

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062618\  
 Data File : VX002912.D  
 Acq On : 26 Jun 2018 23:43  
 Operator : JC/MD  
 Sample : J3707-06 50X  
 Misc : 5.60g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021SB488-31-33-180622

Quant Time: Jun 27 04:23:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 254475   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 354720   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 327729   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 189339   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 171572   | 48.78 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.56% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 135516   | 48.24 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.48% |          |
| 50) Toluene-d8              | 8.72  | 98   | 500523   | 48.79 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.58% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 179197   | 45.30 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.60% |          |

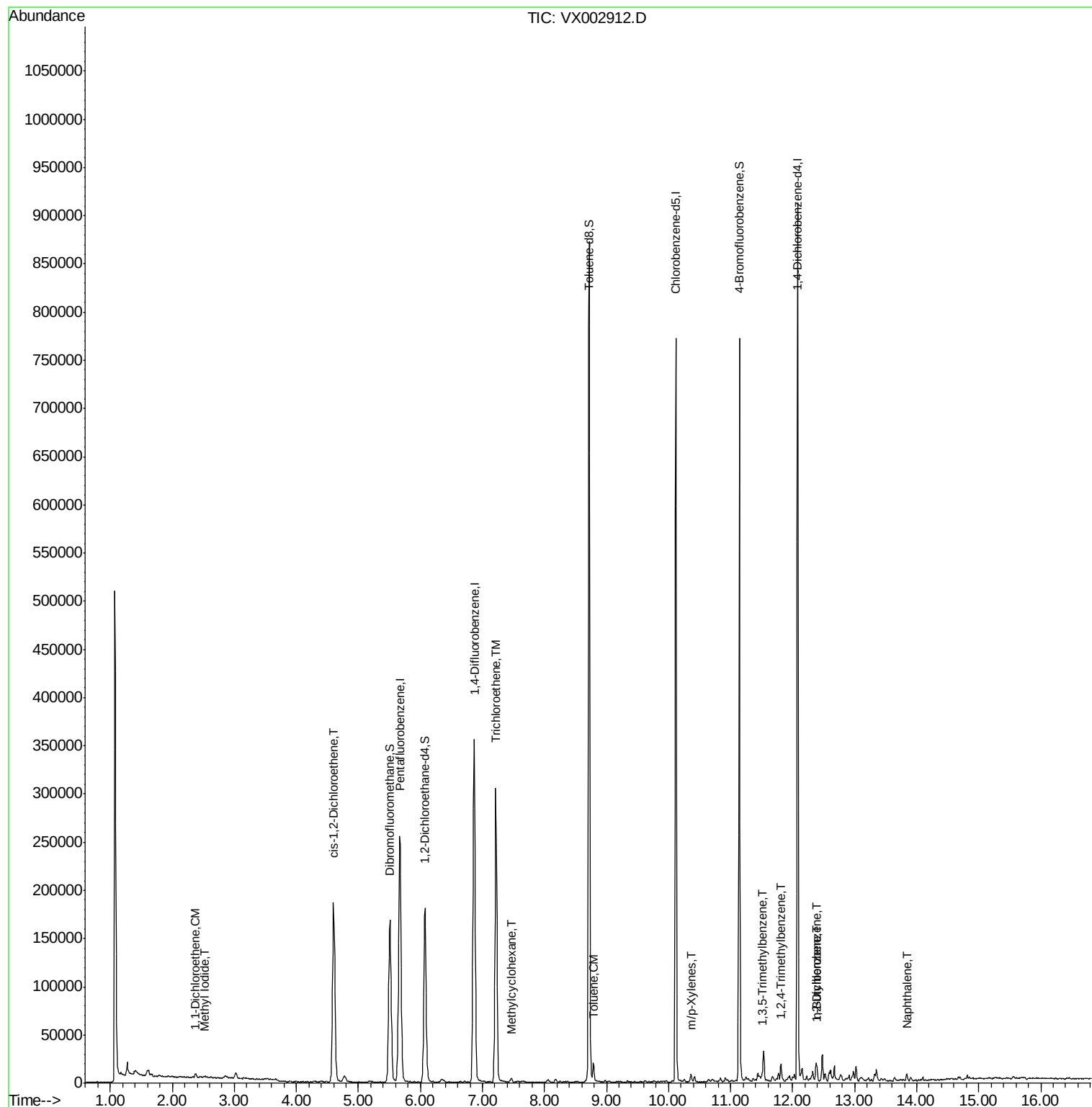
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 10) Methyl Iodide          | 2.52  | 142  | 1967     | 6.83  | ug/l   | 99     |
| 12) 1,1-Dichloroethene     | 2.38  | 96   | 1240     | 0.49  | ug/l # | 76     |
| 27) cis-1,2-Dichloroethene | 4.60  | 96   | 116347   | 37.96 | ug/l   | 85     |
| 39) Methylcyclohexane      | 7.47  | 83   | 1389     | 0.31  | ug/l # | 88     |
| 44) Trichloroethene        | 7.21  | 130  | 119963   | 35.60 | ug/l   | 97     |
| 52) Toluene                | 8.79  | 92   | 6184     | 0.85  | ug/l   | 99     |
| 68) m/p-Xylenes            | 10.36 | 106  | 1716     | 0.32  | ug/l   | 97     |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 3269     | 0.30  | ug/l   | 93     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 6626     | 0.60  | ug/l   | 97     |
| 89) n-Butylbenzene         | 12.39 | 91   | 3370     | 0.34  | ug/l # | 53     |
| 91) 1,2-Dichlorobenzene    | 12.40 | 146  | 1786     | 0.27  | ug/l   | 94     |
| 95) Naphthalene            | 13.84 | 128  | 4433     | 0.34  | ug/l   | 99     |

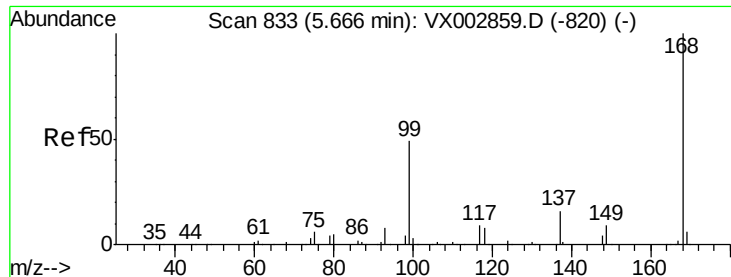
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062618\  
Data File : VX002912.D  
Acq On : 26 Jun 2018 23:43  
Operator : JC/MD  
Sample : J3707-06 50X  
Misc : 5.60µ/5mL/100µL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB488-31-33-180622

Quant Time: Jun 27 04:23:54 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

