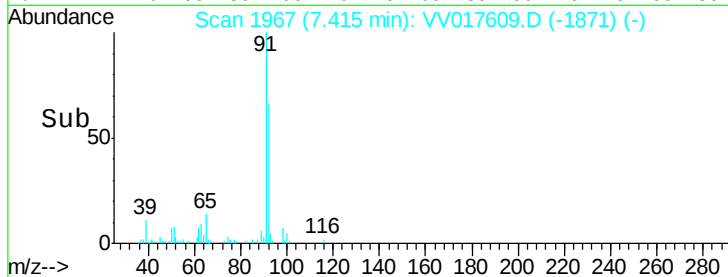
4000

2000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.212 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017609.D

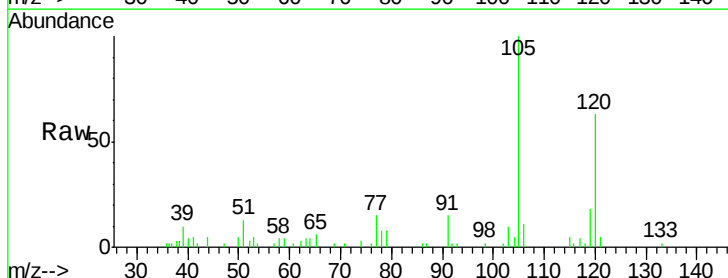
Acq: 23 Jul 2020 17:50

Tgt Ion: 105 Resp: 10636

Ion Ratio Lower Upper

105 100

120 58.2 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017601.D (-2930) (-)

Ion 120.00 (119.70 to 120.70): VV017601.D (-2930) (-)

10.56

6000

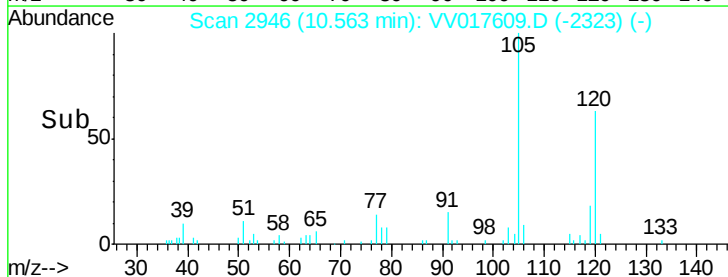
4000

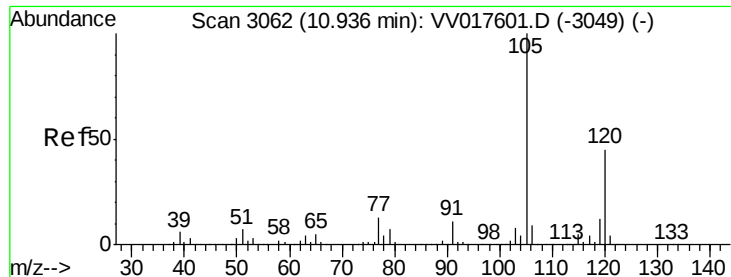
2000

0

10.50 10.55 10.60

Time-->





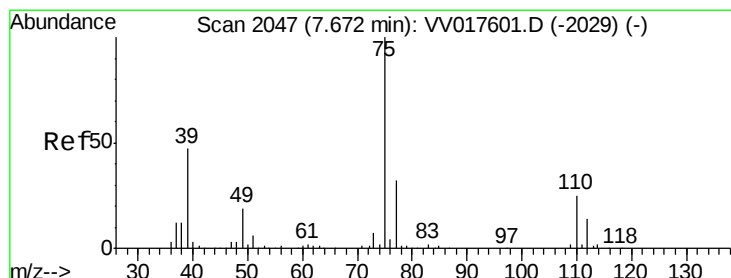
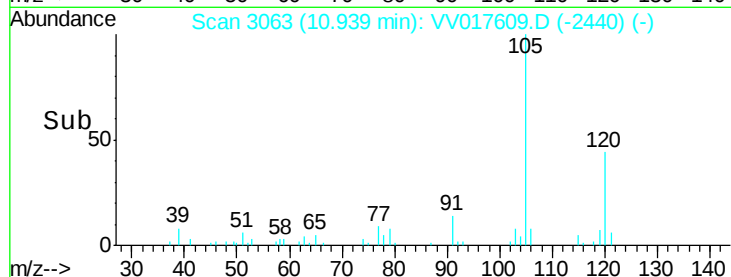
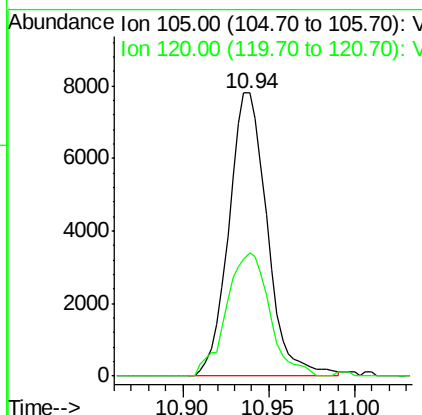
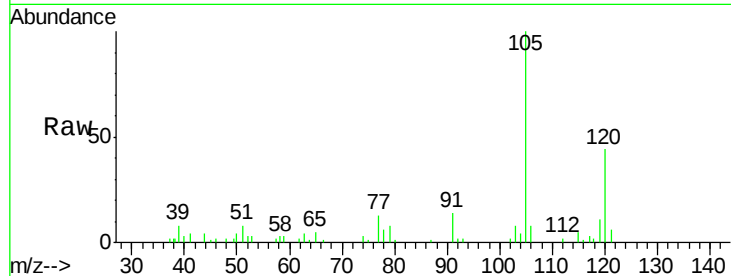
#44  
1,2,4-Trimethylbenzene  
Concen: 0.238 ug/L  
RT: 10.94 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampled :  
MDL04

Tot Ion:105 Resp: 12168  
Ion Ratio Lower Upper  
105 100  
120 48.7 35.9 53.9

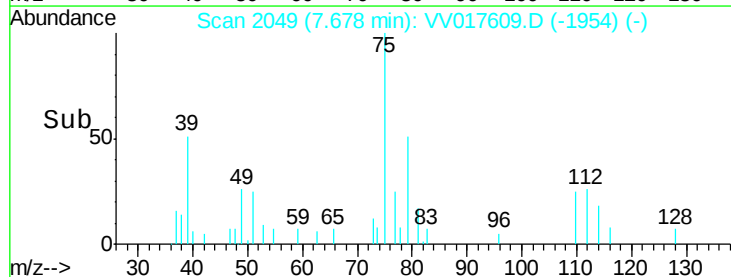
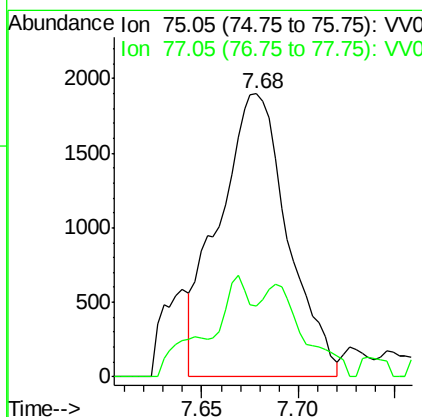
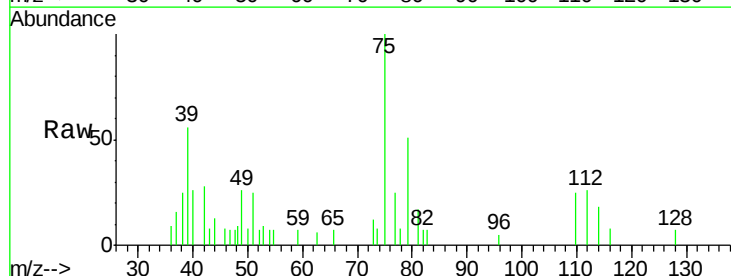
Manual Integrations  
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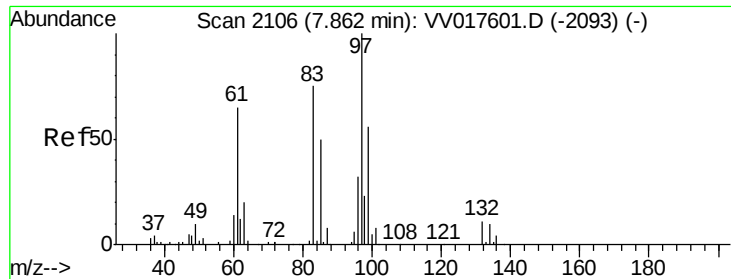
sam  
7/24/2020 7:04:54 PM



