

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\  
 Data File : VW008649.D  
 Acq On : 13 Feb 2019 21:04  
 Operator : SY/VA  
 Sample : K1343-29  
 Misc : 6.69G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-021119-O

Quant Time: Feb 14 05:36:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 04:06:50 2019  
 Response via : Initial Calibration

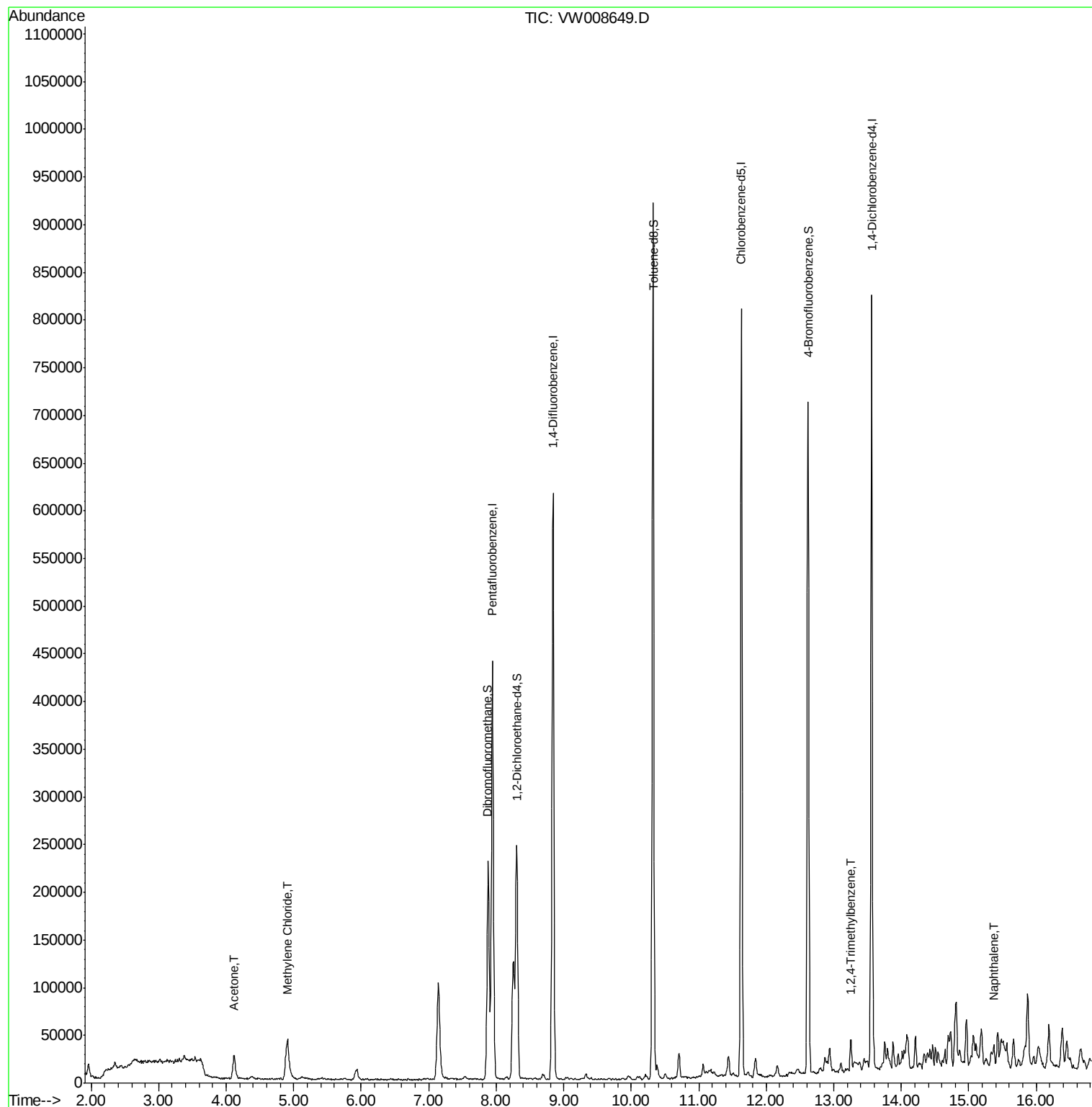
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 336867   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 501077   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 435376   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 200725   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 181428   | 51.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.60% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 155476   | 49.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.94%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 590294   | 49.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.44%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 206942   | 45.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.62%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 42049    | 52.763 | ug/l #  | 88       |
| 20) Methylene Chloride      | 4.91  | 84   | 32844    | 2.478  | ug/l    | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.25 | 105  | 19639    | 1.539  | ug/l    | 97       |
| 95) Naphthalene             | 15.37 | 128  | 11690    | 1.485  | ug/l    | 95       |

