

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\  
 Data File : VX012364.D  
 Acq On : 12 Sep 2019 23:03  
 Operator : SY/SP  
 Sample : K4752-19  
 Misc : 5.01g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SB-20-20.5-21.0

Quant Time: Sep 13 02:38:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 12:55:26 2019  
 Response via : Initial Calibration

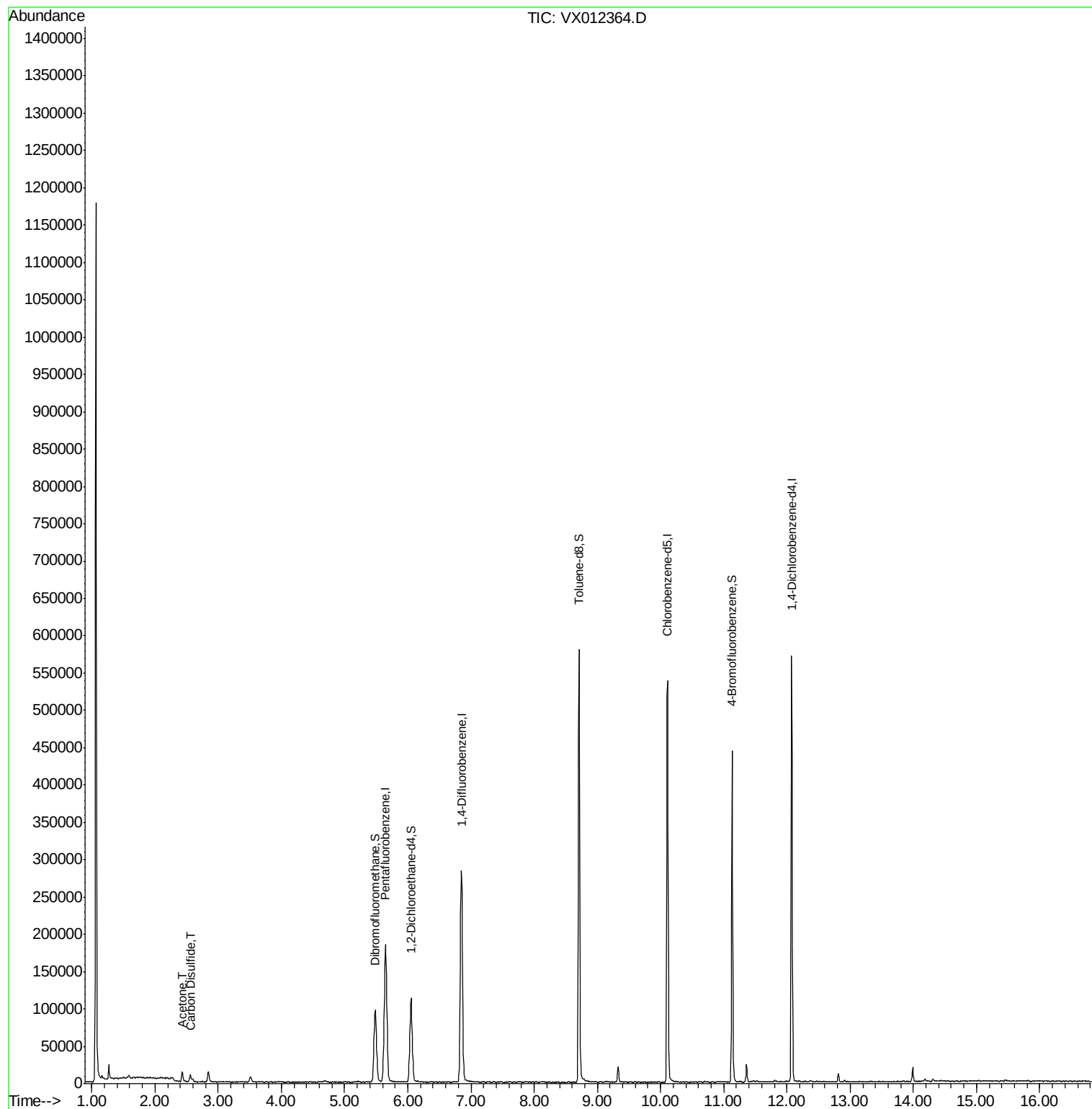
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 159415   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 273754   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 239224   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 105822   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 110610   | 49.08  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.16%  |            |
| 35) Dibromofluoromethane    | 5.48  | 113  | 80842    | 46.07  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.14%  |            |
| 50) Toluene-d8              | 8.71  | 98   | 325235   | 52.84  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.68% |            |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 124340   | 43.58  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.16%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 2.43  | 43   | 14433    | 27.051 | ug/l    | Qvalue 100 |
| 17) Carbon Disulfide        | 2.56  | 76   | 11829    | 4.670  | ug/l    | 98         |

