

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042419\  
 Data File : VU031466.D  
 Acq On : 24 Apr 2019 13:19  
 Operator : JC/SP  
 Sample : K2517-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAHY8

Quant Time: Apr 25 06:18:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR042419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 25 06:05:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 363140   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 344253   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 153580   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 138903   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.60%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 113202   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.00% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 279694   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 102.20% |
| 20) 2-Butanone-d5              | 4.21   | 46    | 404998   | 51.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.92% |
| 24) Chloroform-d               | 4.64   | 84    | 232772   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 126042   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.80% |
| 32) Benzene-d6                 | 5.33   | 84    | 461500   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 155606   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.40% |
| 41) Toluene-d8                 | 7.56   | 98    | 390709   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 58163    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 291920   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 122713   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 138566   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Ovalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.20 | 85   | 64130    | 2.058 | ug/L  | 97     |
| 3) Chloromethane               | 1.32 | 50   | 241170   | 6.282 | ug/L  | 99     |
| 5) Vinyl chloride              | 1.40 | 62   | 173135   | 4.569 | ug/L  | 96     |
| 6) Bromomethane                | 1.63 | 94   | 91222    | 4.688 | ug/L  | 99     |
| 8) Chloroethane                | 1.70 | 64   | 90934    | 4.240 | ug/L  | 96     |
| 9) Trichlorofluoromethane      | 1.88 | 101  | 382645   | 8.768 | ug/L  | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101  | 104123   | 4.126 | ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 2.28 | 96   | 138206   | 5.477 | ug/L  | 94     |
| 16) Methylene chloride         | 2.70 | 84   | 93724    | 3.284 | ug/L  | 96     |
| 17) Methyl tert-butyl Ether    | 3.00 | 73   | 369321   | 5.184 | ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.97 | 96   | 171231   | 6.444 | ug/L  | 98     |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96   | 172295   | 6.267 | ug/L  | 98     |
| 23) Bromochloromethane         | 4.54 | 128  | 25137    | 2.126 | ug/L  | 94     |
| 25) Chloroform                 | 4.67 | 83   | 220175   | 4.696 | ug/L  | 98     |
| 27) 1,2-Dichloroethane         | 5.40 | 62   | 156633   | 5.083 | ug/L  | 98     |
| 29) 1,1,1-Trichloroethane      | 4.91 | 97   | 204213   | 5.186 | ug/L  | 99     |
| 31) Carbon tetrachloride       | 5.13 | 117  | 169307   | 4.998 | ug/L  | 97     |

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 Sample : K2517-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

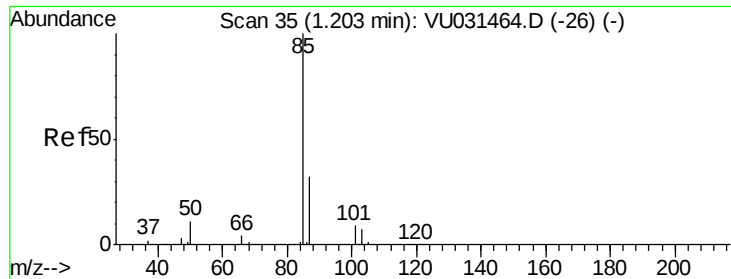
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAHY8

Quant Time: Apr 25 06:18:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR042419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 25 06:05:25 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 34) Trichloroethene           | 6.18  | 95   | 225051   | 8.027  | uq/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.43  | 63   | 143187   | 5.023  | uq/L  | 99       |
| 38) Bromodichloromethane      | 6.75  | 83   | 70348    | 2.109  | uq/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.27  | 75   | 65679    | 1.657  | uq/L  | 97       |
| 42) Toluene                   | 7.63  | 91   | 312100   | 2.923  | uq/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.06  | 97   | 160082   | 8.241  | uq/L  | 98       |
| 47) Tetrachloroethene         | 8.22  | 164  | 98340    | 5.020  | uq/L  | 99       |
| 49) Dibromochloromethane      | 8.47  | 129  | 129886   | 5.966  | uq/L  | 96       |
| 52) Ethylbenzene              | 9.25  | 91   | 1143551  | 10.060 | uq/L  | 99       |
| 54) o-Xylene                  | 9.78  | 106  | 121351   | 3.036  | uq/L  | 99       |
| 55) Styrene                   | 9.79  | 104  | 199994   | 3.025  | uq/L  | 98       |
| 56) Isopropylbenzene          | 10.16 | 105  | 770925   | 7.300  | uq/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.45 | 83   | 115364   | 4.667  | uq/L  | 98       |
| 62) 1,3-Dichlorobenzene       | 11.41 | 146  | 98287    | 2.162  | uq/L  | 99       |
| 65) 1,2-Dichlorobenzene       | 11.88 | 146  | 93329    | 2.070  | uq/L  | 98       |

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





#2

Dichlorodifluoromethane

Concen: 2.058 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

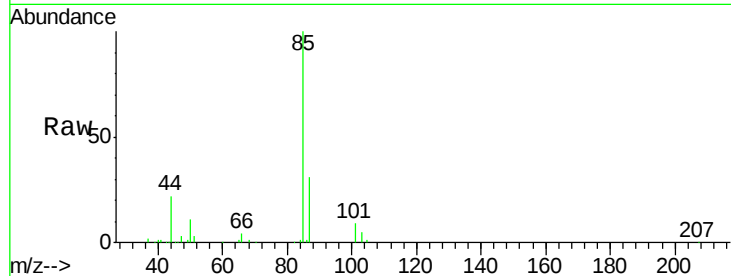
GAHY8

Tot Ion: 85 Resp: 64130

Ion Ratio Lower Upper

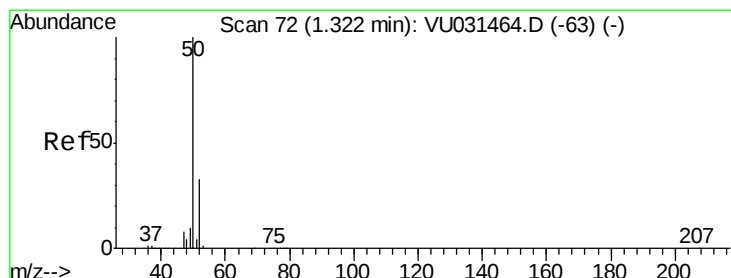
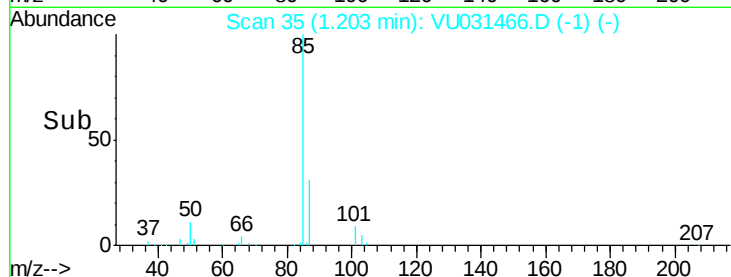
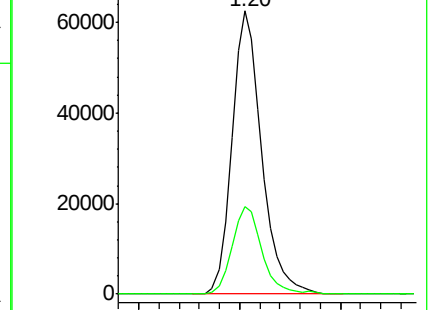
85 100

87 31.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031466.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU031466.D (-26) (-)



#3

Chloromethane

Concen: 6.282 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031466.D

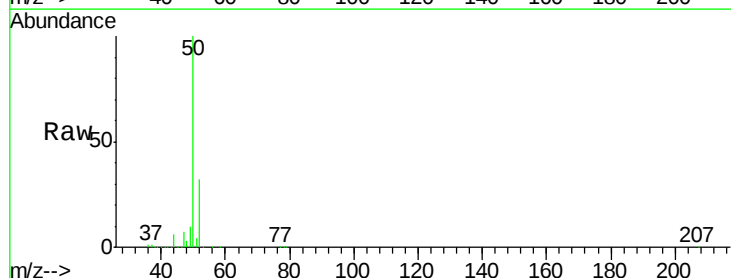
Acq: 24 Apr 2019 13:19

Tgt Ion: 50 Resp: 241170

Ion Ratio Lower Upper

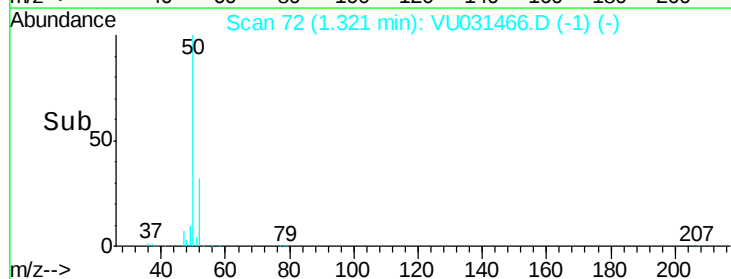
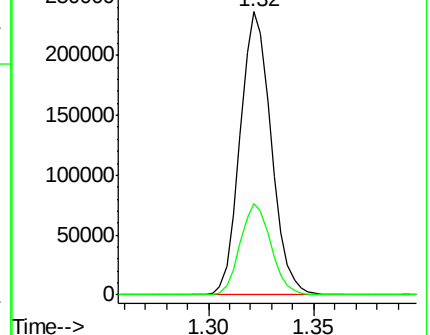
50 100

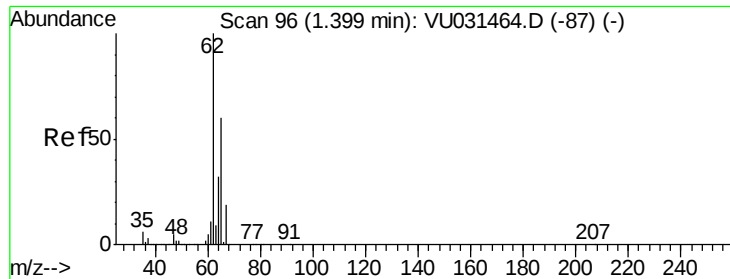
52 32.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031466.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031466.D (-63) (-)





