

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\  
 Data File : VX015976.D  
 Acq On : 29 Apr 2020 14:55  
 Operator : JC/SP  
 Sample : L2405-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Apr 30 08:10:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 265267   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 431161   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 417135   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 221006   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 166358   | 47.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.94%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 125494   | 46.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.32%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 526220   | 52.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.66% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 209517   | 53.12 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.24% |          |

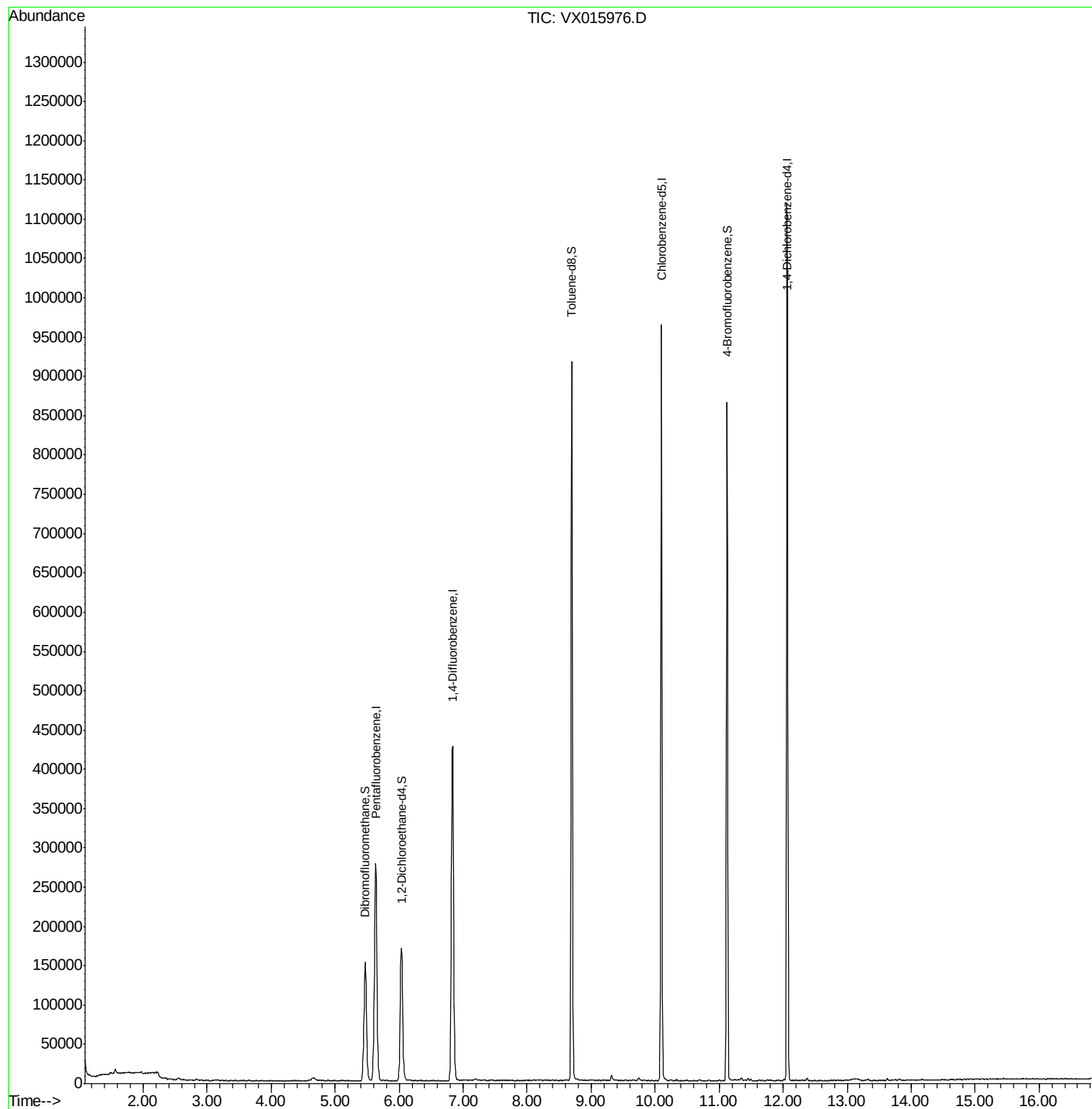
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

