

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX070820\  
 Data File : VX017256.D  
 Acq On : 08 Jul 2020 15:30  
 Operator : JC/SP  
 Sample : L3239-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-200707

Quant Time: Jul 09 03:21:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

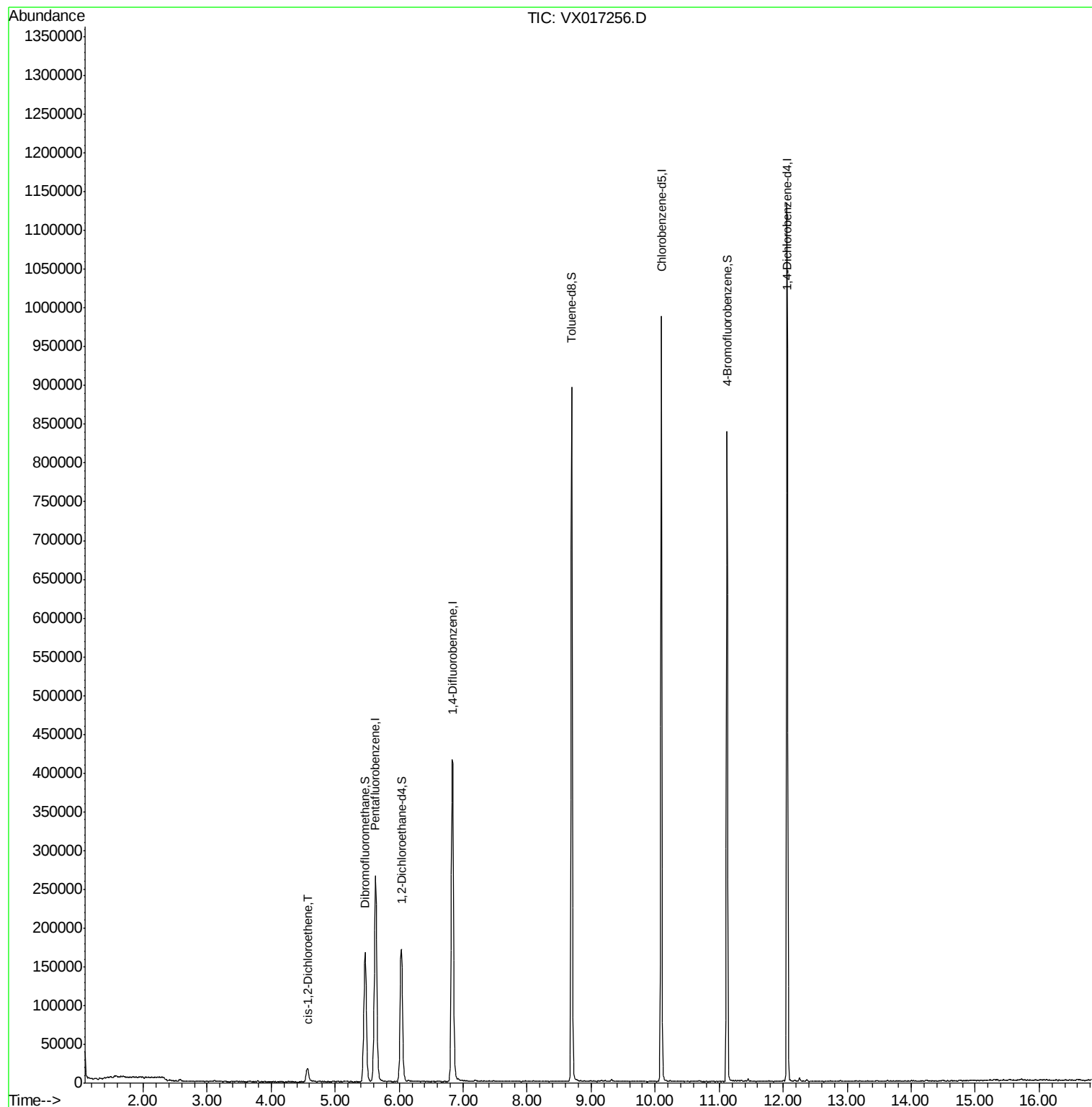
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 255024   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 427904   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 443218   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 229243   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 167635   | 53.32 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.64% |           |
| 35) Dibromofluoromethane    | 5.46  | 113  | 145021   | 53.58 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.16% |           |
| 50) Toluene-d8              | 8.70  | 98   | 520962   | 52.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.10% |           |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 214621   | 54.85 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.70% |           |
| Target Compounds            |       |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 4.56  | 96   | 11715    | 3.693 | ug/l    | Qvalue 87 |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017256.D

