

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\  
 Data File : VD062392.D  
 Acq On : 15 May 2019 17:06  
 Operator : FY/SY  
 Sample : K2807-04  
 Misc : 6.31g/5mL/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-GF-02-039-B

Quant Time: May 16 04:32:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 14:26:29 2019  
 Response via : Initial Calibration

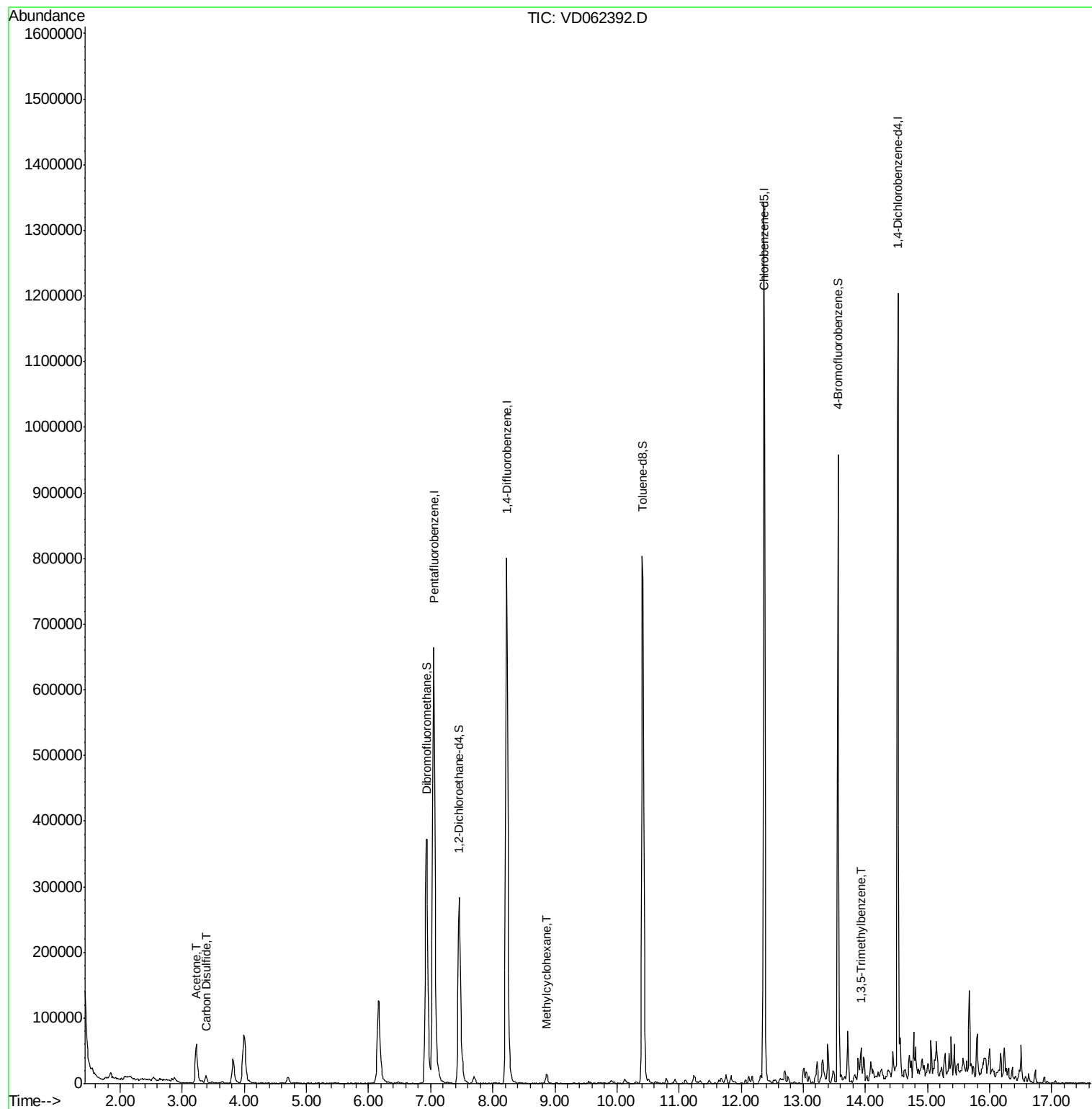
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 654008   | 50.00  | ug/l    | 0.03     |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 898227   | 50.00  | ug/l    | 0.03     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 720319   | 50.00  | ug/l    | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 278121   | 50.00  | ug/l    | 0.01     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 310412   | 51.07  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.14% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 347359   | 46.61  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.22%  |          |
| 50) Toluene-d8              | 10.41 | 98   | 656274   | 36.52  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.04%  |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 260665   | 36.12  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 72.24%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.23  | 43   | 115050   | 90.265 | ug/l #  | 84       |
| 17) Carbon Disulfide        | 3.38  | 76   | 21248    | 1.481  | ug/l    | 97       |
| 39) Methylcyclohexane       | 8.87  | 83   | 7754     | 1.099  | ug/l #  | 84       |
| 80) 1,3,5-Trimethylbenzene  | 13.93 | 105  | 17108    | 1.219  | ug/l    | 92       |