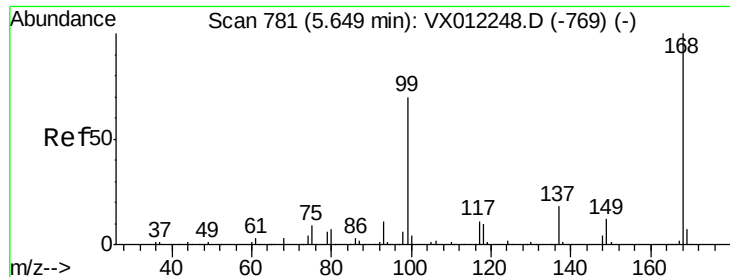
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-20-20.5-21.0

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 12:55:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA\_X

ClientSampleId :

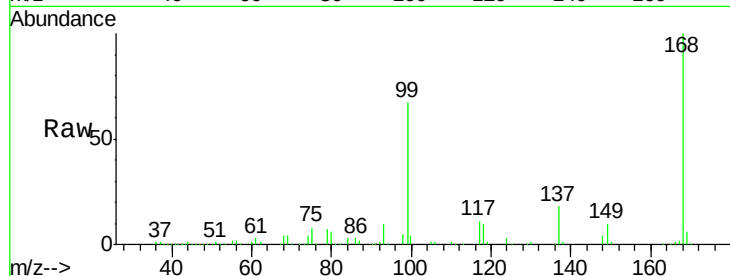
SB-20-20.5-21.0

Tot Ion:168 Resp: 159415

Ion Ratio Lower Upper

168 100

99 66.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

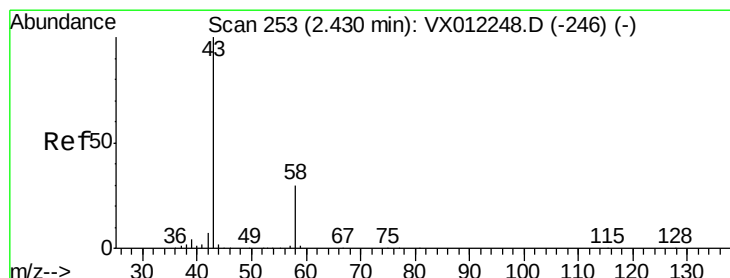
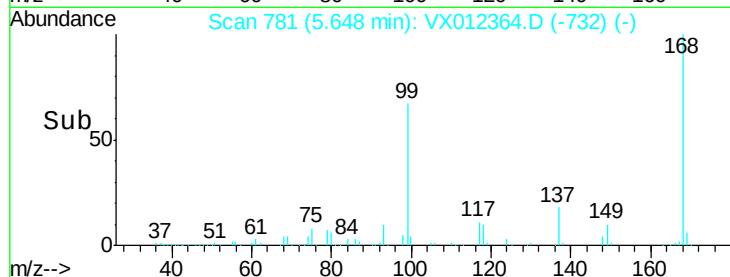
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 27.051 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012364.D