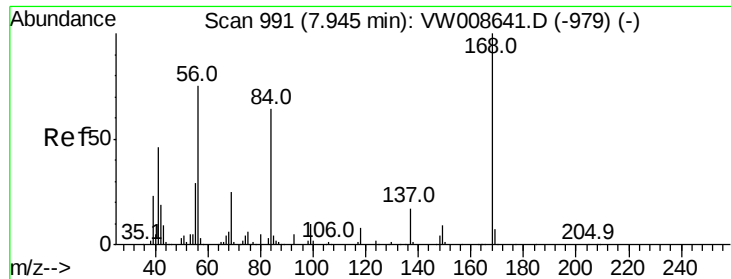
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\  
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Instrument :  
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JC-02-021119-O

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 14 04:06:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 21:04

Instrument :

MSVOA\_W

ClientSampleId :

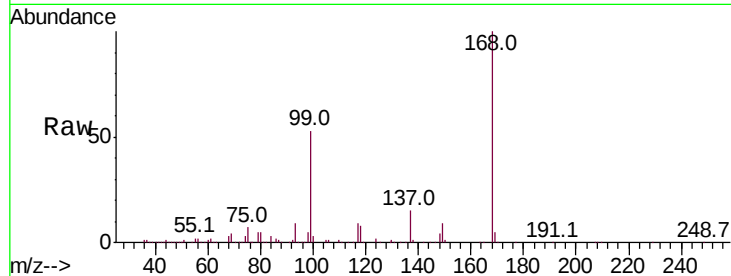
JC-02-021119-O

Tot Ion:168 Resp: 336867

Ion Ratio Lower Upper

168 100

99 53.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

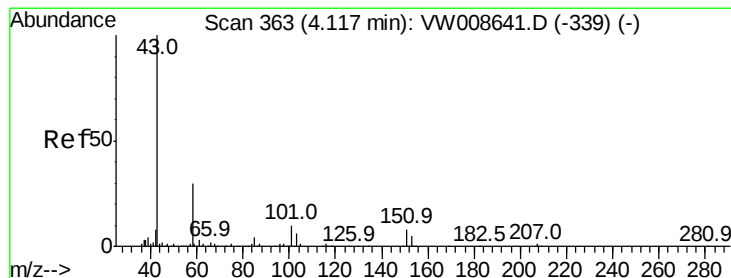
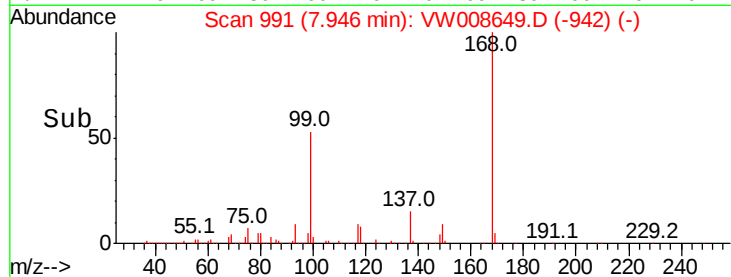
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 52.763 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008649.D

