

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\  
 Data File : VD063616.D  
 Acq On : 15 Aug 2019 20:06  
 Operator : JC/SY  
 Sample : K4356-13  
 Misc : 3.67g/5ml/MSVOA D/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-7

Quant Time: Aug 16 01:22:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.03  | 168  | 514450   | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 8.20  | 114  | 618537   | 50.00 | ug/l  | -0.03    |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 296717   | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 54901    | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 264827   | 48.16 | ug/l    | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.32%  |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 274973   | 52.78 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.56% |          |
| 50) Toluene-d8              | 10.40 | 98   | 391717   | 34.20 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 68.40%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 77529    | 14.94 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 29.88%  |          |

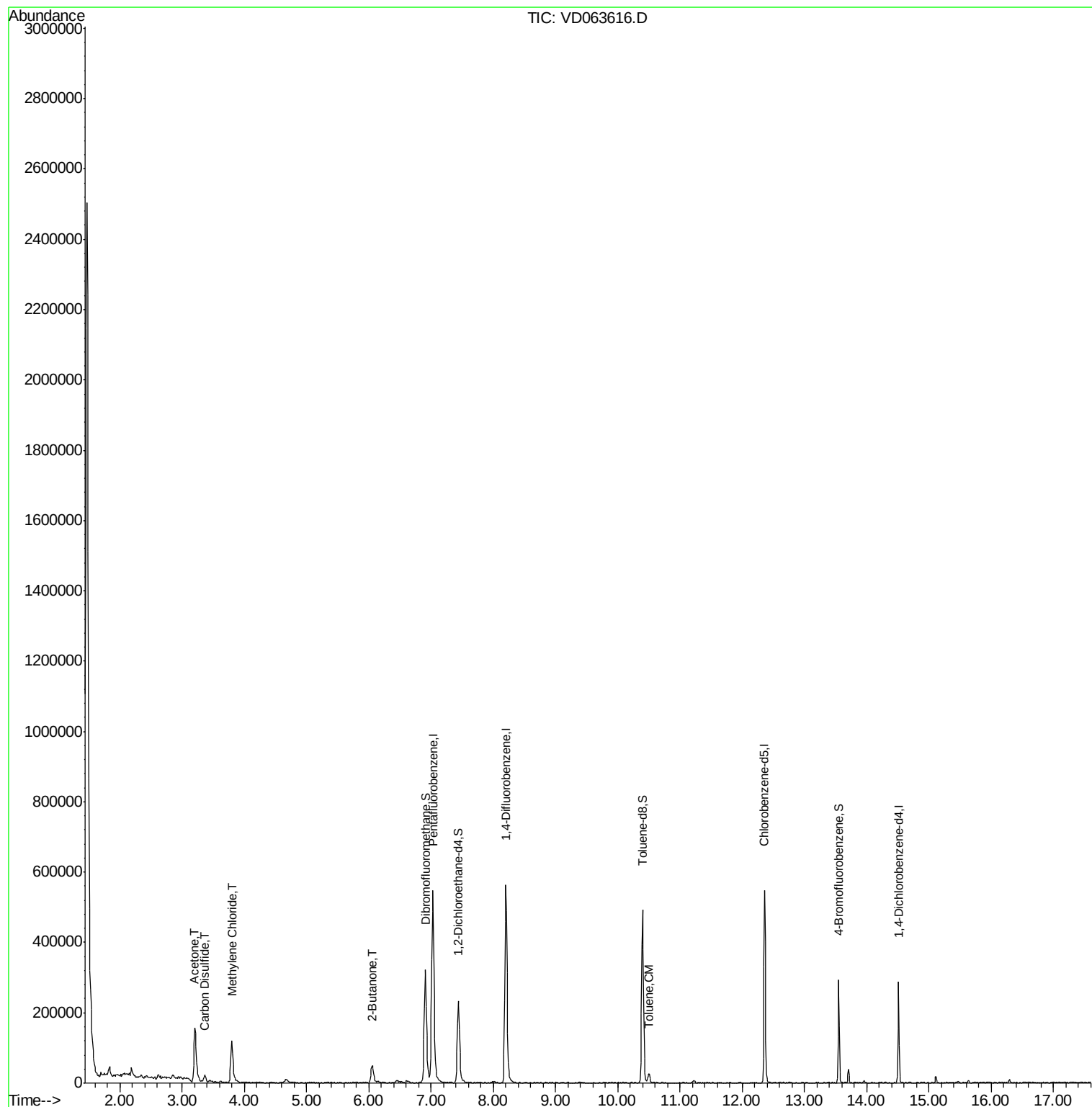
| Target Compounds       | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone            | 3.20  | 43   | 296567   | 265.300 | ug/l   | 94     |
| 17) Carbon Disulfide   | 3.36  | 76   | 31415    | 2.395   | ug/l # | 77     |
| 20) Methylene Chloride | 3.80  | 84   | 76611    | 15.849  | ug/l   | 96     |
| 25) 2-Butanone         | 6.06  | 43   | 105803   | 95.833  | ug/l   | 96     |
| 52) Toluene            | 10.51 | 92   | 13182    | 1.701   | ug/l   | 78     |

