

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110120\  
 Data File : VX019199.D  
 Acq On : 30 Oct 2020 10:58  
 Operator : JC/MD  
 Sample : VX1101WBL07  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VBLK308

Quant Time: Oct 30 15:03:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXTR102920WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 30 08:55:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 196249   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 172410   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 79680    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 60548    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.40%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 51617    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 90936    | 3.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.40%  |
| 20) 2-Butanone-d5              | 4.56   | 46    | 147809   | 53.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.54% |
| 24) Chloroform-d               | 5.14   | 84    | 116785   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 64774    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%  |
| 32) Benzene-d6                 | 6.04   | 84    | 240209   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 69887    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.00% |
| 41) Toluene-d8                 | 8.70   | 98    | 221279   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.60%  |
| 43) trans-1,3-Dichloropropene- | 8.99   | 79    | 29008    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.20% |
| 46) 2-Hexanone-d5              | 9.43   | 63    | 137580   | 54.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 109.66% |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 52064    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.00% |
| 66) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 75901    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.60% |

## Target Compounds

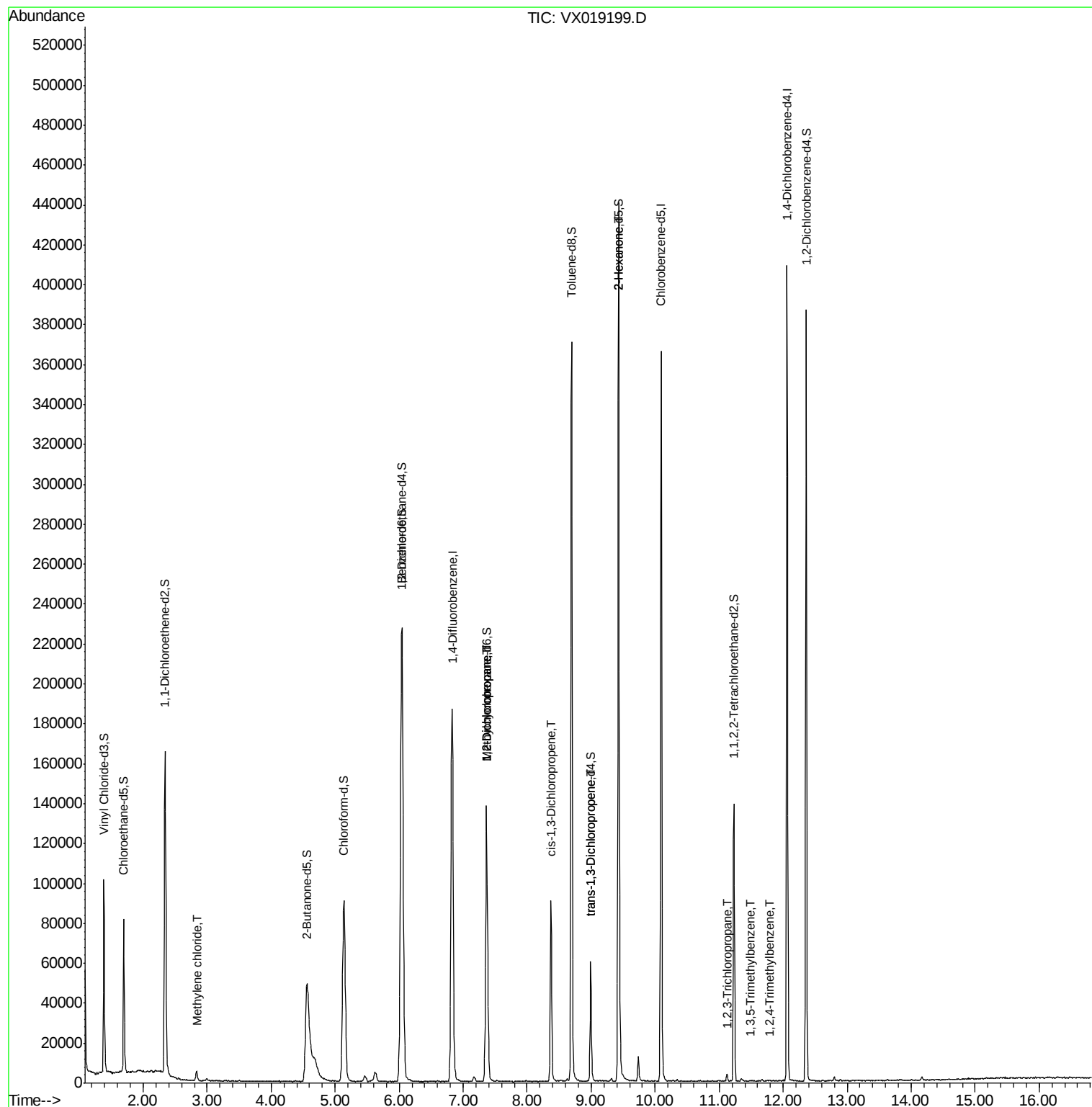
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 16) Methylene chloride        | 2.83  | 84   | 2252     | 0.150 | ug/L   | 92     |
| 35) Methylcyclohexane         | 7.37  | 83   | 17642    | 0.777 | ug/L # | 20     |
| 37) 1,2-Dichloropropane       | 7.37  | 63   | 8000     | 0.661 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene   | 8.37  | 75   | 2217     | 0.119 | ug/L # | 63     |
| 44) trans-1,3-Dichloropropene | 8.99  | 75   | 1404     | 0.090 | ug/L   | 88     |
| 48) 2-Hexanone                | 9.43  | 43   | 15645    | 3.460 | ug/L # | 64     |
| 61) 1,2,3-Trichloropropane    | 11.12 | 75   | 621      | 0.087 | ug/L # | 38     |
| 62) 1,3,5-Trimethylbenzene    | 11.49 | 105  | 135      | 0.003 | ug/L # | 28     |
| 63) 1,2,4-Trimethylbenzene    | 11.79 | 105  | 230      | 0.005 | ug/L # | 31     |