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Instrument :

MSVOA\_X

ClientSampleId :

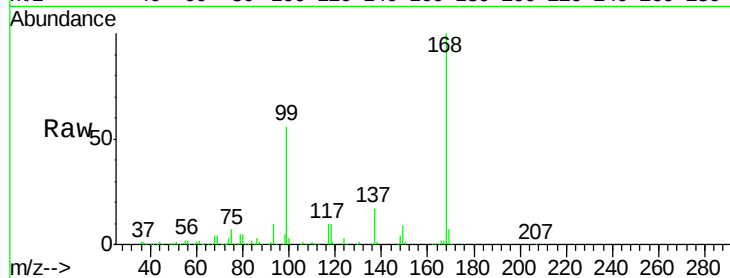
OUTFALL001-200707

Tgt Ion:168 Resp: 255024

Ion Ratio Lower Upper

168 100

99 56.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

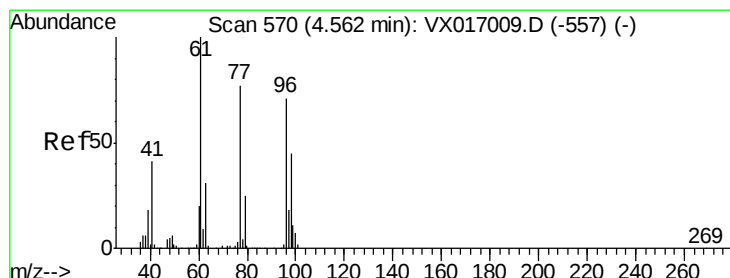
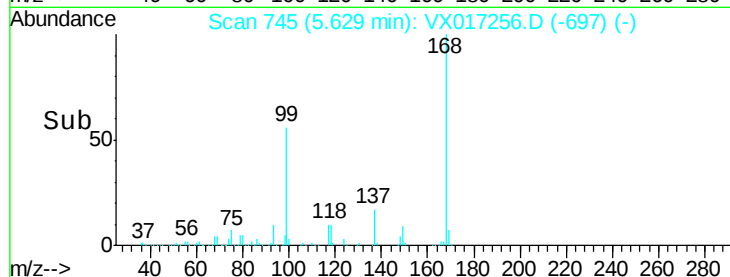
60000

40000

20000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.693 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017256.D