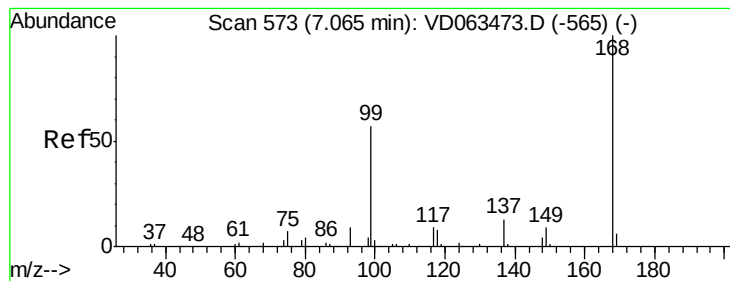
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081519\  
Data File : VD063616.D  
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Quant Time: Aug 16 01:22:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 10 06:42:47 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063616.D

Acq: 15 Aug 2019 20:06

Instrument :

MSVOA\_D

ClientSampleId :

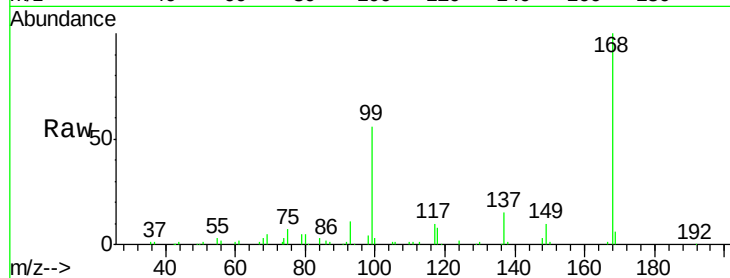
TP-7

Tot Ion:168 Resp: 514450

Ion Ratio Lower Upper

168 100

99 56.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

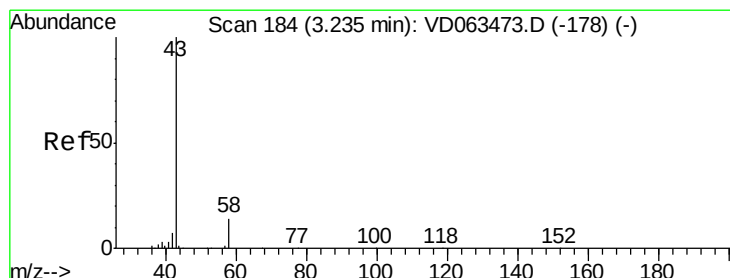
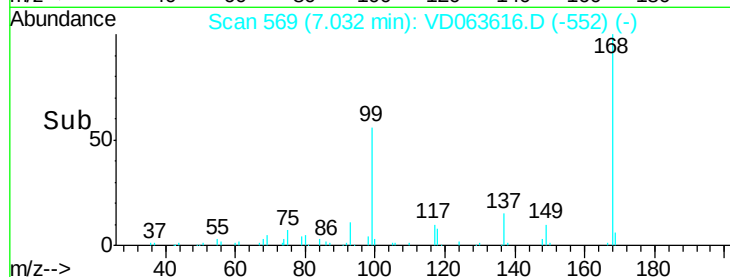
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 265.300 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD063616.D

