

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\  
 Data File : VV016692.D  
 Acq On : 09 Jun 2020 04:30  
 Operator : SY/MD  
 Sample : L2901-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTR3

Quant Time: Jun 09 05:05:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 09 03:40:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 342735   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 322266   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 152685   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

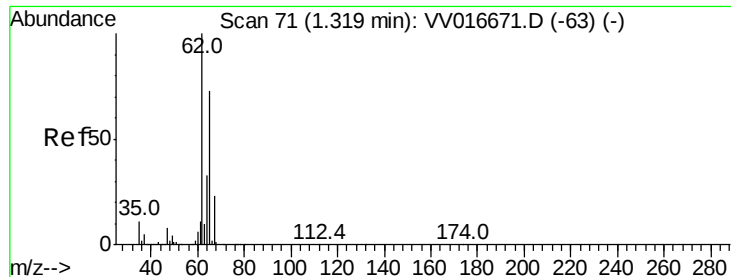
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 117      | 0.05     | ug/L | 0.07    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 0.10%#  |
| 7) Chloroethane-d5             | 1.56    | 69    | 57670    | 39.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 159433   | 39.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.52%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 213339   | 119.19   | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 119.19% |
| 24) Chloroform-d               | 4.38    | 84    | 232494   | 47.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 167810   | 50.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.34% |
| 32) Benzene-d6                 | 5.07    | 84    | 449652   | 48.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 140978   | 48.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.36%  |
| 41) Toluene-d8                 | 7.34    | 98    | 407926   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.70%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 67408    | 44.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.38%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 144272   | 114.28   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.28% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 197812   | 51.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 170201   | 52.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.46% |

## Target Compounds

|                                |      |     |          |          | Ovalue    |
|--------------------------------|------|-----|----------|----------|-----------|
| 5) Vinyl chloride              | 1.32 | 62  | 8764558  | 3586.687 | ug/L 92   |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1573     | 0.863    | ug/L # 21 |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 29572    | 17.384   | ug/L # 43 |
| 13) Acetone                    | 2.18 | 43  | 4714     | 3.997    | ug/L 88   |
| 14) Carbon disulfide           | 2.41 | 76  | 49022    | 7.959    | ug/L 100  |
| 15) Methyl Acetate             | 2.44 | 43  | 86786    | 33.016   | ug/L 98   |
| 17) trans-1,2-Dichloroethene   | 2.78 | 96  | 113073   | 48.752   | ug/L 98   |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 19571402 | 7740.175 | ug/L 86   |
| 44) trans-1,3-Dichloropropene  | 7.64 | 75  | 3693     | 0.986    | ug/L 94   |
| 48) 2-Hexanone                 | 8.17 | 43  | 8590     | 3.153    | ug/L # 85 |

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





#5

Vinyl chloride

Concen: 3586.687 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

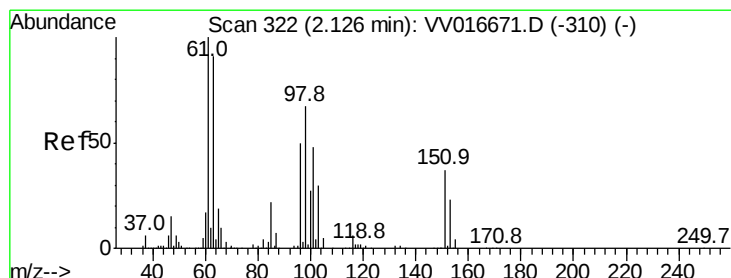
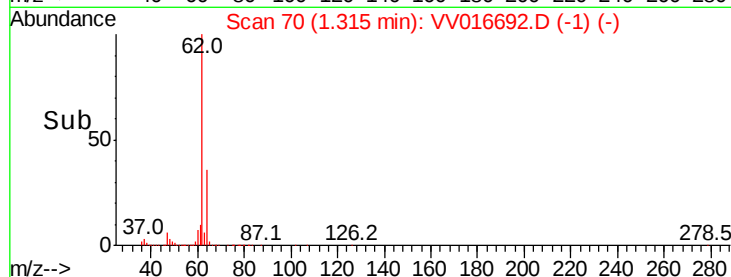
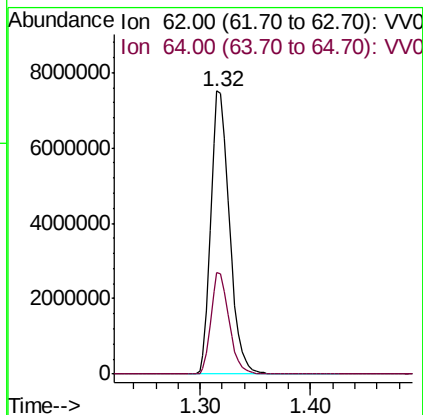
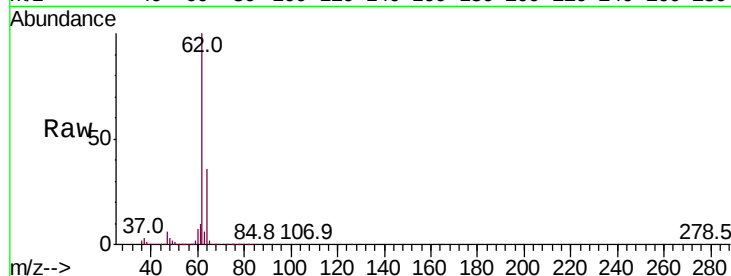
Instrument :  
MSVOA\_V  
ClientSampleId :  
ETTR3