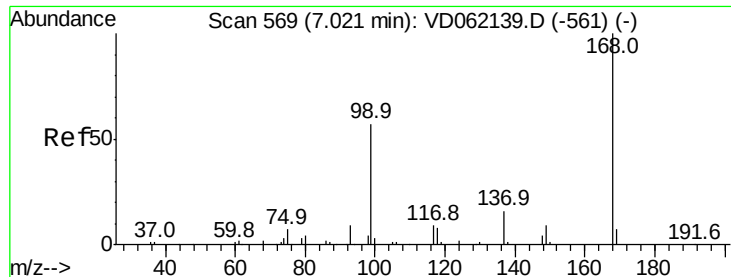
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051519\  
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FK-GF-02-039-B

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Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062392.D

Acq: 15 May 2019 17:06

Instrument :

MSVOA\_D

ClientSampleId :

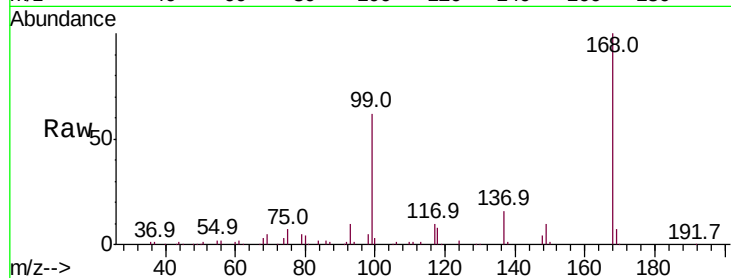
FK-GF-02-039-B

Tot Ion:168 Resp: 654008

Ion Ratio Lower Upper

168 100

99 62.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

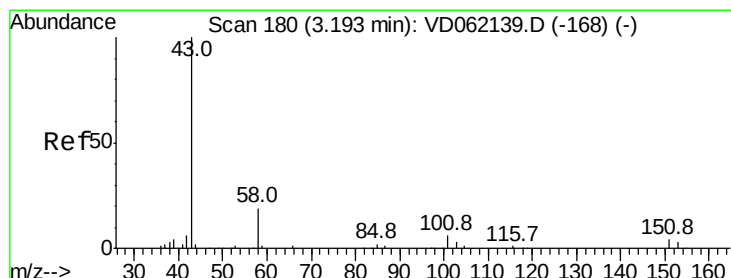
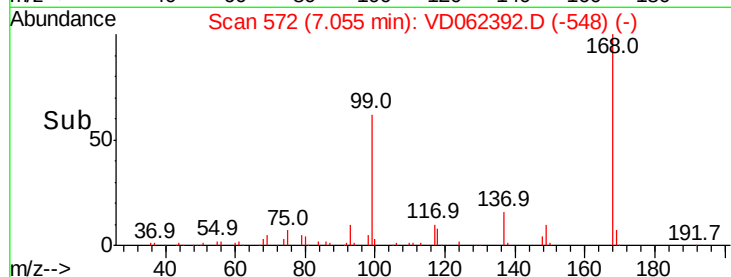
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 90.265 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062392.D

