

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
 Data File : VV017793.D  
 Acq On : 03 Aug 2020 13:38  
 Operator : SY/MD  
 Sample : K4649-08MSD  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

Manual Integrations  
 APPROVED

sam  
 8/7/2020 7:19:59 PM

Quant Time: Aug 04 02:20:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 04 01:48:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 164298   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 158069   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 89070    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 37079    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 36578    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 112.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 87364    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 103.80% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 104299   | 49.39    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.78%  |
| 24) Chloroform-d               | 4.38   | 84    | 111023   | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 63070    | 5.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 116.00% |
| 32) Benzene-d6                 | 5.07   | 84    | 179083   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 48122    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.40%  |
| 41) Toluene-d8                 | 7.34   | 98    | 164744   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 23942    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.40%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 78576    | 45.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.26%  |
| 56) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37795    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.40%  |
| 66) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 75574    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |

## Target Compounds

|                                |      |     |        |        | Ovalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 73387  | 3.919  | ug/L 99  |
| 3) Chloromethane               | 1.25 | 50  | 50642  | 4.724  | ug/L 100 |
| 5) Vinyl chloride              | 1.32 | 62  | 53835  | 4.909  | ug/L 97  |
| 6) Bromomethane                | 1.53 | 94  | 37620  | 5.740  | ug/L 91  |
| 8) Chloroethane                | 1.59 | 64  | 32938  | 5.527  | ug/L 95  |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 108788 | 5.800  | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 47744  | 5.859  | ug/L 97  |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 47383  | 6.278  | ug/L 90  |
| 13) Acetone                    | 2.24 | 43  | 73470m | 63.216 | ug/L     |
| 14) Carbon disulfide           | 2.31 | 76  | 130650 | 6.199  | ug/L 100 |
| 15) Methyl Acetate             | 2.46 | 43  | 14746  | 6.174  | ug/L 96  |
| 16) Methylene chloride         | 2.52 | 84  | 61652  | 7.965  | ug/L 97  |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 115736 | 4.877  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 50704  | 4.662  | ug/L 97  |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 90948  | 4.676  | ug/L 98  |
| 21) 2-Butanone                 | 4.05 | 43  | 100534 | 43.841 | ug/L 99  |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 56887  | 4.912  | ug/L 90  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
 Data File : VV017793.D  
 Acq On : 03 Aug 2020 13:38  
 Operator : SY/MD  
 Sample : K4649-08MSD  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

Manual Integrations  
 APPROVED

sam  
 8/7/2020 7:19:59 PM

Quant Time: Aug 04 02:20:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 04 01:48:46 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 23) Bromochloromethane         | 4.28  | 128  | 25664    | 5.053  | ug/L   | 90       |
| 25) Chloroform                 | 4.40  | 83   | 109704   | 4.498  | ug/L   | 100      |
| 27) 1,2-Dichloroethane         | 5.16  | 62   | 72802    | 5.409  | ug/L # | 94       |
| 29) 1,1,1-Trichloroethane      | 4.63  | 97   | 108129   | 5.534  | ug/L   | 99       |
| 30) Cyclohexane                | 4.69  | 56   | 70149    | 4.197  | ug/L   | 97       |
| 31) Carbon tetrachloride       | 4.85  | 117  | 100927   | 5.740  | ug/L   | 97       |
| 33) Benzene                    | 5.12  | 78   | 202095   | 4.707  | ug/L   | 100      |
| 34) Trichloroethene            | 5.94  | 95   | 60164    | 4.913  | ug/L   | 95       |
| 35) Methylcyclohexane          | 6.15  | 83   | 79697    | 4.154  | ug/L   | 99       |
| 37) 1,2-Dichloropropane        | 6.20  | 63   | 45620    | 4.592  | ug/L # | 95       |
| 38) Bromodichloromethane       | 6.53  | 83   | 75213    | 5.362  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene    | 7.05  | 75   | 76663    | 4.922  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone       | 7.25  | 43   | 237546   | 42.392 | ug/L   | 99       |
| 42) Toluene                    | 7.41  | 91   | 231550   | 4.850  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75   | 67908    | 5.392  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 35427    | 4.676  | ug/L   | 99       |
| 47) Tetrachloroethene          | 8.00  | 164  | 52301    | 4.888  | ug/L   | 97       |
| 48) 2-Hexanone                 | 8.16  | 43   | 176292   | 44.516 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.27  | 129  | 49509    | 5.330  | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 8.38  | 107  | 32138    | 4.538  | ug/L # | 98       |
| 51) Chlorobenzene              | 8.90  | 112  | 152960   | 4.792  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.03  | 91   | 261181   | 4.794  | ug/L   | 99       |
| 53) m,p-xylene                 | 9.16  | 106  | 102853   | 4.960  | ug/L   | 96       |
| 54) o-xylene                   | 9.56  | 106  | 96792    | 4.931  | ug/L   | 94       |
| 55) Styrene                    | 9.58  | 104  | 169443   | 5.124  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 35368    | 4.350  | ug/L   | 97       |
| 59) Bromoform                  | 9.75  | 173  | 28328    | 5.261  | ug/L   | 100      |
| 60) Isopropylbenzene           | 9.95  | 105  | 273944   | 4.814  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane     | 10.30 | 75   | 29847    | 4.598  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 231539   | 4.928  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 239563   | 5.131  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene        | 11.20 | 146  | 138064   | 4.869  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene        | 11.29 | 146  | 134284   | 4.647  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene        | 11.67 | 146  | 125378   | 4.866  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 7880     | 5.887  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 112230   | 4.787  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene     | 13.28 | 180  | 91814    | 4.949  | ug/L   | 100      |
| 71) Naphthalene                | 13.53 | 128  | 127174   | 4.941  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 81825    | 4.976  | ug/L   | 98       |
| -----                          |       |      |          |        |        |          |

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

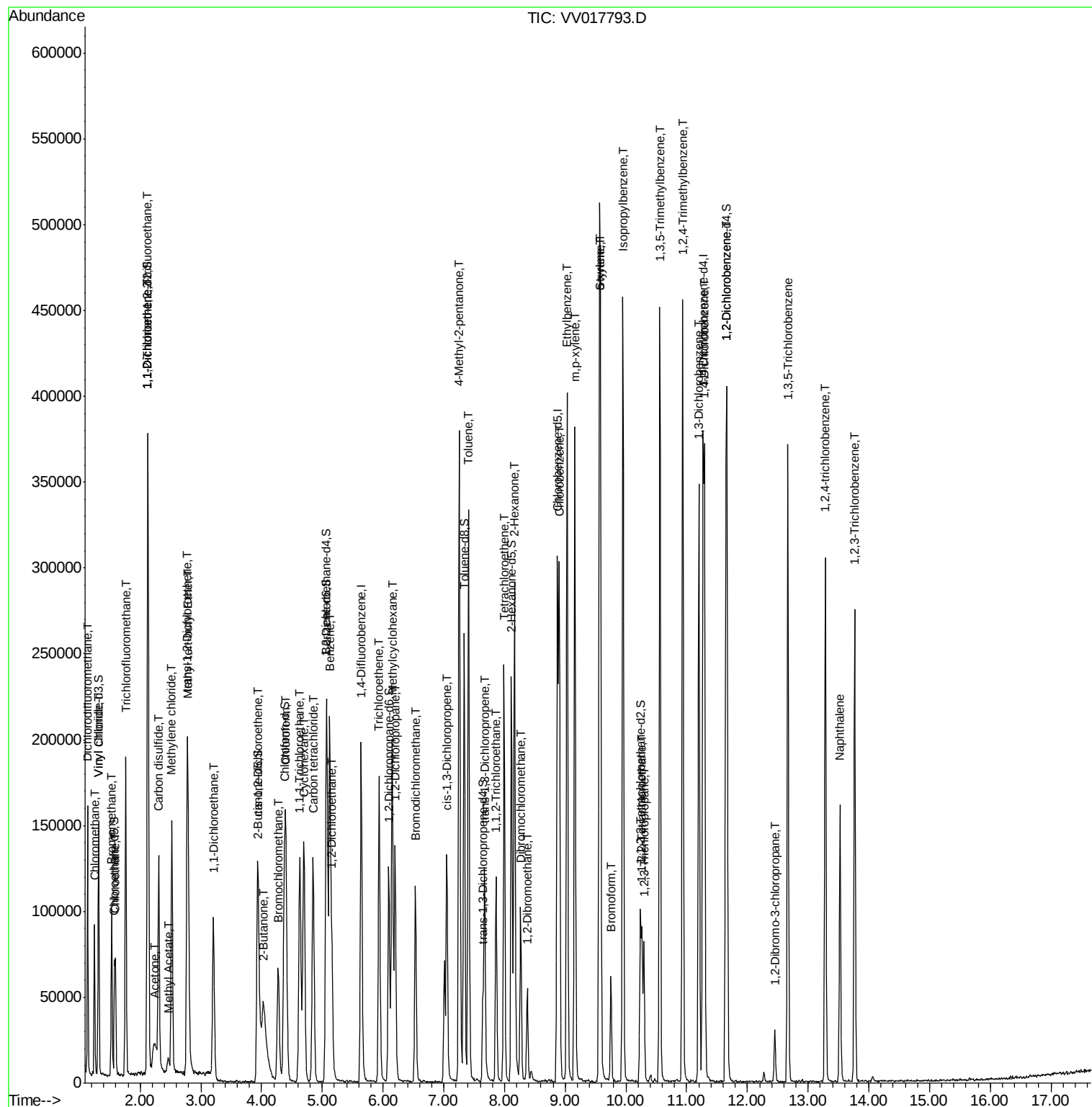
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
Data File : VV017793.D  
Acq On : 03 Aug 2020 13:38  
Operator : SY/MD  
Sample : K4649-08MSD  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 5 Sample Multiplier: 1

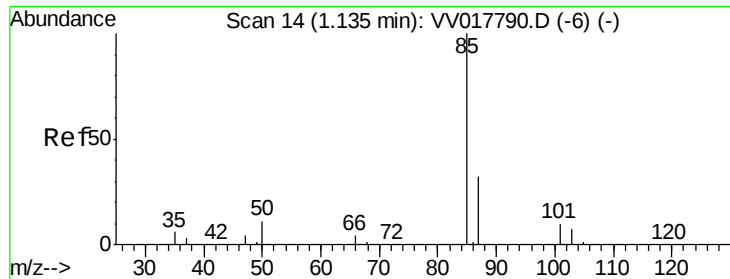
Instrument :  
MSVOA\_V  
ClientSampled :  
A5169MSD

Manual Integrations  
APPROVED

sam  
8/7/2020 7:19:59 PM

Quant Time: Aug 04 02:20:15 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 04 01:48:46 2020  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.919 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion: 85 Resp: 73387

Ion Ratio Lower Upper

85 100

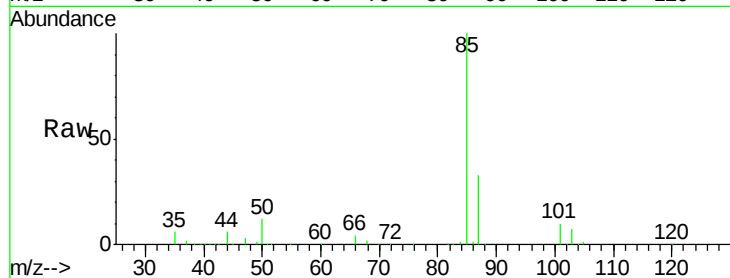
87 32.9 25.9 38.9

Manual Integrations

APPROVED

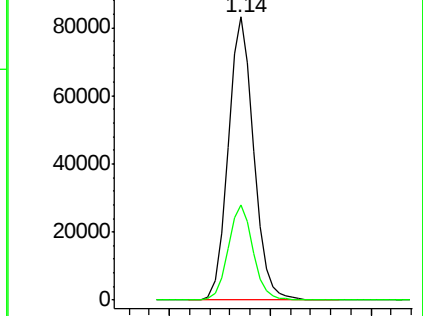
sam

8/7/2020 7:19:59 PM

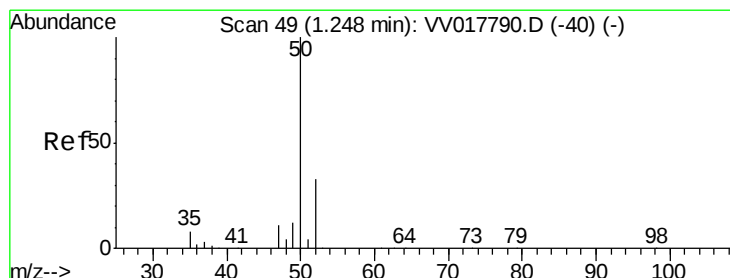
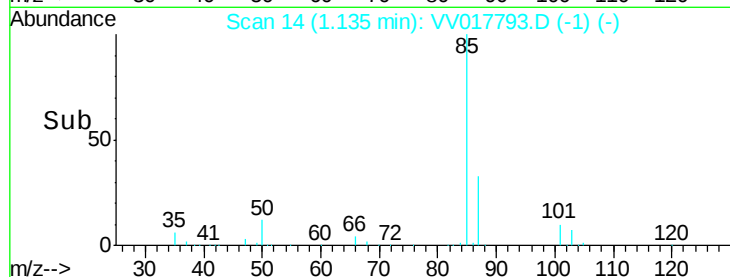


Abundance Ion 85.00 (84.70 to 85.70): VV017793.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017793.D (-6) (-)



Time-->



#3

Chloromethane

Concen: 4.724 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017793.D

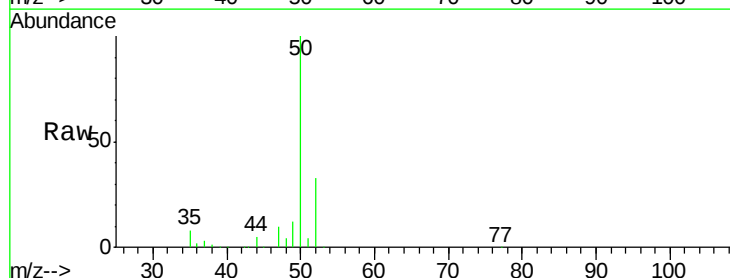
Acq: 03 Aug 2020 13:38

Tgt Ion: 50 Resp: 50642

Ion Ratio Lower Upper

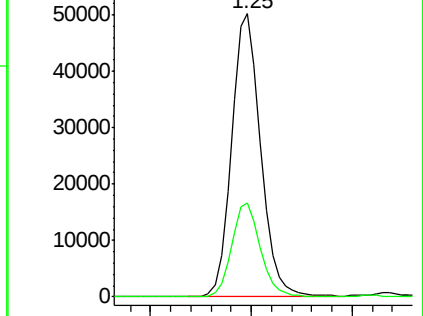
50 100

52 33.4 23.4 43.4

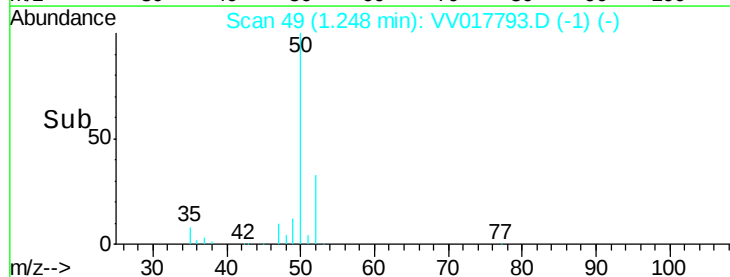


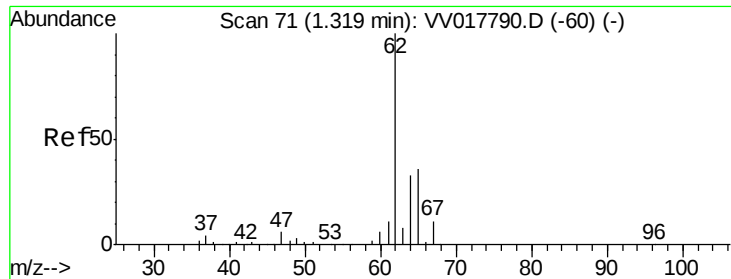
Abundance Ion 50.05 (49.75 to 50.75): VV017793.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017793.D (-40) (-)



Time-->





#5

Vinyl chloride

Concen: 4.909 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion: 62 Resp: 53835

Ion Ratio Lower Upper

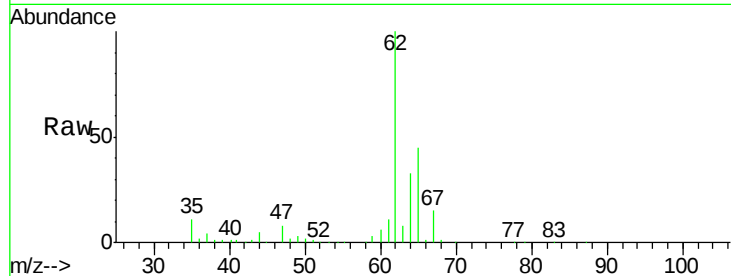
62 100

64 33.1 22.0 41.0

Manual Integrations  
APPROVED

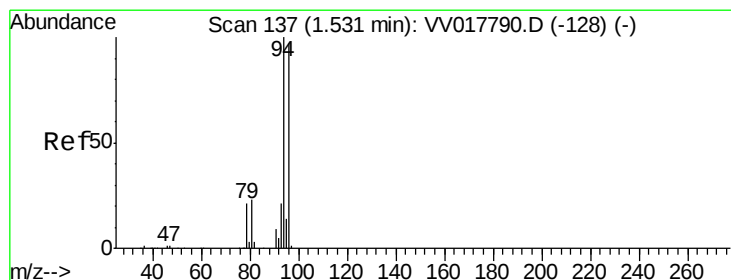
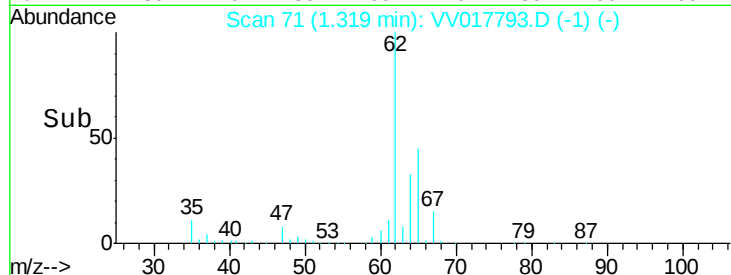
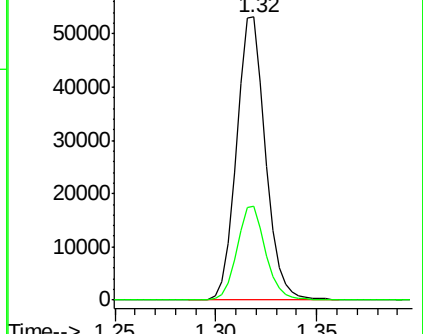
sam

8/7/2020 7:19:59 PM



Abundance Ion 62.00 (61.70 to 62.70): VV017790.D (-60) (-)

Ion 64.10 (63.80 to 64.80): VV017793.D (-44) (-)



#6

Bromomethane

Concen: 5.740 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017793.D

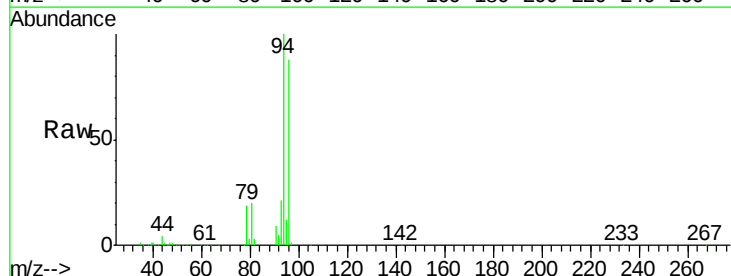
Acq: 03 Aug 2020 13:38

Tgt Ion: 94 Resp: 37620

Ion Ratio Lower Upper

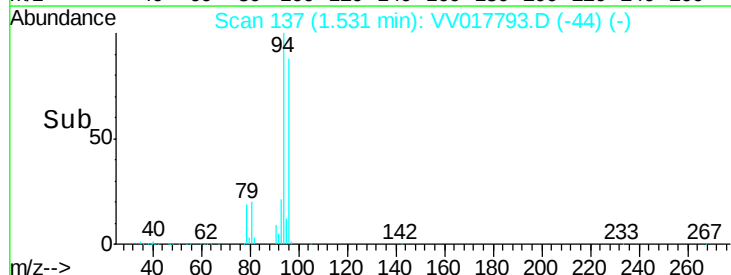
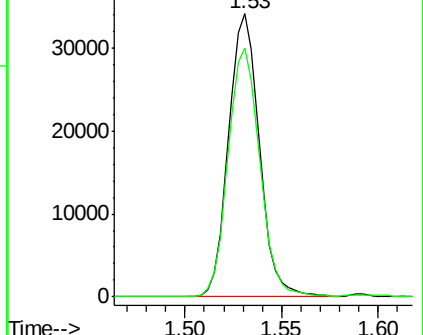
94 100