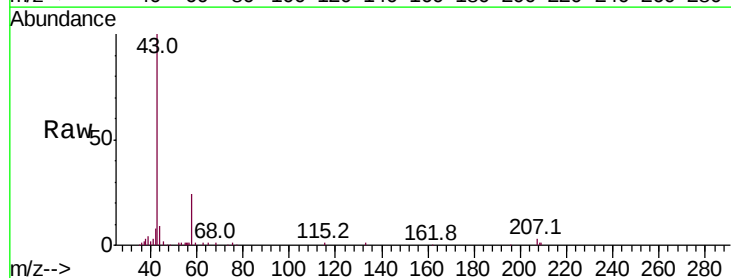
Acq: 13 Feb 2019 21:04

Tgt Ion: 43 Resp: 42049

Ion Ratio Lower Upper

43 100

58 23.6 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

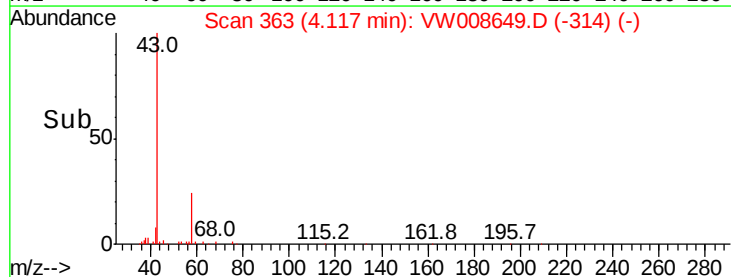
15000

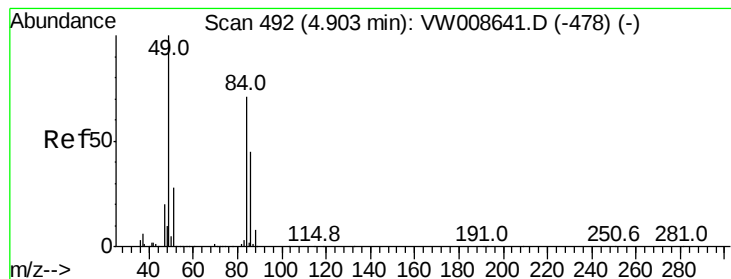
10000

5000

0

Time--> 4.00 4.10 4.20





#20

Methylene Chloride

Concen: 2.478 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 21:04

Instrument :

MSVOA\_W

ClientSampled :

JC-02-021119-O

Tot Ion: 84 Resp: 32844

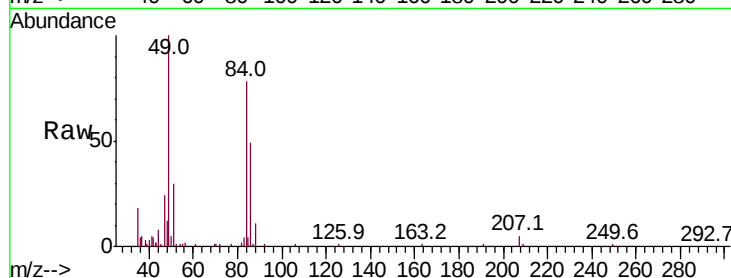
Ion Ratio Lower Upper

84 100

49 127.8 113.3 169.9

51 38.0 32.1 48.1

86 63.0 50.9 76.3



Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

15000

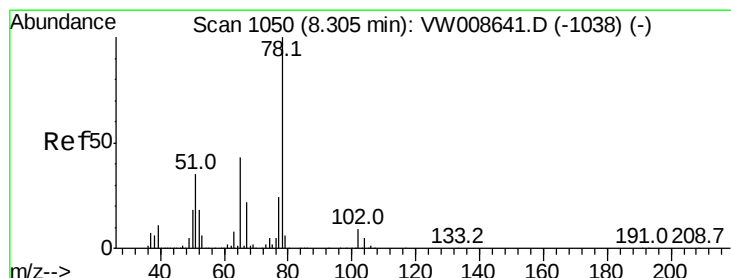
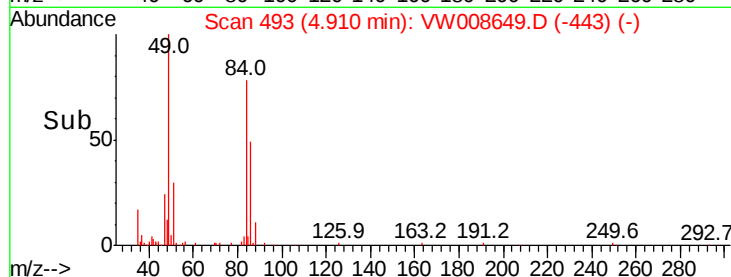
10000

5000

0

4.80 4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.804 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008649.D