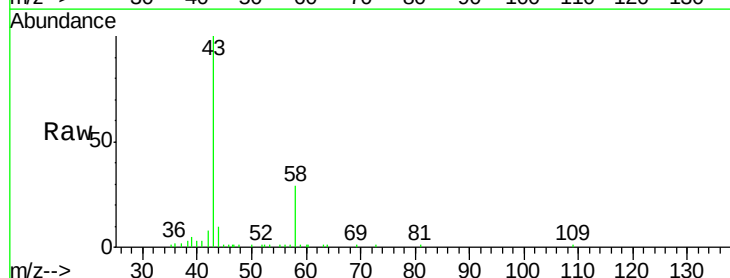
Acq: 12 Sep 2019 23:03

Tgt Ion: 43 Resp: 14433

Ion Ratio Lower Upper

43 100

58 29.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

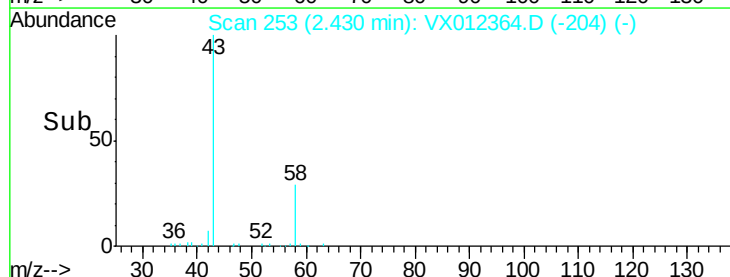
6000

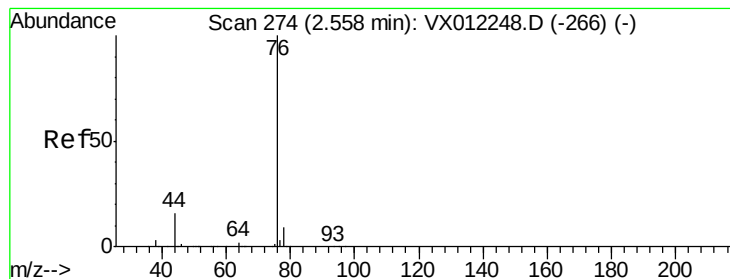
4000

2000

0

Time--> 2.35 2.40 2.45 2.50





#17

Carbon Disulfide

Concen: 4.670 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA\_X

ClientSampleId :

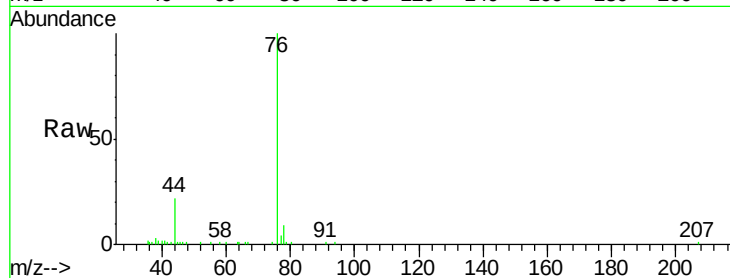
SB-20-20.5-21.0

Tot Ion: 76 Resp: 11829

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

8000

6000

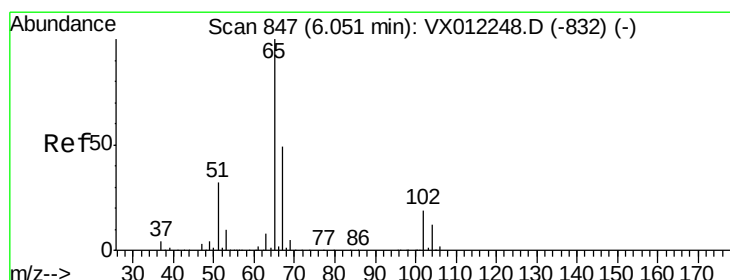
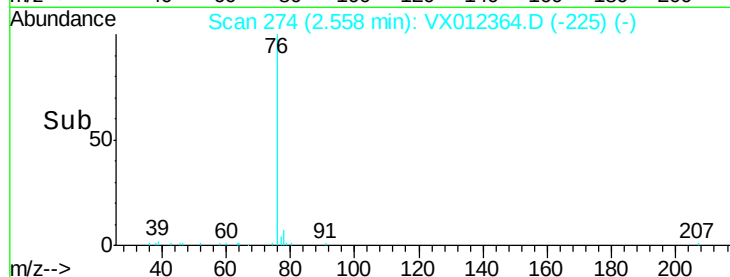
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#33