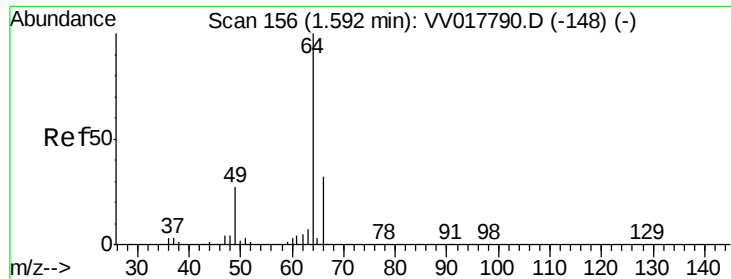
96 87.7 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV017790.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017793.D (-44) (-)





#8

Chloroethane

Concen: 5.527 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion: 64 Resp: 32938

Ion Ratio Lower Upper

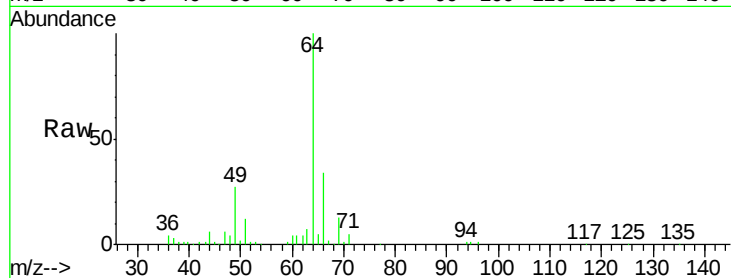
64 100

66 33.7 21.7 40.3

Manual Integrations  
APPROVED

sam

8/7/2020 7:19:59 PM



Abundance Ion 64.10 (63.80 to 64.80): VV017793.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV017793.D (-148) (-)

1.59

30000

25000

20000

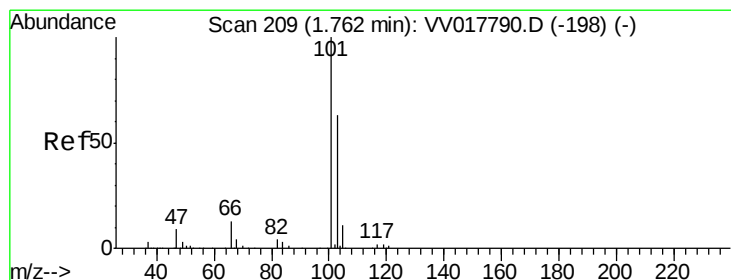
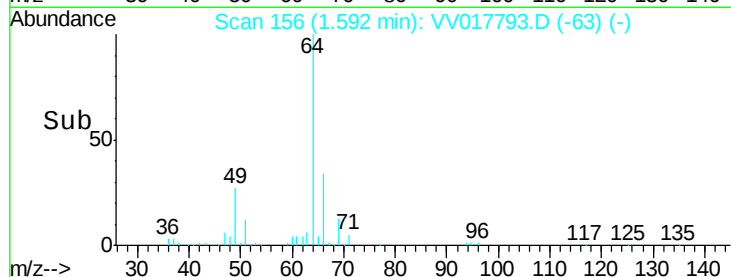
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.800 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017793.D

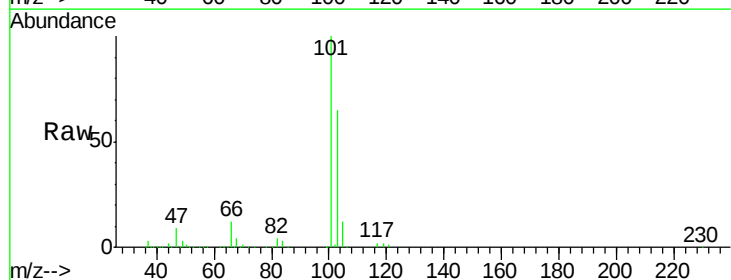
Acq: 03 Aug 2020 13:38

Tgt Ion: 101 Resp: 108788

Ion Ratio Lower Upper

101 100

103 64.3 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV017793.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017793.D (-198) (-)

1.76

80000

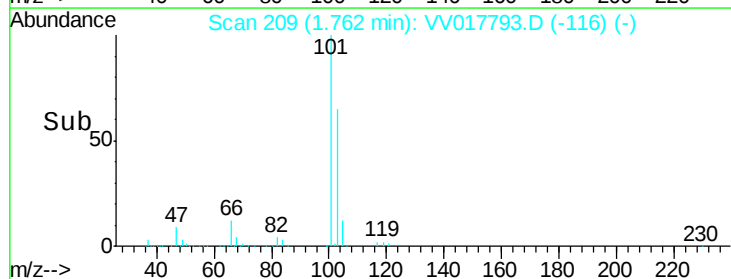
60000

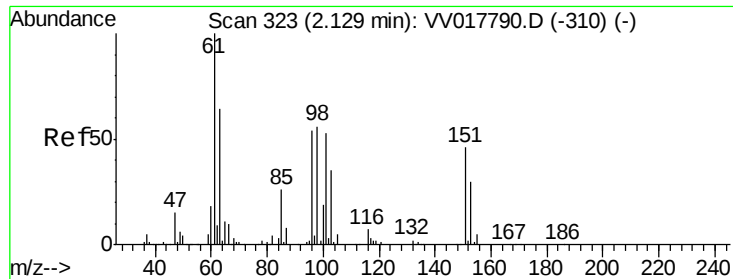
40000

20000

0

Time-->





#10

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

Concen: 5.859 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

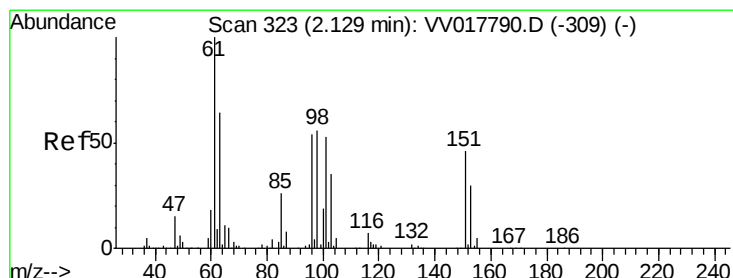
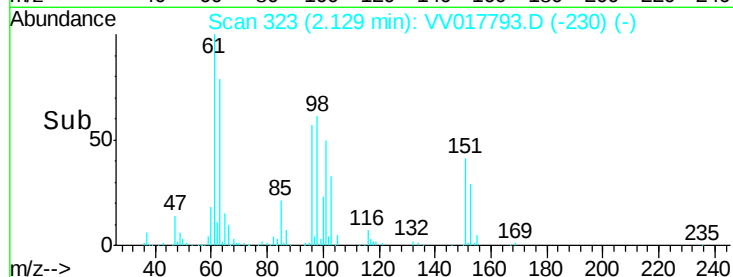
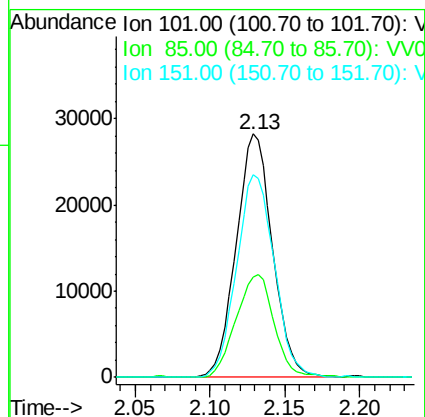
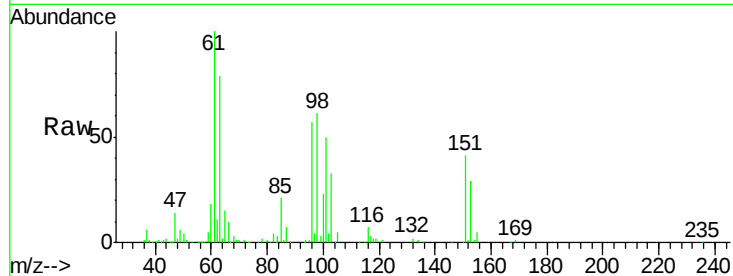
ClientSampleId :

A5169MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 47744 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.4  | 37.8  | 56.8  |
| 151       | 86.4  | 71.4  | 107.2 |

Manual Integrations  
APPROVED

sam  
8/7/2020 7:19:59 PM



#12

1,1-Dichloroethene

Concen: 6.278 ug/L

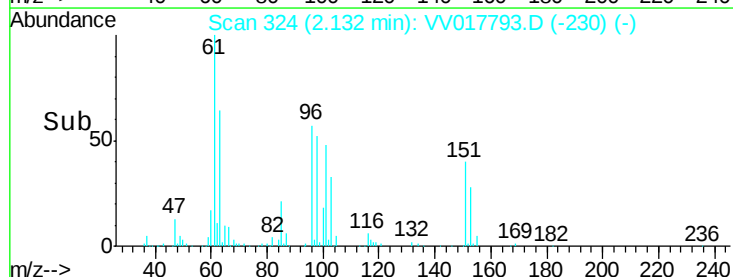
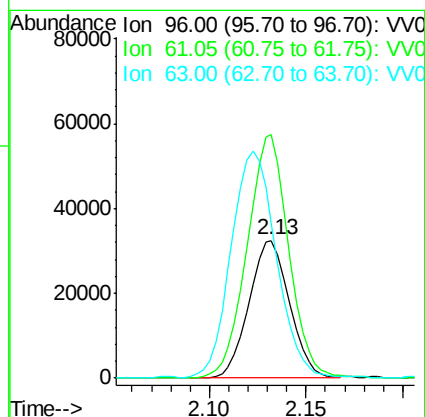
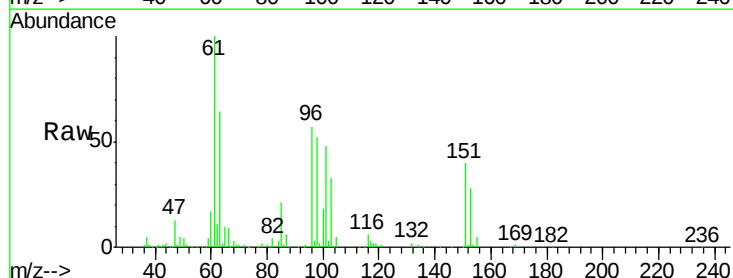
RT: 2.13 min Scan# 324

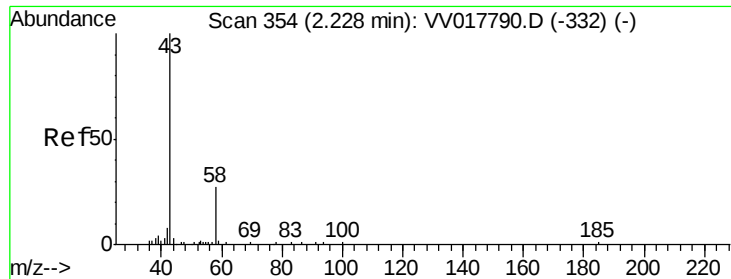
Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 47383 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 176.8 | 127.8 | 237.4 |
| 63        | 112.4 | 92.7  | 172.3 |





#13

Acetone

Concen: 63.216 ug/L m

RT: 2.24 min Scan# 359

Delta R.T. 0.02 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampled :

A5169MSD

Tot Ion: 43 Resp: 73470

Ion Ratio Lower Upper

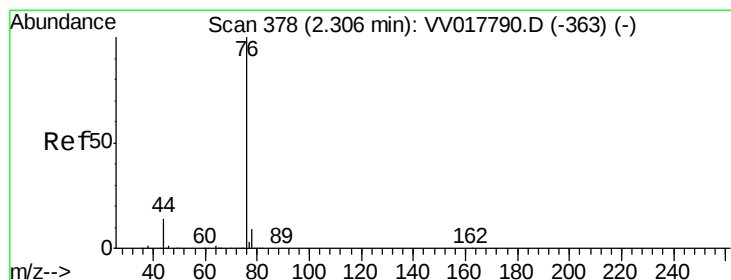
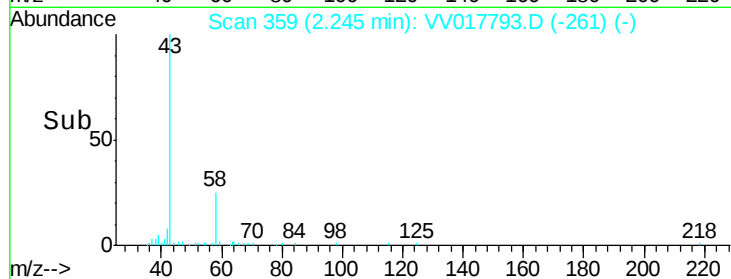
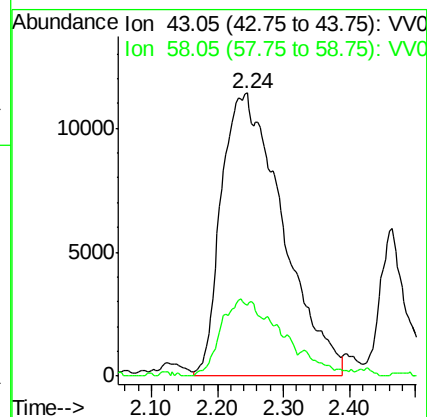
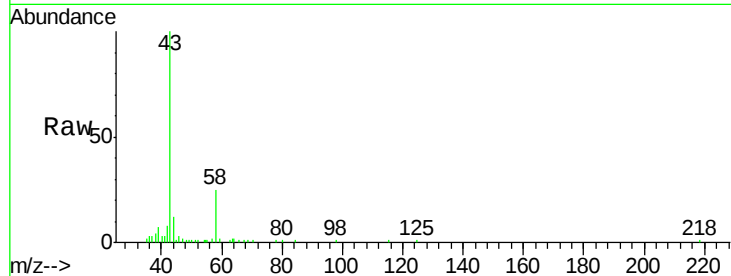
43 100

58 11.4 0.0 51.6

Manual Integrations  
APPROVED

sam

8/7/2020 7:19:59 PM



#14

Carbon disulfide

Concen: 6.199 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017793.D

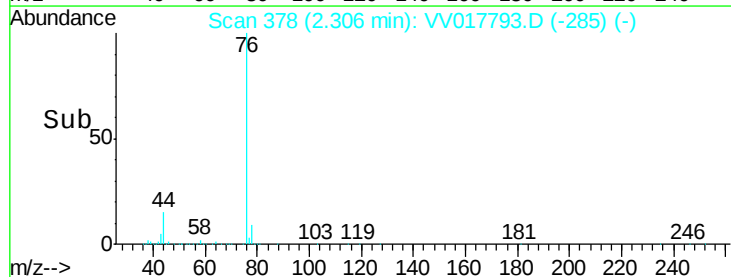
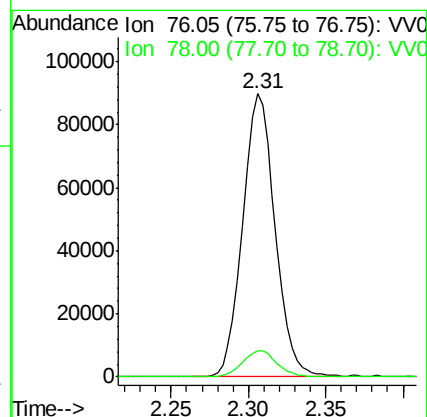
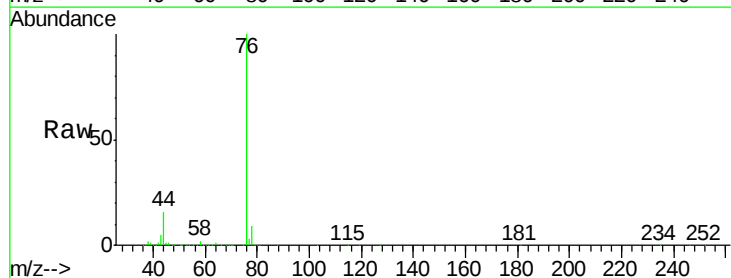
Acq: 03 Aug 2020 13:38

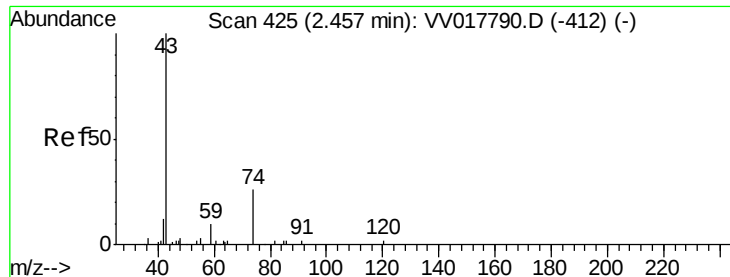
Tgt Ion: 76 Resp: 130650

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methvl Acetate

Concen: 6.174 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion: 43 Resp: 14746

Ion Ratio Lower Upper

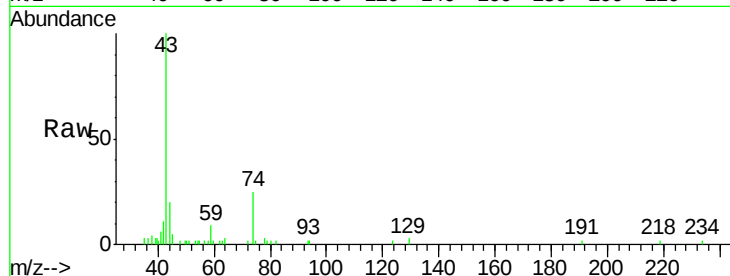
43 100

74 28.4 24.4 36.6

Manual Integrations  
APPROVED

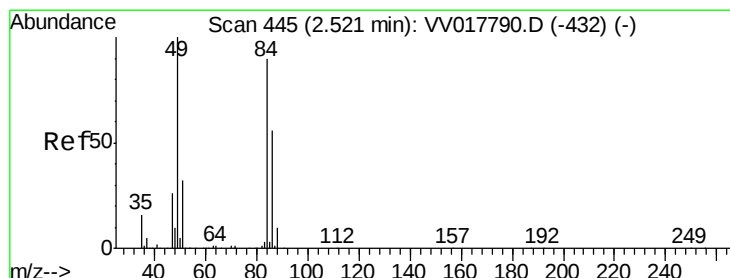
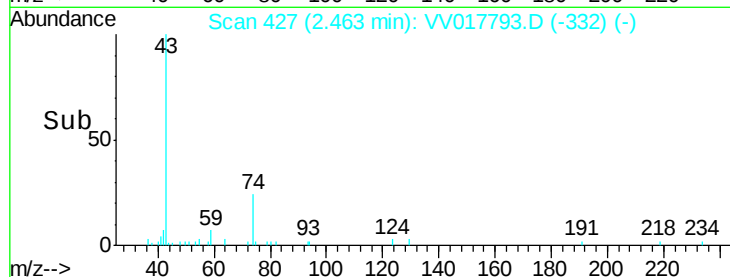
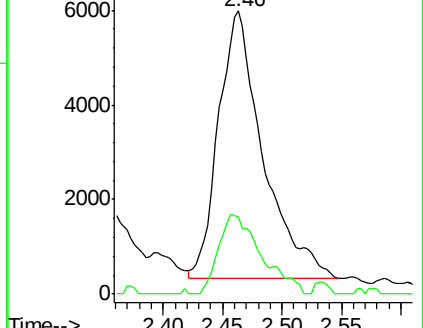
sam

8/7/2020 7:19:59 PM



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 7.965 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