#46  
trans-1,3-Dichloropropene  
Concen: 0.302 ug/L m  
RT: 7.68 min Scan# 2049  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Tgt Ion: 75 Resp: 4717  
Ion Ratio Lower Upper  
75 100  
77 24.9 22.5 41.7





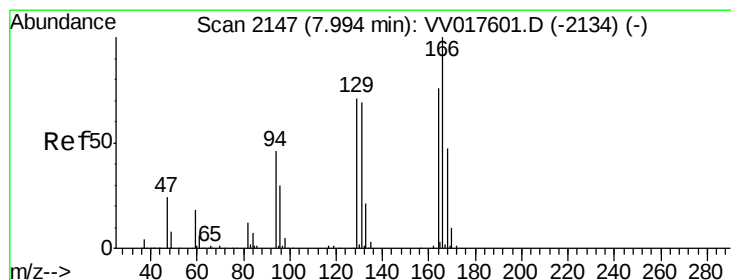
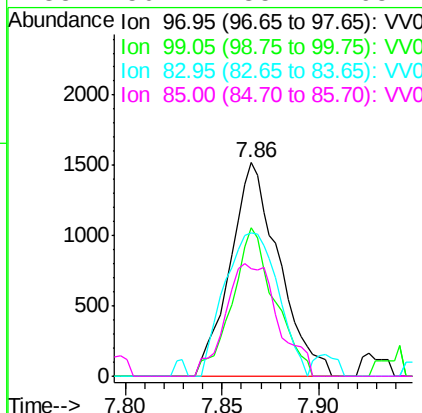
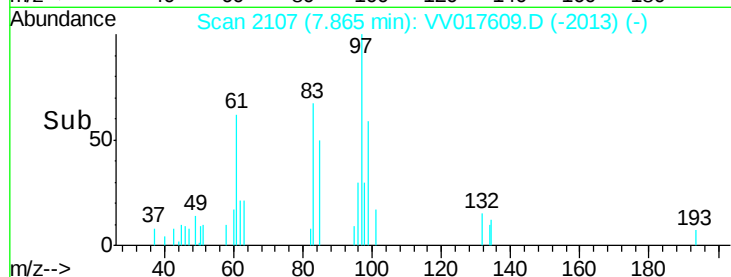
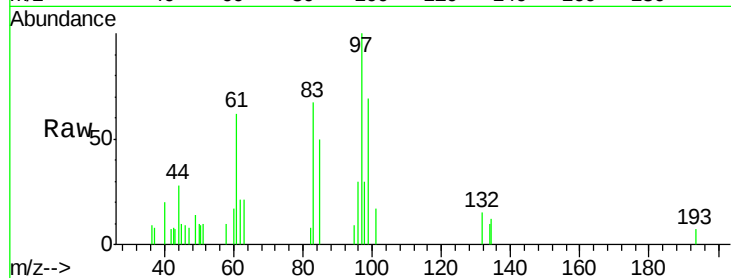
#47  
 1,1,2-Trichloroethane  
 Concen: 0.304 ug/L  
 RT: 7.86 min Scan# 2107  
 Delta R.T. 0.00 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 2660  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 69.3  | 39.5  | 73.4  |
| 83       | 67.1  | 52.6  | 97.6  |
| 85       | 50.4  | 35.1  | 65.1  |

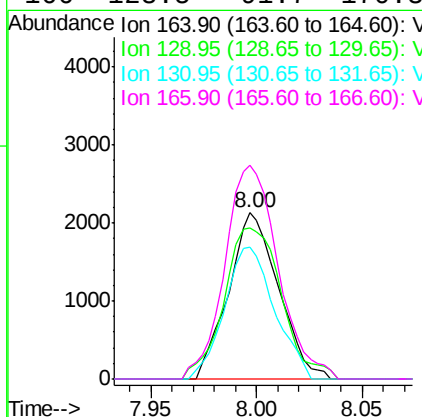
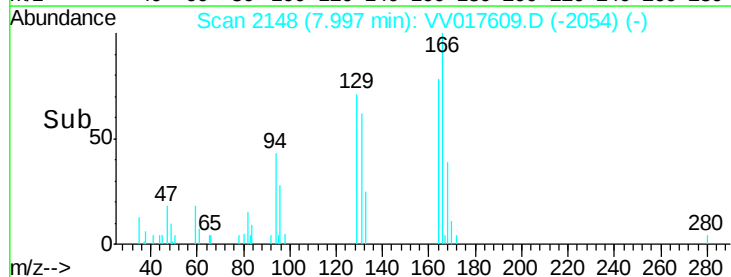
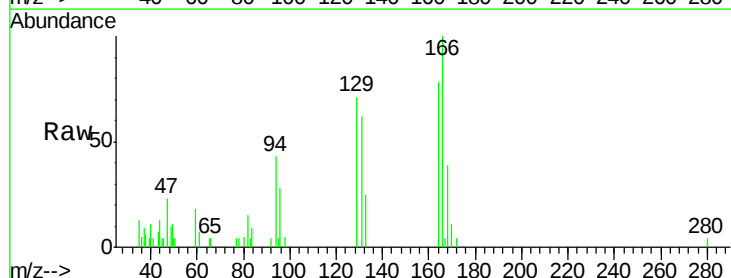
Manual Integrations  
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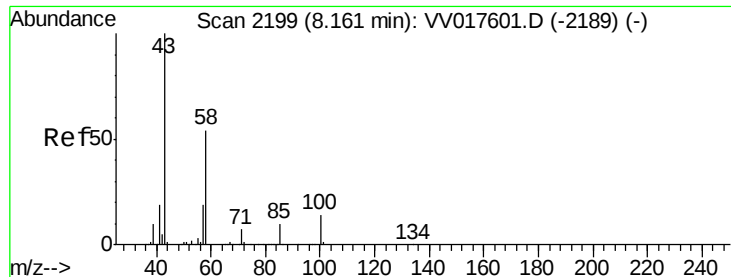
sam  
 7/24/2020 7:04:54 PM



#49  
 Tetrachloroethene  
 Concen: 0.290 ug/L  
 RT: 8.00 min Scan# 2148  
 Delta R.T. 0.00 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 3506  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.6  | 65.0  | 120.8 |
| 131      | 79.7  | 63.6  | 118.2 |
| 166      | 128.5 | 91.7  | 170.3 |





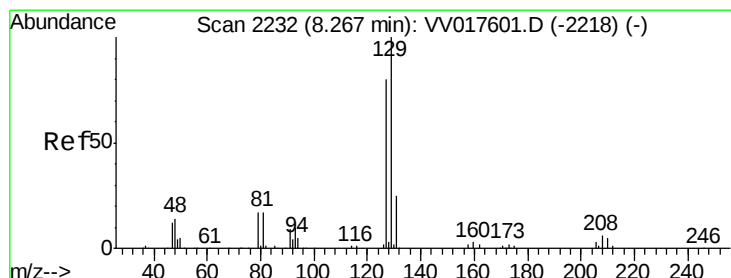
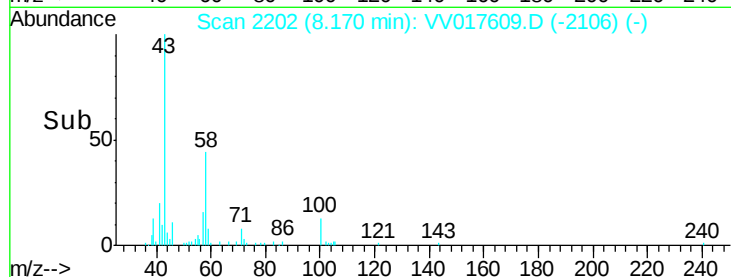
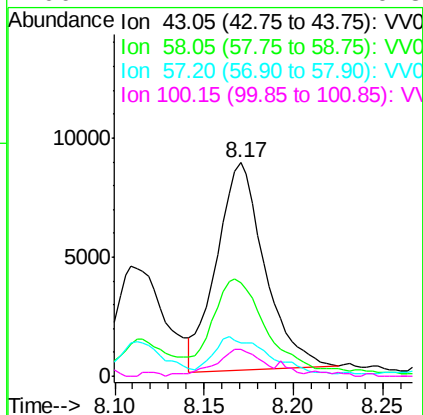
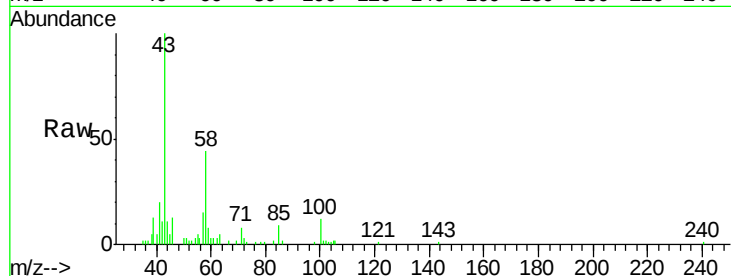
#50  
2-Hexanone  
Concen: 3.626 ug/L  
RT: 8.17 min Scan# 2202  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL04