1,2-Dichloroethane-d4

Concen: 49.077 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012364.D

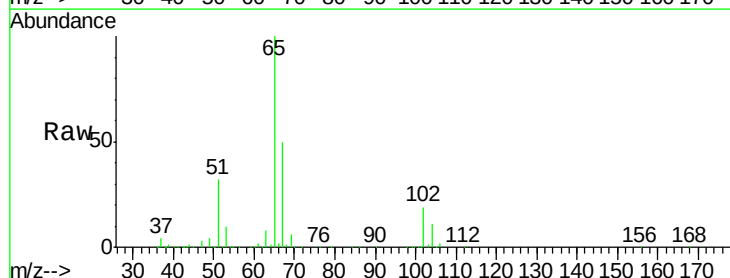
Acq: 12 Sep 2019 23:03

Tgt Ion: 65 Resp: 110610

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

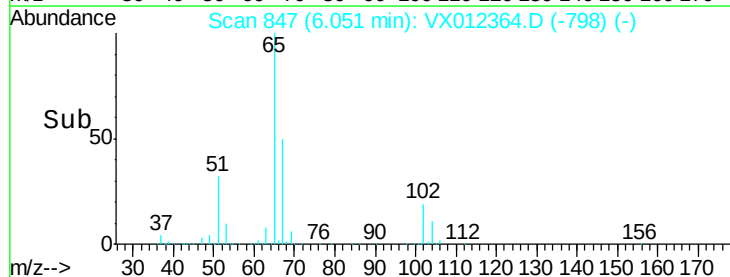
20000

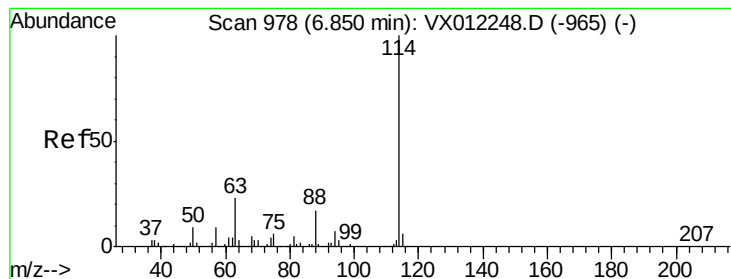
10000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

Instrument :

MSVOA\_X

ClientSampleId :

SB-20-20.5-21.0

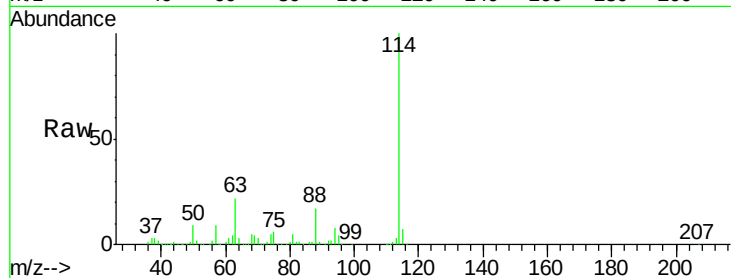
Tot Ion:114 Resp: 273754

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

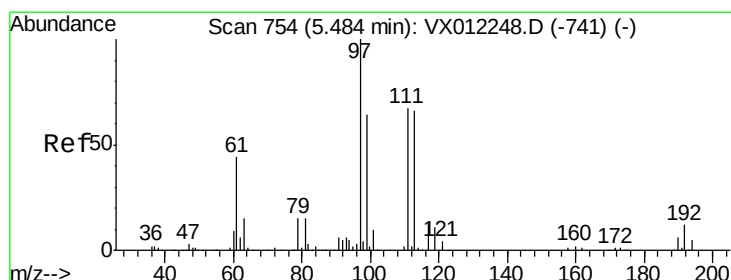
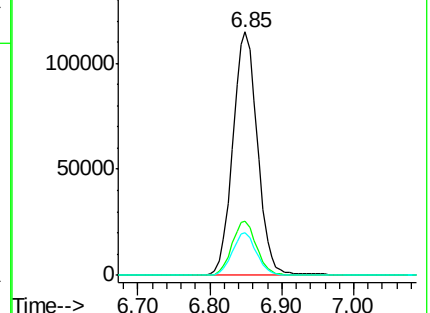
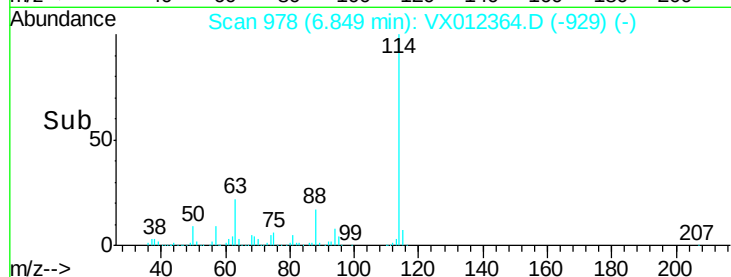
88 17.4 0.0 34.8