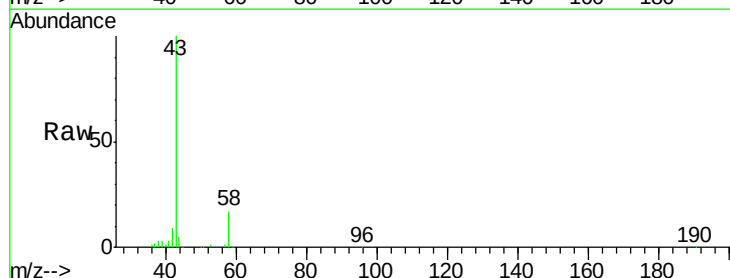
Acq: 15 Aug 2019 20:06

Tgt Ion: 43 Resp: 296567

Ion Ratio Lower Upper

43 100

58 16.9 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

120000

100000

80000

60000

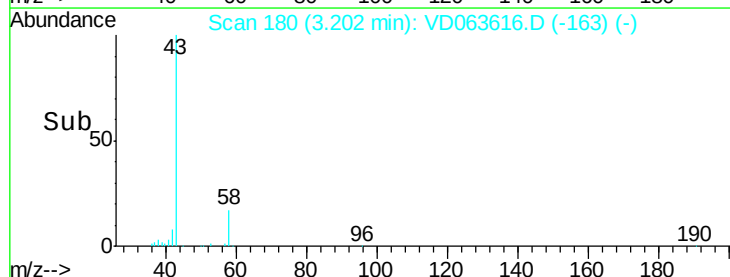
40000

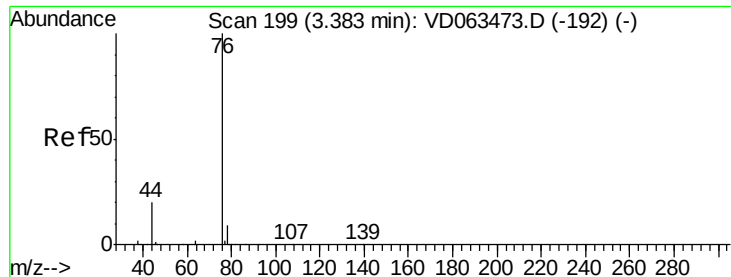
20000

0

3.10 3.20 3.30 3.40

Time-->

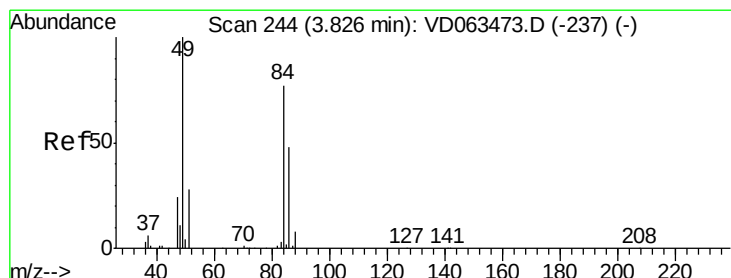
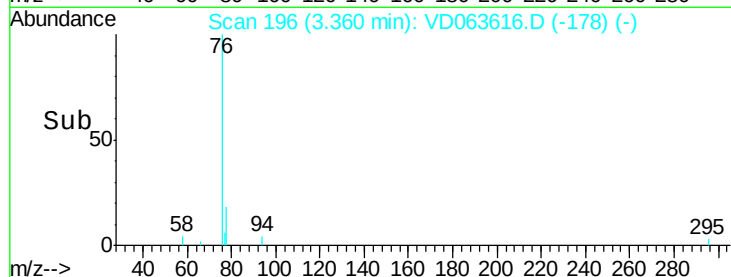
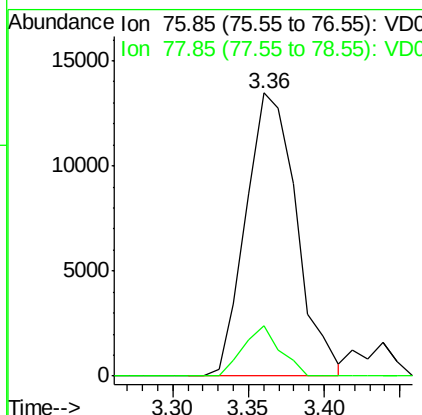
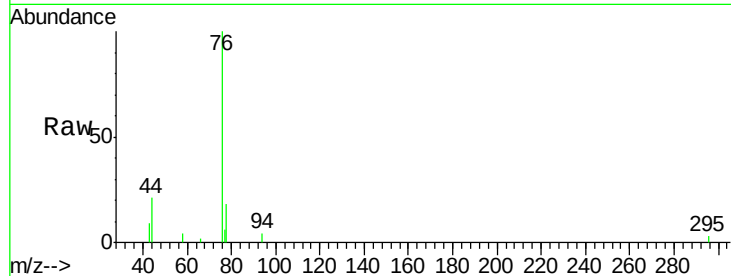




#17  
Carbon Disulfide  
Concen: 2.395 ug/l  
RT: 3.36 min Scan# 196  
Delta R.T. -0.02 min  
Lab File: VD063616.D  
Acq: 15 Aug 2019 20:06

