

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO010621\  
 Data File : VX020511.D  
 Acq On : 06 Jan 2021 10:12  
 Operator : JC/MD  
 Sample : VX0106WBL01  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 07 01:48:06 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXTR010521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 07 01:47:26 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.82  | 114  | 152834   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.09 | 117  | 155254   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 64804    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 59390    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.60%  |
| 7) Chloroethane-d5             | 1.69   | 69    | 55960    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.00% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 92993    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%  |
| 20) 2-Butanone-d5              | 4.54   | 46    | 137039   | 51.44    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.88% |
| 24) Chloroform-d               | 5.13   | 84    | 120698   | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60% |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 60391    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.80% |
| 32) Benzene-d6                 | 6.04   | 84    | 243085   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 36) 1,2-Dichloropropane-d6     | 7.36   | 67    | 73509    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.40%  |
| 41) Toluene-d8                 | 8.69   | 98    | 201190   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40%  |
| 43) trans-1,3-Dichloropropene- | 8.99   | 79    | 24520    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.20%  |
| 46) 2-Hexanone-d5              | 9.43   | 63    | 116251   | 48.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.48%  |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 52456    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.60%  |
| 66) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 70892    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.20% |

## Target Compounds

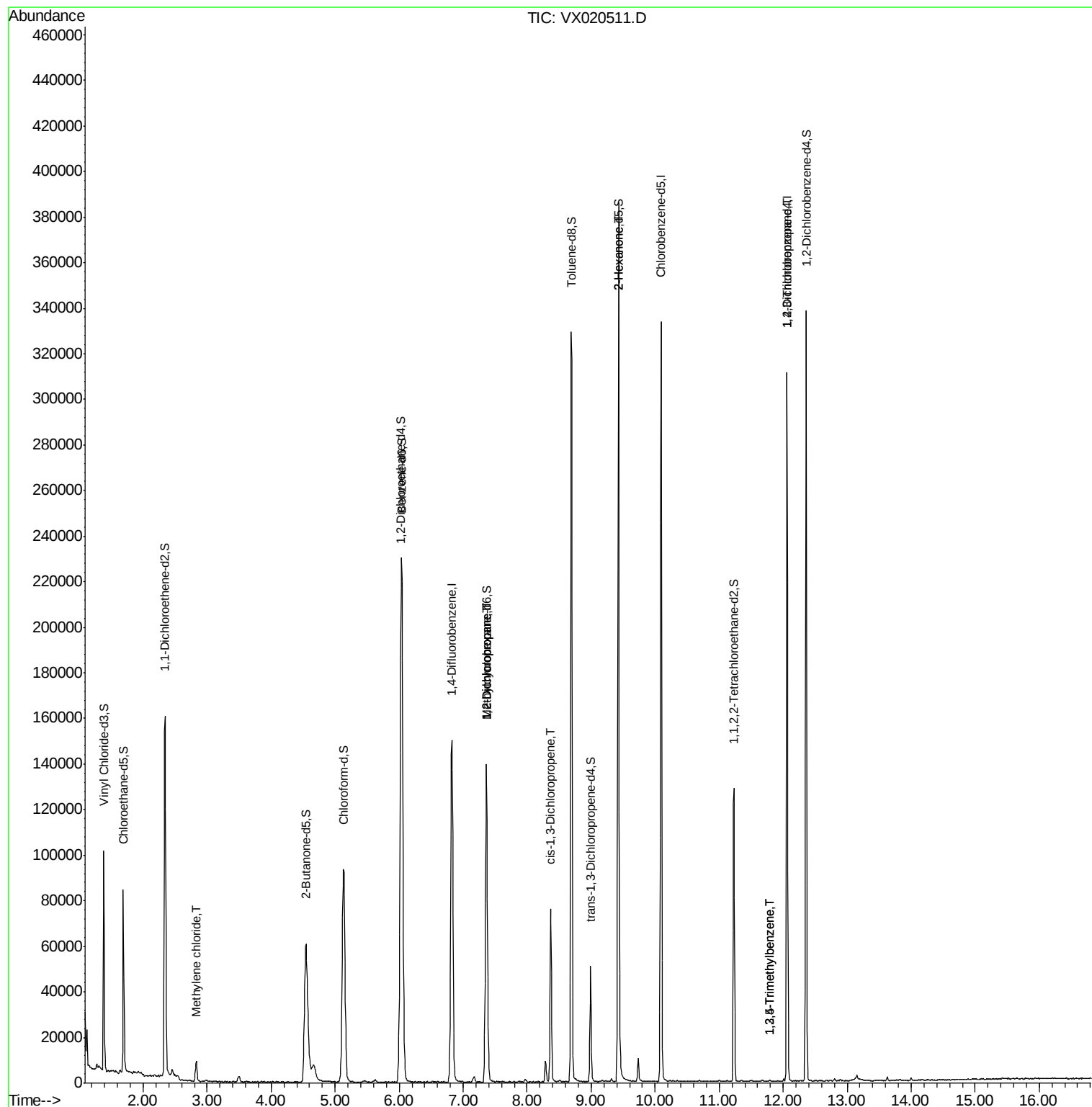
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 16) Methylene chloride      | 2.83  | 84  | 3926  | 0.280 ug/L   | 95     |
| 35) Methylcyclohexane       | 7.36  | 83  | 17949 | 0.866 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 7.37  | 63  | 7882  | 0.603 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 8.37  | 75  | 1776  | 0.100 ug/L # | 66     |
| 48) 2-Hexanone              | 9.42  | 43  | 13477 | 3.052 ug/L # | 64     |
| 61) 1,2,3-Trichloropropane  | 12.06 | 75  | 7460  | 1.193 ug/L # | 66     |
| 62) 1,3,5-Trimethylbenzene  | 11.79 | 105 | 361   | 0.010 ug/L   | 87     |
| 63) 1,2,4-Trimethylbenzene  | 11.79 | 105 | 361   | 0.010 ug/L   | 91     |