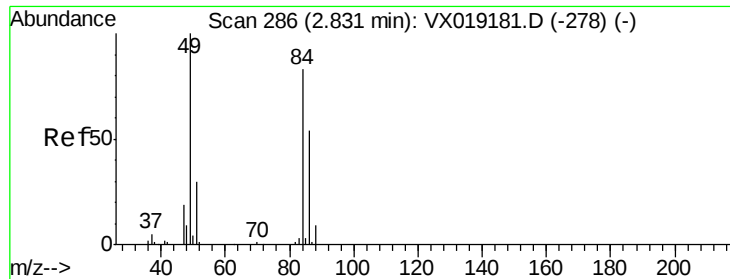
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Oct 30 08:55:33 2020  
Response via : Initial Calibration

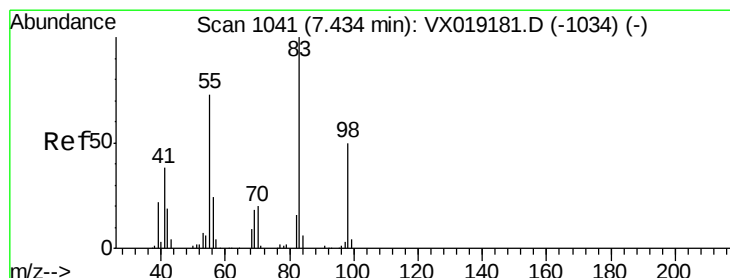
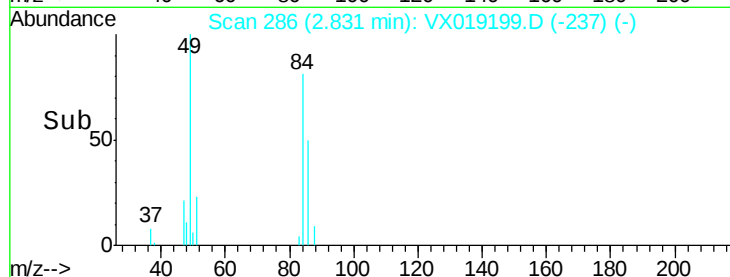
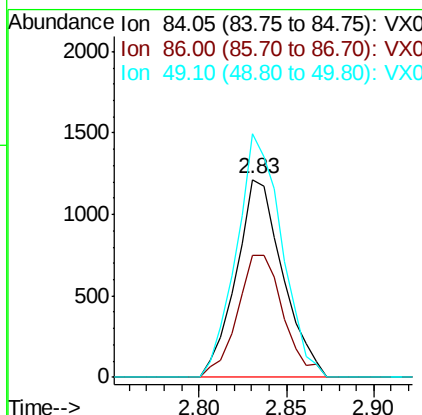
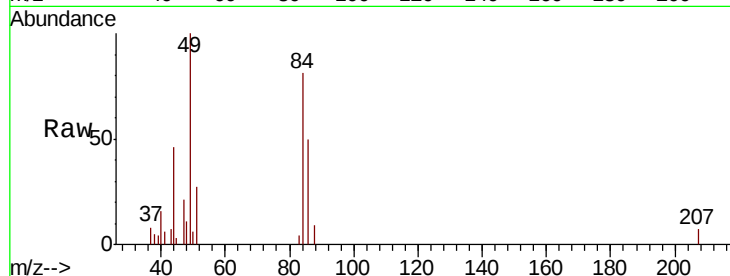