Tot Ion: 62 Resp: 8764558

Ion Ratio Lower Upper

62 100

64 36.1 22.3 41.5



#10

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

Concen: 0.863 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

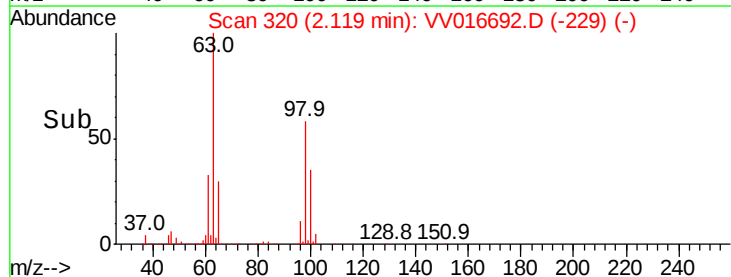
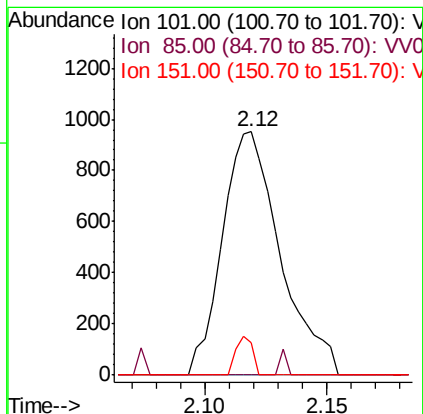
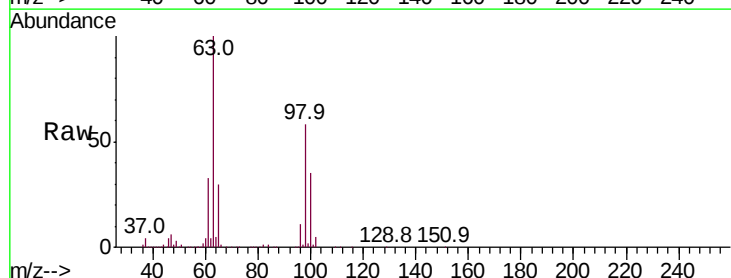
Tgt Ion:101 Resp: 1573

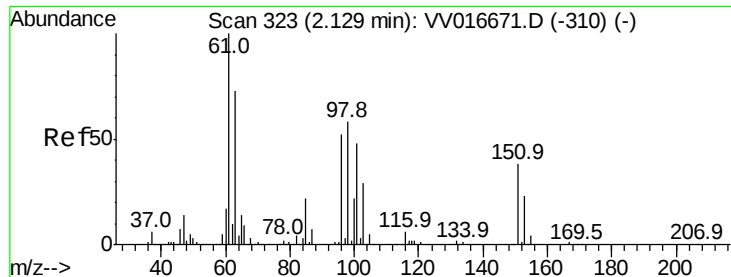
Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

