

Data File : VV013705.D  
Acq On : 21 Nov 2019 11:43  
Operator : SY/MD  
Sample : K5910-21DL2 400X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQK4DL2

Quant Time: Nov 22 03:57:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111519WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 22 03:55:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 424665   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 416984   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 214077   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 98519    | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 90339    | 3.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 77.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 137035   | 2.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.20%# |
| 20) 2-Butanone-d5              | 3.95   | 46    | 178454   | 29.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 58.84%  |
| 24) Chloroform-d               | 4.39   | 84    | 198326   | 3.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 68.40%# |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 97283    | 3.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 69.80%# |
| 32) Benzene-d6                 | 5.09   | 84    | 404827   | 3.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 69.60%# |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 119719   | 3.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 69.80%  |
| 41) Toluene-d8                 | 7.35   | 98    | 344794   | 3.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 63.80%# |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 40928    | 3.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 62.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 141225   | 28.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 56.46%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25  | 84    | 80310    | 3.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 64.60%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 150959   | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 73.20%# |

#### Target Compounds

|                               |       |     |        |              | Qvalue |
|-------------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                   | 2.15  | 43  | 7573   | 1.979 ug/L   | 86     |
| 16) Methylene chloride        | 2.53  | 84  | 5229   | 0.148 ug/L   | 82     |
| 25) Chloroform                | 4.42  | 83  | 26402  | 0.349 ug/L   | 99     |
| 27) 1,2-Dichloroethane        | 5.09  | 62  | 2663   | 0.079 ug/L   | 99     |
| 30) Cyclohexane               | 4.72  | 56  | 15565  | 0.310 ug/L   | 98     |
| 33) Benzene                   | 5.14  | 78  | 29831  | 0.236 ug/L   | 100    |
| 35) Methylcyclohexane         | 6.11  | 83  | 30572  | 0.593 ug/L # | 18     |
| 38) Bromodichloromethane      | 6.55  | 83  | 2689   | 0.064 ug/L # | 89     |
| 42) Toluene                   | 7.43  | 91  | 166896 | 1.238 ug/L   | 99     |
| 44) trans-1,3-Dichloropropene | 7.66  | 75  | 1895   | 0.055 ug/L   | 89     |
| 48) 2-Hexanone                | 8.19  | 43  | 11181  | 0.897 ug/L # | 86     |
| 52) Ethylbenzene              | 9.05  | 91  | 174036 | 1.211 ug/L   | 99     |
| 53) m,p-xylene                | 9.17  | 106 | 222664 | 4.107 ug/L   | 96     |
| 54) o-xylene                  | 9.58  | 106 | 48371  | 0.928 ug/L   | 98     |
| 56) Isopropylbenzene          | 9.97  | 105 | 10305  | 0.074 ug/L # | 93     |
| 69) Naphthalene               | 13.55 | 128 | 15842  | 0.237 ug/L   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV112119\  
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 22 03:55:18 2019  
Response via : Initial Calibration

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

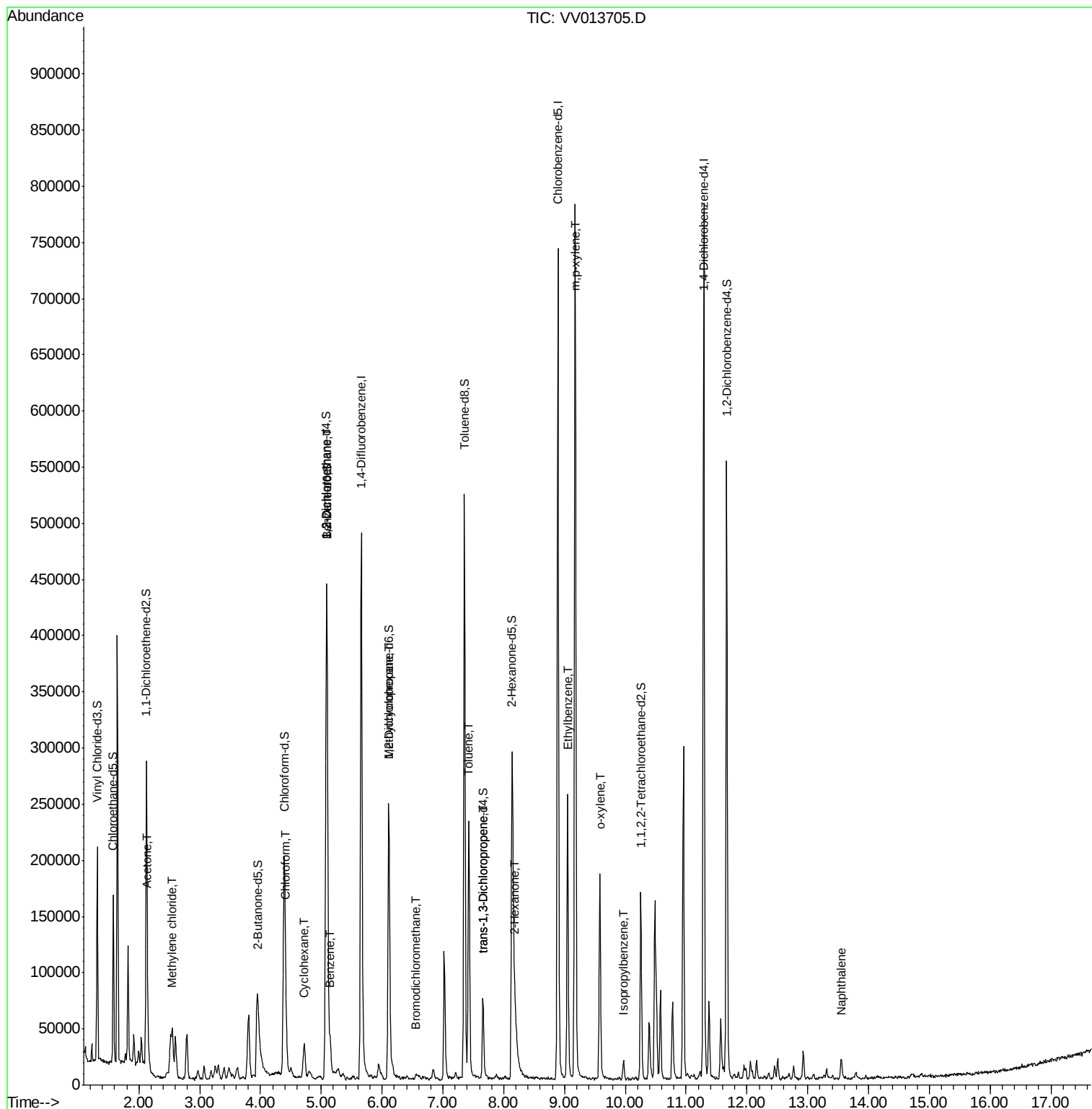
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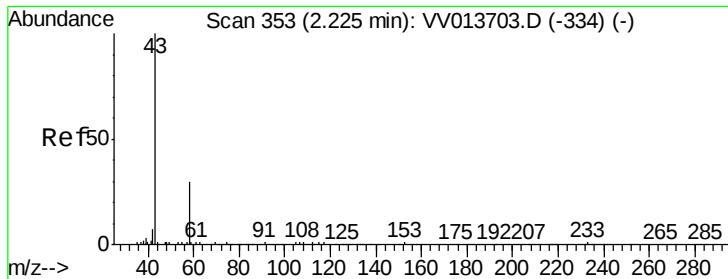
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.979 ug/L