#16  
Methvlene chloride  
Concen: 0.150 ug/L  
RT: 2.83 min Scan# 286  
Delta R.T. -0.00 min  
Lab File: VX019199.D  
Acq: 30 Oct 2020 10:58

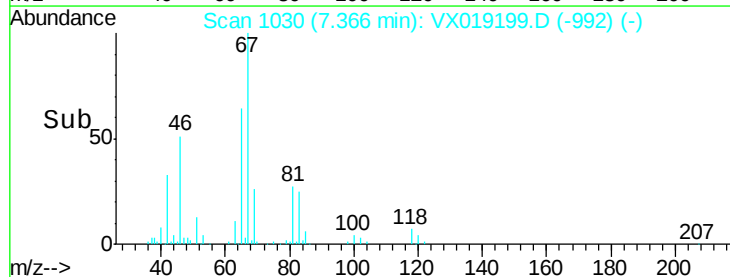
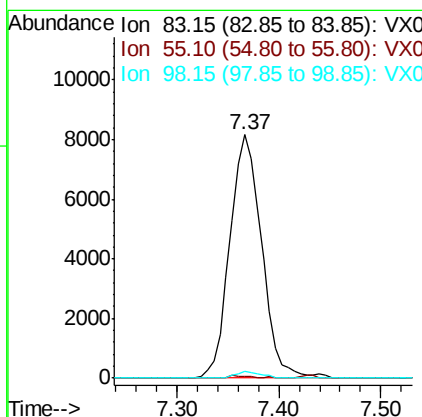
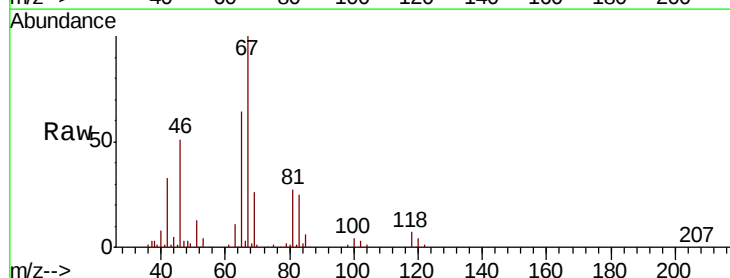
Instrument :  
MSVOA\_X  
ClientSampleId :  
VBLK308

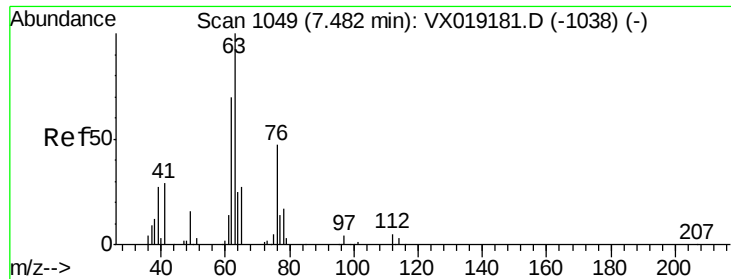
Tot Ion: 84 Resp: 2252  
Ion Ratio Lower Upper  
84 100  
86 61.9 42.2 78.4  
49 123.1 77.5 143.9



#35  
Methylcyclohexane  
Concen: 0.777 ug/L  
RT: 7.37 min Scan# 1030  
Delta R.T. -0.07 min  
Lab File: VX019199.D  
Acq: 30 Oct 2020 10:58

