

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073120\  
 Data File : VV017783.D  
 Acq On : 31 Jul 2020 18:47  
 Operator : SY/MD  
 Sample : L3520-06MSD  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 D0AB8MSD

Quant Time: Aug 01 04:52:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 01 04:42:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 149624   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 144695   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 75341    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27682    | 3.88     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 26116    | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 61853    | 3.86     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.20% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 67461    | 39.47    | ug/L | -0.03  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 78.94% |
| 24) Chloroform-d               | 4.38   | 84    | 71886    | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.20% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 43207    | 4.84     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80% |
| 32) Benzene-d6                 | 5.08   | 84    | 123179   | 3.86     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 77.20% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 34831    | 3.93     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 78.60% |
| 41) Toluene-d8                 | 7.34   | 98    | 108604   | 3.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 71.00% |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 16370    | 4.07     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 43535    | 34.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 69.92% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 23044    | 3.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 74.80% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 48974    | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.00% |

## Target Compounds

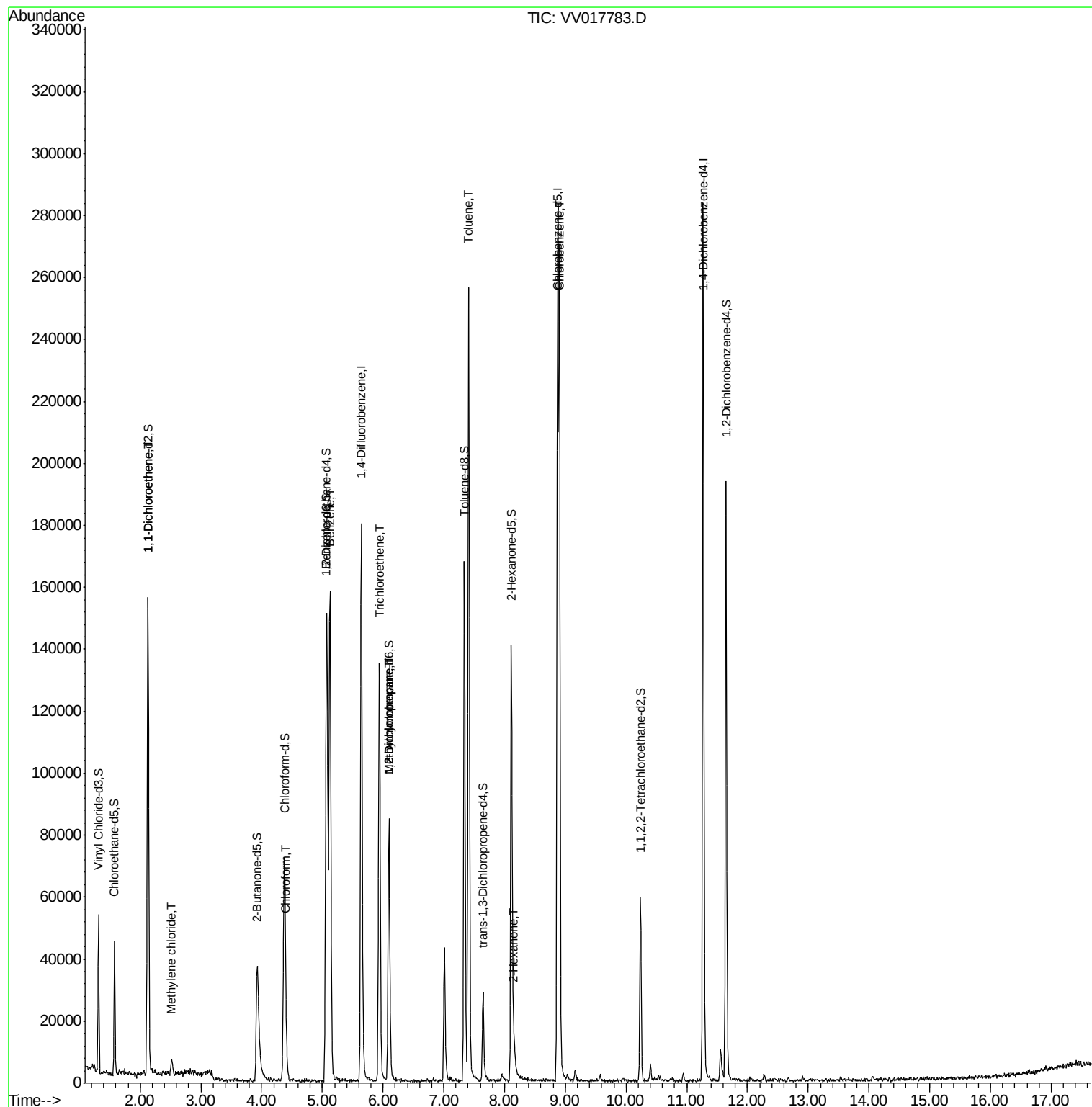
|                         |      |     |        |       | Ovalue    |
|-------------------------|------|-----|--------|-------|-----------|
| 12) 1,1-Dichloroethene  | 2.14 | 96  | 28750  | 3.568 | ug/L 97   |
| 16) Methylene chloride  | 2.52 | 84  | 1481   | 0.165 | ug/L 95   |
| 25) Chloroform          | 4.41 | 83  | 5198   | 0.251 | ug/L 100  |
| 33) Benzene             | 5.13 | 78  | 151207 | 3.692 | ug/L 100  |
| 34) Trichloroethene     | 5.94 | 95  | 43949  | 3.842 | ug/L 97   |
| 35) Methylcyclohexane   | 6.10 | 83  | 10366  | 0.599 | ug/L # 18 |
| 37) 1,2-Dichloropropane | 6.09 | 63  | 4953   | 0.515 | ug/L # 83 |
| 42) Toluene             | 7.41 | 91  | 180083 | 4.031 | ug/L 100  |
| 50) 2-Hexanone          | 8.16 | 43  | 4752   | 1.273 | ug/L # 64 |
| 53) Chlorobenzene       | 8.90 | 112 | 133569 | 4.484 | ug/L 98   |

