

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050819\  
 Data File : VX009405.D  
 Acq On : 08 May 2019 17:54  
 Operator : JC/SP  
 Sample : K2643-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OR-03-050719-A

Quant Time: May 09 07:08:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 03:31:13 2019  
 Response via : Initial Calibration

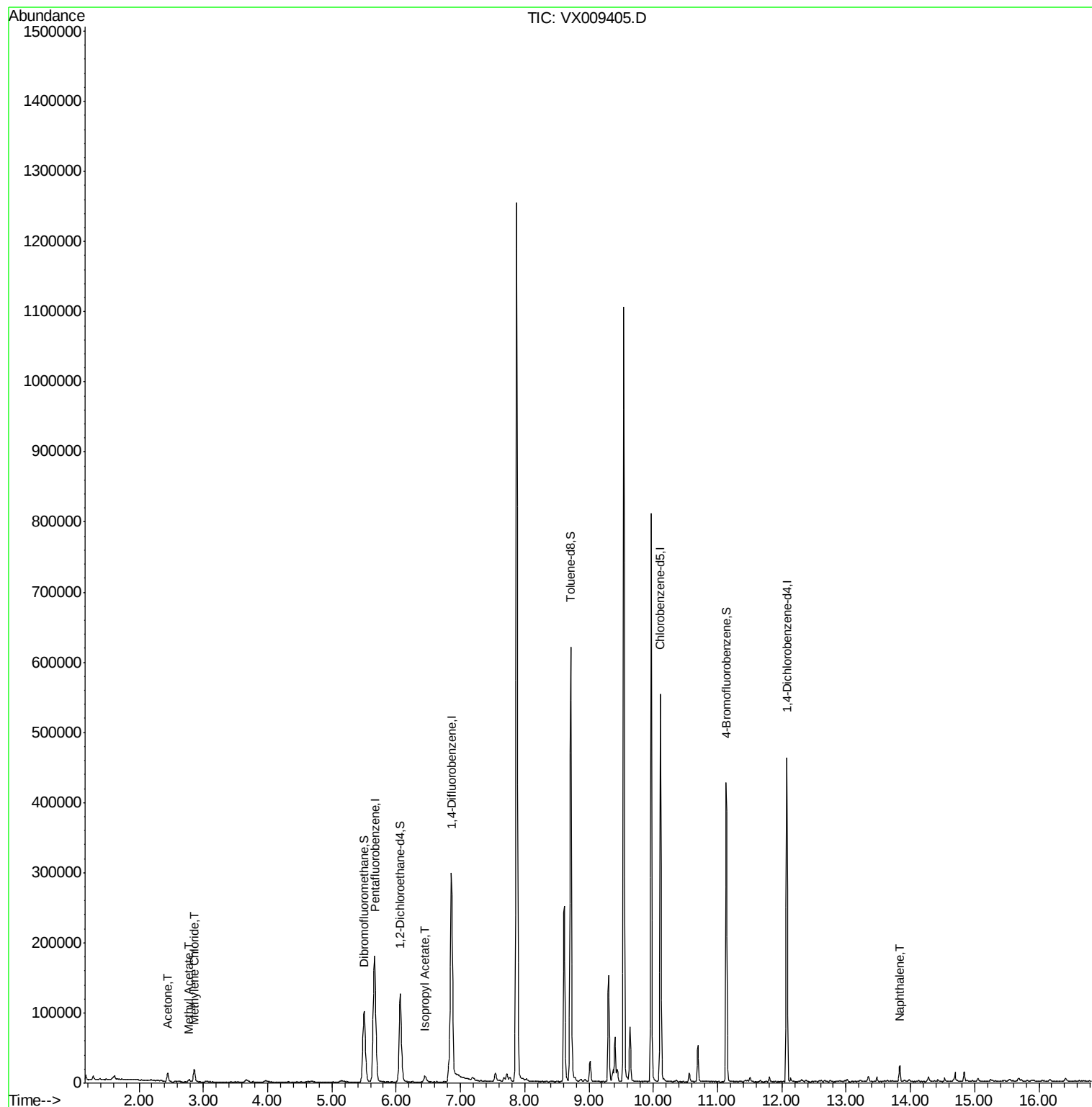
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 176505   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 285332   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 247426   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 97138    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 117466   | 48.75  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.50% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 86979    | 48.49  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.98% |          |
| 50) Toluene-d8              | 8.71  | 98   | 359121   | 49.59  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.18% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 115137   | 43.76  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.52% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.45  | 43   | 13863    | 10.715 | ug/l   | 92       |
| 18) Methyl Acetate          | 2.78  | 43   | 4820     | 1.566  | ug/l   | 92       |
| 20) Methylene Chloride      | 2.85  | 84   | 8264     | 3.945  | ug/l   | 93       |
| 43) Isopropyl Acetate       | 6.45  | 43   | 12364    | 2.092  | ug/l   | 99       |
| 95) Naphthalene             | 13.83 | 128  | 14047    | 1.983  | ug/l   | 98       |