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 58      | 47.0 | 41.6  | 62.4  |       |
| 57      | 20.2 | 15.4  | 23.0  |       |
| 100     | 12.2 | 11.2  | 16.8  |       |

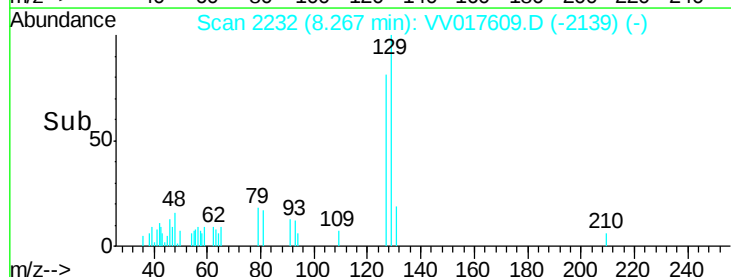
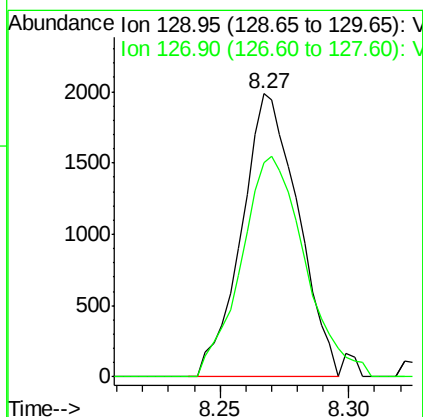
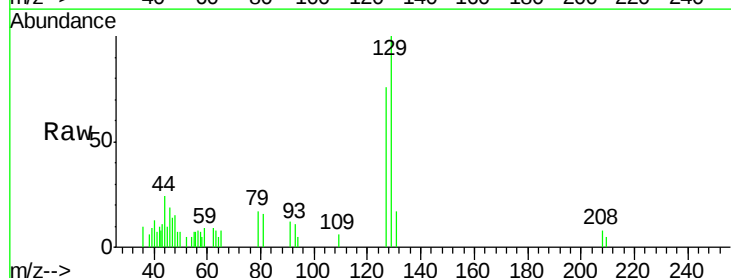
Manual Integrations  
APPROVED

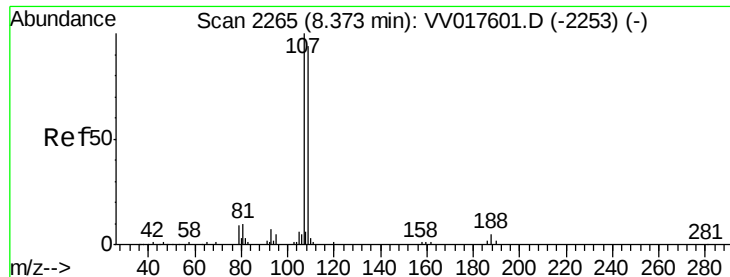
sam  
7/24/2020 7:04:54 PM



#51  
Dibromochloromethane  
Concen: 0.272 ug/L  
RT: 8.27 min Scan# 2232  
Delta R.T. -0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 129     | 100  |       |       |       |
| 127     | 75.7 | 56.3  | 104.5 |       |





#52

1,2-Dibromoethane

Concen: 0.290 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampleId :

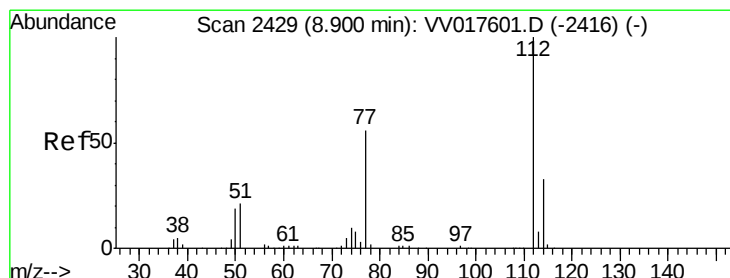
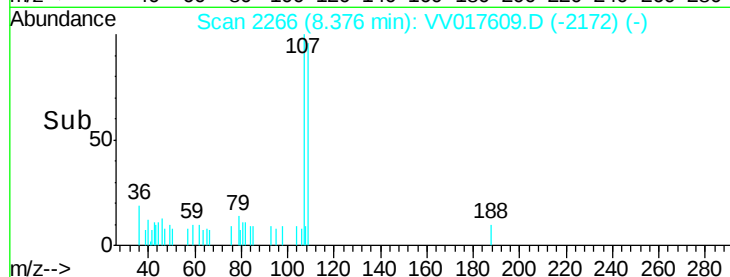
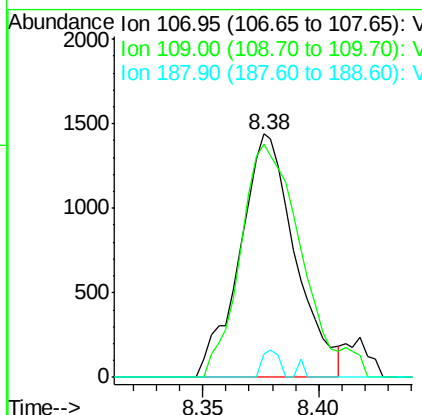
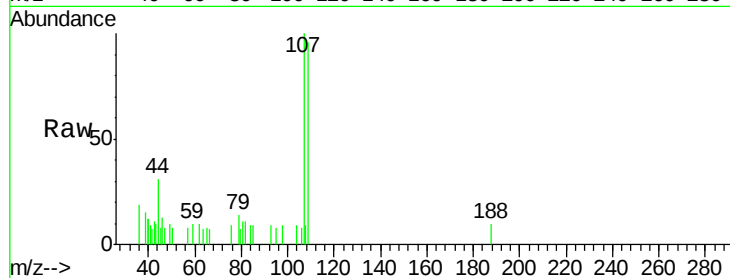
MDL04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 107   | Resp: | 2399  |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 95.7  | 65.5  | 121.7 |
| 188       | 9.5   | 3.7   | 5.5#  |

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#53

Chlorobenzene

Concen: 0.307 ug/L

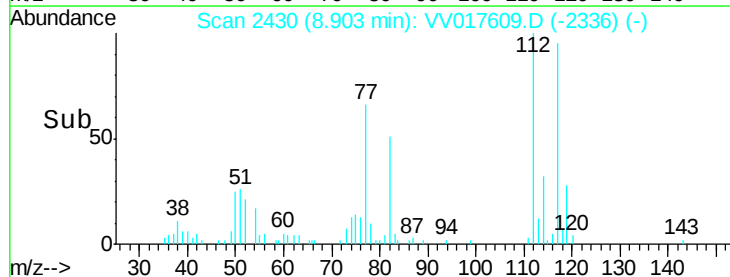
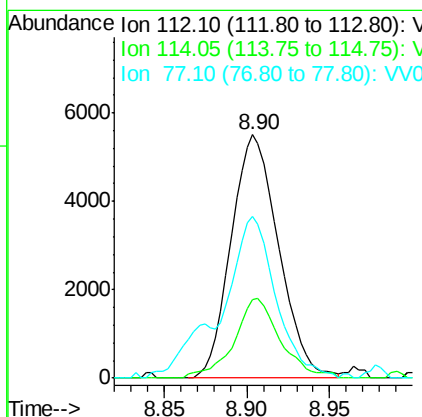
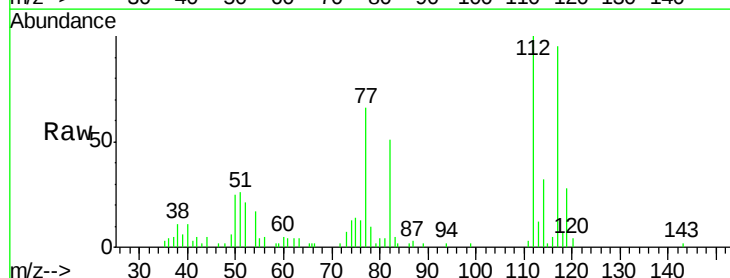
RT: 8.90 min Scan# 2430