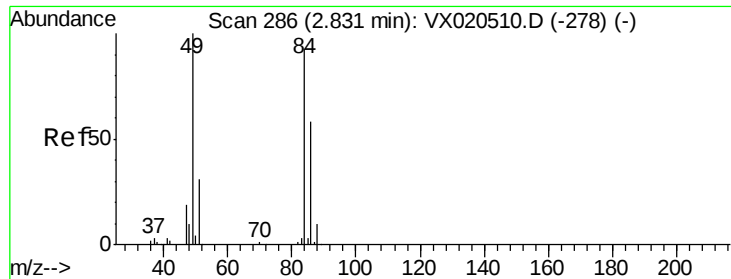
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010621\  
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Operator : JC/MD  
Sample : VX0106WBL01  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 07 01:48:06 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXTR010521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 07 01:47:26 2021  
Response via : Initial Calibration

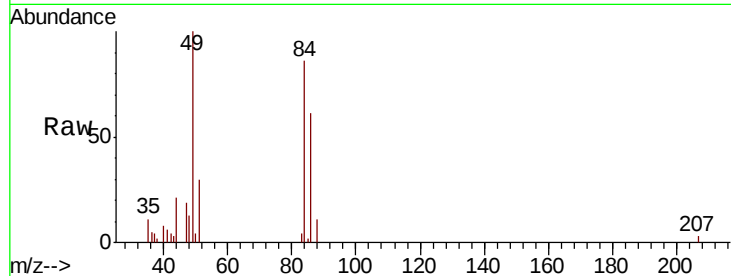




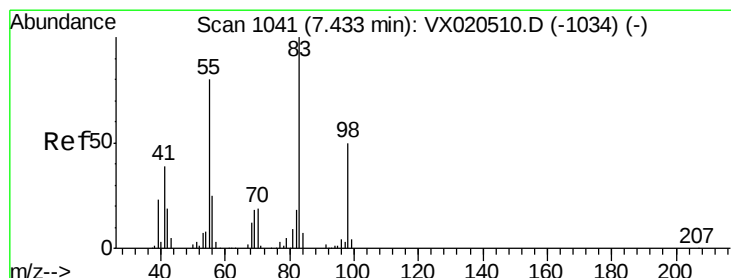
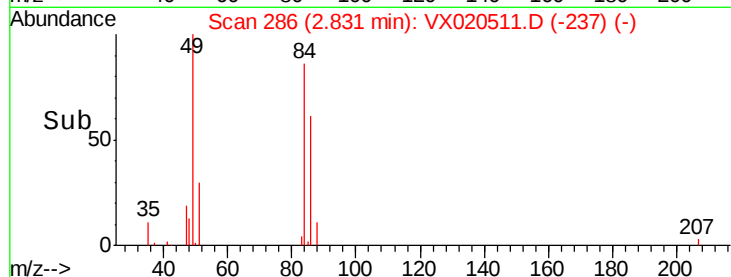
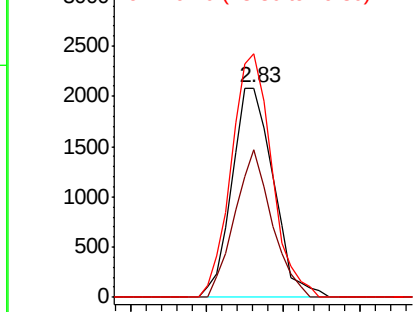
#16  
Methylene chloride  
Concen: 0.280 ug/L  
RT: 2.83 min Scan# 286  
Delta R.T. 0.00 min  
Lab File: VX020511.D  
Acq: 06 Jan 2021 10:12

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 84 Resp: 3926  
Ion Ratio Lower Upper  
84 100  
86 70.7 44.6 82.8  
49 116.4 79.5 147.6

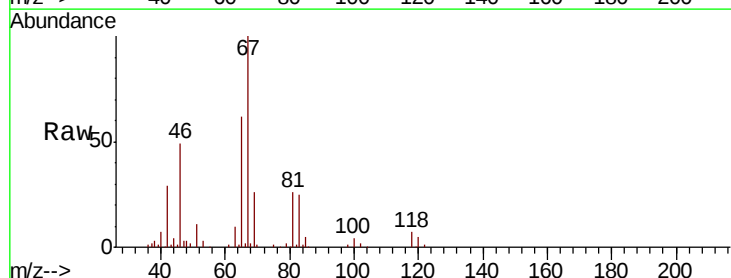


Abundance Ion 84.05 (83.75 to 84.75): VX0  
Ion 86.00 (85.70 to 86.70): VX0  
Ion 49.10 (48.80 to 49.80): VX0

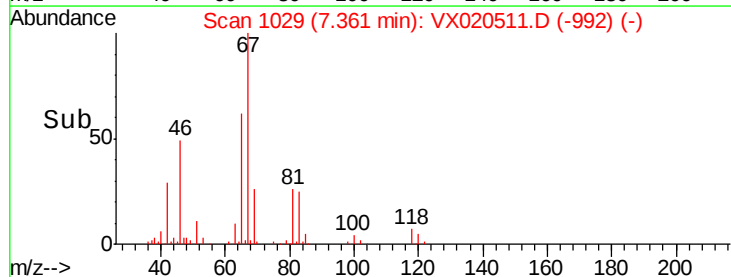
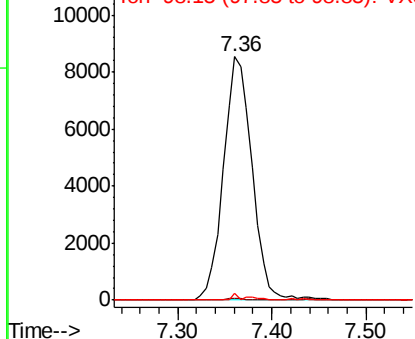


