

Data File : VV014474.D  
Acq On : 01 Feb 2020 00:57  
Operator : SY/MD  
Sample : L1323-11 10X  
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAT49

Quant Time: Feb 01 02:42:33 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Feb 01 02:36:06 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 453280   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 423544   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 203659   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 107328   | 42.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.28%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 75306    | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.22%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 122350   | 36.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.82%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 196180   | 115.82   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.82% |
| 24) Chloroform-d               | 4.40    | 84    | 238503   | 44.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 157983   | 49.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.46%  |
| 32) Benzene-d6                 | 5.09    | 84    | 531166   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 169352   | 48.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.00%  |
| 41) Toluene-d8                 | 7.35    | 98    | 495127   | 48.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.18%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 84715    | 47.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.48%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 161236   | 116.80   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 116.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 202505   | 44.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.10%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 180145   | 48.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.06%  |

#### Target Compounds

|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 1259    | 0.734 ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.13  | 96  | 1192    | 0.691 ug/L # | 1      |
| 13) Acetone                    | 2.18  | 43  | 3979    | 2.753 ug/L   | 97     |
| 25) Chloroform                 | 4.42  | 83  | 11668   | 2.123 ug/L   | 98     |
| 29) Cyclohexane                | 4.73  | 56  | 3842    | 0.743 ug/L # | 82     |
| 33) Benzene                    | 5.14  | 78  | 156853  | 12.551 ug/L  | 100    |
| 35) Methylcyclohexane          | 6.17  | 83  | 4046    | 0.771 ug/L # | 77     |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75  | 4424    | 0.861 ug/L # | 49     |
| 42) Toluene                    | 7.43  | 91  | 1604241 | 122.626 ug/L | 99     |
| 52) Ethylbenzene               | 9.05  | 91  | 405325  | 27.605 ug/L  | 99     |
| 53) m,p-Xylene                 | 9.18  | 106 | 1132304 | 206.521 ug/L | 99     |
| 54) o-xylene                   | 9.58  | 106 | 485200  | 89.311 ug/L  | 100    |
| 55) Styrene                    | 9.60  | 104 | 1839410 | 201.744 ug/L | 99     |
| 56) Isopropylbenzene           | 9.97  | 105 | 12079   | 0.870 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 24404   | 6.612 ug/L   | 93     |
| 66) 1,2-Dibromo-3-chloropropan | 12.52 | 75  | 9048    | 9.193 ug/L # | 3      |
| 69) Naphthalene                | 13.61 | 128 | 60174   | 4.957 ug/L # | 53     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV020120\  
Quantitation Report (Not Reviewed)

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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Quant Time: Feb 01 02:42:33 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Feb 01 02:36:06 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

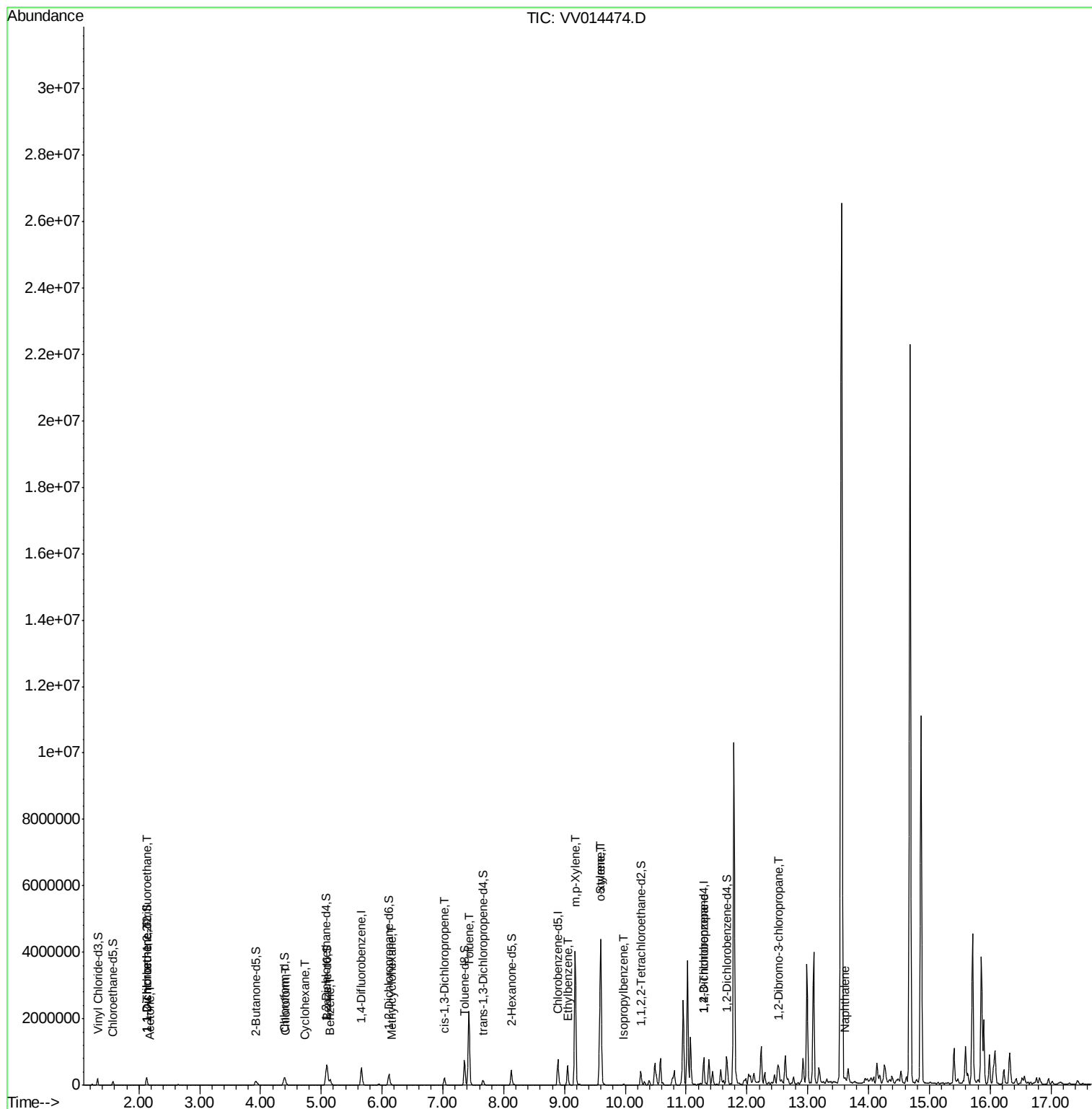
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|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