Acq: 08 Jul 2020 15:30

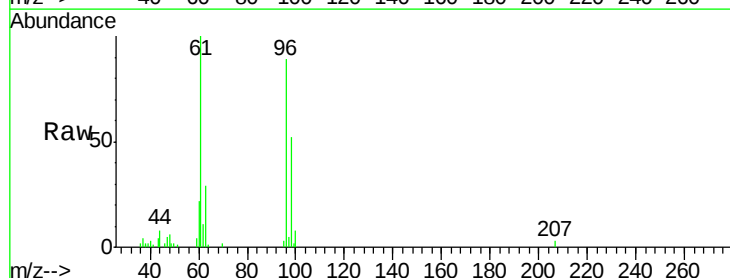
Tgt Ion: 96 Resp: 11715

Ion Ratio Lower Upper

96 100

61 120.0 0.0 282.8

98 66.6 0.0 127.6



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

4.56

6000

5000

4000

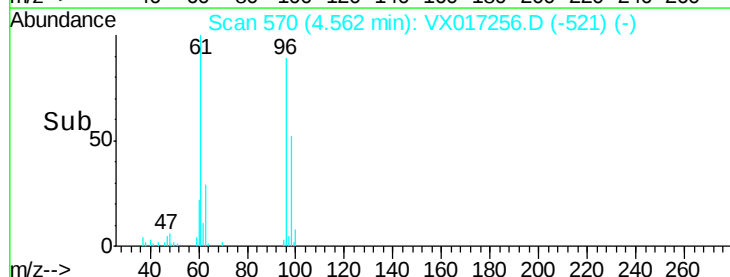
3000

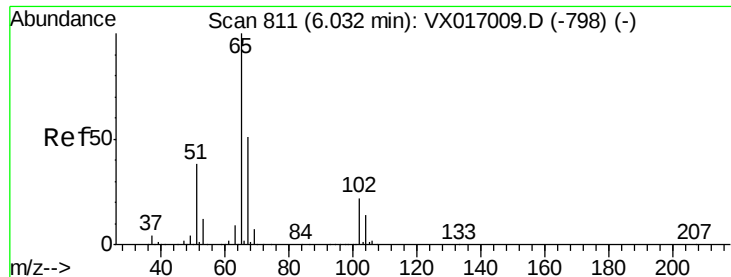
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.320 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017256.D

Acq: 08 Jul 2020 15:30

Instrument :

MSVOA\_X

ClientSampleId :

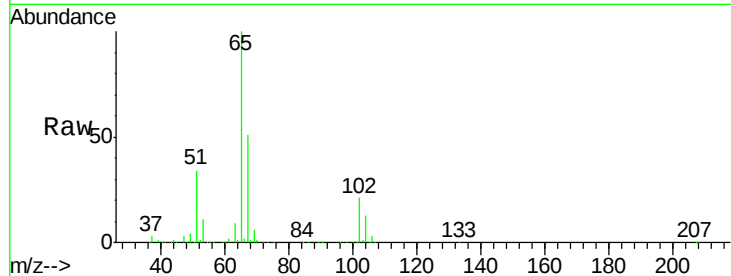
OUTFALL001-200707

Tgt Ion: 65 Resp: 167635

Ion Ratio Lower Upper

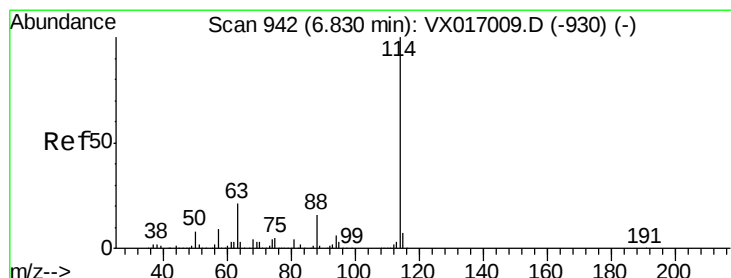
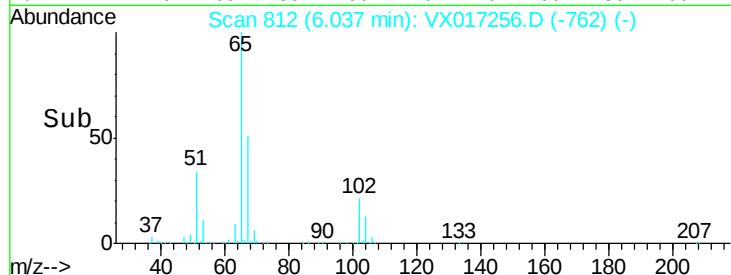
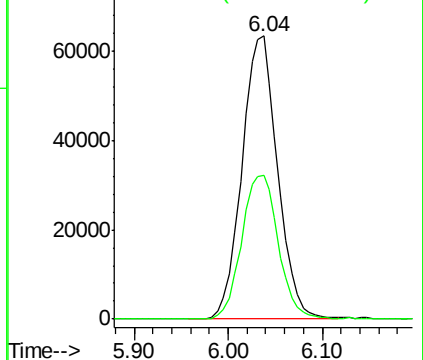
65 100