#5

Vinyl chloride

Concen: 4.569 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

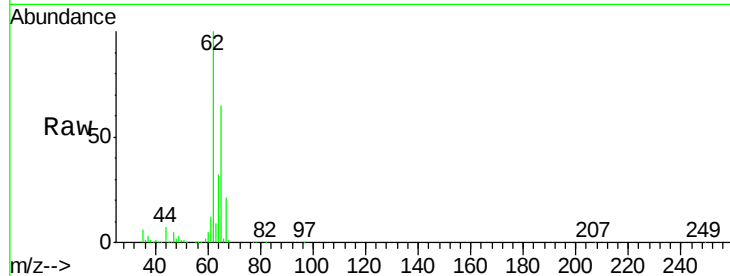
GAHY8

Tot Ion: 62 Resp: 173135

Ion Ratio Lower Upper

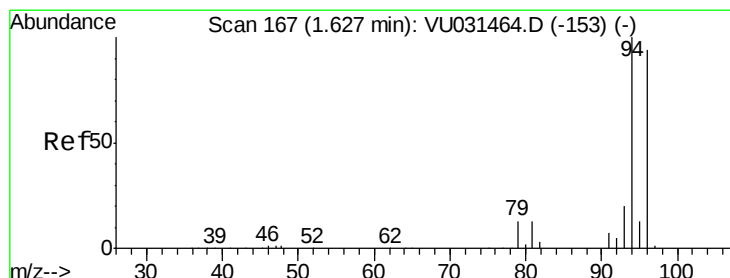
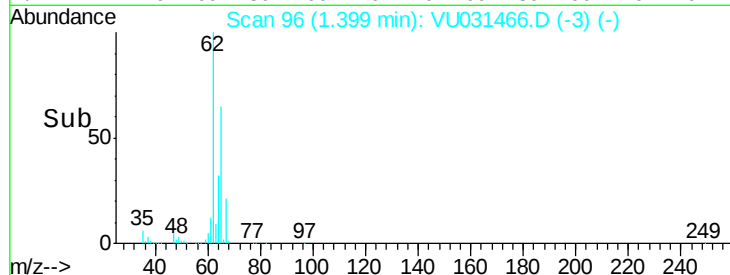
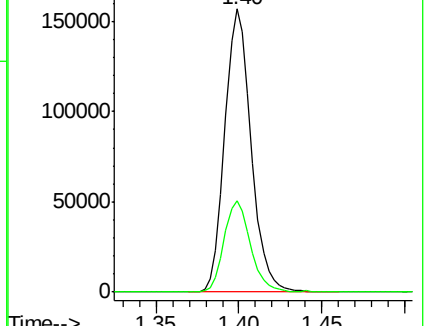
62 100

64 32.2 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.688 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031466.D

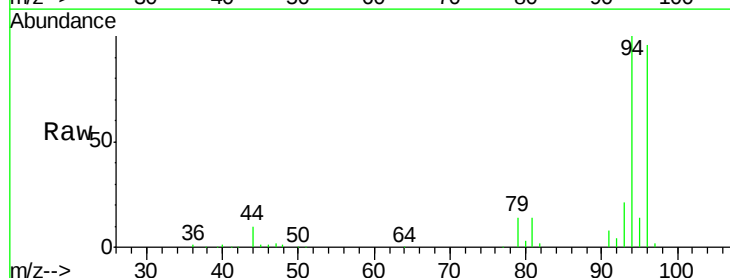
Acq: 24 Apr 2019 13:19

Tgt Ion: 94 Resp: 91222

Ion Ratio Lower Upper

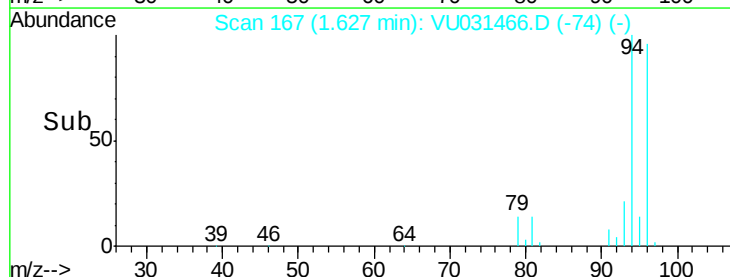
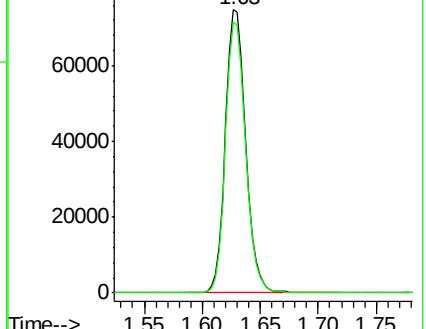
94 100

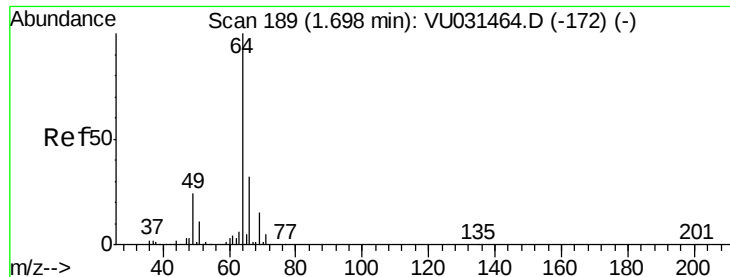
96 95.8 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.240 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

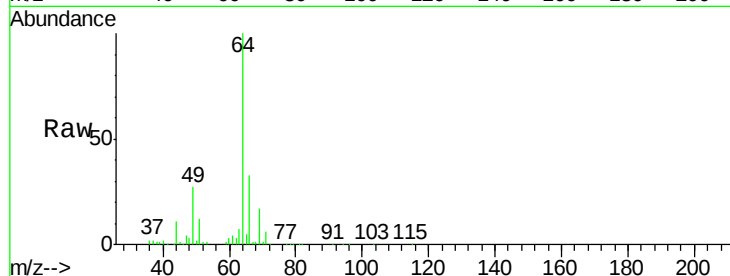
GAHY8

Tot Ion: 64 Resp: 90934

Ion Ratio Lower Upper

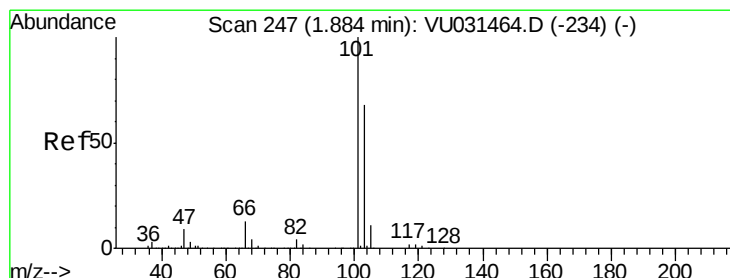
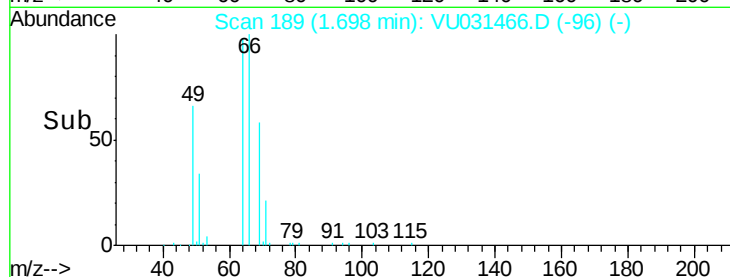
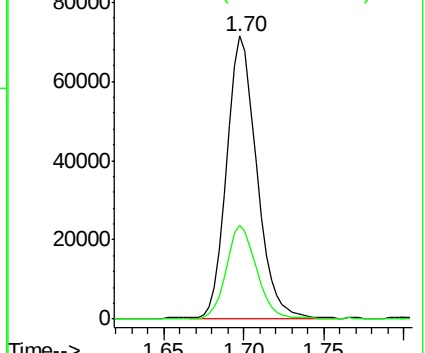
64 100

66 33.3 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 8.768 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU031466.D

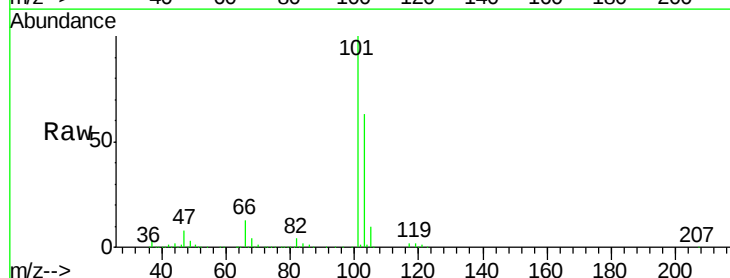
Acq: 24 Apr 2019 13:19

Tgt Ion:101 Resp: 382645

Ion Ratio Lower Upper

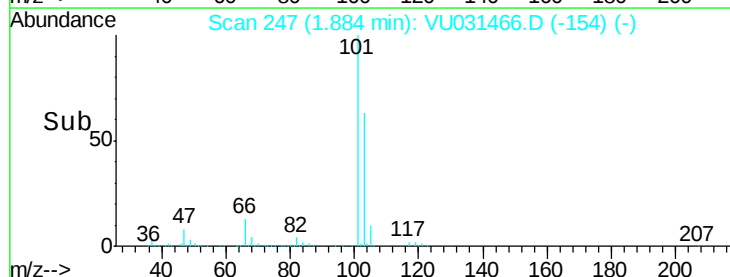
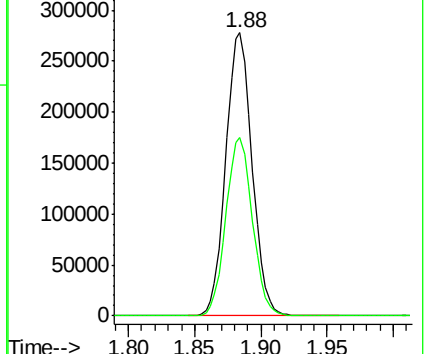
101 100

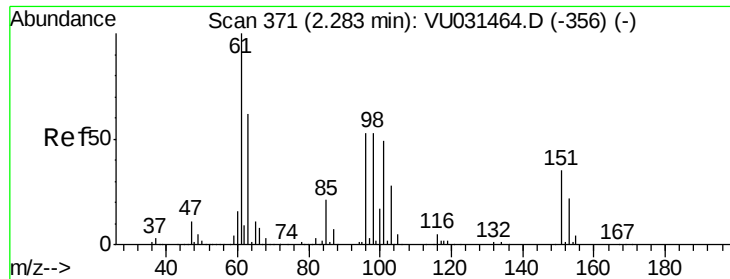
103 63.6 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.126 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

GAHY8

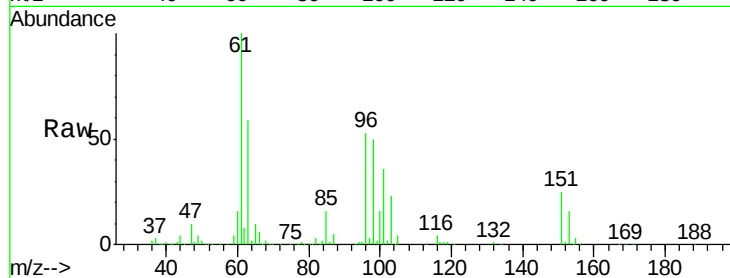
Tot Ion:101 Resp: 104123

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

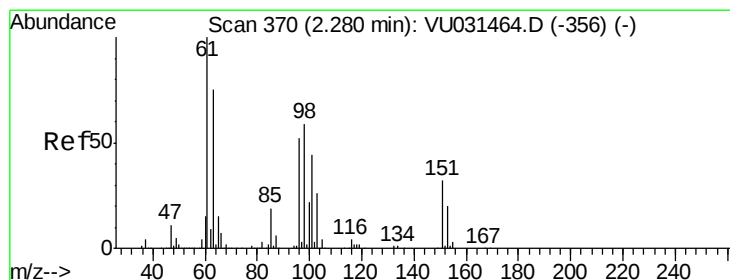
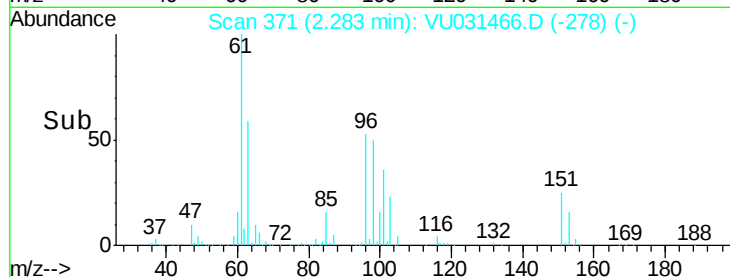
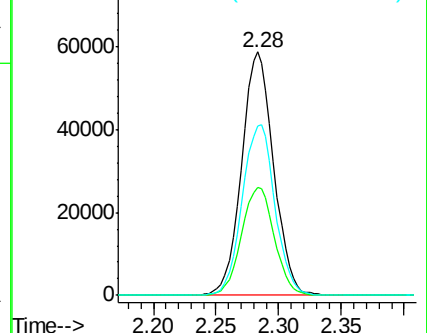
151 71.8 59.2 88.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.477 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