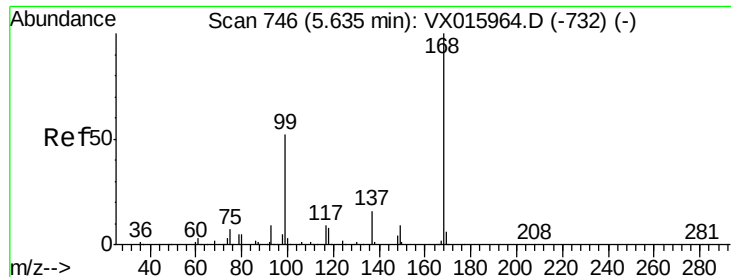
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042920\  
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Sample : L2405-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

Quant Time: Apr 30 08:10:23 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 28 17:30:11 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015976.D

Acq: 29 Apr 2020 14:55

Instrument :

MSVOA\_X

ClientSampleId :

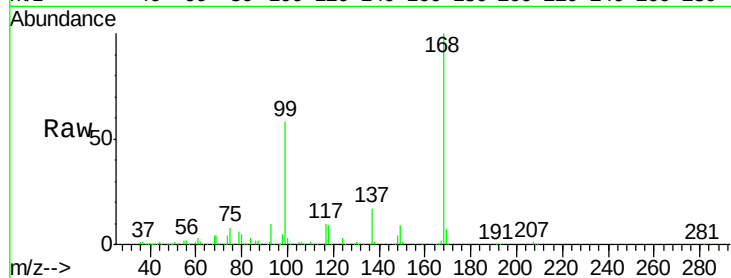
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Tot Ion:168 Resp: 265267

Ion Ratio Lower Upper

168 100

99 57.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

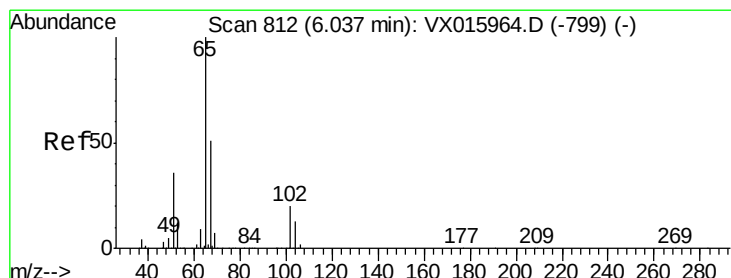
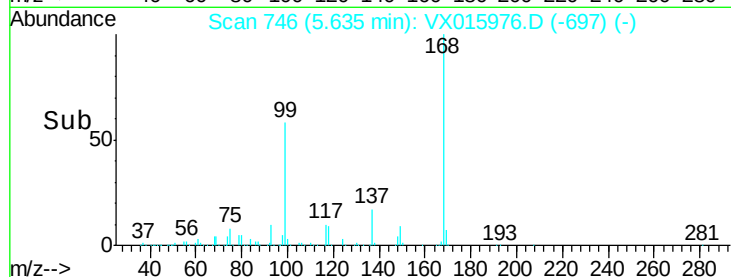
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.966 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015976.D