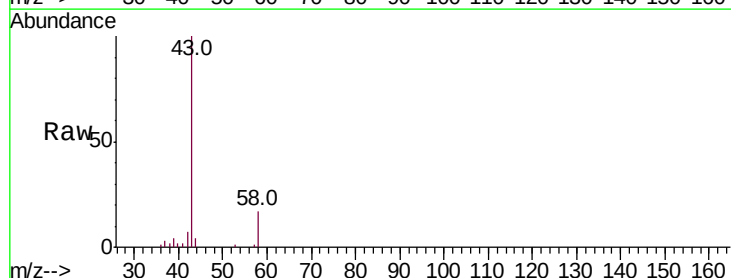
Acq: 15 May 2019 17:06

Tgt Ion: 43 Resp: 115050

Ion Ratio Lower Upper

43 100

58 17.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

50000

40000

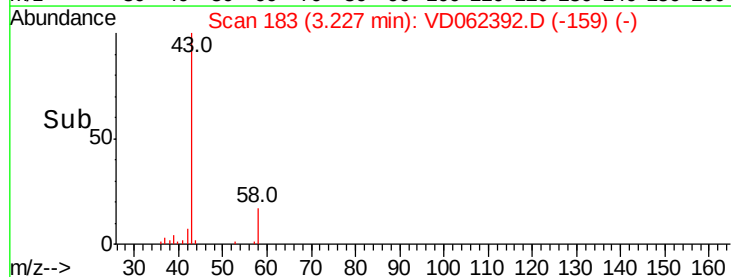
30000

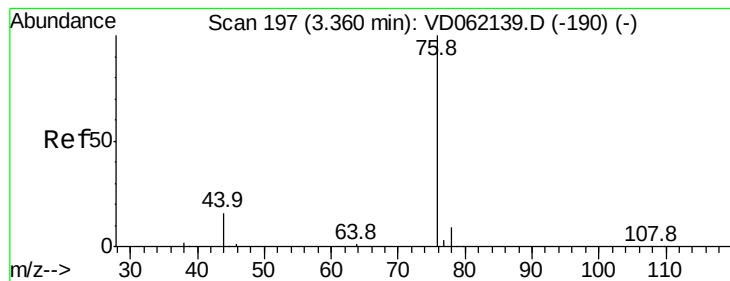
20000

10000

0

Time--> 3.10 3.20 3.30 3.40





#17

Carbon Disulfide

Concen: 1.481 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062392.D

Acq: 15 May 2019 17:06

Instrument :

MSVOA\_D

ClientSampleId :

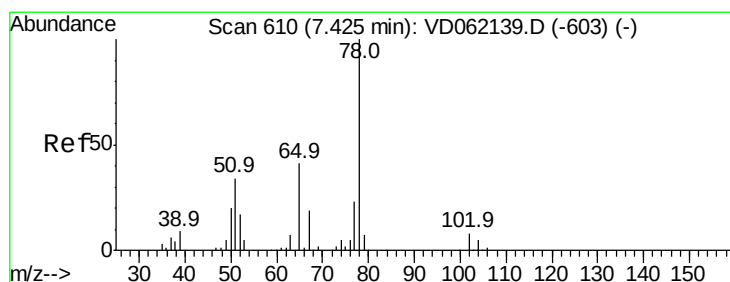
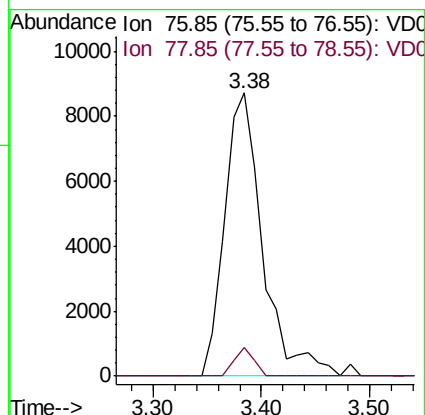
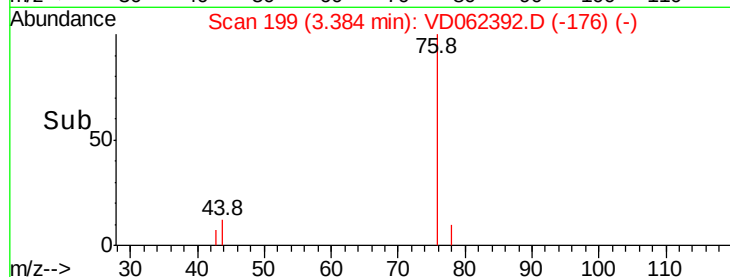
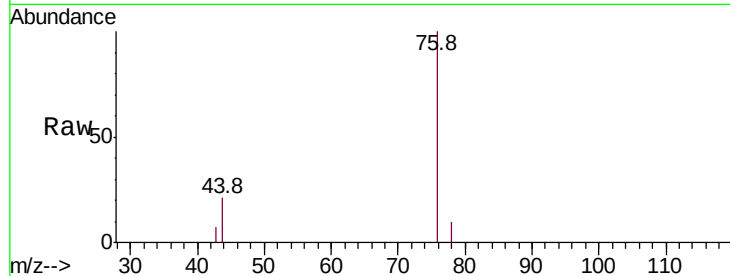
FK-GF-02-039-B