67 52.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017256.D

Acq: 08 Jul 2020 15:30

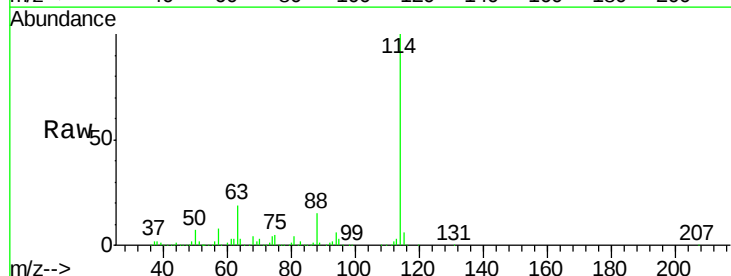
Tgt Ion: 114 Resp: 427904

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

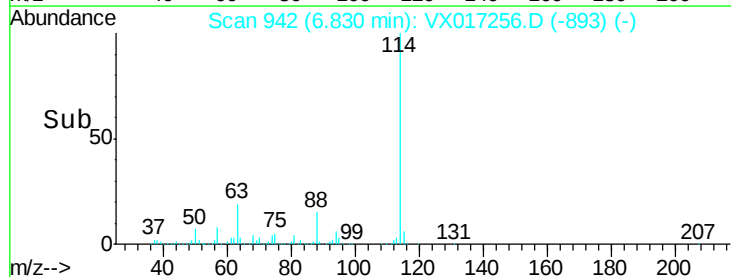
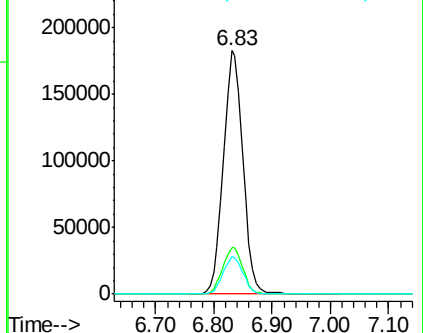
88 15.2 0.0 32.4