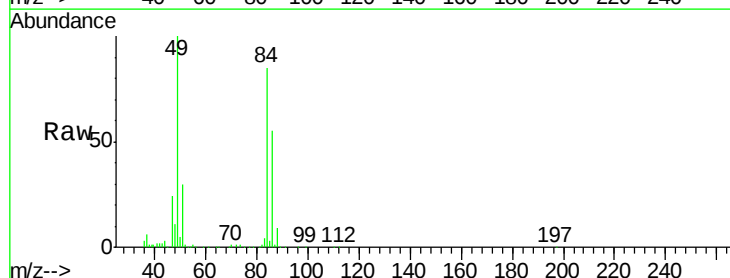
Tgt Ion: 84 Resp: 61652

Ion Ratio Lower Upper

84 100

86 64.4 44.9 83.3

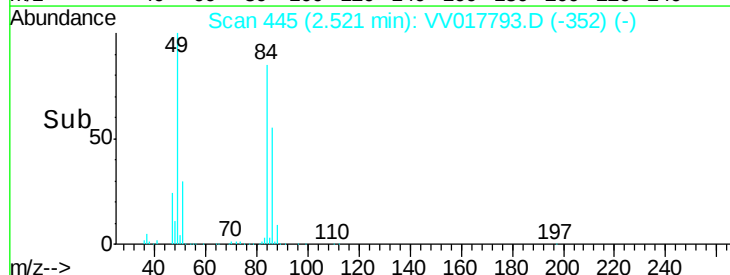
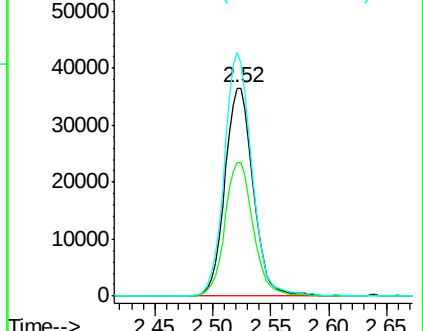
49 117.1 78.6 146.0

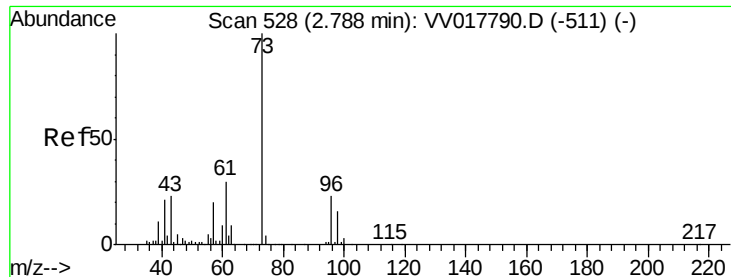


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





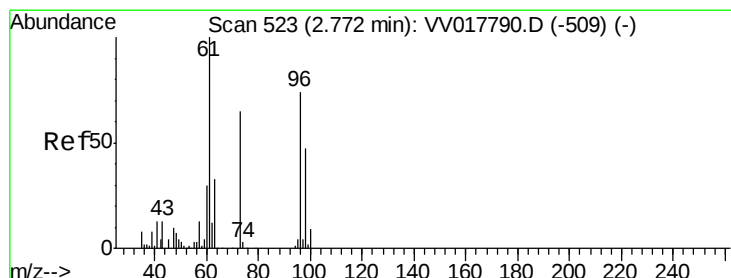
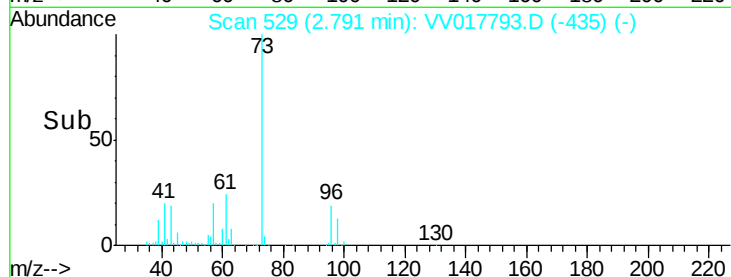
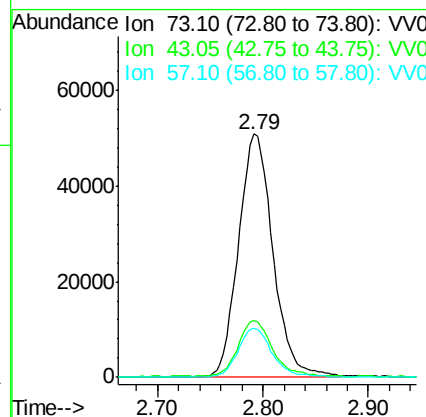
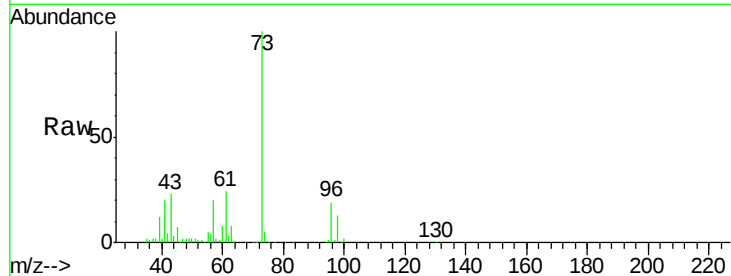
#17  
Methvl tert-butvl Ether  
Concen: 4.877 ug/L  
RT: 2.79 min Scan# 529  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 23.1  | 17.6  | 26.4  |
| 57      | 20.1  | 17.0  | 25.6  |

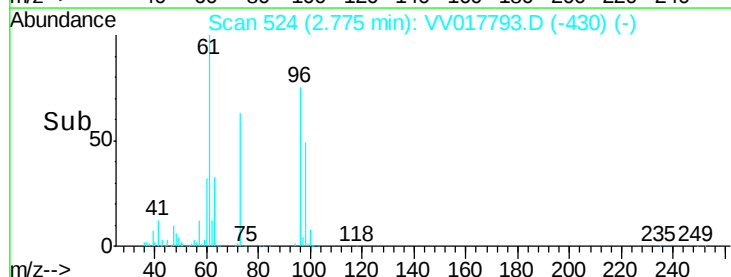
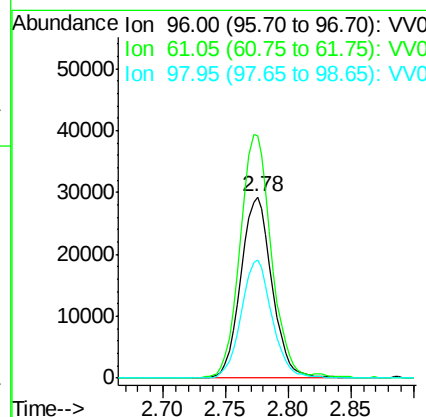
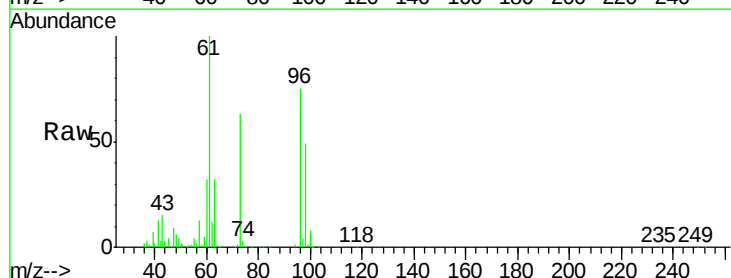
Manual Integrations  
APPROVED

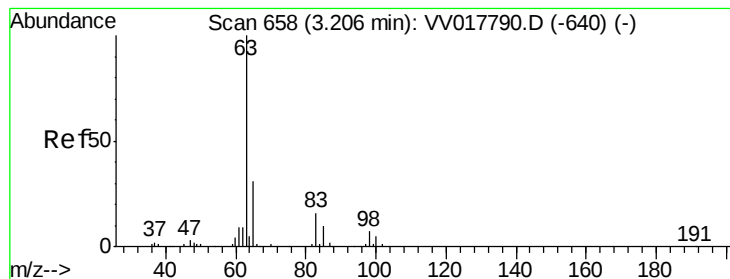
sam  
8/7/2020 7:19:59 PM



#18  
trans-1,2-Dichloroethene  
Concen: 4.662 ug/L  
RT: 2.78 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 134.0 | 97.2  | 180.6 |
| 98      | 65.3  | 45.0  | 83.6  |





#19

1,1-Dichloroethane

Concen: 4.676 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

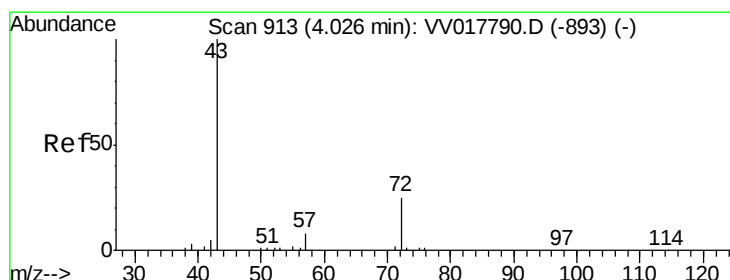
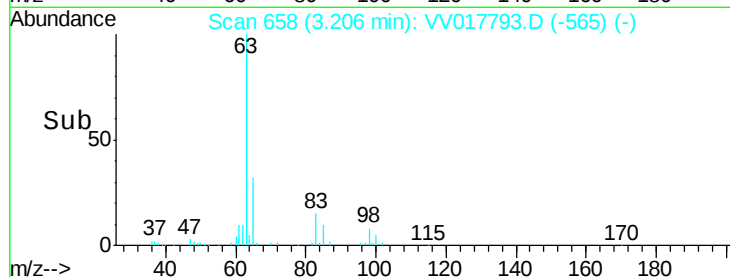
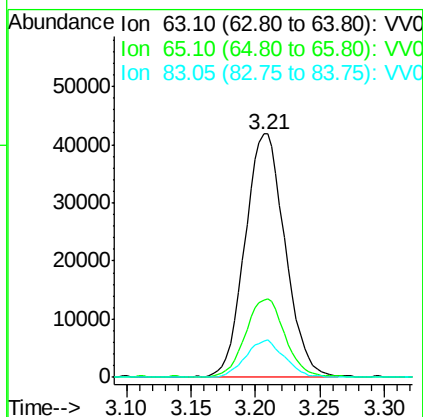
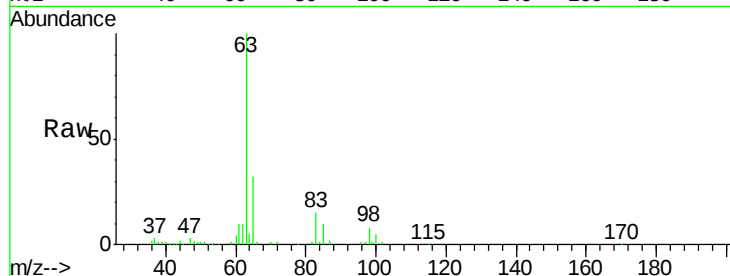
ClientSampled :

A5169MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 90948 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.6  | 23.0  | 42.6  |
| 83       | 15.1  | 9.7   | 17.9  |

Manual Integrations  
APPROVED

sam  
8/7/2020 7:19:59 PM



#21

2-Butanone

Concen: 43.841 ug/L

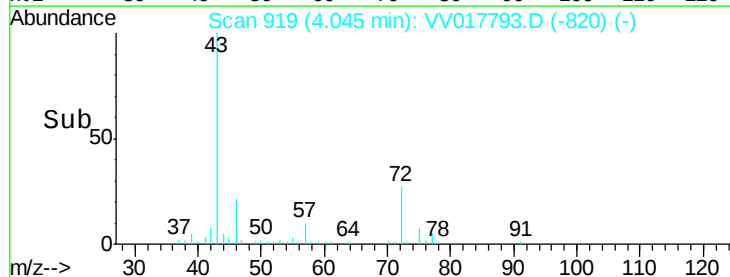
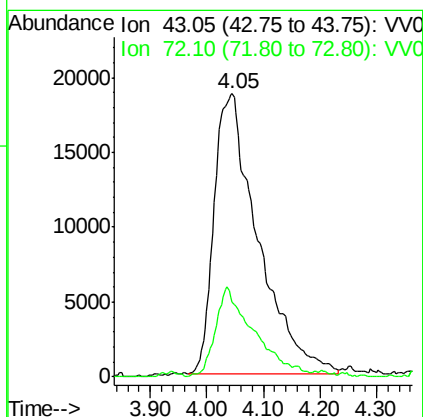
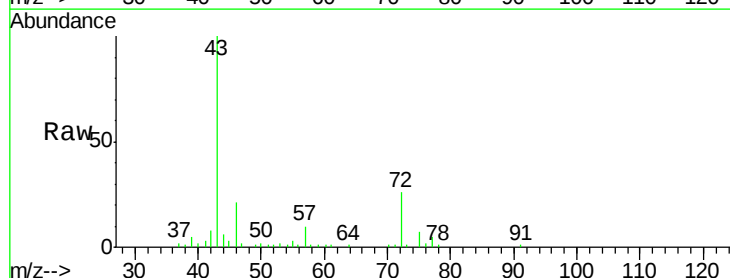
RT: 4.05 min Scan# 919

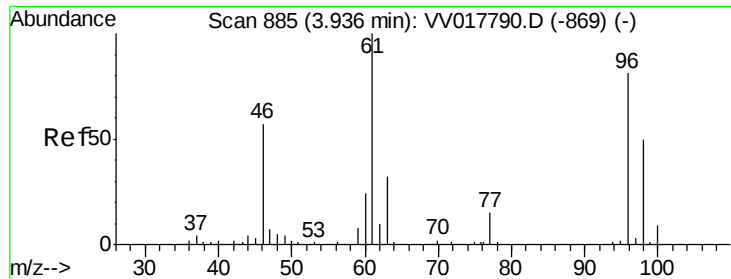
Delta R.T. 0.02 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 100534 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 27.5  | 13.4  | 40.2   |





#22

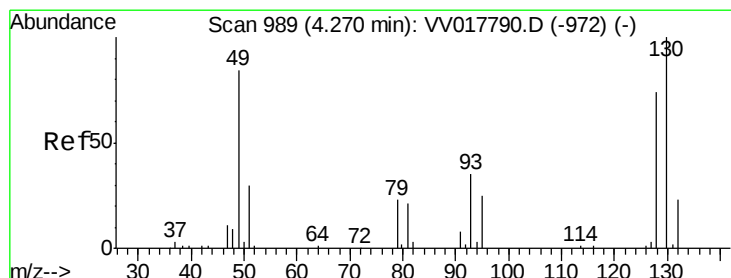
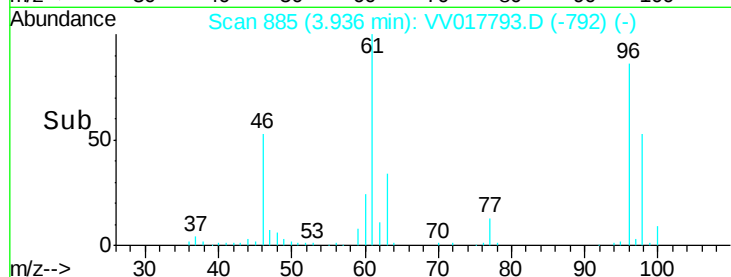
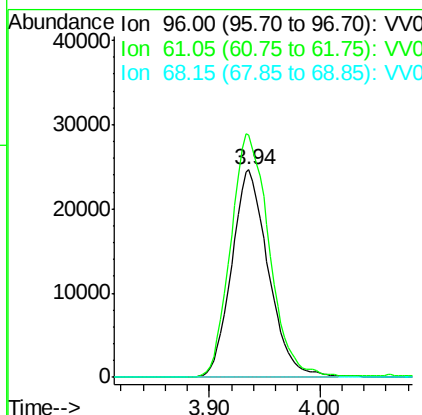
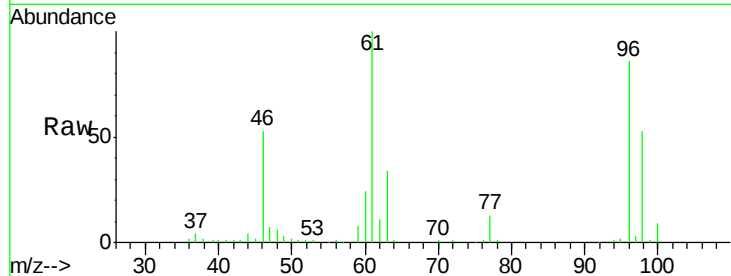
cis-1,2-Dichloroethene  
Concen: 4.912 ug/L  
RT: 3.94 min Scan# 885  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 116.5 | 90.0  | 167.2 |
| 68      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

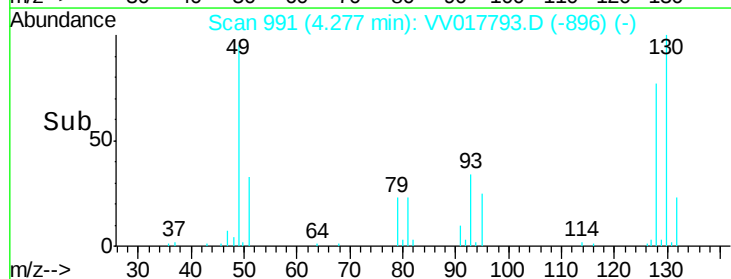
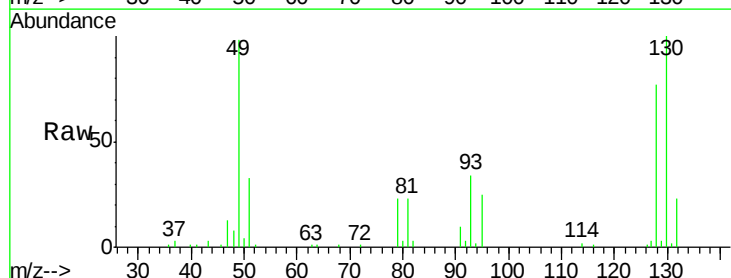
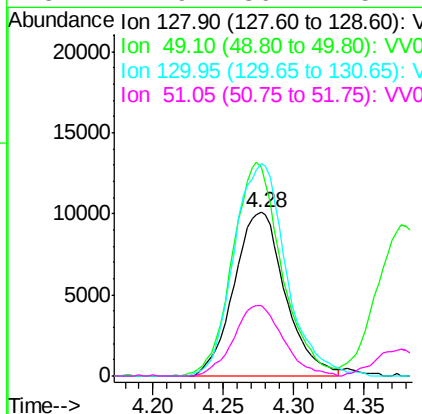
sam  
8/7/2020 7:19:59 PM

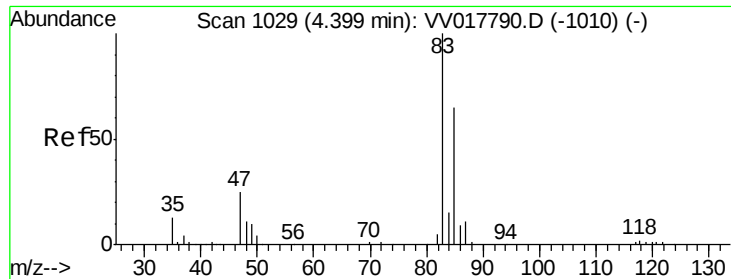


#23

Bromochloromethane  
Concen: 5.053 ug/L  
RT: 4.28 min Scan# 991  
Delta R.T. 0.01 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 127.5 | 105.1 | 195.1 |
| 130     | 130.0 | 88.9  | 165.1 |
| 51      | 42.9  | 36.2  | 54.2  |





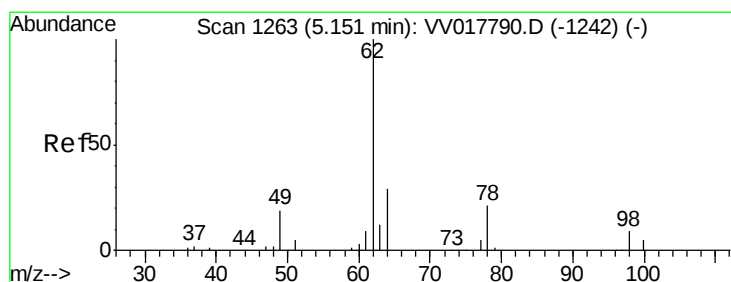
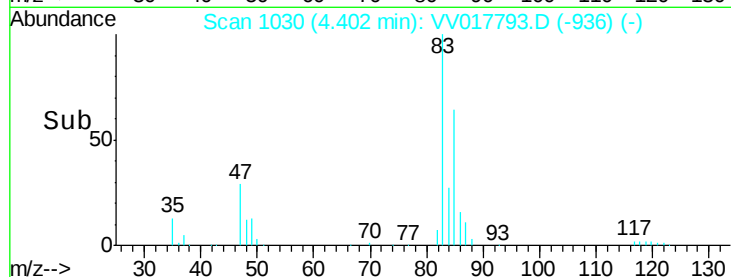
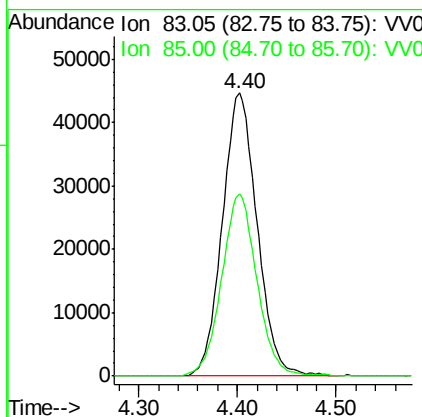
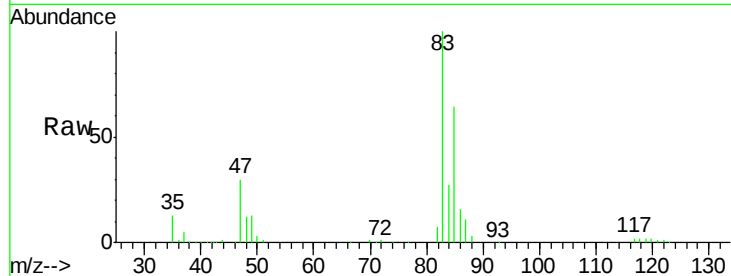
#25  
Chloroform  
Concen: 4.498 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

| Tot Ion   | 83   | Resp  | 109704 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.2 | 45.2  | 84.0   |