Tgt Ion: 83 Resp: 17642  
Ion Ratio Lower Upper  
83 100  
55 0.6 58.5 87.7#  
98 2.1 40.1 60.1#

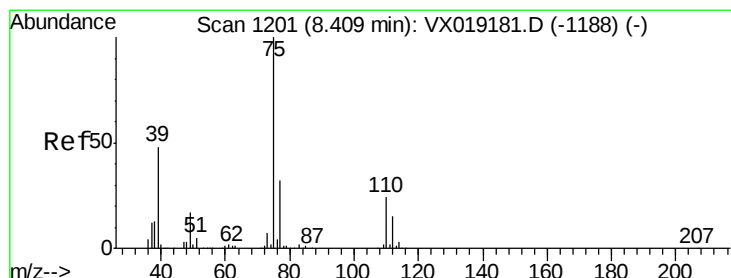
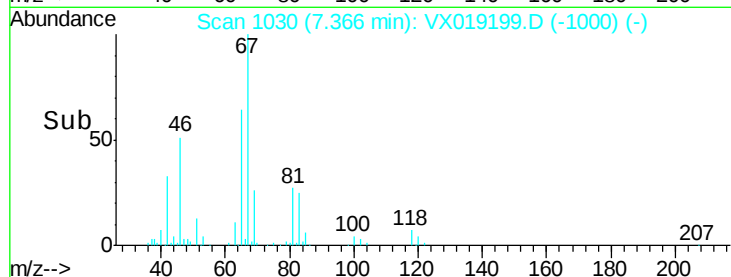
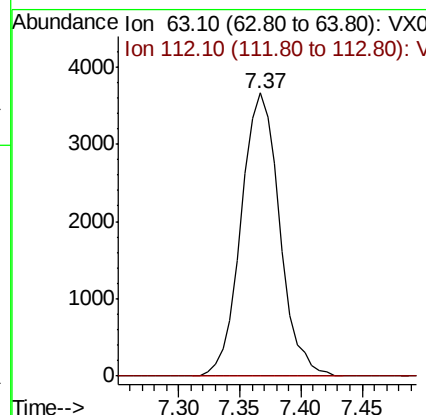
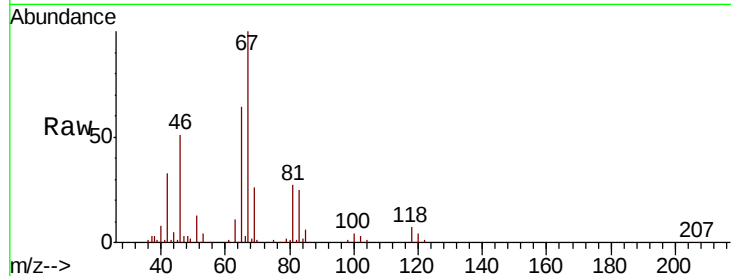




#37  
 1,2-Dichloropropane  
 Concen: 0.661 ug/L  
 RT: 7.37 min Scan# 1030  
 Delta R.T. -0.12 min  
 Lab File: VX019199.D  
 Acq: 30 Oct 2020 10:58

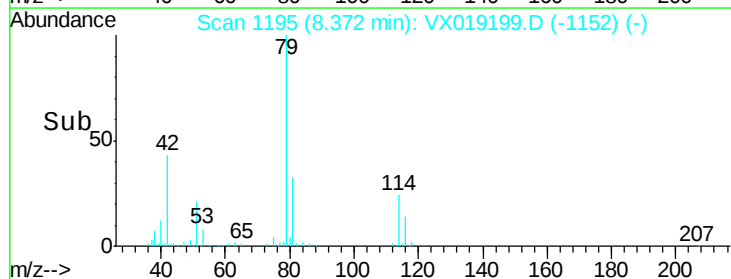
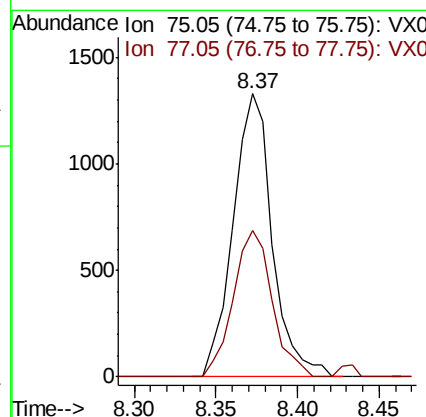
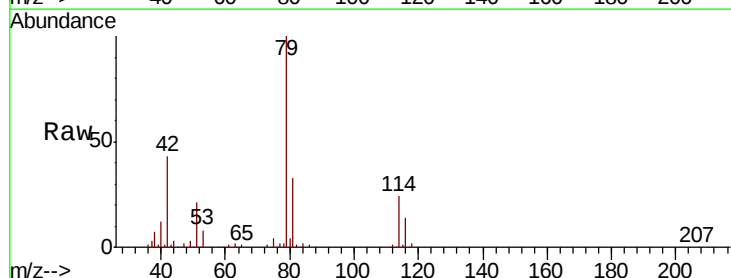
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VBLK308