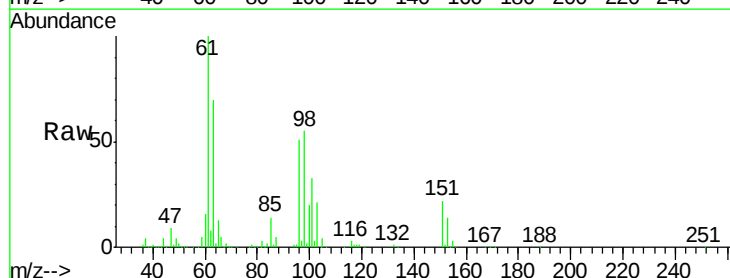
Tgt Ion: 96 Resp: 138206

Ion Ratio Lower Upper

96 100

61 194.6 131.3 243.8

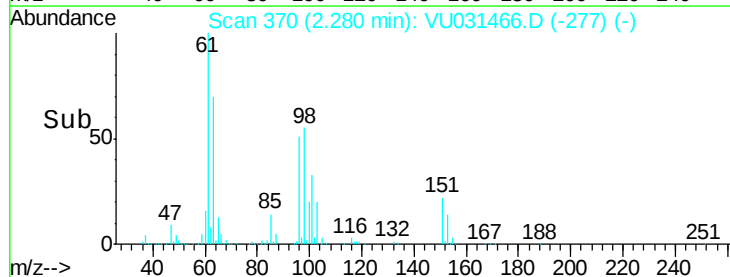
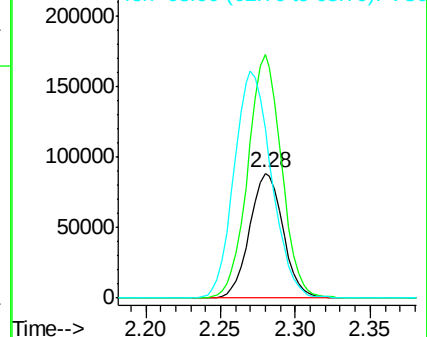
63 135.5 101.9 189.3

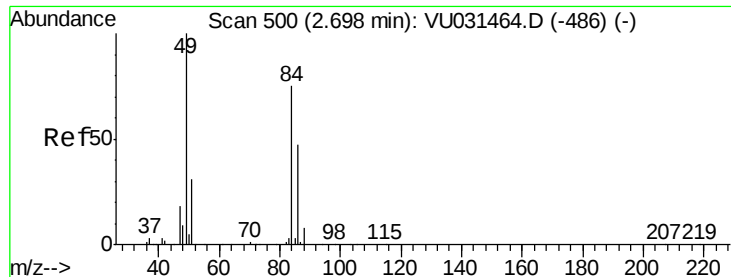


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

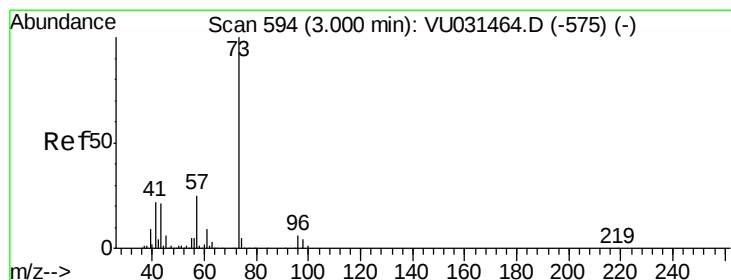
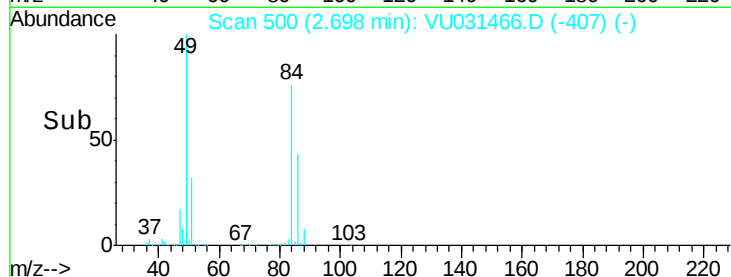
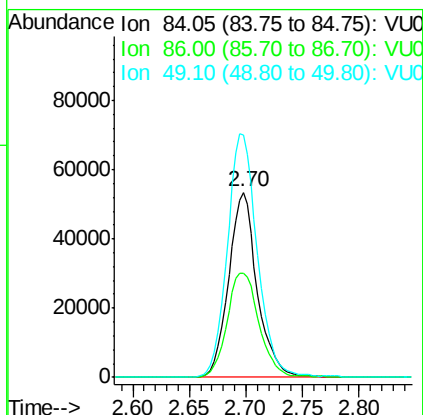
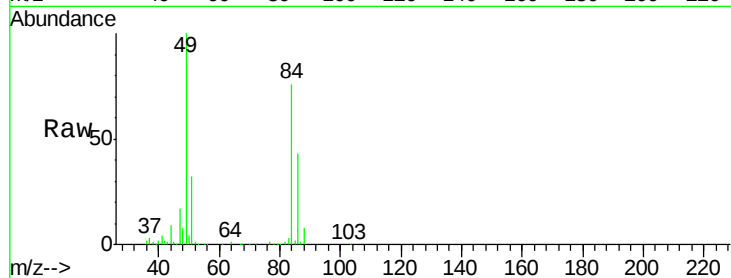




#16  
Methvlene chloride  
Concen: 3.284 ug/L  
RT: 2.70 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: VU031466.D  
Acq: 24 Apr 2019 13:19

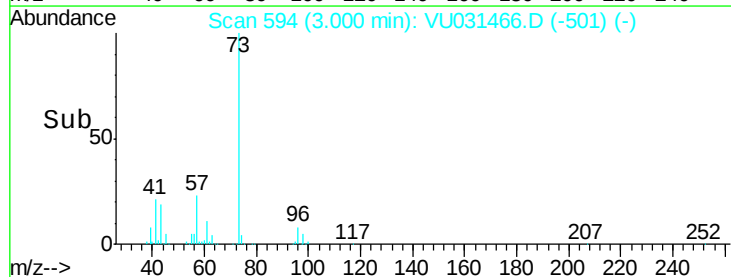
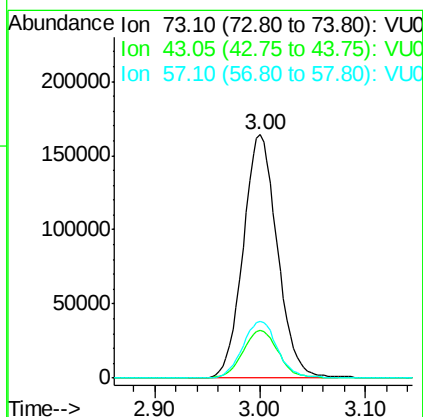
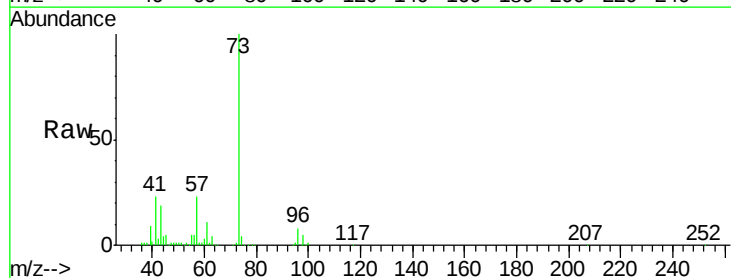
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAHY8

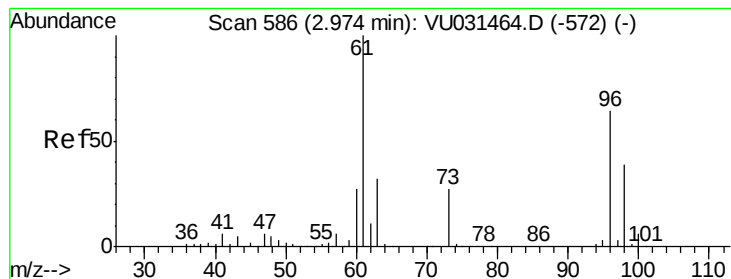
Tot Ion: 84 Resp: 93724  
Ion Ratio Lower Upper  
84 100  
86 56.1 44.9 83.5  
49 131.4 92.9 172.5



#17  
Methyl tert-butyl Ether  
Concen: 5.184 ug/L  
RT: 3.00 min Scan# 594  
Delta R.T. -0.00 min  
Lab File: VU031466.D  
Acq: 24 Apr 2019 13:19

Tgt Ion: 73 Resp: 369321  
Ion Ratio Lower Upper  
73 100  
43 19.9 15.4 23.0  
57 23.7 19.1 28.7





#18

trans-1,2-Dichloroethene

Concen: 6.444 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

GAHY8

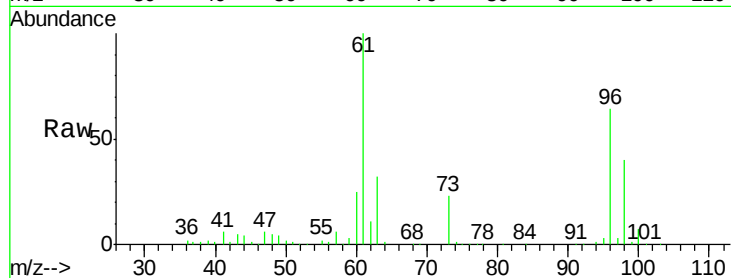
Tot Ion: 96 Resp: 171231

Ion Ratio Lower Upper

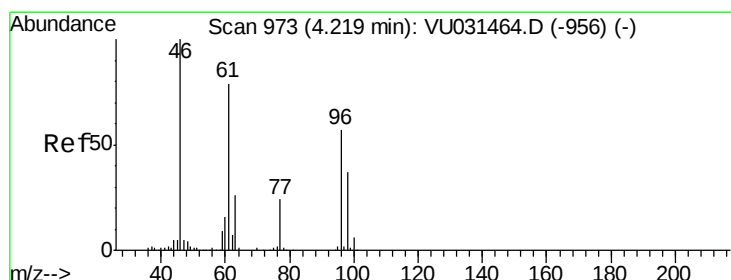
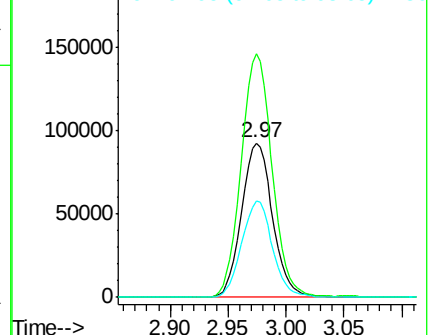
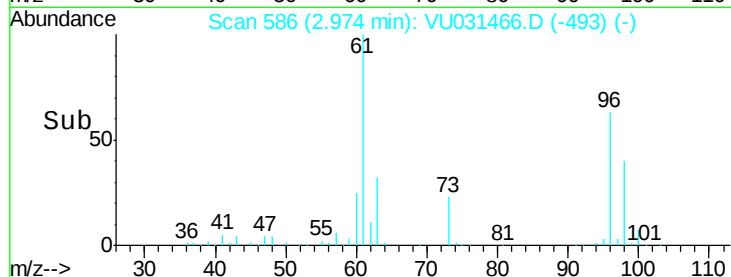
96 100