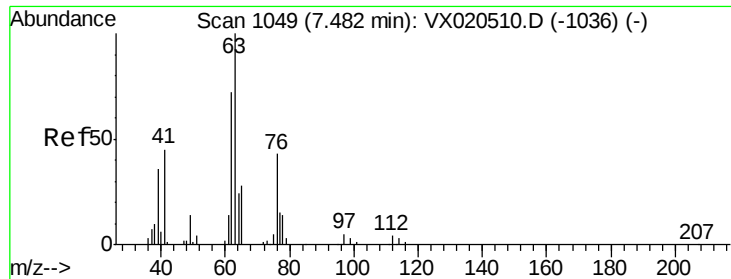
#35  
Methylcyclohexane  
Concen: 0.866 ug/L  
RT: 7.36 min Scan# 1029  
Delta R.T. -0.07 min  
Lab File: VX020511.D  
Acq: 06 Jan 2021 10:12

Tgt Ion: 83 Resp: 17949  
Ion Ratio Lower Upper  
83 100  
55 0.4 63.4 95.0#  
98 0.7 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VX0  
Ion 55.10 (54.80 to 55.80): VX0  
Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 0.603 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX020511.D

Acq: 06 Jan 2021 10:12

Instrument :

MSVOA\_X

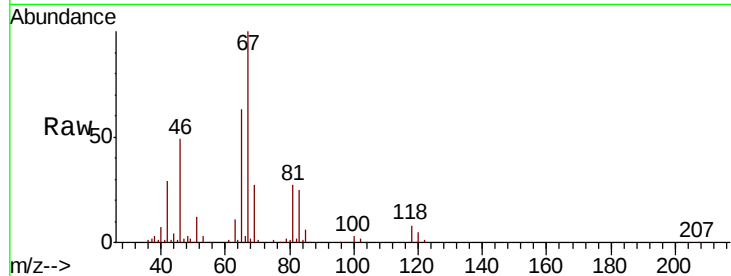
ClientSampleId :

Tot Ion: 63 Resp: 7882

Ion Ratio Lower Upper

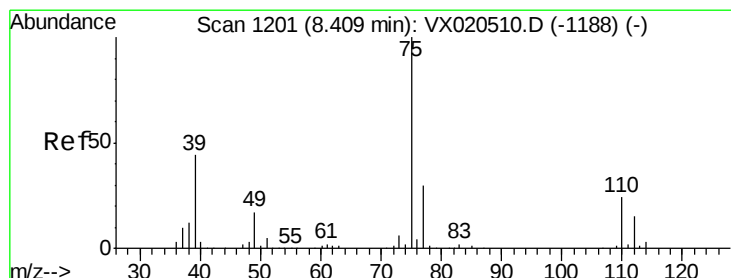
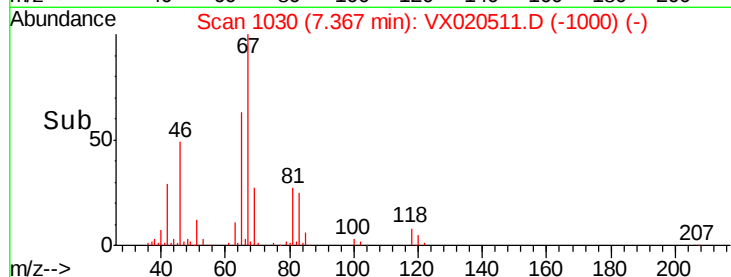
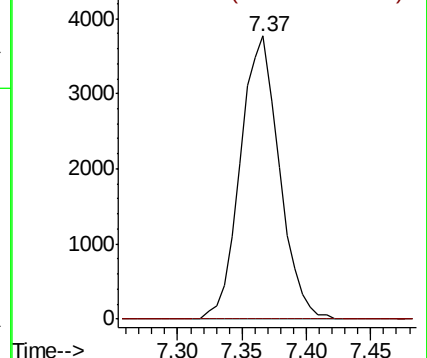
63 100

112 0.0 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 8.37 min Scan# 1194