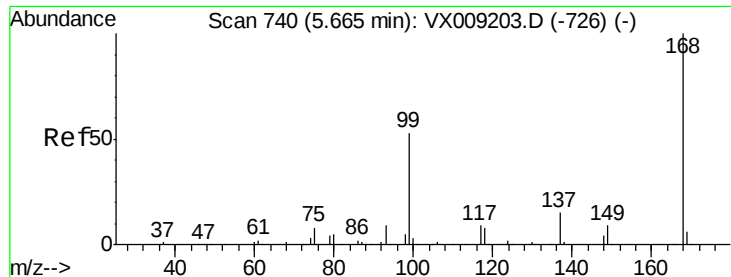
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050819\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Time: May 09 07:08:39 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 03:31:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009405.D

Acq: 08 May 2019 17:54

Instrument :

MSVOA\_X

ClientSampleId :

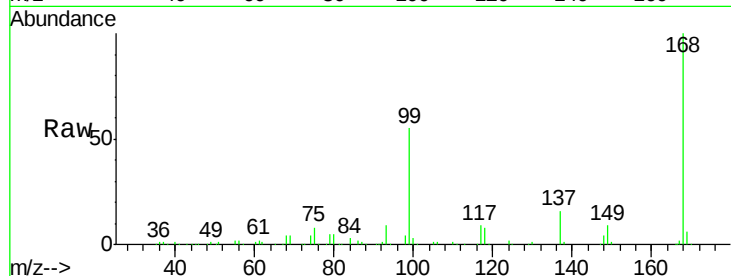
OR-03-050719-A

Tot Ion:168 Resp: 176505

Ion Ratio Lower Upper

168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.67

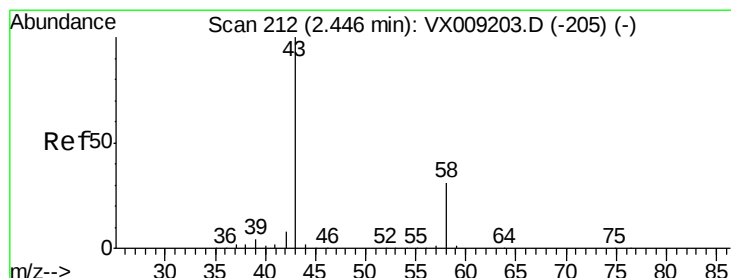
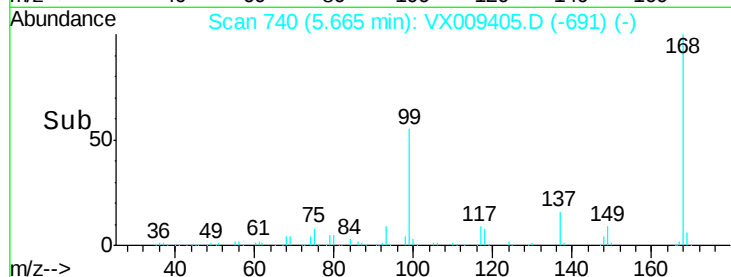
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 10.715 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009405.D

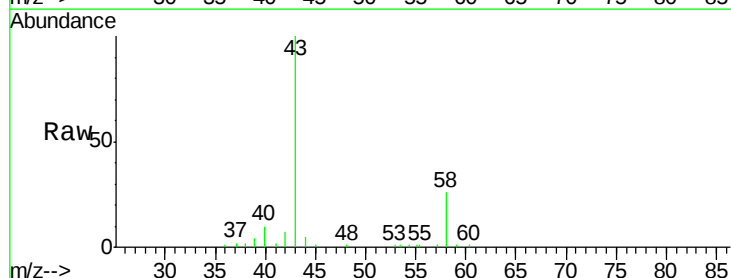
Acq: 08 May 2019 17:54

Tgt Ion: 43 Resp: 13863

Ion Ratio Lower Upper

43 100

58 26.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX009203.D (-205) (-)

Ion 58.00 (57.70 to 58.70): VX009203.D (-205) (-)

2.45

10000

8000

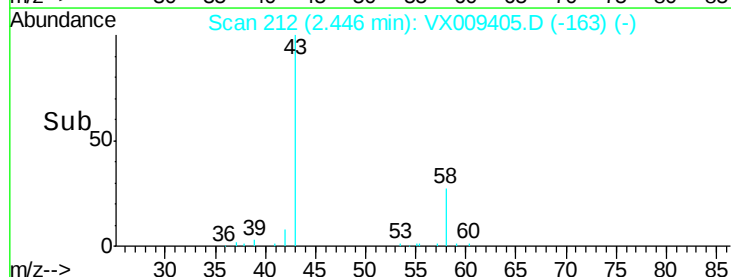
6000

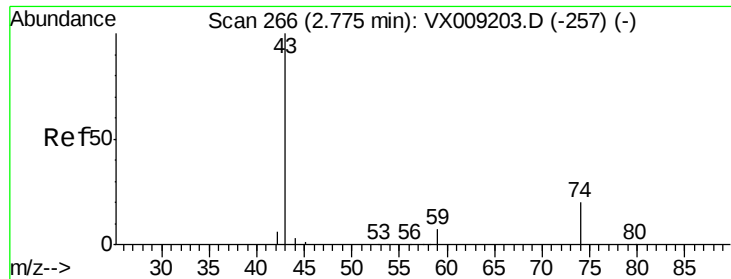
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55