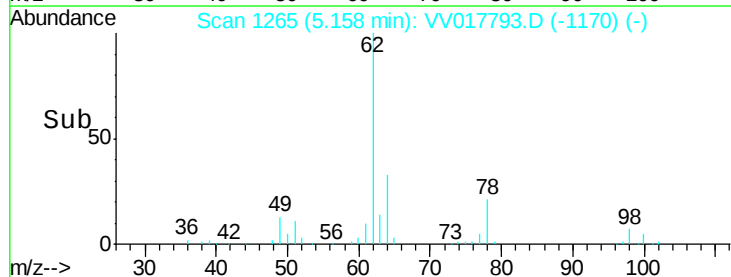
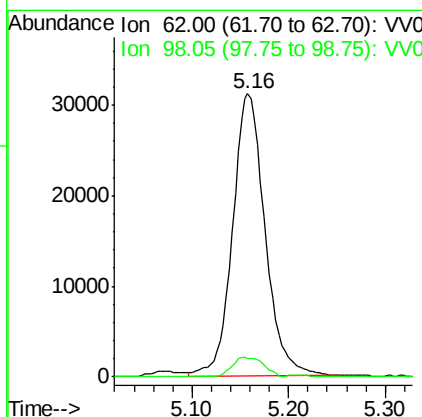
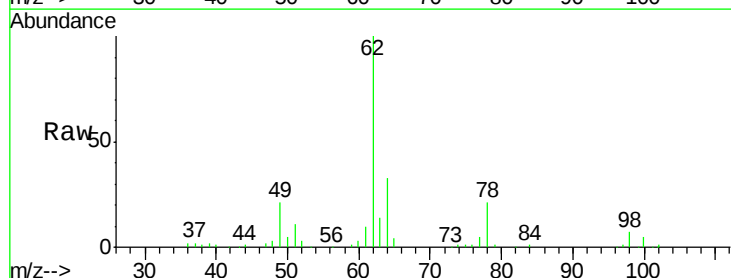
Manual Integrations  
APPROVED

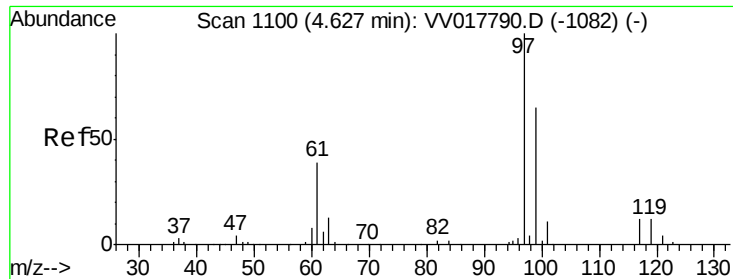
sam  
8/7/2020 7:19:59 PM



#27  
1,2-Dichloroethane  
Concen: 5.409 ug/L  
RT: 5.16 min Scan# 1265  
Delta R.T. 0.01 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

| Tgt Ion   | 62  | Resp  | 72802 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 62        | 100 |       |       |
| 98        | 6.7 | 7.0   | 10.6# |





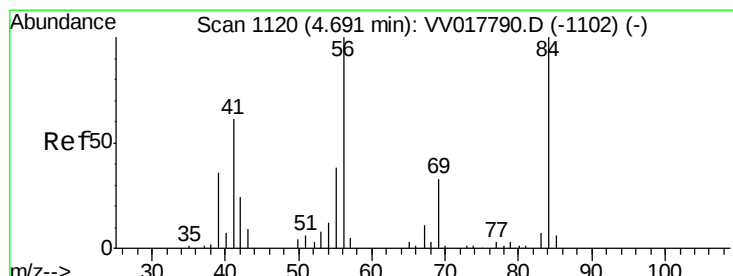
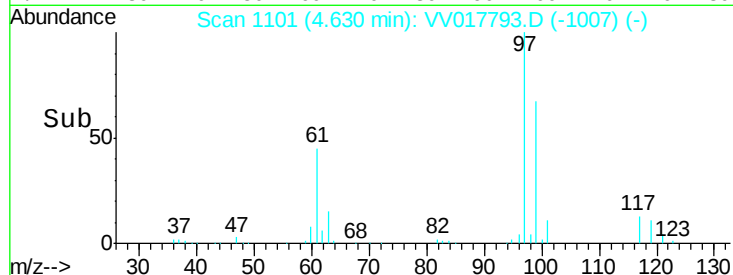
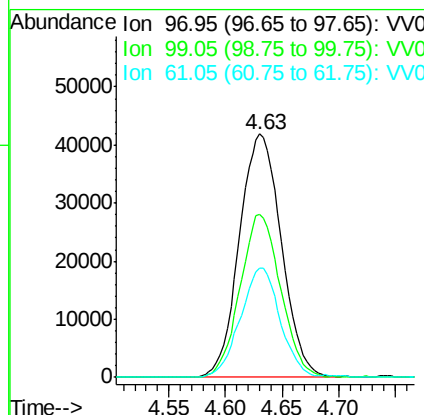
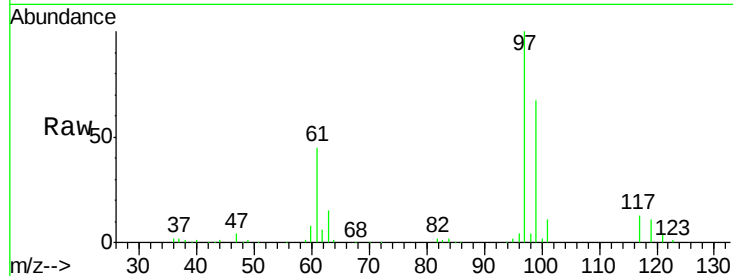
#29  
 1,1,1-Trichloroethane  
 Concen: 5.534 ug/L  
 RT: 4.63 min Scan# 1101  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 A5169MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 108129 |       |       |
| 99      | 64.5  |        | 51.8  | 77.8  |
| 61      | 42.6  |        | 34.5  | 51.7  |

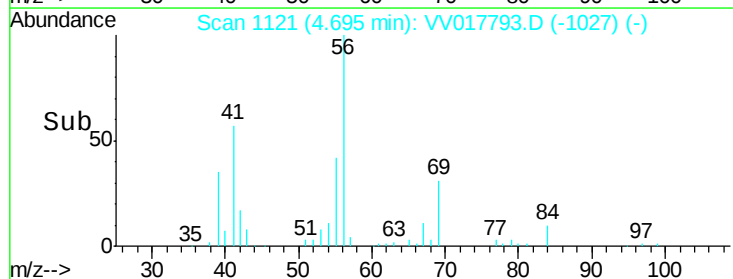
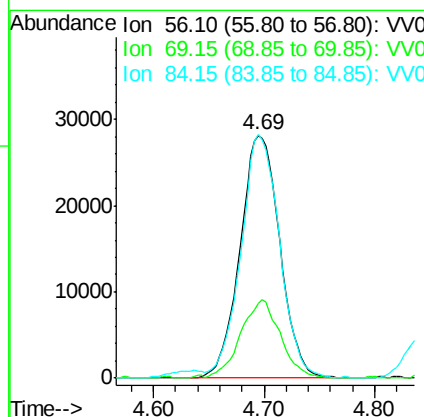
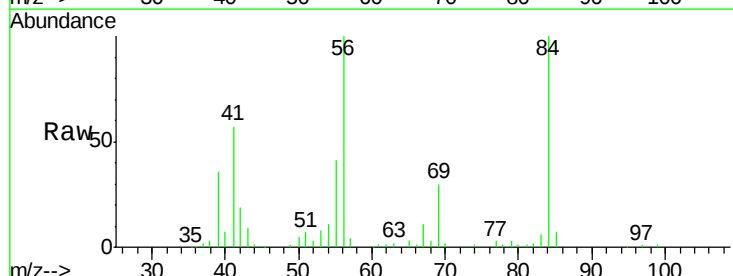
Manual Integrations  
 APPROVED

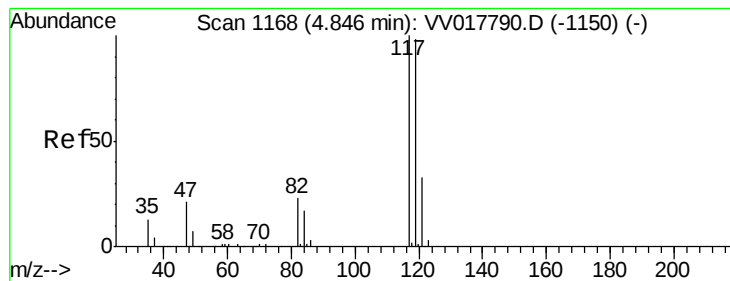
sam  
 8/7/2020 7:19:59 PM



#30  
 Cyclohexane  
 Concen: 4.197 ug/L  
 RT: 4.69 min Scan# 1121  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 56      | 100   | 70149 |       |       |
| 69      | 32.2  |       | 24.8  | 37.2  |
| 84      | 97.8  |       | 75.4  | 113.2 |





#31

Carbon tetrachloride

Concen: 5.740 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion:117 Resp: 100927

Ion Ratio Lower Upper

117 100

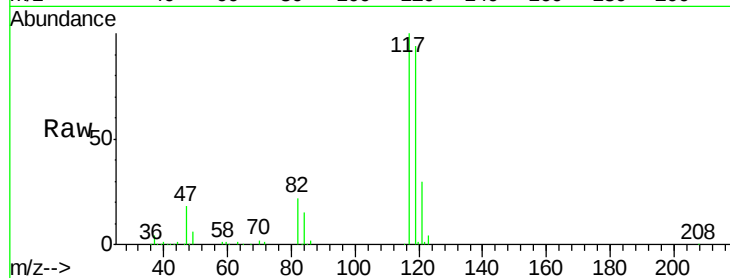
119 94.5 77.7 116.5

Manual Integrations

APPROVED

sam

8/7/2020 7:19:59 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

4.85

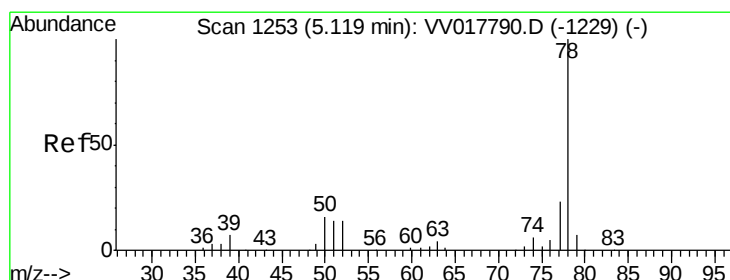
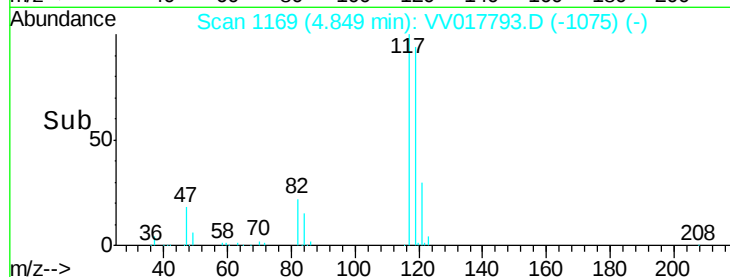
4.85

4.85

4.85

4.85

4.85



#33

Benzene

Concen: 4.707 ug/L

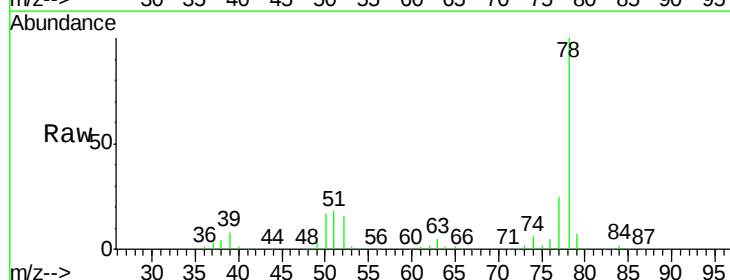
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Tgt Ion: 78 Resp: 202095



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

5.12

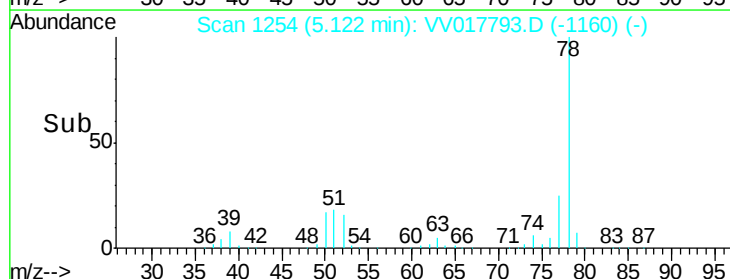
5.12

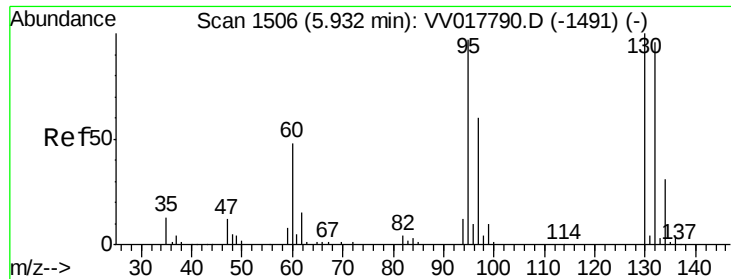
5.12

5.12

5.12

5.12





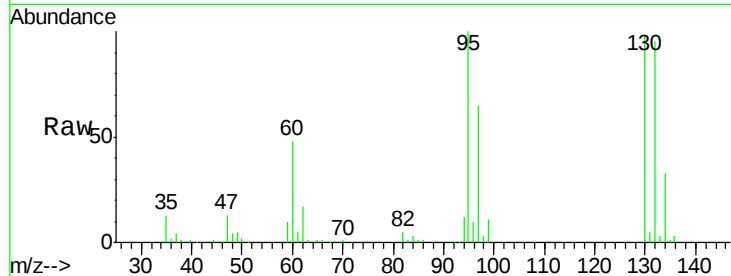
#34  
 Trichloroethene  
 Concen: 4.913 ug/L  
 RT: 5.94 min Scan# 1507  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

| Tot Ion | 95    | Resp  | 60164 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 95      | 100   |       |       |
| 97      | 64.6  | 42.8  | 79.6  |
| 132     | 95.2  | 70.8  | 131.6 |
| 130     | 98.2  | 72.3  | 134.3 |

Manual Integrations  
 APPROVED

sam  
 8/7/2020 7:19:59 PM

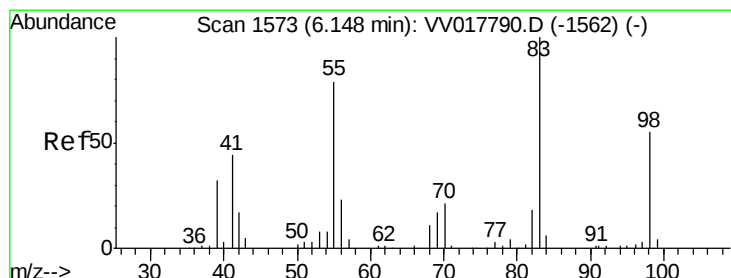
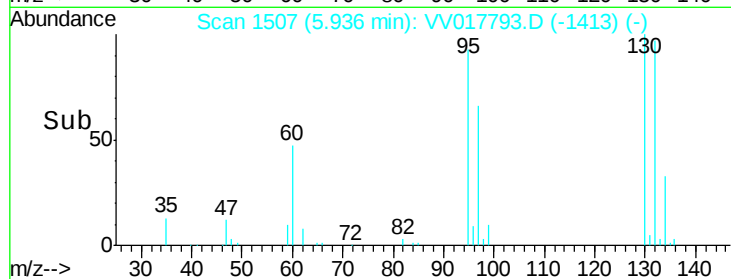
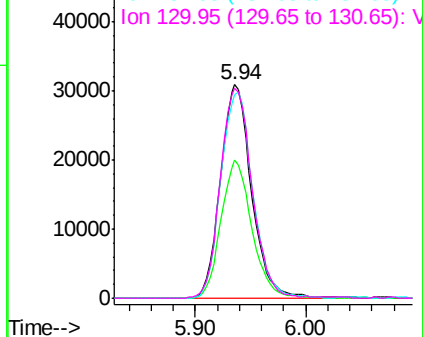


Abundance Ion 95.00 (94.70 to 95.70): VV017793.D (-1413) (-)

Ion 96.95 (96.65 to 97.65): VV017793.D (-1413) (-)

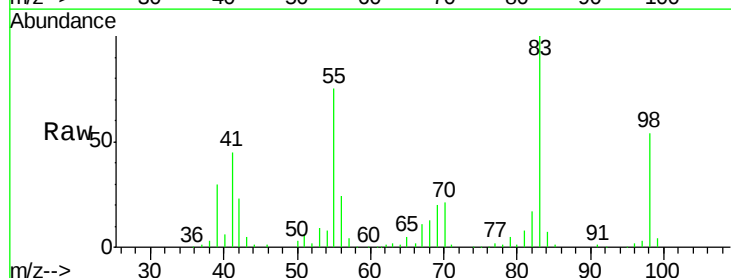
Ion 131.95 (131.65 to 132.65): VV017793.D (-1413) (-)

Ion 129.95 (129.65 to 130.65): VV017793.D (-1413) (-)



#35  
 Methylcyclohexane  
 Concen: 4.154 ug/L  
 RT: 6.15 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

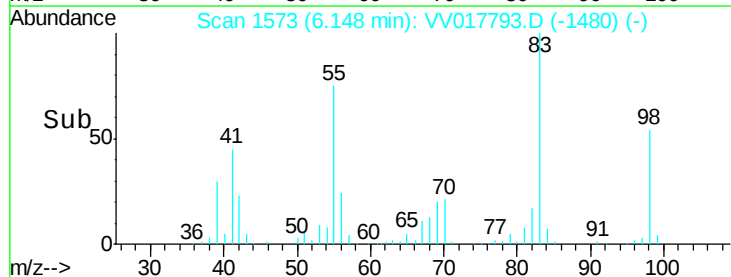
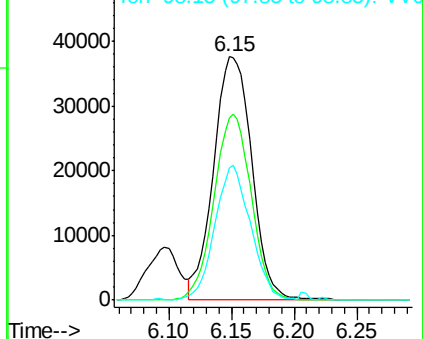
| Tgt Ion | 83    | Resp  | 79697 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 74.3  | 60.1  | 90.1  |
| 98      | 51.7  | 40.2  | 60.4  |

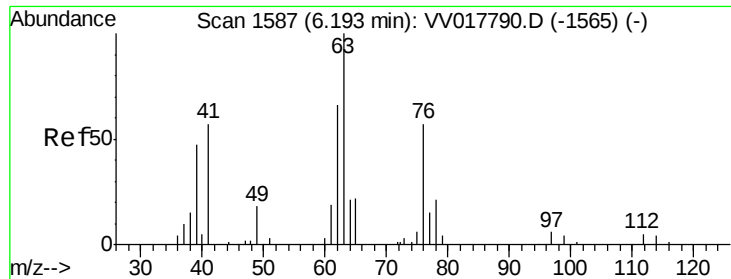


Abundance Ion 83.15 (82.85 to 83.85): VV017793.D (-1480) (-)