Tot Ion: 76 Resp: 21248

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



#33

1,2-Dichloroethane-d4

Concen: 51.073 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062392.D

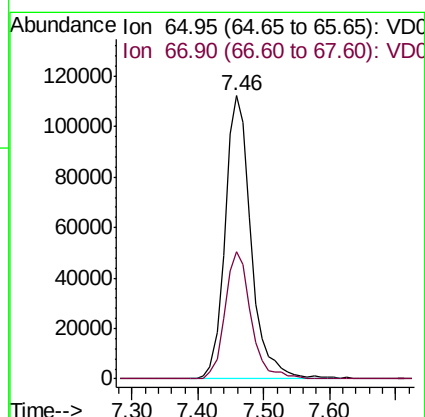
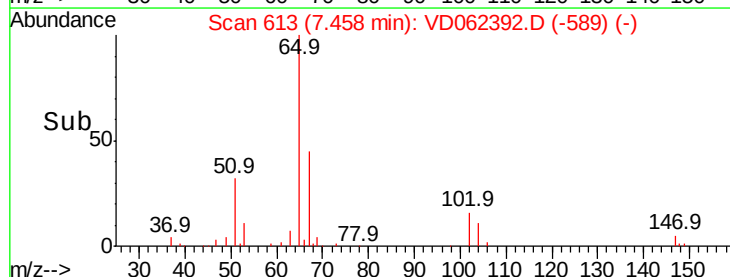
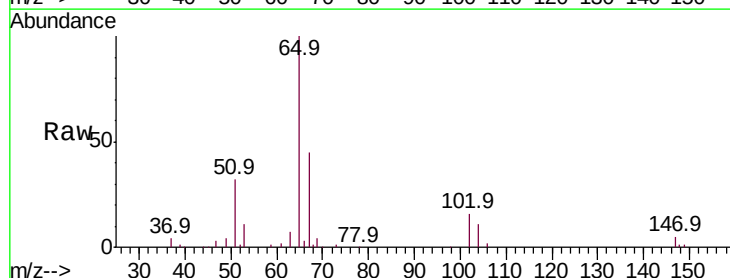
Acq: 15 May 2019 17:06

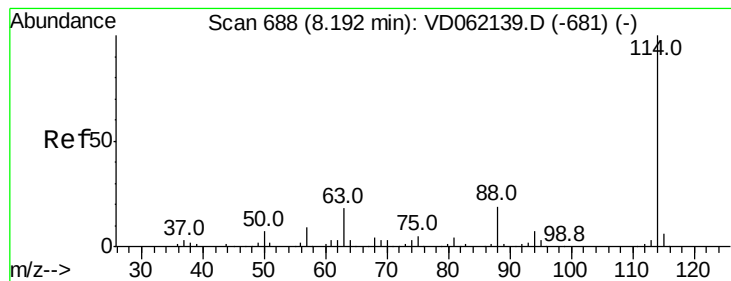
Tgt Ion: 65 Resp: 310412

Ion Ratio Lower Upper

65 100

67 45.0 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062392.D

Acq: 15 May 2019 17:06

Instrument :

MSVOA\_D

ClientSampleId :

FK-GF-02-039-B

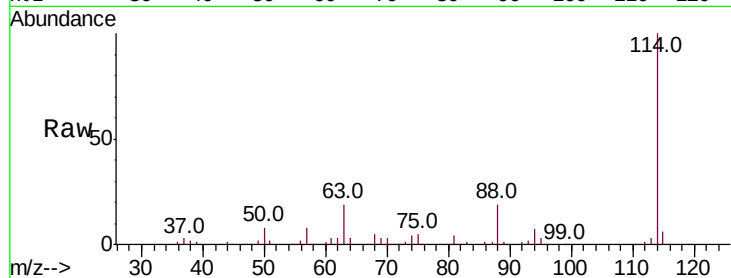
Tot Ion:114 Resp: 898227

Ion Ratio Lower Upper

114 100

63 18.8 0.0 32.4

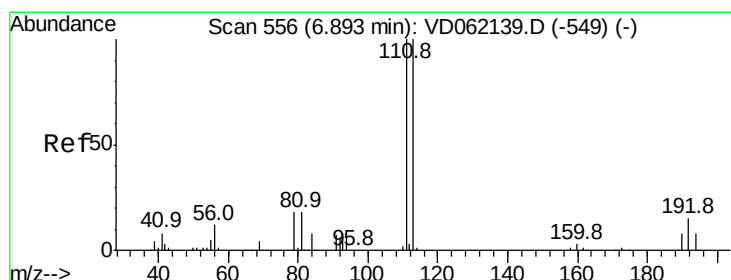
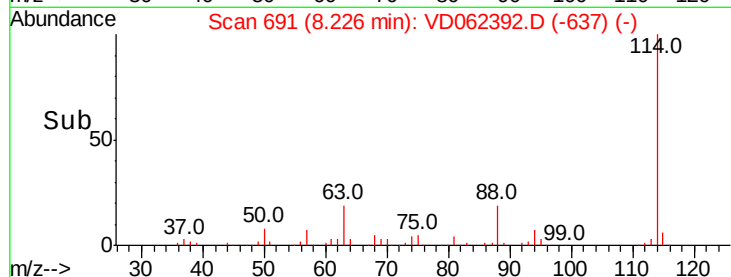
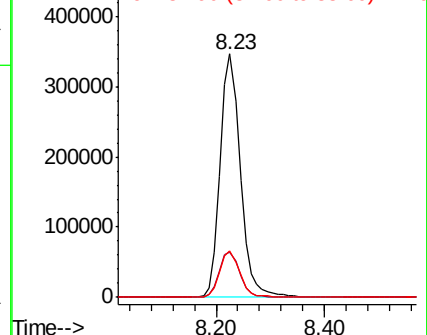
88 18.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.609 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062392.D