Delta R.T. -0.04 min

Lab File: VX020511.D

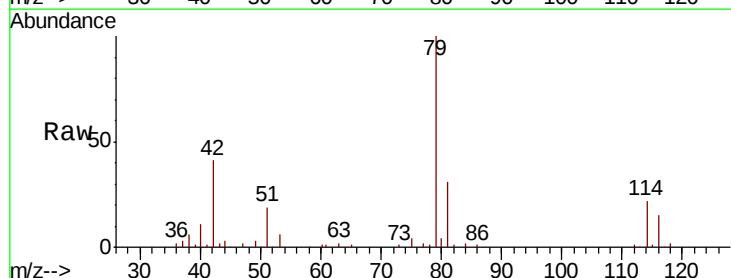
Acq: 06 Jan 2021 10:12

Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

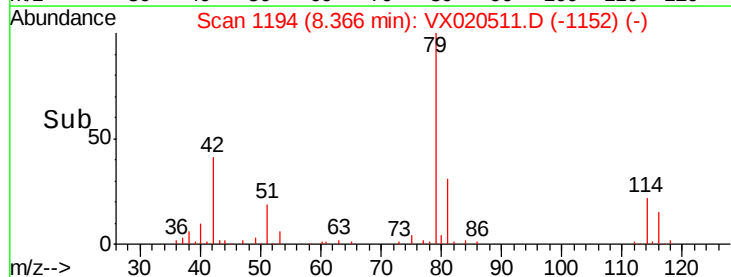
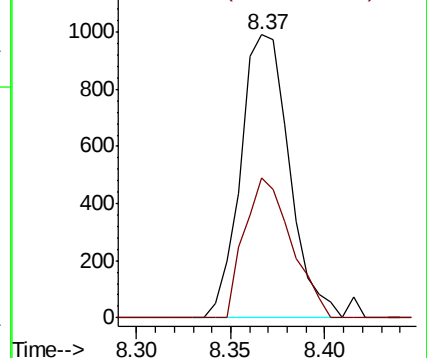
75 100

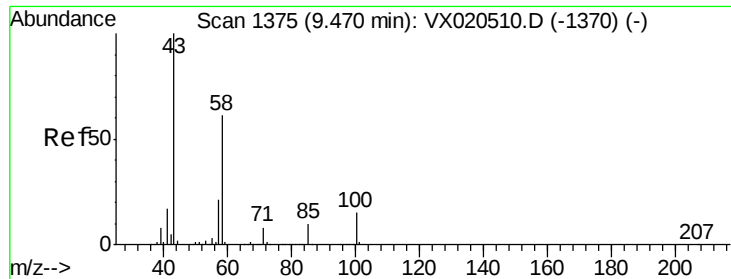
77 49.5 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

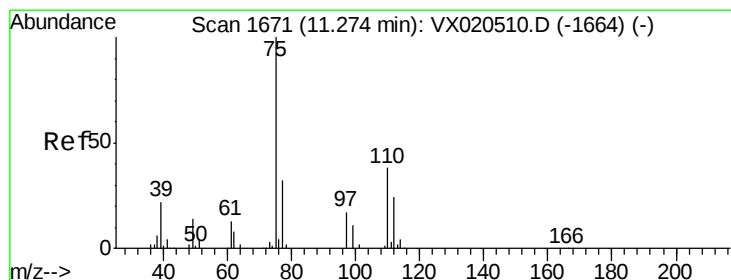
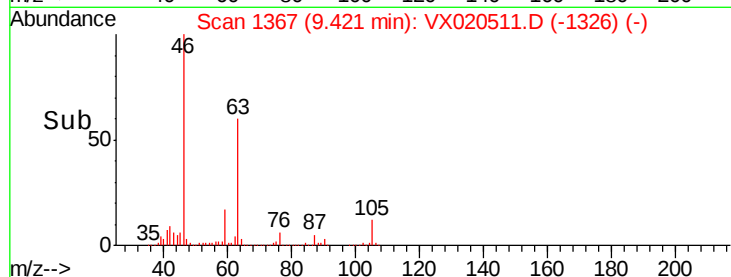
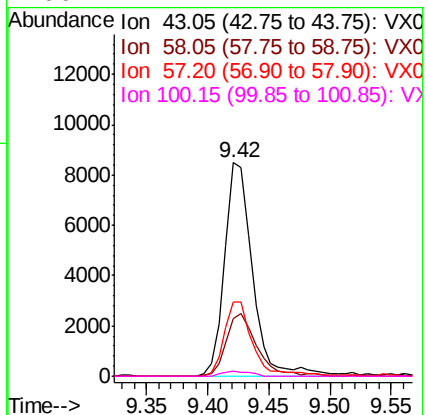
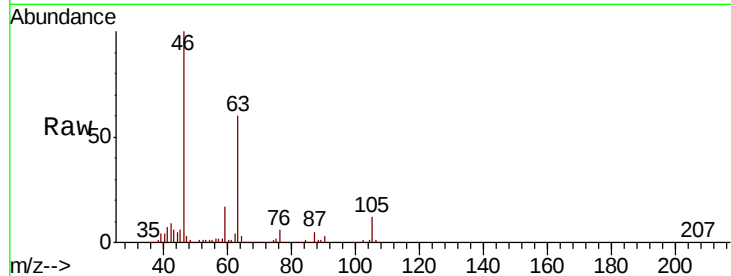




