

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
 Data File : VX002349.D  
 Acq On : 06 Jun 2018 13:42  
 Operator : JC/MD  
 Sample : J3268-02RE  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW160-180529RE

Quant Time: Jun 07 04:11:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

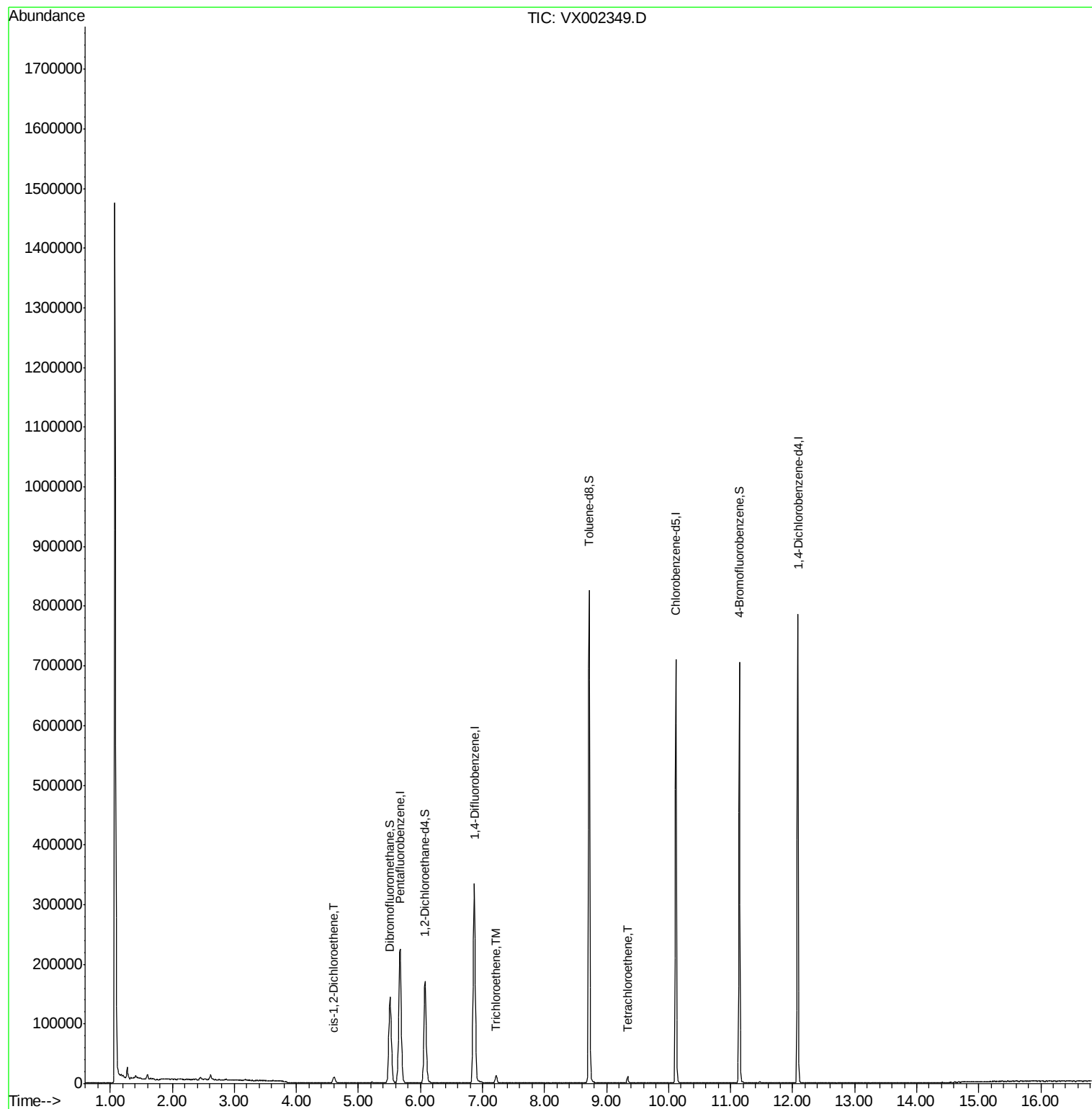
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 223338   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 329955   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 297759   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 162580   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 161595   | 50.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.28% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 117377   | 45.24 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.48%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 471035   | 47.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.72%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 161289   | 42.05 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.10%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 27) cis-1,2-Dichloroethene  | 4.61  | 96   | 5234     | 1.84  | ug/l    | 89       |
| 44) Trichloroethene         | 7.22  | 130  | 4644     | 1.57  | ug/l    | 90       |
| 64) Tetrachloroethene       | 9.34  | 164  | 2449     | 0.80  | ug/l #  | 84       |