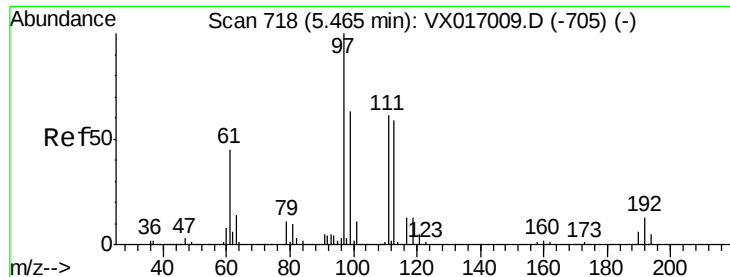


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

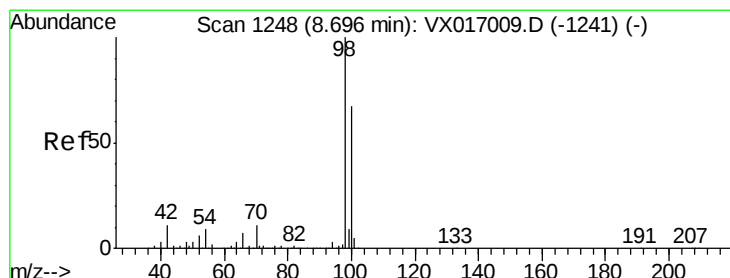
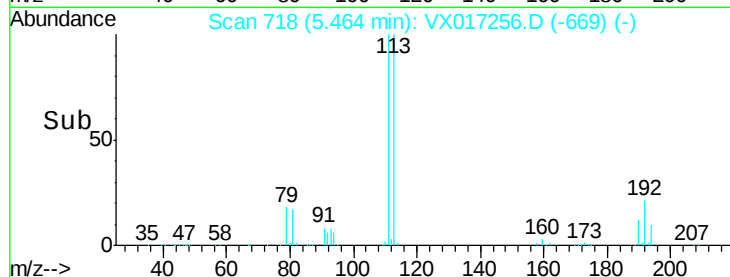
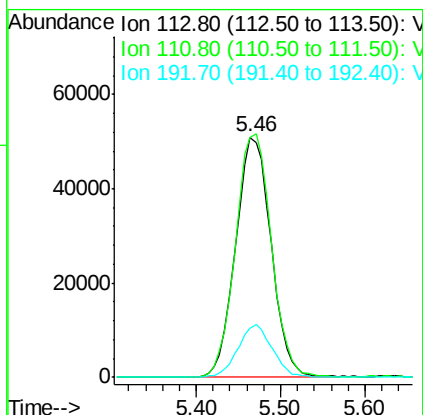
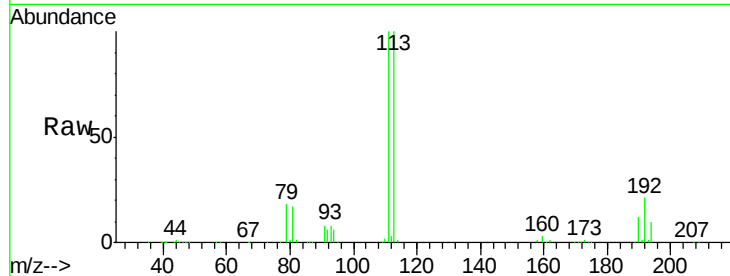




#35  
 Dibromofluoromethane  
 Concen: 53.577 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX017256.D  
 Acq: 08 Jul 2020 15:30

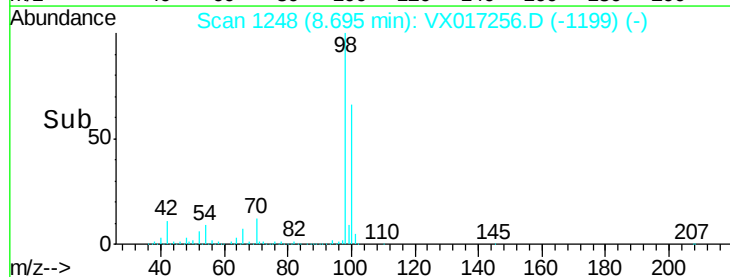
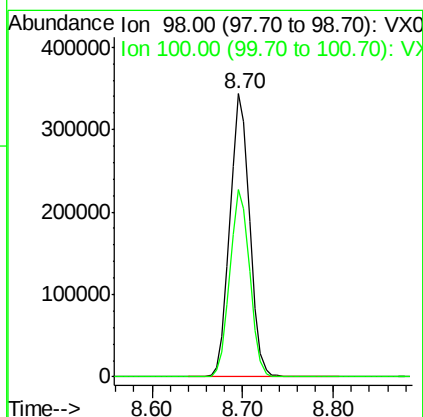
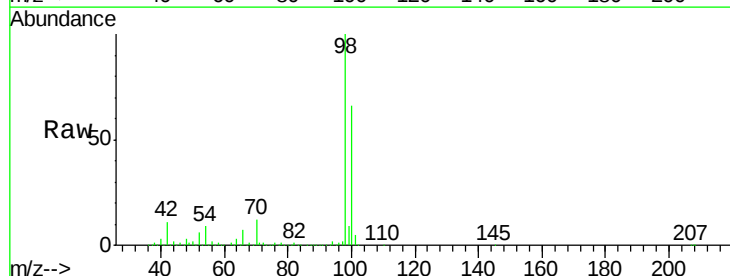
Instrument :  
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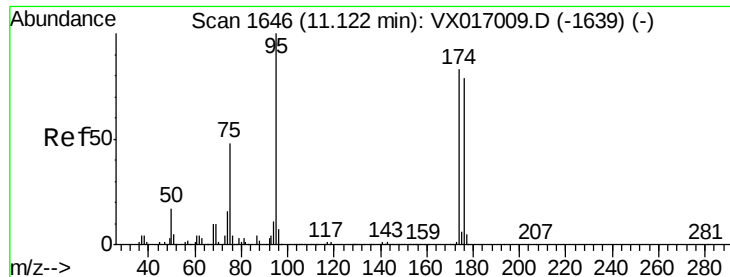
Tgt Ion: 113 Resp: 145021  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.9 122.9  
 192 21.3 16.7 25.1