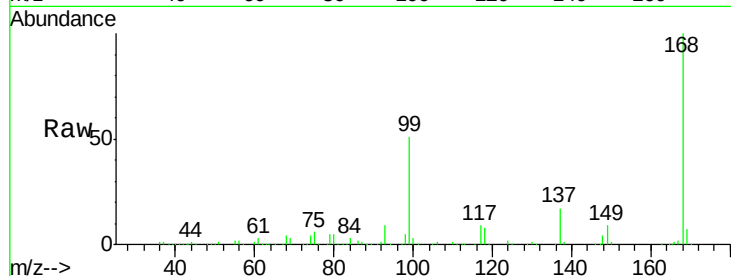
WP021SB488-31-33-180622

Tot Ion:168 Resp: 254475

Ion Ratio Lower Upper

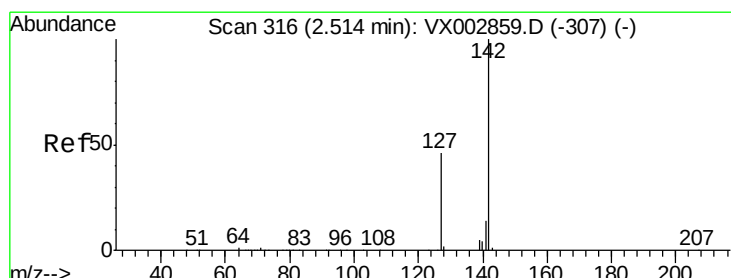
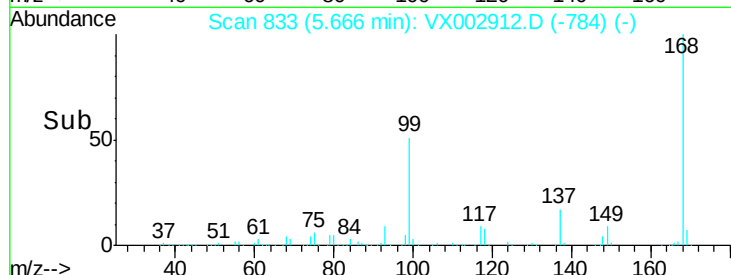
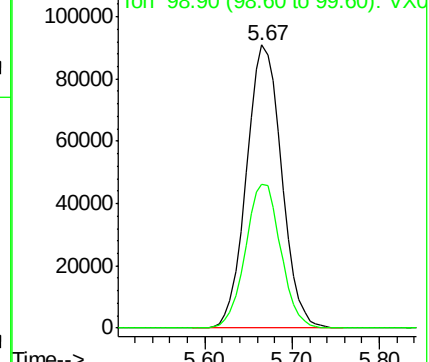
168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.83 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

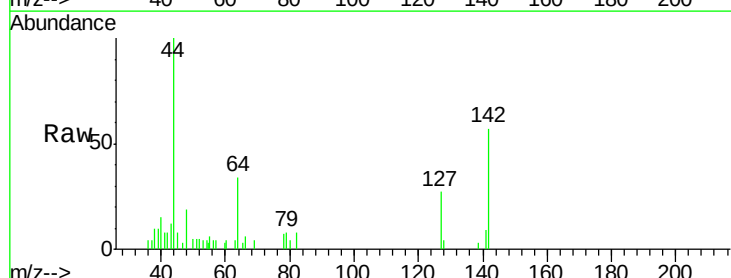
Tgt Ion:142 Resp: 1967

Ion Ratio Lower Upper

142 100

127 45.4 36.6 55.0

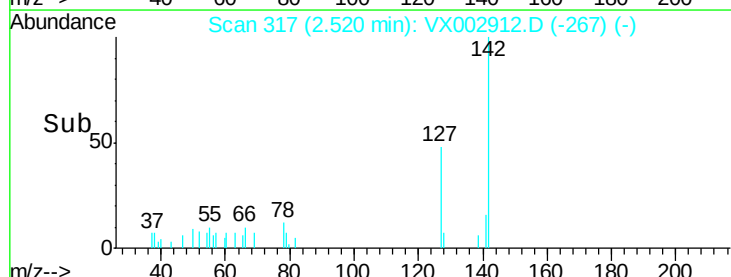
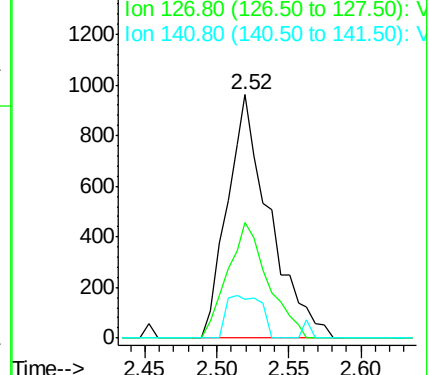
141 14.4 11.3 16.9

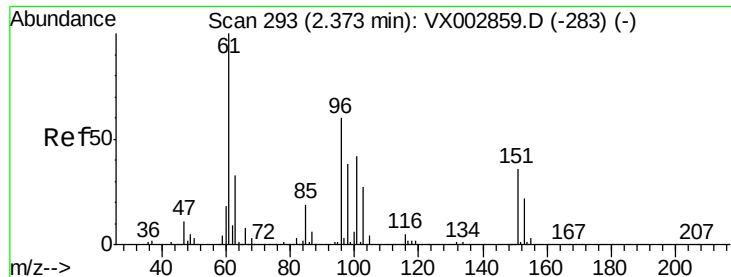


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

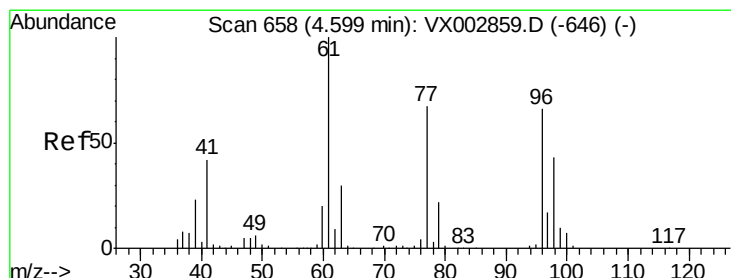
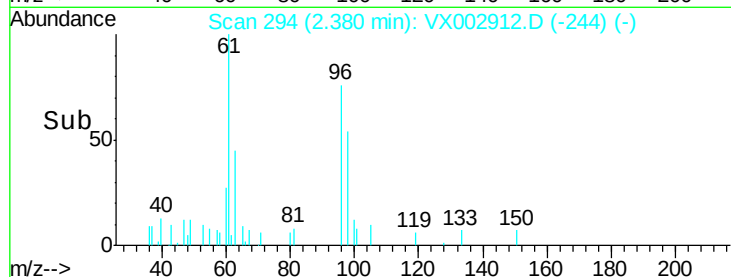
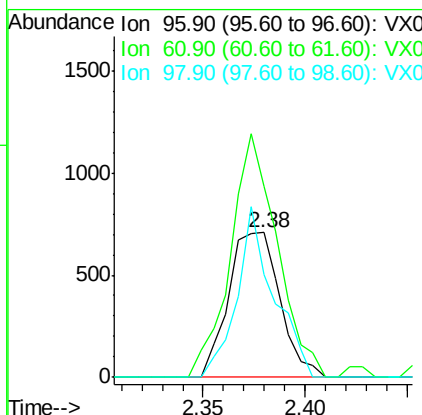
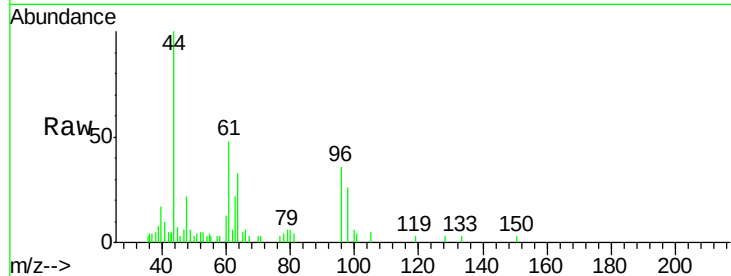




#12  
 1,1-Dichloroethene  
 Concen: 0.49 ug/l  
 RT: 2.38 min Scan# 294  
 Delta R.T. 0.01 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