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

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Sample : J3268-02RE  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW160-180529RE

Quant Time: Jun 07 04:11:19 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002349.D

Acq: 06 Jun 2018 13:42

Instrument :

MSVOA\_X

ClientSampleId :

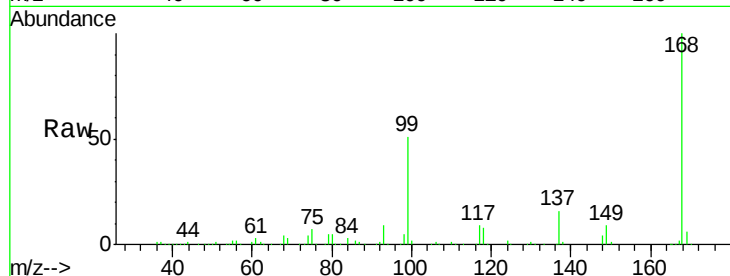
SS052MW160-180529RE

Tot Ion:168 Resp: 223338

Ion Ratio Lower Upper

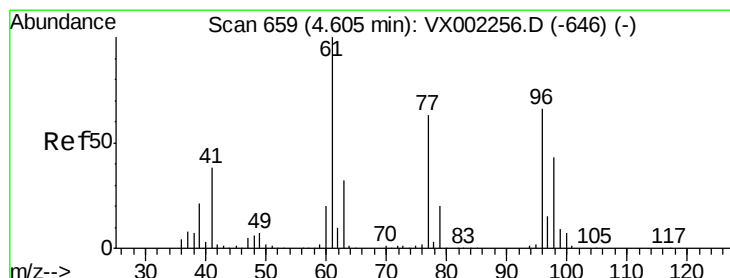
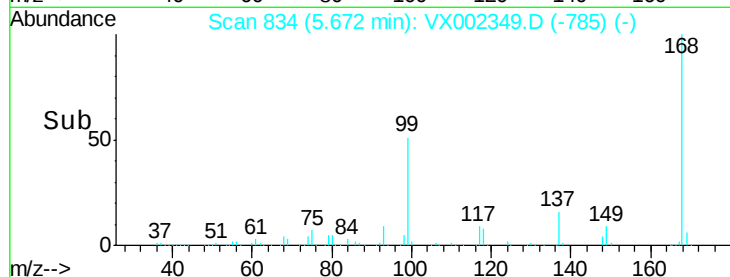
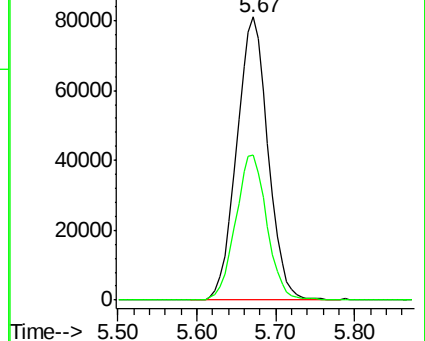
168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.84 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX002349.D