61 157.4 108.4 201.2

98 62.3 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU031466.D (-493) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.267 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

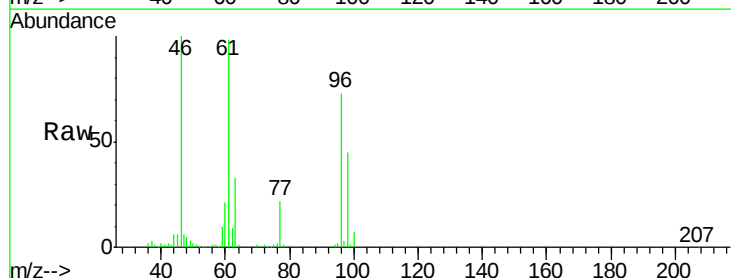
Tgt Ion: 96 Resp: 172295

Ion Ratio Lower Upper

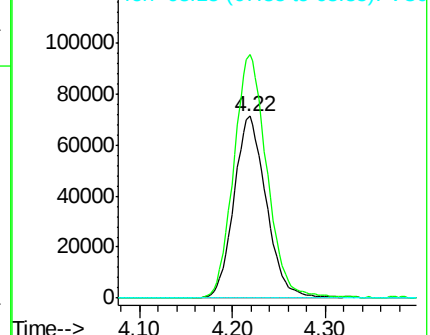
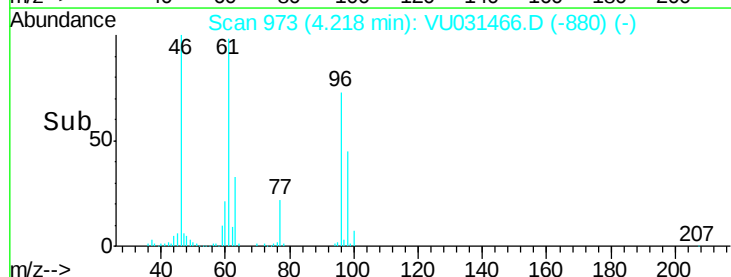
96 100

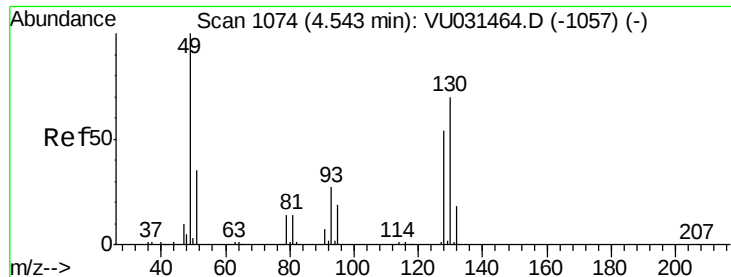
61 133.7 94.8 176.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031466.D (-880) (-)





#23

Bromochloromethane

Concen: 2.126 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampled :

GAHY8

Tot Ion:128 Resp: 25137

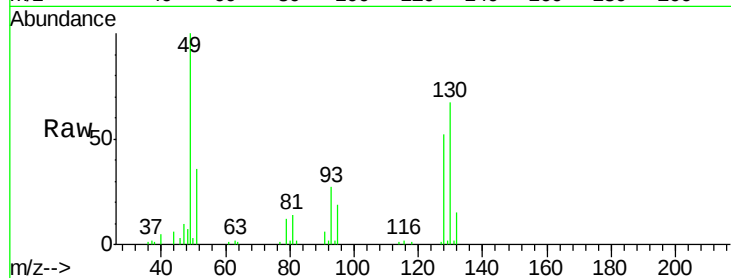
Ion Ratio Lower Upper

128 100

49 193.8 128.9 239.3

130 130.5 91.2 169.4

51 69.9 47.4 71.0

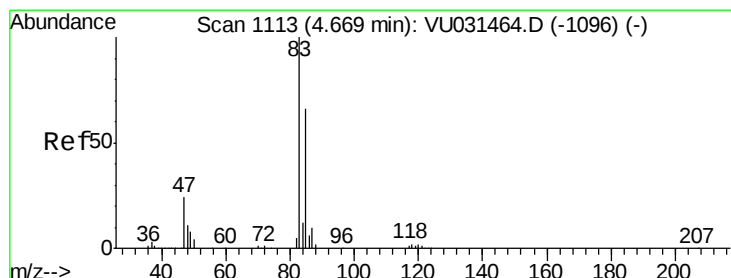
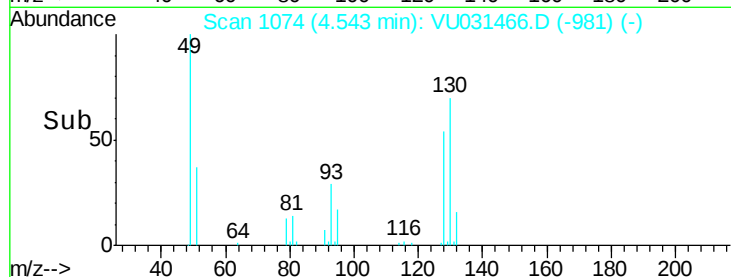
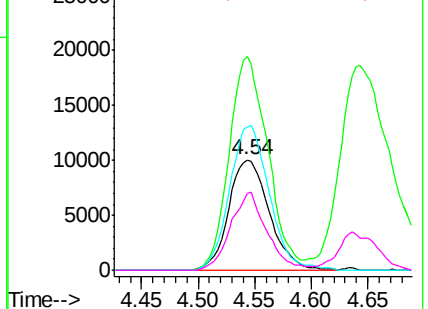


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 4.696 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031466.D

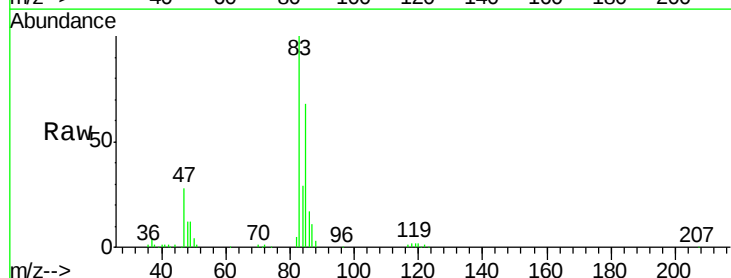
Acq: 24 Apr 2019 13:19

Tgt Ion: 83 Resp: 220175

Ion Ratio Lower Upper

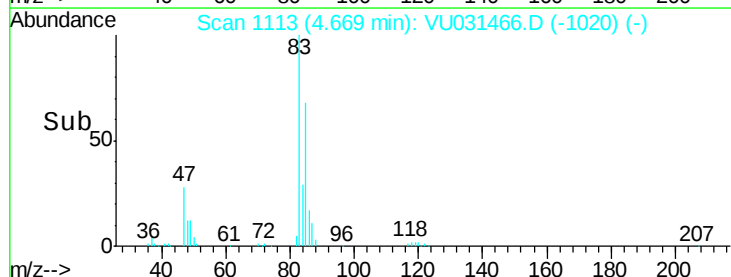
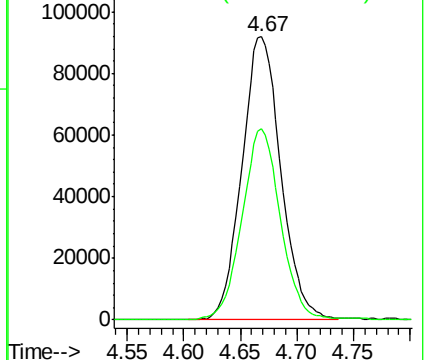
83 100

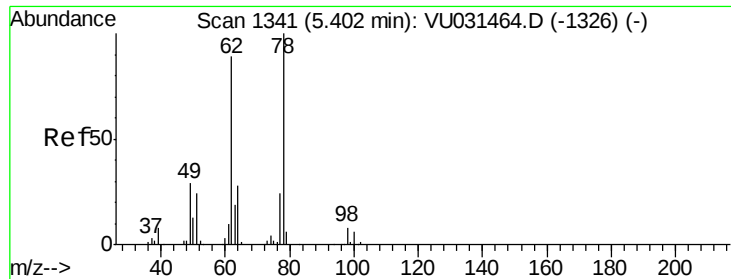
85 67.5 46.0 85.4



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 5.083 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

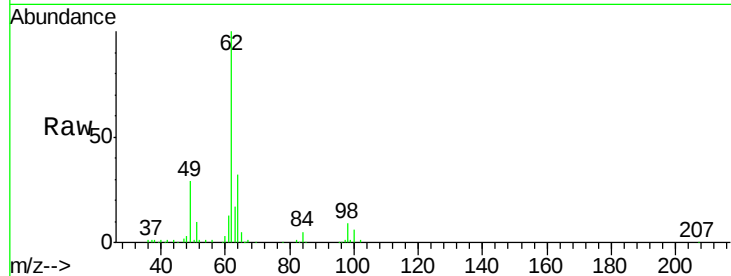
GAHY8

Tot Ion: 62 Resp: 156633

Ion Ratio Lower Upper

62 100

98 8.8 6.5 9.7

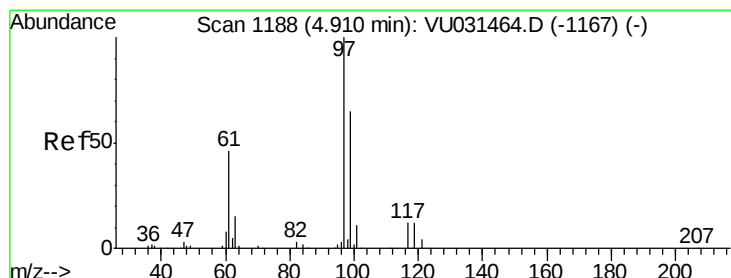
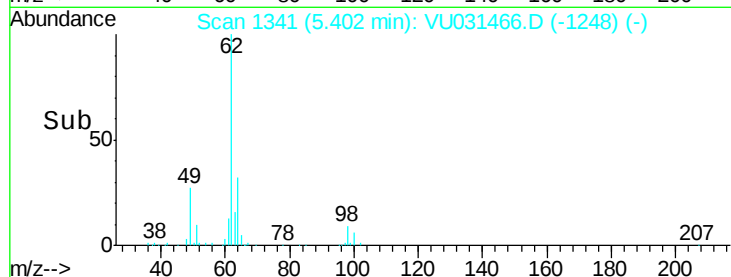


Abundance Ion 62.00 (61.70 to 62.70): VU031466.D (-1248) (-)

Ion 98.05 (97.75 to 98.75): VU031466.D (-1248) (-)