RT: 2.15 min Scan# 329

Delta R.T. -0.08 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Instrument :

MSVOA\_V

ClientSampleId :

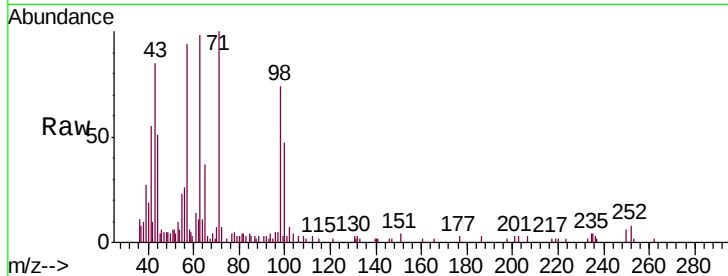
GAQK4DL2

Tgt Ion: 43 Resp: 7573

Ion Ratio Lower Upper

43 100

58 3.4 0.0 17.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.15

4000

3000

2000

1000

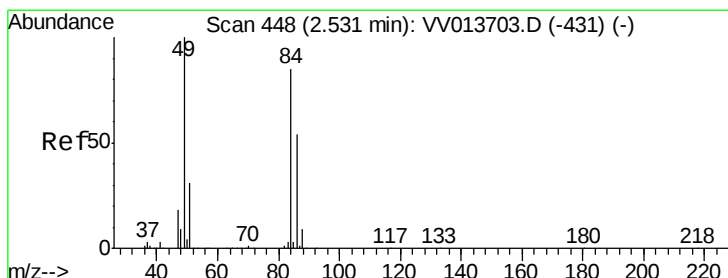
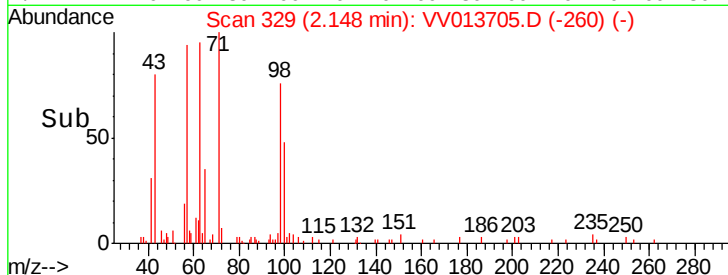
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Time-->

2.10

2.15

2.20



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

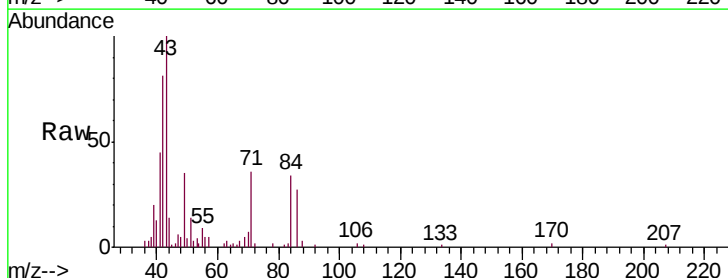
Tgt Ion: 84 Resp: 5229

Ion Ratio Lower Upper

84 100

86 78.7 44.1 81.9

49 101.1 83.4 155.0



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

4000

3000

2000

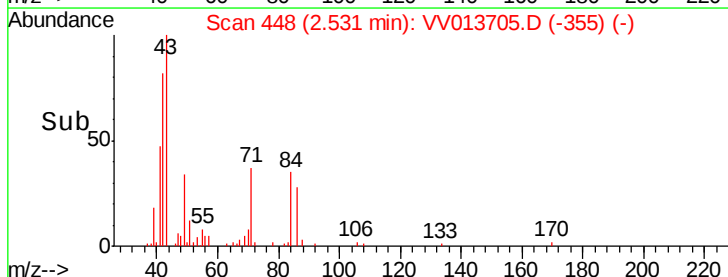
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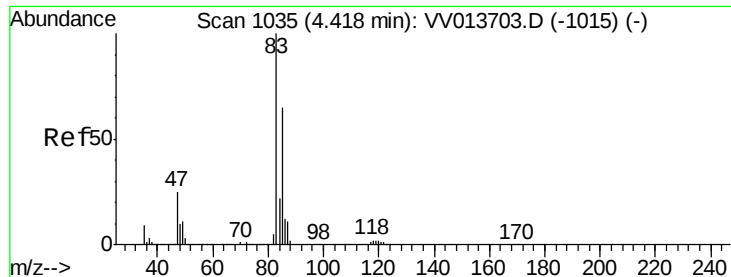
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Time-->

2.50

2.55





#25

Chloroform

Concen: 0.349 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Instrument :

MSVOA\_V

ClientSampleId :