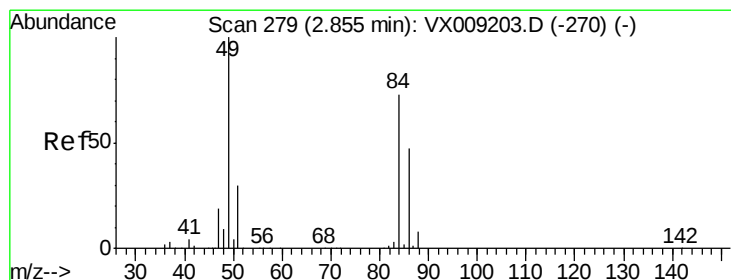
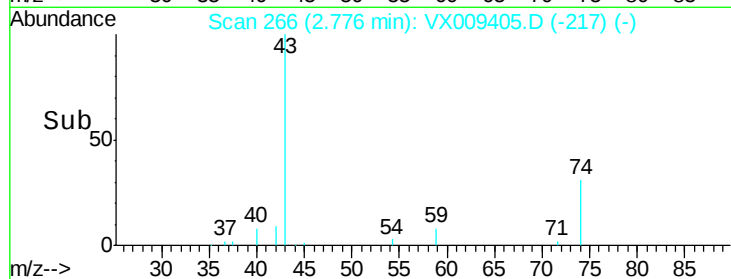
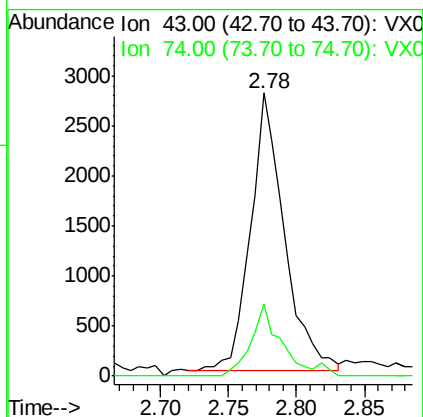
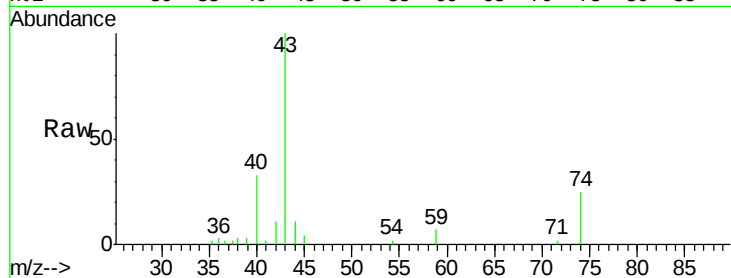




#18  
Methvl Acetate  
Concen: 1.566 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX009405.D  
Acq: 08 May 2019 17:54

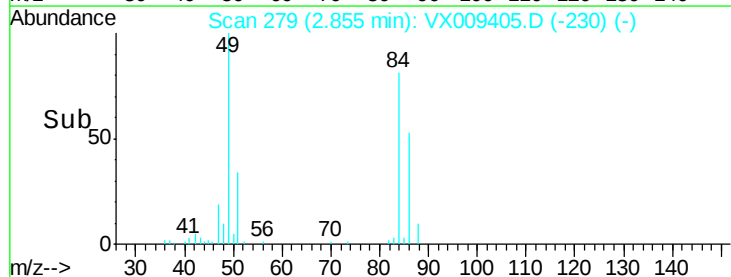
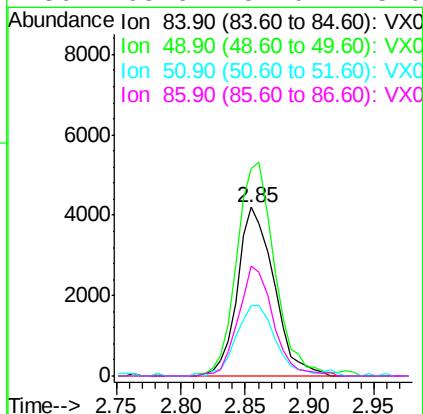
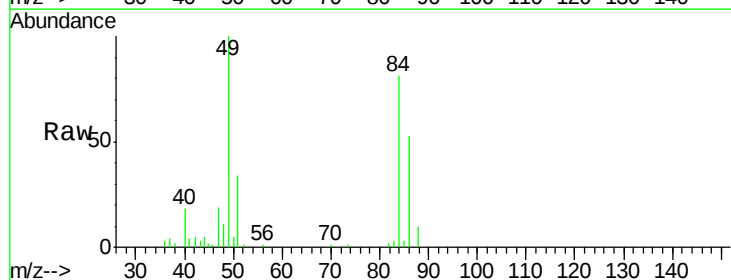
Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-03-050719-A