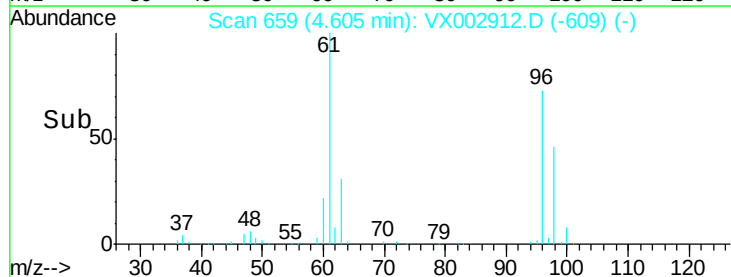
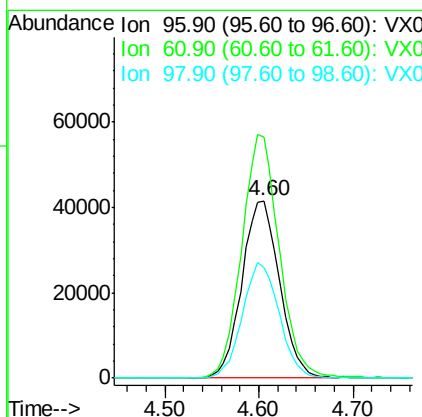
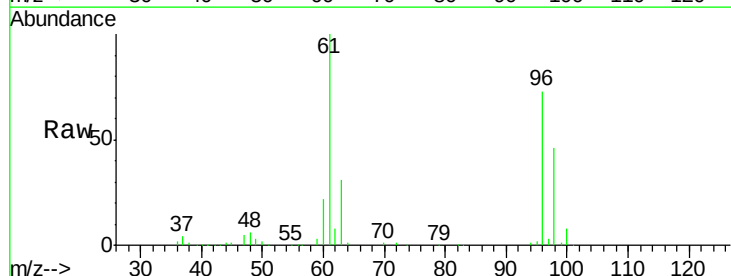
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 MSVOA\_X  
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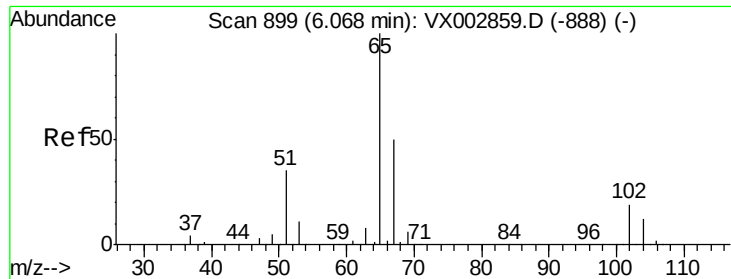
Tot Ion: 96 Resp: 1240  
 Ion Ratio Lower Upper  
 96 100  
 61 131.8 137.9 206.9#  
 98 71.3 51.6 77.4



#27  
 cis-1,2-Dichloroethene  
 Concen: 37.96 ug/l  
 RT: 4.60 min Scan# 659  
 Delta R.T. 0.01 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

Tgt Ion: 96 Resp: 116347  
 Ion Ratio Lower Upper  
 96 100  
 61 137.5 0.0 330.2  
 98 64.0 0.0 130.2

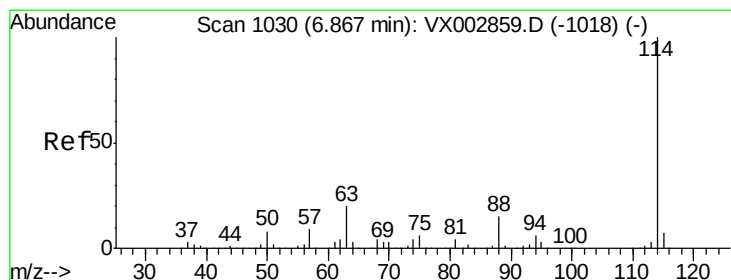
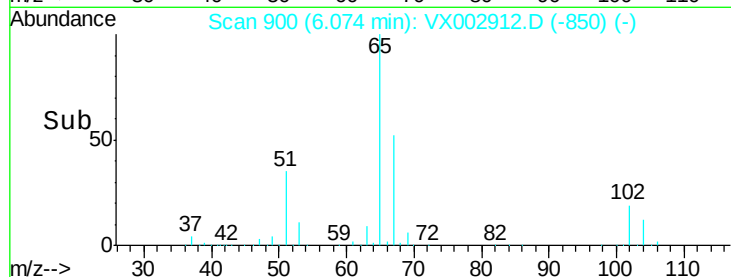
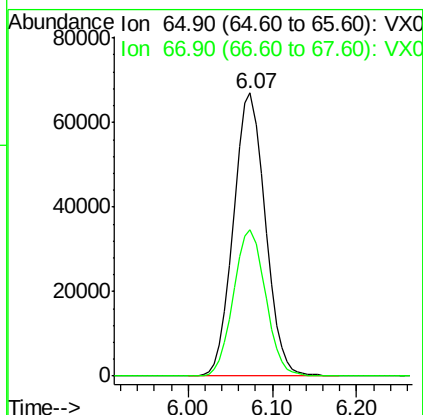
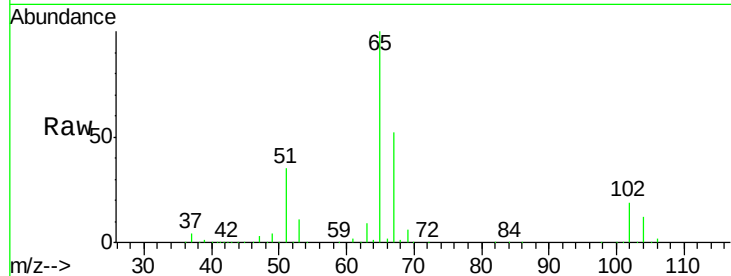




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.78 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

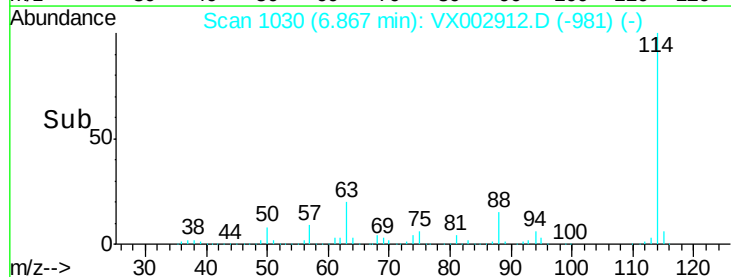
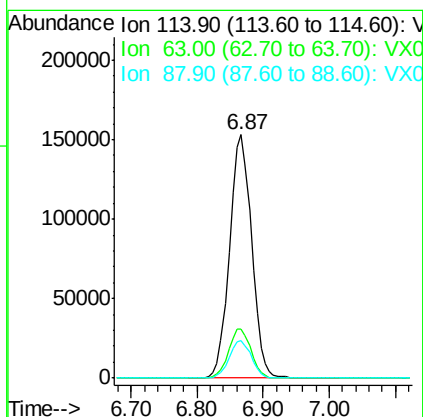
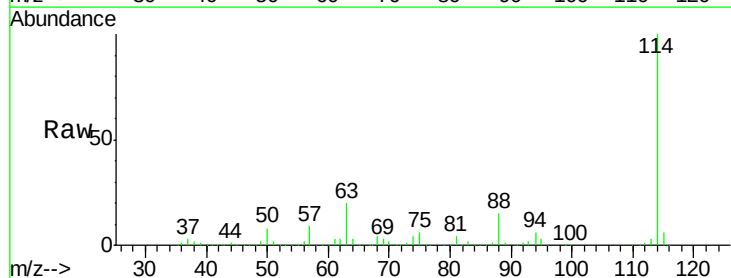
Instrument :  
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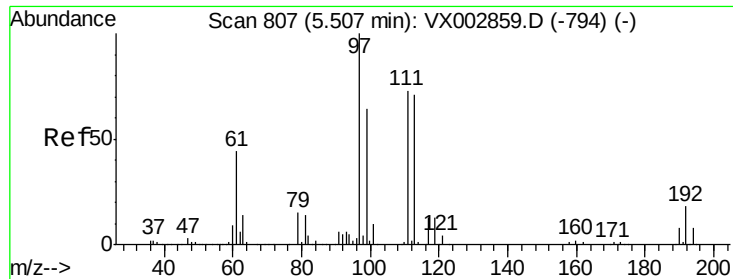
Tot Ion: 65 Resp: 171572  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