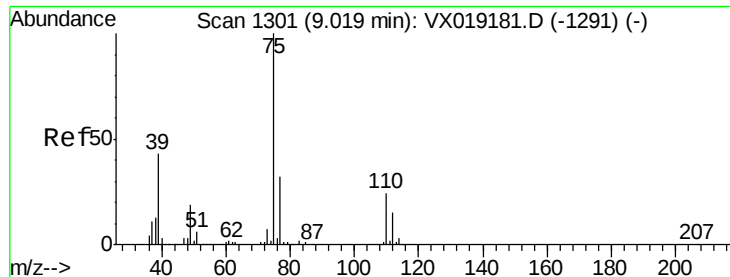
Tot Ion: 63 Resp: 8000  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.119 ug/L  
 RT: 8.37 min Scan# 1195  
 Delta R.T. -0.04 min  
 Lab File: VX019199.D  
 Acq: 30 Oct 2020 10:58

Tgt Ion: 75 Resp: 2217  
 Ion Ratio Lower Upper  
 75 100  
 77 51.6 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 8.99 min Scan# 1297

Delta R.T. -0.02 min

Lab File: VX019199.D

Acq: 30 Oct 2020 10:58

Instrument :

MSVOA\_X

ClientSampled :

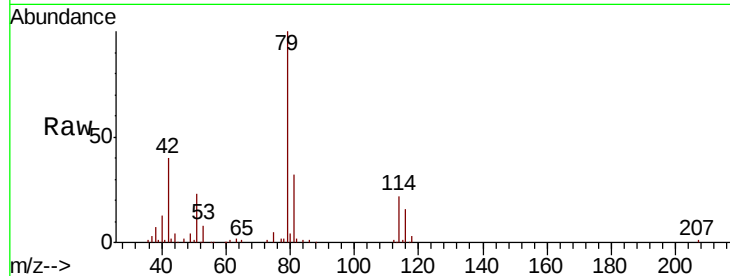
VBLK308

Tot Ion: 75 Resp: 1404

Ion Ratio Lower Upper

75 100

77 37.6 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.99

1000

800

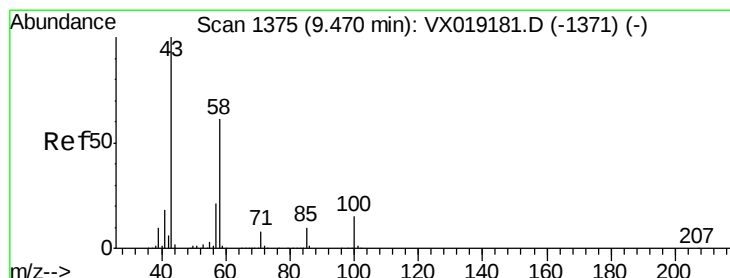
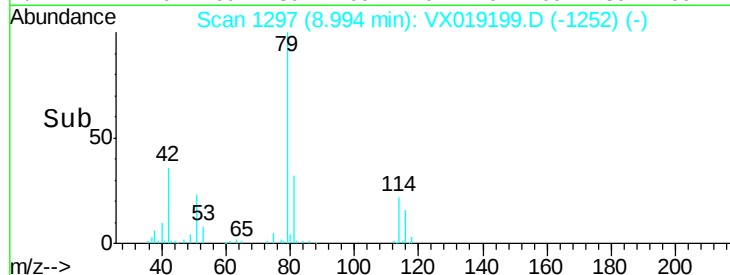
600