5.40

Time-->



#29

1,1,1-Trichloroethane

Concen: 5.186 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

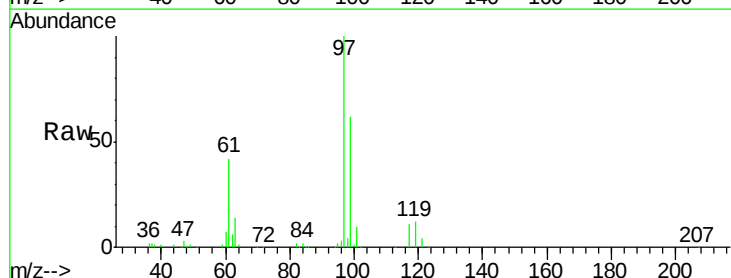
Tgt Ion: 97 Resp: 204213

Ion Ratio Lower Upper

97 100

99 64.1 50.2 75.2

61 46.5 37.0 55.4



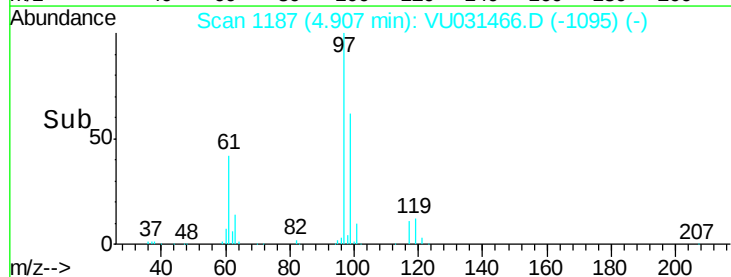
Abundance Ion 96.95 (96.65 to 97.65): VU031466.D (-1095) (-)

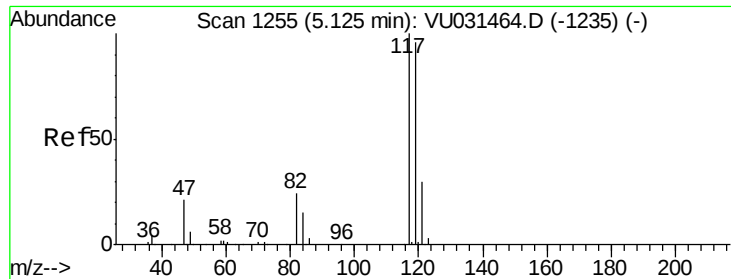
Ion 99.05 (98.75 to 99.75): VU031466.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU031466.D (-1095) (-)

4.91

Time-->

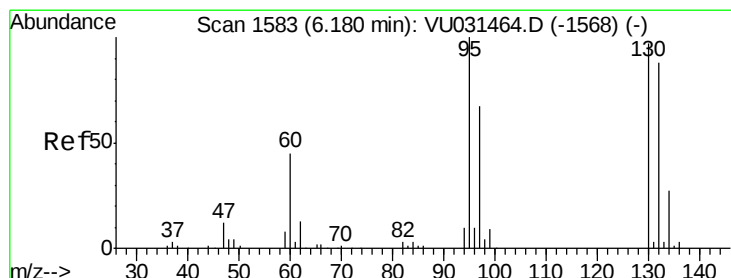
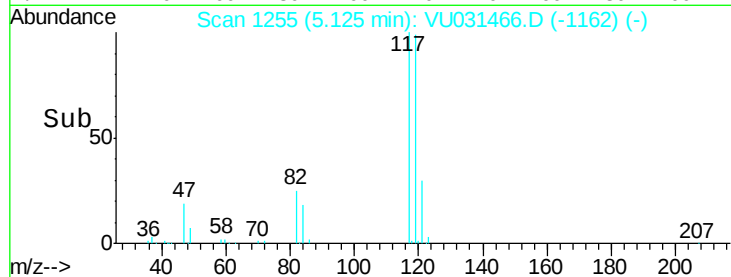
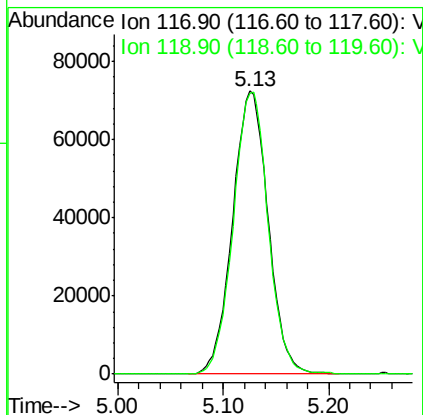
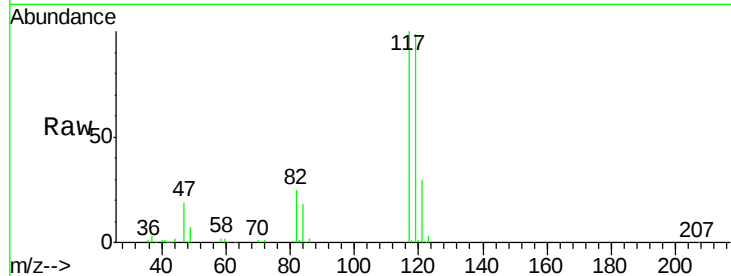




#31  
Carbon tetrachloride  
Concen: 4.998 ug/L  
RT: 5.13 min Scan# 1255  
Delta R.T. -0.00 min  
Lab File: VU031466.D  
Acq: 24 Apr 2019 13:19

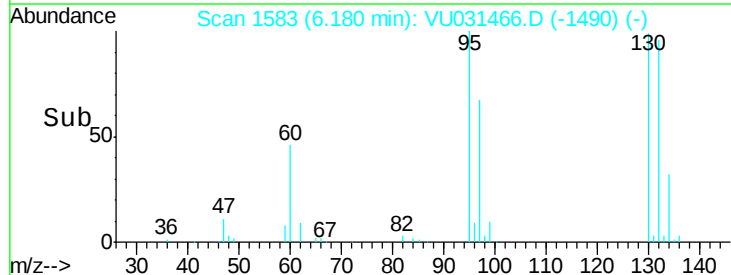
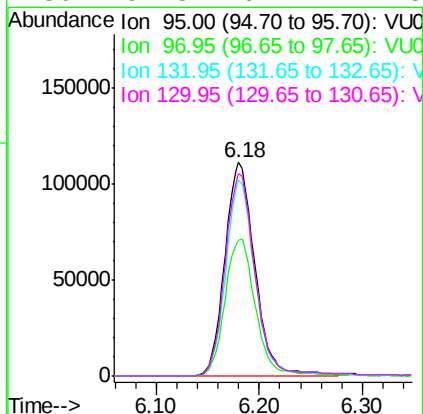
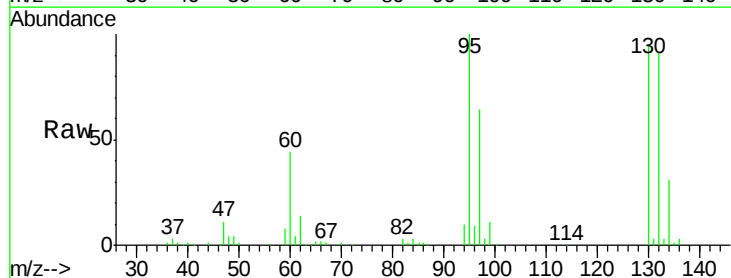
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAHY8

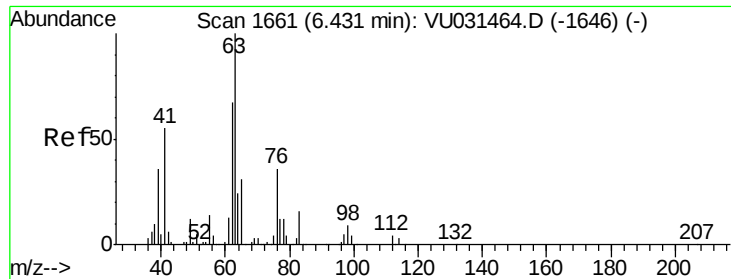
Tot Ion:117 Resp: 169307  
Ion Ratio Lower Upper  
117 100  
119 97.9 76.0 114.0



#34  
Trichloroethene  
Concen: 8.027 ug/L  
RT: 6.18 min Scan# 1583  
Delta R.T. -0.00 min  
Lab File: VU031466.D  
Acq: 24 Apr 2019 13:19

Tgt Ion: 95 Resp: 225051  
Ion Ratio Lower Upper  
95 100  
97 63.8 44.3 82.3  
132 91.4 59.9 111.3  
130 94.8 67.1 124.5

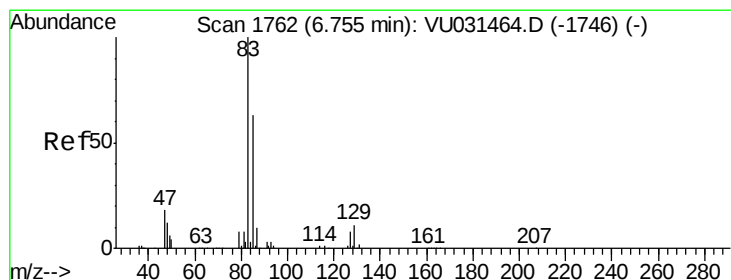
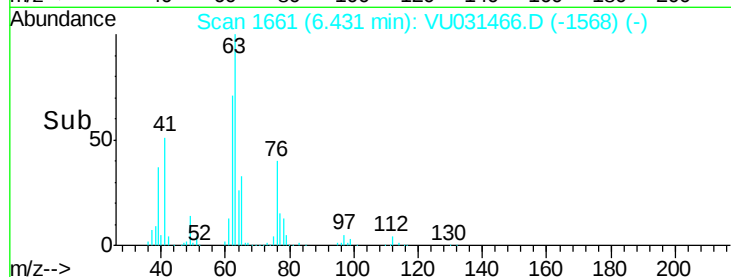
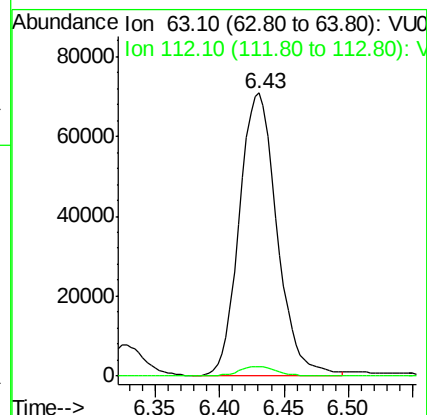
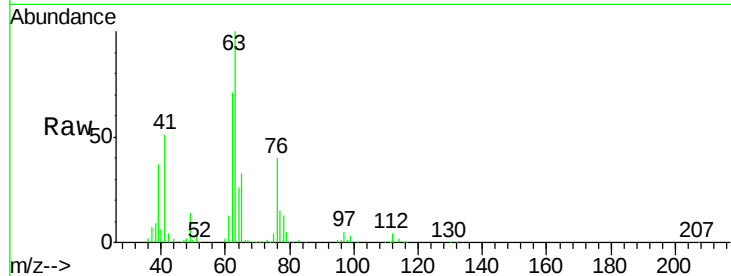




#37  
 1,2-Dichloropropane  
 Concen: 5.023 ug/L  
 RT: 6.43 min Scan# 1661  
 Delta R.T. -0.00 min  
 Lab File: VU031466.D  
 Acq: 24 Apr 2019 13:19