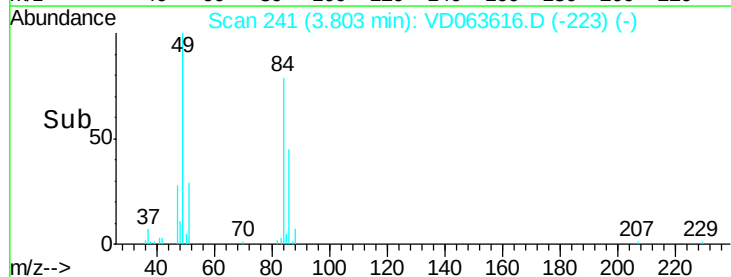
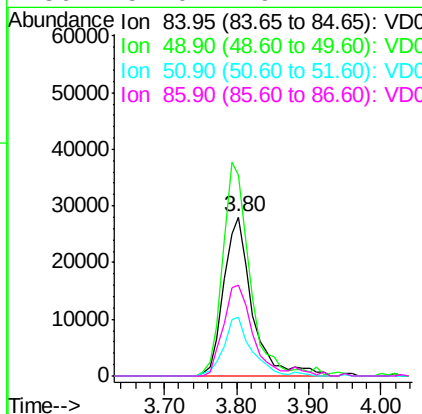
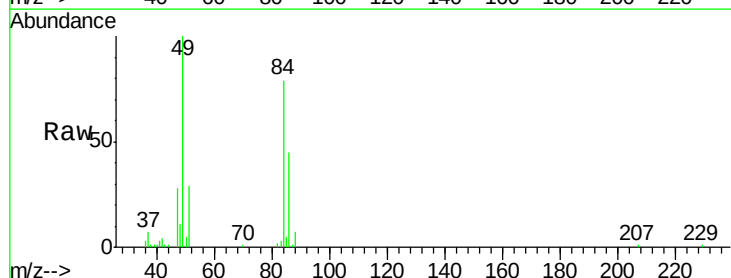
Instrument :  
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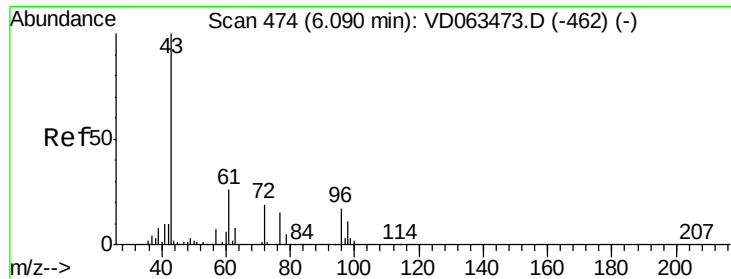
Tot Ion: 76 Resp: 31415  
Ion Ratio Lower Upper  
76 100  
78 17.6 7.4 11.0#



#20  
Methylene Chloride  
Concen: 15.849 ug/l  
RT: 3.80 min Scan# 241  
Delta R.T. -0.02 min  
Lab File: VD063616.D  
Acq: 15 Aug 2019 20:06

Tgt Ion: 84 Resp: 76611  
Ion Ratio Lower Upper  
84 100  
49 126.1 103.4 155.2  
51 36.9 28.5 42.7  
86 57.0 49.4 74.2





#25

2-Butanone

Concen: 95.833 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD063616.D

Acq: 15 Aug 2019 20:06

Instrument :

MSVOA\_D

ClientSampleId :

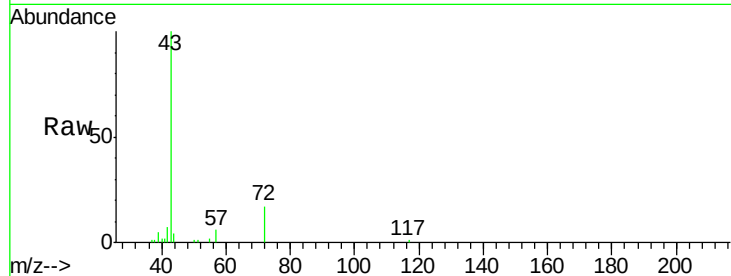
TP-7

Tot Ion: 43 Resp: 105803

Ion Ratio Lower Upper

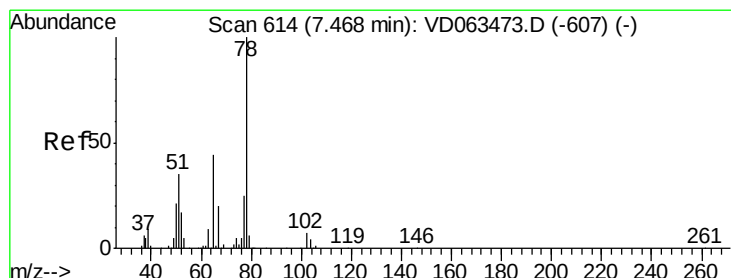
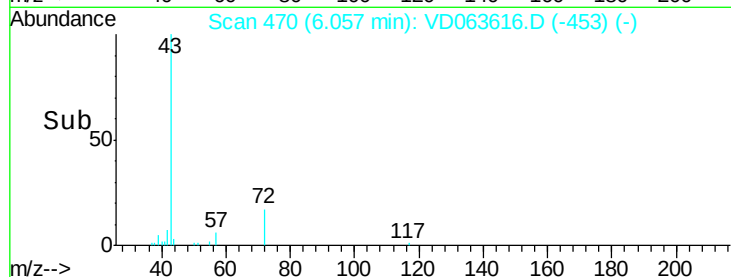
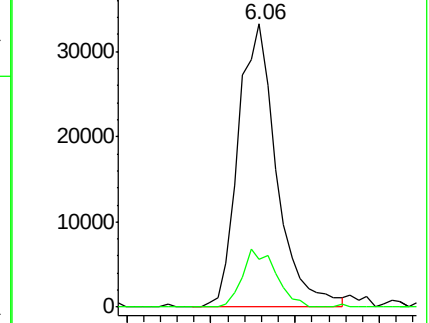
43 100

72 17.1 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 48.158 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD063616.D