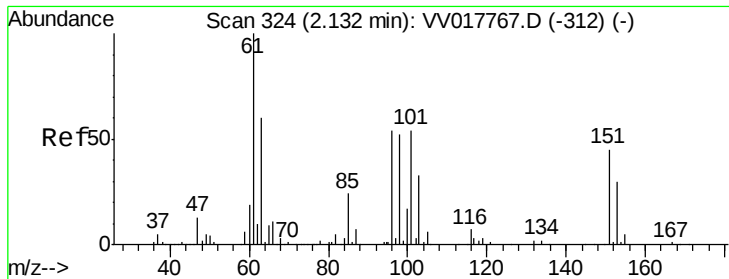
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 01 04:42:38 2020  
Response via : Initial Calibration

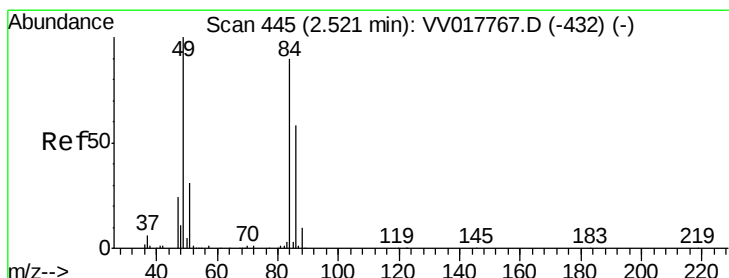
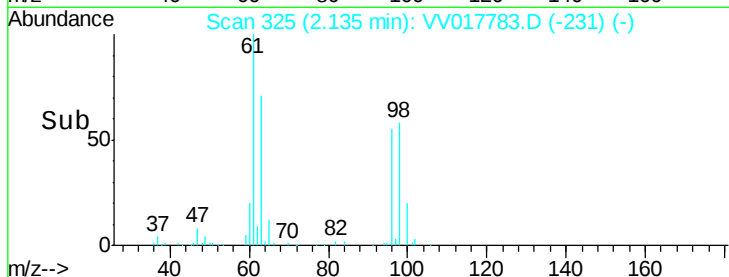
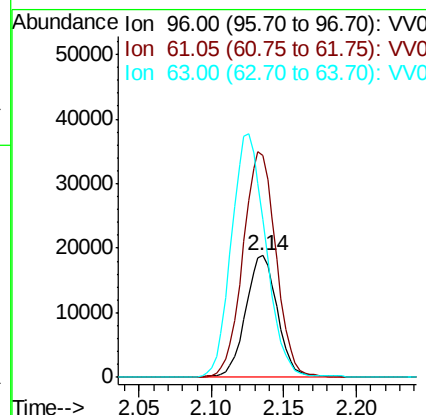
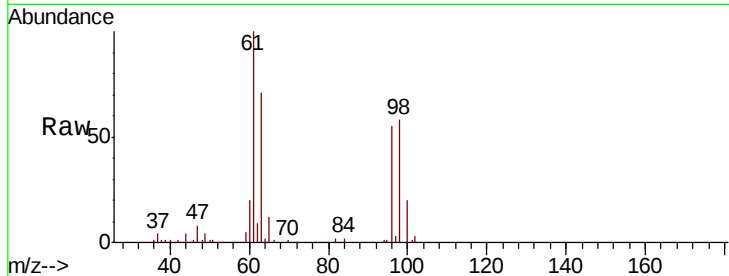