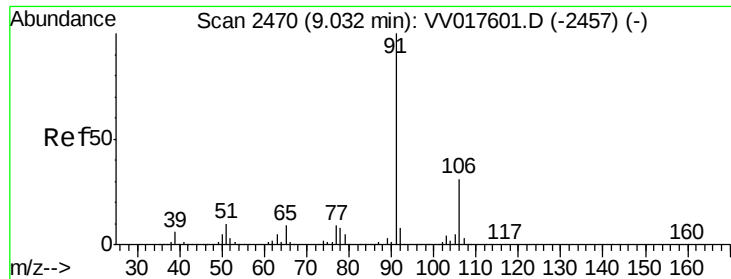
Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 10970 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 114       | 32.1  | 23.2  | 43.2  |
| 77        | 66.2  | 45.6  | 68.4  |





#54

Ethylbenzene

Concen: 0.274 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 16421

Ion Ratio Lower Upper

91 100

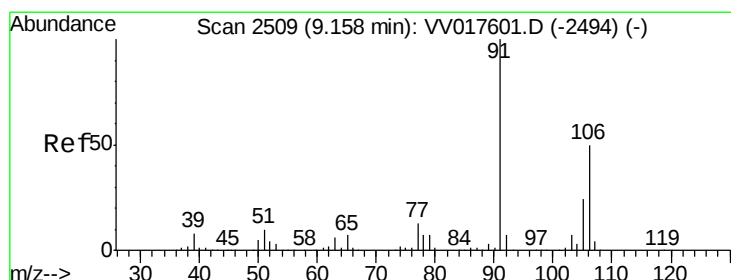
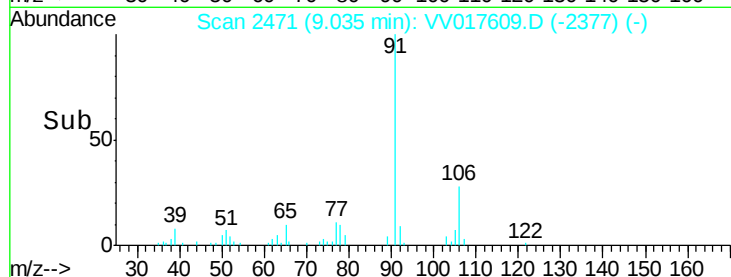
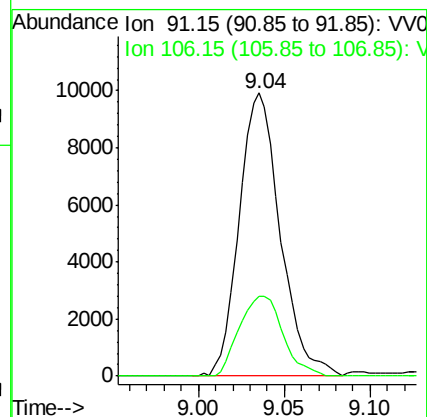
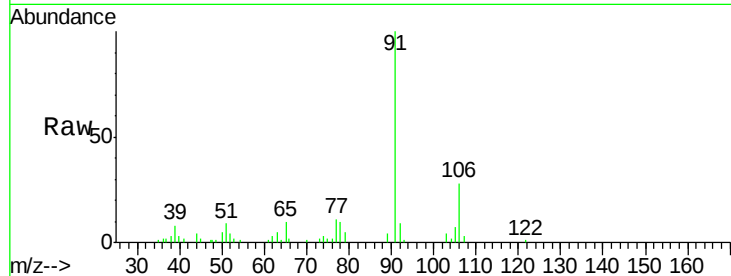
106 28.2 21.6 40.2

Manual Integrations

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#55

m,p-xylene

Concen: 0.261 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017609.D

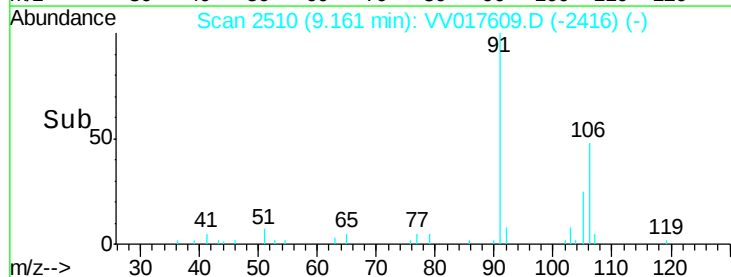
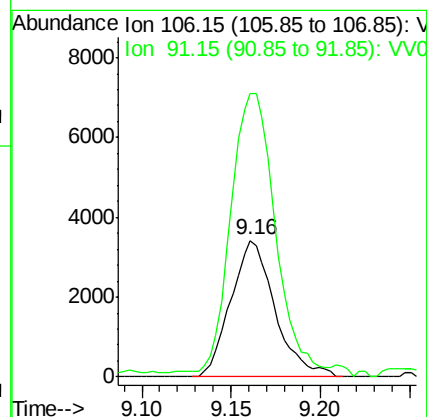
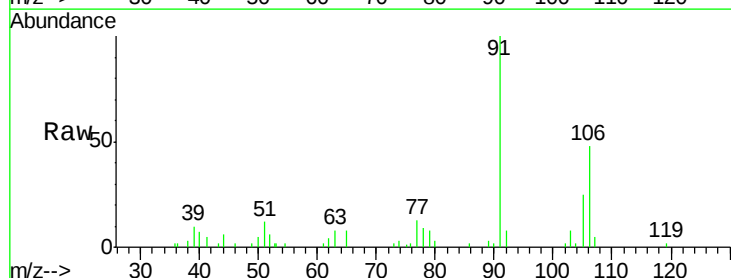
Acq: 23 Jul 2020 17:50