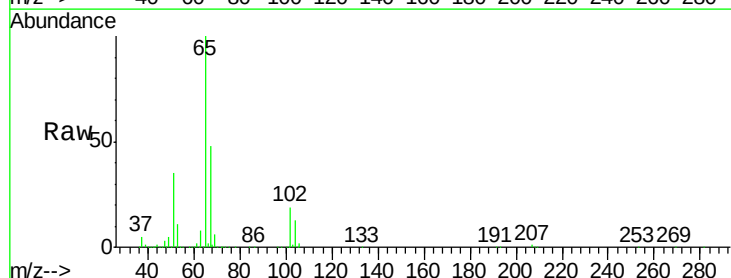
Acq: 29 Apr 2020 14:55

Tgt Ion: 65 Resp: 166358

Ion Ratio Lower Upper

65 100

67 50.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

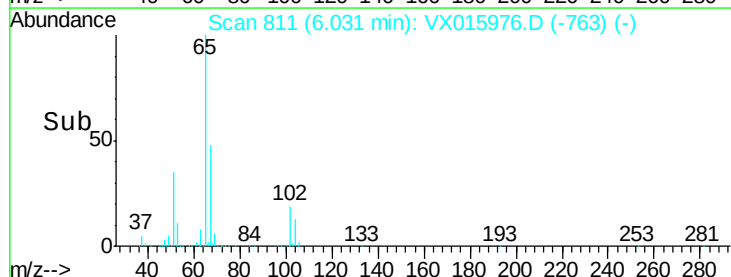
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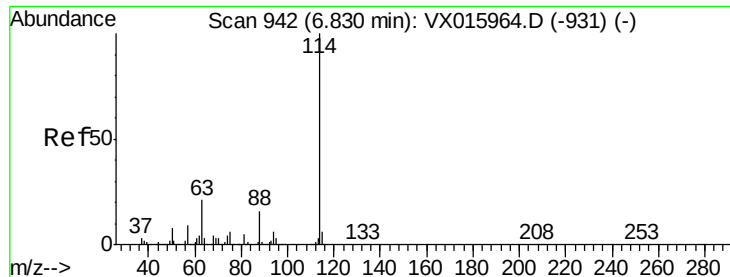
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Time-->

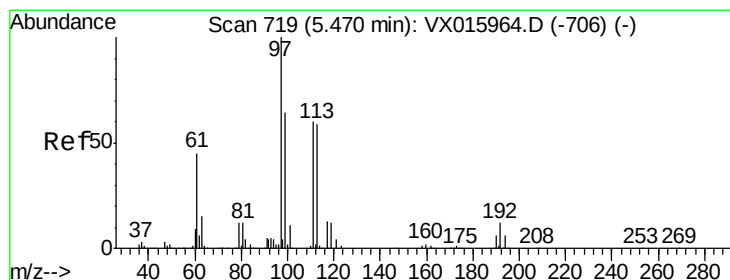
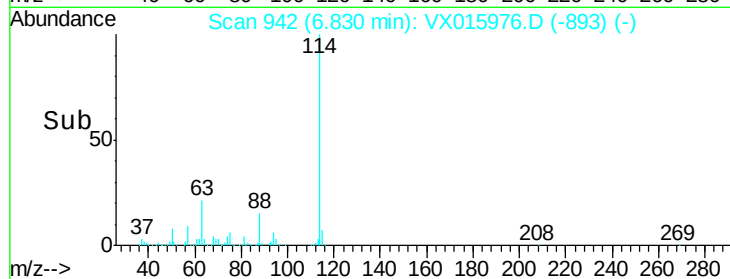
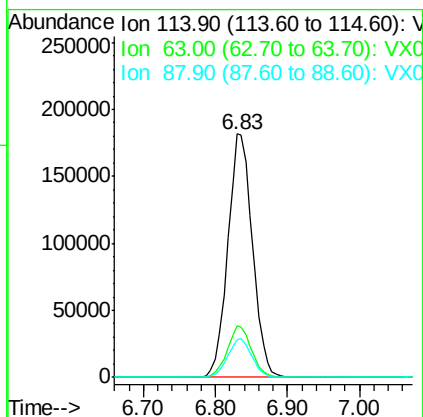
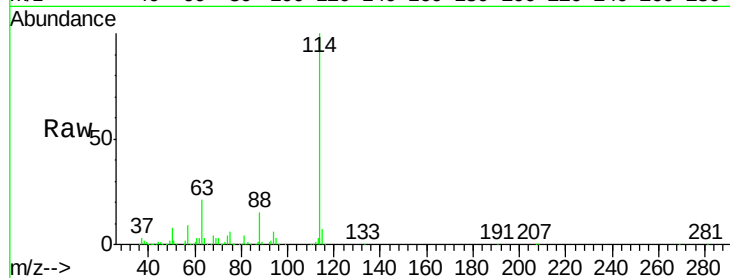