151 4.6 63.9 95.9#

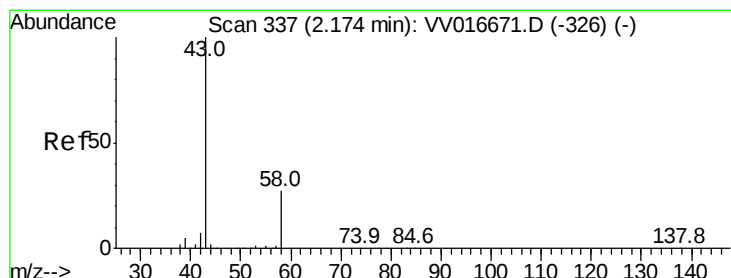
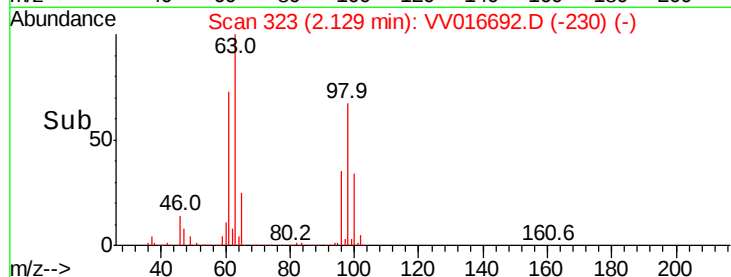
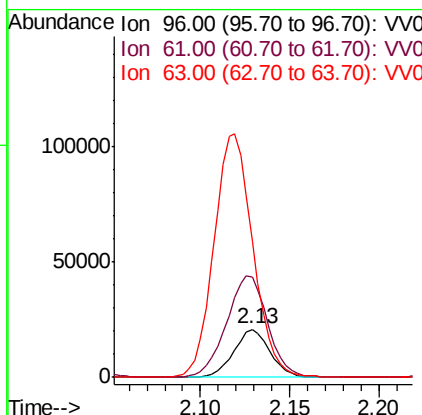
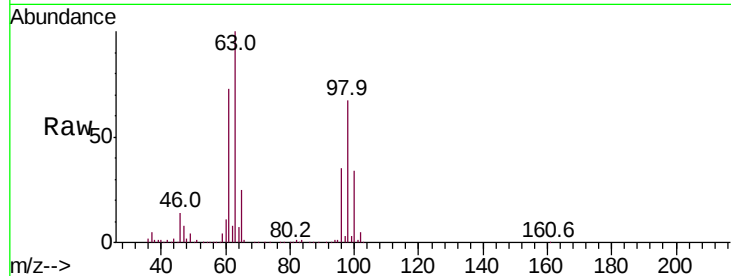




#12  
 1,1-Dichloroethene  
 Concen: 17.384 ug/L  
 RT: 2.13 min Scan# 323  
 Delta R.T. -0.00 min  
 Lab File: VV016692.D  
 Acq: 09 Jun 2020 04:30

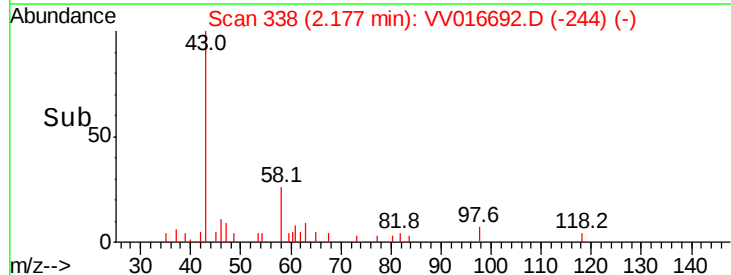
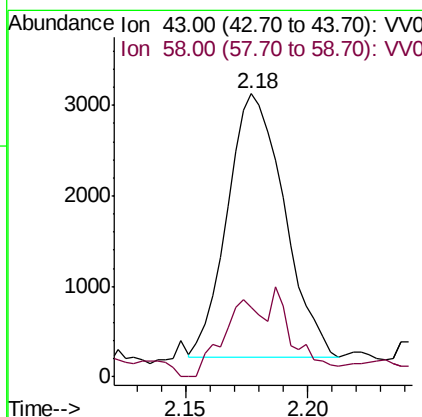
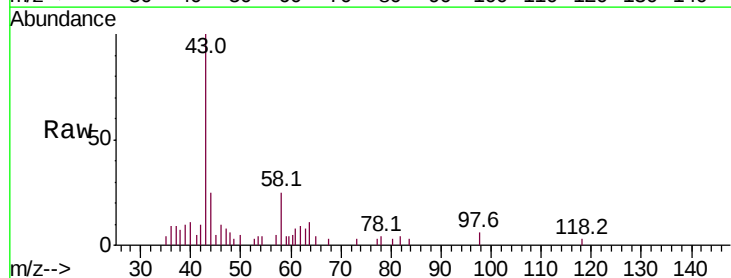
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTR3