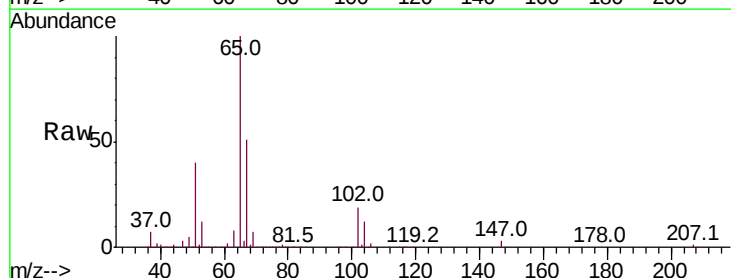
Acq: 13 Feb 2019 21:04

Tgt Ion: 65 Resp: 181428

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.0



Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

100000

80000

60000

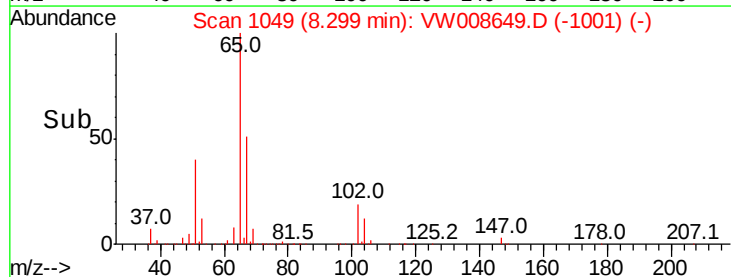
40000

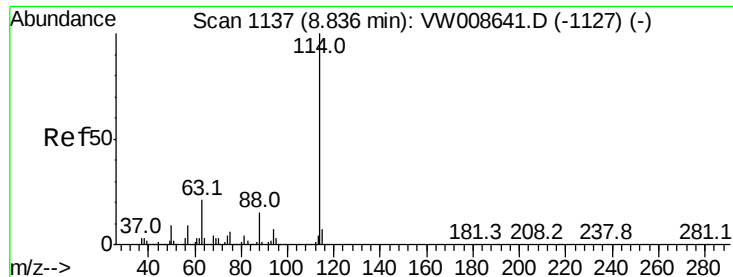
20000

0

8.20 8.30 8.40

Time-->

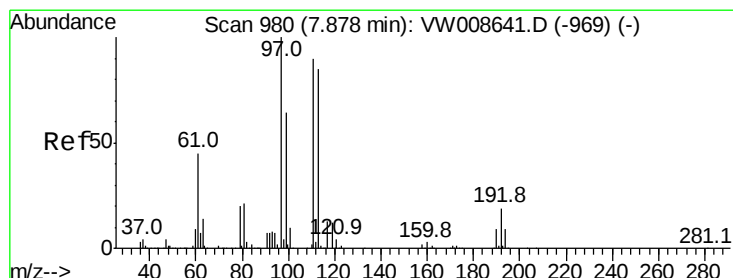
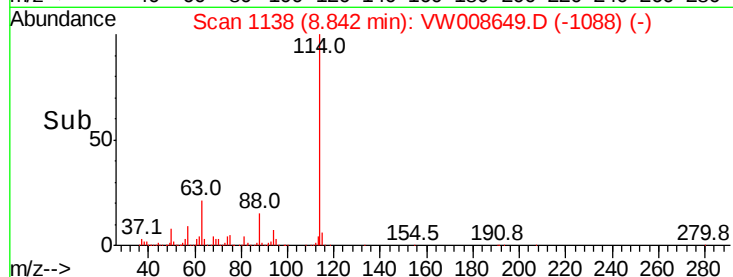
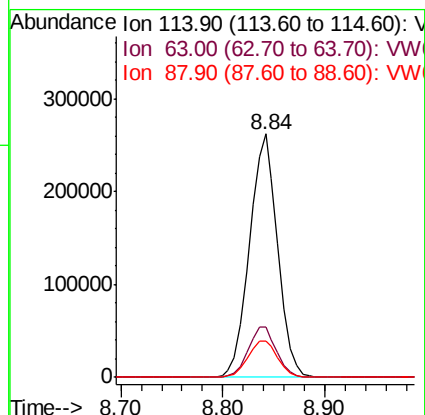
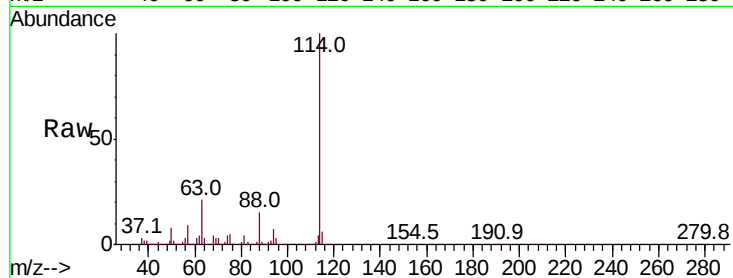




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.01 min  
Lab File: VW008649.D  
Acq: 13 Feb 2019 21:04