#12  
 1,1-Dichloroethene  
 Concen: 3.568 ug/L  
 RT: 2.14 min Scan# 325  
 Delta R.T. 0.00 min  
 Lab File: VV017783.D  
 Acq: 31 Jul 2020 18:47

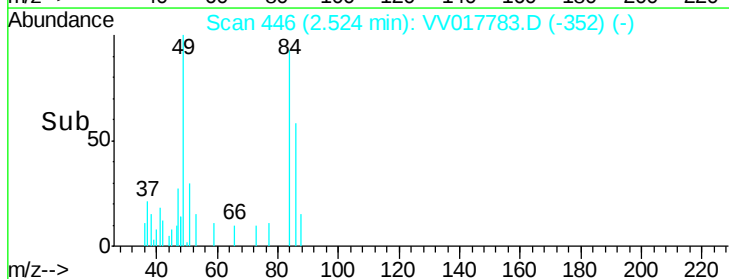
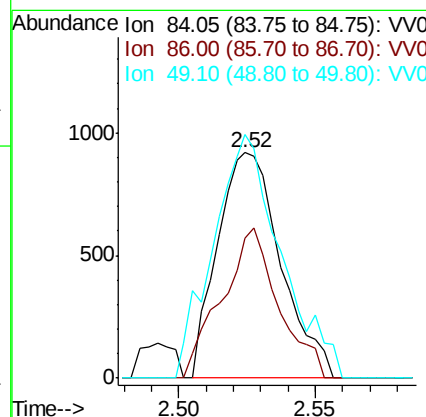
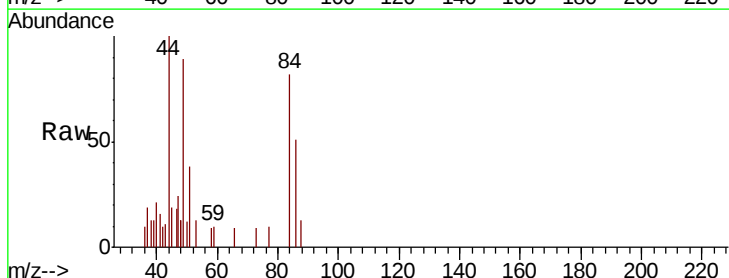
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 D0AB8MSD

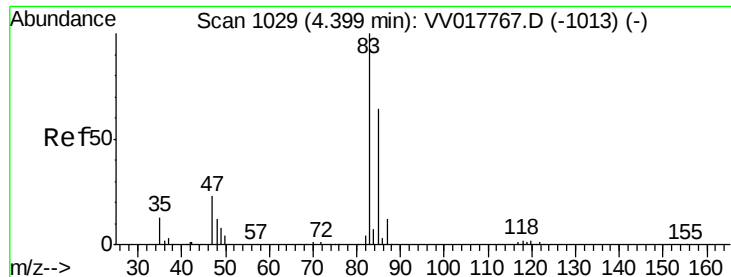
| Tot Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 182.1 | 123.1 | 228.7 |
| 63      | 129.4 | 91.2  | 169.4 |



#16  
 Methylene chloride  
 Concen: 0.165 ug/L  
 RT: 2.52 min Scan# 446  
 Delta R.T. 0.00 min  
 Lab File: VV017783.D  
 Acq: 31 Jul 2020 18:47

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 86      | 62.3  | 46.5  | 86.3  |
| 49      | 107.9 | 79.2  | 147.2 |