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX015976.D  
 Acq: 29 Apr 2020 14:55

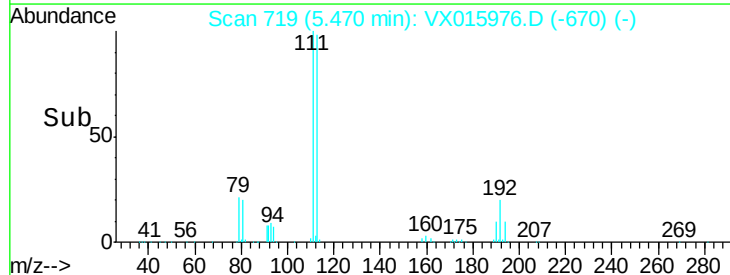
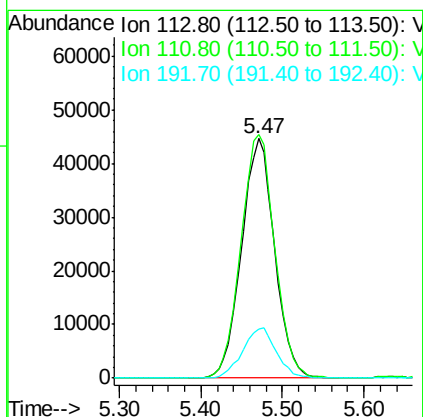
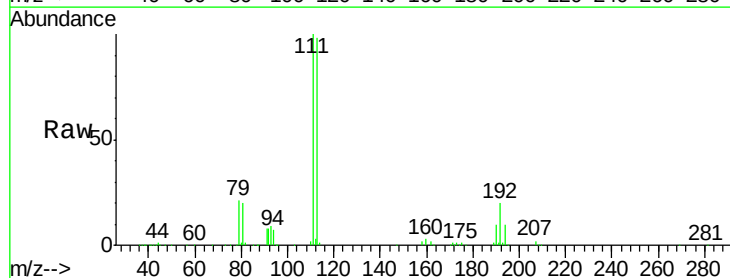
Instrument :  
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 ClientSampleId :  
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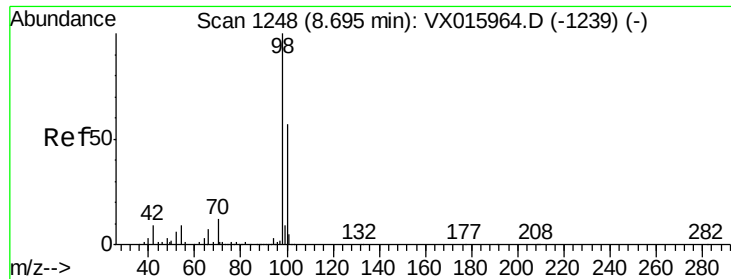
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.0  | 0.0   | 41.2  |
| 88      | 15.3  | 0.0   | 31.8  |



#35  
 Dibromofluoromethane  
 Concen: 46.659 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. 0.00 min  
 Lab File: VX015976.D  
 Acq: 29 Apr 2020 14:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 81.8  | 122.8 |
| 192     | 21.4  | 16.8  | 25.2  |