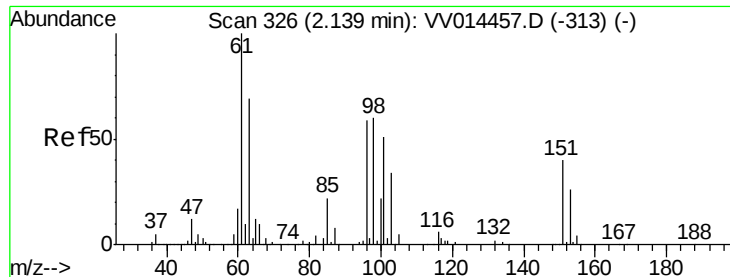
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Feb 01 02:36:06 2020  
Response via : Initial Calibration





#10

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

Concen: 0.734 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA\_V

ClientSampled :

GAT49

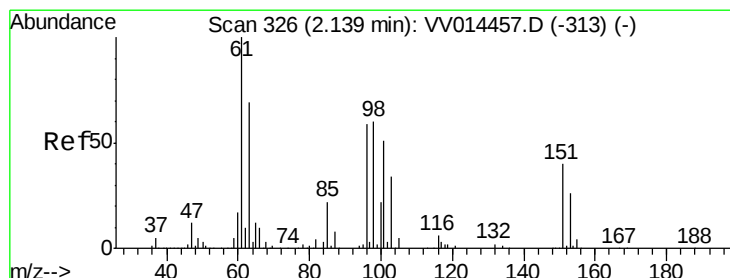
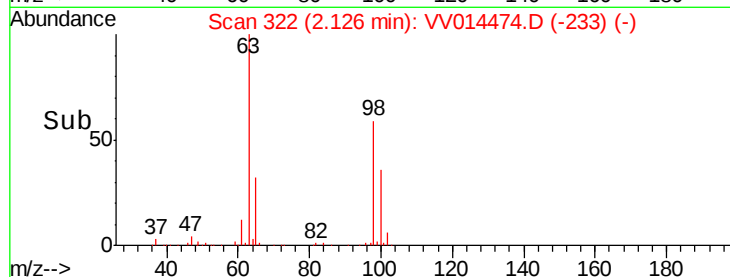
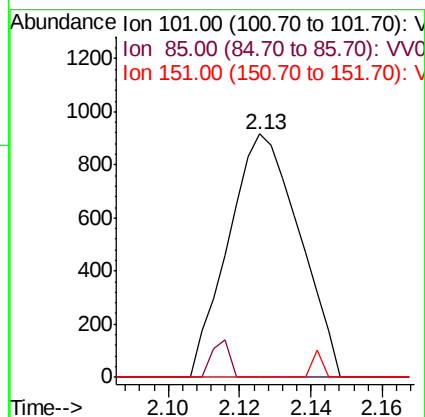
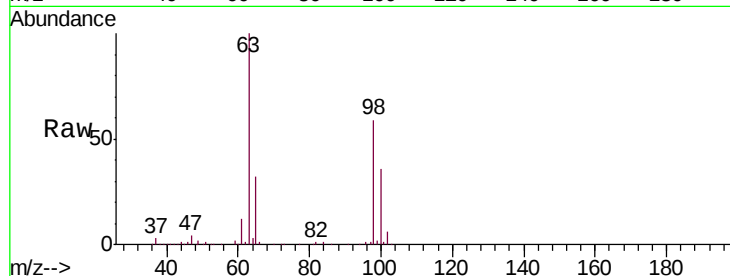
Tgt Ion: 101 Resp: 1259

Ion Ratio Lower Upper

101 100

85 3.8 34.6 51.8#

151 0.0 61.2 91.8#



#12

1,1-Dichloroethene

Concen: 0.691 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

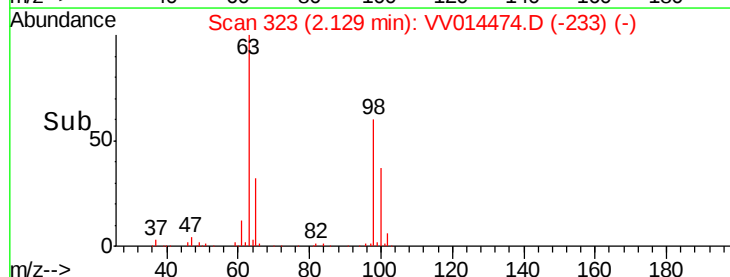
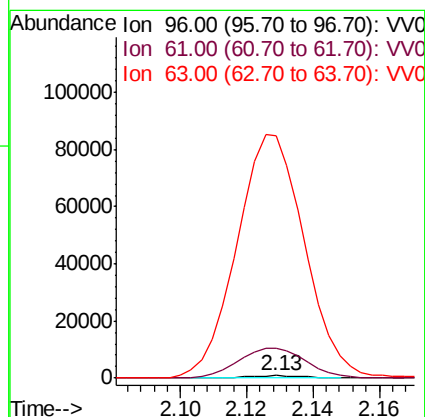
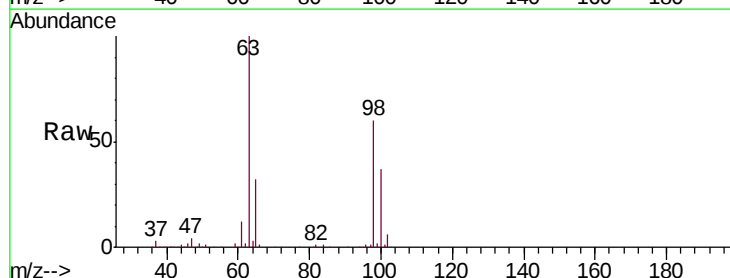
Tgt Ion: 96 Resp: 1192

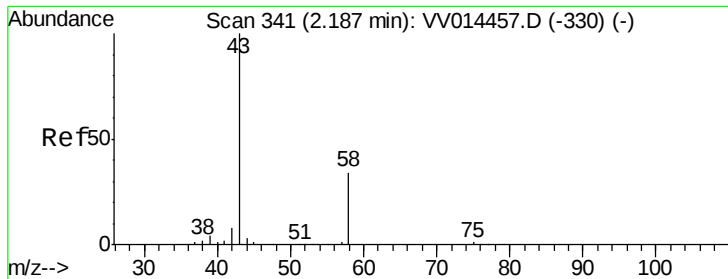
Ion Ratio Lower Upper

96 100

61 1287.1 120.5 223.7#

63 10335.6 87.1 161.7#





#13

Acetone

Concen: 2.753 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA\_V

ClientSampleId :