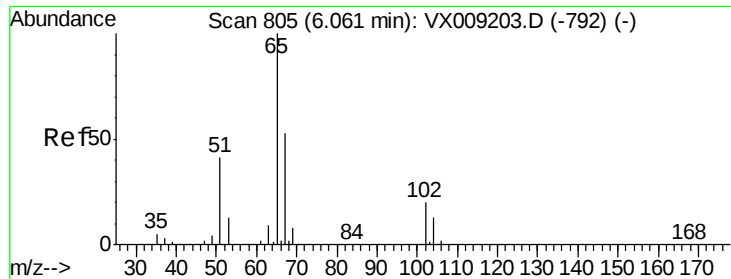
Tot Ion: 43 Resp: 4820  
Ion Ratio Lower Upper  
43 100  
74 23.9 16.2 24.4



#20  
Methylene Chloride  
Concen: 3.945 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX009405.D  
Acq: 08 May 2019 17:54

Tgt Ion: 84 Resp: 8264  
Ion Ratio Lower Upper  
84 100  
49 122.9 109.9 164.9  
51 41.8 32.7 49.1  
86 65.6 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 48.751 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009405.D

Acq: 08 May 2019 17:54

Instrument :

MSVOA\_X

ClientSampleId :

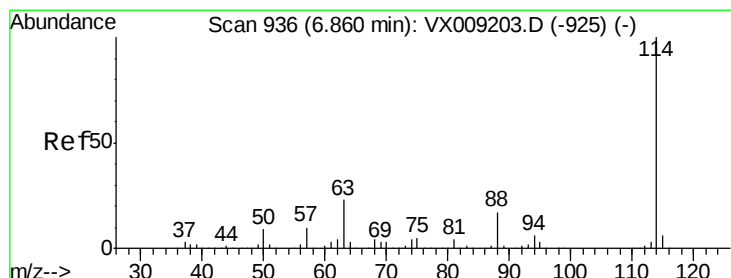
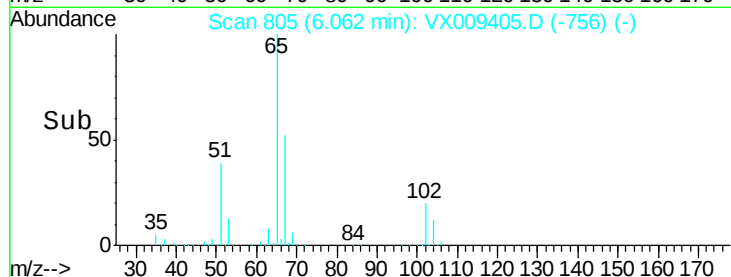
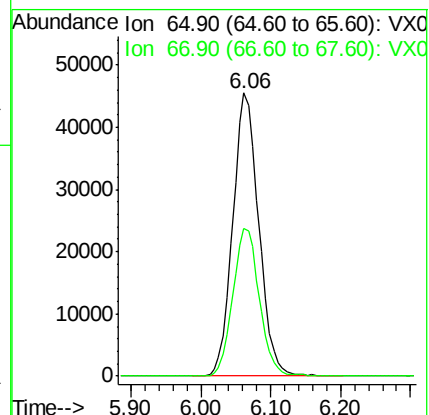
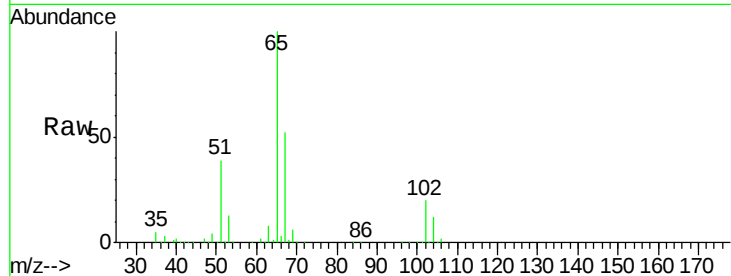
OR-03-050719-A