Acq: 15 May 2019 17:06

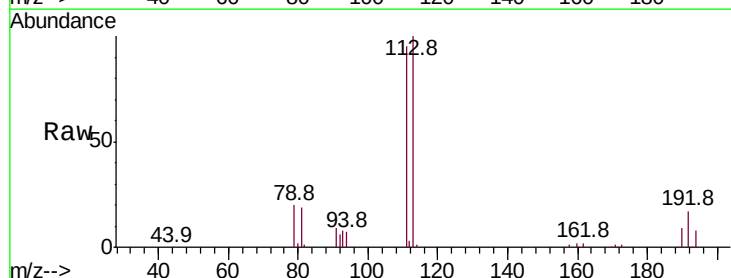
Tgt Ion:113 Resp: 347359

Ion Ratio Lower Upper

113 100

111 95.2 78.5 117.7

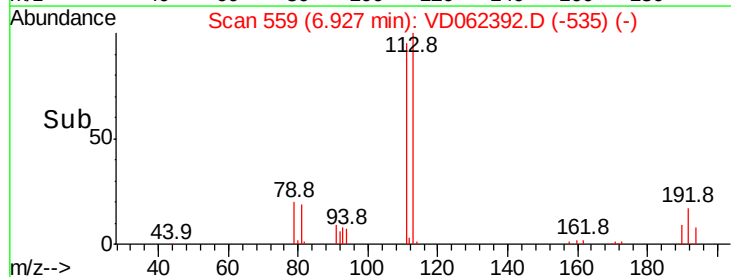
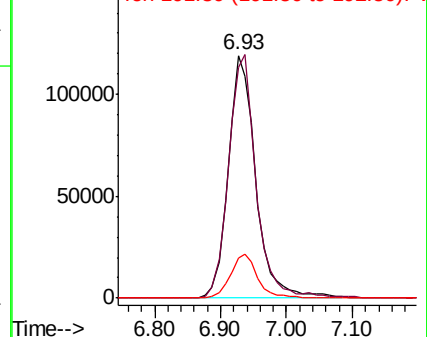
192 16.7 13.0 19.4