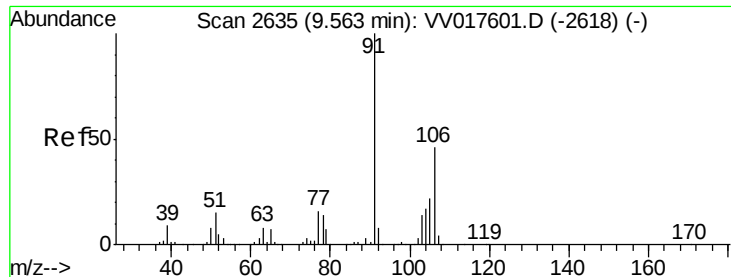
Tgt Ion: 106 Resp: 5906

Ion Ratio Lower Upper

106 100

91 207.7 141.3 262.3





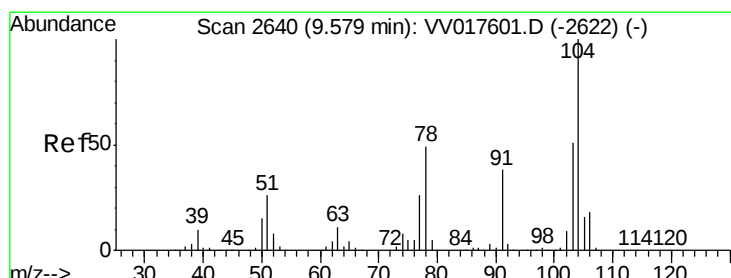
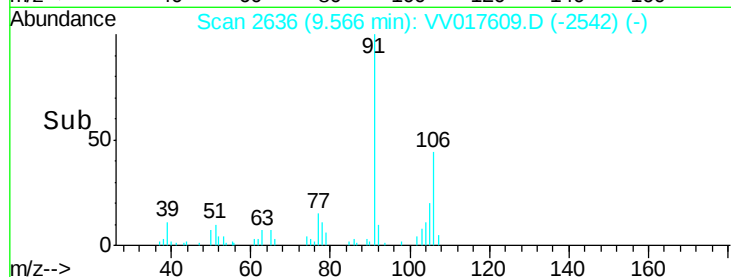
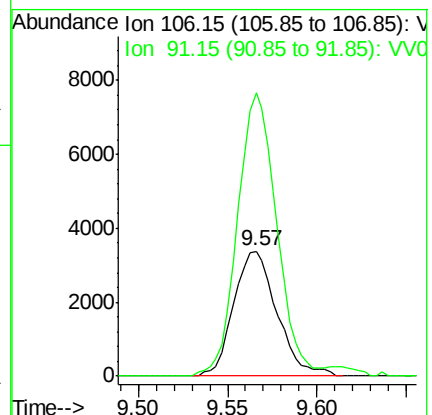
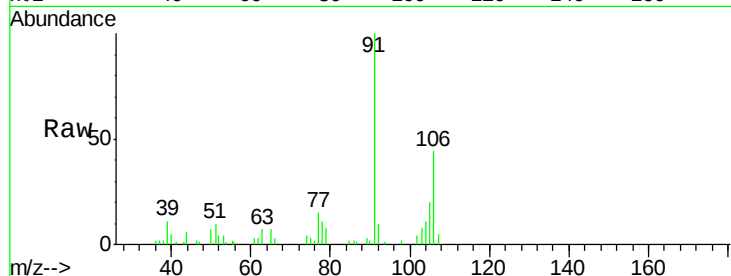
#56  
o-xylene  
Concen: 0.261 ug/L  
RT: 9.57 min Scan# 2636  
Delta R.T. 0.00 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Instrument :  
MSVOA\_V  
ClientSampled :  
MDL04

Tot Ion:106 Resp: 5716  
Ion Ratio Lower Upper  
106 100  
91 226.0 153.9 285.7

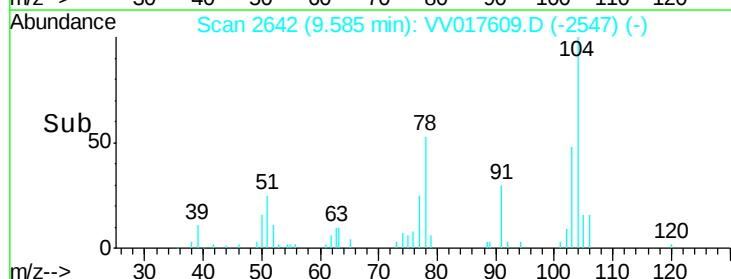
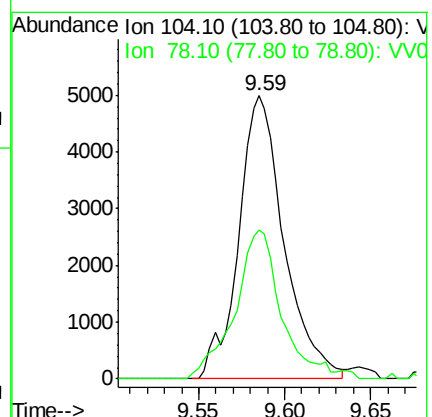
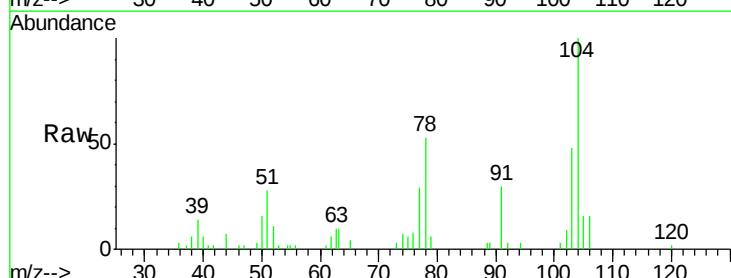
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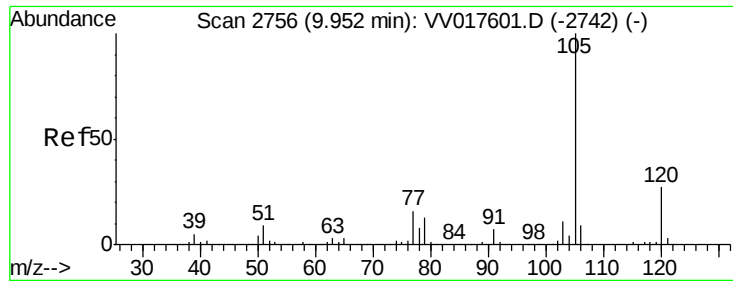
sam  
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#57  
Styrene  
Concen: 0.250 ug/L  
RT: 9.59 min Scan# 2642  
Delta R.T. 0.01 min  
Lab File: VV017609.D  
Acq: 23 Jul 2020 17:50

Tgt Ion:104 Resp: 9143  
Ion Ratio Lower Upper  
104 100  
78 52.7 34.0 63.2





#58

Isopropylbenzene

Concen: 0.250 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampled :

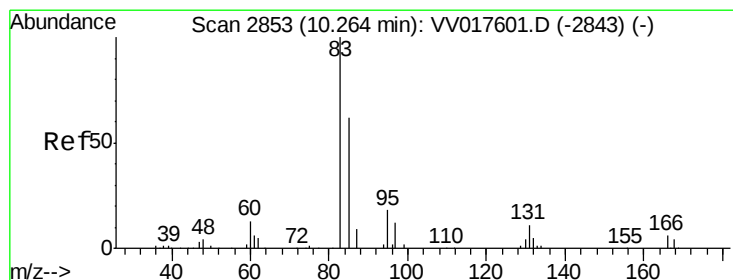
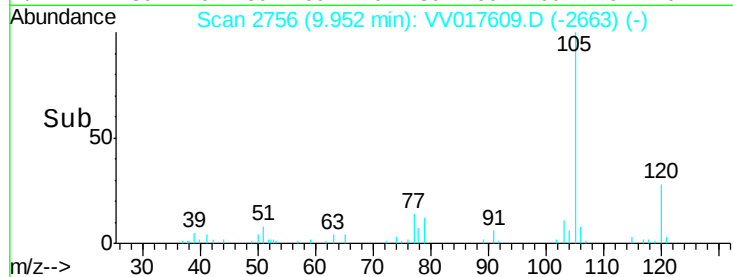
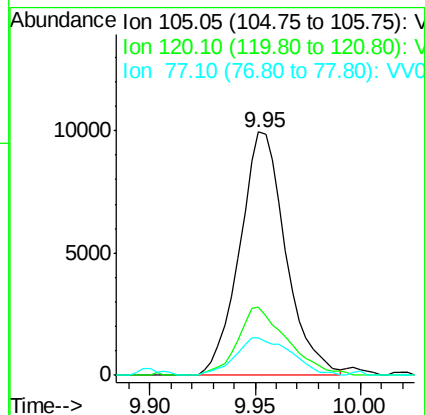
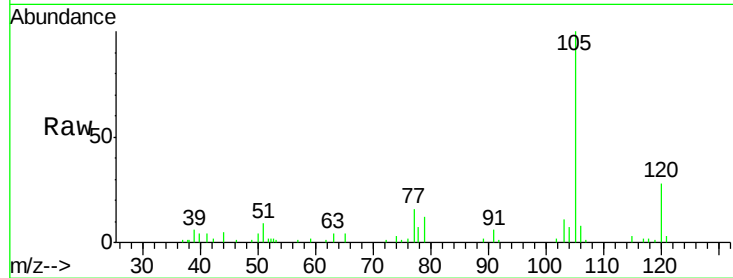
MDL04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 105   | Resp: | 15104 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 30.1  | 21.1  | 31.7  |
| 77        | 18.6  | 13.0  | 19.6  |