Ion 55.10 (54.80 to 55.80): VV017793.D (-1480) (-)

Ion 98.15 (97.85 to 98.85): VV017793.D (-1480) (-)





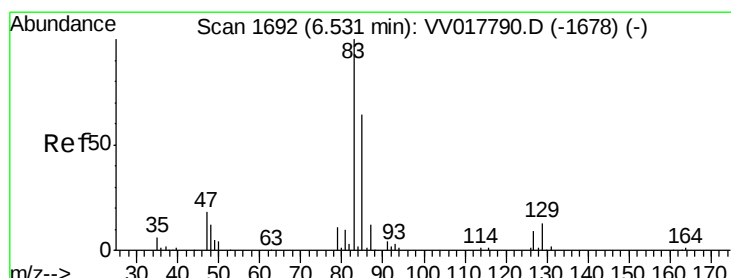
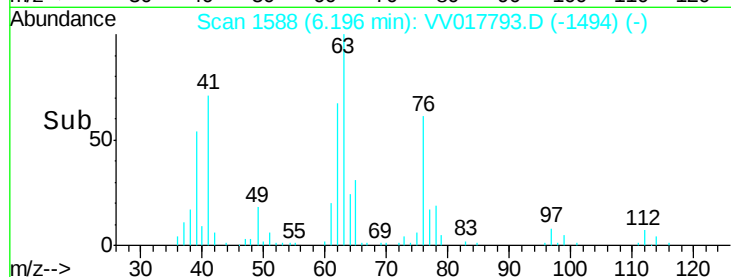
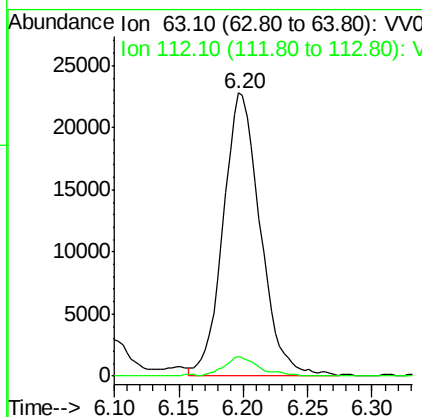
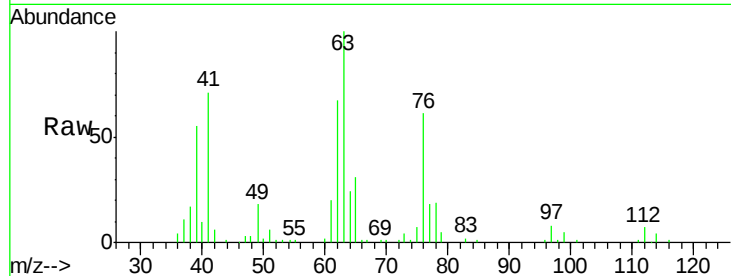
#37  
 1,2-Dichloropropane  
 Concen: 4.592 ug/L  
 RT: 6.20 min Scan# 1588  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 A5169MSD

Tot Ion: 63 Resp: 45620  
 Ion Ratio Lower Upper  
 63 100  
 112 6.5 3.8 5.6#

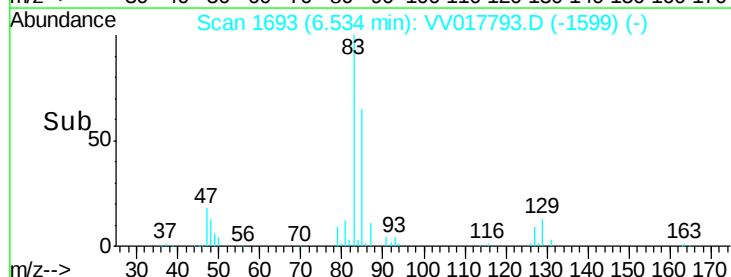
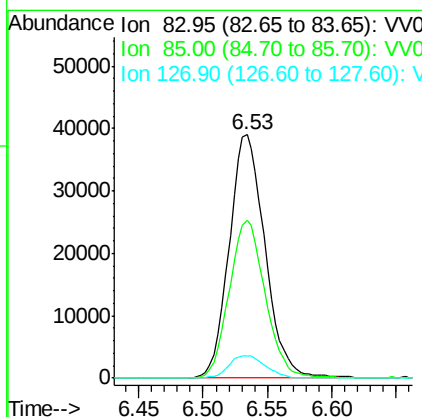
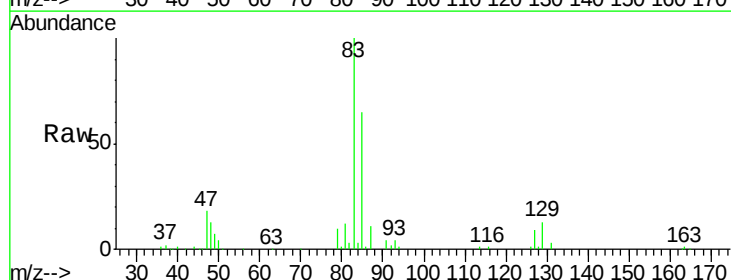
Manual Integrations  
 APPROVED

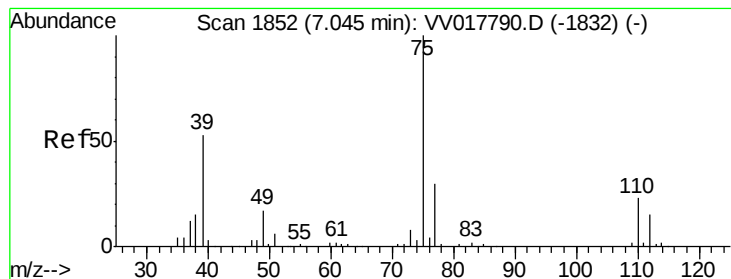
sam  
 8/7/2020 7:19:59 PM



#38  
 Bromodichloromethane  
 Concen: 5.362 ug/L  
 RT: 6.53 min Scan# 1693  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Tgt Ion: 83 Resp: 75213  
 Ion Ratio Lower Upper  
 83 100  
 85 65.0 43.9 81.5  
 127 9.1 6.9 10.3





#39

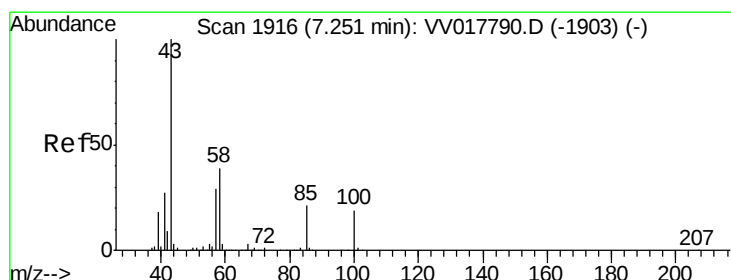
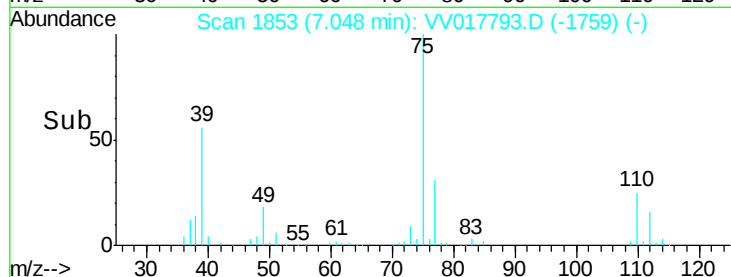
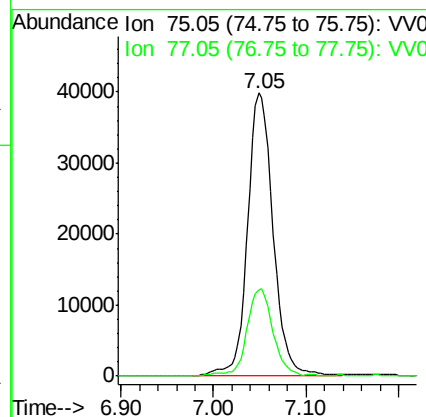
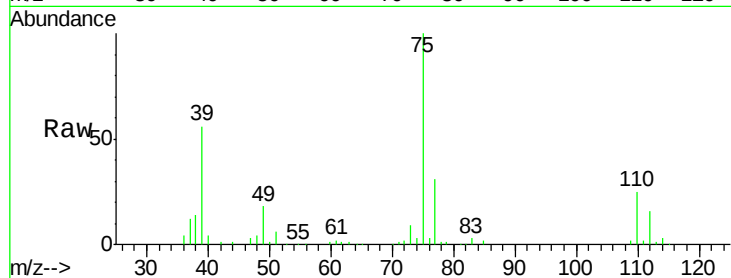
cis-1,3-Dichloropropene  
 Concen: 4.922 ug/L  
 RT: 7.05 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 22.4  | 41.6  |

Manual Integrations  
 APPROVED

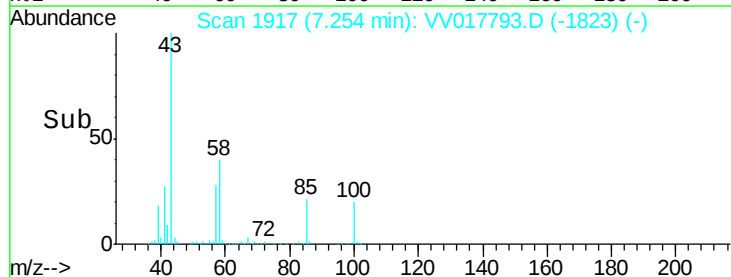
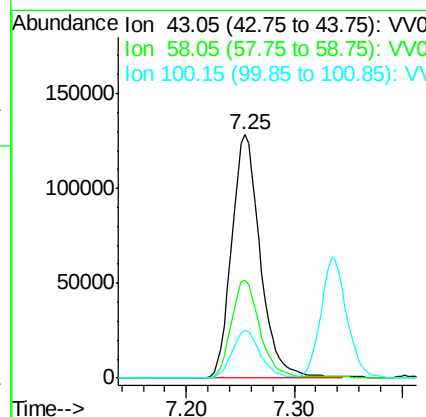
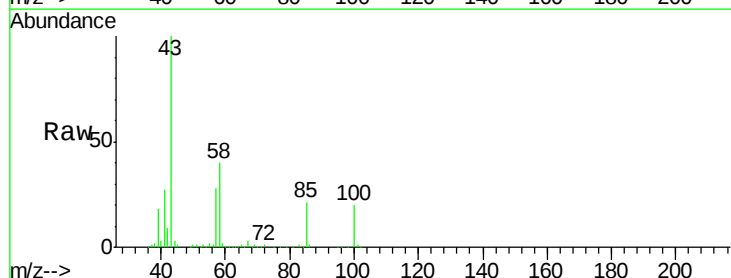
sam  
 8/7/2020 7:19:59 PM

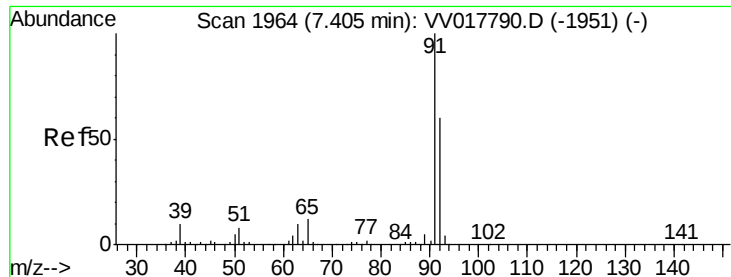


#40

4-Methyl-2-pentanone  
 Concen: 42.392 ug/L  
 RT: 7.25 min Scan# 1917  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.0  | 31.9  | 47.9  |
| 100     | 19.4  | 14.0  | 21.0  |





#42

Toluene

Concen: 4.850 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion: 91 Resp: 231550

Ion Ratio Lower Upper

91 100

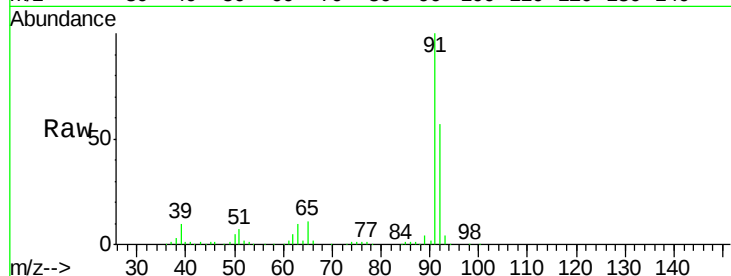
92 57.3 41.3 76.7

Manual Integrations

APPROVED

sam

8/7/2020 7:19:59 PM



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

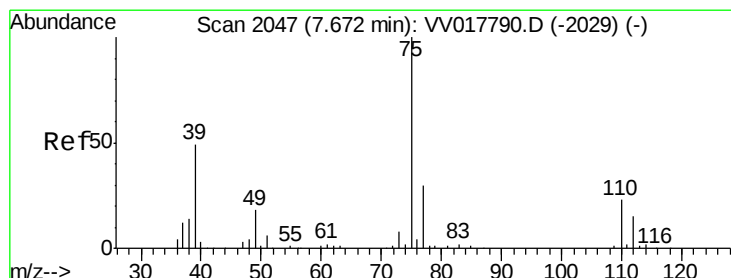
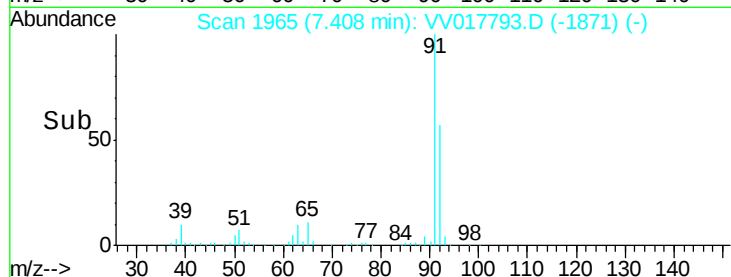
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.392 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017793.D

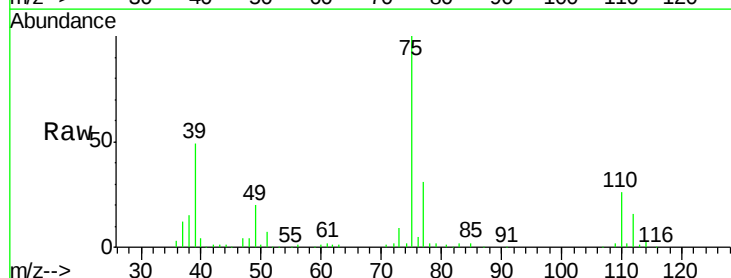
Acq: 03 Aug 2020 13:38

Tgt Ion: 75 Resp: 67908

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

40000

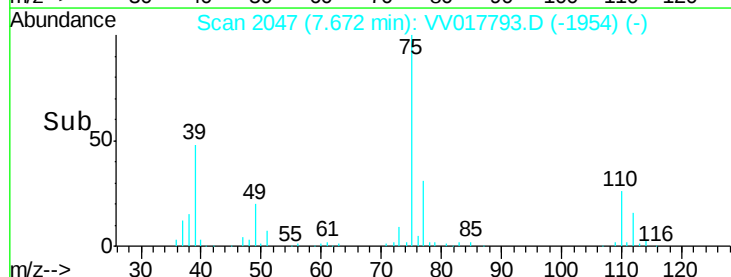
30000

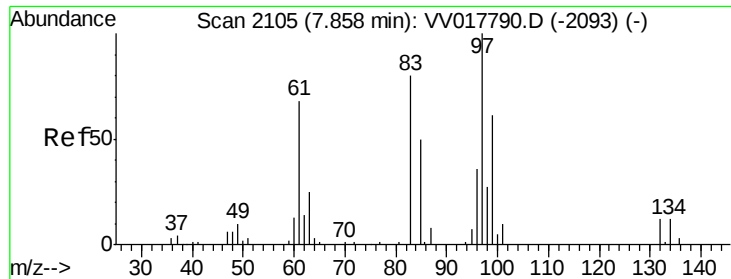
20000

10000

0

Time--> 7.60 7.70 7.80





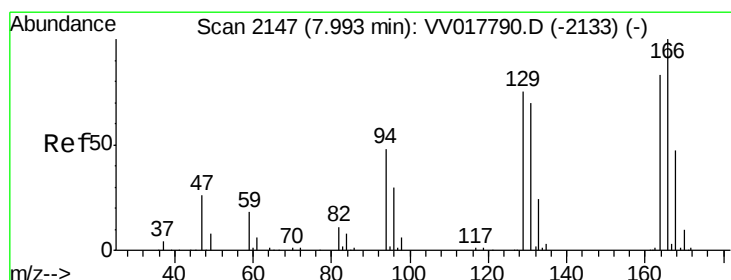
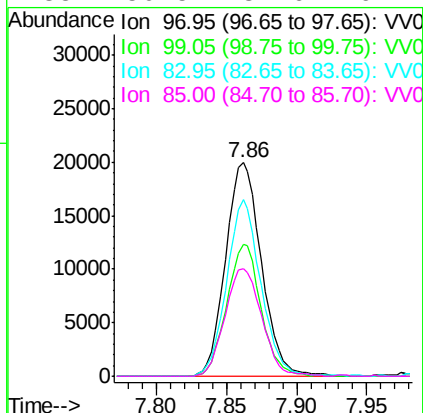
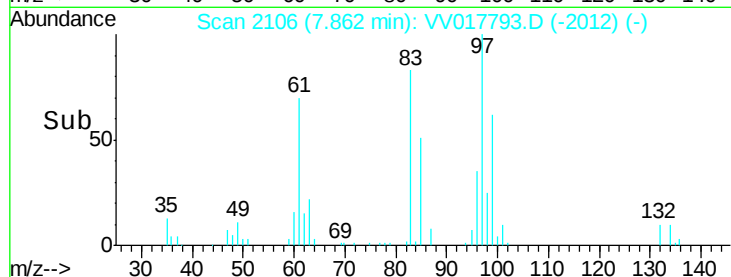
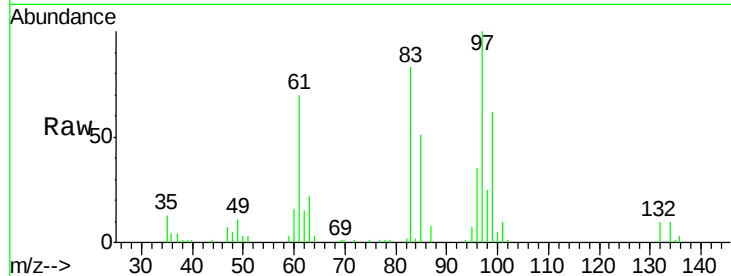
#45  
1,1,2-Trichloroethane  
Concen: 4.676 ug/L  
RT: 7.86 min Scan# 2106  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 35427 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.6  | 42.0  | 78.0  |
| 83       | 82.5  | 57.6  | 107.0 |
| 85       | 50.5  | 34.6  | 64.2  |

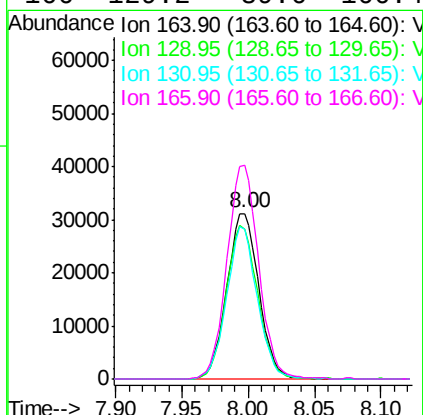
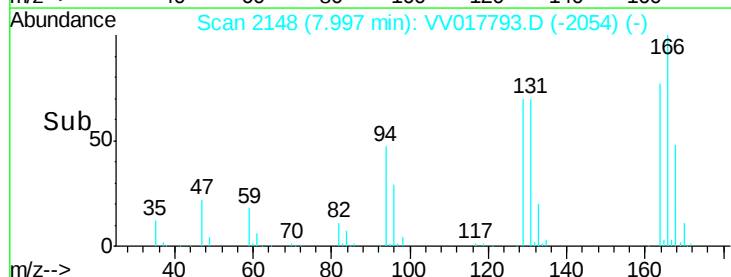
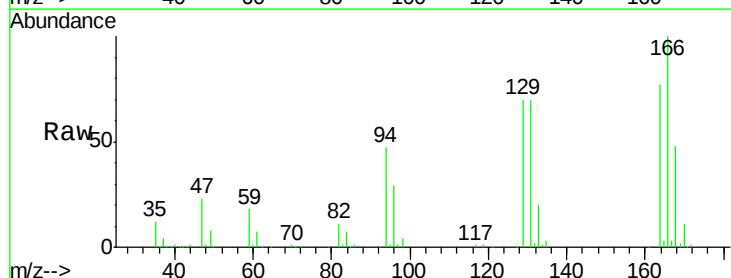
Manual Integrations  
APPROVED