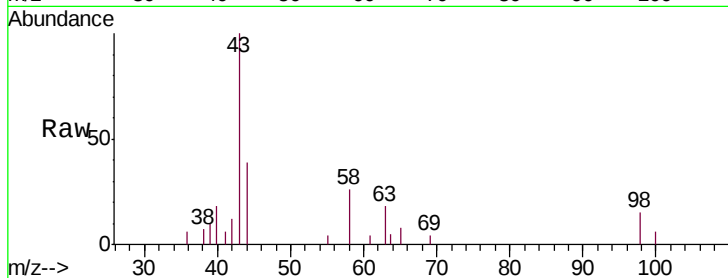
GAT49

Tgt Ion: 43 Resp: 3979

Ion Ratio Lower Upper

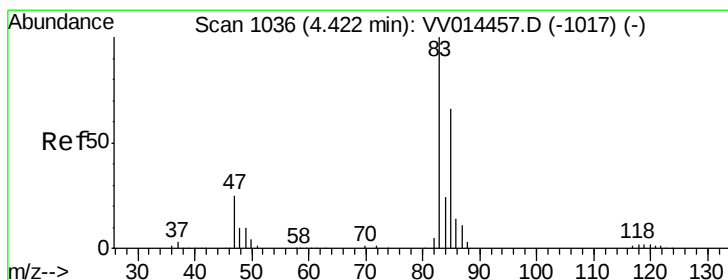
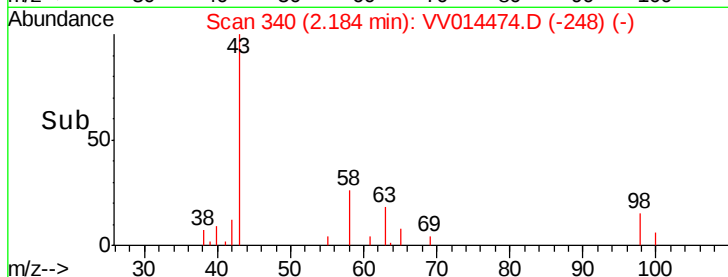
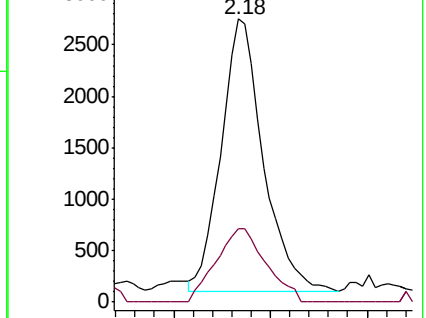
43 100

58 32.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014457.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014457.D (-330) (-)



#25

Chloroform

Concen: 2.123 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV014474.D

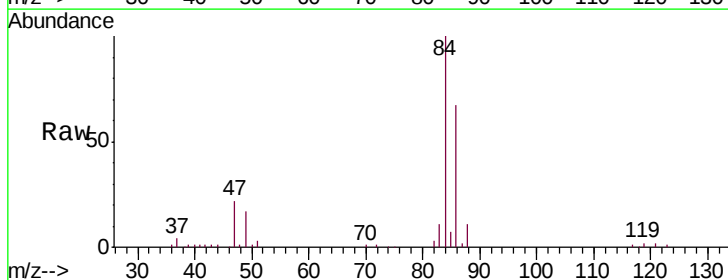
Acq: 01 Feb 2020 00:57

Tgt Ion: 83 Resp: 11668

Ion Ratio Lower Upper

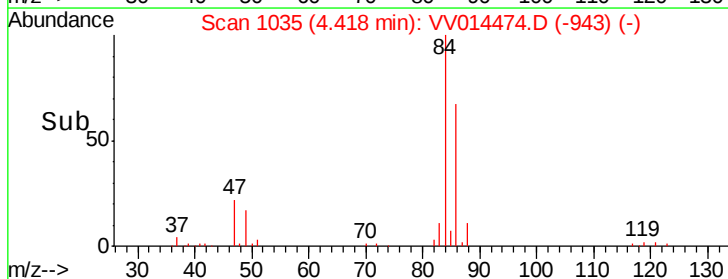
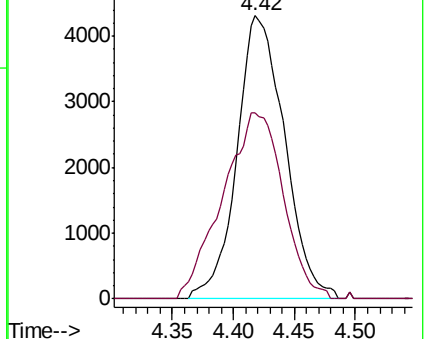
83 100

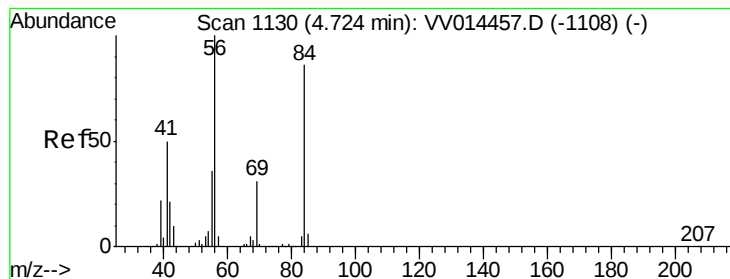
85 65.9 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VV014457.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV014457.D (-1017) (-)





#29

Cyclohexane

Concen: 0.743 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA\_V

ClientSampleId :

GAT49

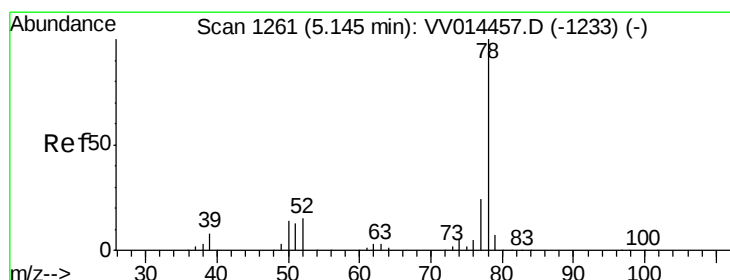
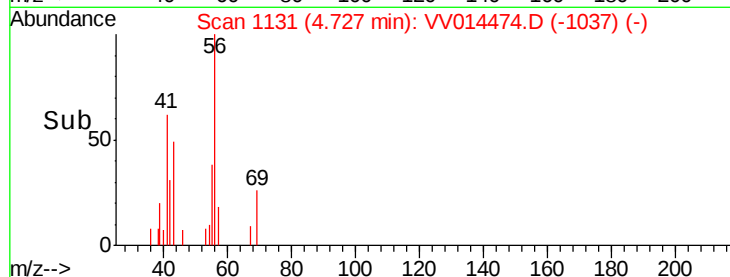
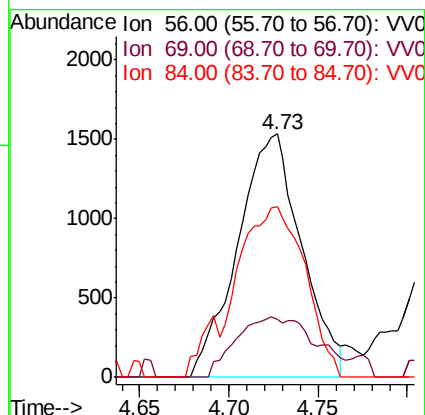
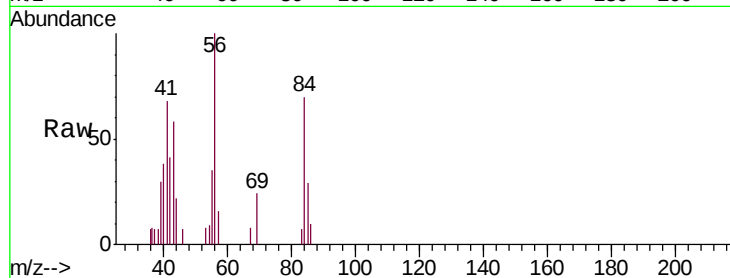
Tgt Ion: 56 Resp: 3842