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: 46.067 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012364.D

Acq: 12 Sep 2019 23:03

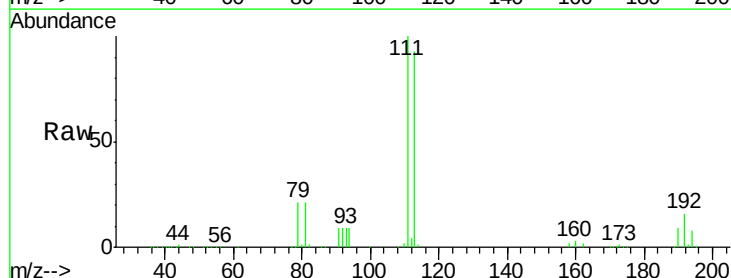
Tgt Ion:113 Resp: 80842

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

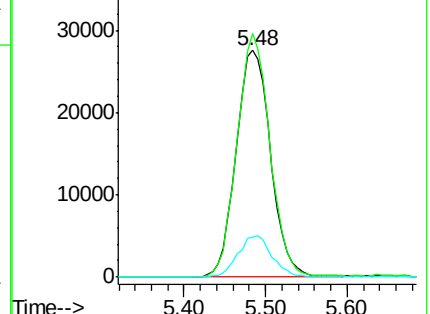
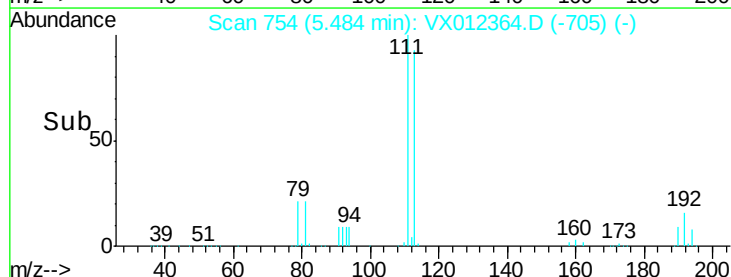
192 17.8 14.3 21.5