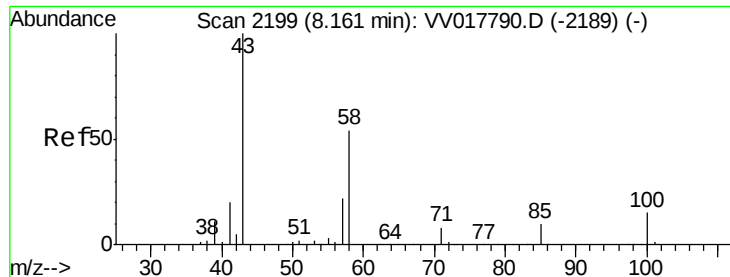
sam  
8/7/2020 7:19:59 PM



#47  
Tetrachloroethene  
Concen: 4.888 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 52301 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.9  | 61.9  | 114.9 |
| 131      | 90.9  | 59.4  | 110.4 |
| 166      | 129.2 | 89.6  | 166.4 |





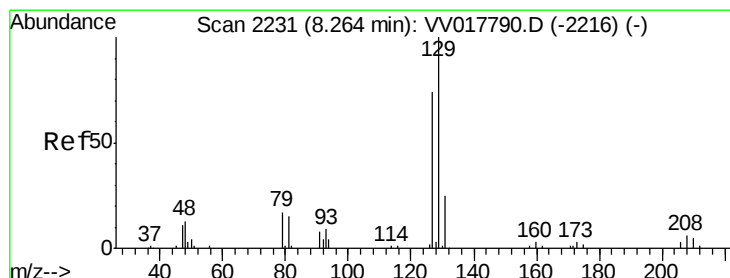
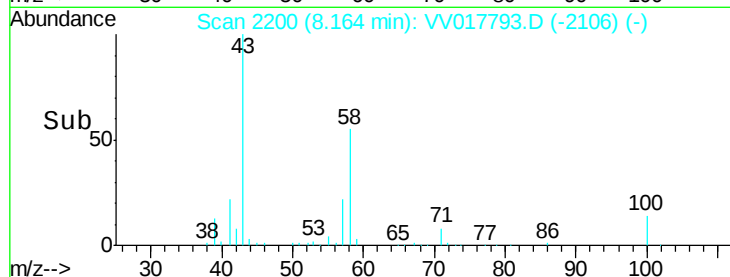
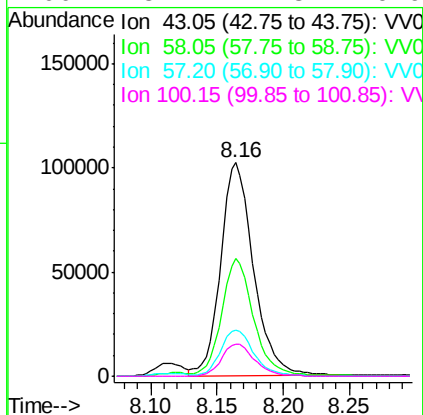
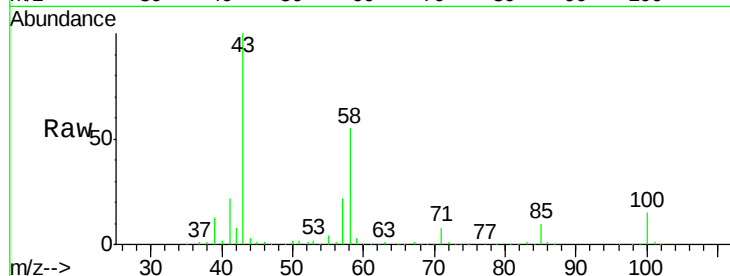
#48  
2-Hexanone  
Concen: 44.516 ug/L  
RT: 8.16 min Scan# 2200  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 176292 |       |       |
| 58      | 53.1 | 44.1  | 66.1   |       |       |
| 57      | 21.6 | 16.1  | 24.1   |       |       |
| 100     | 15.2 | 11.3  | 16.9   |       |       |

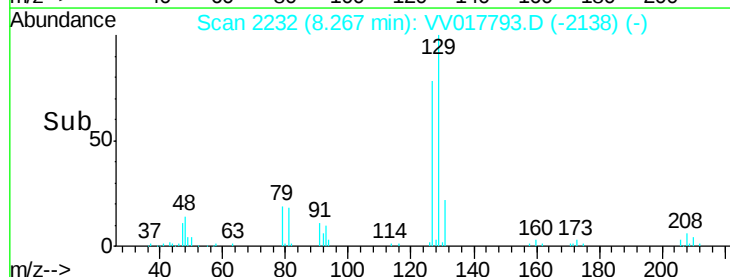
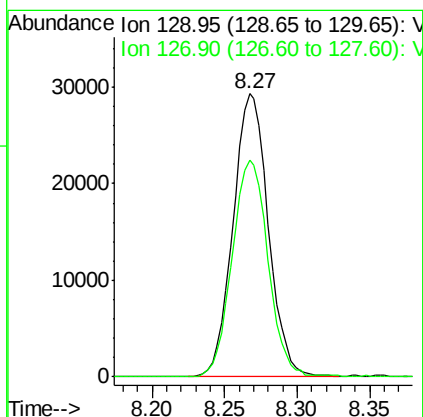
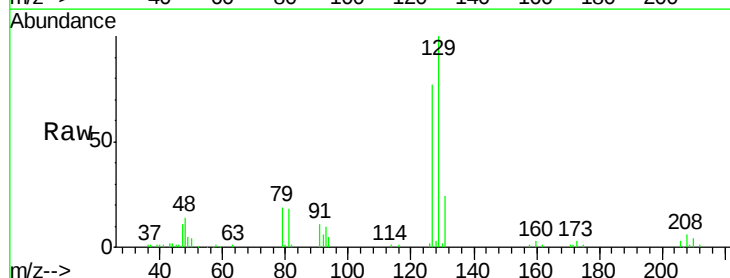
Manual Integrations  
APPROVED

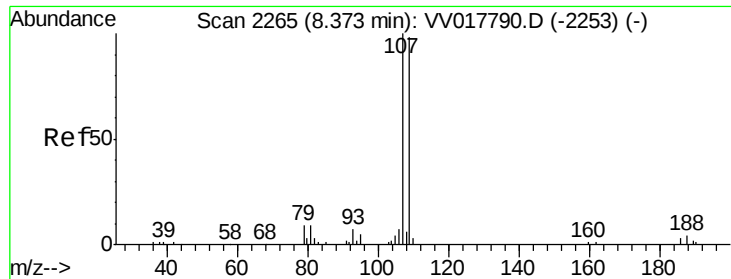
sam  
8/7/2020 7:19:59 PM



#49  
Dibromochloromethane  
Concen: 5.330 ug/L  
RT: 8.27 min Scan# 2232  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 129     | 100  |       | 49509 |       |       |
| 127     | 76.7 | 55.4  | 102.8 |       |       |





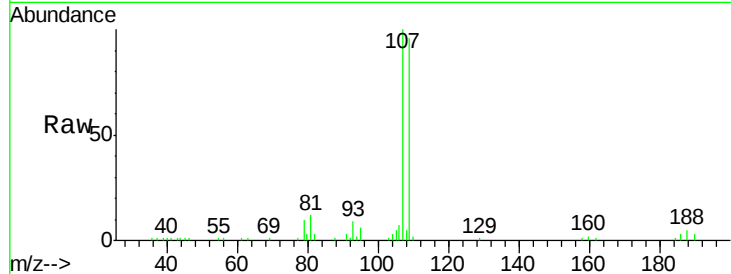
#50  
1,2-Dibromoethane  
Concen: 4.538 ug/L  
RT: 8.38 min Scan# 2266  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

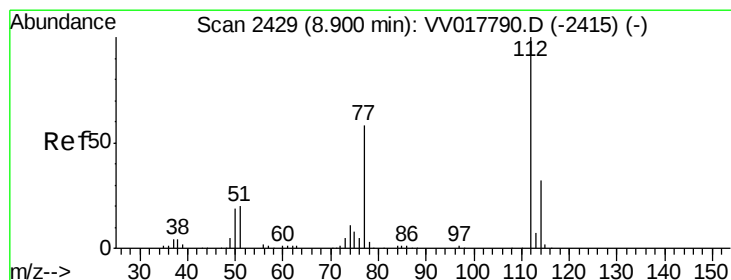
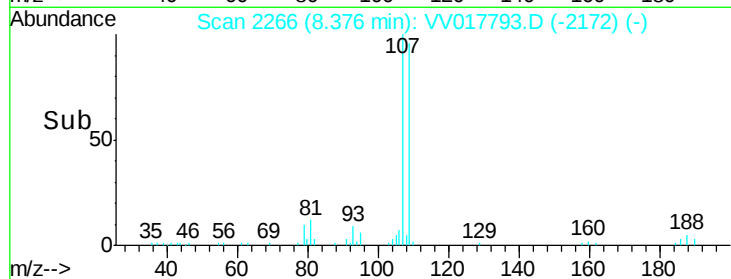
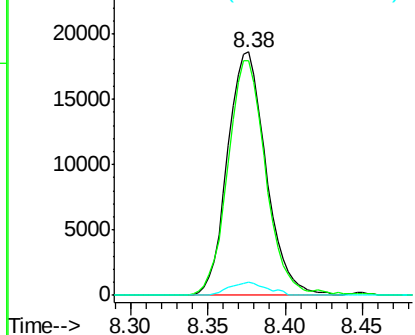
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.2  | 66.3  | 123.1 |
| 188     | 5.2   | 3.4   | 5.0#  |

Manual Integrations  
APPROVED

sam  
8/7/2020 7:19:59 PM

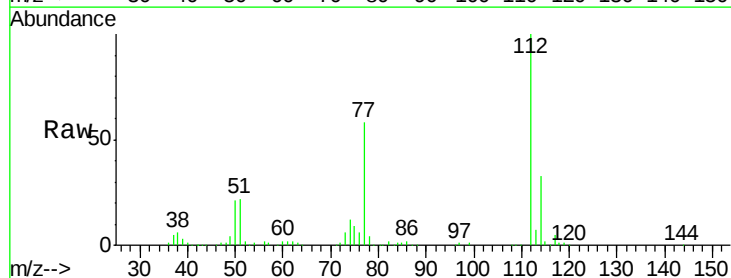


Abundance Ion 106.95 (106.65 to 107.65): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 187.90 (187.60 to 188.60): V

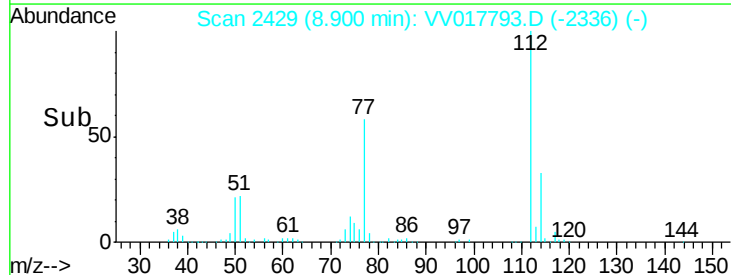
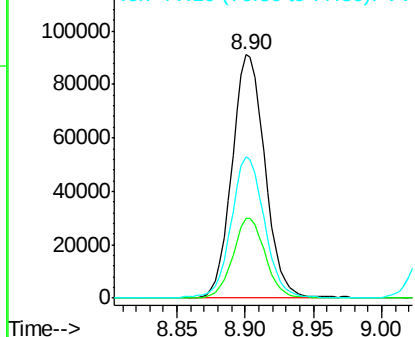


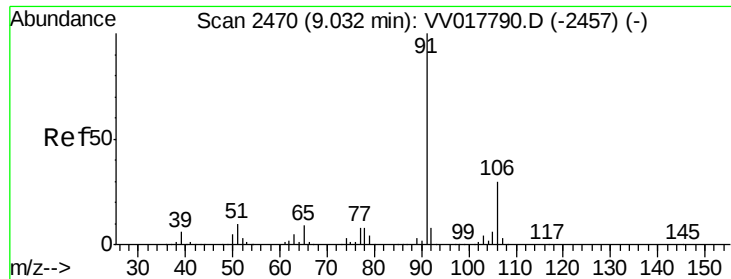
#51  
Chlorobenzene  
Concen: 4.792 ug/L  
RT: 8.90 min Scan# 2429  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.6  | 22.1  | 41.1  |
| 77      | 58.0  | 45.9  | 68.9  |



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





#52

Ethylbenzene

Concen: 4.794 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

ClientSampleId :

A5169MSD

Tot Ion: 91 Resp: 261181

Ion Ratio Lower Upper

91 100

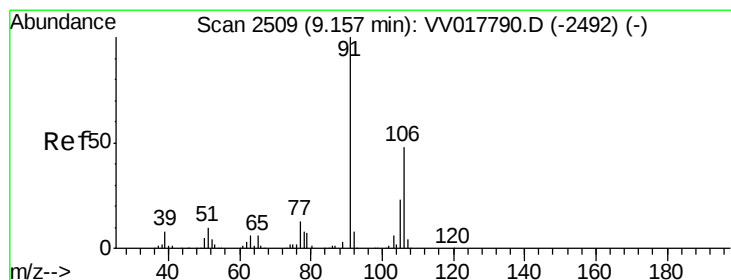
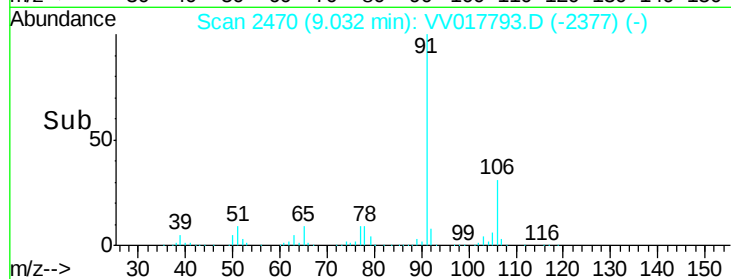
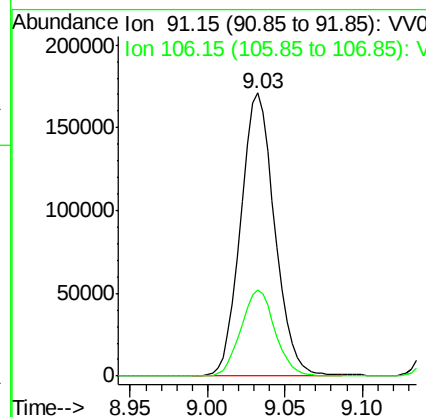
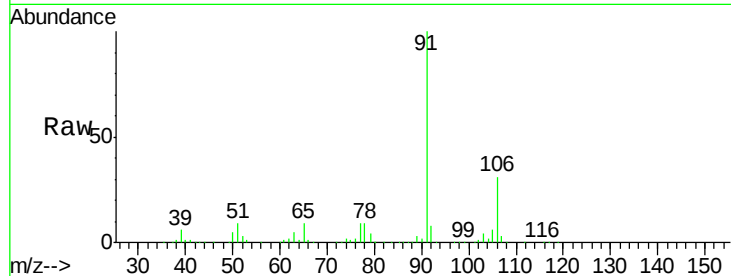
106 30.5 21.6 40.2

Manual Integrations

APPROVED

sam

8/7/2020 7:19:59 PM



#53

m,p-xylene

Concen: 4.960 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017793.D

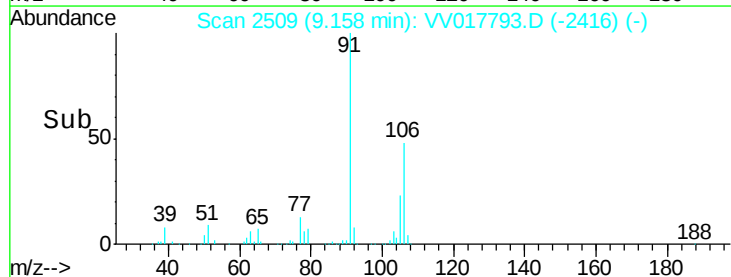
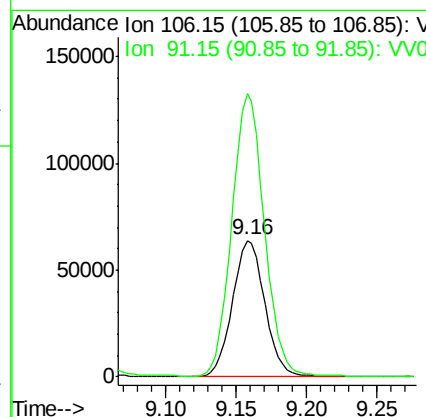
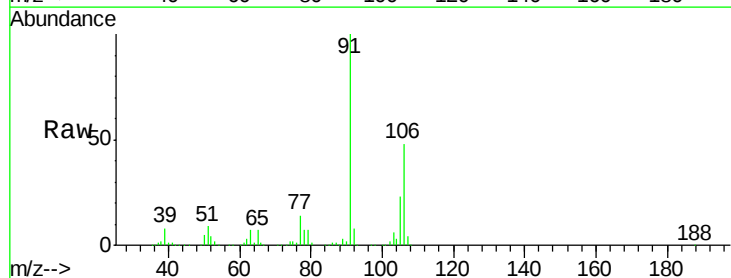
Acq: 03 Aug 2020 13:38

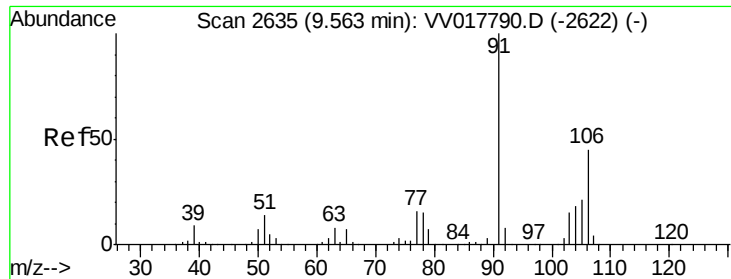
Tgt Ion: 106 Resp: 102853

Ion Ratio Lower Upper

106 100

91 207.9 141.6 263.0





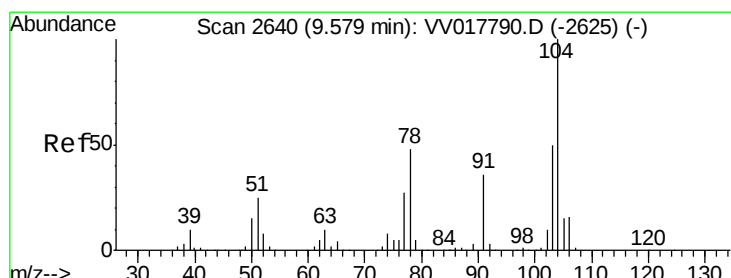
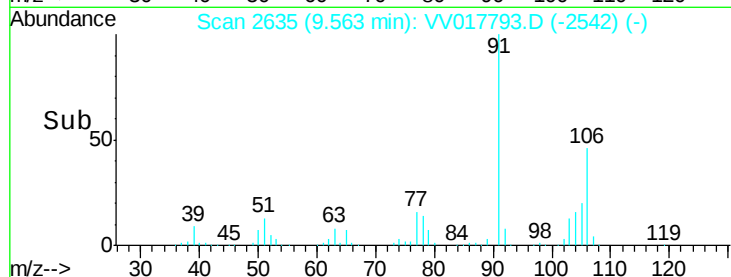
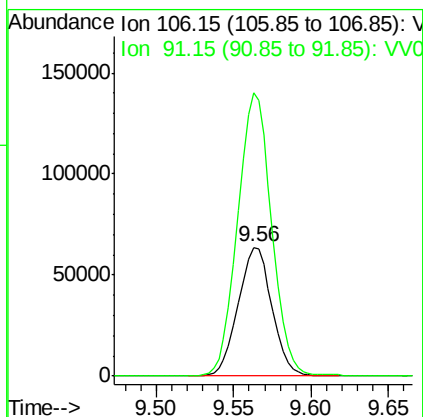
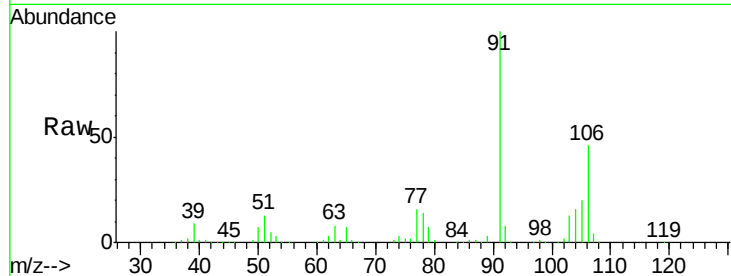
#54  
o-xylene  
Concen: 4.931 ug/L  
RT: 9.56 min Scan# 2635  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169MSD