Ion Ratio Lower Upper

56 100

69 18.0 24.9 37.3#

84 70.7 68.6 103.0



#33

Benzene

Concen: 12.551 ug/L

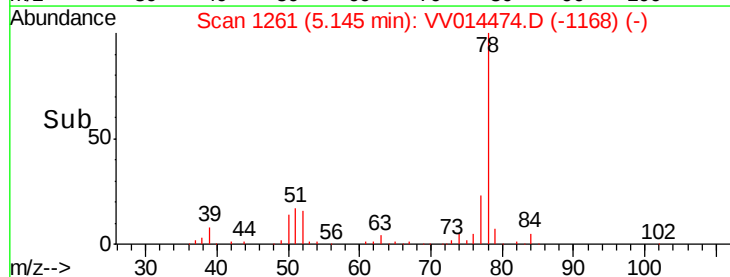
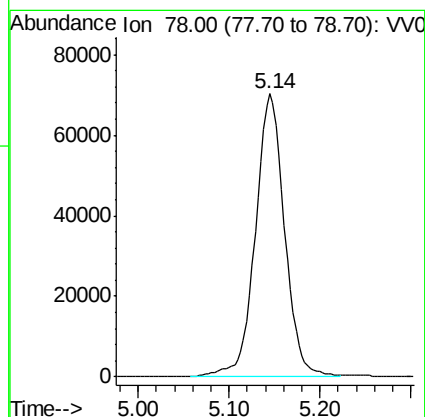
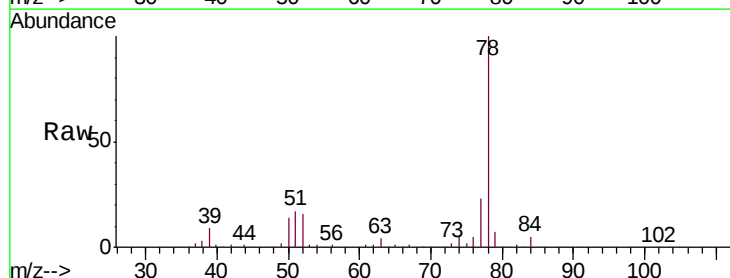
RT: 5.14 min Scan# 1261

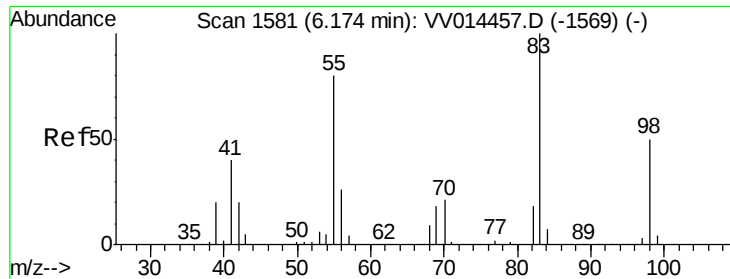
Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Tgt Ion: 78 Resp: 156853

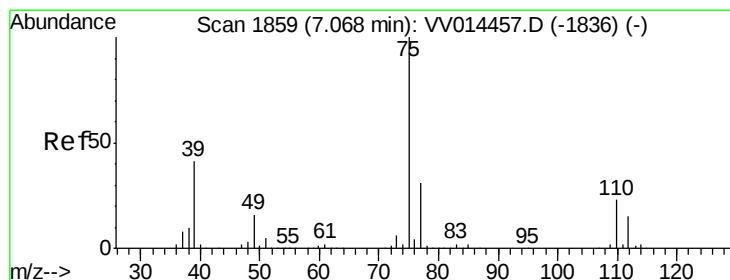
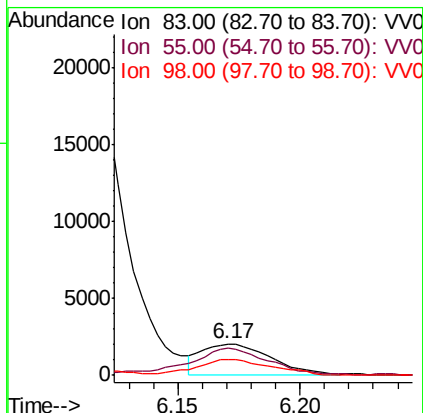
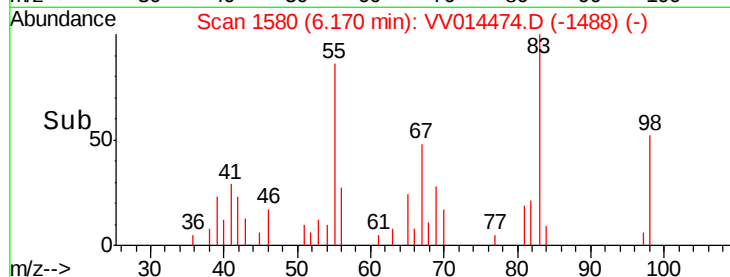
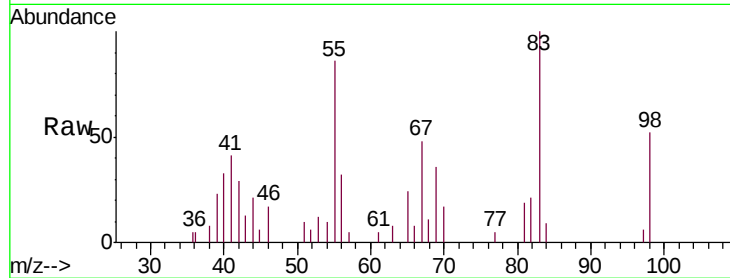




#35  
Methylcyclohexane  
Concen: 0.771 ug/L  
RT: 6.17 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: VV014474.D  
Acq: 01 Feb 2020 00:57