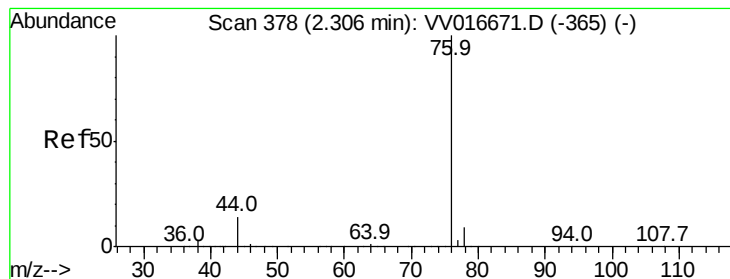
| Tot Ion | 96    | Resp  | 29572  |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 96      | 100   |       |        |
| 61      | 208.8 | 130.4 | 242.2  |
| 63      | 285.1 | 103.3 | 191.9# |



#13  
 Acetone  
 Concen: 3.997 ug/L  
 RT: 2.18 min Scan# 338  
 Delta R.T. 0.00 min  
 Lab File: VV016692.D  
 Acq: 09 Jun 2020 04:30

| Tgt Ion | 43    | Resp  | 4714  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 43      | 100   |       |       |
| 58      | 21.3  | 0.0   | 55.2  |





#14

Carbon disulfide

Concen: 7.959 ug/L

RT: 2.41 min Scan# 411

Delta R.T. 0.11 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

Instrument :

MSVOA\_V

ClientSampleId :

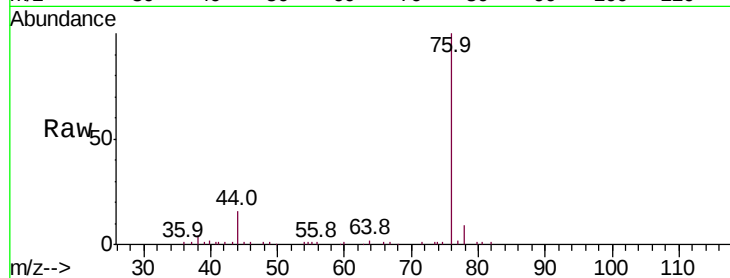
ETTR3

Tot Ion: 76 Resp: 49022

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

25000

20000

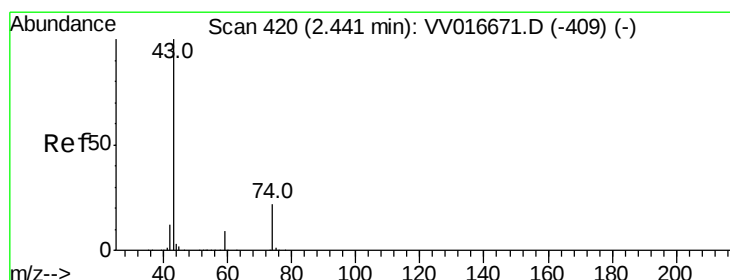
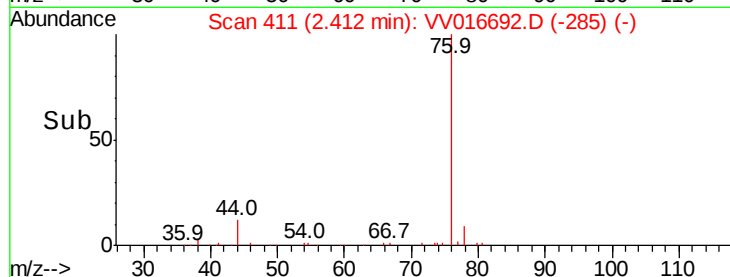
15000