Tot Ion:106 Resp: 96792  
Ion Ratio Lower Upper  
106 100  
91 219.2 146.8 272.6

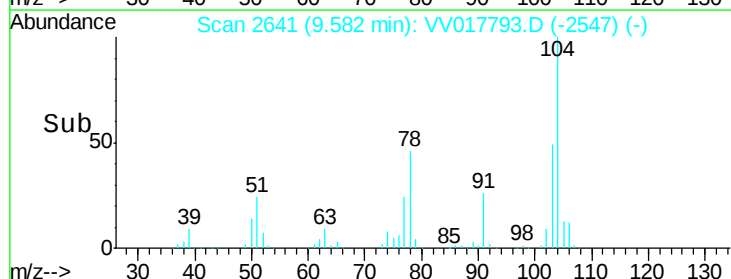
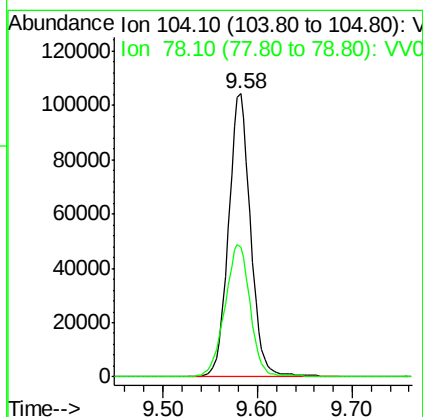
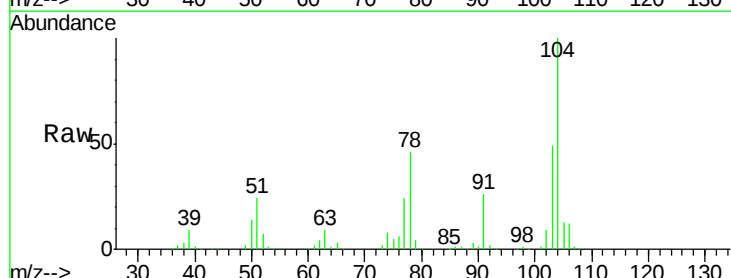
Manual Integrations  
APPROVED

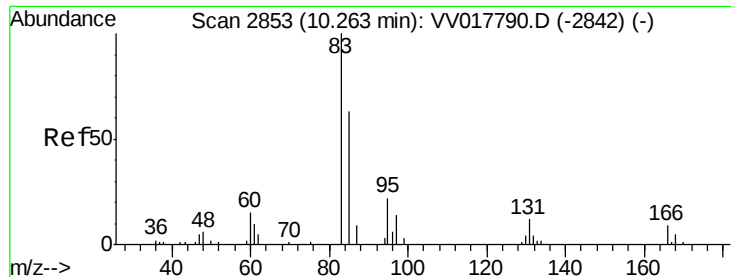
sam  
8/7/2020 7:19:59 PM



#55  
Styrene  
Concen: 5.124 ug/L  
RT: 9.58 min Scan# 2641  
Delta R.T. 0.00 min  
Lab File: VV017793.D  
Acq: 03 Aug 2020 13:38

Tgt Ion:104 Resp: 169443  
Ion Ratio Lower Upper  
104 100  
78 45.7 33.3 61.9





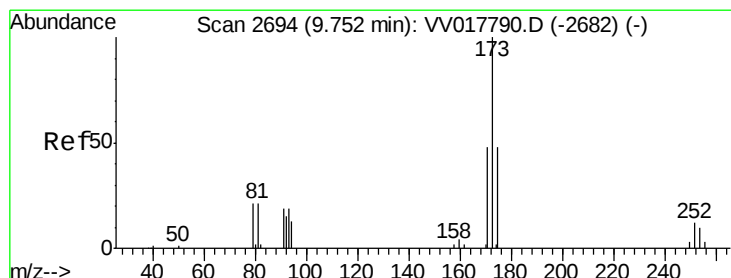
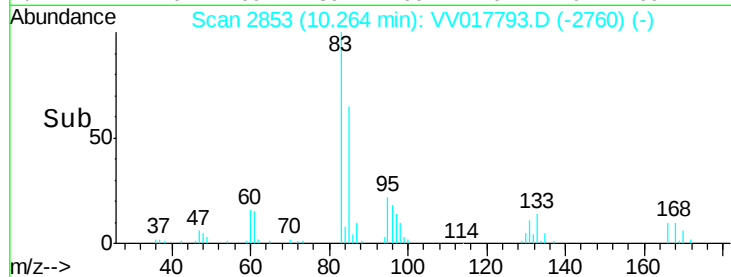
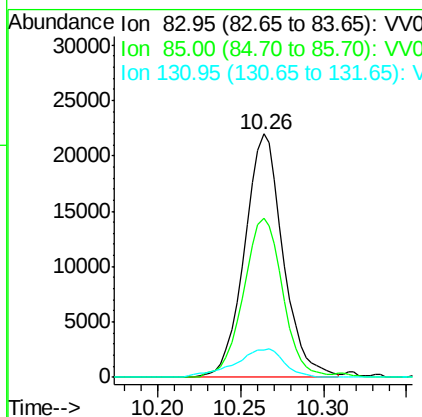
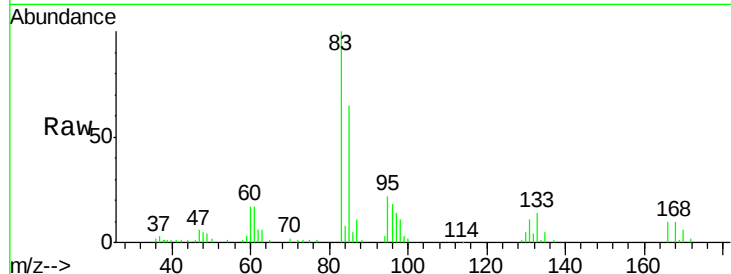
#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 4.350 ug/L  
 RT: 10.26 min Scan# 2853  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 44.0  | 81.6  |
| 131     | 11.4  | 8.3   | 12.5  |

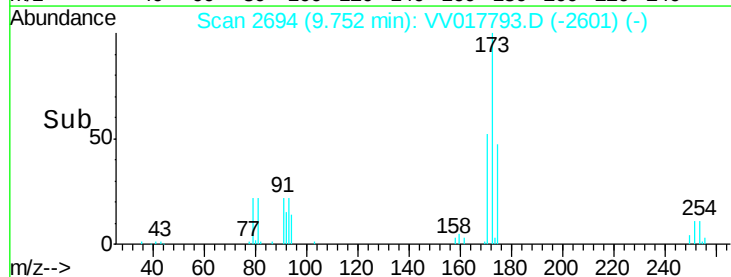
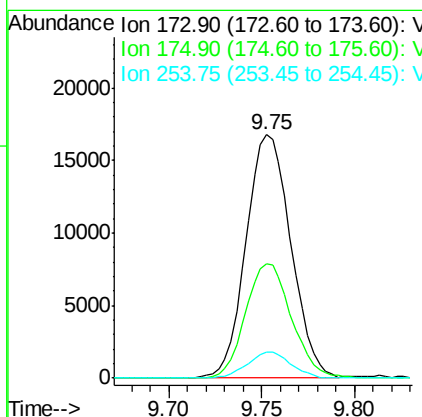
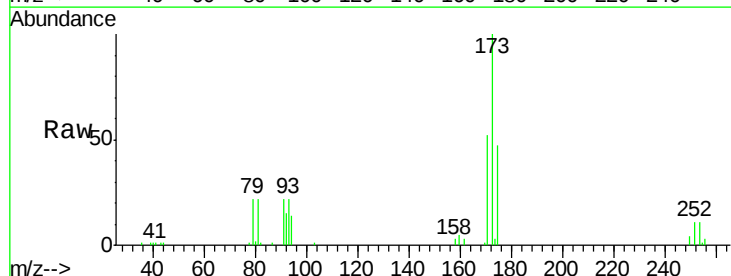
Manual Integrations  
 APPROVED

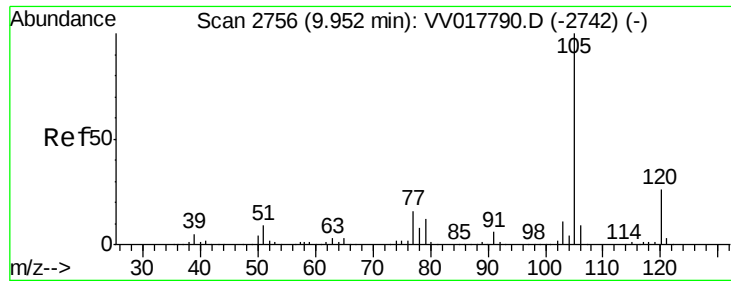
sam  
 8/7/2020 7:19:59 PM



#59  
 Bromoform  
 Concen: 5.261 ug/L  
 RT: 9.75 min Scan# 2694  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 38.3  | 57.5  |
| 254     | 10.2  | 8.6   | 13.0  |





#60

Isopropylbenzene

Concen: 4.814 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

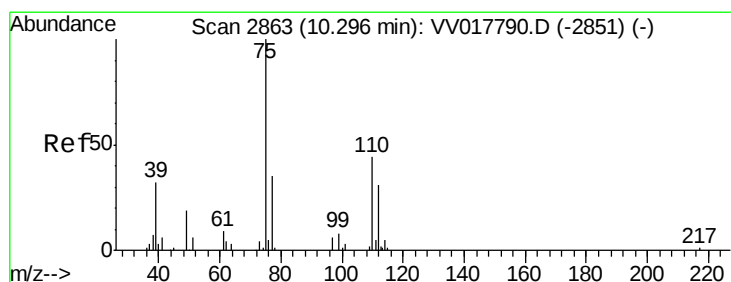
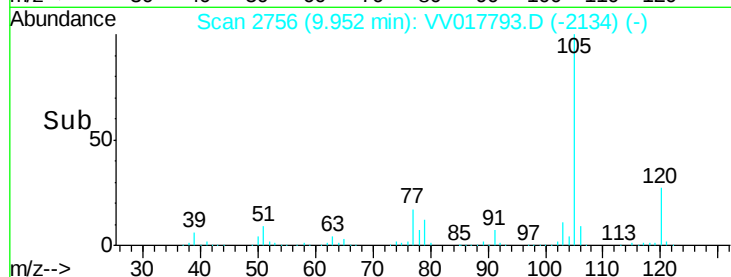
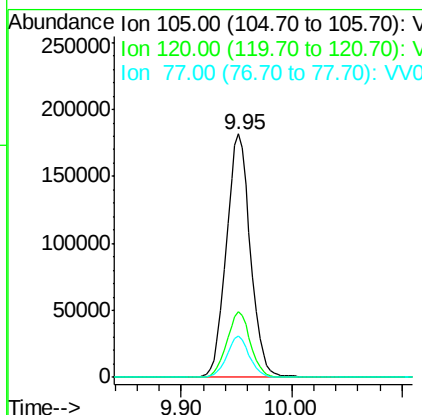
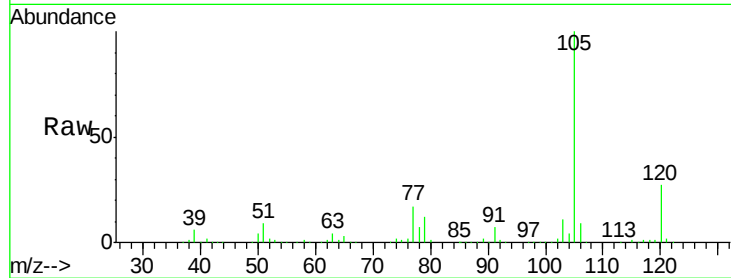
ClientSampleId :

A5169MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 105   | Resp: | 273944 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.7  | 21.5  | 32.3   |
| 77        | 16.2  | 12.3  | 18.5   |

Manual Integrations  
APPROVED

sam  
8/7/2020 7:19:59 PM



#61

1,2,3-Trichloropropane

Concen: 4.598 ug/L

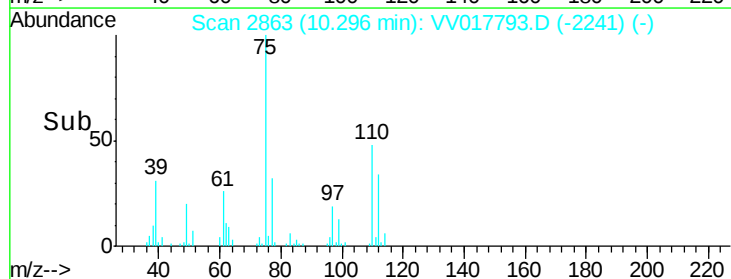
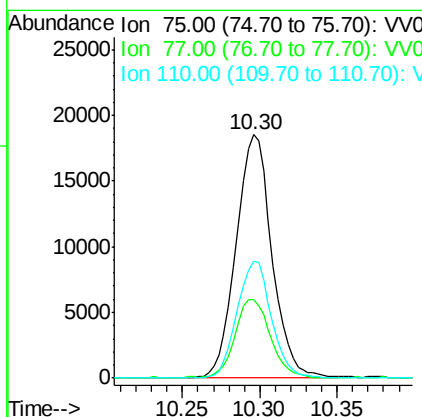
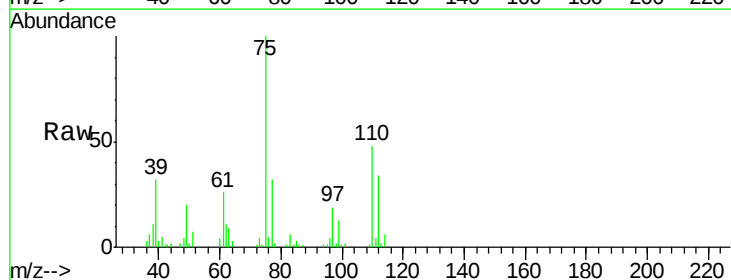
RT: 10.30 min Scan# 2863

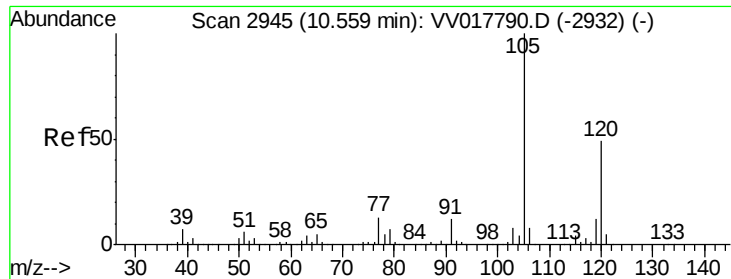
Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 29847 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.0  | 26.8  | 40.2  |
| 110       | 46.1  | 35.0  | 52.6  |





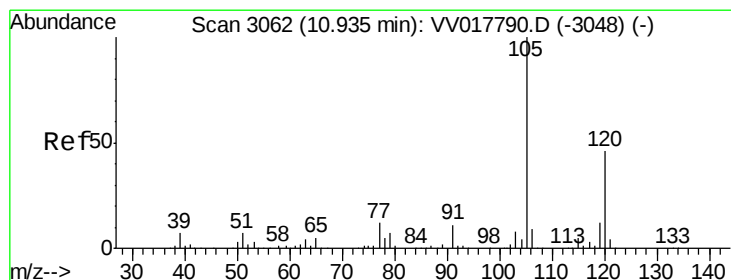
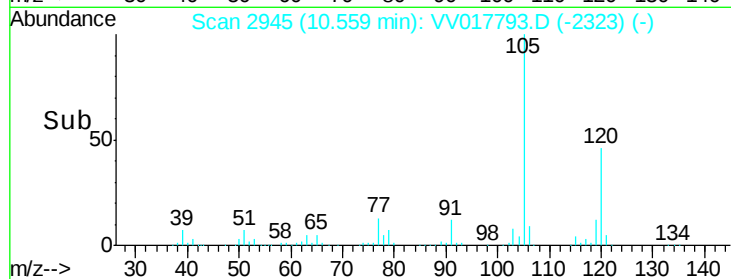
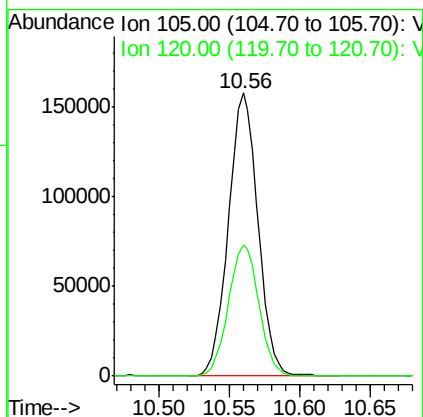
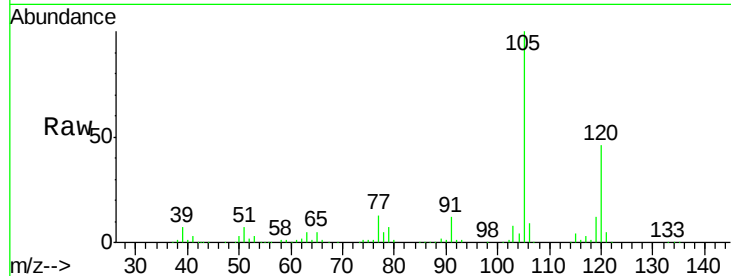
#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.928 ug/L  
 RT: 10.56 min Scan# 2945  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

Tot Ion:105 Resp: 231539  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 40.1 60.1

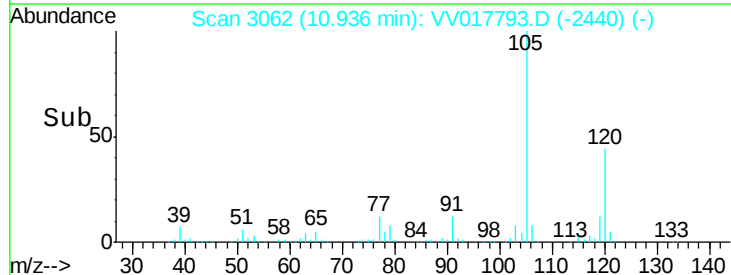
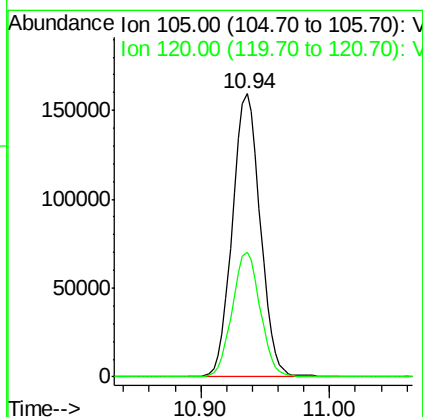
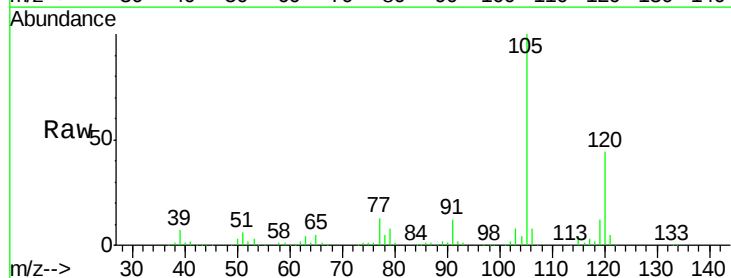
Manual Integrations  
 APPROVED

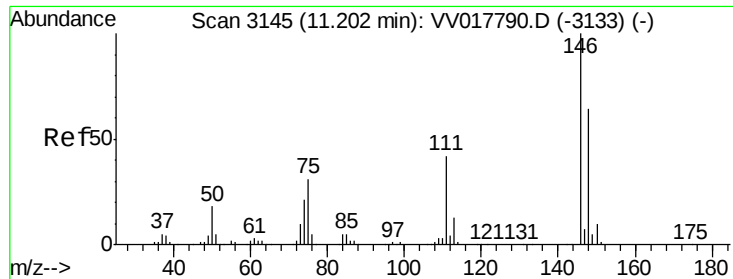
sam  
 8/7/2020 7:19:59 PM



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.131 ug/L  
 RT: 10.94 min Scan# 3062  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Tgt Ion:105 Resp: 239563  
 Ion Ratio Lower Upper  
 105 100  
 120 44.5 35.8 53.8