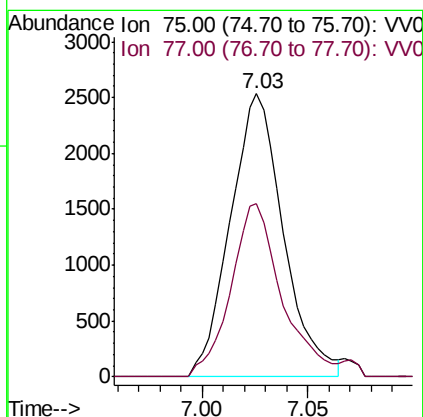
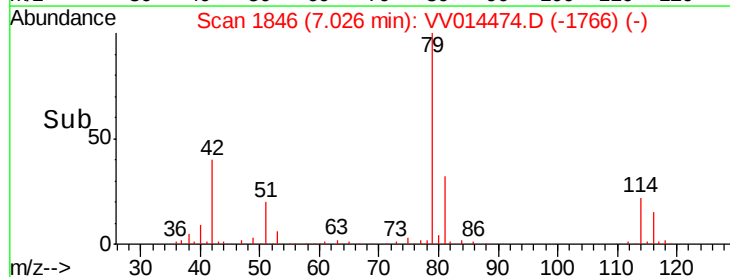
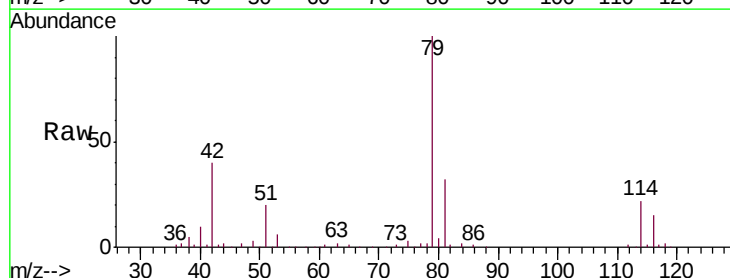
Instrument :  
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ClientSampleId :  
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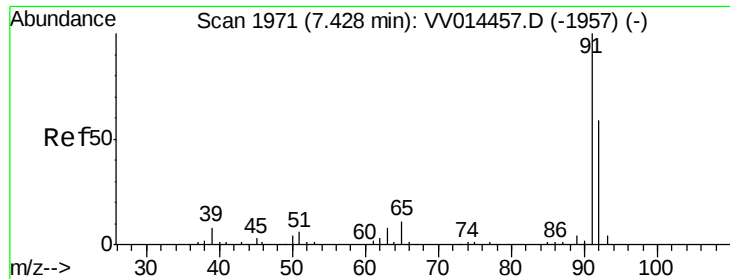
Tgt Ion: 83 Resp: 4046  
Ion Ratio Lower Upper  
83 100  
55 103.1 60.4 90.6#  
98 54.3 39.2 58.8



#39  
cis-1,3-Dichloropropene  
Concen: 0.861 ug/L  
RT: 7.03 min Scan# 1846  
Delta R.T. -0.04 min  
Lab File: VV014474.D  
Acq: 01 Feb 2020 00:57

Tgt Ion: 75 Resp: 4424  
Ion Ratio Lower Upper  
75 100  
77 61.2 22.7 42.3#





#42

Toluene

Concen: 122.626 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA\_V

ClientSampleId :

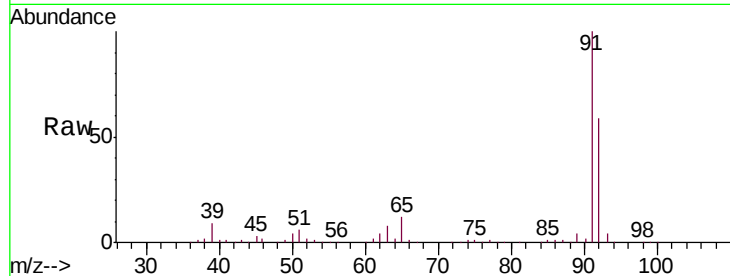
GAT49

Tgt Ion: 91 Resp: 1604241

Ion Ratio Lower Upper

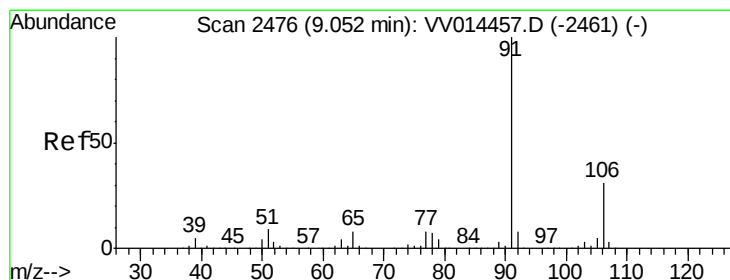
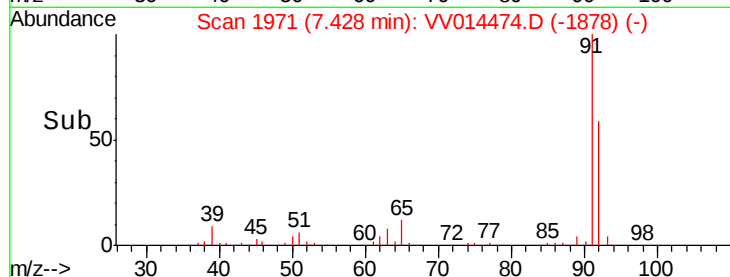
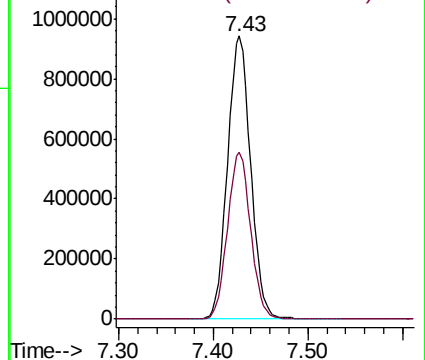
91 100