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.301 ug/L

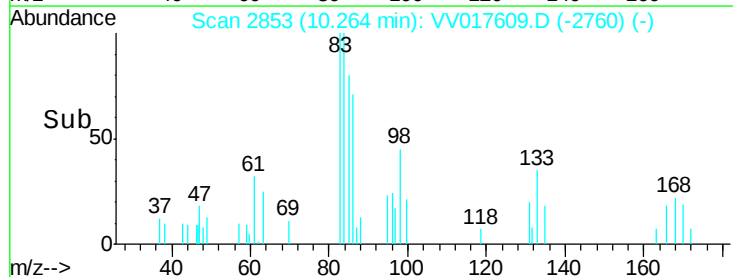
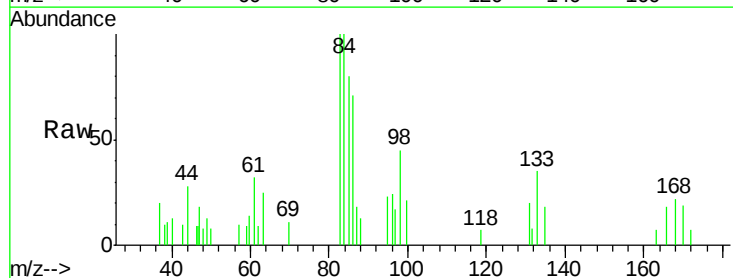
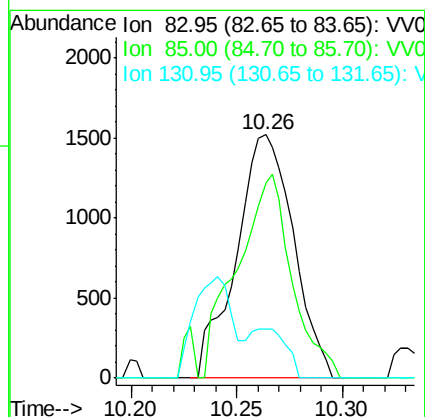
RT: 10.26 min Scan# 2853

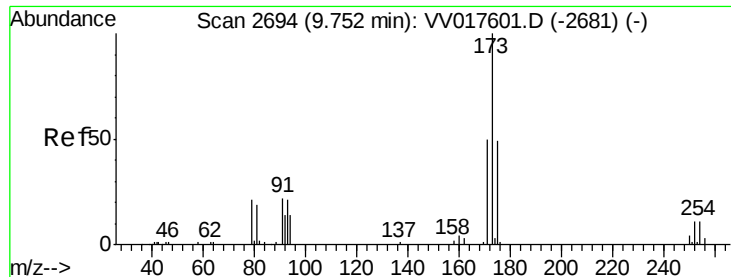
Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 2869  |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 80.2  | 44.4  | 82.5  |
| 131       | 20.3  | 9.2   | 13.8# |





#62

Bromoform

Concen: 0.306 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

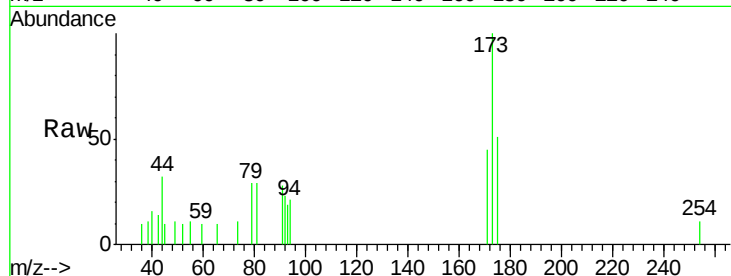
ClientSampled :

MDL04

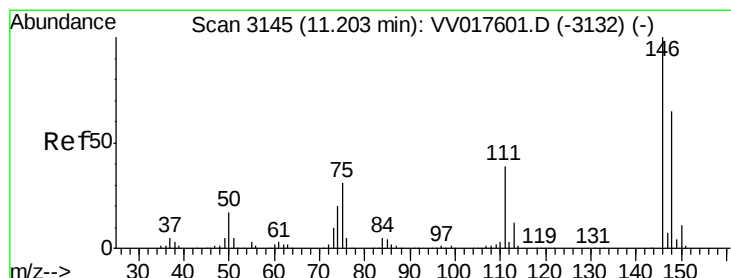
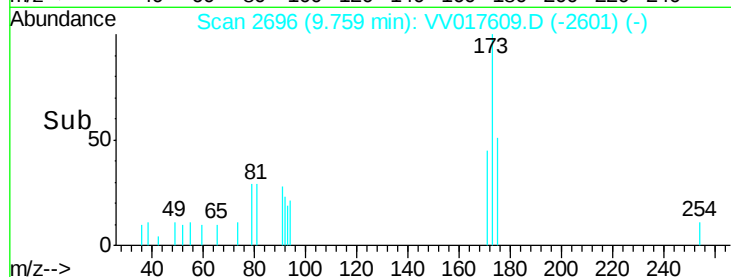
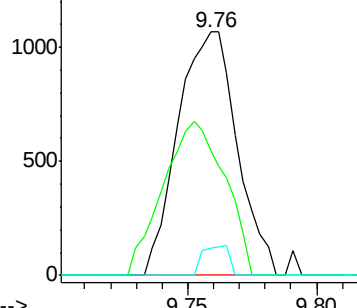
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 65.8  | 39.6  | 59.4# |
| 254     | 5.4   | 8.4   | 12.6# |

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Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 0.314 ug/L

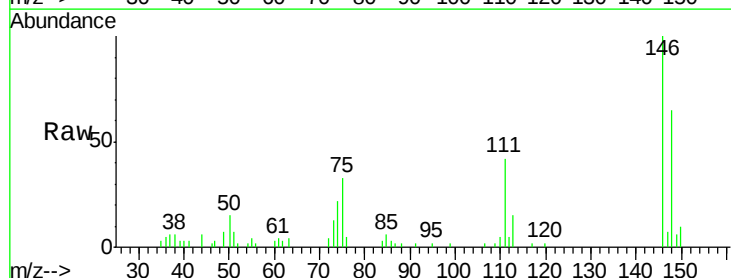
RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

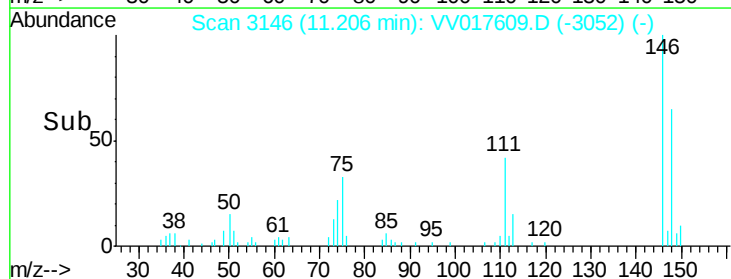
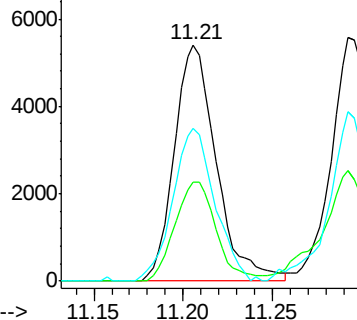
Lab File: VV017609.D

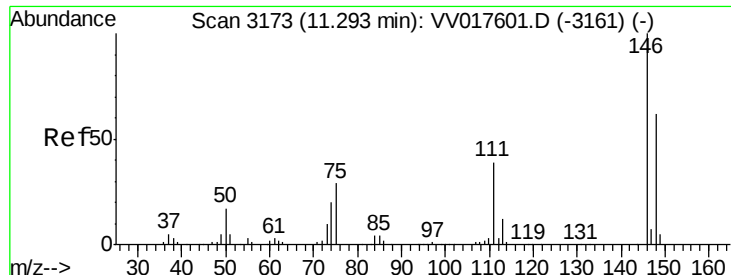
Acq: 23 Jul 2020 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 27.3  | 50.7  |
| 148     | 64.7  | 45.6  | 84.6  |



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





#64

1,4-Dichlorobenzene

Concen: 0.337 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampled :