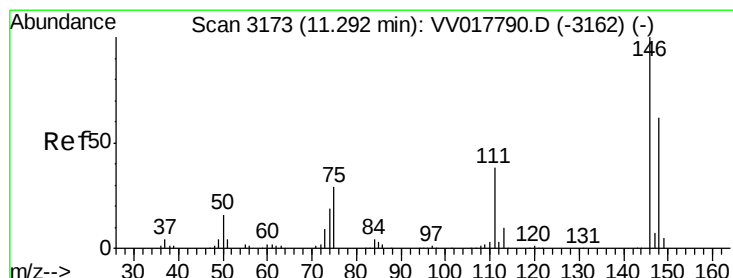
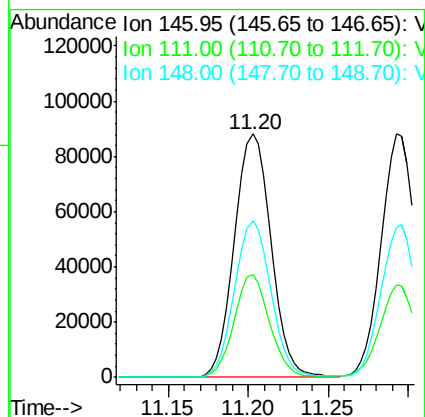
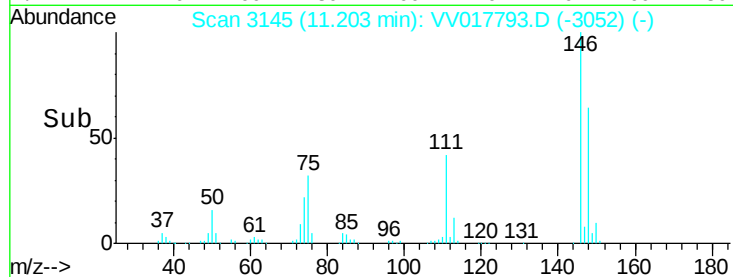
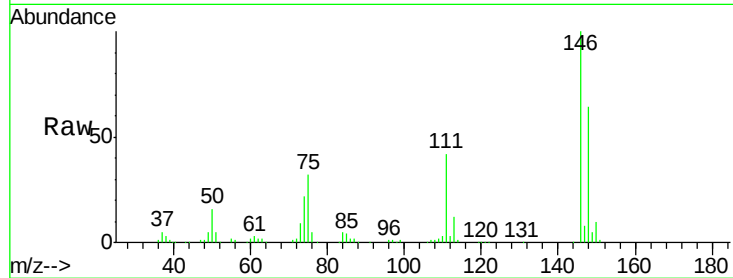
#64  
 1,3-Dichlorobenzene  
 Concen: 4.869 ug/L  
 RT: 11.20 min Scan# 3145  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 A5169MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 138064 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.2  | 27.2  | 50.6   |
| 148       | 64.4  | 44.5  | 82.7   |

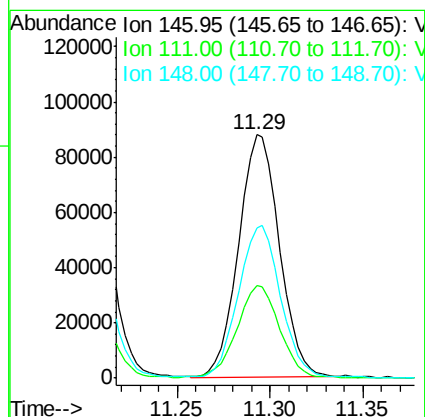
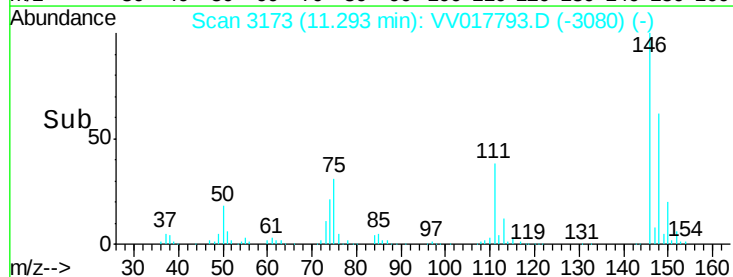
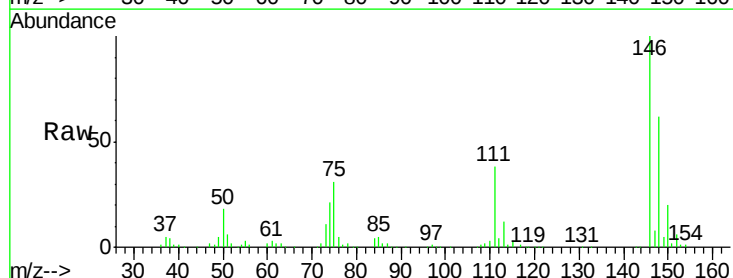
Manual Integrations  
 APPROVED

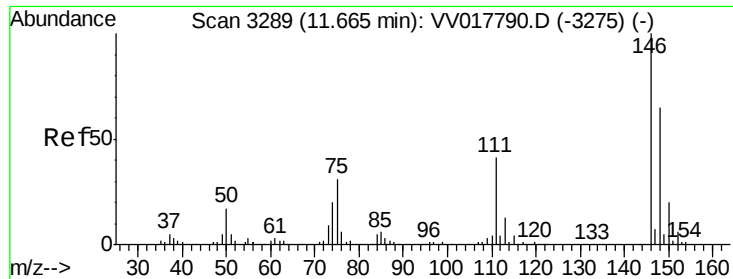
sam  
 8/7/2020 7:19:59 PM



#65  
 1,4-Dichlorobenzene  
 Concen: 4.647 ug/L  
 RT: 11.29 min Scan# 3173  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 134284 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.2  | 25.8  | 48.0   |
| 148       | 61.8  | 43.8  | 81.3   |





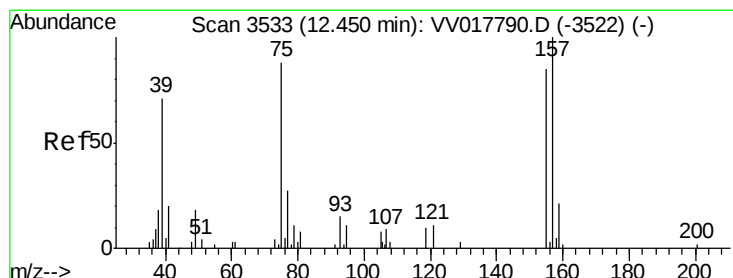
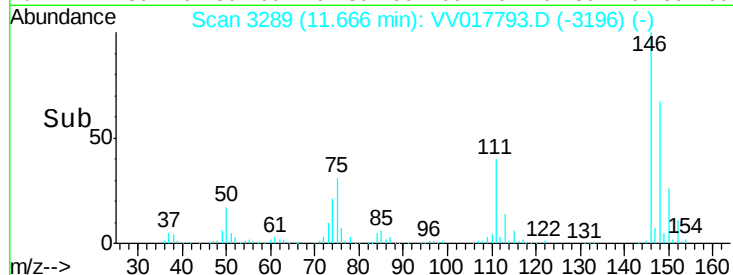
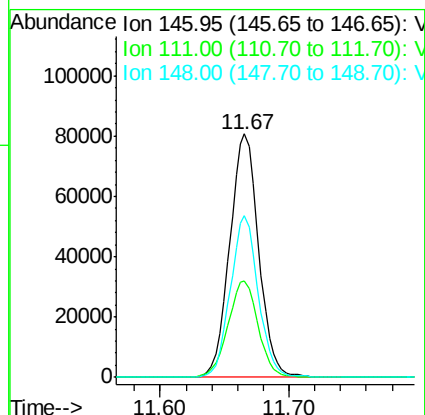
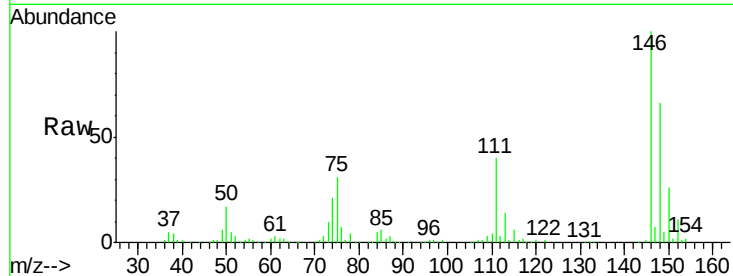
#67  
 1,2-Dichlorobenzene  
 Concen: 4.866 ug/L  
 RT: 11.67 min Scan# 3289  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 A5169MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 32.4  | 48.6  |
| 148     | 66.4  | 49.4  | 74.0  |

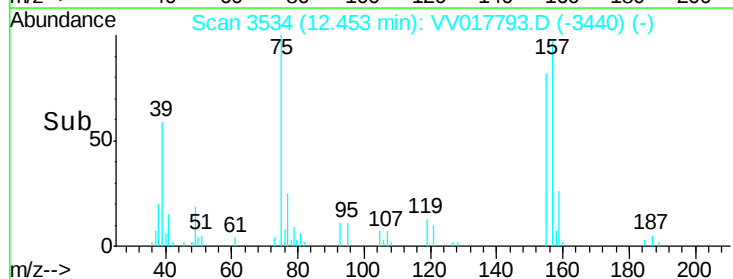
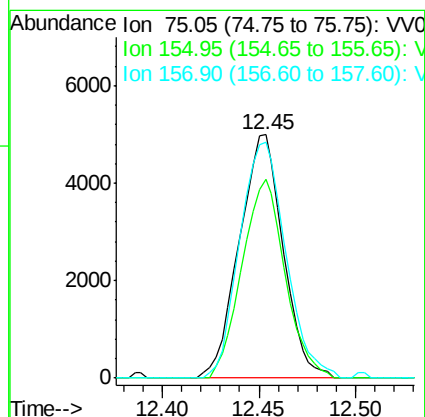
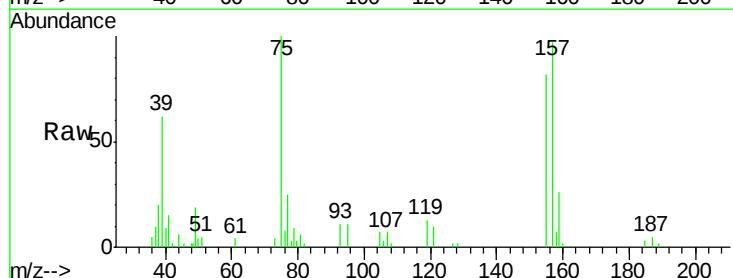
Manual Integrations  
 APPROVED

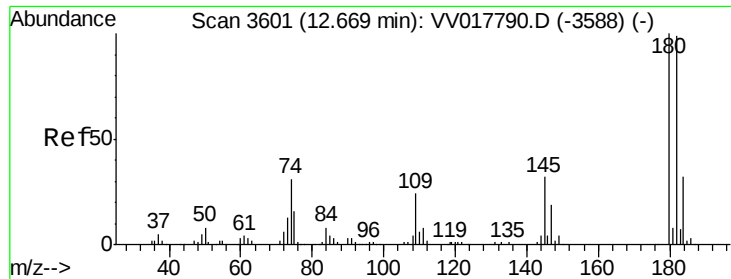
sam  
 8/7/2020 7:19:59 PM



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 5.887 ug/L  
 RT: 12.45 min Scan# 3534  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.6  | 75.0  | 112.6 |
| 157     | 97.1  | 87.8  | 131.6 |





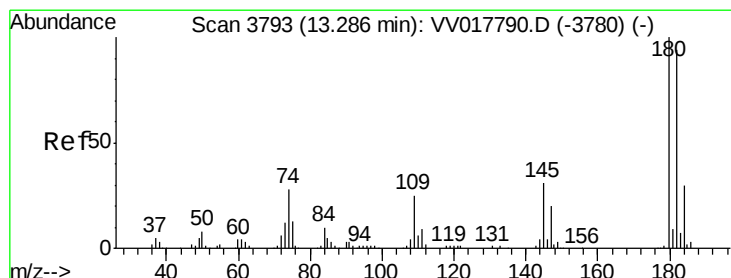
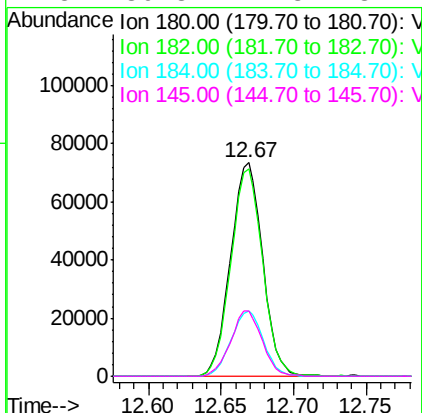
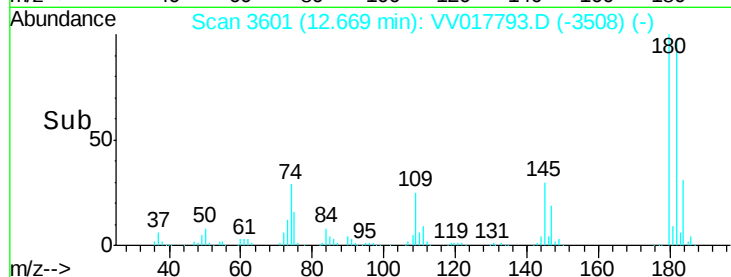
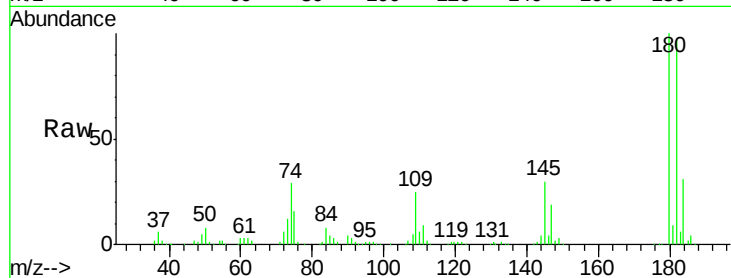
#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.787 ug/L  
 RT: 12.67 min Scan# 3601  
 Delta R.T. 0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 112230 |       |       |
| 182     | 96.5  | 77.1   | 115.7 |       |
| 184     | 30.7  | 24.6   | 36.8  |       |
| 145     | 30.3  | 22.8   | 34.2  |       |

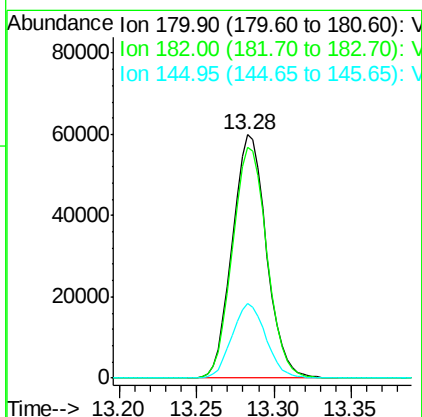
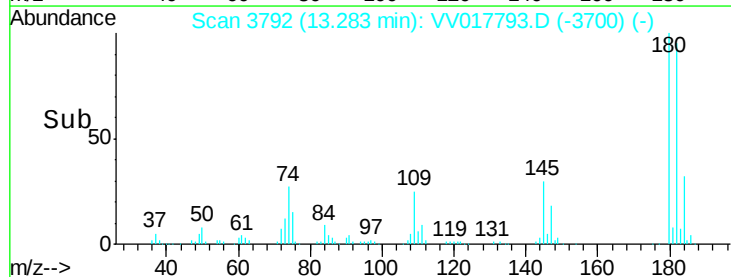
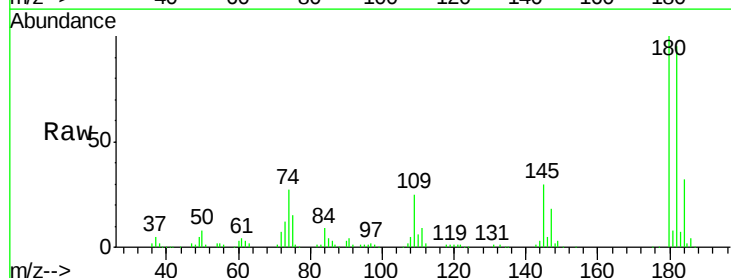
Manual Integrations  
 APPROVED

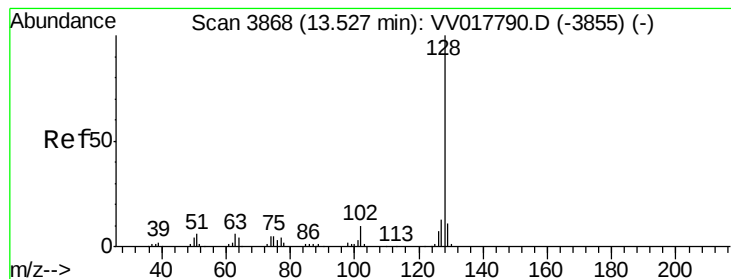
sam  
 8/7/2020 7:19:59 PM



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.949 ug/L  
 RT: 13.28 min Scan# 3792  
 Delta R.T. -0.00 min  
 Lab File: VV017793.D  
 Acq: 03 Aug 2020 13:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 91814 |       |       |
| 182     | 95.7  | 76.1  | 114.1 |       |
| 145     | 30.5  | 24.3  | 36.5  |       |





#71

Naphthalene

Concen: 4.941 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

Instrument :

MSVOA\_V

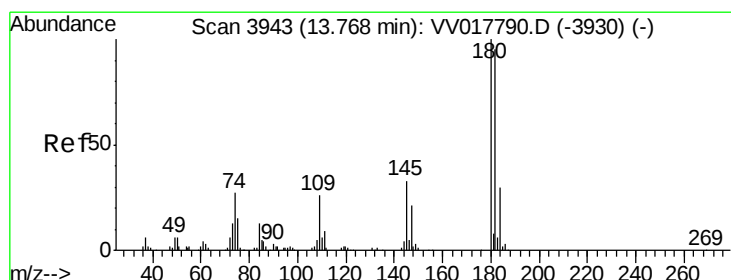
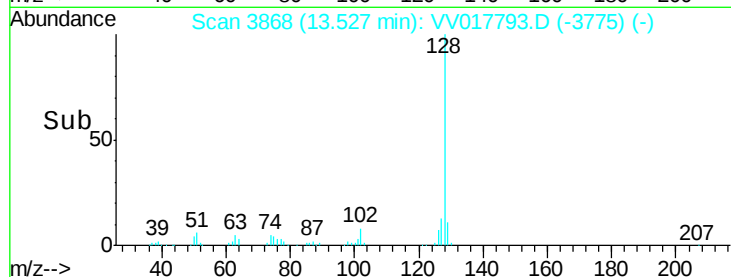
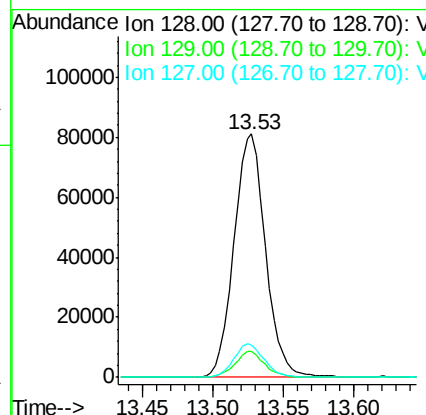
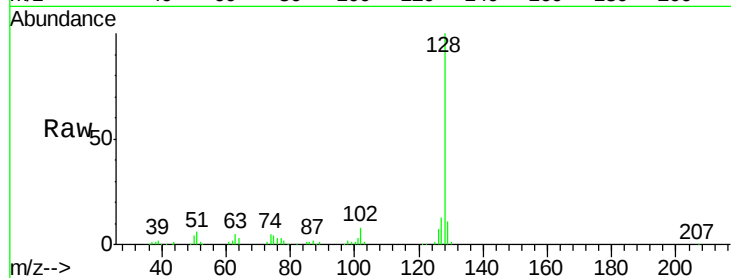
ClientSampled :

A5169MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 127174 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.0  | 9.1   | 13.7   |
| 127       | 13.3  | 10.4  | 15.6   |

Manual Integrations  
APPROVED

sam  
8/7/2020 7:19:59 PM



#72

1,2,3-Trichlorobenzene

Concen: 4.976 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017793.D

Acq: 03 Aug 2020 13:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 81825 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 78.5  | 117.7 |
| 145       | 32.3  | 25.8  | 38.8  |