400

200

0

Time-->



#48

2-Hexanone

Concen: 3.460 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VX019199.D

Acq: 30 Oct 2020 10:58

Tgt Ion: 43 Resp: 15645

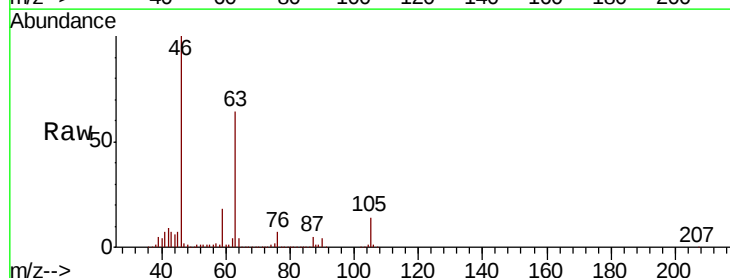
Ion Ratio Lower Upper

43 100

58 25.4 49.3 73.9#

57 23.2 17.2 25.8

100 0.0 11.8 17.8#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0

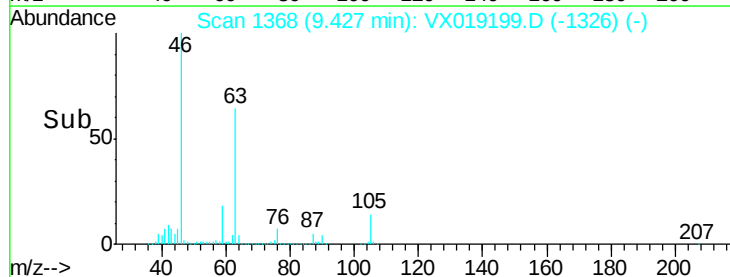
15000

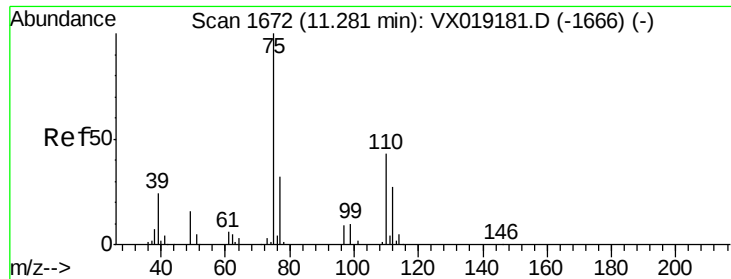
10000

5000

0

Time-->





#61

1,2,3-Trichloropropane

Concen: 0.087 ug/L

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019199.D

Acq: 30 Oct 2020 10:58

Instrument :

MSVOA\_X

ClientSampleId :

VBLK308

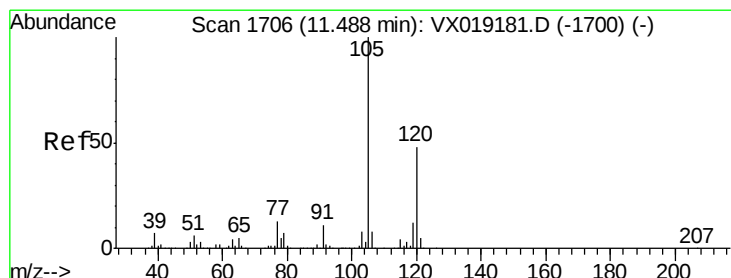
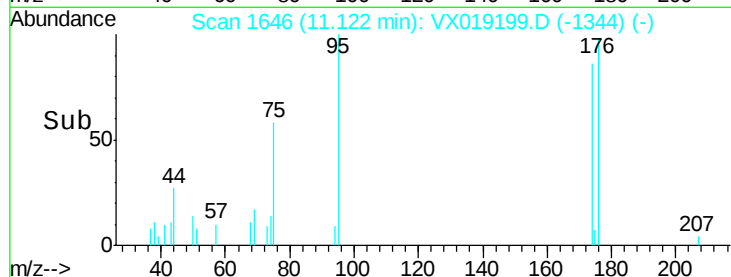
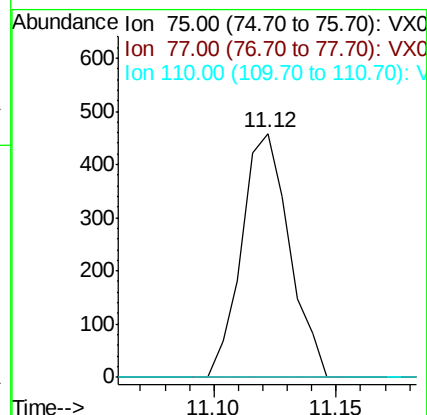
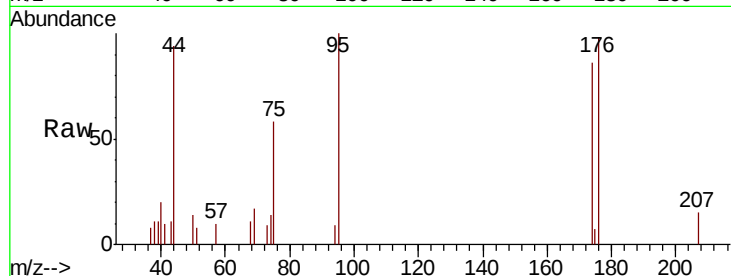
Tot Ion: 75 Resp: 621