92 59.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#52

Ethylbenzene

Concen: 27.605 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014474.D

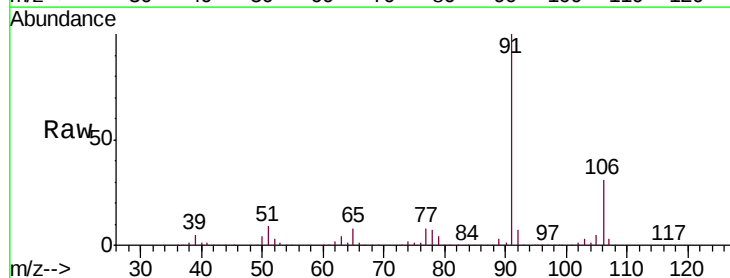
Acq: 01 Feb 2020 00:57

Tgt Ion: 91 Resp: 405325

Ion Ratio Lower Upper

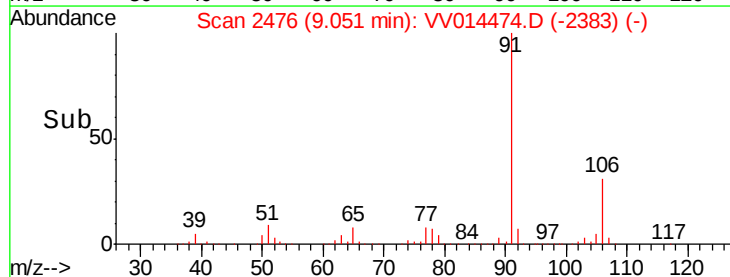
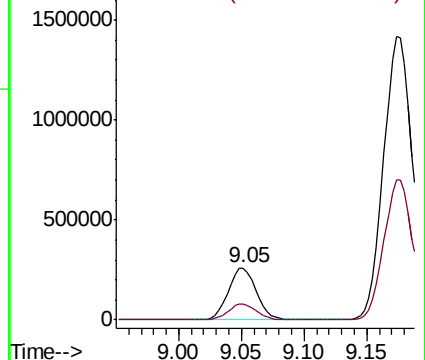
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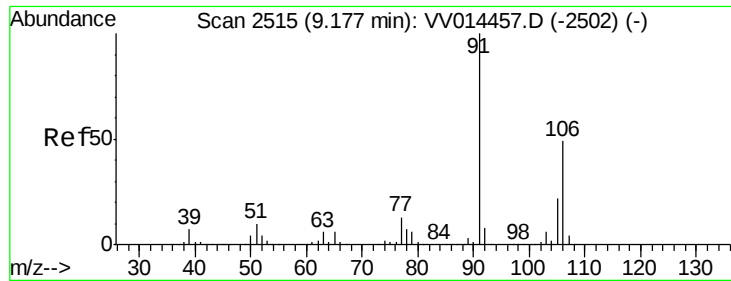
106 30.7 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

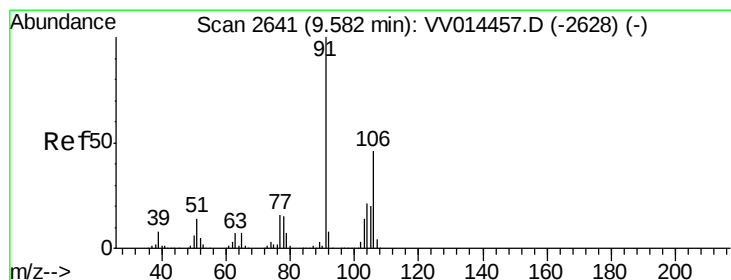
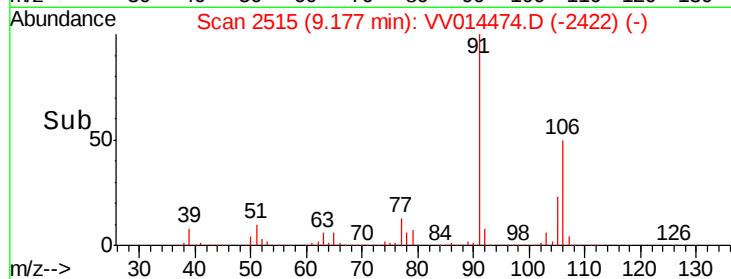
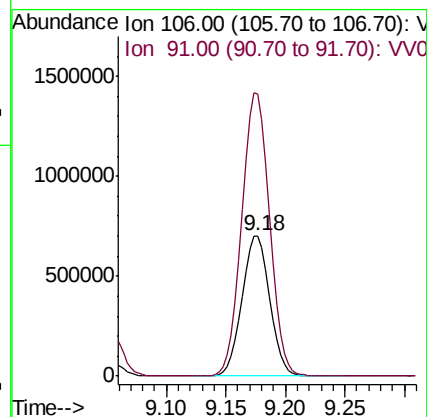
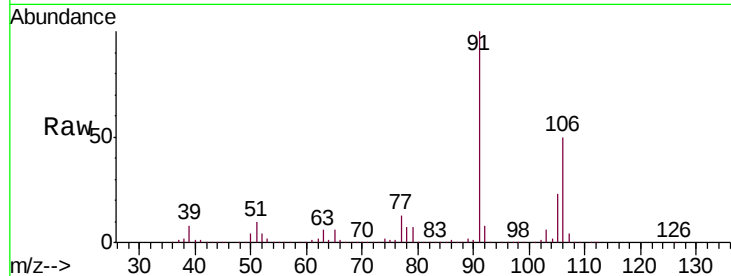




#53  
m,p-Xylene  
Concen: 206.521 ug/L  
RT: 9.18 min Scan# 2515  
Delta R.T. -0.00 min  
Lab File: VV014474.D  
Acq: 01 Feb 2020 00:57

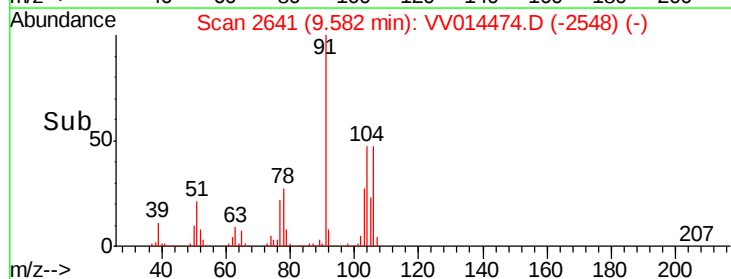
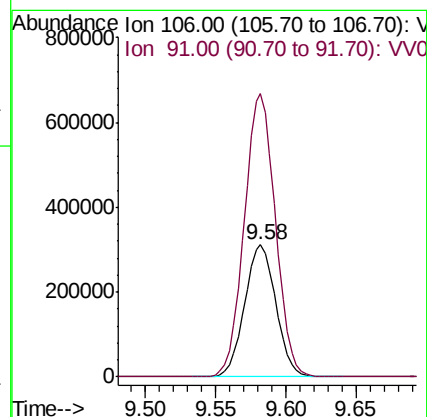
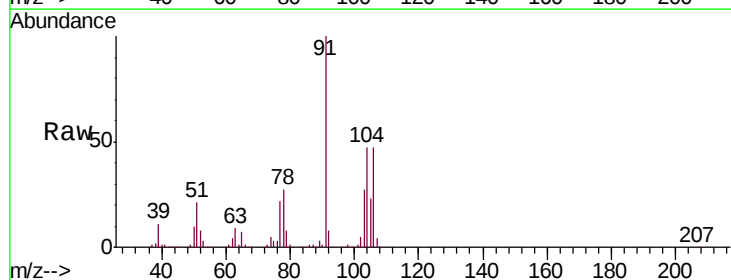
Instrument :  
MSVOA\_V  
ClientSampled :  
GAT49