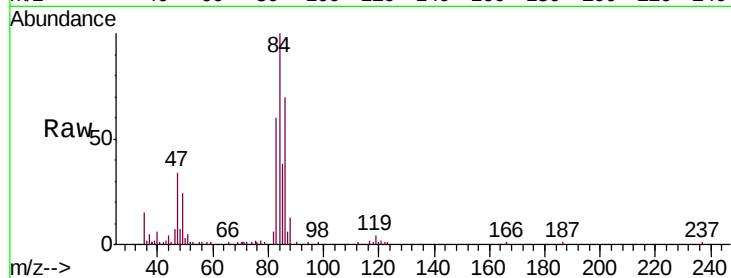
GAQK4DL2

Tgt Ion: 83 Resp: 26402

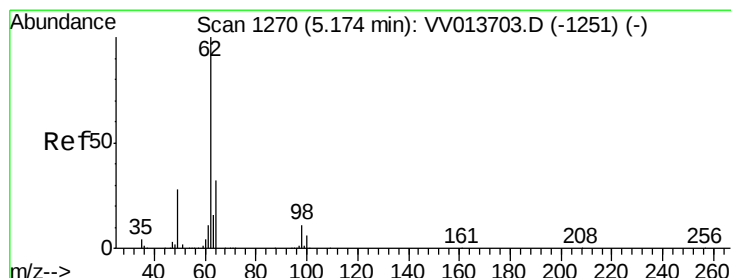
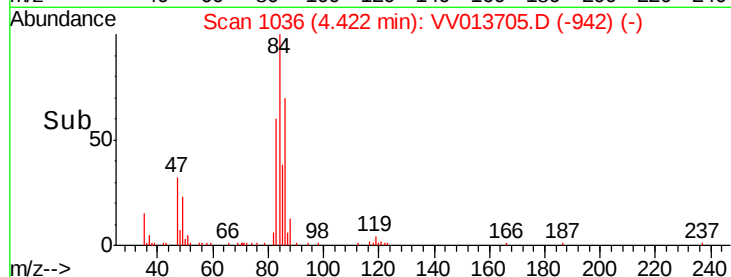
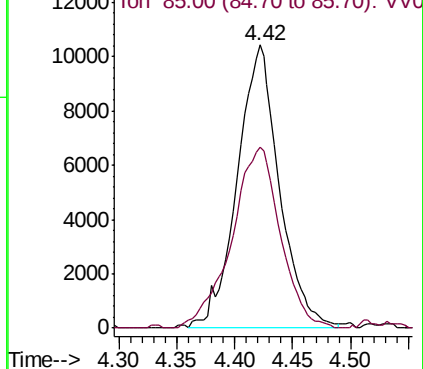
Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV013703.D (-1015) (-)



#27

1,2-Dichloroethane

Concen: 0.079 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.08 min

Lab File: VV013705.D

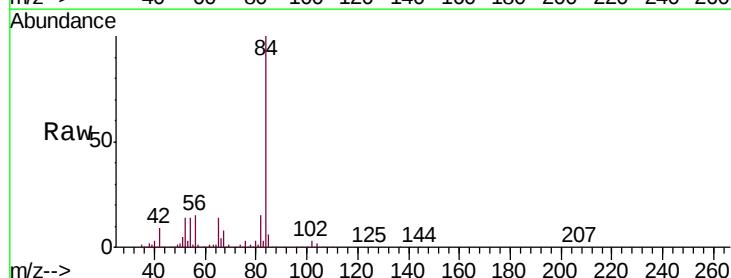
Acq: 21 Nov 2019 11:43

Tgt Ion: 62 Resp: 2663

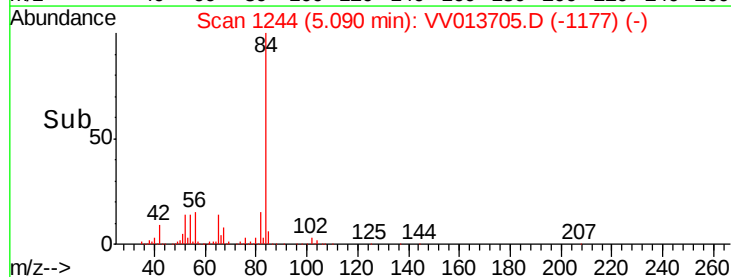
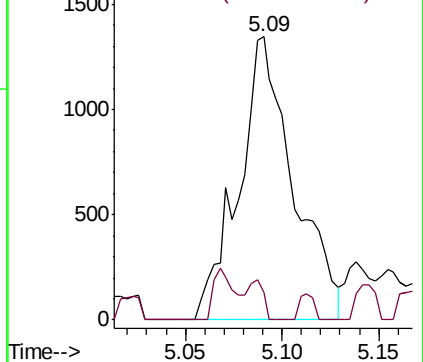
Ion Ratio Lower Upper

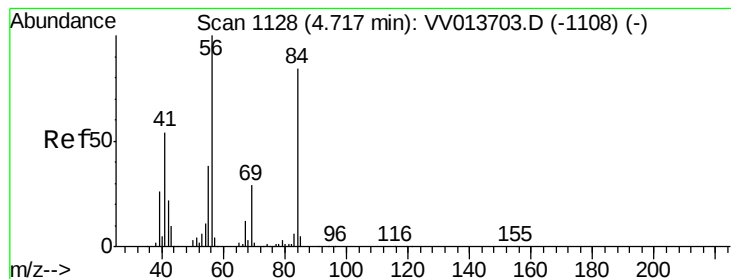
62 100

98 9.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013703.D (-1251) (-)





#30

Cyclohexane

Concen: 0.310 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Instrument :

MSVOA\_V

ClientSampleId :