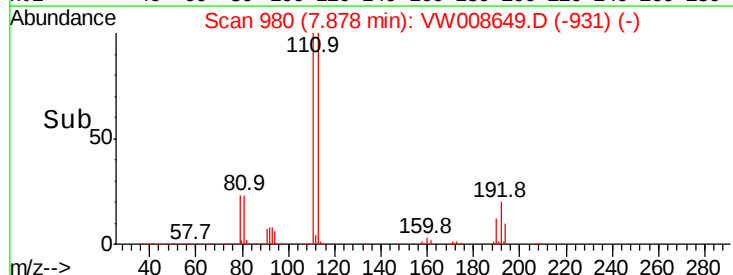
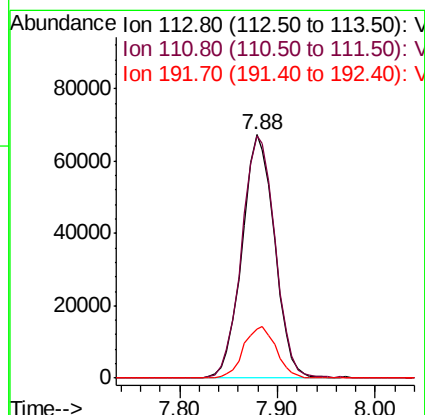
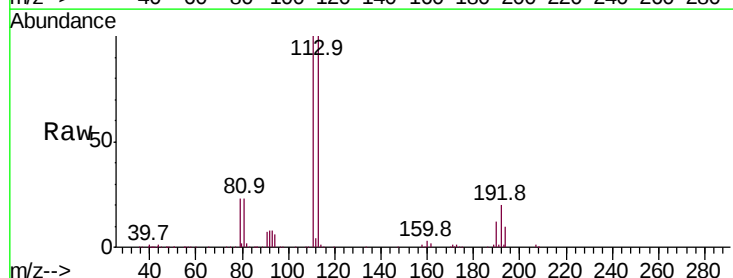
Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-O

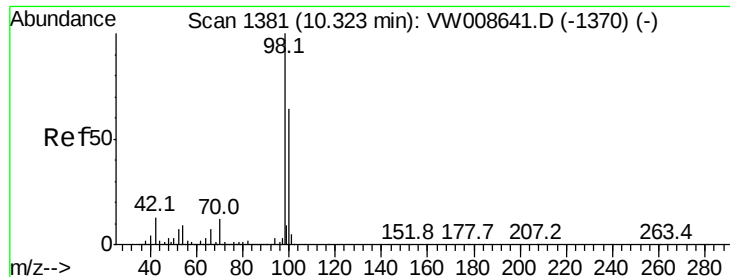
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.8  | 0.0   | 41.2  |
| 88      | 14.9  | 0.0   | 29.6  |



#35  
Dibromofluoromethane  
Concen: 49.970 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: VW008649.D  
Acq: 13 Feb 2019 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 84.0  | 126.0 |
| 192     | 21.3  | 17.4  | 26.2  |





#50

Toluene-d8

Concen: 49.216 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 21:04

Instrument :

MSVOA\_W

ClientSampleId :

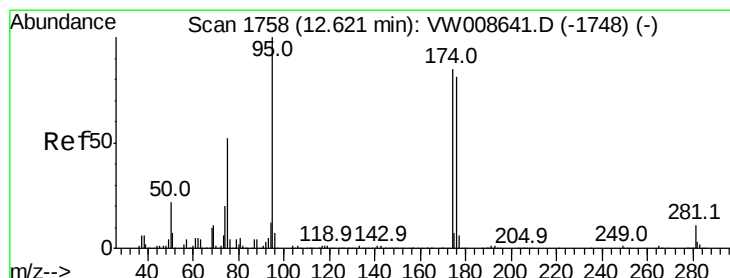
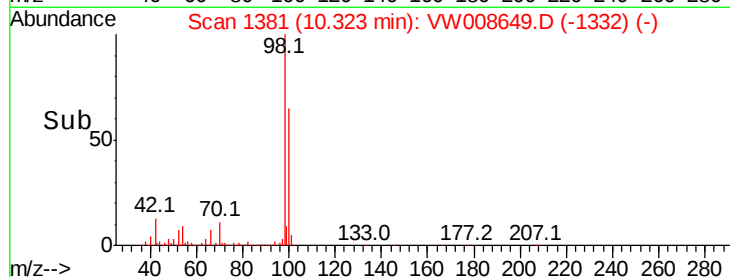
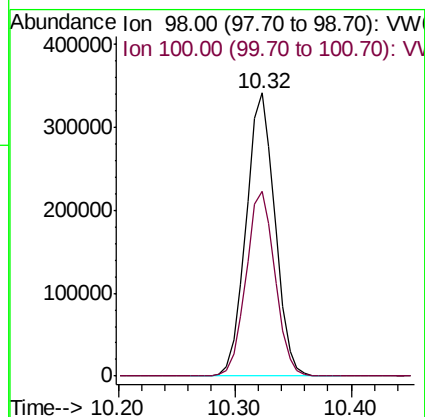
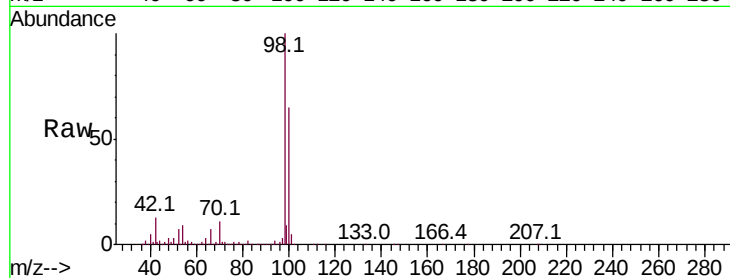
JC-02-021119-O