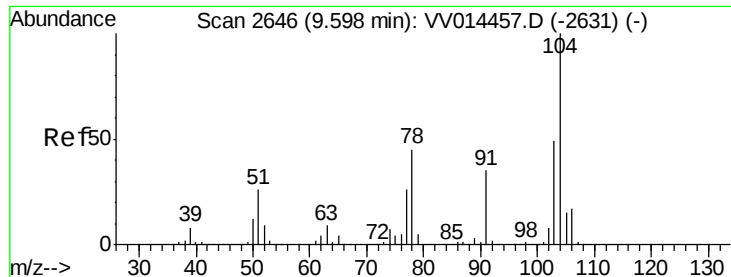
Tgt Ion:106 Resp: 1132304  
Ion Ratio Lower Upper  
106 100  
91 200.5 140.9 261.7



#54  
o-xylene  
Concen: 89.311 ug/L  
RT: 9.58 min Scan# 2641  
Delta R.T. -0.00 min  
Lab File: VV014474.D  
Acq: 01 Feb 2020 00:57

Tgt Ion:106 Resp: 485200  
Ion Ratio Lower Upper  
106 100  
91 214.6 150.4 279.2





#55

Styrene

Concen: 201.744 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA\_V

ClientSampleId :

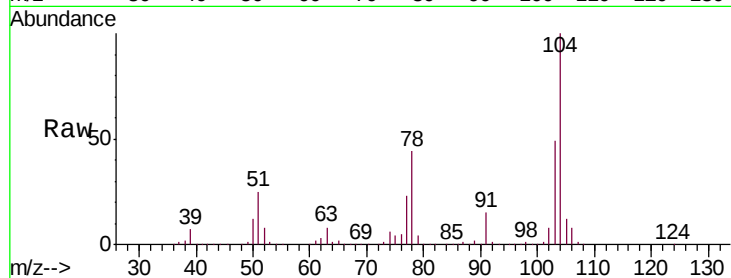
GAT49

Tgt Ion:104 Resp: 1839410

Ion Ratio Lower Upper

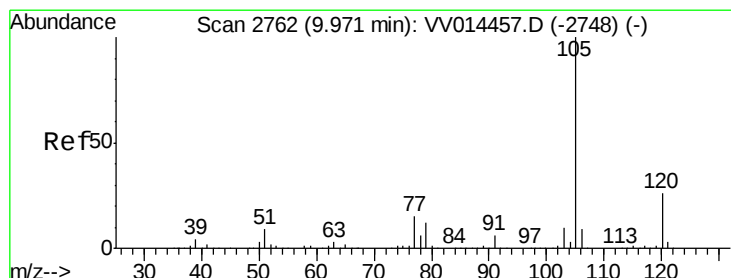
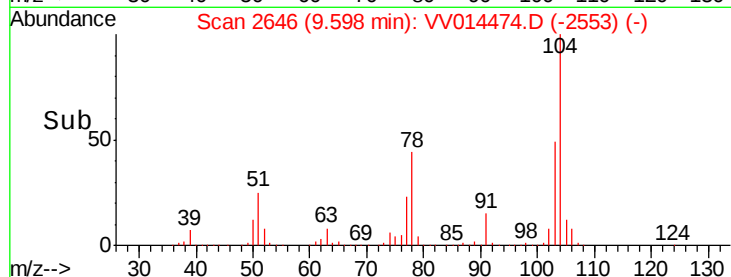
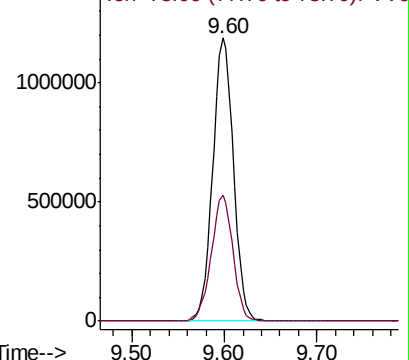
104 100

78 44.4 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 0.870 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

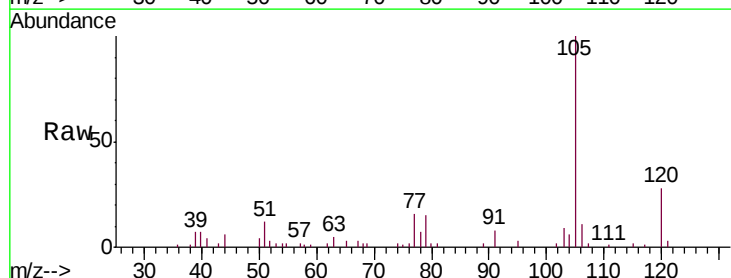
Tgt Ion:105 Resp: 12079

Ion Ratio Lower Upper

105 100

120 27.5 21.0 31.6

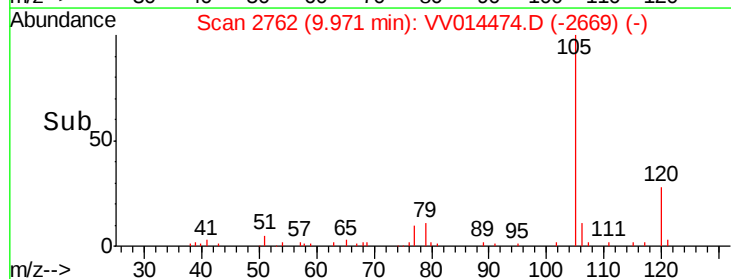
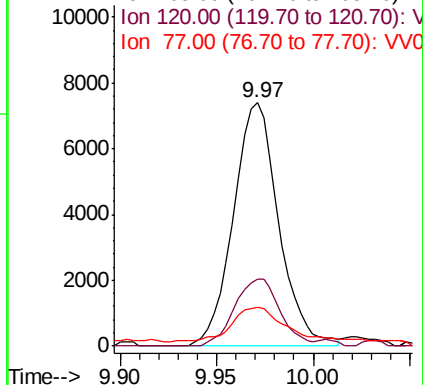
77 15.5 12.5 18.7