Tgt Ion: 114 Resp: 354720  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 41.4  
 88 15.2 0.0 30.0

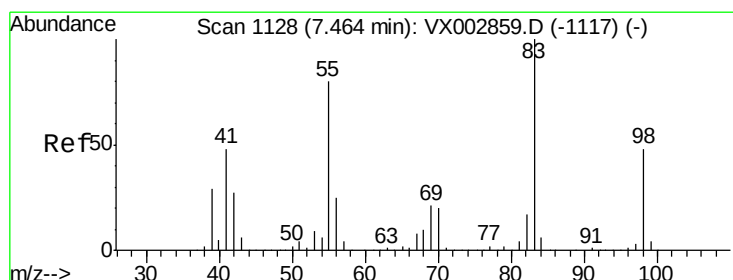
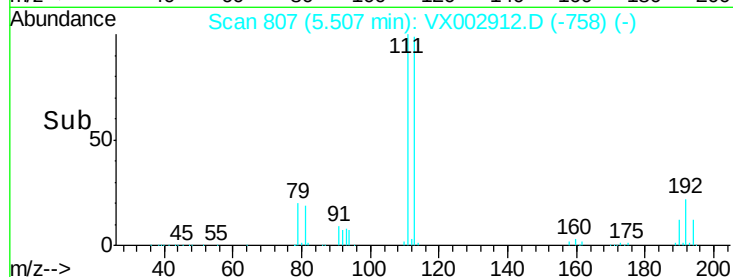
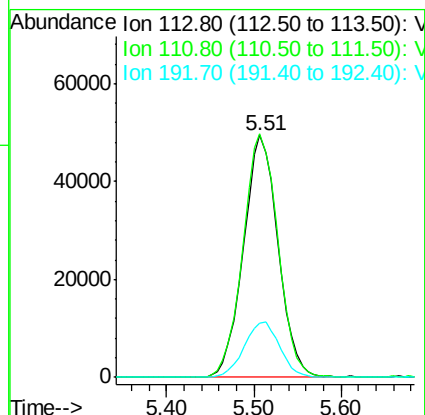
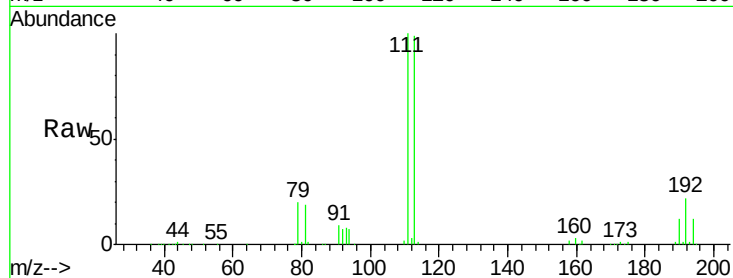




#35  
 Dibromofluoromethane  
 Concen: 48.24 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

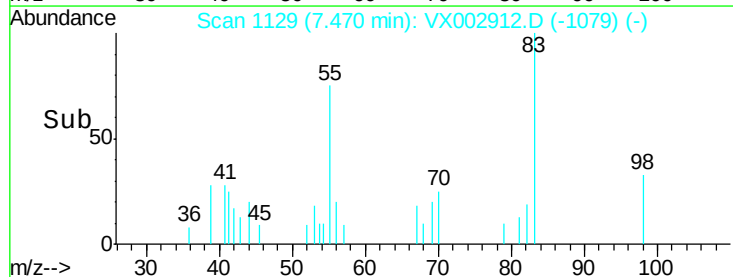
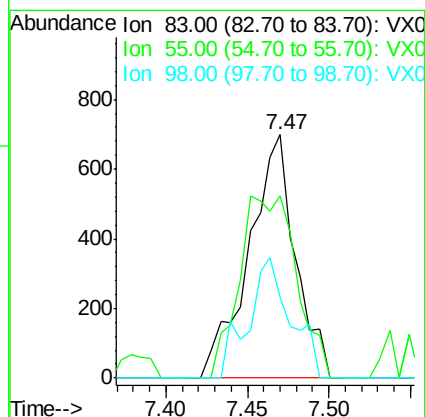
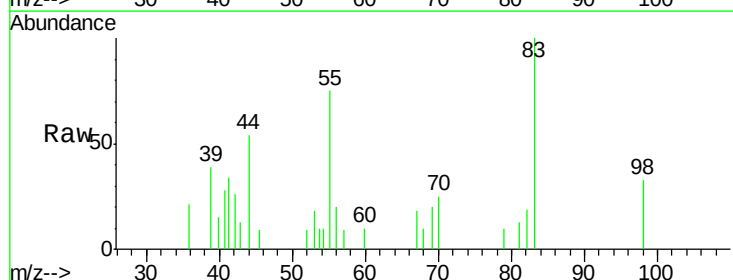
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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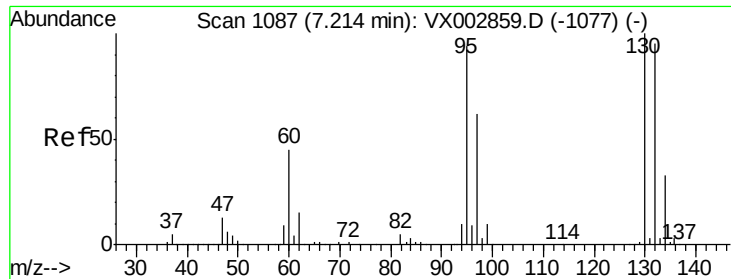
Tot Ion:113 Resp: 135516  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 81.4 122.0  
 192 23.7 19.1 28.7



#39  
 Methylcyclohexane  
 Concen: 0.31 ug/l  
 RT: 7.47 min Scan# 1129  
 Delta R.T. 0.01 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

Tgt Ion: 83 Resp: 1389  
 Ion Ratio Lower Upper  
 83 100  
 55 75.0 65.4 98.0  
 98 33.0 37.4 56.0#