10000

5000

0

Time--> 2.30 2.35 2.40 2.45



#15

Methyl Acetate

Concen: 33.016 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.00 min

Lab File: VV016692.D

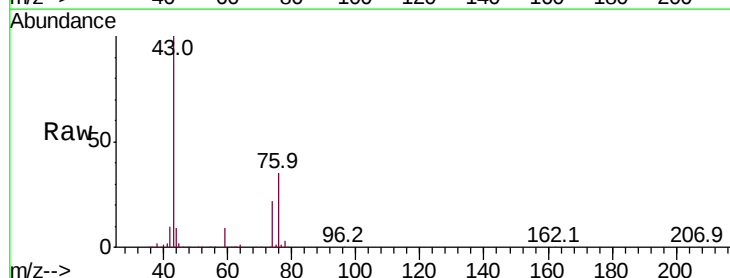
Acq: 09 Jun 2020 04:30

Tgt Ion: 43 Resp: 86786

Ion Ratio Lower Upper

43 100

74 21.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

60000

50000

40000

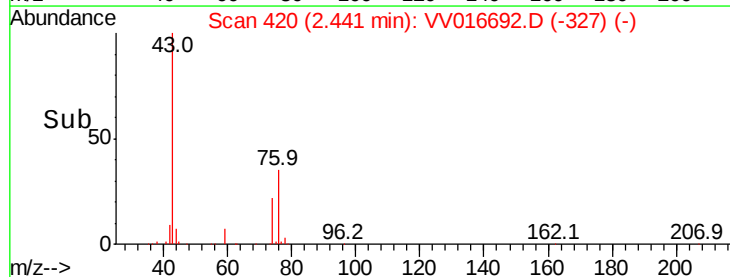
30000

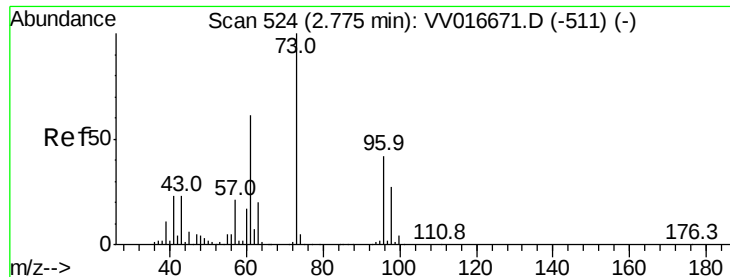
20000

10000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#17

trans-1,2-Dichloroethene

Concen: 48.752 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

Instrument :

MSVOA\_V

ClientSampleId :