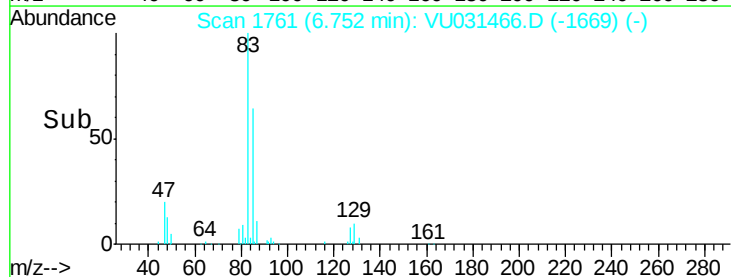
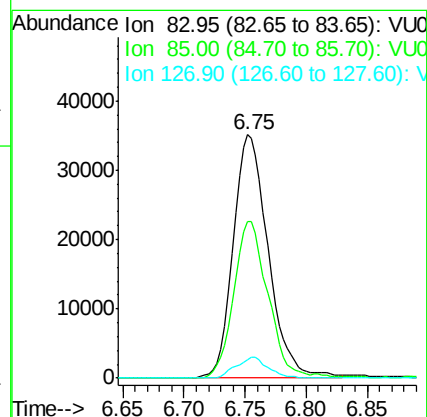
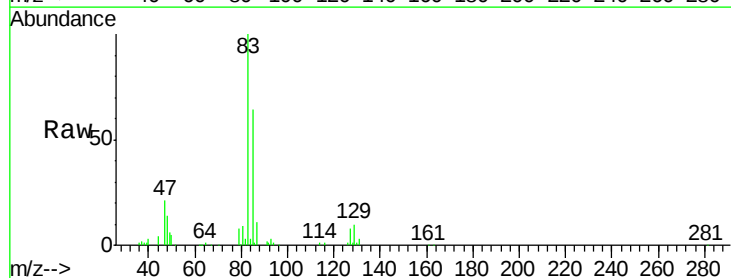
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAHY8

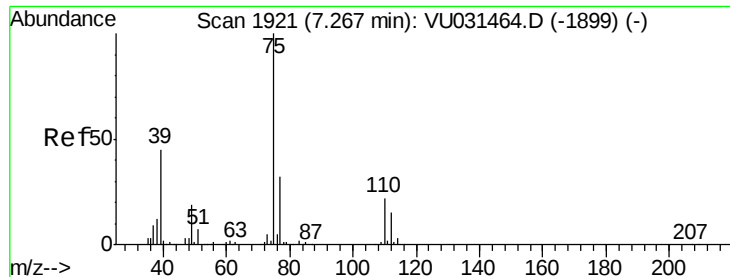
Tot Ion: 63 Resp: 143187  
 Ion Ratio Lower Upper  
 63 100  
 112 3.4 3.0 4.6



#38  
 Bromodichloromethane  
 Concen: 2.109 ug/L  
 RT: 6.75 min Scan# 1761  
 Delta R.T. -0.00 min  
 Lab File: VU031466.D  
 Acq: 24 Apr 2019 13:19

Tgt Ion: 83 Resp: 70348  
 Ion Ratio Lower Upper  
 83 100  
 85 64.2 44.8 83.2  
 127 7.6 6.5 9.7

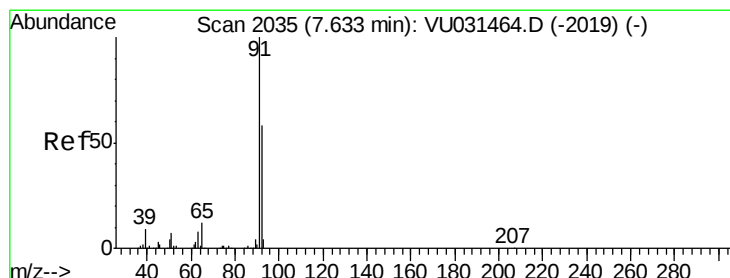
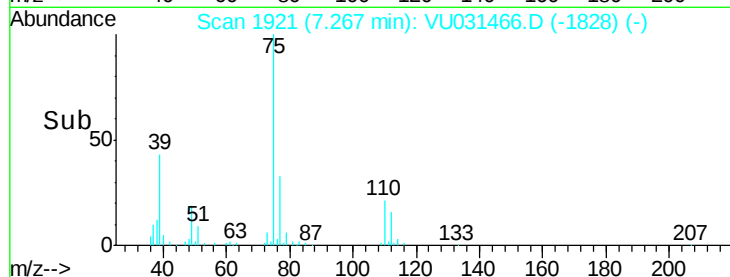
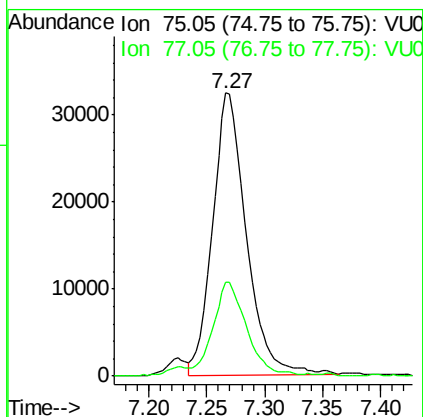
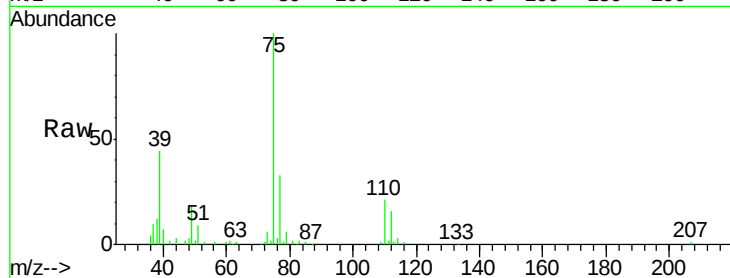




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.657 ug/L  
 RT: 7.27 min Scan# 1921  
 Delta R.T. -0.00 min  
 Lab File: VU031466.D  
 Acq: 24 Apr 2019 13:19

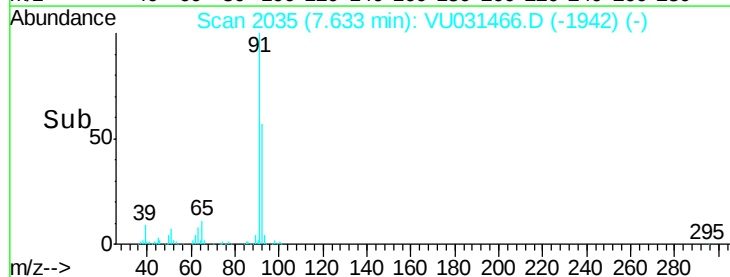
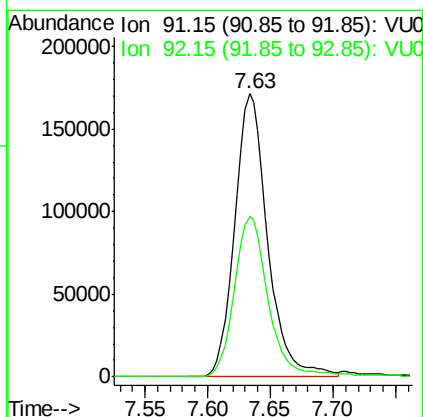
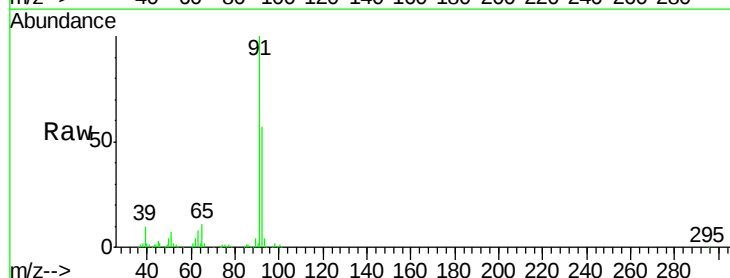
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 GAHY8

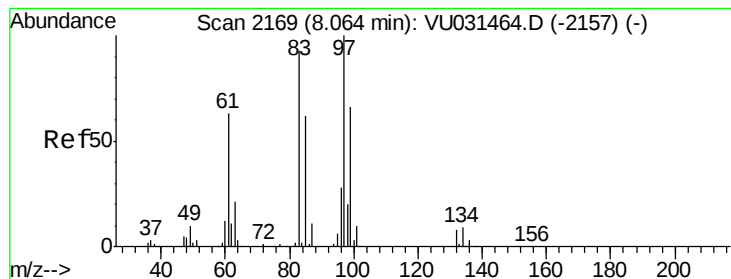
Tot Ion: 75 Resp: 65679  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 21.9 40.7



#42  
 Toluene  
 Concen: 2.923 ug/L  
 RT: 7.63 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: VU031466.D  
 Acq: 24 Apr 2019 13:19

Tgt Ion: 91 Resp: 312100  
 Ion Ratio Lower Upper  
 91 100  
 92 56.5 40.7 75.5





#45

1,1,2-Trichloroethane

Concen: 8.241 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

GAHY8

Tot Ion: 97 Resp: 160082

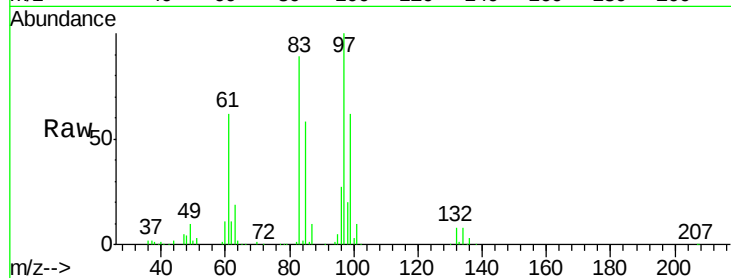
Ion Ratio Lower Upper

97 100

99 61.9 41.2 76.6

83 88.9 62.2 115.4

85 58.0 39.2 72.8

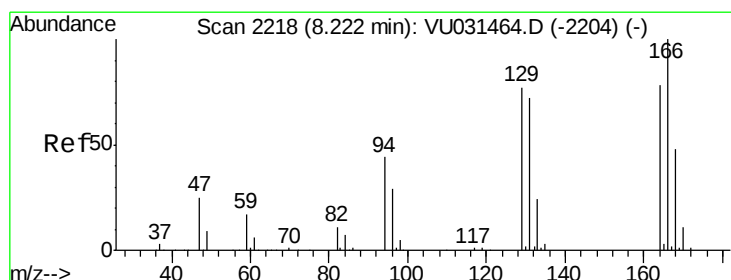
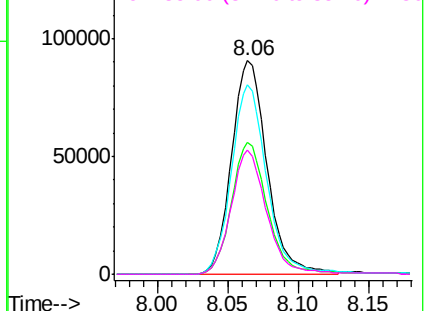
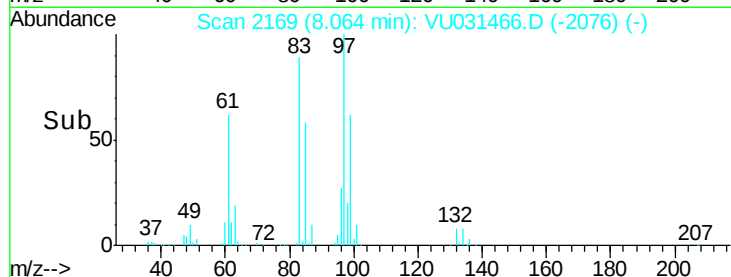


Abundance Ion 96.95 (96.65 to 97.65): VU031466.D (-2076) (-)

Ion 99.05 (98.75 to 99.75): VU031466.D (-2076) (-)

Ion 82.95 (82.65 to 83.65): VU031466.D (-2076) (-)

Ion 85.00 (84.70 to 85.70): VU031466.D (-2076) (-)



#47

Tetrachloroethene

Concen: 5.020 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Tgt Ion: 164 Resp: 98340