GAQK4DL2

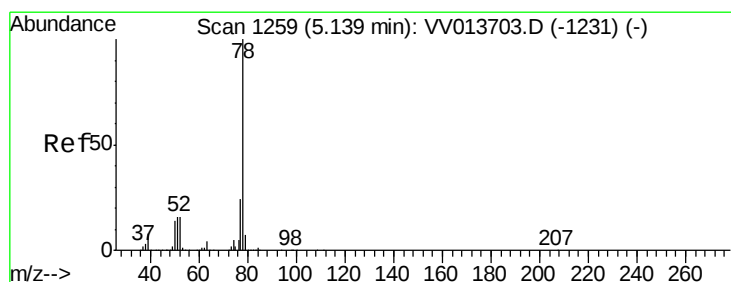
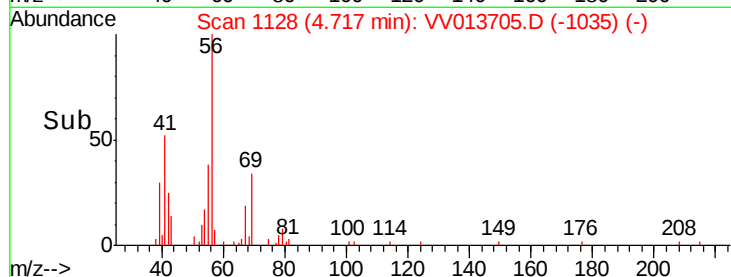
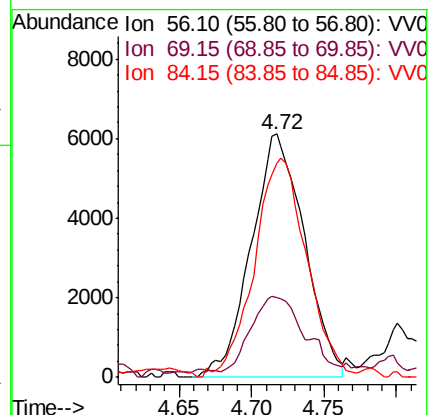
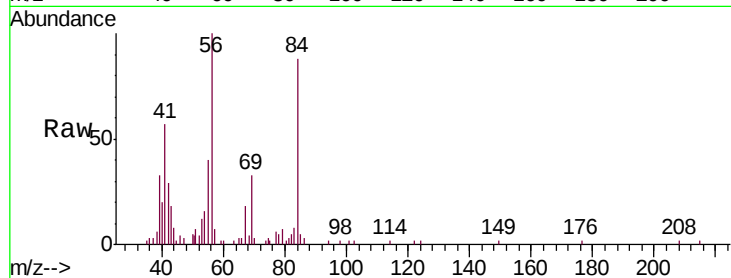
Tgt Ion: 56 Resp: 15565

Ion Ratio Lower Upper

56 100

69 30.0 23.8 35.8

84 88.9 69.1 103.7



#33

Benzene

Concen: 0.236 ug/L

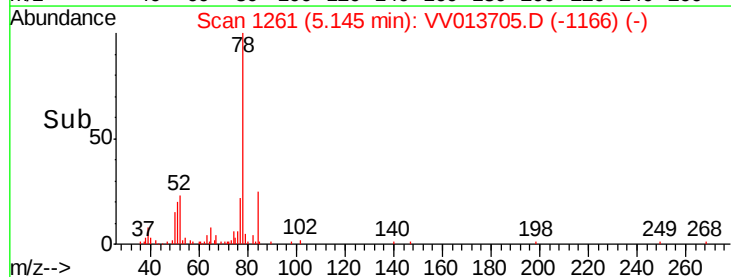
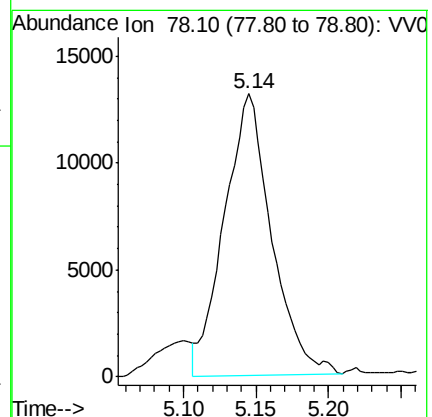
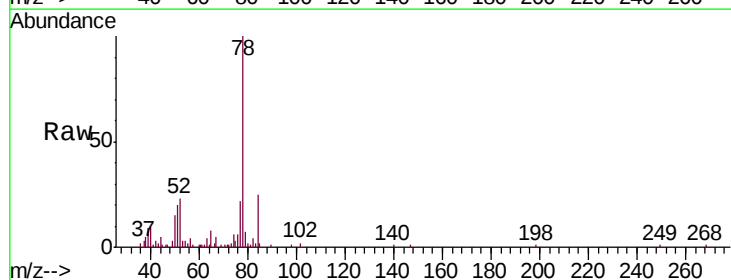
RT: 5.14 min Scan# 1261

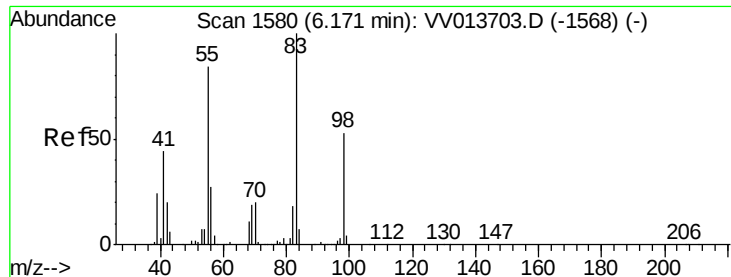
Delta R.T. 0.01 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Tgt Ion: 78 Resp: 29831

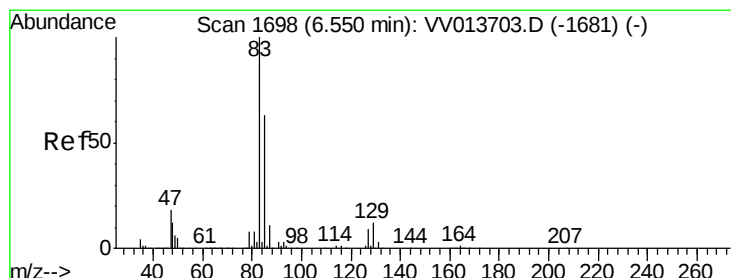
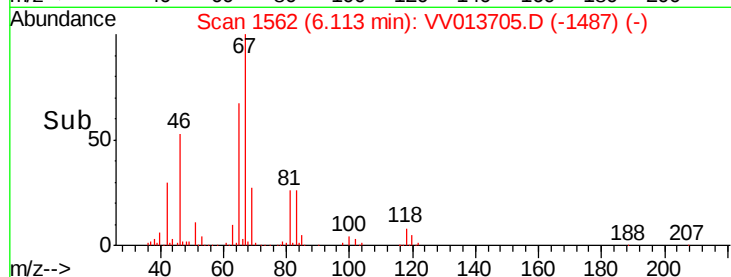
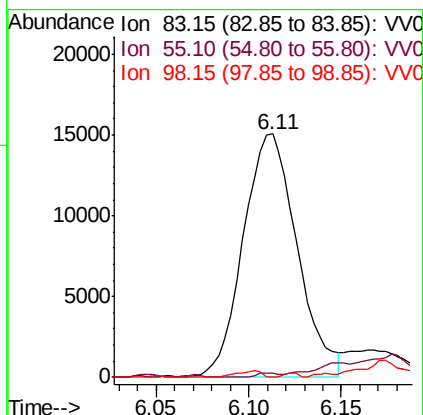
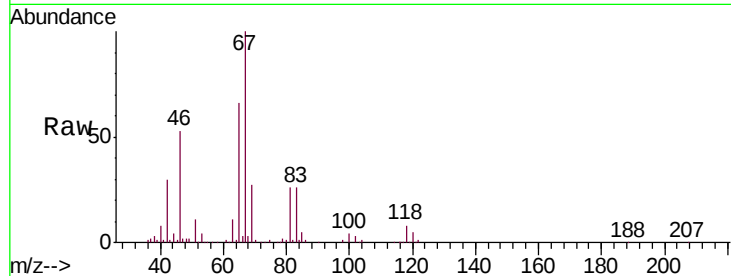