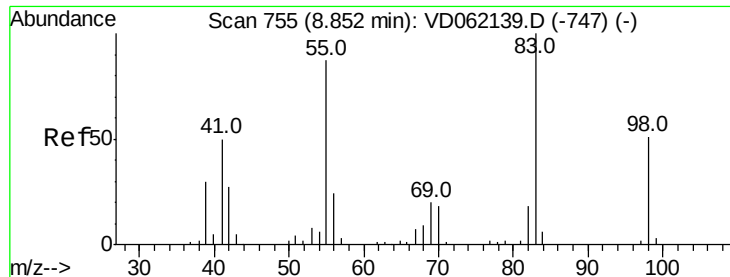


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

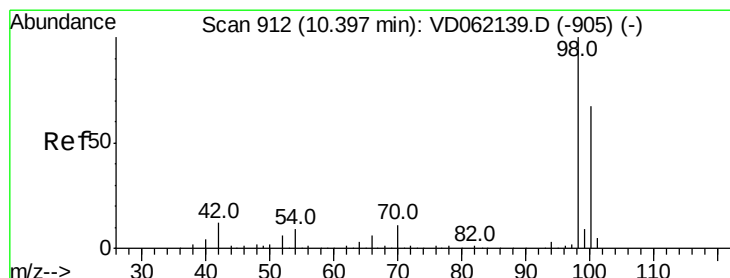
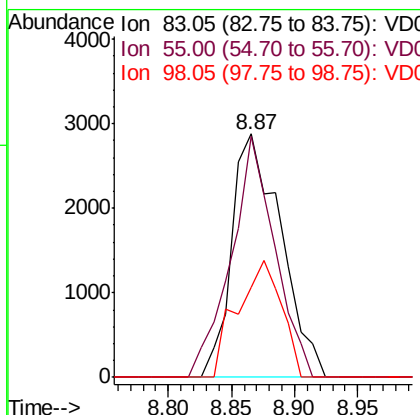
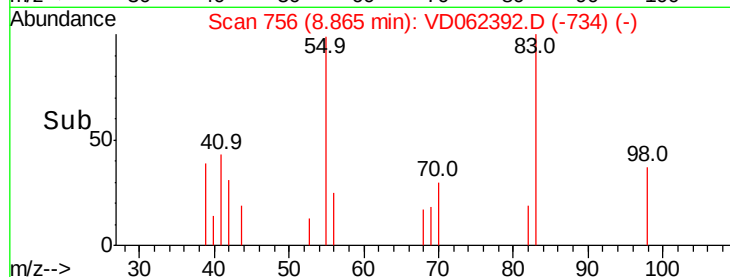
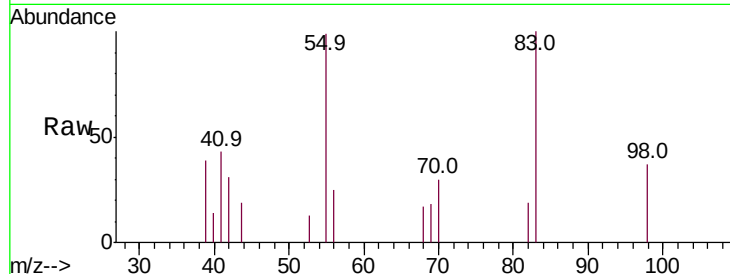




#39  
Methylcyclohexane  
Concen: 1.099 ug/l  
RT: 8.87 min Scan# 756  
Delta R.T. 0.01 min  
Lab File: VD062392.D  
Acq: 15 May 2019 17:06

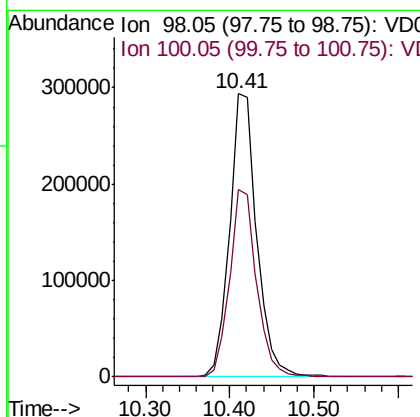
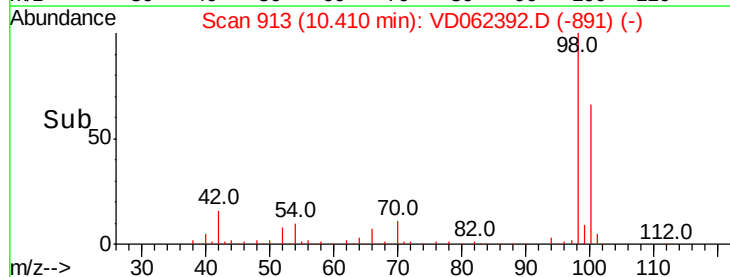
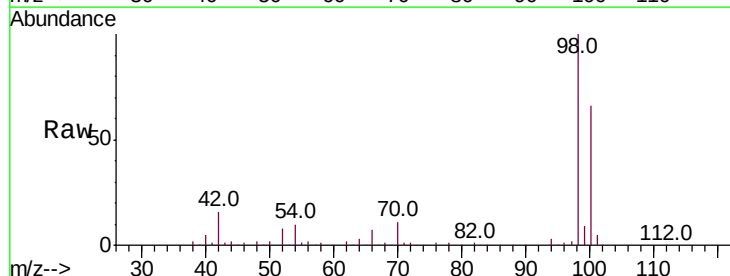
Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-039-B

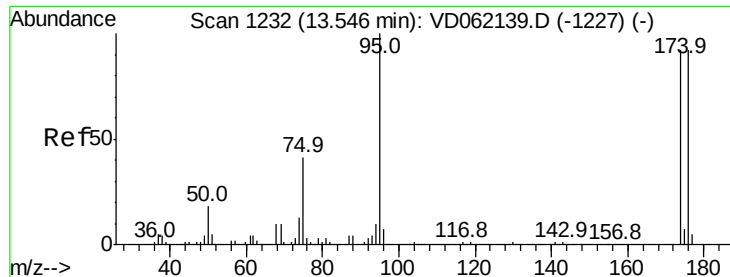
Tot Ion: 83 Resp: 7754  
Ion Ratio Lower Upper  
83 100  
55 99.2 68.2 102.4  
98 36.8 38.2 57.4#