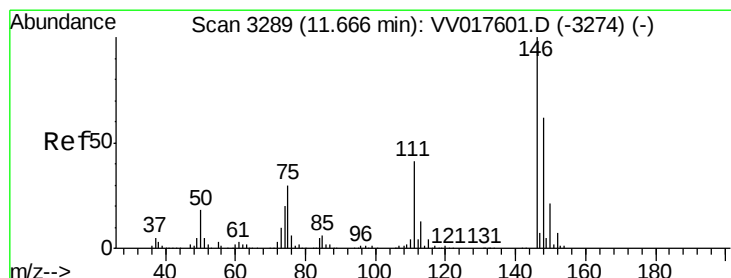
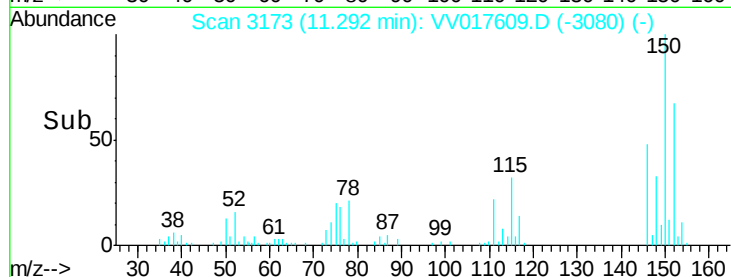
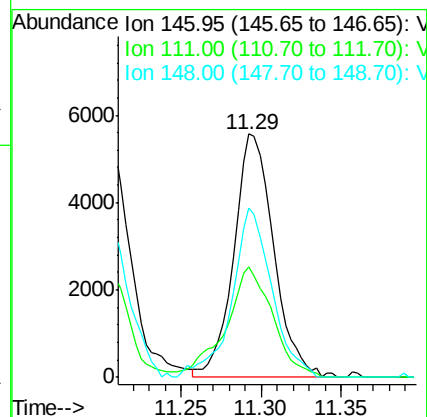
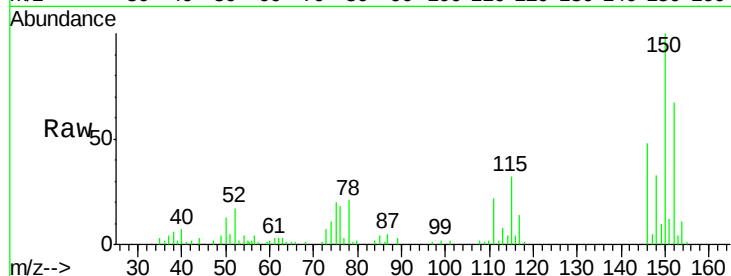
MDL04

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 146   | Resp: | 9502 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 45.3  | 27.4  | 51.0 |
| 148       | 69.3  | 43.8  | 81.4 |

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#66

1,2-Dichlorobenzene

Concen: 0.342 ug/L

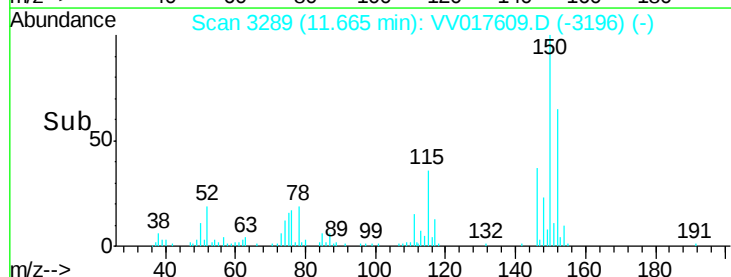
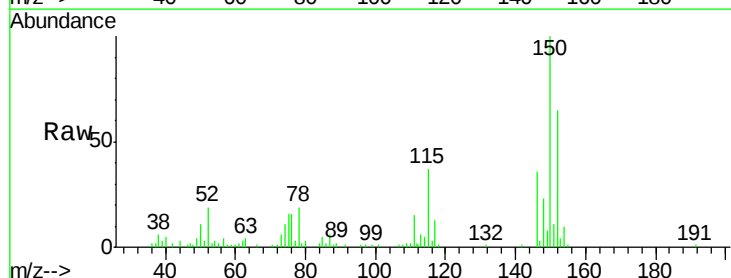
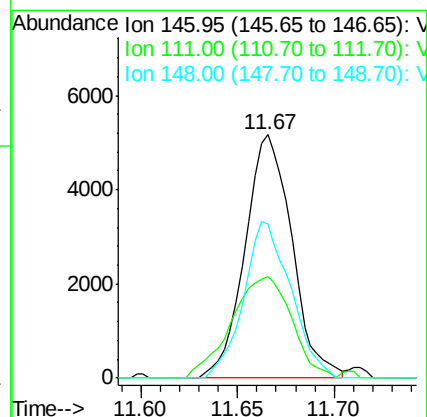
RT: 11.67 min Scan# 3289

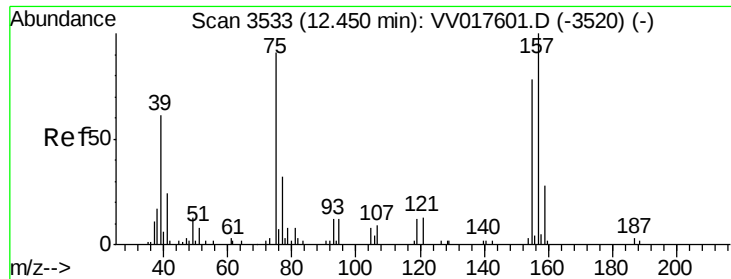
Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 8753 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 41.5  | 33.0  | 49.4 |
| 148       | 63.4  | 49.9  | 74.9 |





#67

1,2-Dibromo-3-chloropropane

Concen: 0.391 ug/L m

RT: 12.46 min Scan# 3537

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA\_V

ClientSampled :

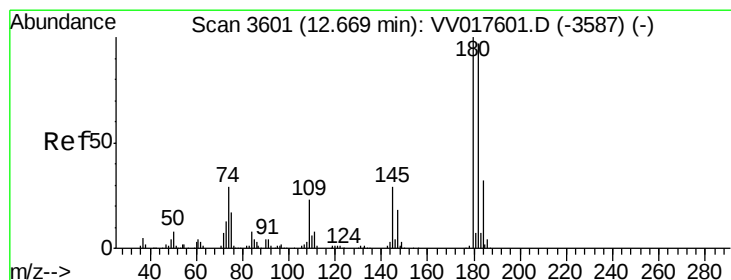
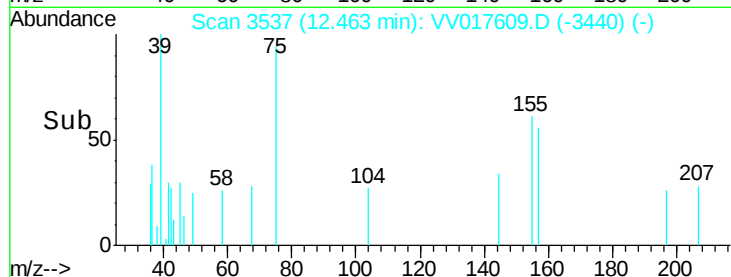
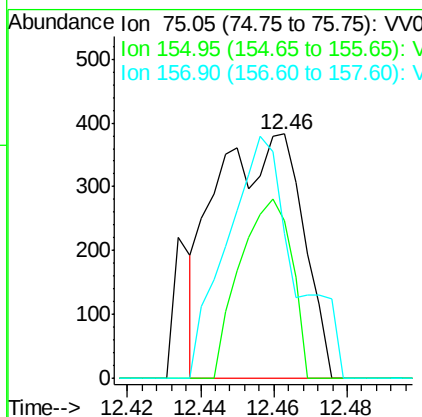
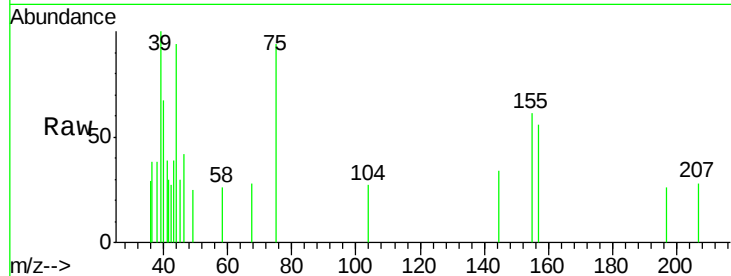
MDL04

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 626    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 64.2  | 68.7  | 103.1# |
| 157      | 59.3  | 87.8  | 131.8# |