Tot Ion: 65 Resp: 117466

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009405.D

Acq: 08 May 2019 17:54

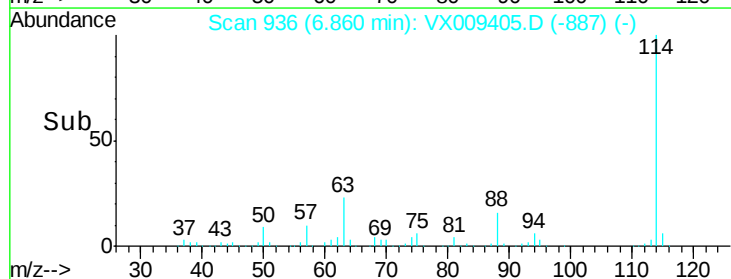
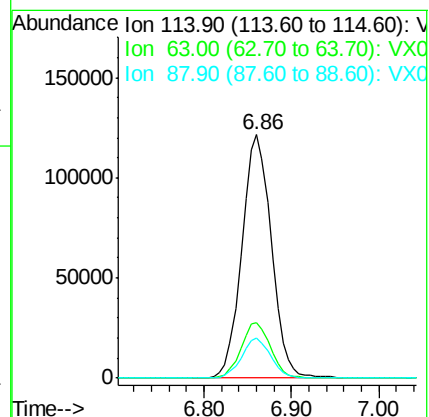
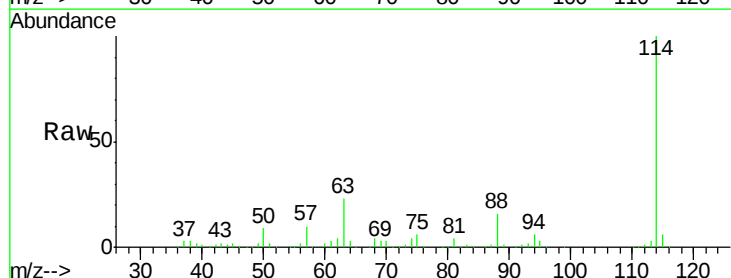
Tgt Ion: 114 Resp: 285332

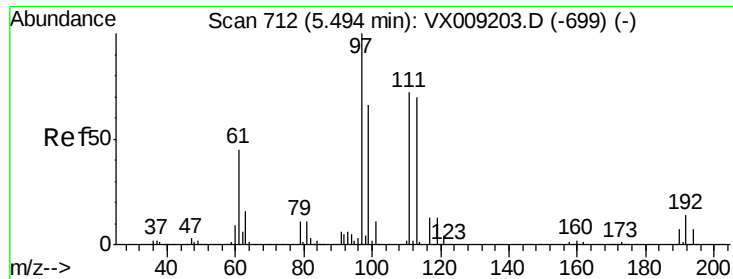
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.4 0.0 33.2

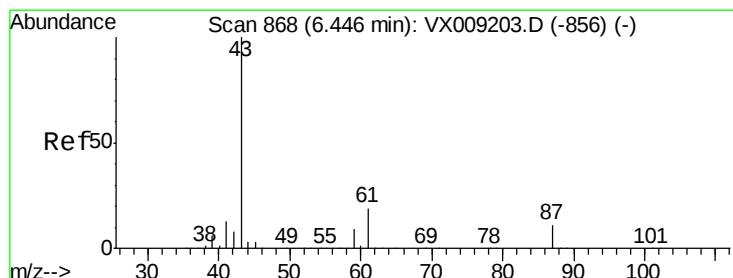
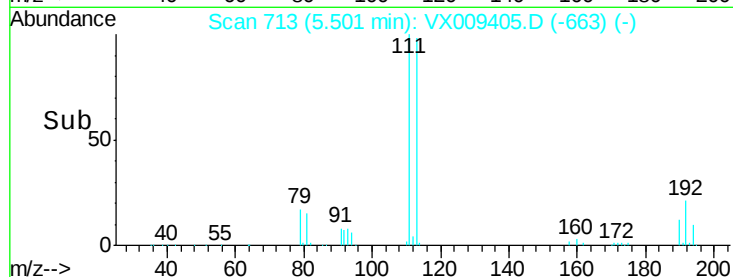
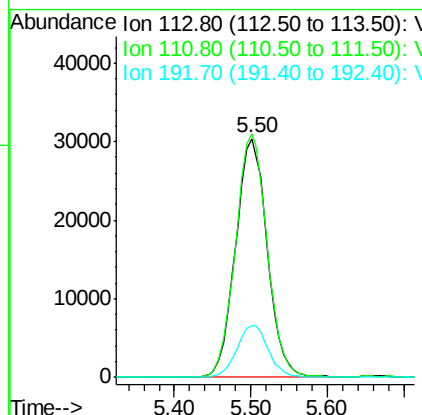
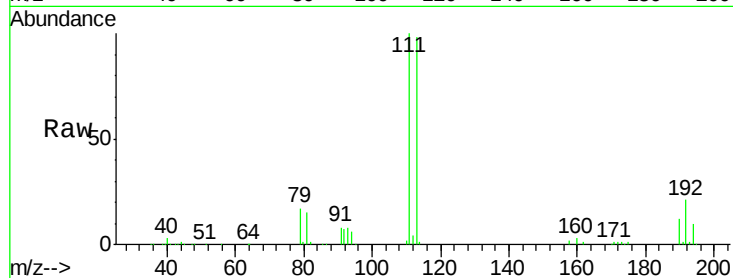




#35  
 Dibromofluoromethane  
 Concen: 48.491 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009405.D  
 Acq: 08 May 2019 17:54