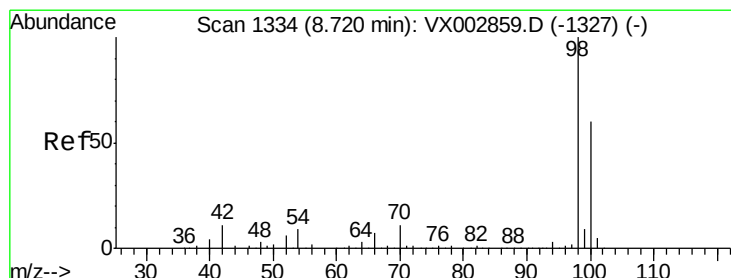
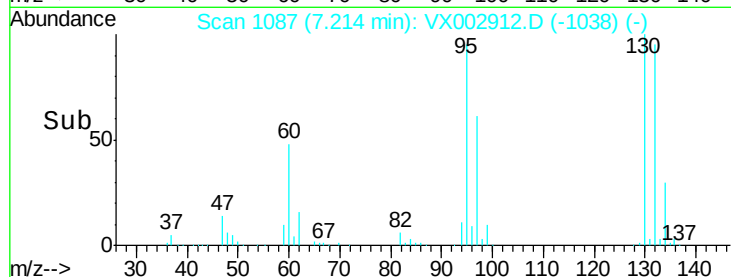
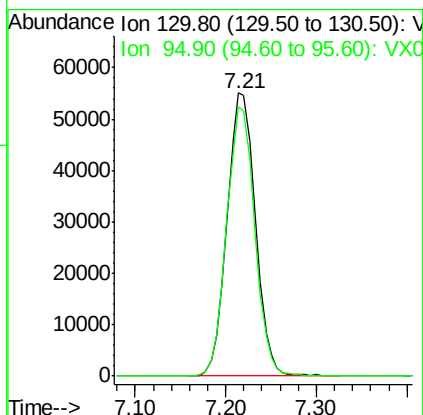
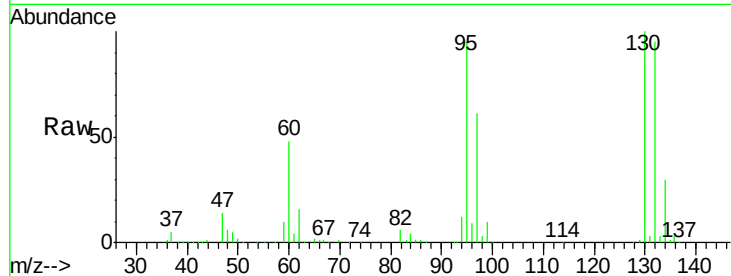




#44  
 Trichloroethene  
 Concen: 35.60 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

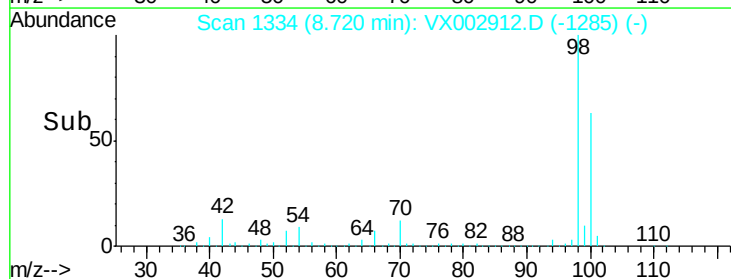
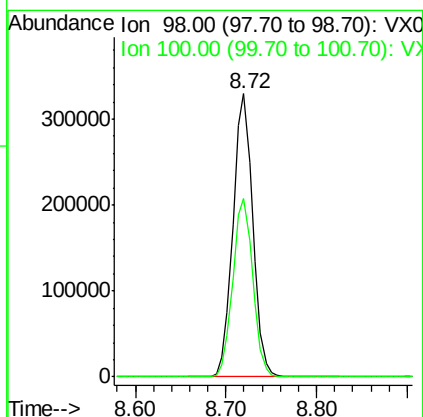
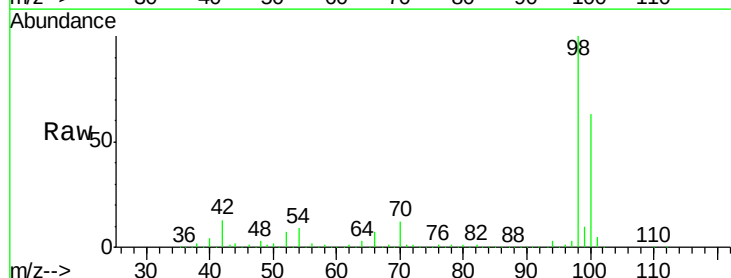
Instrument :  
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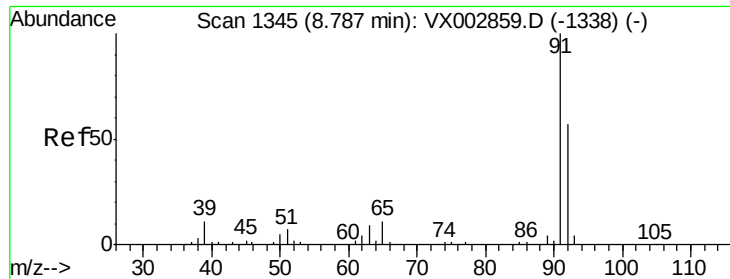
Tot Ion:130 Resp: 119963  
 Ion Ratio Lower Upper  
 130 100  
 95 95.1 0.0 185.4



#50  
 Toluene-d8  
 Concen: 48.79 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

Tgt Ion: 98 Resp: 500523  
 Ion Ratio Lower Upper  
 98 100  
 100 63.4 50.9 76.3





#52

Toluene

Concen: 0.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

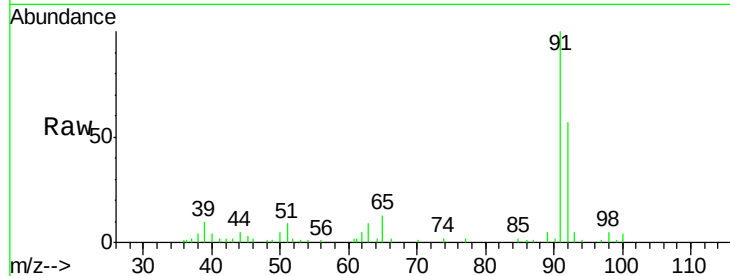
WP021SB488-31-33-180622

Tot Ion: 92 Resp: 6184

Ion Ratio Lower Upper

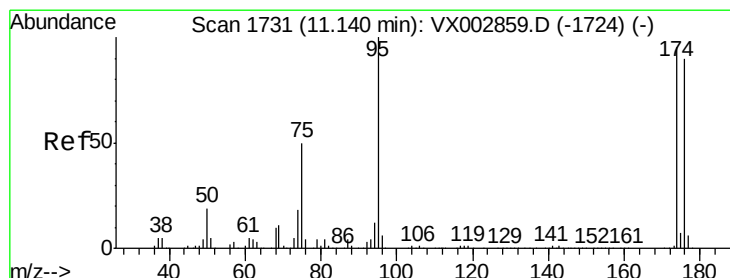
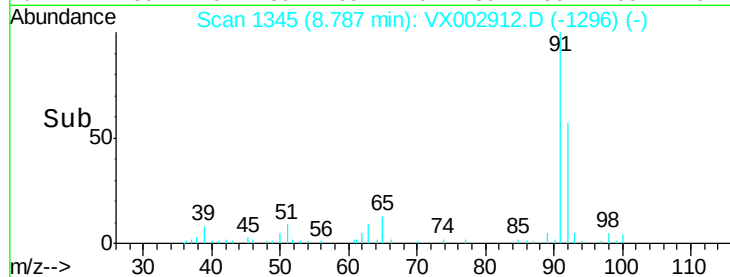
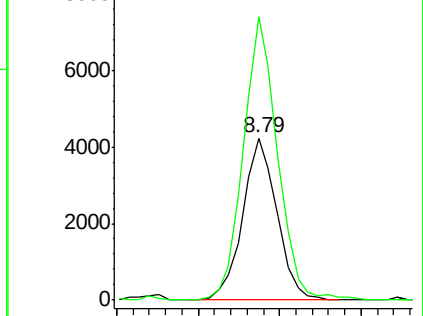
92 100