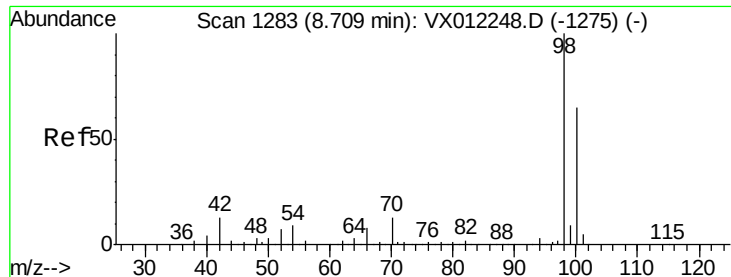


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

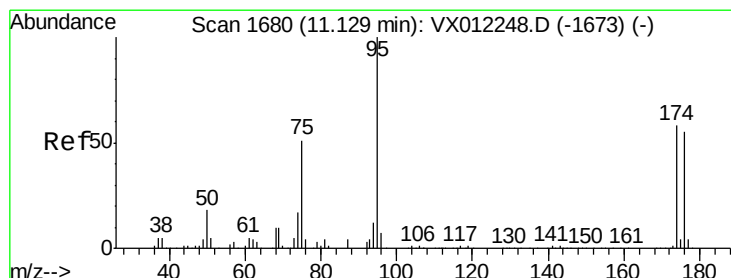
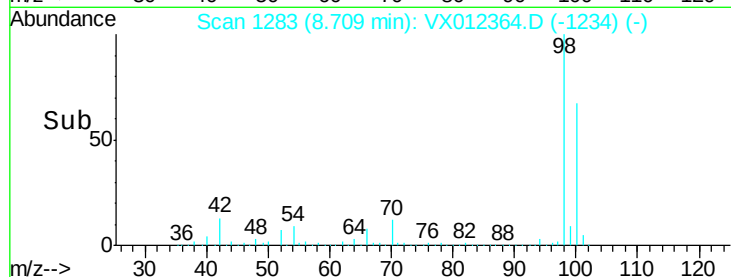
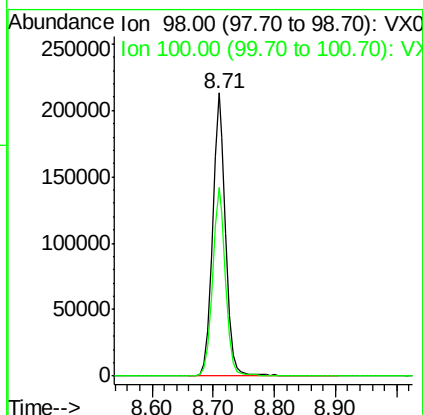
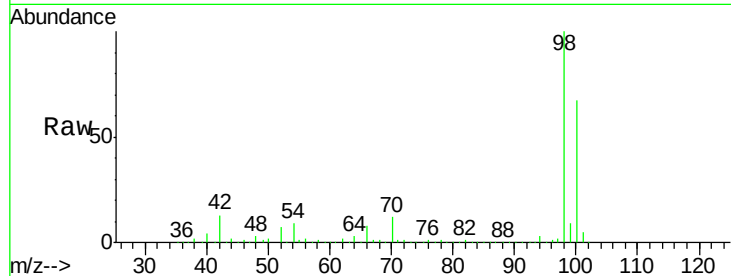




#50  
Toluene-d8  
Concen: 52.841 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012364.D  
Acq: 12 Sep 2019 23:03

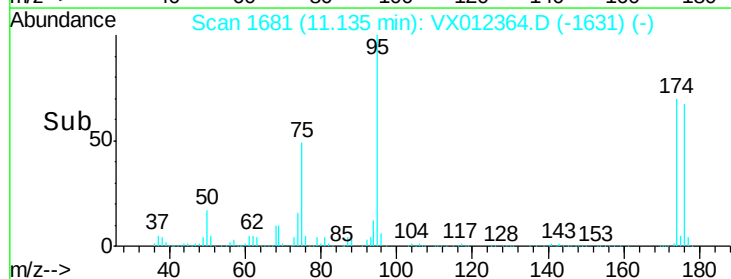
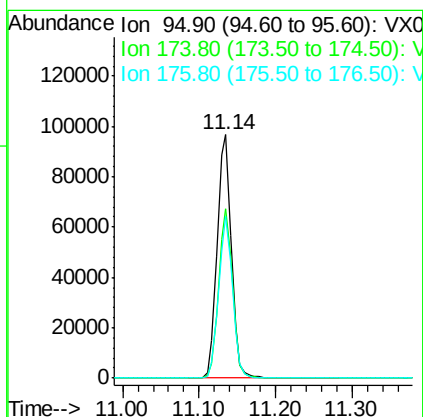
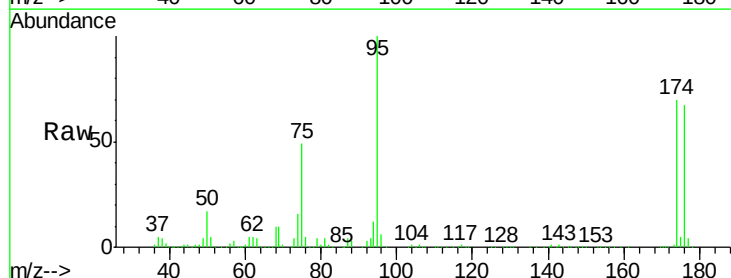
Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-20-20.5-21.0