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

110 0.0 32.4 48.6#



#62

1,3,5-Trimethylbenzene

Concen: 0.003 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019199.D

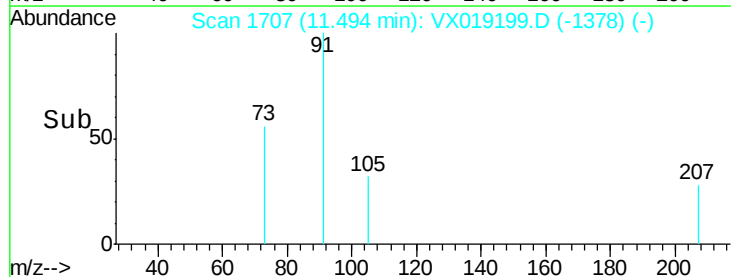
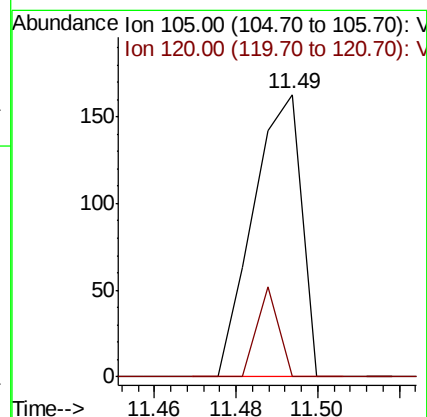
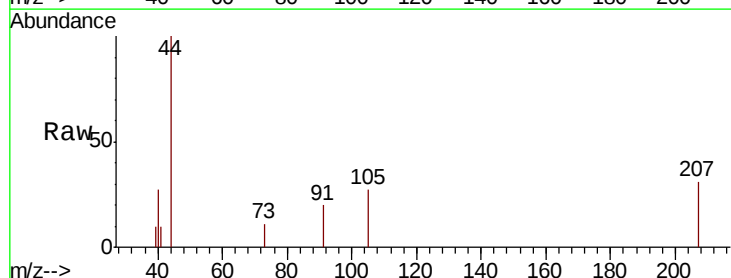
Acq: 30 Oct 2020 10:58

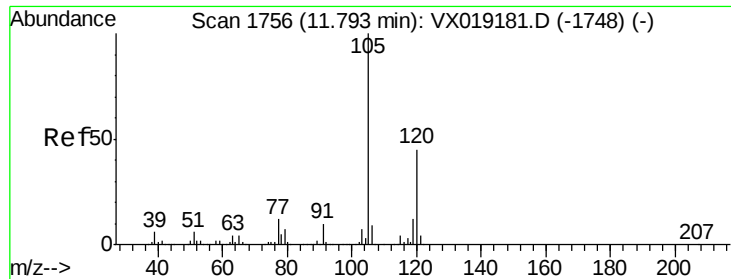
Tgt Ion: 105 Resp: 135

Ion Ratio Lower Upper

105 100

120 0.0 38.9 58.3#





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.005 ug/L  
 RT: 11.79 min Scan# 1756  
 Delta R.T. -0.00 min  
 Lab File: VX019199.D  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 0.0   | 36.1  | 54.1# |