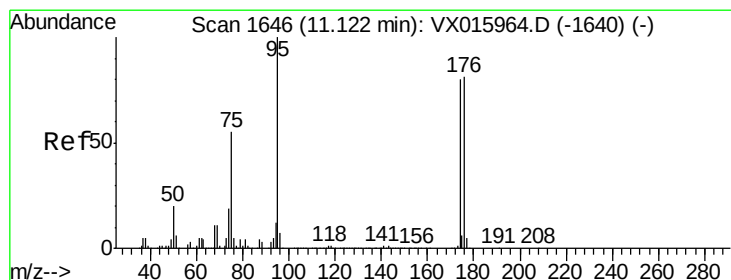
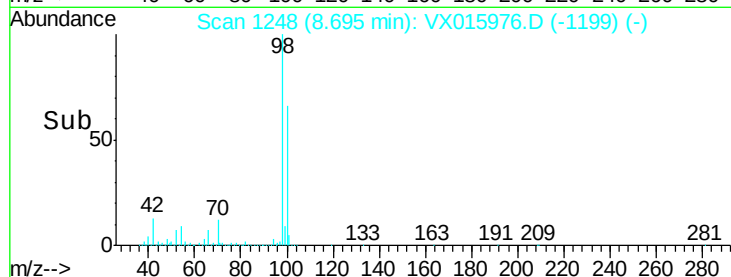
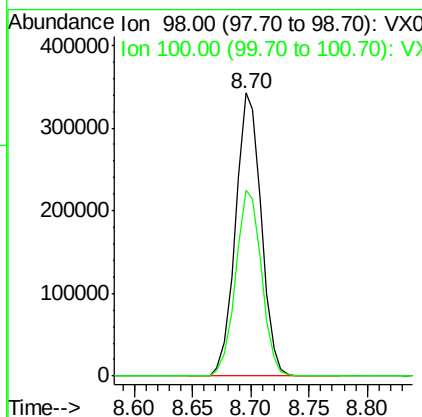
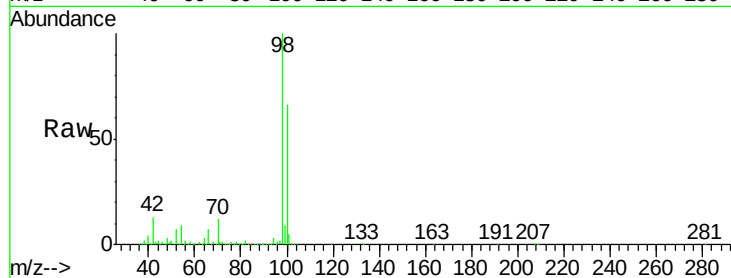




#50  
Toluene-d8  
Concen: 52.328 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX015976.D  
Acq: 29 Apr 2020 14:55

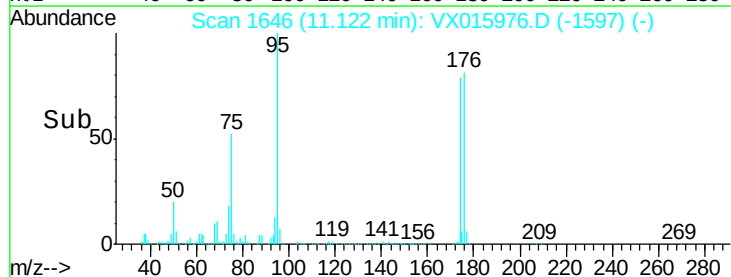
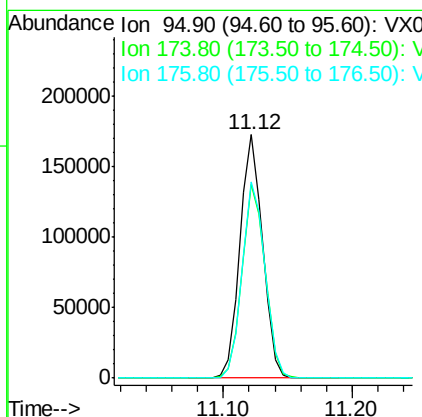
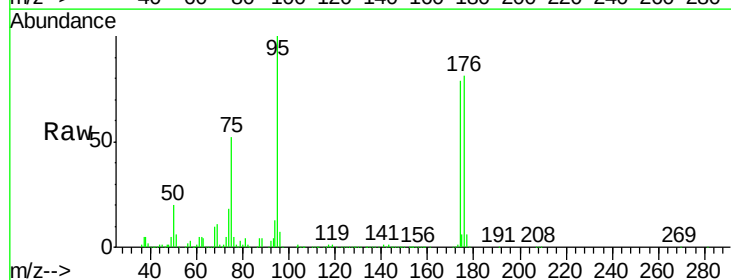
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MSVOA\_X  
ClientSampleId :  
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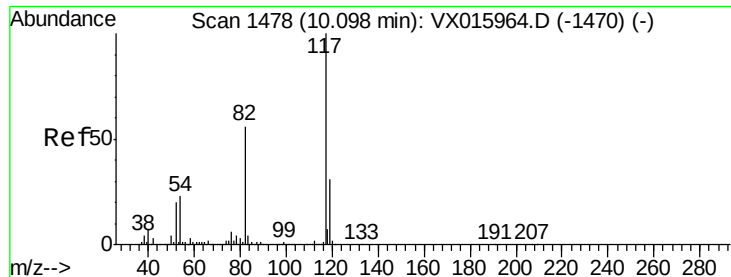
Tot Ion: 98 Resp: 526220  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 53.120 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX015976.D  
Acq: 29 Apr 2020 14:55