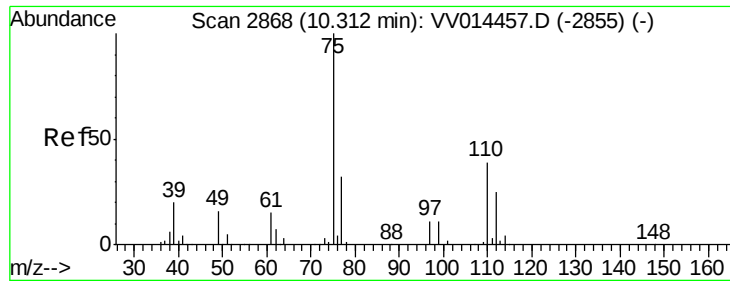


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

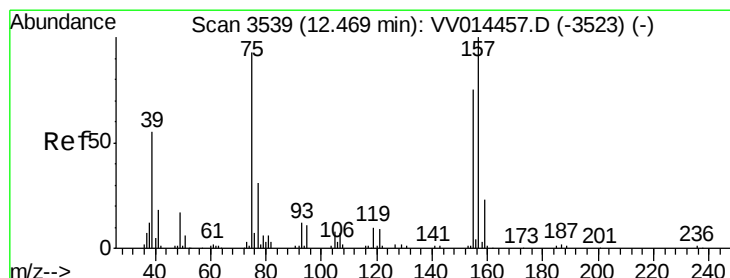
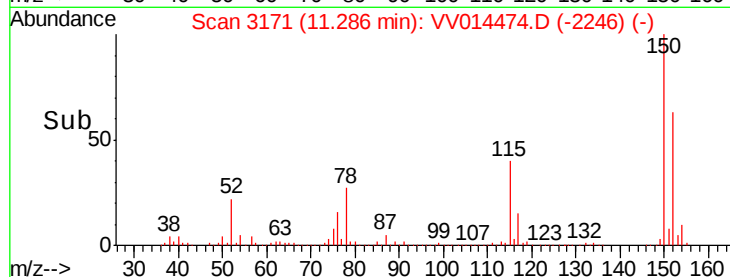
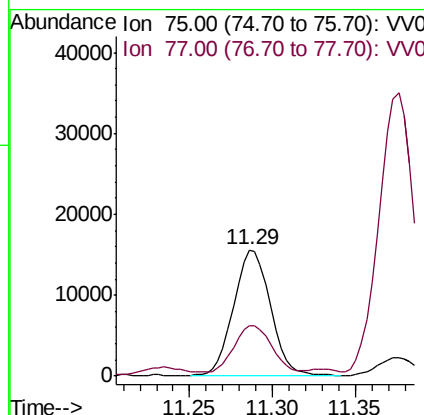
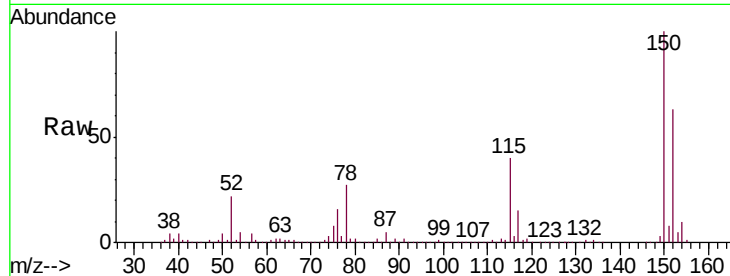




#59  
 1,2,3-Trichloropropane  
 Concen: 6.612 ug/L  
 RT: 11.29 min Scan# 3171  
 Delta R.T. 0.97 min  
 Lab File: VV014474.D  
 Acq: 01 Feb 2020 00:57

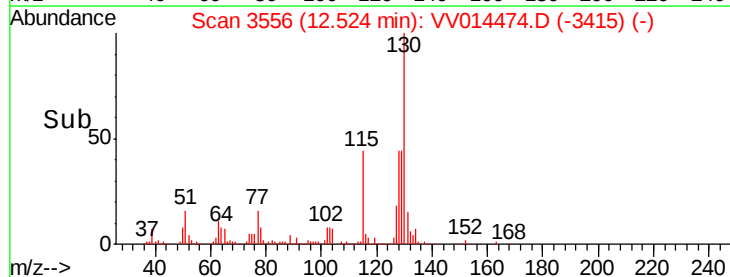
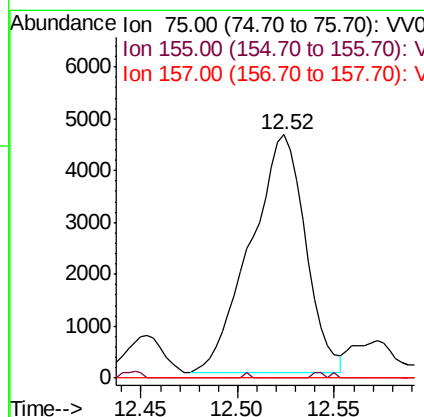
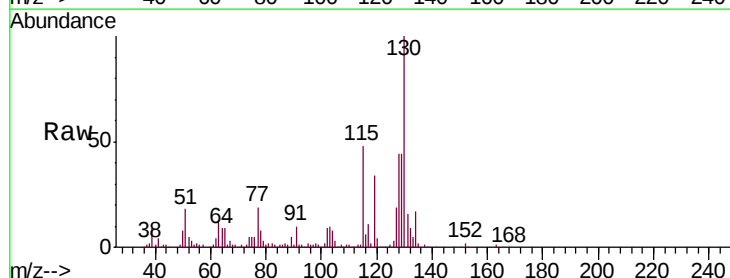
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 GAT49

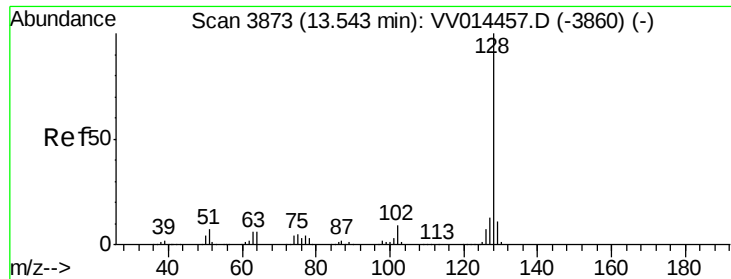
Tgt Ion: 75 Resp: 24404  
 Ion Ratio Lower Upper  
 75 100  
 77 36.5 25.9 38.9



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 9.193 ug/L  
 RT: 12.52 min Scan# 3556  
 Delta R.T. 0.05 min  
 Lab File: VV014474.D  
 Acq: 01 Feb 2020 00:57

Tgt Ion: 75 Resp: 9048  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 64.2 96.2#  
 157 0.0 83.4 125.2#





#69

Naphthalene

Concen: 4.957 ug/L

RT: 13.61 min Scan# 3894

Delta R.T. 0.07 min

Lab File: VV014474.D

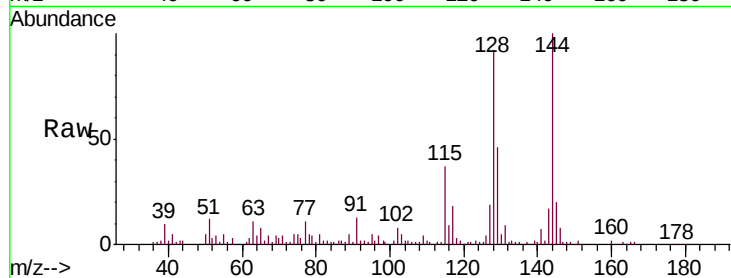
Acq: 01 Feb 2020 00:57

Instrument :

MSVOA\_V

ClientSampleId :

GAT49



Tgt Ion:128 Resp: 60174

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 34.8 8.6 13.0#