Tot Ion: 98 Resp: 590294

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.807 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 21:04

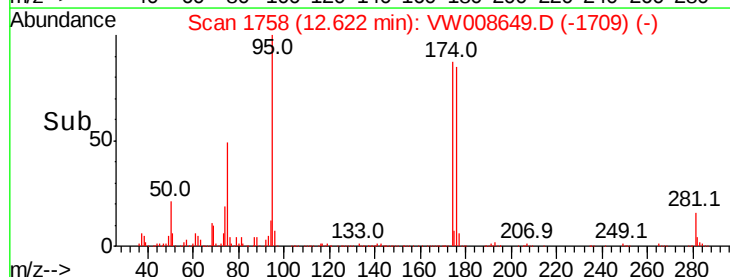
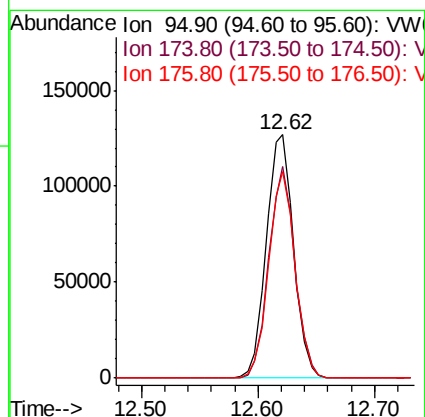
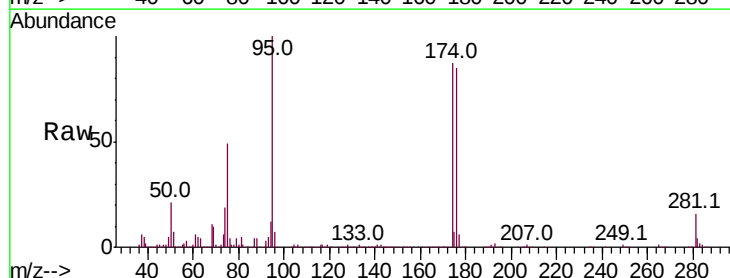
Tgt Ion: 95 Resp: 206942

