

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\  
 Data File : VD065323.D  
 Acq On : 26 Feb 2020 12:55  
 Operator : VA/SY  
 Sample : L1675-02  
 Misc : 7.47G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GRAB-FRONT-PARKING-LOT

Quant Time: Feb 27 08:17:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 543921   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 939892   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 828035   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 349298   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 286710   | 58.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.18% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 304706   | 53.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.34% |          |
| 50) Toluene-d8              | 10.34 | 98   | 1127503  | 51.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.92% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 324465   | 46.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.50%  |          |

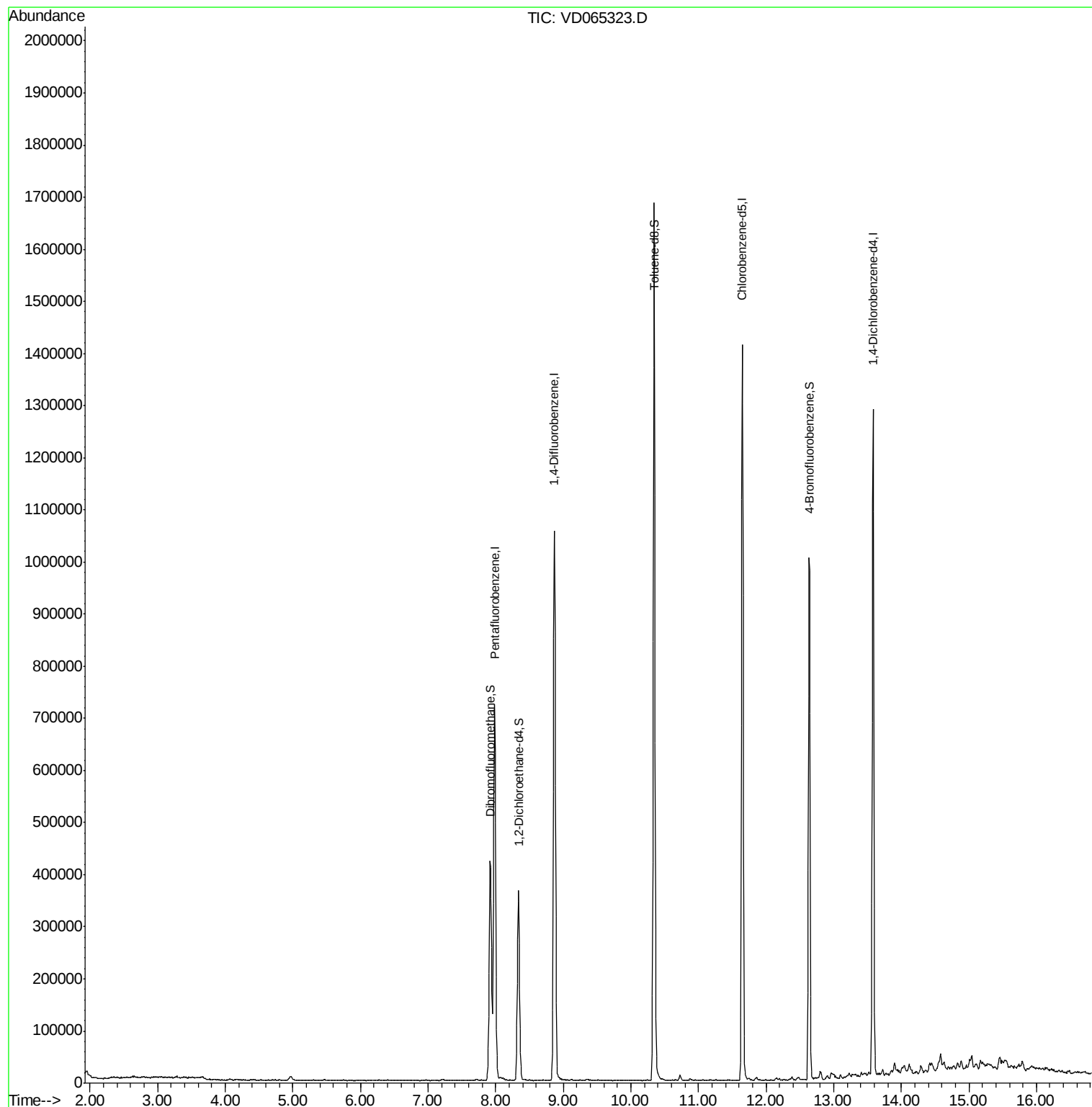
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