#50  
Toluene-d8  
Concen: 36.523 ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VD062392.D  
Acq: 15 May 2019 17:06

Tgt Ion: 98 Resp: 656274  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.8 80.8





#62

4-Bromofluorobenzene

Concen: 36.125 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062392.D

Acq: 15 May 2019 17:06

Instrument :

MSVOA\_D

ClientSampleId :

FK-GF-02-039-B

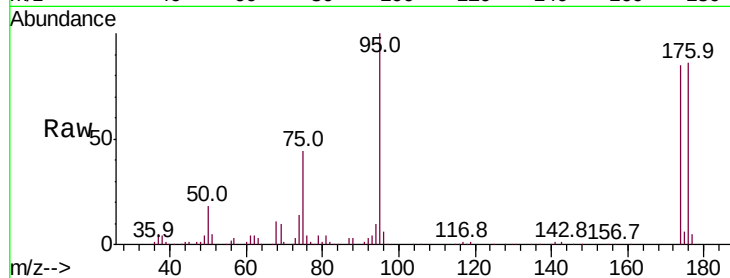
Tot Ion: 95 Resp: 260665

Ion Ratio Lower Upper

95 100

174 85.1 0.0 181.8

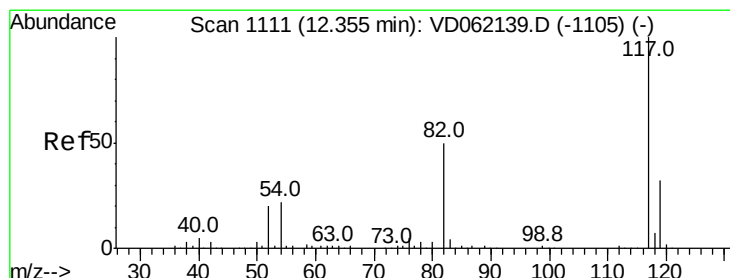
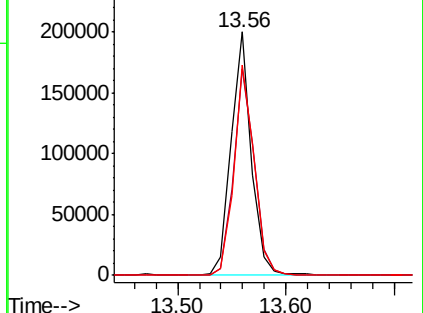
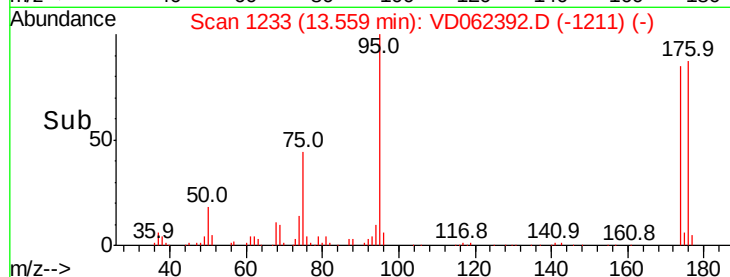
176 86.3 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062392.D

Acq: 15 May 2019 17:06

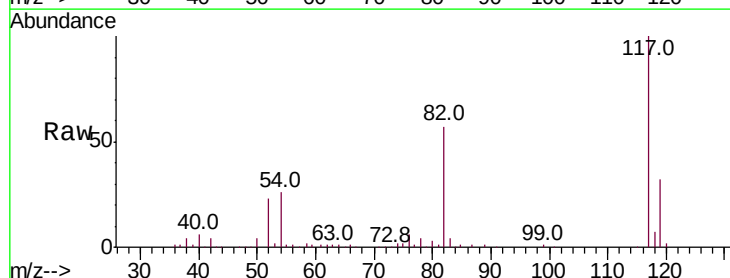
Tgt Ion: 117 Resp: 720319

Ion Ratio Lower Upper

117 100

82 57.0 36.2 54.2#

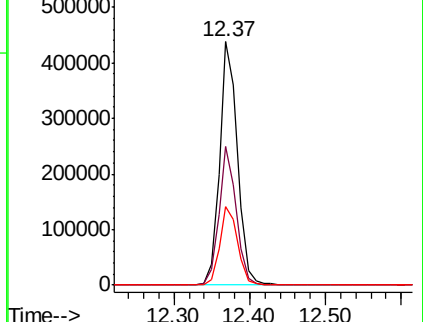
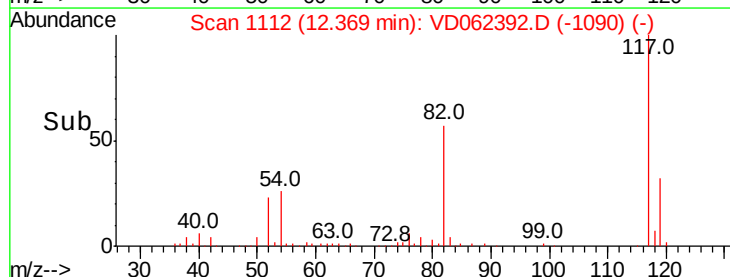
119 32.2 26.2 39.4