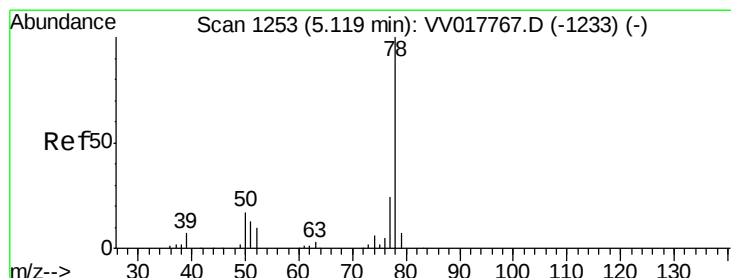
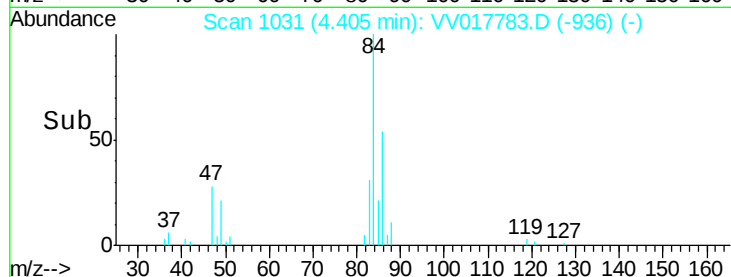
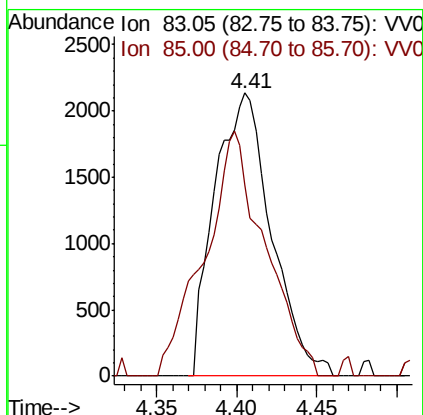
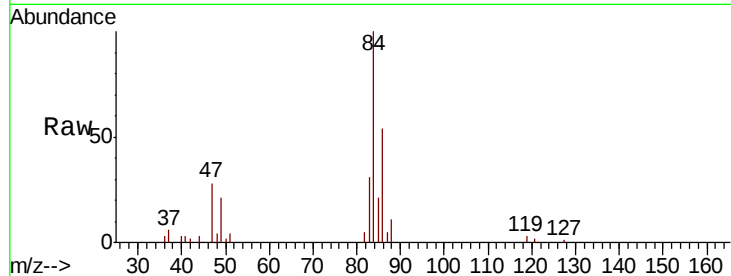




#25  
Chloroform  
Concen: 0.251 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: VV017783.D  
Acq: 31 Jul 2020 18:47

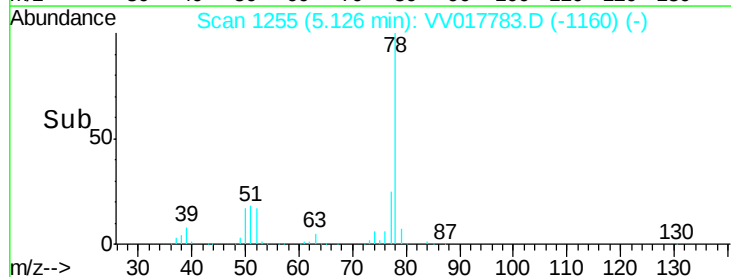
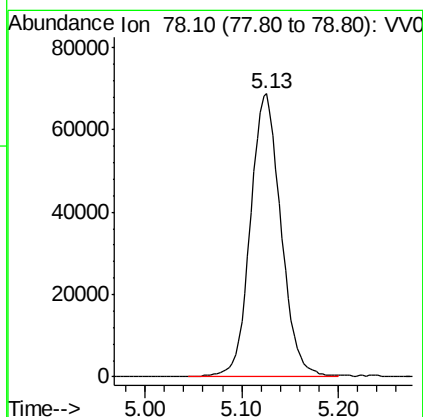
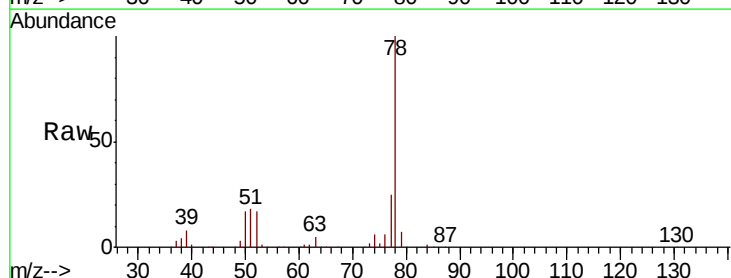
Instrument :  
MSVOA\_V  
ClientSampleId :  
D0AB8MSD