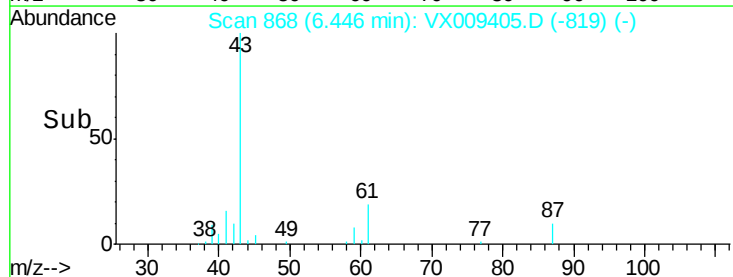
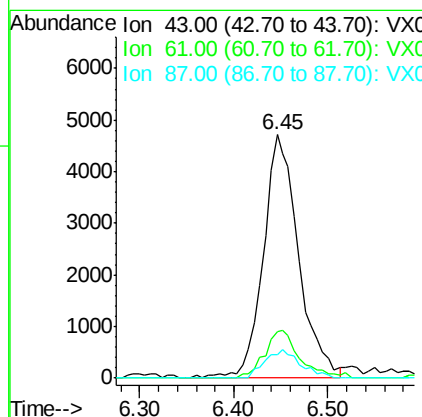
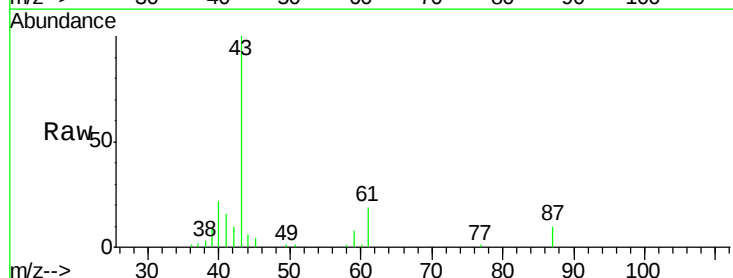
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OR-03-050719-A

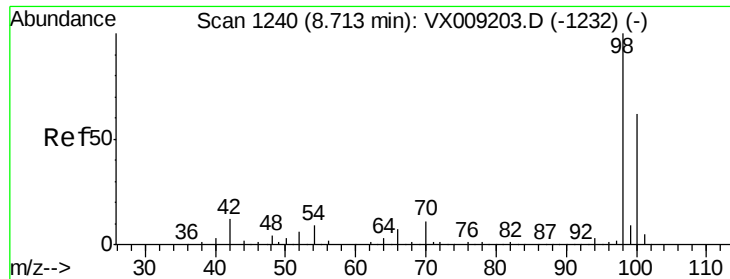
Tot Ion:113 Resp: 86979  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.8 124.2  
 192 21.6 17.0 25.6



#43  
 Isopropyl Acetate  
 Concen: 2.092 ug/l  
 RT: 6.45 min Scan# 868  
 Delta R.T. 0.00 min  
 Lab File: VX009405.D  
 Acq: 08 May 2019 17:54

Tgt Ion: 43 Resp: 12364  
 Ion Ratio Lower Upper  
 43 100  
 61 19.6 15.1 22.7  
 87 11.8 9.0 13.6





#50

Toluene-d8

Concen: 49.591 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009405.D

Acq: 08 May 2019 17:54

Instrument :

MSVOA\_X

ClientSampleId :

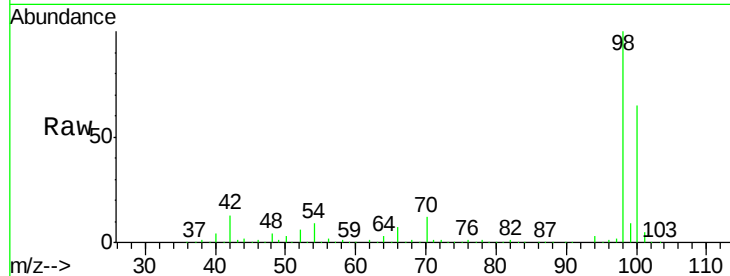
OR-03-050719-A

Tot Ion: 98 Resp: 359121

Ion Ratio Lower Upper

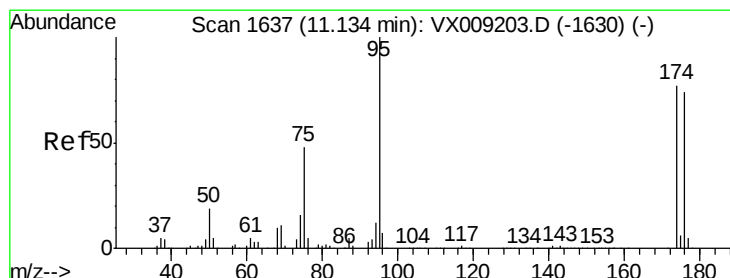
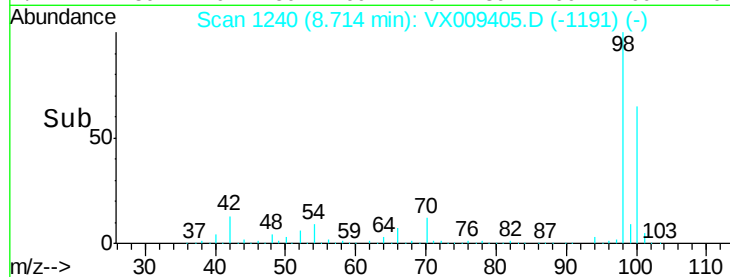
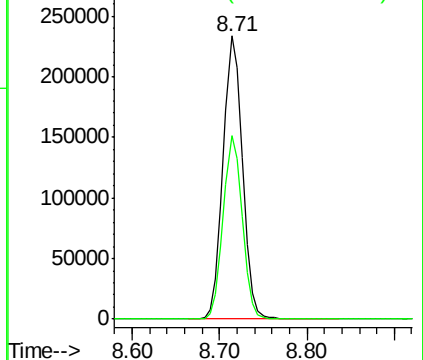
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.756 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009405.D