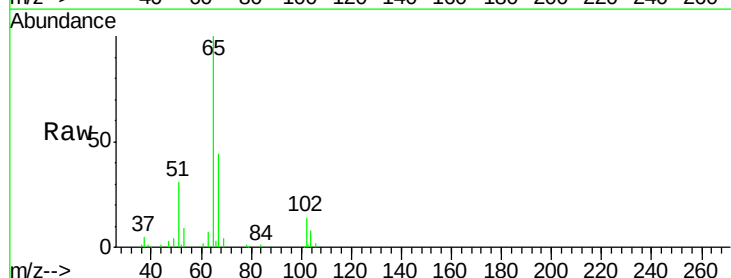
Acq: 15 Aug 2019 20:06

Tgt Ion: 65 Resp: 264827

Ion Ratio Lower Upper

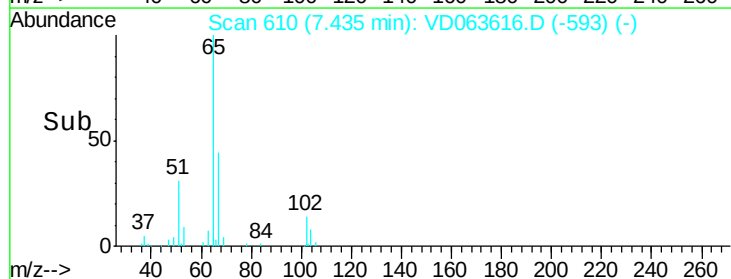
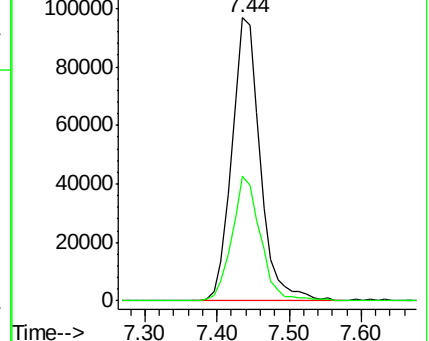
65 100

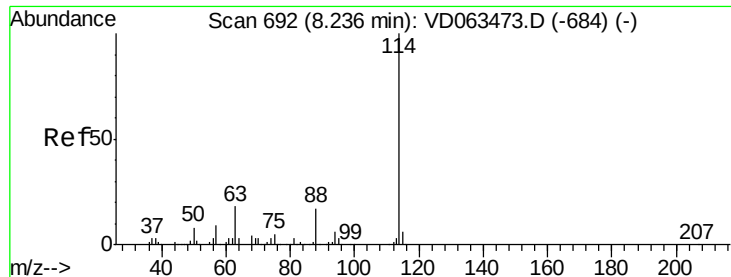
67 43.9 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD063616.D

Acq: 15 Aug 2019 20:06

Instrument :

MSVOA\_D

ClientSampleId :

TP-7

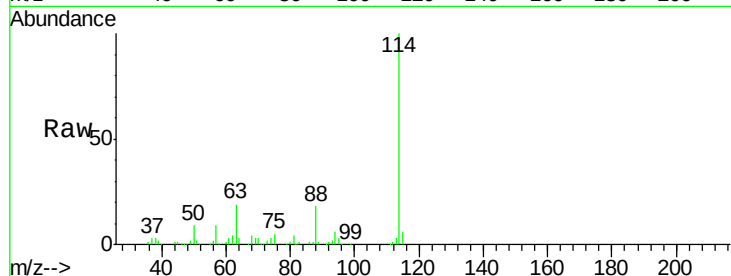
Tot Ion:114 Resp: 618537

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.2

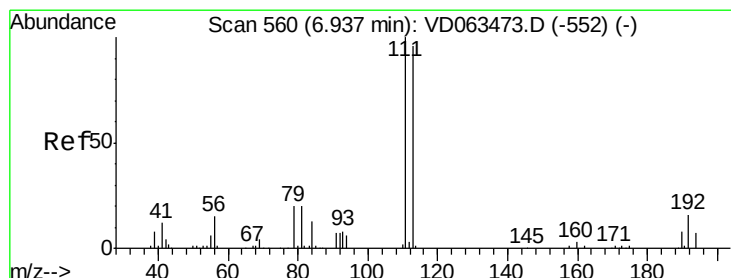
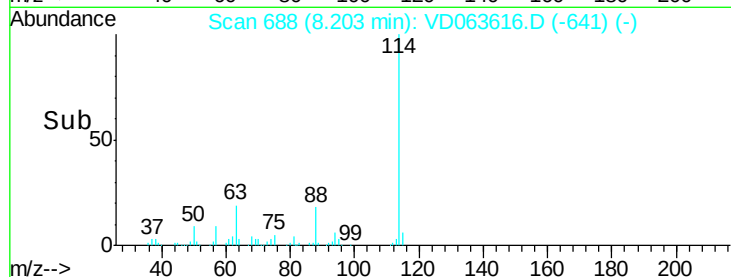
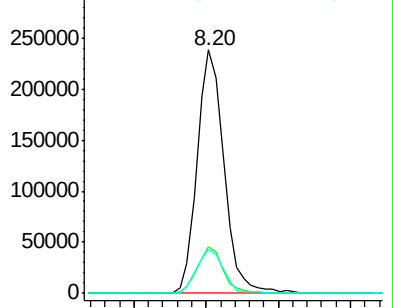
88 18.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 52.784 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063616.D