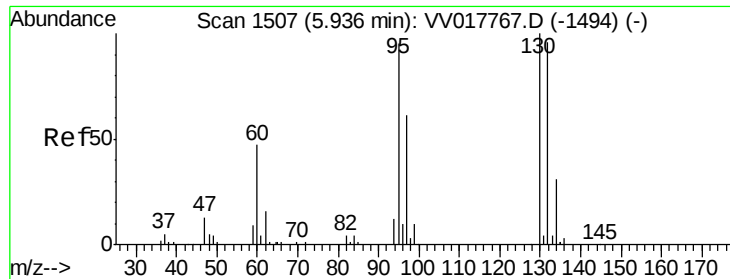
Tot Ion: 83 Resp: 5198  
Ion Ratio Lower Upper  
83 100  
85 67.4 47.3 87.9



#33  
Benzene  
Concen: 3.692 ug/L  
RT: 5.13 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: VV017783.D  
Acq: 31 Jul 2020 18:47

Tgt Ion: 78 Resp: 151207





#34

Trichloroethene

Concen: 3.842 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017783.D

Acq: 31 Jul 2020 18:47

Instrument :

MSVOA\_V

ClientSampleId :

D0AB8MSD

Tot Ion: 95 Resp: 43949

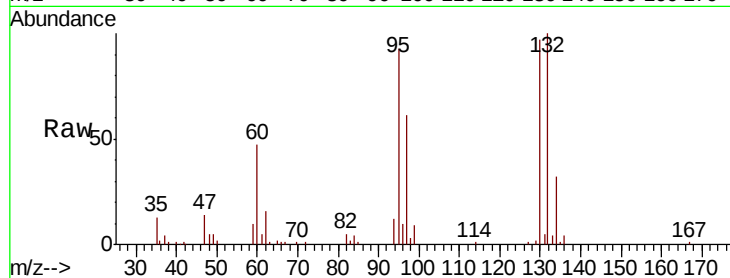
Ion Ratio Lower Upper

95 100

97 65.7 46.1 85.5

132 108.0 71.7 133.1

130 104.3 74.3 137.9

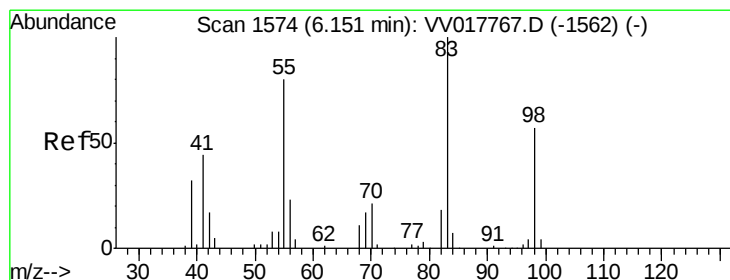
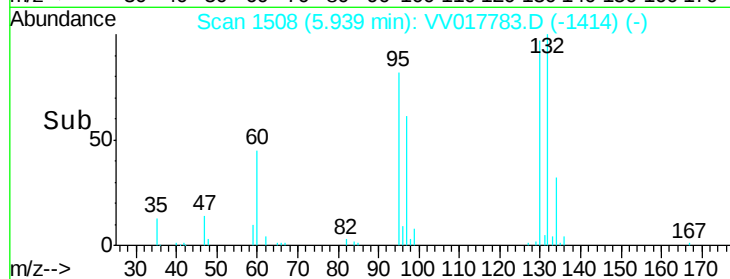
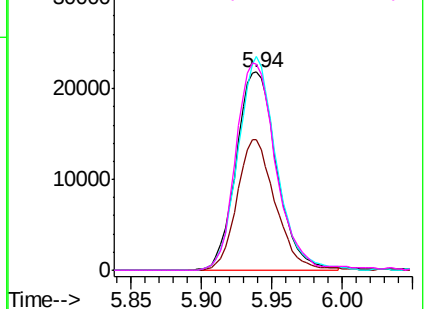


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.599 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017783.D