#50  
 Toluene-d8  
 Concen: 52.049 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX017256.D  
 Acq: 08 Jul 2020 15:30

Tgt Ion: 98 Resp: 520962  
 Ion Ratio Lower Upper  
 98 100  
 100 66.5 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 54.852 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017256.D

Acq: 08 Jul 2020 15:30

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-200707

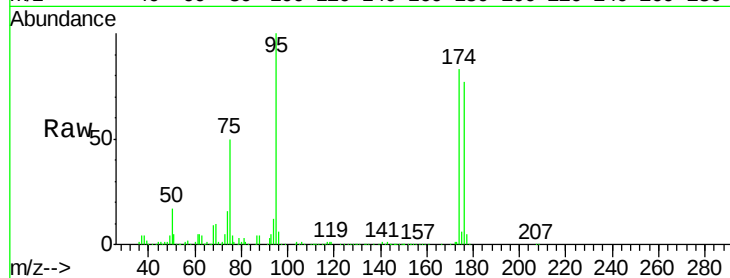
Tgt Ion: 95 Resp: 214621

Ion Ratio Lower Upper

95 100

174 83.9 0.0 164.0

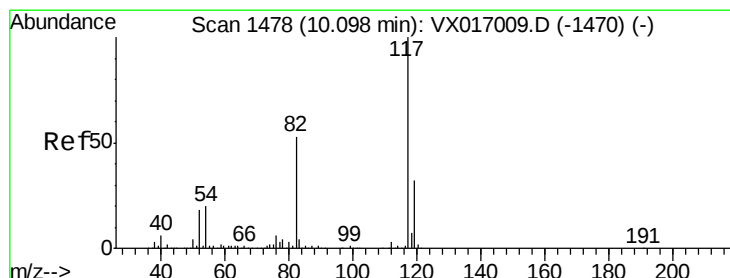
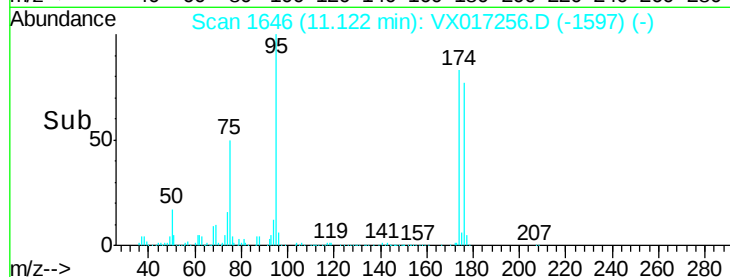
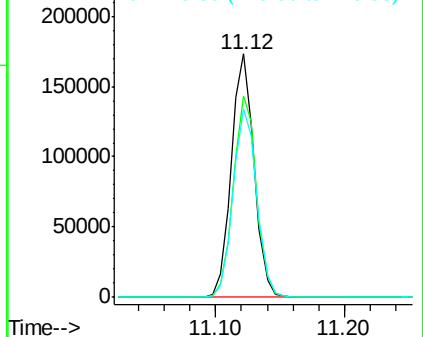
176 80.2 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017256.D