Acq: 06 Jun 2018 13:42

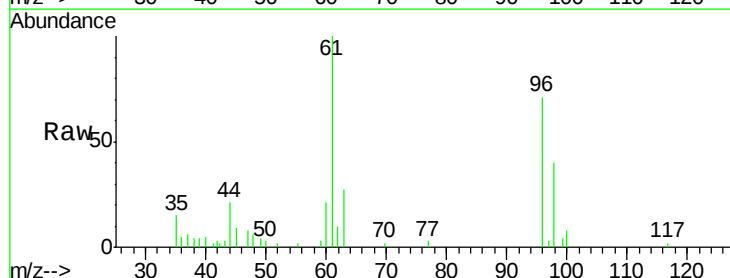
Tgt Ion: 96 Resp: 5234

Ion Ratio Lower Upper

96 100

61 184.8 0.0 330.2

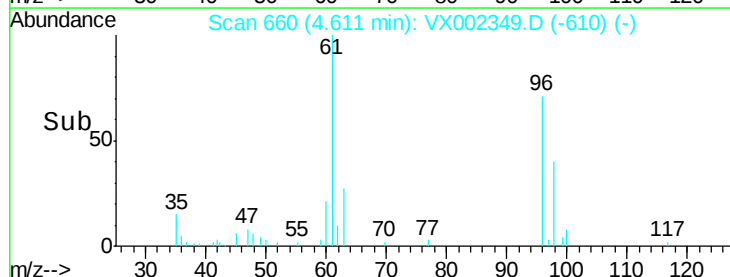
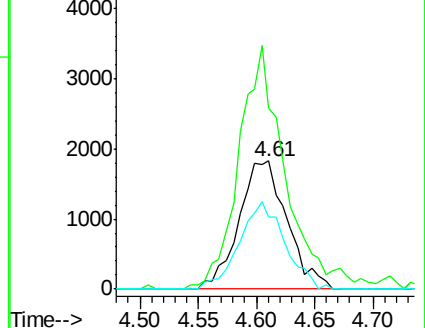
98 64.5 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

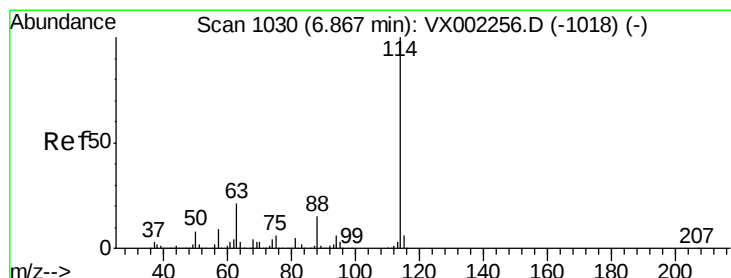
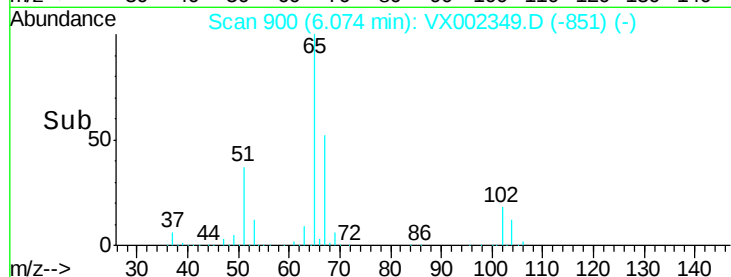
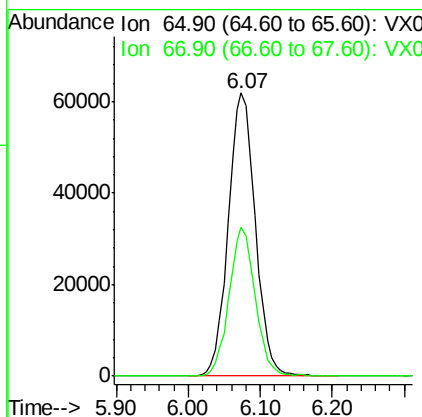
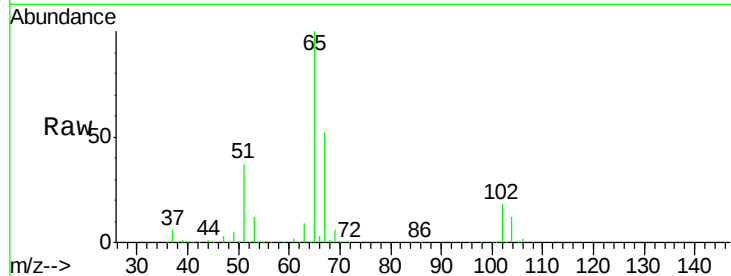




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.64 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. -0.00 min  
 Lab File: VX002349.D  
 Acq: 06 Jun 2018 13:42