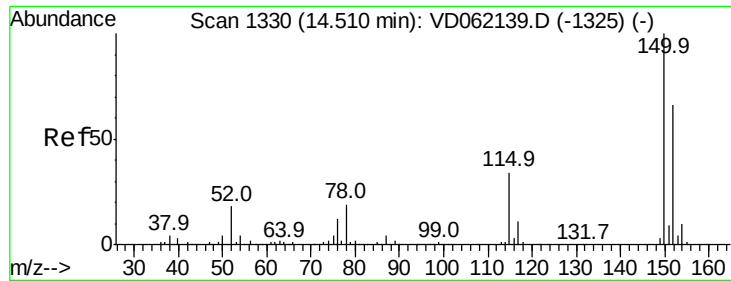


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

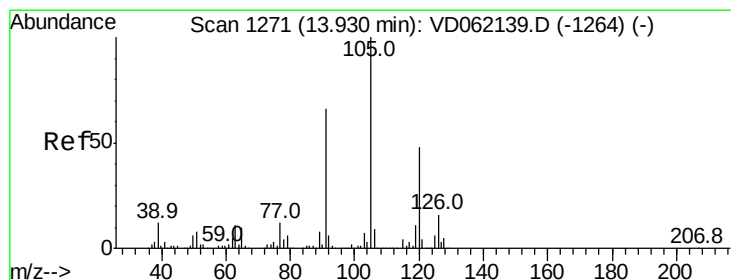
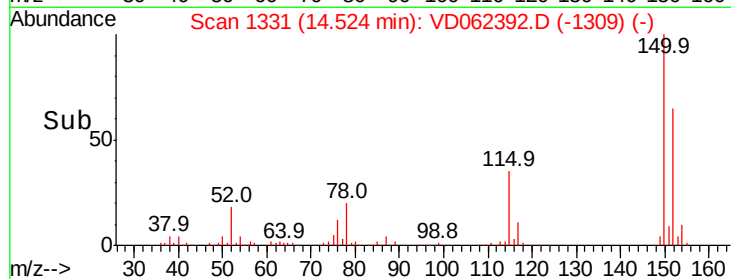
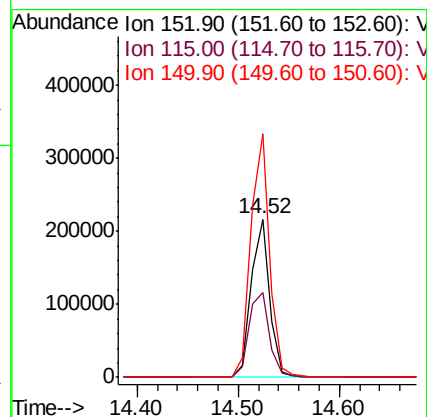
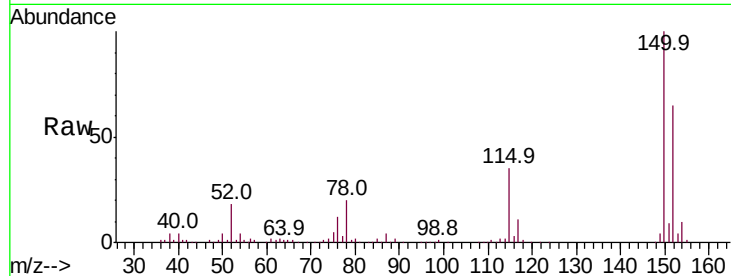




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1331  
 Delta R.T. 0.01 min  
 Lab File: VD062392.D  
 Acq: 15 May 2019 17:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-GF-02-039-B

Tot Ion:152 Resp: 278121  
 Ion Ratio Lower Upper  
 152 100  
 115 54.0 30.9 92.7  
 150 154.2 0.0 314.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.219 ug/l  
 RT: 13.93 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VD062392.D  
 Acq: 15 May 2019 17:06

Tgt Ion:105 Resp: 17108  
 Ion Ratio Lower Upper  
 105 100  
 120 42.4 24.0 72.0