91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

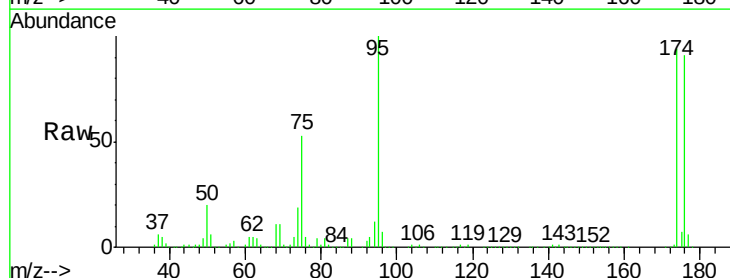
Tgt Ion: 95 Resp: 179197

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.4

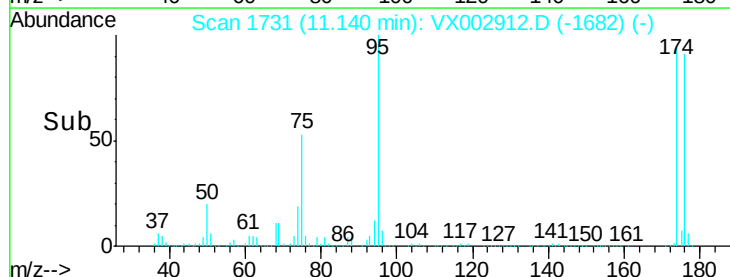
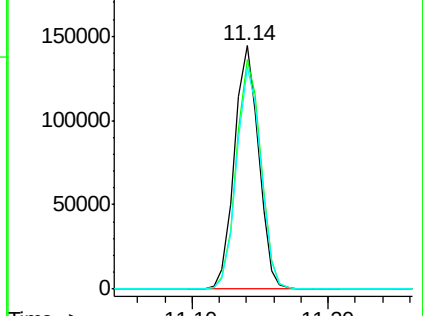
176 91.6 0.0 181.0



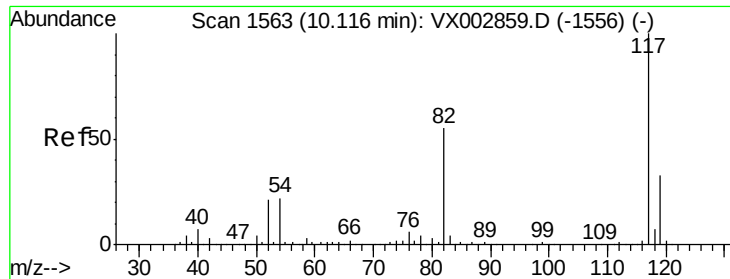
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



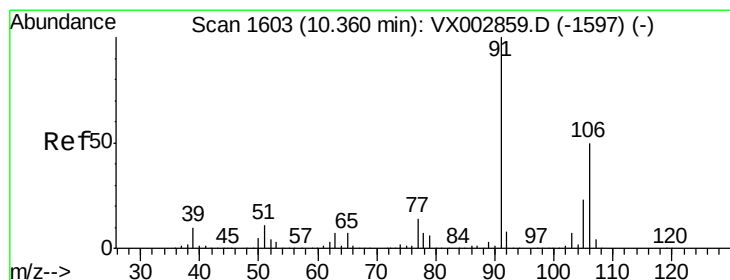
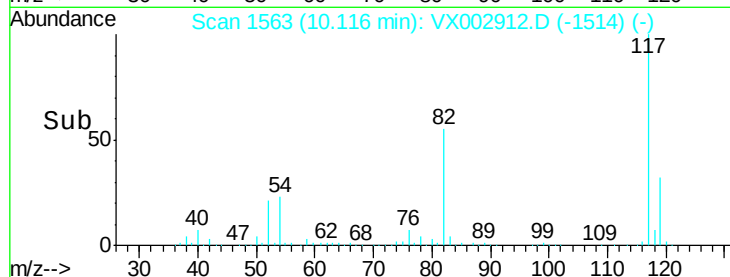
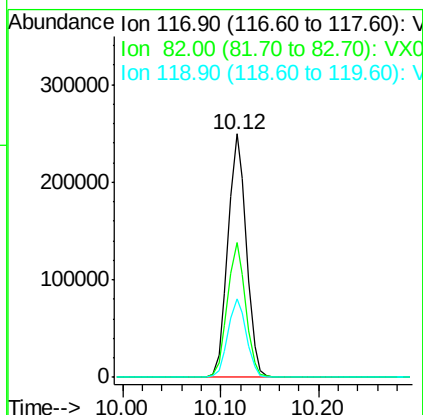
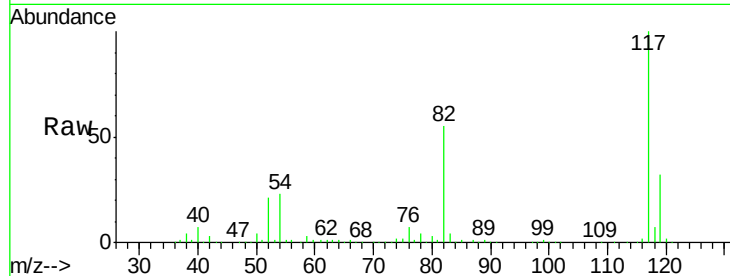




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002912.D  
Acq: 26 Jun 2018 23:43

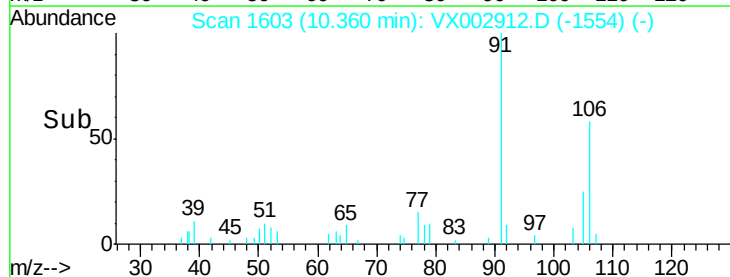
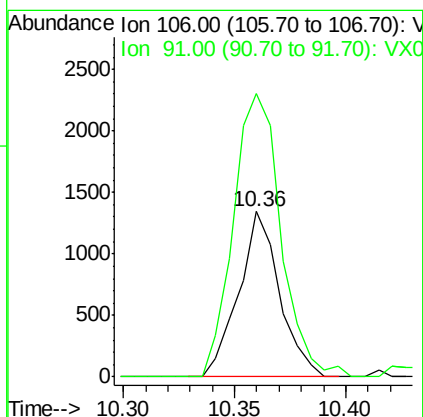
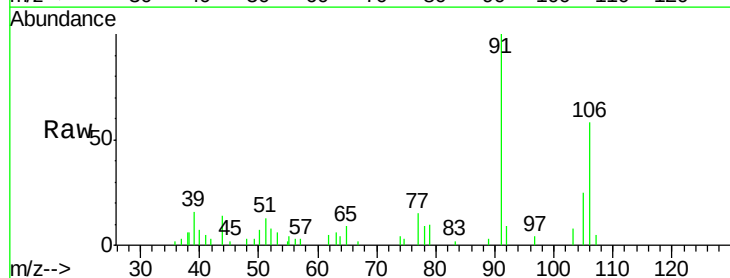
Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB488-31-33-180622

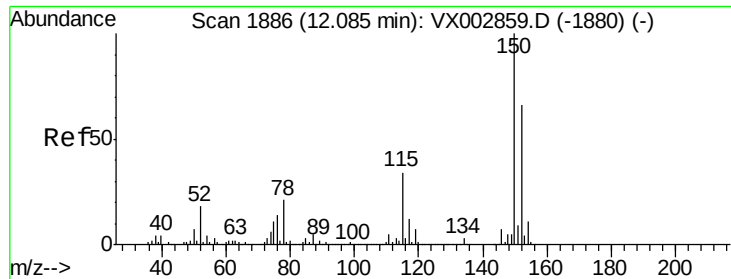
Tot Ion:117 Resp: 327729  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.0 67.4  
119 32.4 25.8 38.6