#35  
Methylcyclohexane  
Concen: 0.593 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.06 min  
Lab File: VV013705.D  
Acq: 21 Nov 2019 11:43

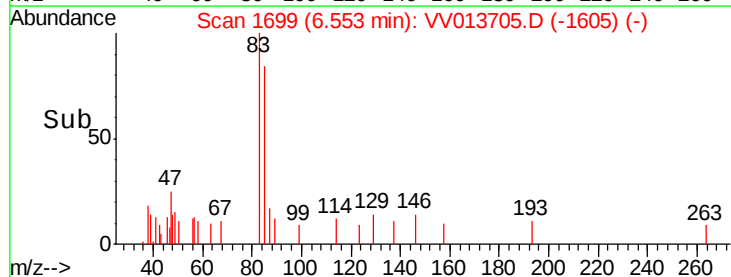
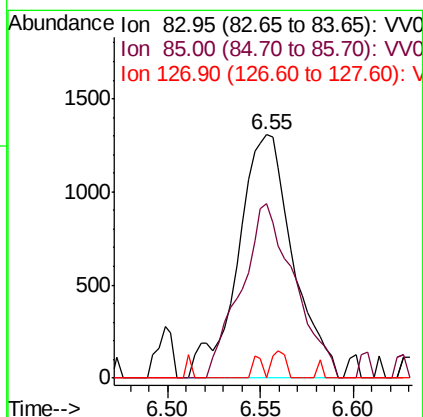
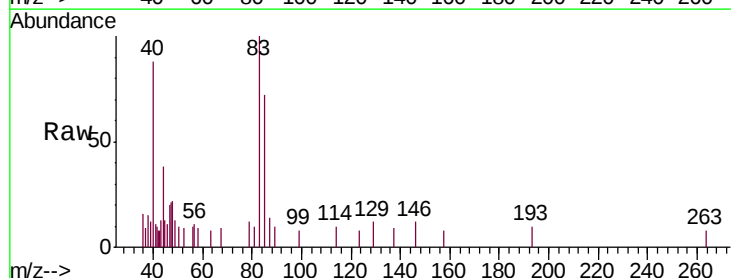
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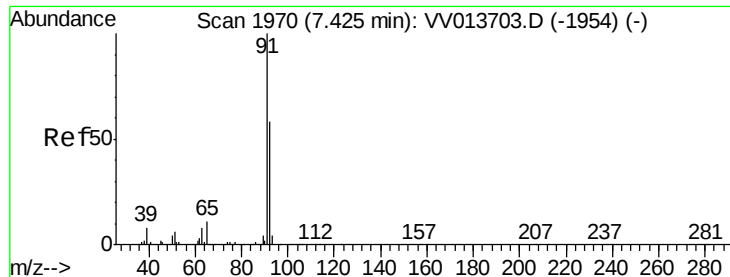
Tgt Ion: 83 Resp: 30572  
Ion Ratio Lower Upper  
83 100  
55 0.7 64.1 96.1#  
98 1.2 38.2 57.2#



#38  
Bromodichloromethane  
Concen: 0.064 ug/L  
RT: 6.55 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VV013705.D  
Acq: 21 Nov 2019 11:43

Tgt Ion: 83 Resp: 2689  
Ion Ratio Lower Upper  
83 100  
85 71.7 44.9 83.5  
127 0.0 7.0 10.6#





#42

Toluene

Concen: 1.238 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Instrument :

MSVOA\_V

ClientSampleId :

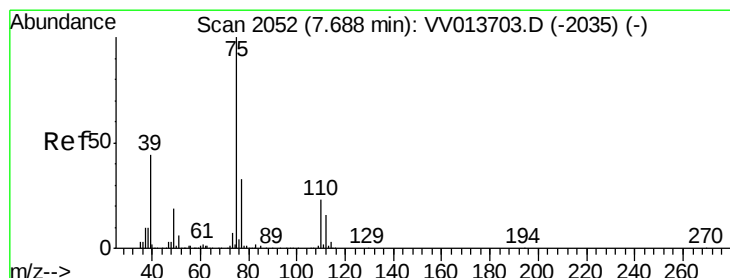
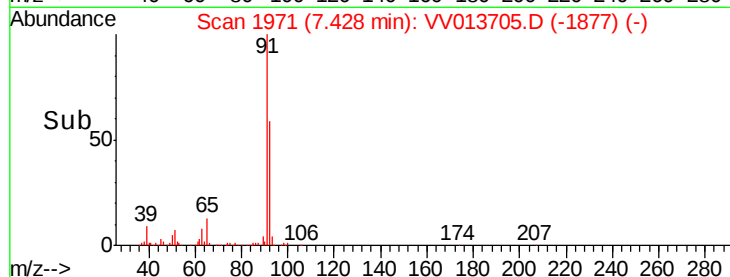
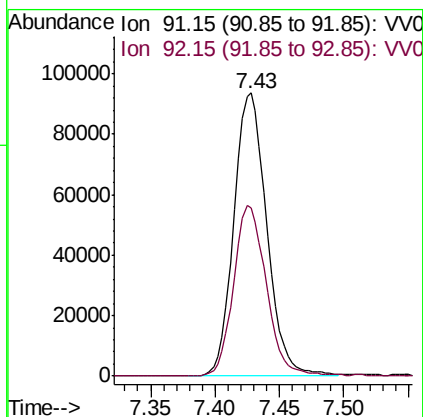
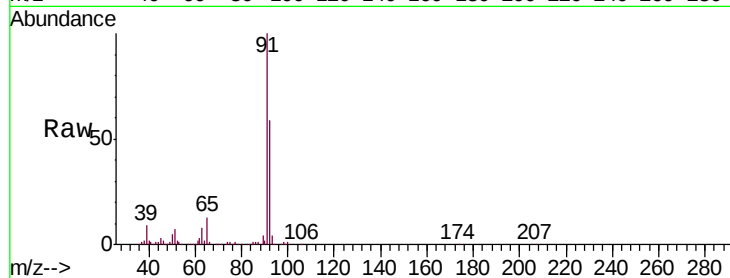
GAQK4DL2