Acq: 31 Jul 2020 18:47

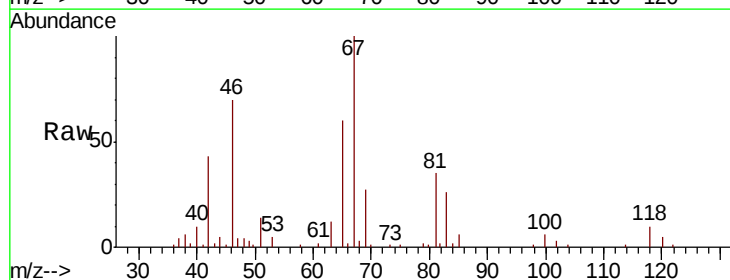
Tgt Ion: 83 Resp: 10366

Ion Ratio Lower Upper

83 100

55 0.6 61.8 92.8#

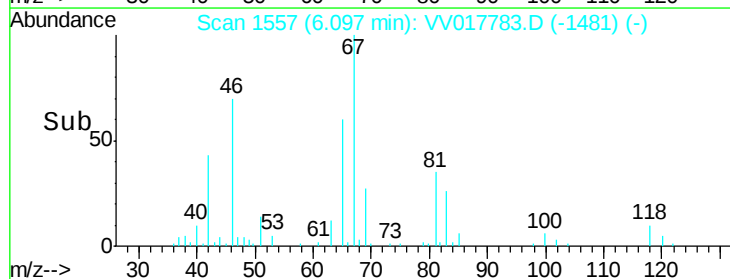
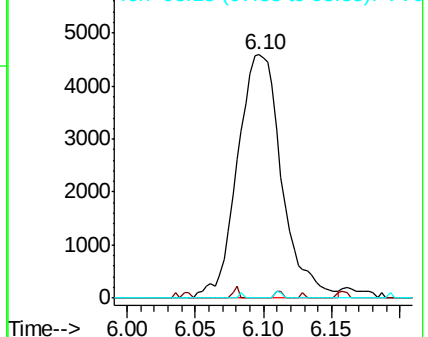
98 0.0 39.0 58.6#

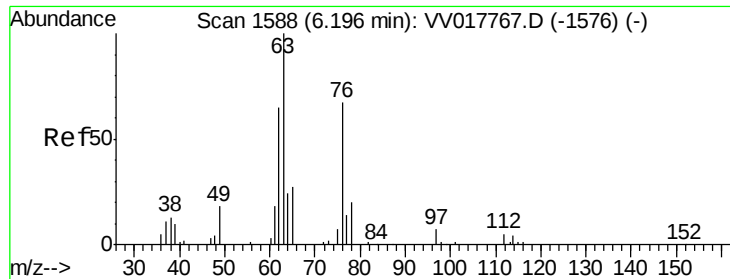


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

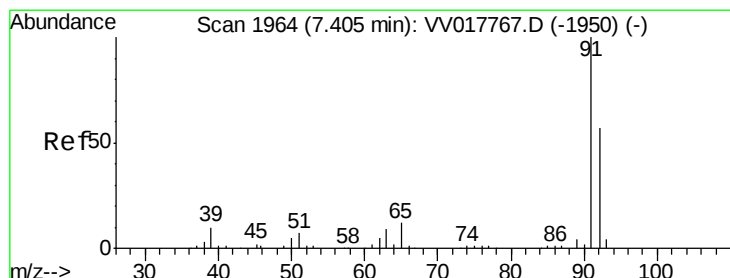
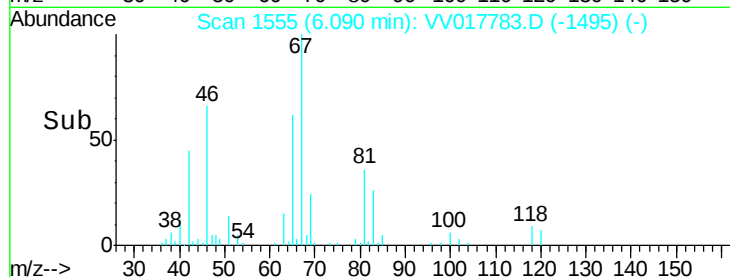
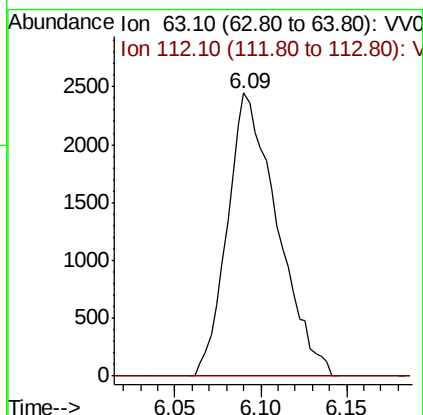
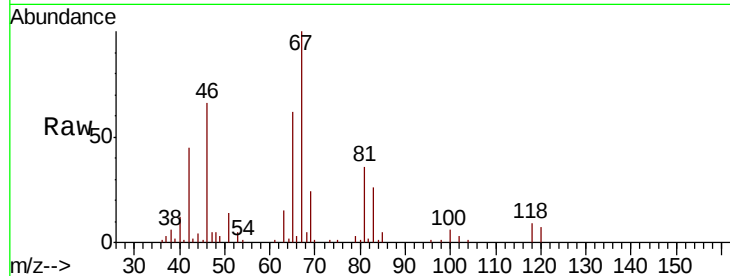