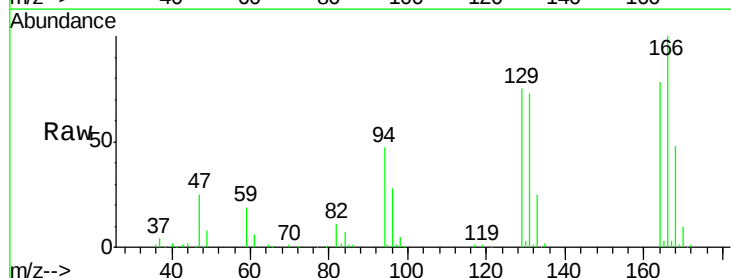
Ion Ratio Lower Upper

164 100

129 95.9 67.5 125.3

131 93.7 64.0 119.0

166 127.6 88.5 164.4

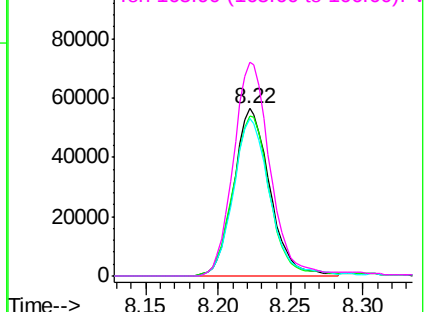
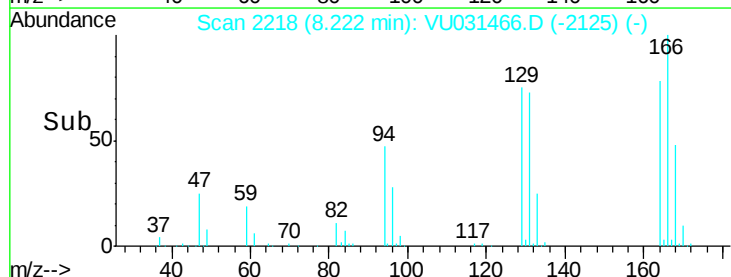


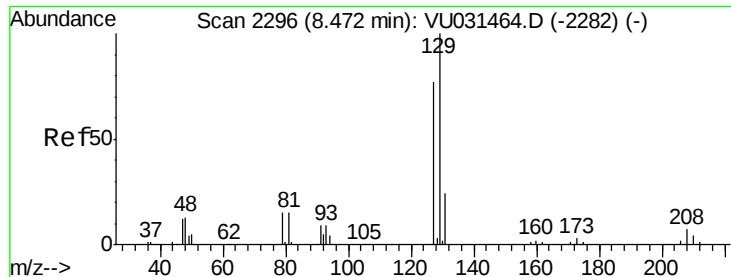
Abundance Ion 163.90 (163.60 to 164.60): VU031466.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VU031466.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VU031466.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VU031466.D (-2125) (-)





#49

Dibromochloromethane

Concen: 5.966 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

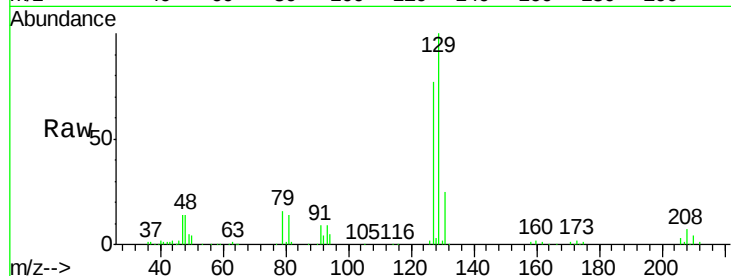
GAHY8

Tot Ion:129 Resp: 129886

Ion Ratio Lower Upper

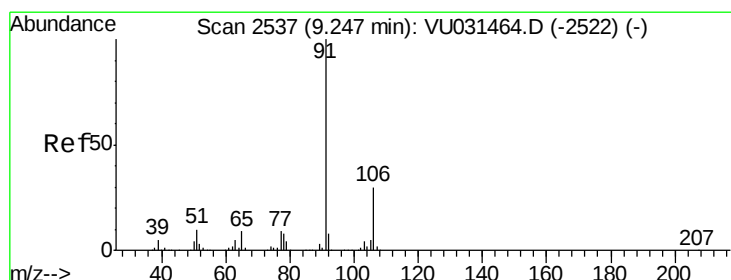
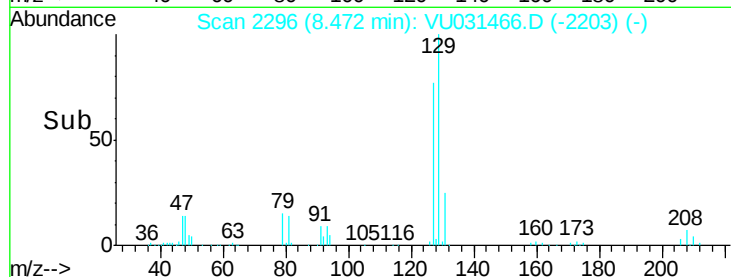
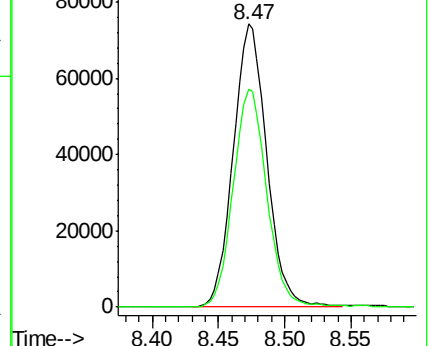
129 100

127 77.3 56.6 105.0



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

Ethylbenzene

Concen: 10.060 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031466.D

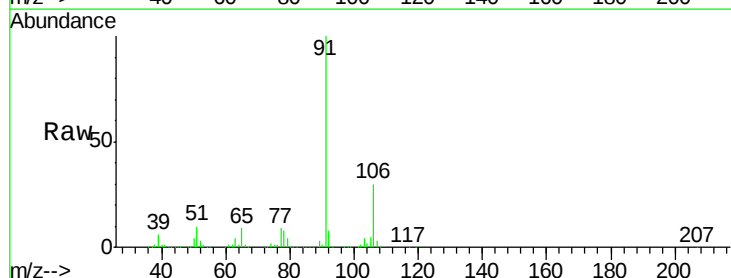
Acq: 24 Apr 2019 13:19

Tgt Ion: 91 Resp: 1143551

Ion Ratio Lower Upper

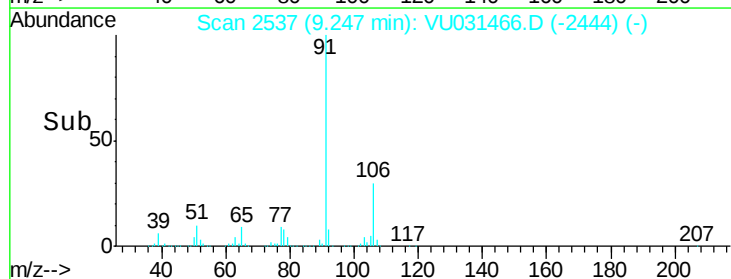
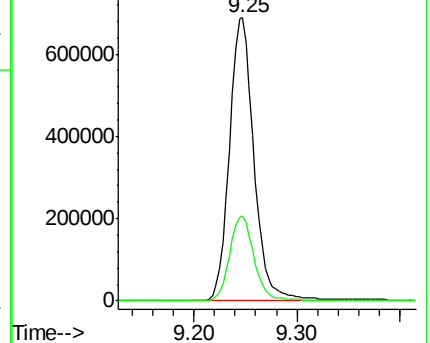
91 100

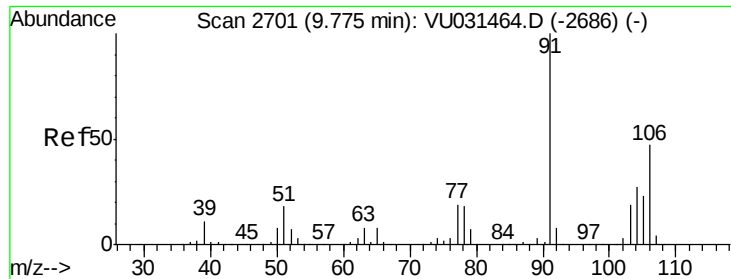
106 29.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

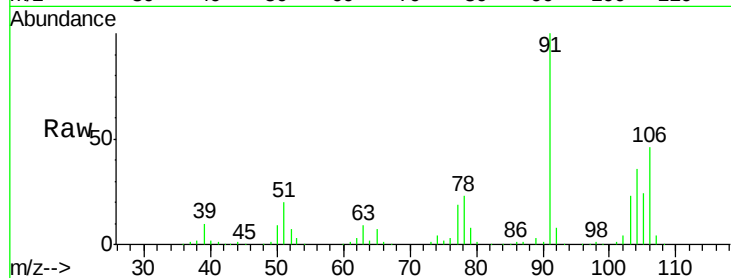




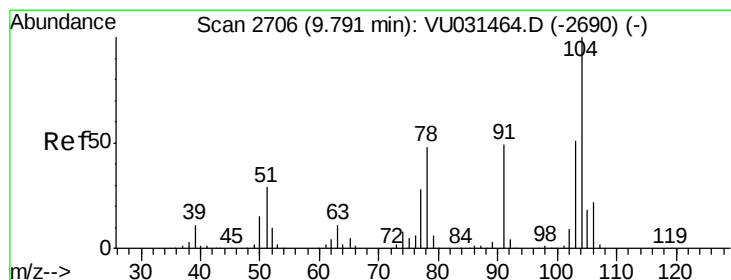
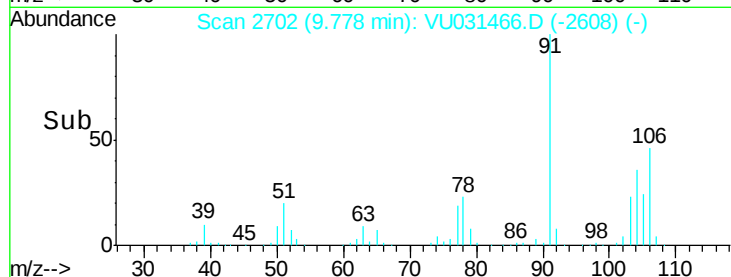
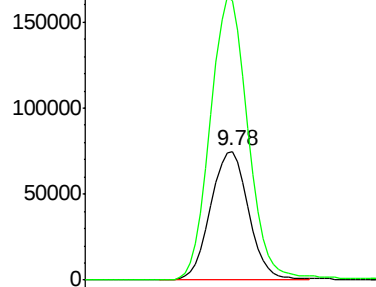
#54  
o-Xylene  
Concen: 3.036 ug/L  
RT: 9.78 min Scan# 2702  
Delta R.T. 0.00 min  
Lab File: VU031466.D  
Acq: 24 Apr 2019 13:19

Instrument :  
MSVOA\_U  
ClientSampled :  
GAHY8

Tot Ion:106 Resp: 121351  
Ion Ratio Lower Upper  
106 100  
91 216.7 152.7 283.7