Tgt Ion: 91 Resp: 166896

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.055 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013705.D

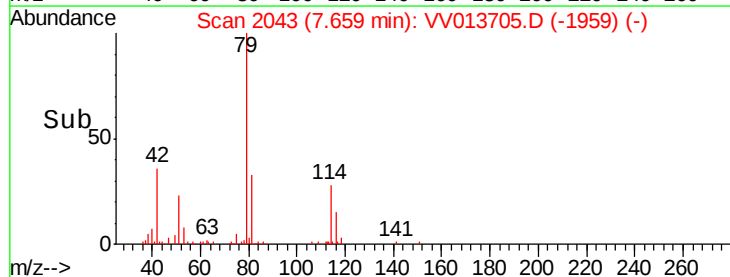
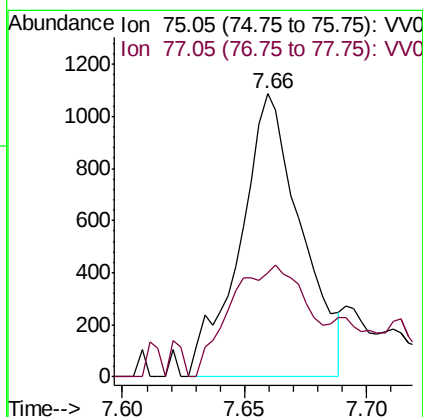
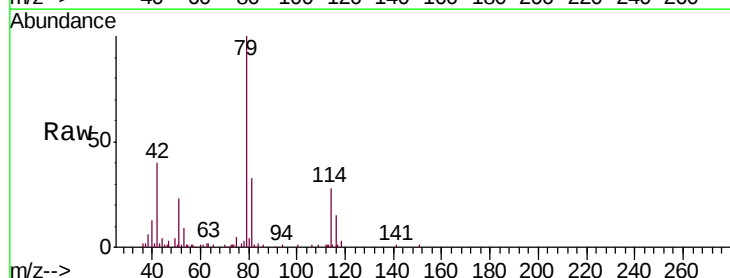
Acq: 21 Nov 2019 11:43

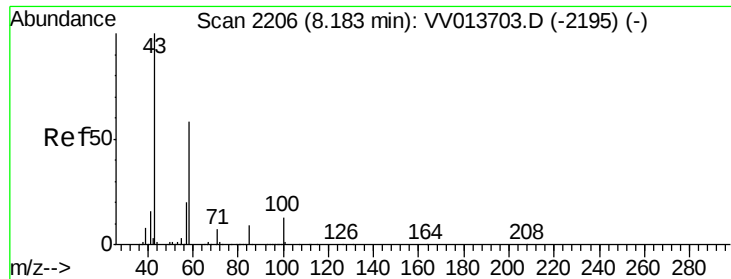
Tgt Ion: 75 Resp: 1895

Ion Ratio Lower Upper

75 100

77 37.0 21.6 40.2

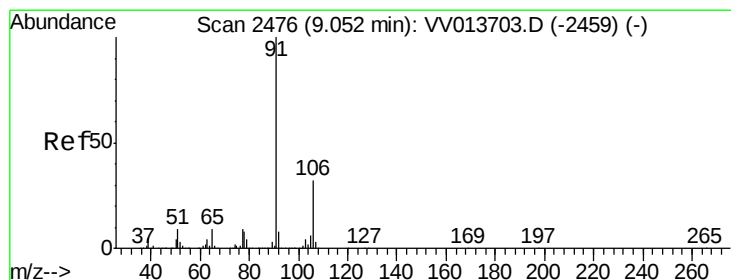
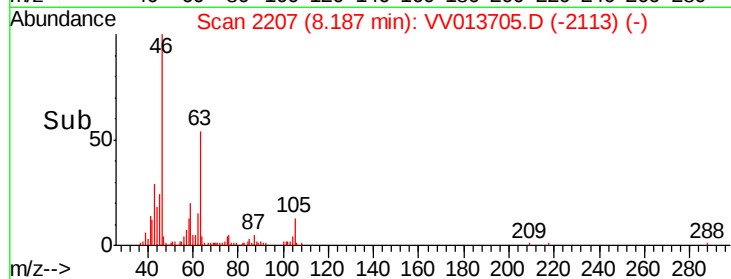
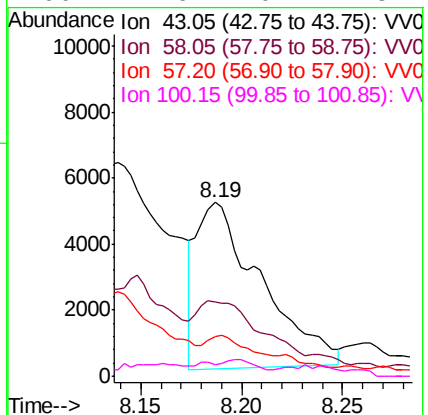
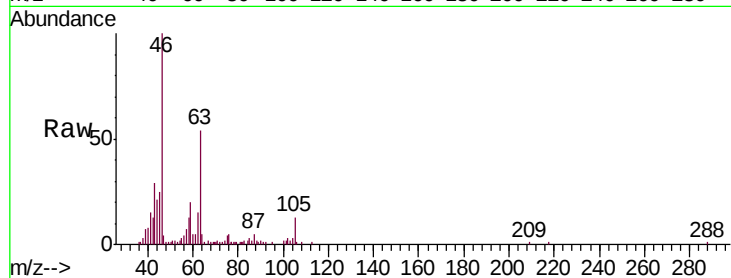




#48  
2-Hexanone  
Concen: 0.897 ug/L  
RT: 8.19 min Scan# 2207  
Delta R.T. 0.00 min  
Lab File: VV013705.D  
Acq: 21 Nov 2019 11:43