#37  
 1,2-Dichloropropane  
 Concen: 0.515 ug/L  
 RT: 6.09 min Scan# 1555  
 Delta R.T. -0.11 min  
 Lab File: VV017783.D  
 Acq: 31 Jul 2020 18:47

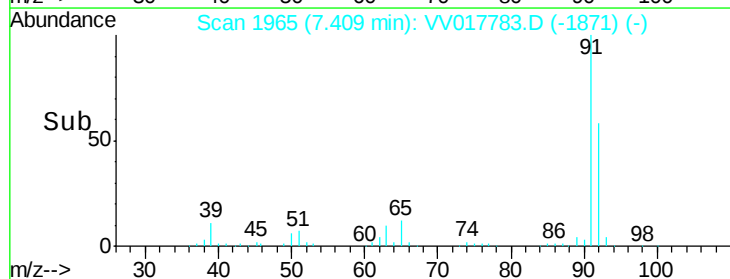
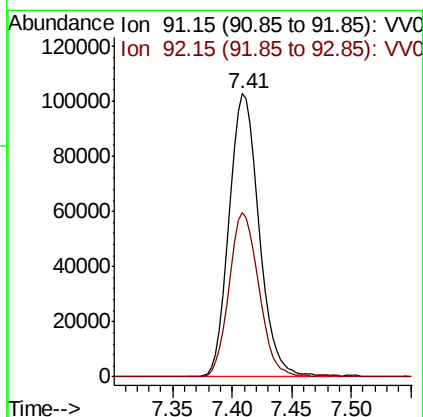
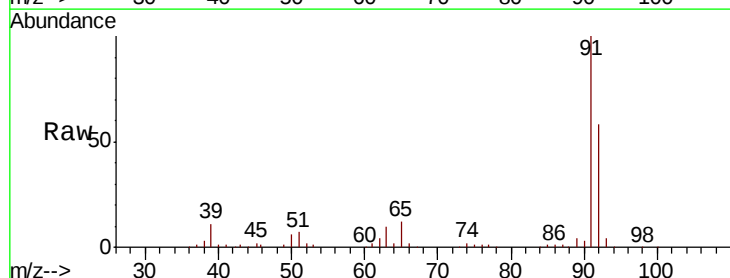
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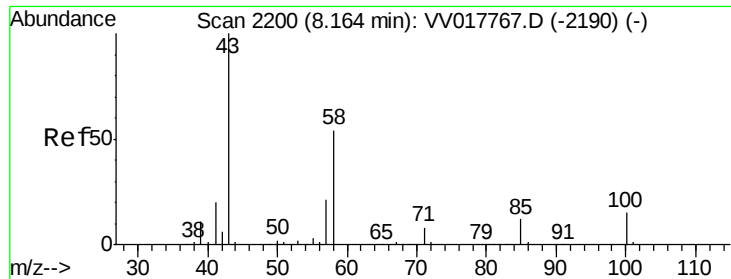
Tot Ion: 63 Resp: 4953  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.5 6.7#



#42  
 Toluene  
 Concen: 4.031 ug/L  
 RT: 7.41 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: VV017783.D  
 Acq: 31 Jul 2020 18:47