Acq: 15 Aug 2019 20:06

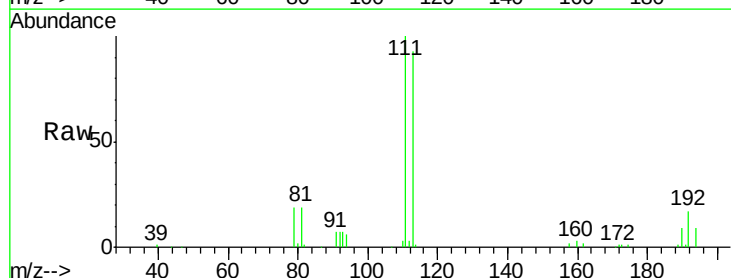
Tgt Ion:113 Resp: 274973

Ion Ratio Lower Upper

113 100

111 108.1 83.1 124.7

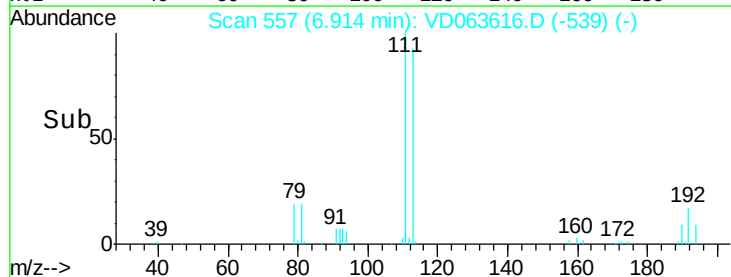
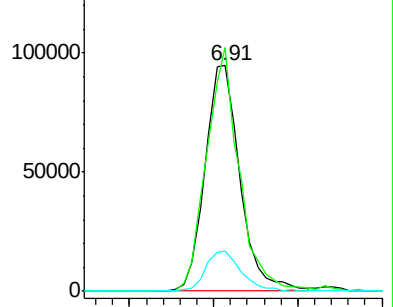
192 17.9 13.1 19.7

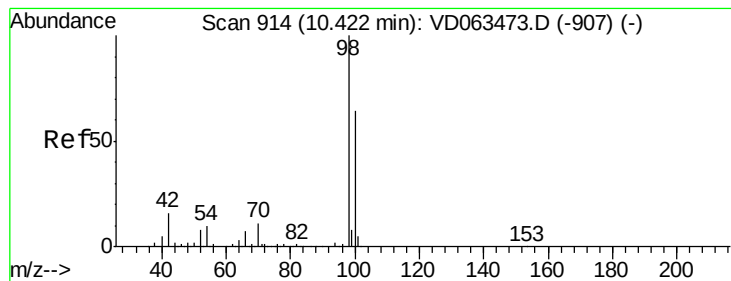


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 34.202 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD063616.D

Acq: 15 Aug 2019 20:06

Instrument :

MSVOA\_D

ClientSampleId :