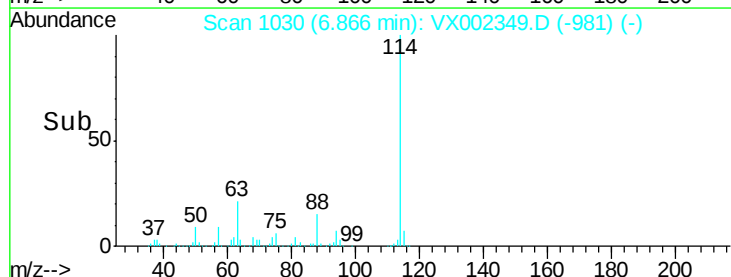
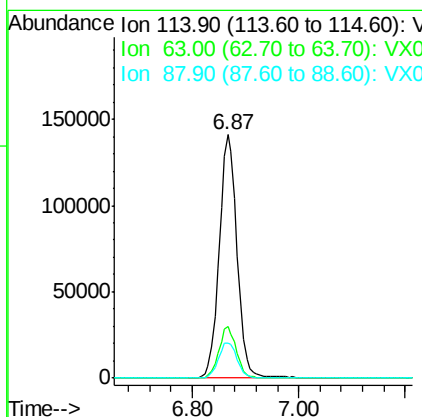
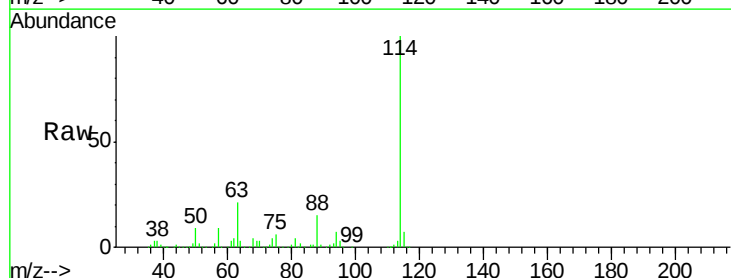
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW160-180529RE

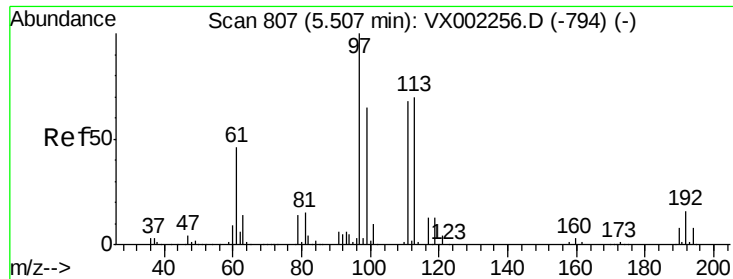
Tot Ion: 65 Resp: 161595  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002349.D  
 Acq: 06 Jun 2018 13:42

Tgt Ion: 114 Resp: 329955  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 41.4  
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.24 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002349.D