ETTR3

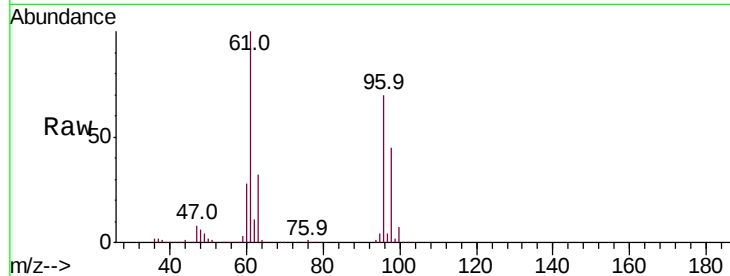
Tot Ion: 96 Resp: 113073

Ion Ratio Lower Upper

96 100

61 143.8 102.9 191.1

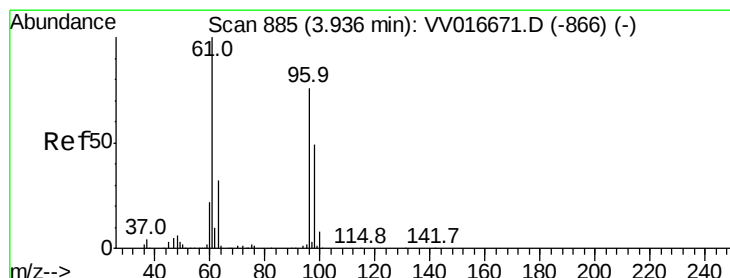
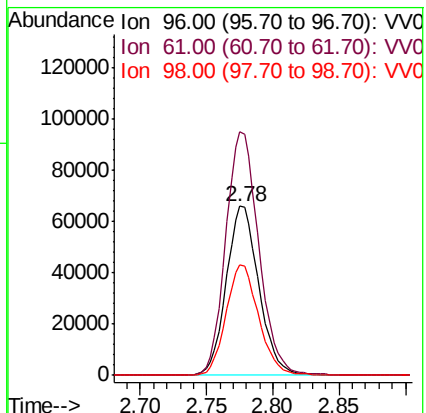
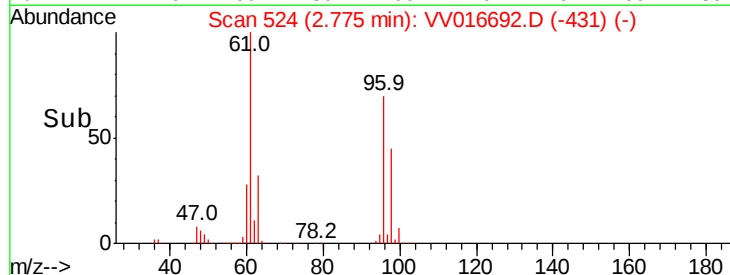
98 65.1 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016671.D (-511) (-)

Ion 61.00 (60.70 to 61.70): VV016671.D (-511) (-)

Ion 98.00 (97.70 to 98.70): VV016671.D (-511) (-)



#20

cis-1,2-Dichloroethene

Concen: 7740.175 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

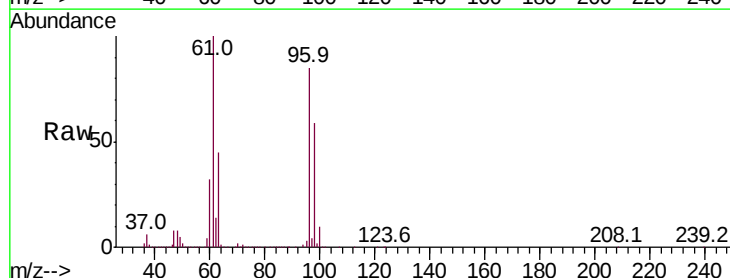
Tgt Ion: 96 Resp: 19571402

Ion Ratio Lower Upper

96 100

61 117.3 93.4 173.4

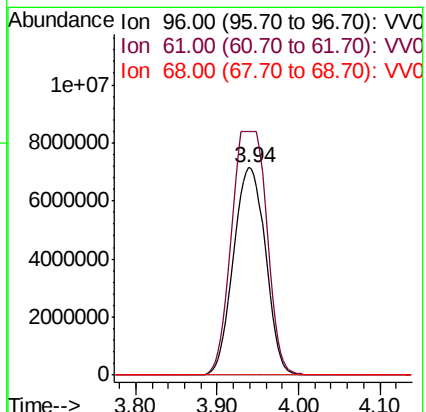
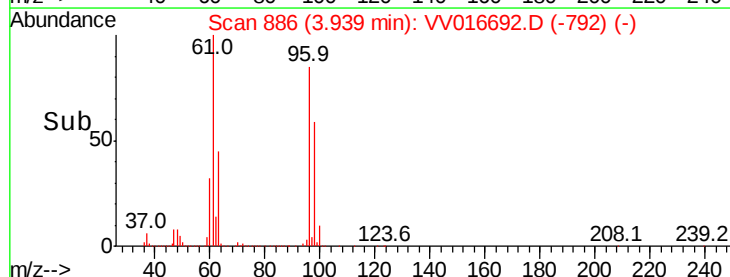
68 0.0 0.0 0.0

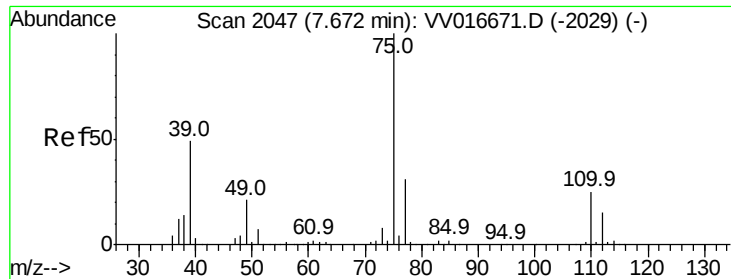


Abundance Ion 96.00 (95.70 to 96.70): VV016671.D (-866) (-)