Acq: 08 Jul 2020 15:30

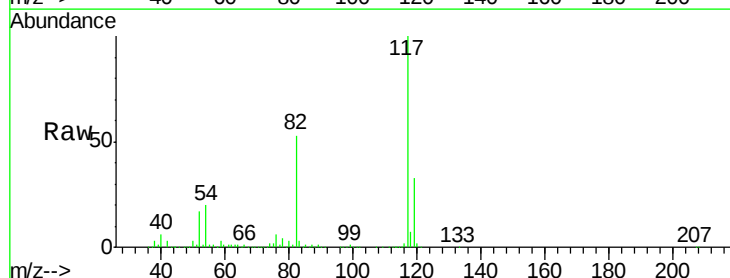
Tgt Ion: 117 Resp: 443218

Ion Ratio Lower Upper

117 100

82 52.7 42.6 63.8

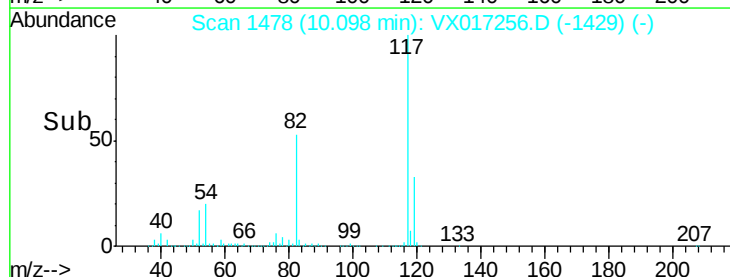
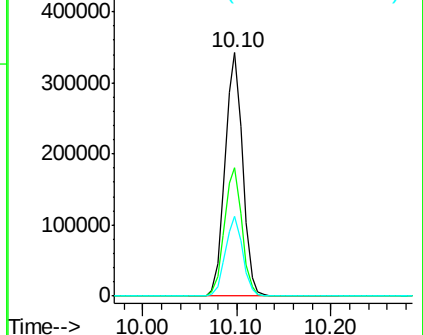
119 32.6 25.4 38.2

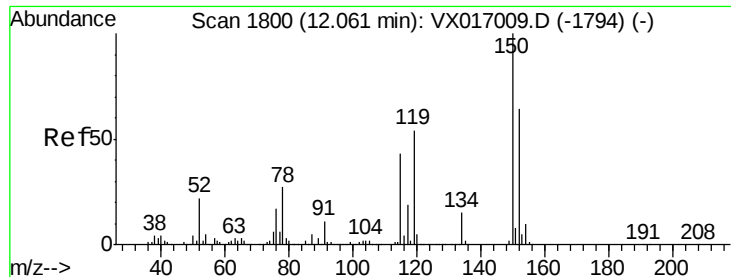


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017256.D

Acq: 08 Jul 2020 15:30

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-200707

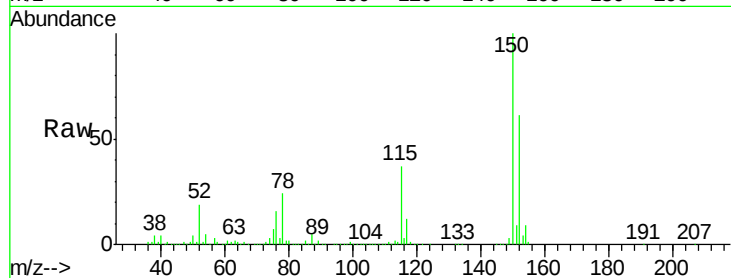
Tgt Ion:152 Resp: 229243

Ion Ratio Lower Upper

152 100

115 57.9 40.9 122.7

150 161.1 0.0 351.6



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