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#68

1,3,5-Trichlorobenzene

Concen: 0.304 ug/L

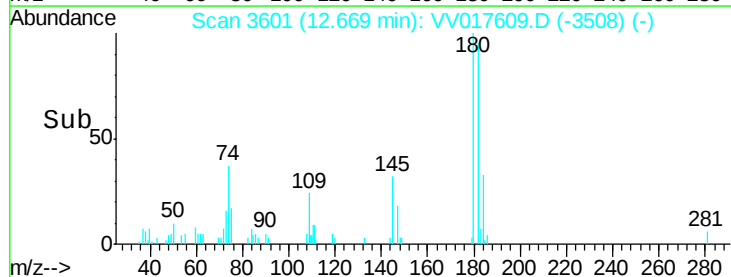
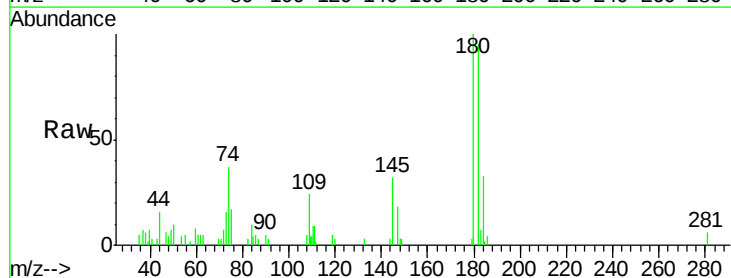
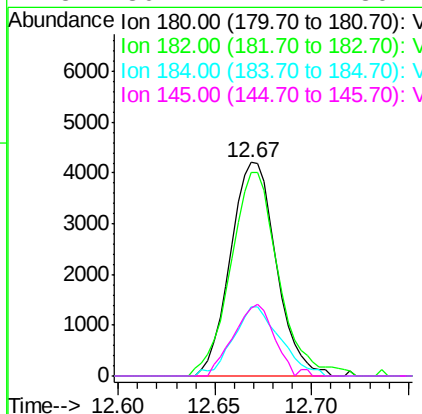
RT: 12.67 min Scan# 3601

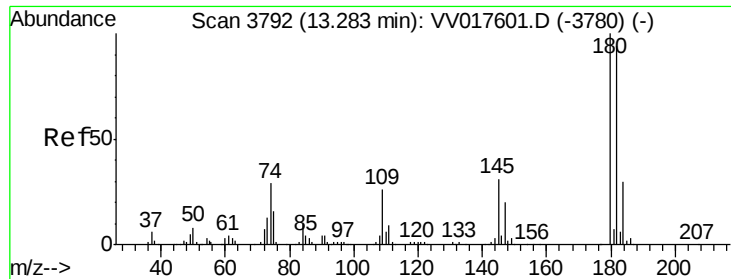
Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 6937  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 99.5  | 77.1  | 115.7 |
| 184      | 33.3  | 25.2  | 37.8  |
| 145      | 30.1  | 24.1  | 36.1  |





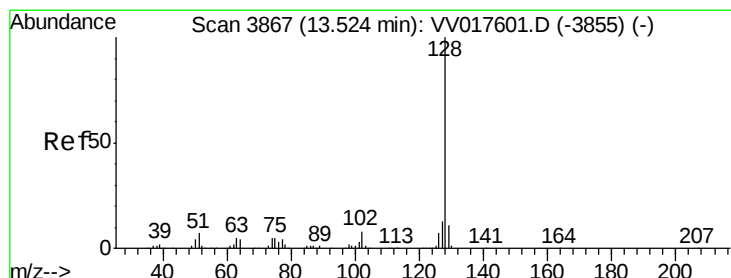
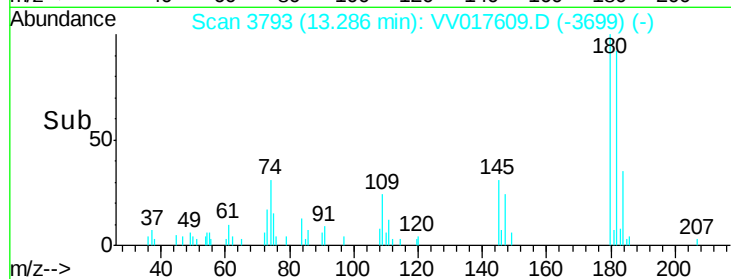
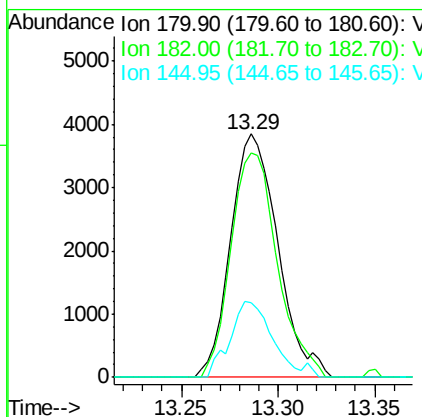
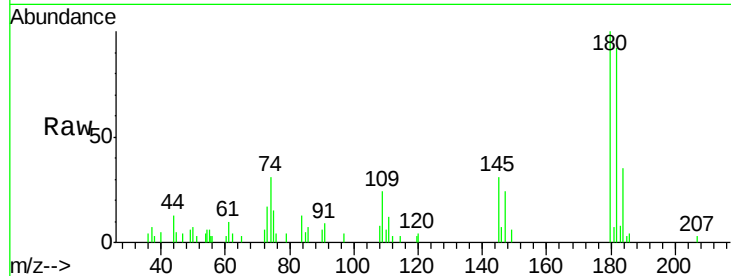
#69  
 1,2,4-trichlorobenzene  
 Concen: 0.341 ug/L  
 RT: 13.29 min Scan# 3793  
 Delta R.T. 0.00 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 MDL04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.2  | 75.4  | 113.2 |
| 145     | 27.5  | 24.2  | 36.2  |

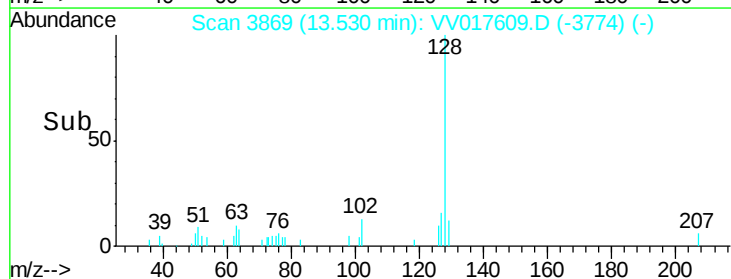
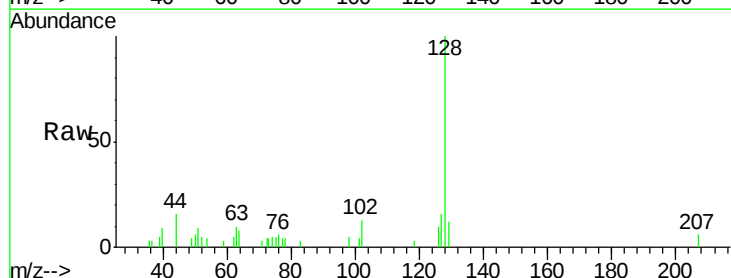
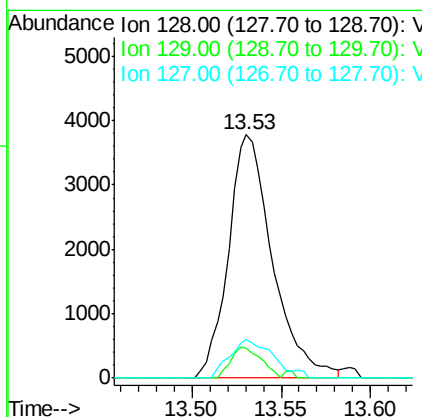
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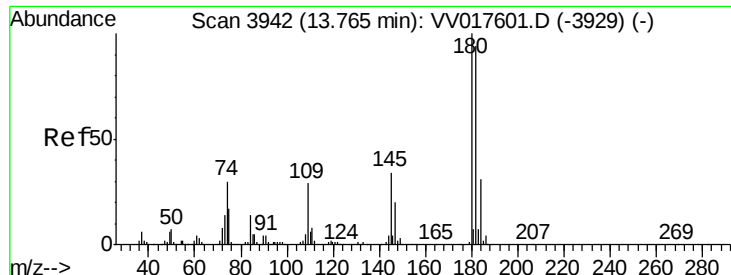
sam  
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#70  
 Naphthalene  
 Concen: 0.244 ug/L  
 RT: 13.53 min Scan# 3869  
 Delta R.T. 0.01 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 8.8   | 9.1   | 13.7# |
| 127     | 15.7  | 11.0  | 16.6  |





#71  
 1,2,3-Trichlorobenzene  
 Concen: 0.275 ug/L  
 RT: 13.77 min Scan# 3943  
 Delta R.T. 0.00 min  
 Lab File: VV017609.D  
 Acq: 23 Jul 2020 17:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.5  | 74.2  | 111.4 |
| 145     | 39.6  | 26.0  | 39.0  |

Manual Integrations  
 APPROVED

sam  
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