Ion 61.00 (60.70 to 61.70): VV016671.D (-866) (-)

Ion 68.00 (67.70 to 68.70): VV016671.D (-866) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.986 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

Instrument :

MSVOA\_V

ClientSampleId :

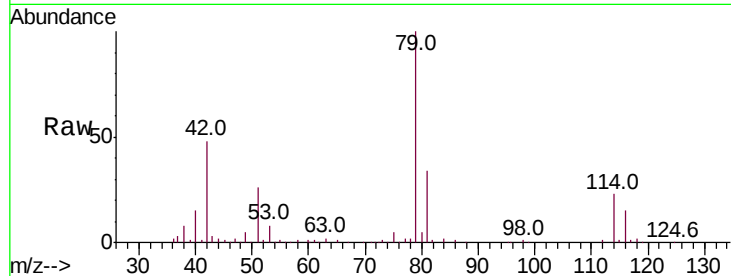
ETTR3

Tot Ion: 75 Resp: 3693

Ion Ratio Lower Upper

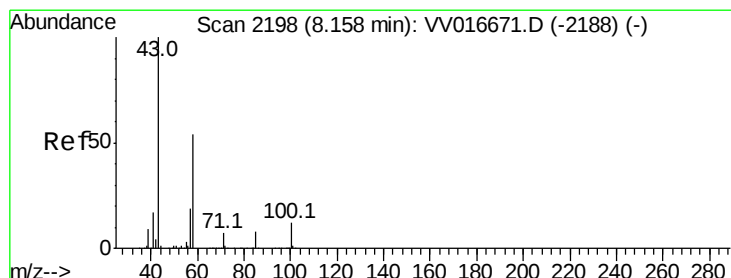
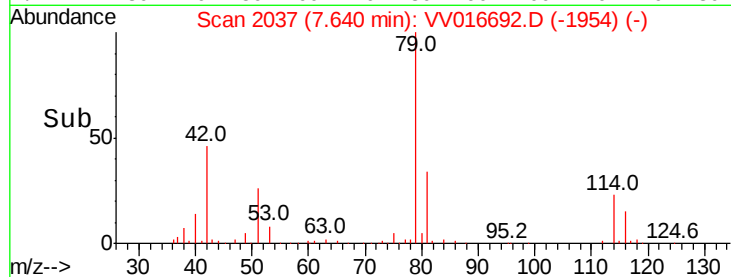
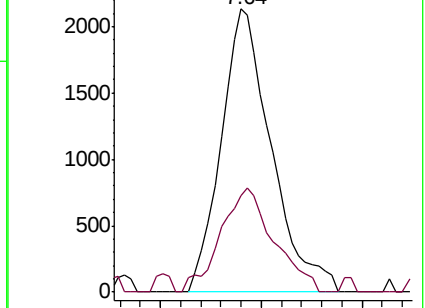
75 100

77 34.1 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016671.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV016671.D (-2029) (-)



#48

2-Hexanone

Concen: 3.153 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV016692.D

Acq: 09 Jun 2020 04:30

Tgt Ion: 43 Resp: 8590

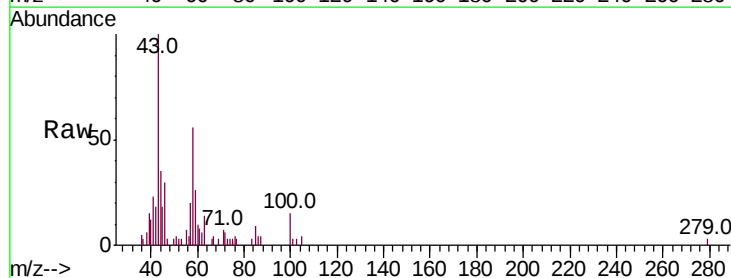
Ion Ratio Lower Upper

43 100

58 63.7 43.1 64.7

57 12.7 15.3 22.9#

100 3.1 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VV016671.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV016671.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV016671.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV016671.D (-2188) (-)