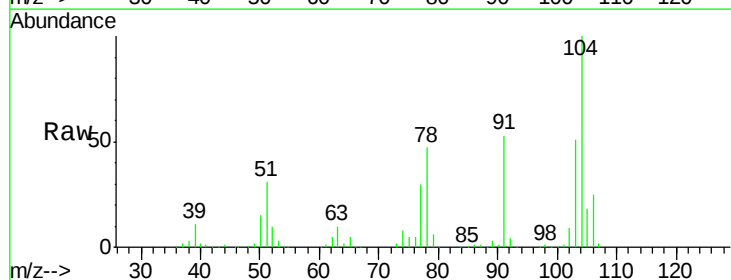


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VU0

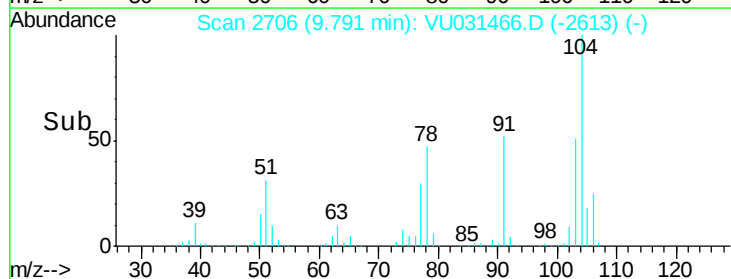
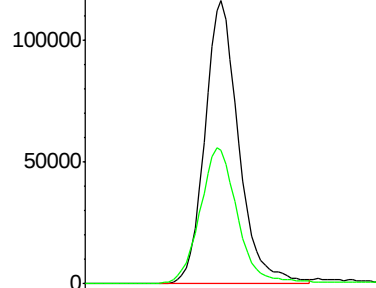


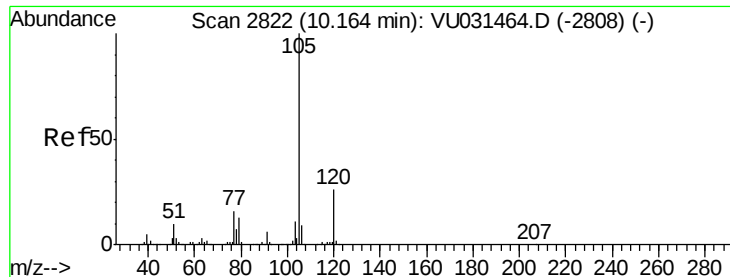
#55  
Styrene  
Concen: 3.025 ug/L  
RT: 9.79 min Scan# 2706  
Delta R.T. -0.00 min  
Lab File: VU031466.D  
Acq: 24 Apr 2019 13:19

Tgt Ion:104 Resp: 199994  
Ion Ratio Lower Upper  
104 100  
78 47.1 32.1 59.5



Abundance Ion 104.10 (103.80 to 104.80): V  
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 7.300 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

GAHY8

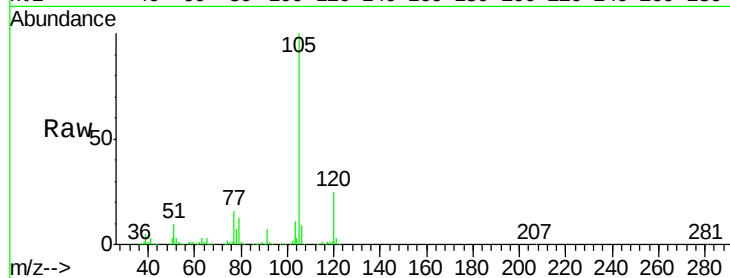
Tot Ion:105 Resp: 770925

Ion Ratio Lower Upper

105 100

120 24.9 20.8 31.2

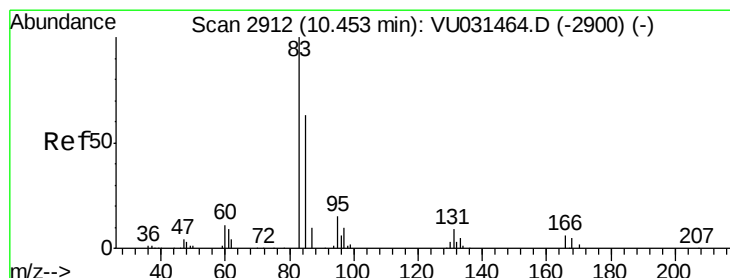
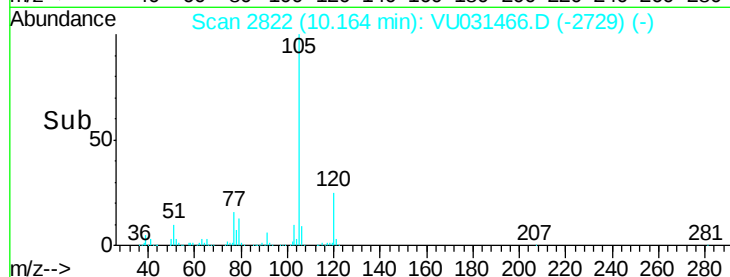
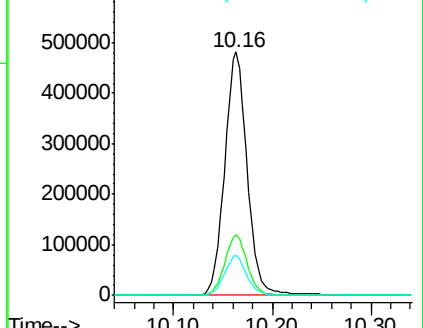
77 16.3 13.2 19.8



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



#58

1,1,2,2-Tetrachloroethane

Concen: 4.667 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

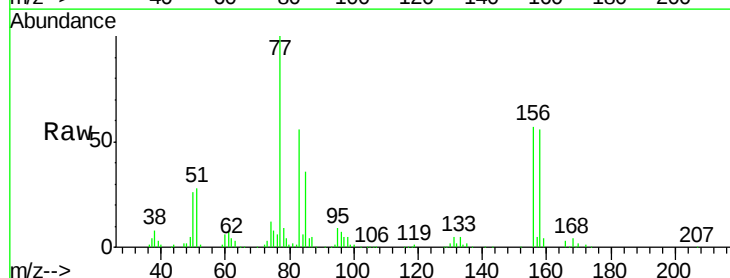
Tgt Ion: 83 Resp: 115364

Ion Ratio Lower Upper

83 100

85 63.2 42.8 79.4

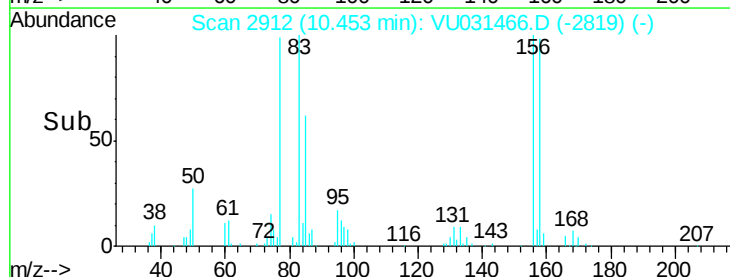
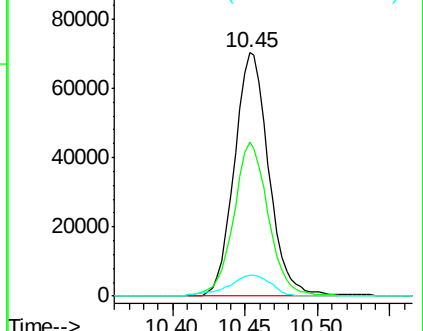
131 8.8 7.0 10.4

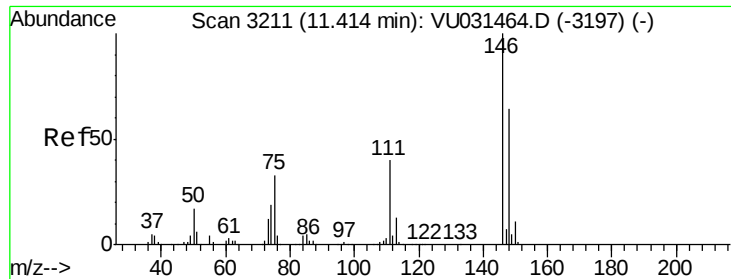


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#62

1,3-Dichlorobenzene

Concen: 2.162 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

Instrument :

MSVOA\_U

ClientSampleId :

GAHY8

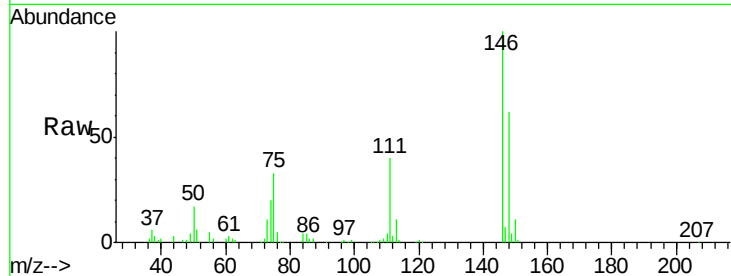
Tot Ion:146 Resp: 98287

Ion Ratio Lower Upper

146 100

111 39.8 28.5 52.9

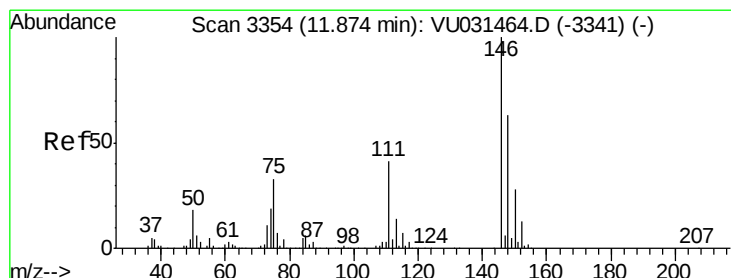
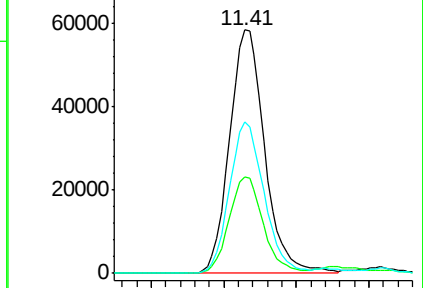
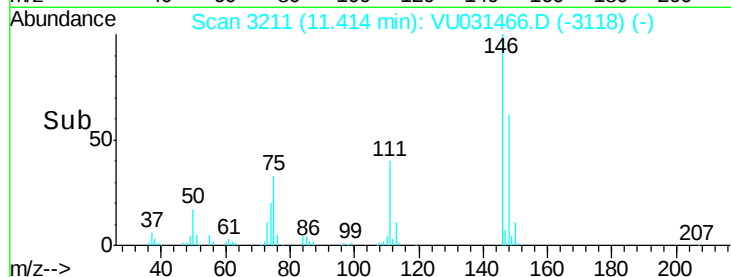
148 62.1 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.070 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031466.D

Acq: 24 Apr 2019 13:19

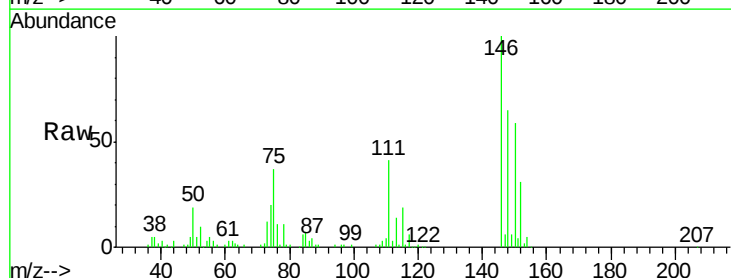
Tgt Ion:146 Resp: 93329

Ion Ratio Lower Upper

146 100

111 40.7 34.0 51.0

148 65.3 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