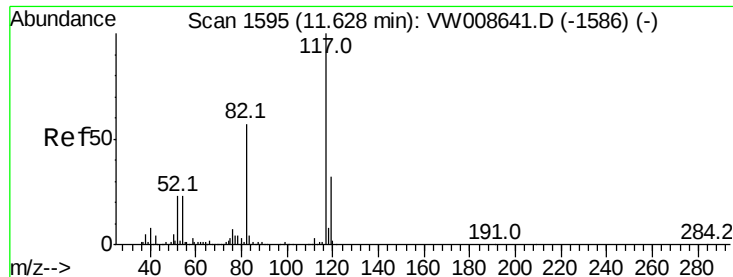
Ion Ratio Lower Upper

95 100

174 83.1 0.0 163.2

176 82.0 0.0 158.0

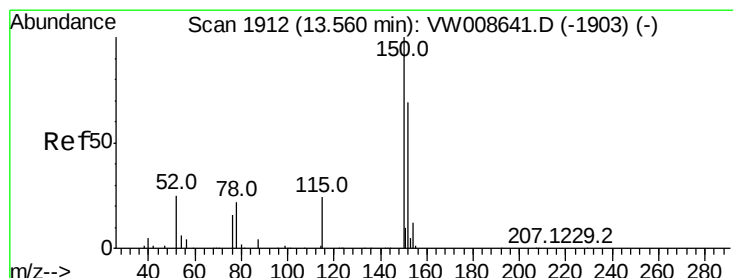
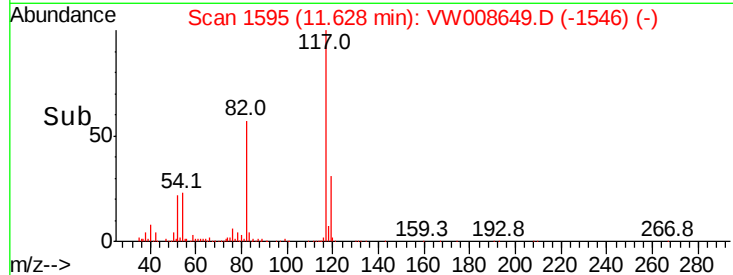
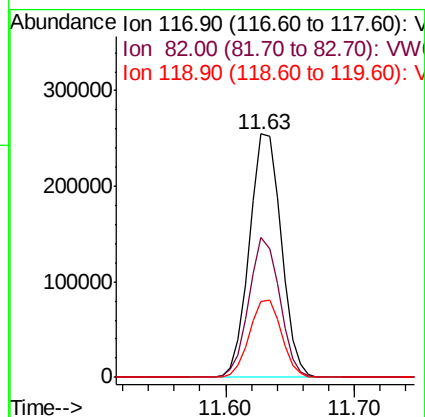
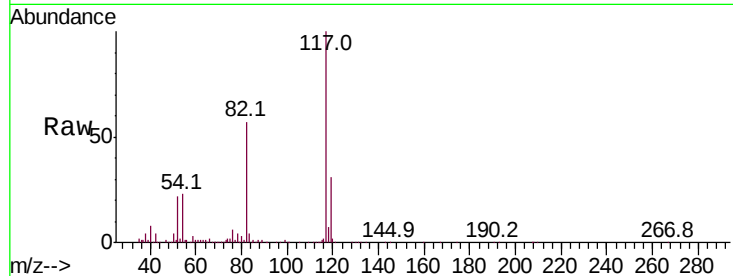




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW008649.D  
Acq: 13 Feb 2019 21:04

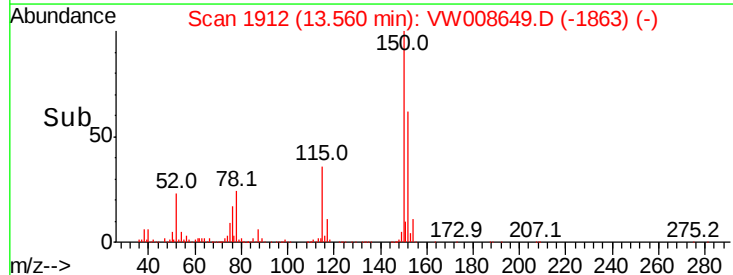
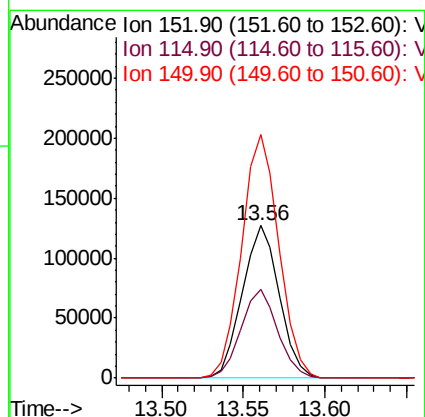
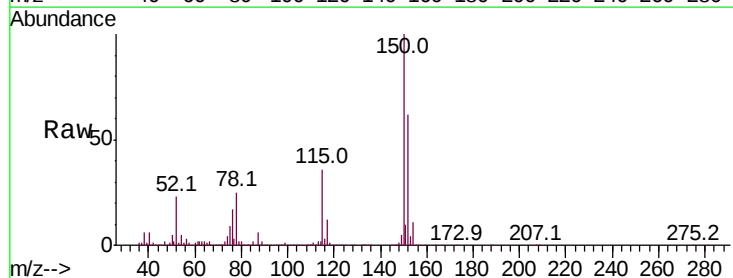
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ClientSampleId :  
JC-02-021119-O