Acq: 08 May 2019 17:54

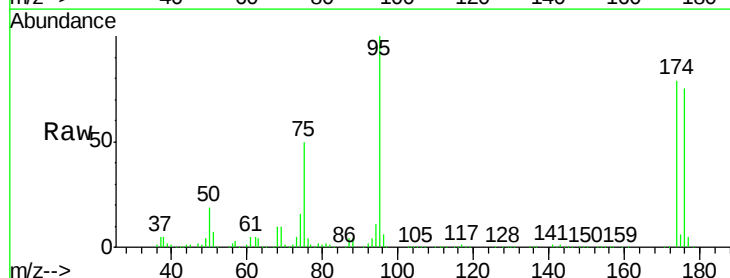
Tgt Ion: 95 Resp: 115137

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

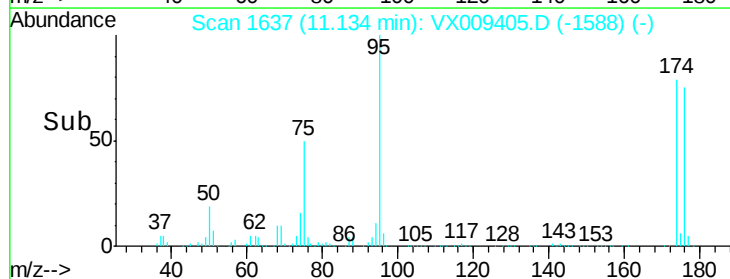
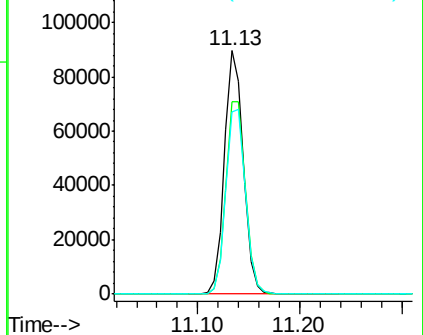
176 78.7 0.0 159.2