Acq: 06 Jun 2018 13:42

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW160-180529RE

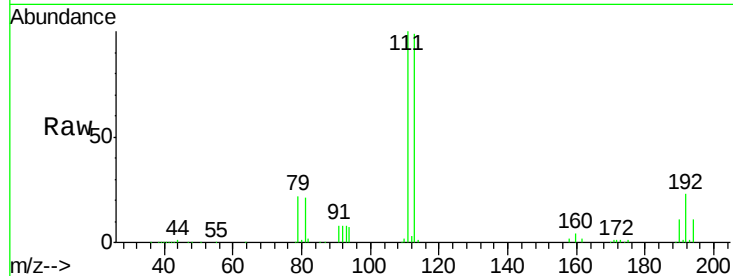
Tot Ion:113 Resp: 117377

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

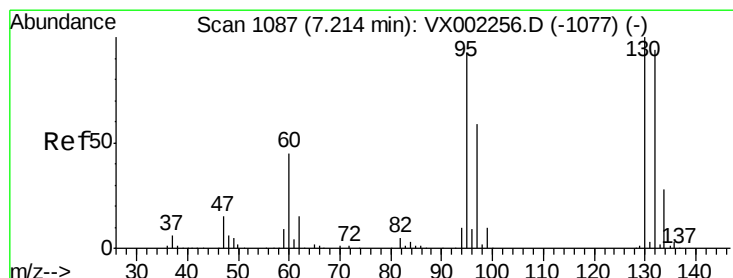
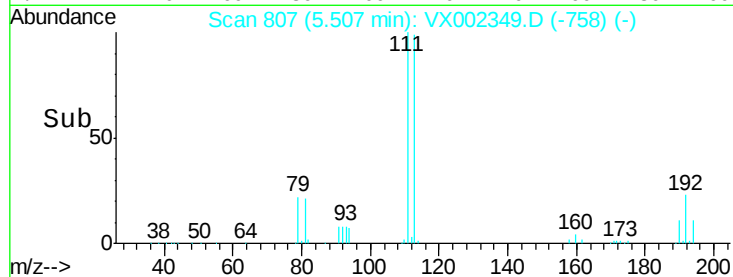
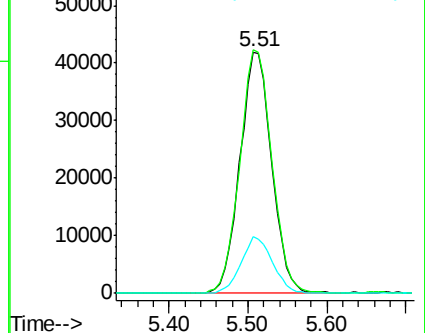
192 23.1 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#44

Trichloroethene

Concen: 1.57 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002349.D

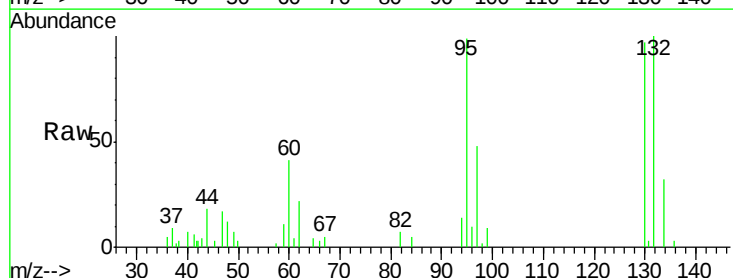
Acq: 06 Jun 2018 13:42

Tgt Ion:130 Resp: 4644

Ion Ratio Lower Upper

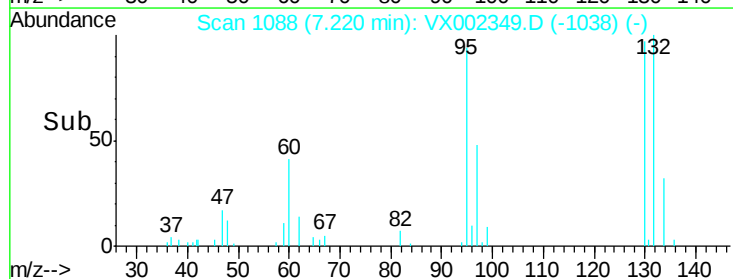
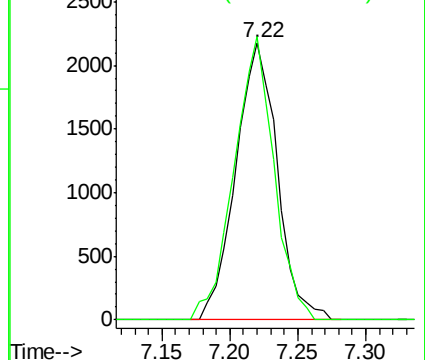
130 100

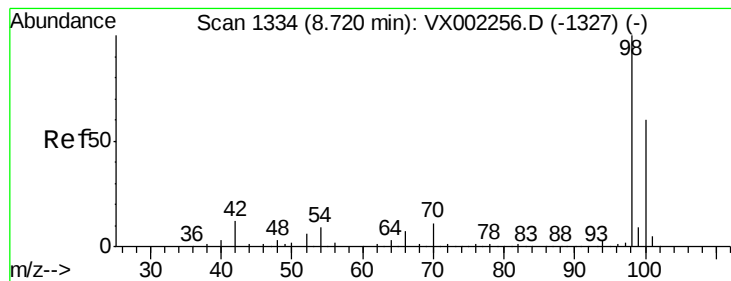
95 102.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002349.D