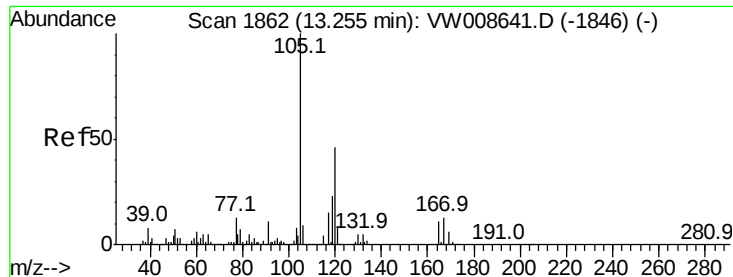
Tot Ion:117 Resp: 435376  
Ion Ratio Lower Upper  
117 100  
82 57.3 45.6 68.4  
119 31.0 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW008649.D  
Acq: 13 Feb 2019 21:04

Tgt Ion:152 Resp: 200725  
Ion Ratio Lower Upper  
152 100  
115 57.6 29.3 87.8  
150 160.1 0.0 352.8

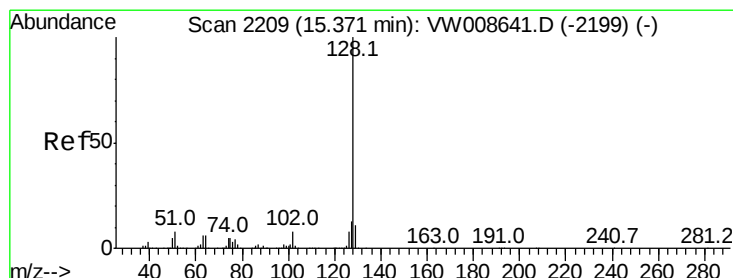
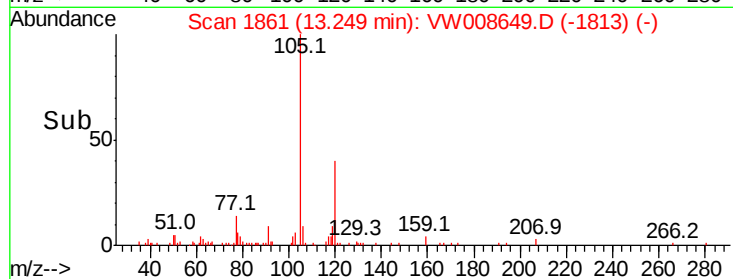
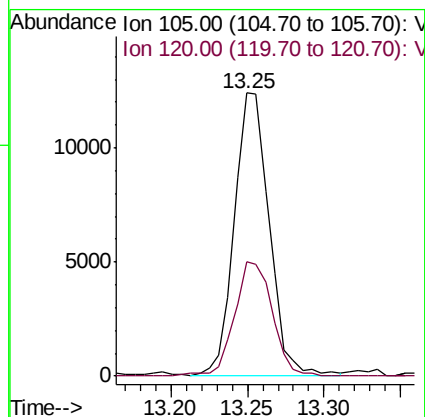
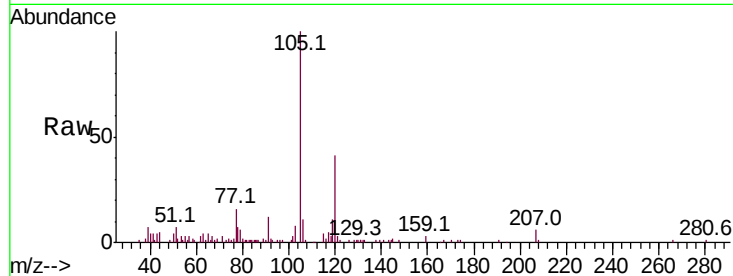




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.539 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.01 min  
 Lab File: VW008649.D  
 Acq: 13 Feb 2019 21:04

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-021119-O

Tot Ion:105 Resp: 19639  
 Ion Ratio Lower Upper  
 105 100  
 120 43.7 22.9 68.8



#95  
 Naphthalene  
 Concen: 1.485 ug/l  
 RT: 15.37 min Scan# 2209  
 Delta R.T. 0.00 min  
 Lab File: VW008649.D  
 Acq: 13 Feb 2019 21:04

Tgt Ion:128 Resp: 11690  
 Ion Ratio Lower Upper  
 128 100  
 127 15.9 10.9 16.3  
 129 9.2 8.7 13.1