#48  
2-Hexanone  
Concen: 3.052 ug/L  
RT: 9.42 min Scan# 1367  
Delta R.T. -0.05 min  
Lab File: VX020511.D  
Acq: 06 Jan 2021 10:12

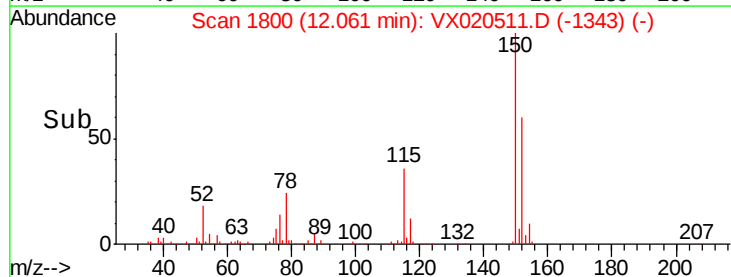
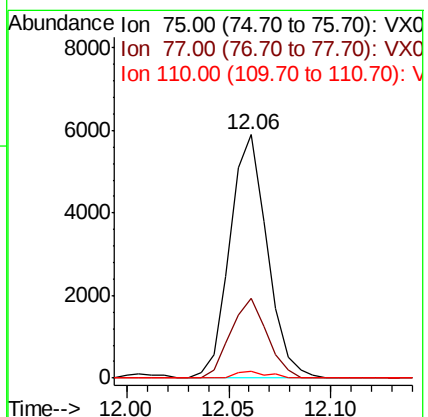
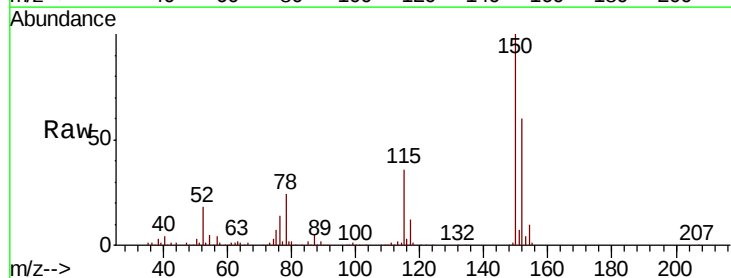
Instrument :  
MSVOA\_X  
ClientSampleId :

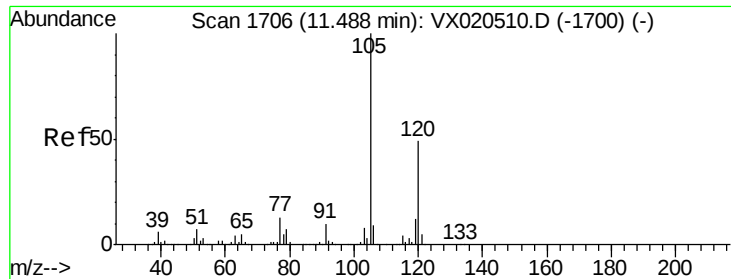
Tot Ion: 43 Resp: 13477  
Ion Ratio Lower Upper  
43 100  
58 31.7 48.8 73.2#  
57 35.6 16.6 25.0#  
100 2.4 11.4 17.2#