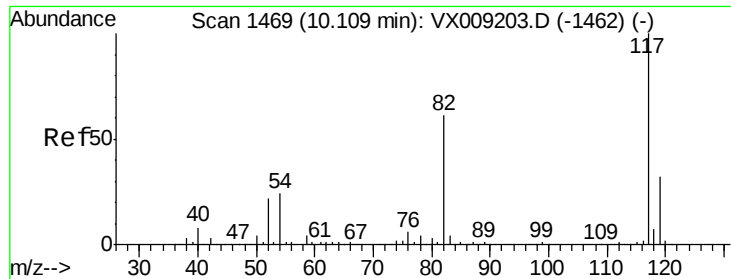


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

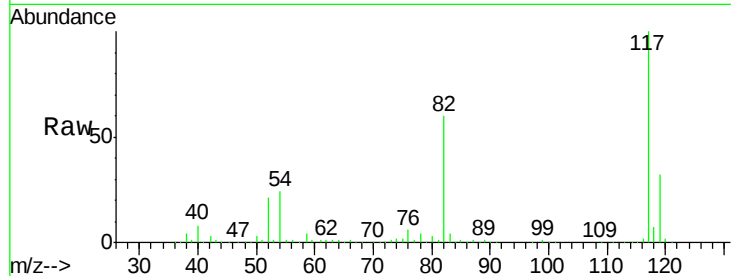




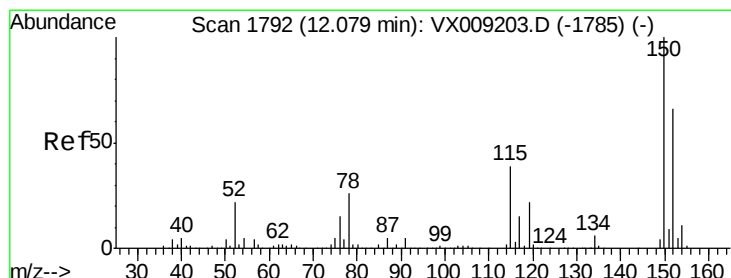
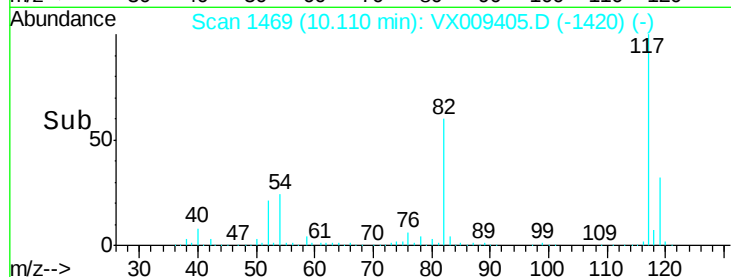
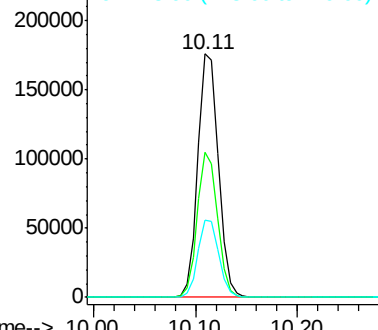
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009405.D  
Acq: 08 May 2019 17:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-03-050719-A

Tot Ion:117 Resp: 247426  
Ion Ratio Lower Upper  
117 100  
82 59.8 48.8 73.2  
119 31.8 25.8 38.6

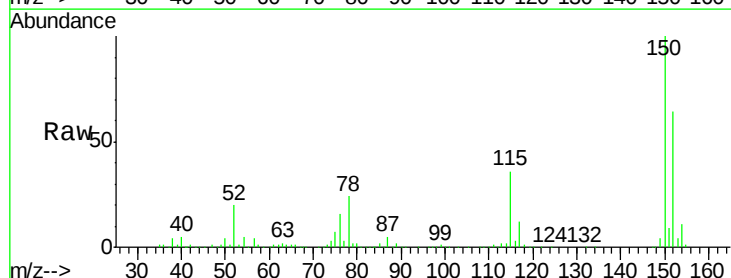


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

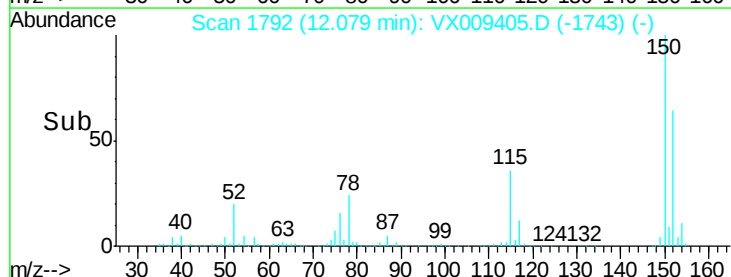
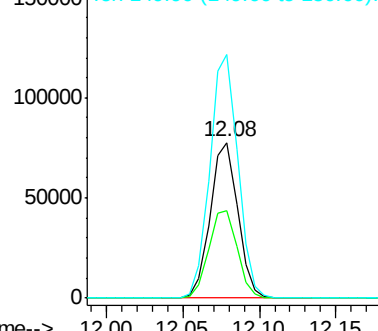


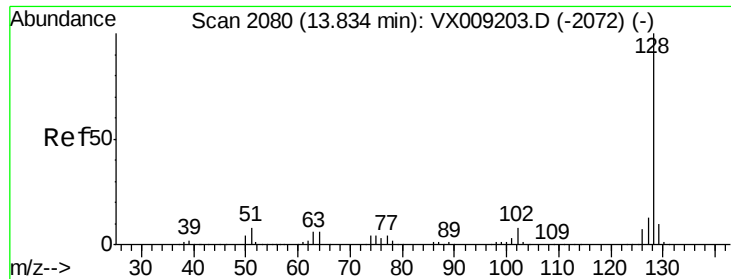
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009405.D  
Acq: 08 May 2019 17:54

Tgt Ion:152 Resp: 97138  
Ion Ratio Lower Upper  
152 100  
115 58.2 41.2 123.6  
150 159.4 0.0 346.4



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





#95

Naphthalene

Concen: 1.983 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009405.D

Acq: 08 May 2019 17:54

Instrument :

MSVOA\_X

ClientSampleId :

OR-03-050719-A

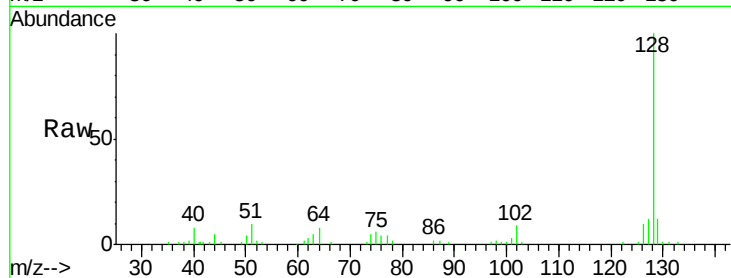
Tot Ion:128 Resp: 14047

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.8 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