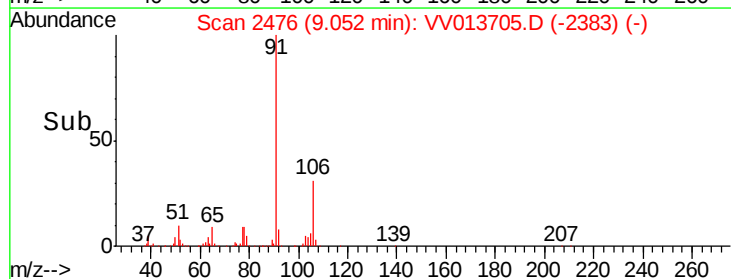
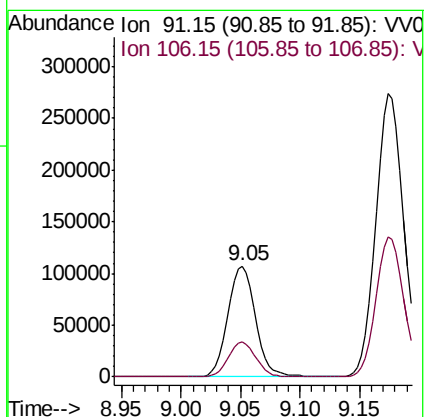
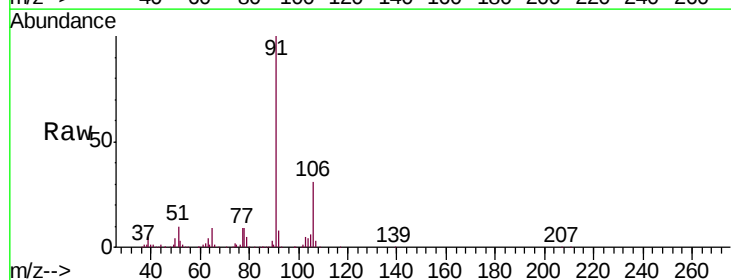
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MSVOA\_V  
ClientSampleID :  
GAQK4DL2

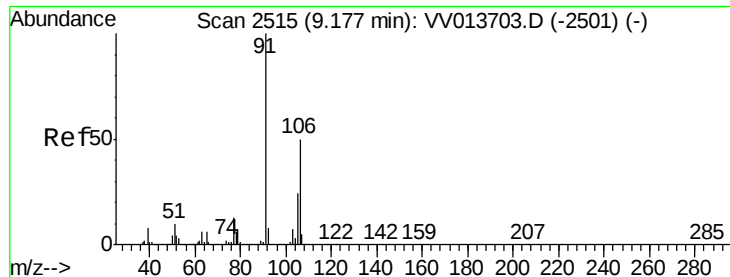
Tgt Ion: 43 Resp: 11181  
Ion Ratio Lower Upper  
43 100  
58 43.7 43.0 64.6  
57 16.5 15.4 23.2  
100 1.6 10.1 15.1#



#52  
Ethylbenzene  
Concen: 1.211 ug/L  
RT: 9.05 min Scan# 2476  
Delta R.T. 0.00 min  
Lab File: VV013705.D  
Acq: 21 Nov 2019 11:43

Tgt Ion: 91 Resp: 174036  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.7 40.3





#53

m,p-xylene

Concen: 4.107 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Instrument :

MSVOA\_V

ClientSampleId :

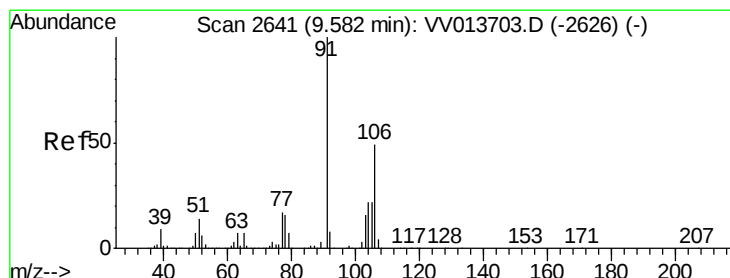
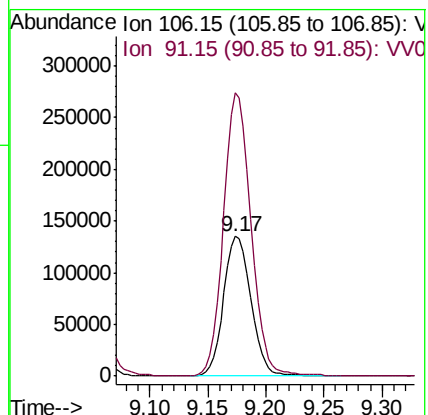
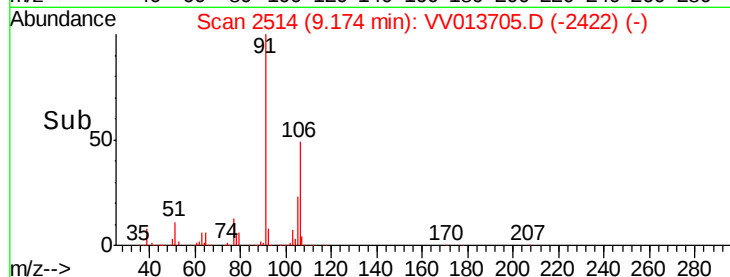
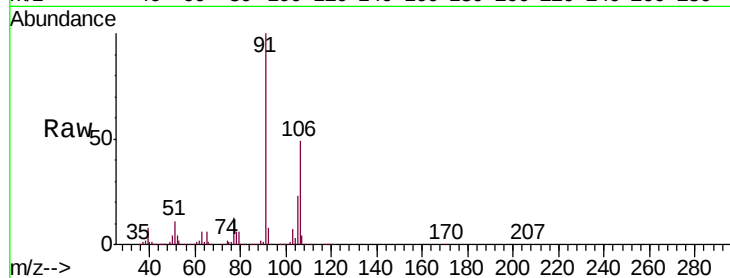
GAQK4DL2