#61  
1,2,3-Trichloropropane  
Concen: 1.193 ug/L  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.79 min  
Lab File: VX020511.D  
Acq: 06 Jan 2021 10:12

Tgt Ion: 75 Resp: 7460  
Ion Ratio Lower Upper  
75 100  
77 31.8 26.3 39.5  
110 2.3 32.1 48.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.010 ug/L

RT: 11.79 min Scan# 1755

Delta R.T. 0.30 min

Lab File: VX020511.D

Acq: 06 Jan 2021 10:12

Instrument :

MSVOA\_X

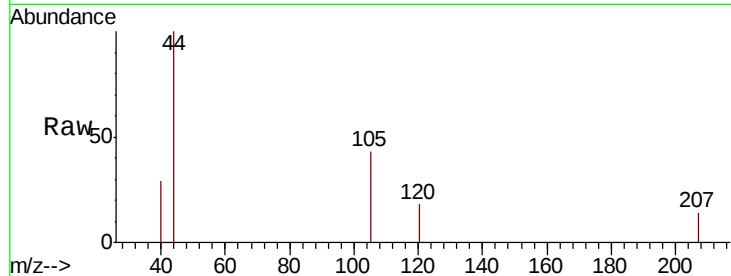
ClientSampled :

Tot Ion:105 Resp: 361

Ion Ratio Lower Upper

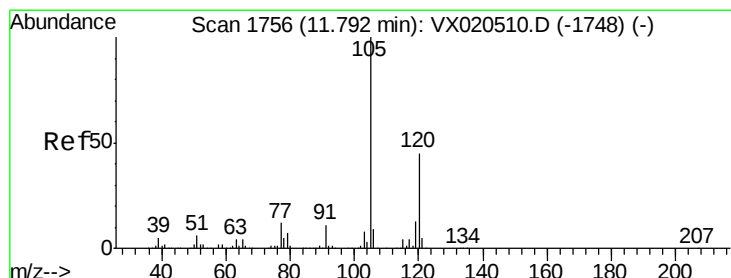
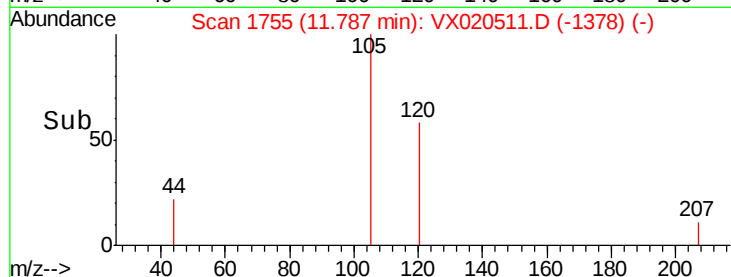
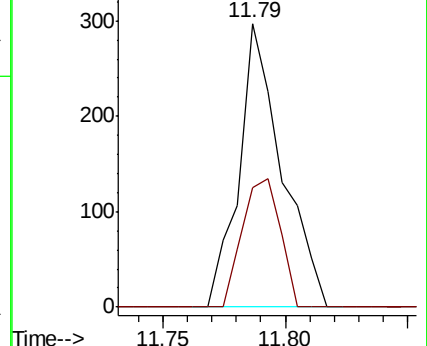
105 100

120 39.9 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.010 ug/L

RT: 11.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VX020511.D

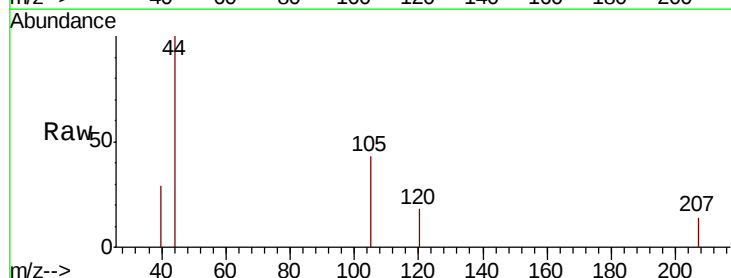
Acq: 06 Jan 2021 10:12

Tgt Ion:105 Resp: 361

Ion Ratio Lower Upper

105 100

120 39.9 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