#68  
m/p-Xylenes  
Concen: 0.32 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VX002912.D  
Acq: 26 Jun 2018 23:43

Tgt Ion:106 Resp: 1716  
Ion Ratio Lower Upper  
106 100  
91 199.6 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

WP021SB488-31-33-180622

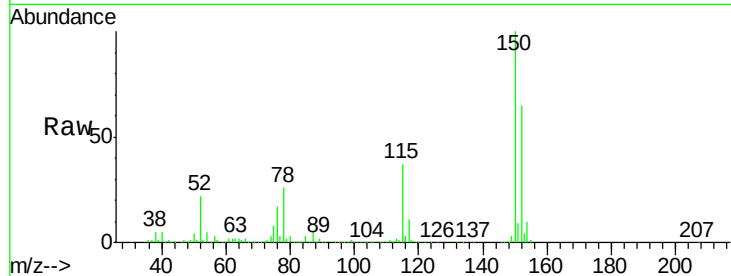
Tot Ion:152 Resp: 189339

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

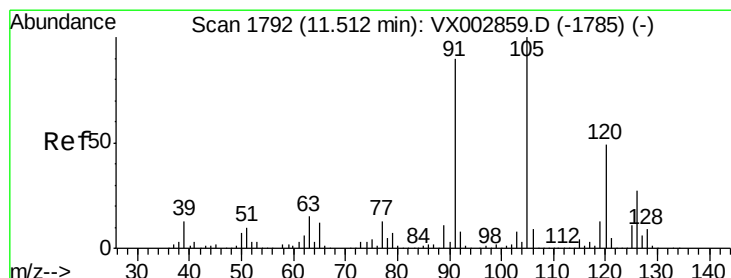
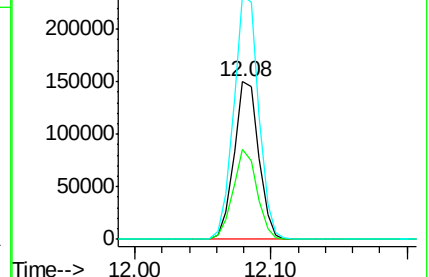
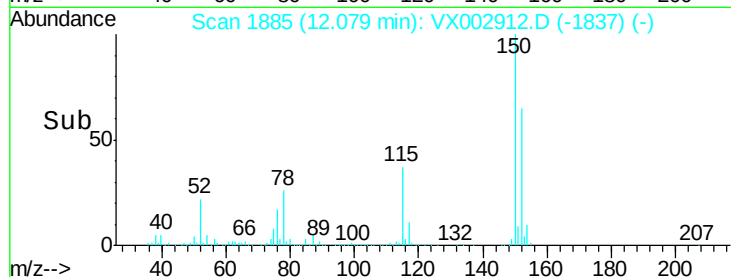
150 155.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 0.30 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002912.D

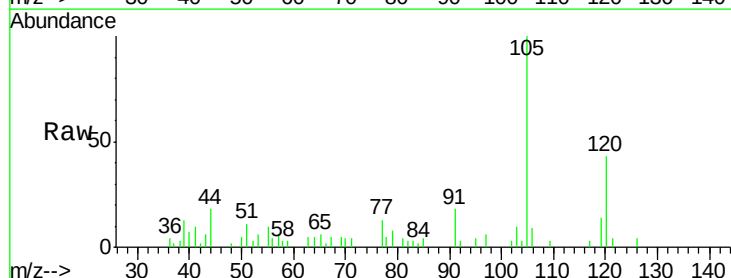
Acq: 26 Jun 2018 23:43

Tgt Ion:105 Resp: 3269

Ion Ratio Lower Upper

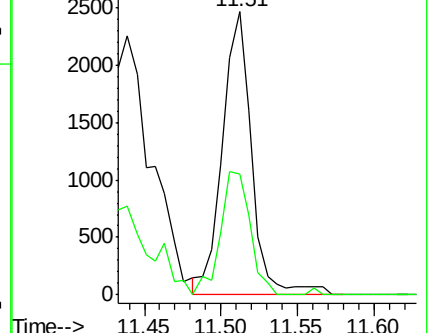
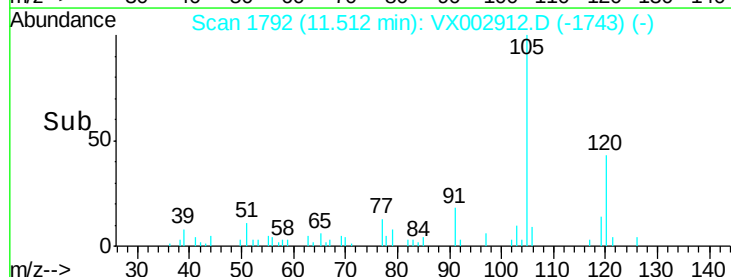
105 100

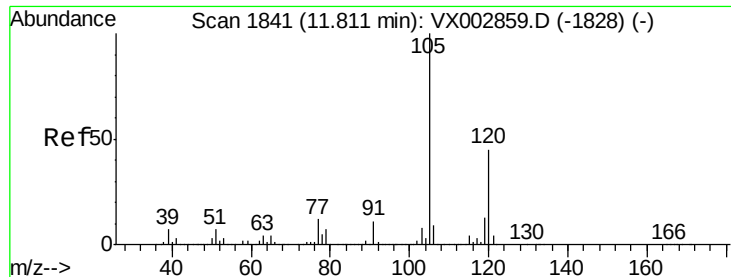
120 44.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

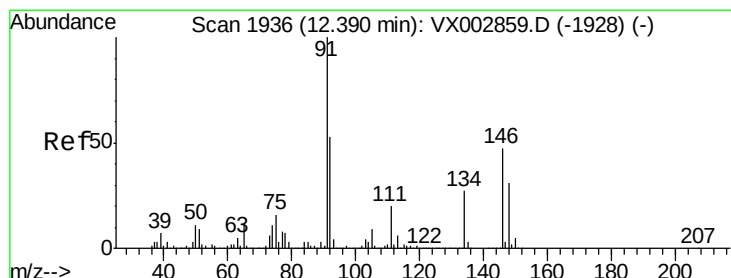
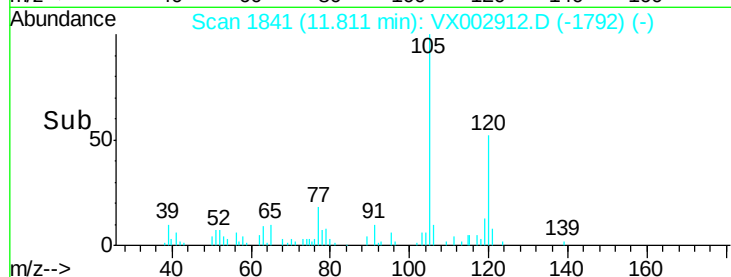
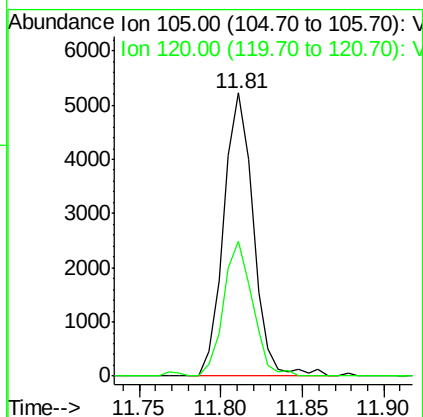
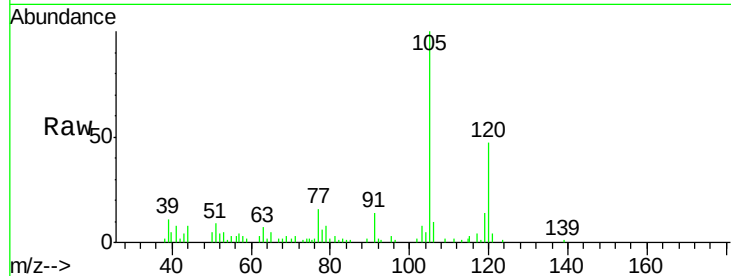