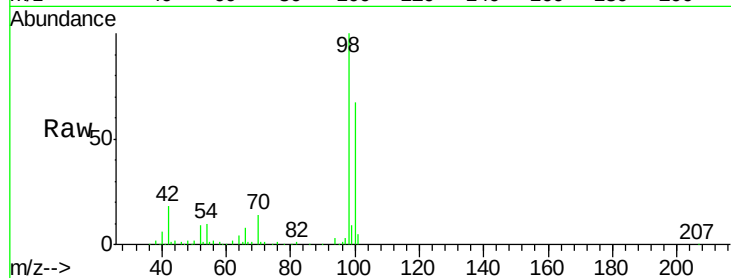
TP-7

Tot Ion: 98 Resp: 391717

Ion Ratio Lower Upper

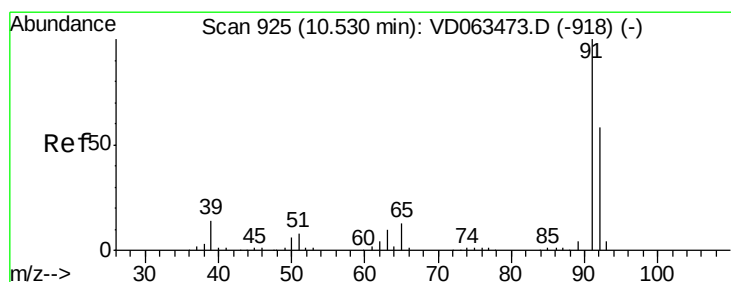
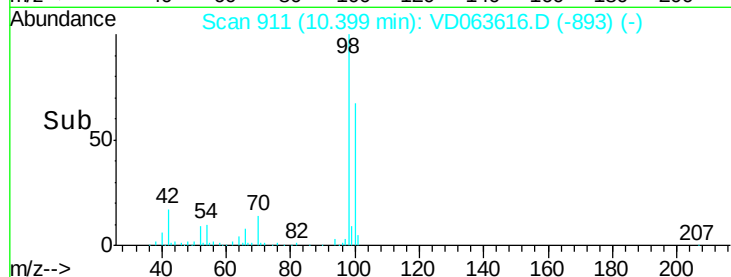
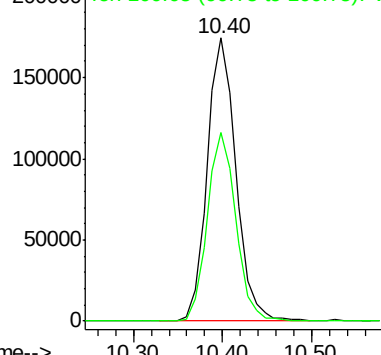
98 100

100 66.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.701 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD063616.D

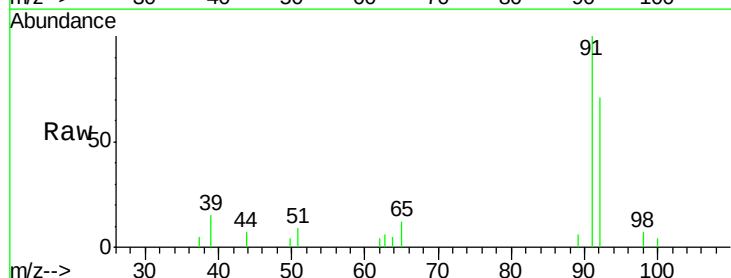
Acq: 15 Aug 2019 20:06

Tgt Ion: 92 Resp: 13182

Ion Ratio Lower Upper

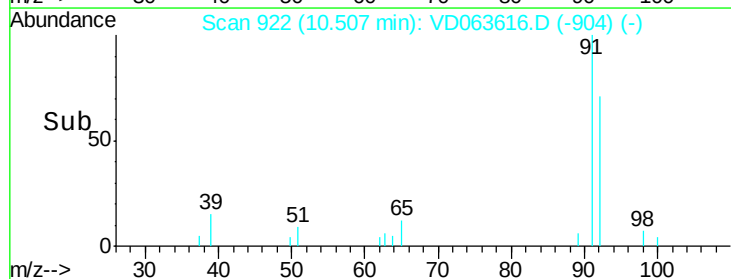
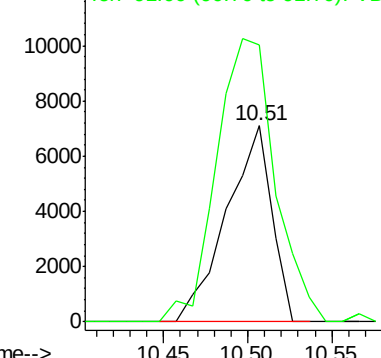
92 100

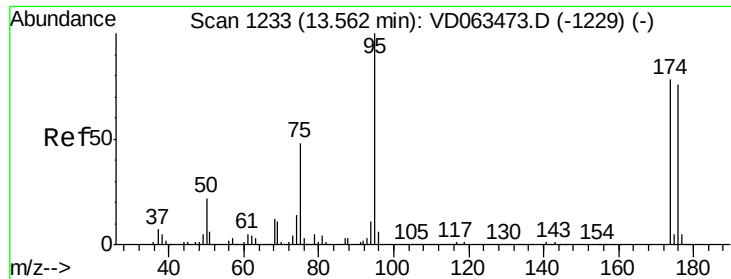
91 141.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