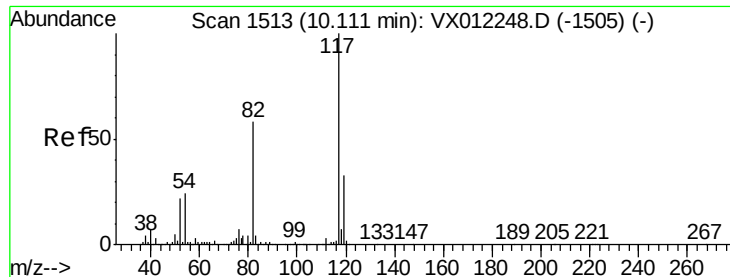
Tot Ion: 98 Resp: 325235  
Ion Ratio Lower Upper  
98 100  
100 66.8 54.1 81.1



#62  
4-Bromofluorobenzene  
Concen: 43.575 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX012364.D  
Acq: 12 Sep 2019 23:03

Tgt Ion: 95 Resp: 124340  
Ion Ratio Lower Upper  
95 100  
174 68.3 0.0 127.0  
176 65.1 0.0 125.8

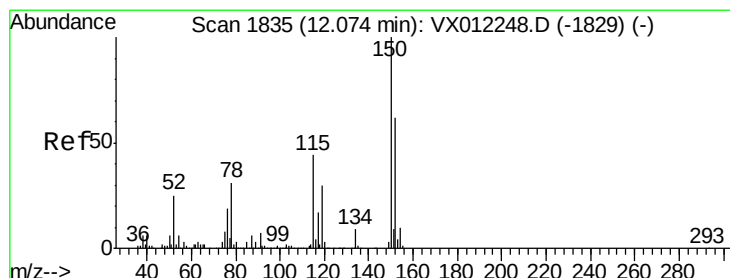
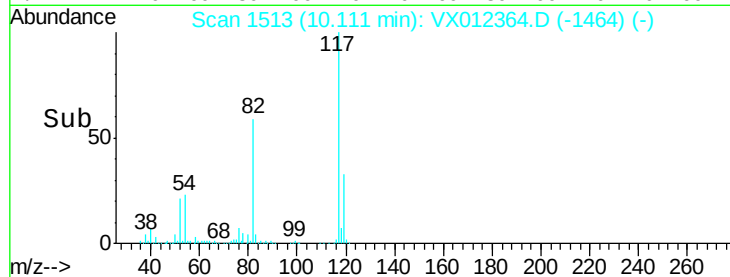
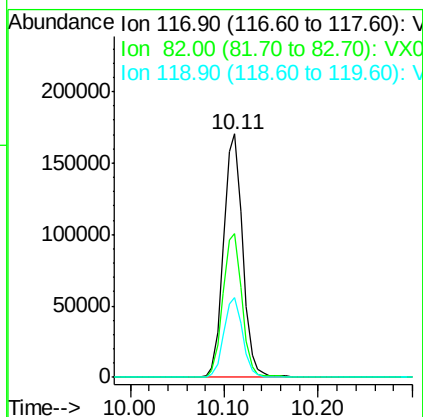
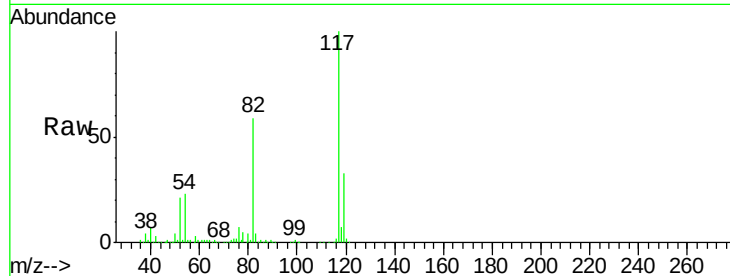




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX012364.D  
Acq: 12 Sep 2019 23:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-20-20.5-21.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.1  | 46.4  | 69.6  |
| 119     | 32.8  | 26.6  | 39.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX012364.D  
Acq: 12 Sep 2019 23:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 65.3  | 45.5  | 136.4 |
| 150     | 159.0 | 0.0   | 346.4 |