Acq: 06 Jun 2018 13:42

Instrument :

MSVOA\_X

ClientSampleId :

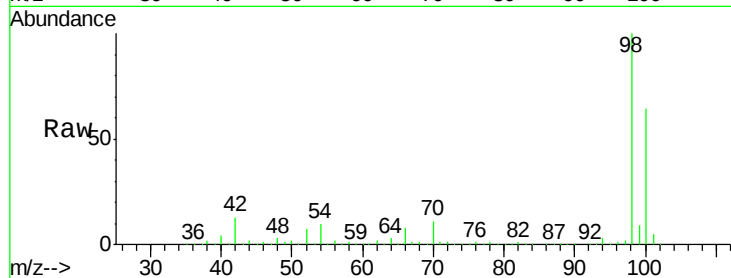
SS052MW160-180529RE

Tot Ion: 98 Resp: 471035

Ion Ratio Lower Upper

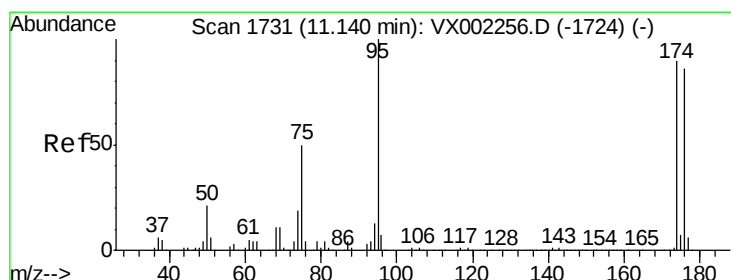
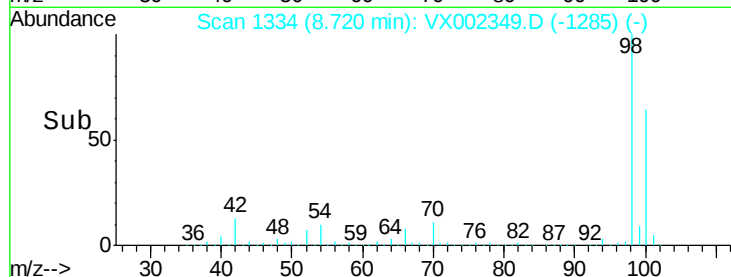
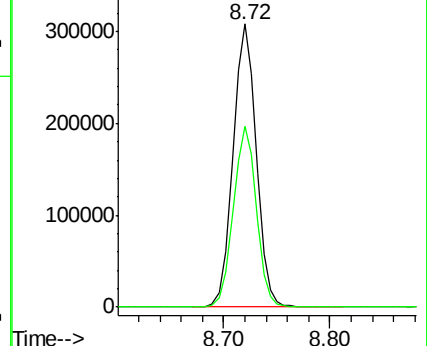
98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002349.D