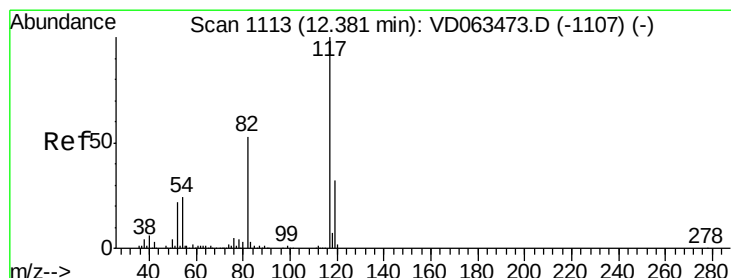
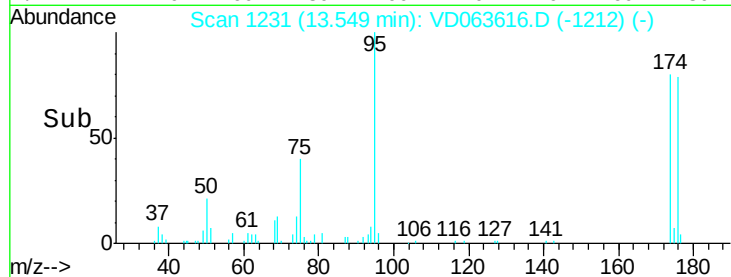
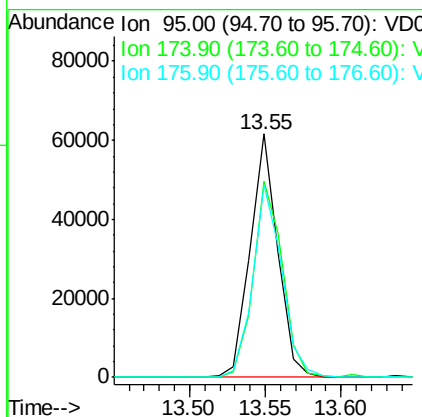
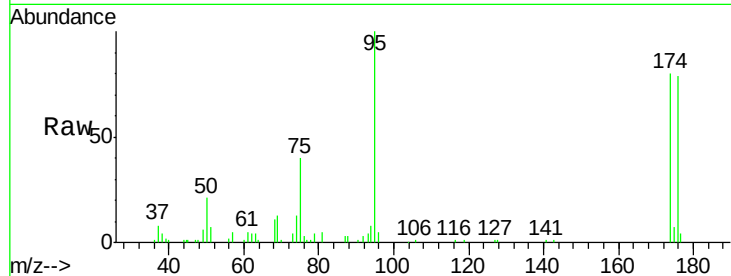




#62  
4-Bromofluorobenzene  
Concen: 14.935 ug/l  
RT: 13.55 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VD063616.D  
Acq: 15 Aug 2019 20:06

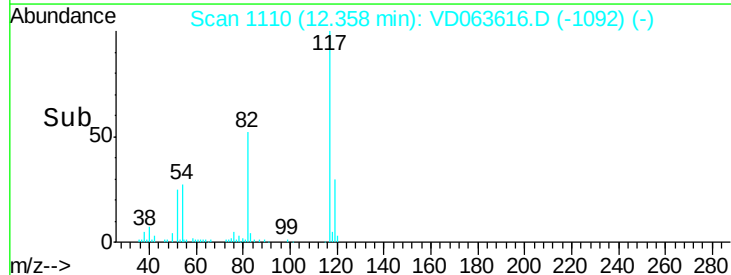
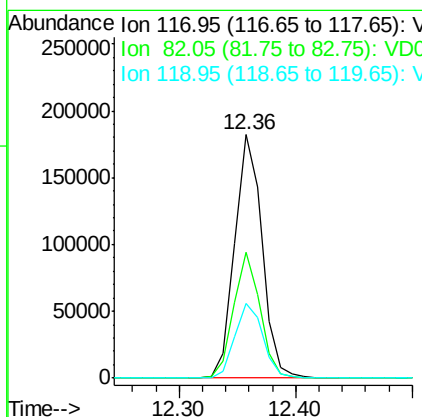
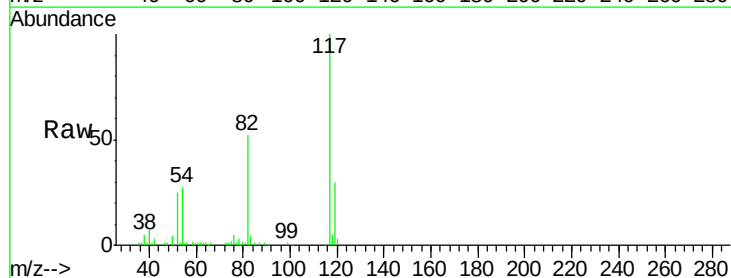
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-7

Tot Ion: 95 Resp: 77529  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 155.4  
176 79.1 0.0 152.4

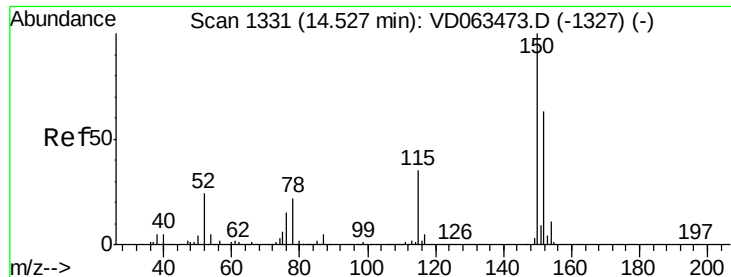


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1110  
Delta R.T. -0.02 min  
Lab File: VD063616.D  
Acq: 15 Aug 2019 20:06

Tgt Ion: 117 Resp: 296717  
Ion Ratio Lower Upper  
117 100  
82 51.8 42.0 63.0  
119 30.5 25.4 38.0







#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.51 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: VD063616.D  
 Acq: 15 Aug 2019 20:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tot Ion:152 Resp: 54901  
 Ion Ratio Lower Upper  
 152 100  
 115 72.8 30.9 92.7  
 150 182.0 0.0 318.6