Tgt Ion:106 Resp: 222664

Ion Ratio Lower Upper

106 100

91 203.0 138.1 256.5



#54

o-xylene

Concen: 0.928 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013705.D

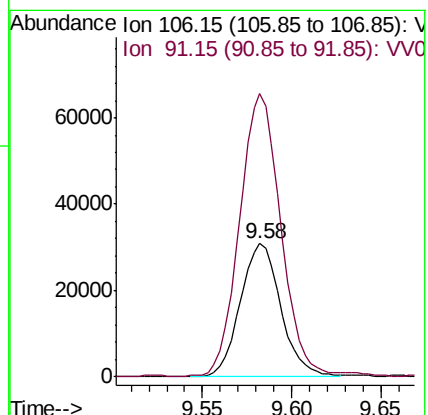
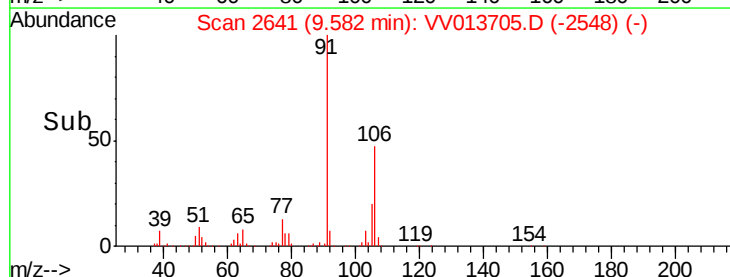
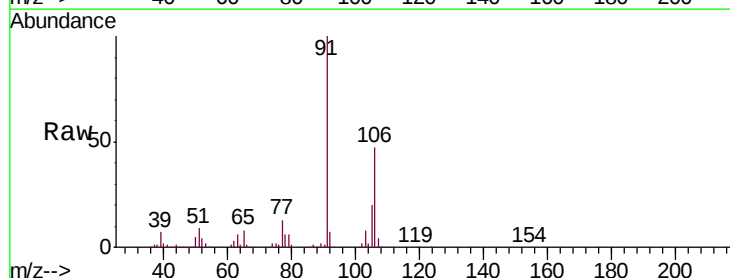
Acq: 21 Nov 2019 11:43

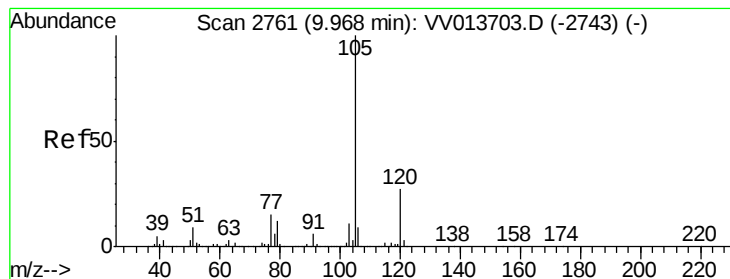
Tgt Ion:106 Resp: 48371

Ion Ratio Lower Upper

106 100

91 212.5 146.9 272.7





#56

Isopropylbenzene

Concen: 0.074 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

Instrument :

MSVOA\_V

ClientSampleId :

GAQK4DL2

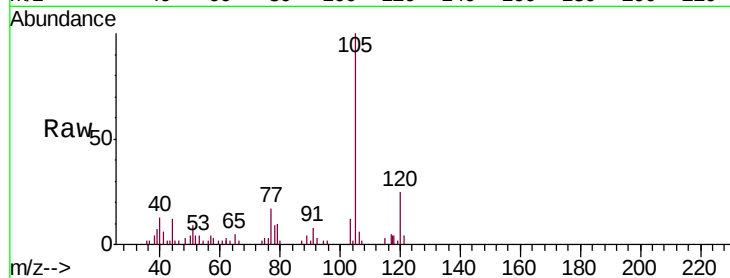
Tgt Ion:105 Resp: 10305

Ion Ratio Lower Upper

105 100

120 29.7 21.2 31.8

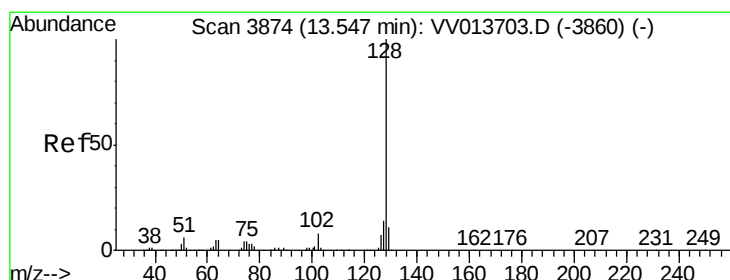
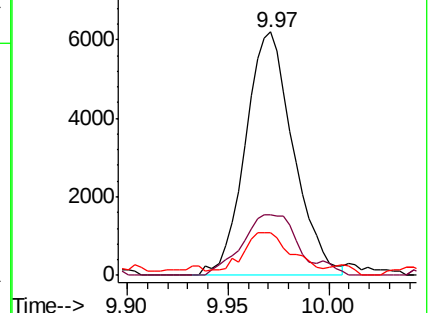
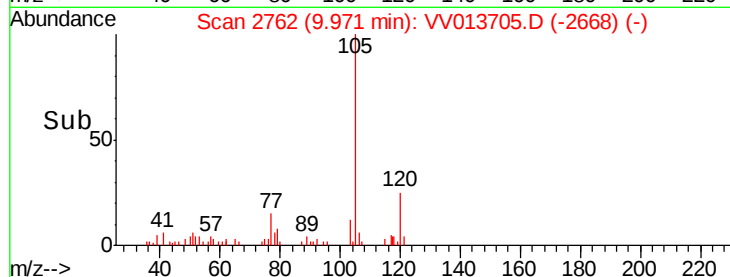
77 18.4 11.9 17.9#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#69

Naphthalene

Concen: 0.237 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013705.D

Acq: 21 Nov 2019 11:43

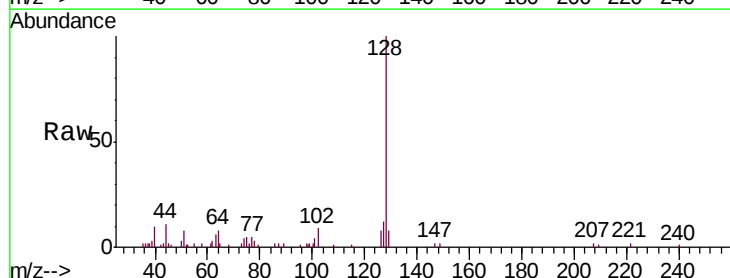
Tgt Ion:128 Resp: 15842

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