Acq: 06 Jun 2018 13:42

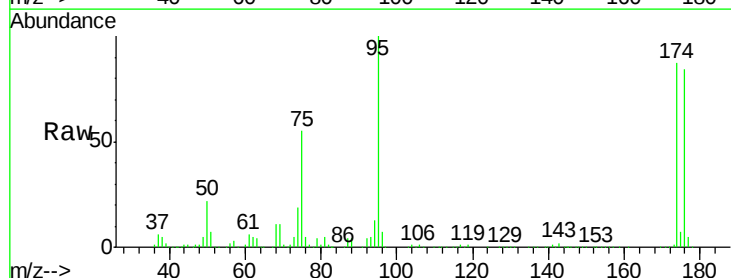
Tgt Ion: 95 Resp: 161289

Ion Ratio Lower Upper

95 100

174 91.7 0.0 187.4

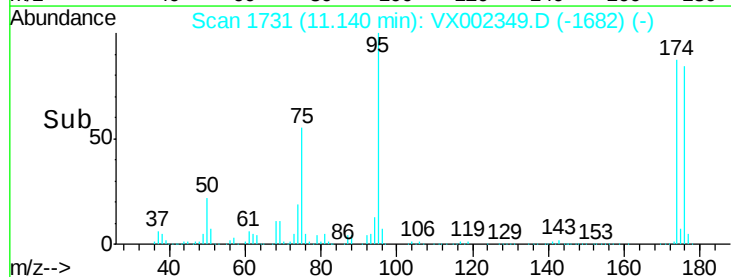
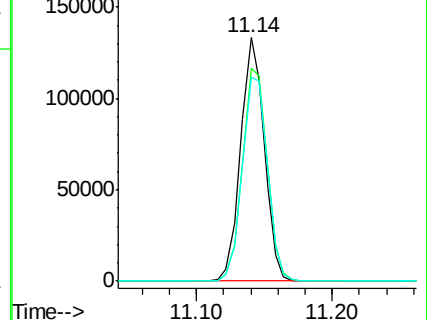
176 89.6 0.0 181.0

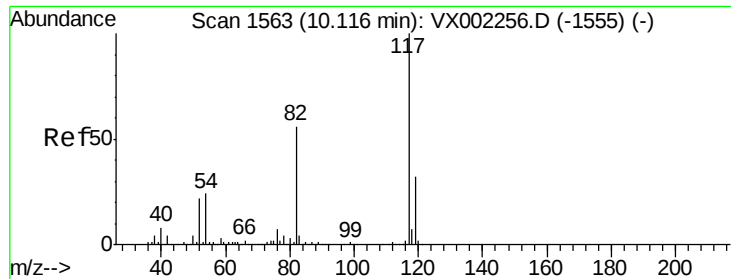


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

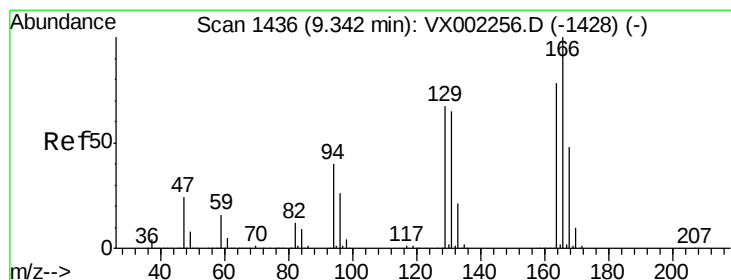
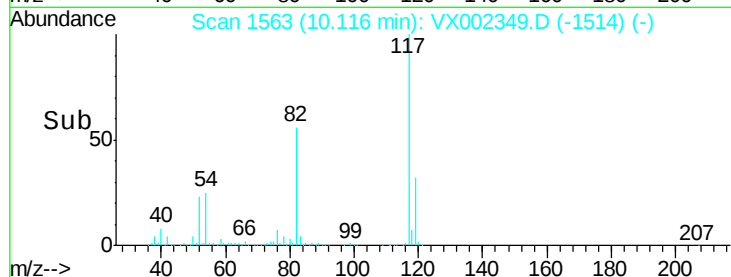
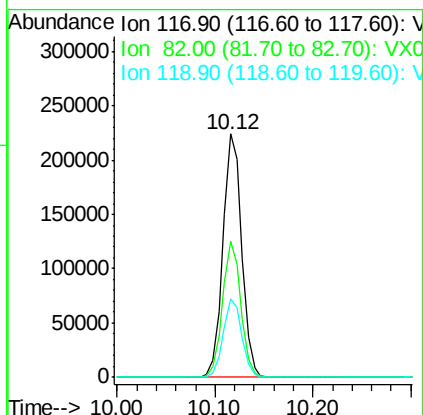
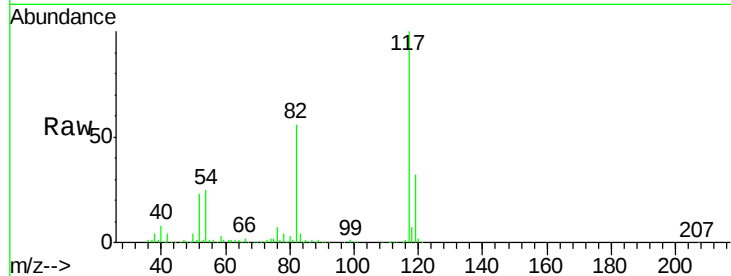