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.60 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

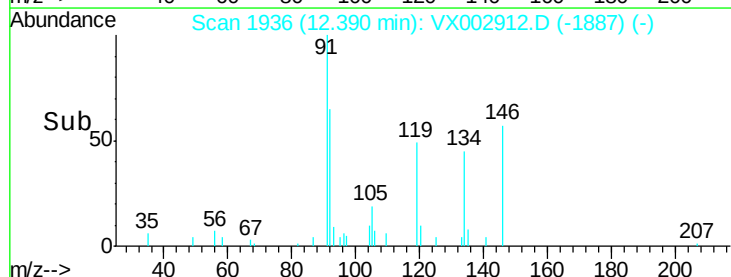
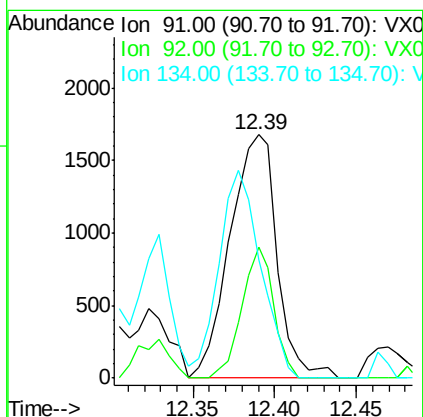
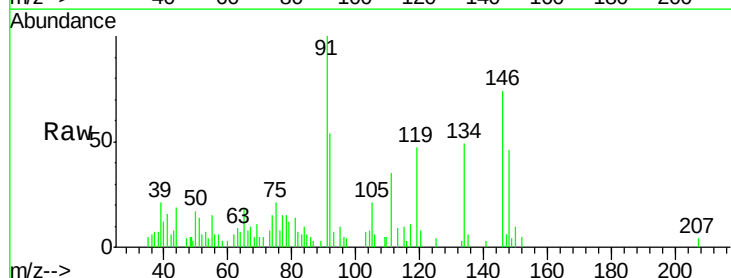
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021SB488-31-33-180622

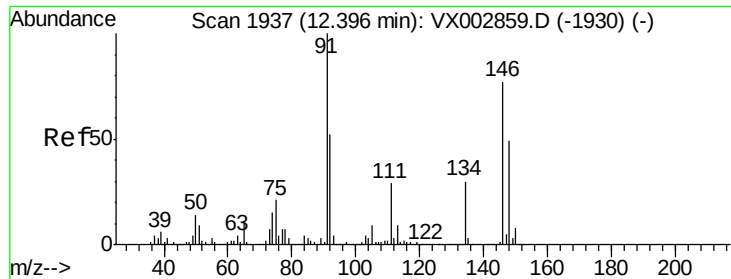
Tot Ion: 105 Resp: 6626  
 Ion Ratio Lower Upper  
 105 100  
 120 46.5 22.3 66.8



#89  
 n-Butylbenzene  
 Concen: 0.34 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. 0.00 min  
 Lab File: VX002912.D  
 Acq: 26 Jun 2018 23:43

Tgt Ion: 91 Resp: 3370  
 Ion Ratio Lower Upper  
 91 100  
 92 36.5 26.0 78.0  
 134 75.6 13.5 40.5#

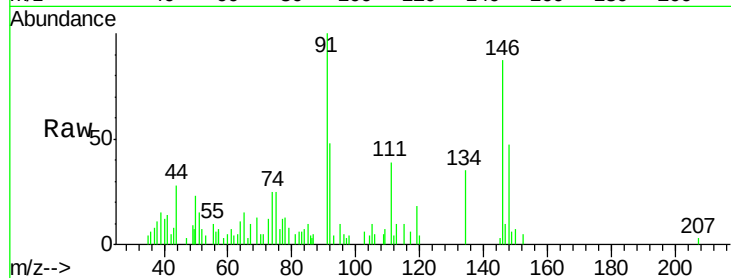




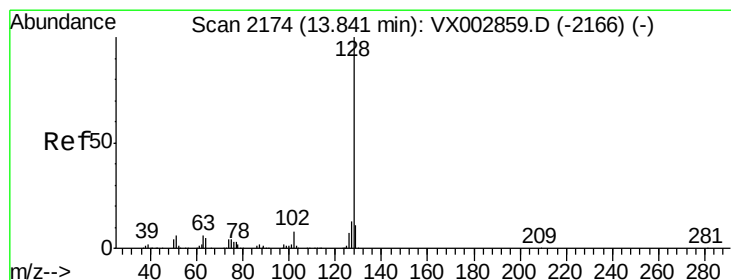
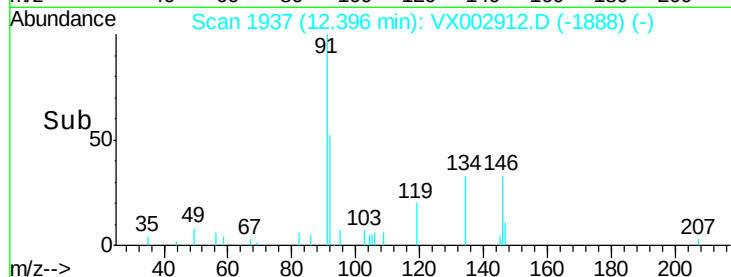
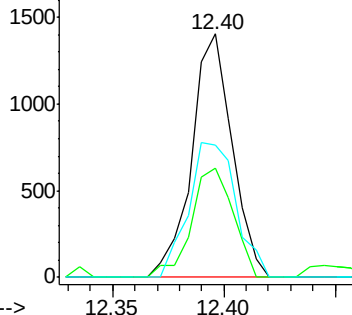
#91  
1,2-Dichlorobenzene  
Concen: 0.27 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. 0.00 min  
Lab File: VX002912.D  
Acq: 26 Jun 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB488-31-33-180622

Tot Ion:146 Resp: 1786  
Ion Ratio Lower Upper  
146 100  
111 46.3 19.4 58.1  
148 64.7 31.7 95.1

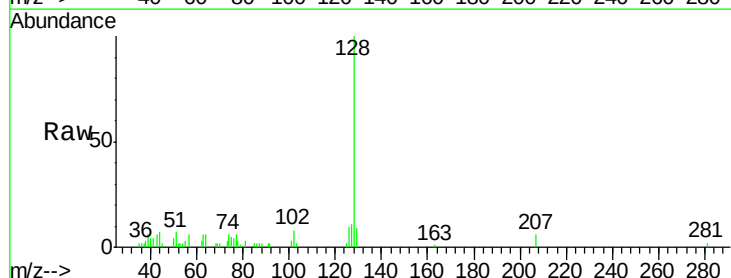


Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#95  
Naphthalene  
Concen: 0.34 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX002912.D  
Acq: 26 Jun 2018 23:43

Tgt Ion:128 Resp: 4433  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.4 15.6  
129 11.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