Tgt Ion: 91 Resp: 180083  
 Ion Ratio Lower Upper  
 91 100  
 92 58.2 40.8 75.8

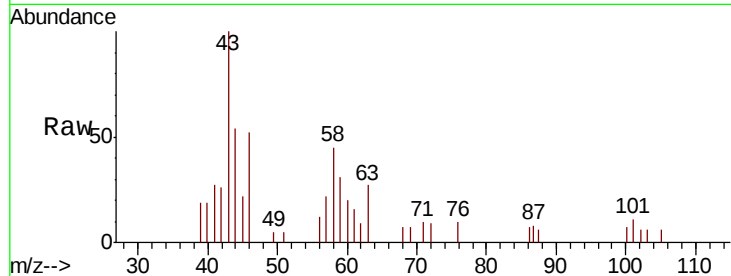




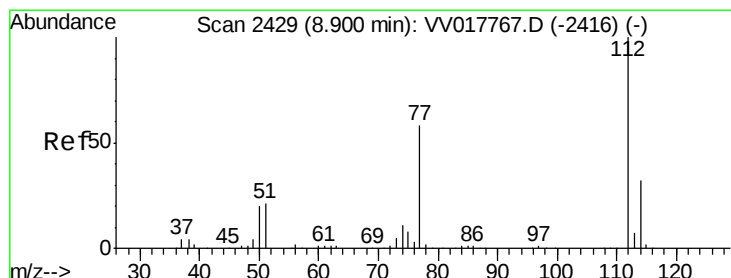
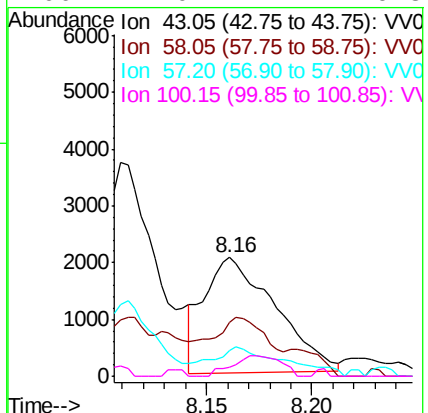
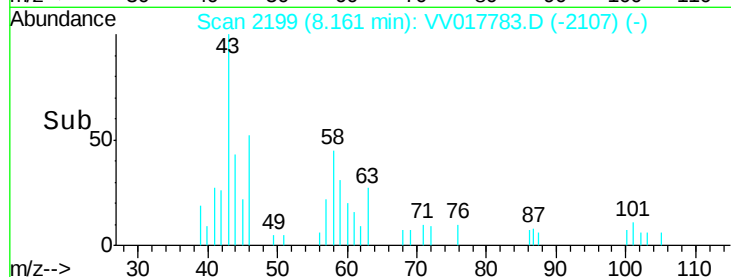
#50  
2-Hexanone  
Concen: 1.273 ug/L  
RT: 8.16 min Scan# 2199  
Delta R.T. -0.00 min  
Lab File: VV017783.D  
Acq: 31 Jul 2020 18:47

Instrument :  
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Tot Ion: 43 Resp: 4752  
Ion Ratio Lower Upper  
43 100  
58 15.6 41.6 62.4#  
57 26.1 15.4 23.0#  
100 12.0 11.2 16.8

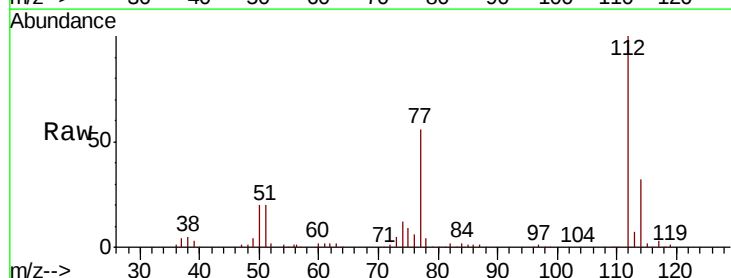


Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0



#53  
Chlorobenzene  
Concen: 4.484 ug/L  
RT: 8.90 min Scan# 2430  
Delta R.T. 0.00 min  
Lab File: VV017783.D  
Acq: 31 Jul 2020 18:47

Tgt Ion: 112 Resp: 133569  
Ion Ratio Lower Upper  
112 100  
114 31.6 23.2 43.2  
77 56.5 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): VV0  
Ion 114.05 (113.75 to 114.75): VV0  
Ion 77.10 (76.80 to 77.80): VV0