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002349.D  
Acq: 06 Jun 2018 13:42

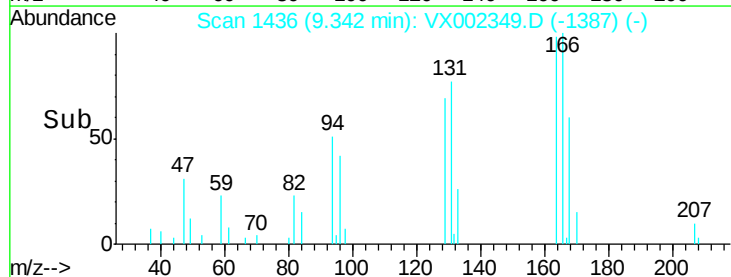
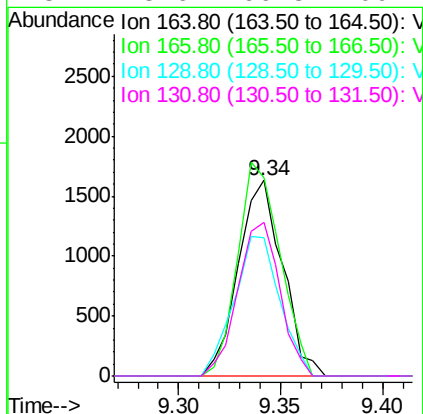
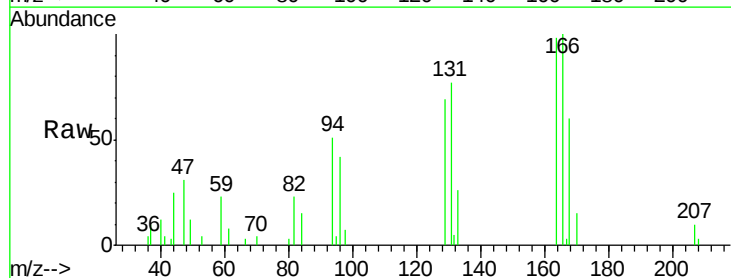
Instrument :  
MSVOA\_X  
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SS052MW160-180529RE

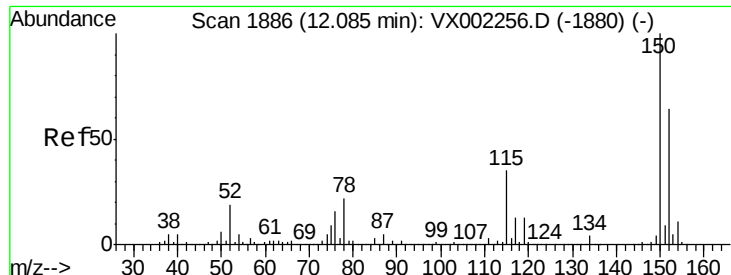
Tot Ion:117 Resp: 297759  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.0 67.4  
119 32.2 25.8 38.6



#64  
Tetrachloroethene  
Concen: 0.80 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: VX002349.D  
Acq: 06 Jun 2018 13:42

Tgt Ion:164 Resp: 2449  
Ion Ratio Lower Upper  
164 100  
166 101.7 102.9 154.3#  
129 70.5 68.6 102.8  
131 78.6 66.8 100.2

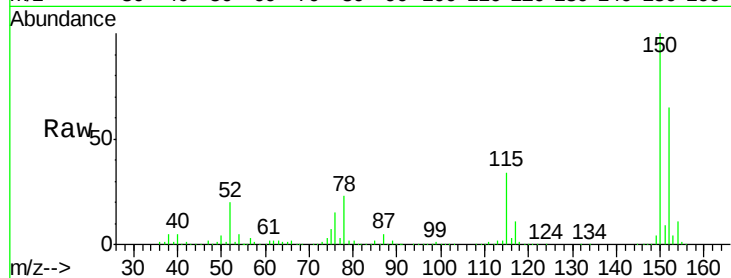




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.08 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX002349.D  
 Acq: 06 Jun 2018 13:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW160-180529RE

Tot Ion:152 Resp: 162580  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 40.1 120.2  
 150 155.6 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