Tgt Ion: 95 Resp: 209517  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 165.0  
176 81.3 0.0 163.2

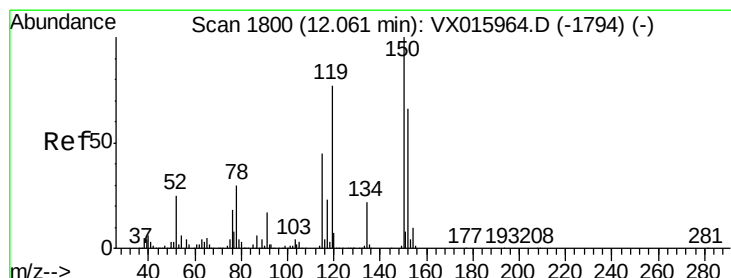
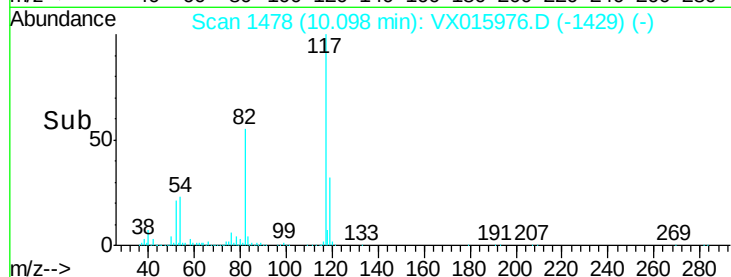
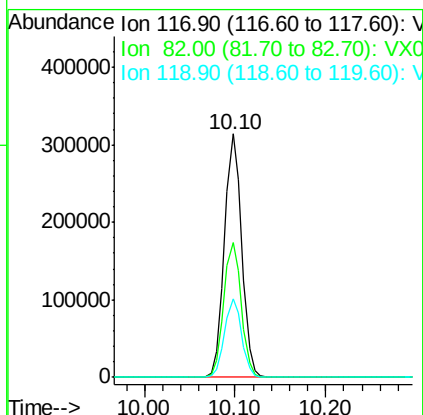
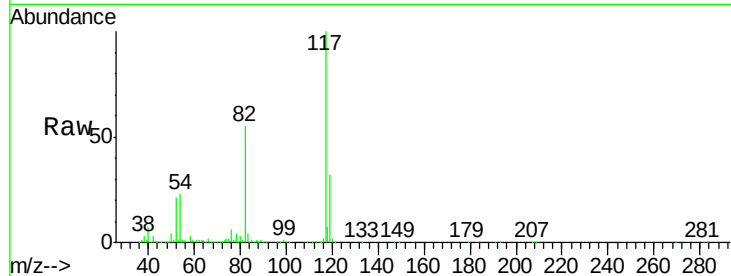




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX015976.D  
Acq: 29 Apr 2020 14:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

Tot Ion:117 Resp: 417135  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.5 66.7  
119 32.1 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX015976.D  
Acq: 29 Apr 2020 14:55

Tgt Ion:152 Resp: 221006  
Ion Ratio Lower Upper  
152 100  
115 58.3 40.9 122.7  
150 155.6 0.0 342.4