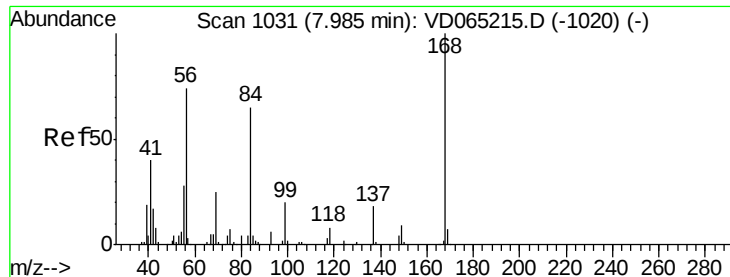
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GRAB-FRONT-PARKING-LOT

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:26:54 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065323.D

Acq: 26 Feb 2020 12:55

Instrument :

MSVOA\_D

ClientSampleId :

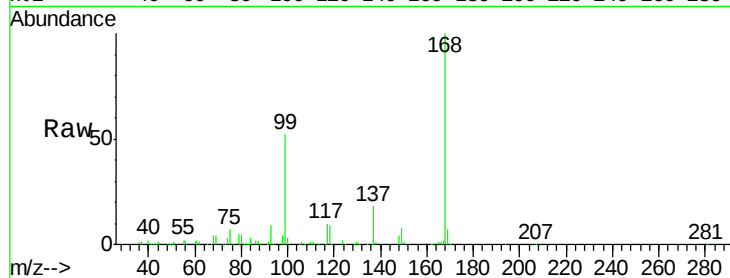
GRAB-FRONT-PARKING-LOT

Tot Ion:168 Resp: 543921

Ion Ratio Lower Upper

168 100

99 52.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

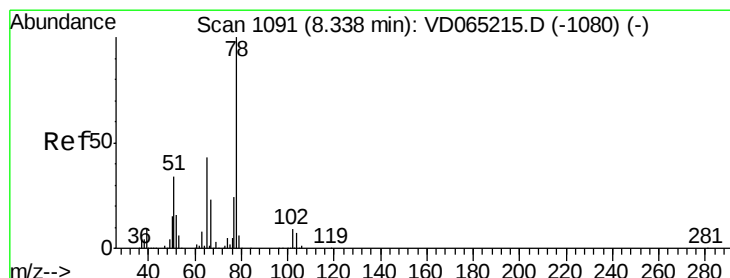
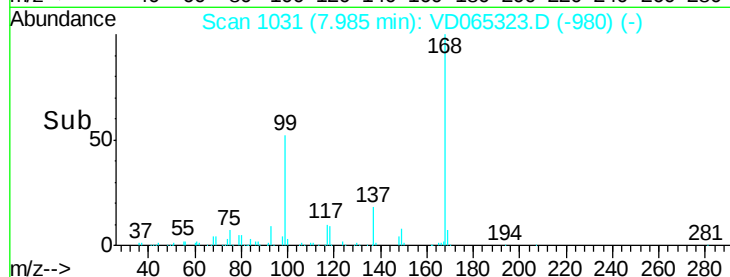
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.594 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065323.D

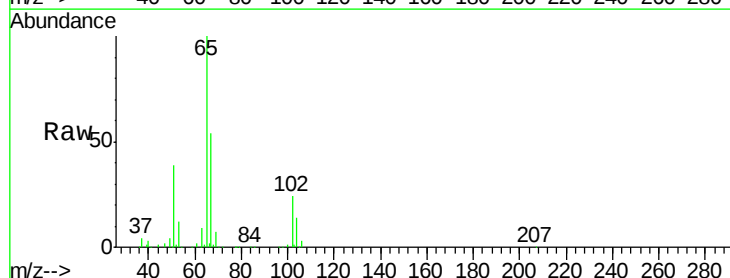
Acq: 26 Feb 2020 12:55

Tgt Ion: 65 Resp: 286710

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

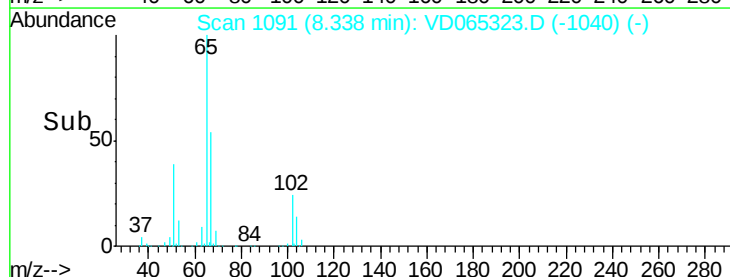
150000

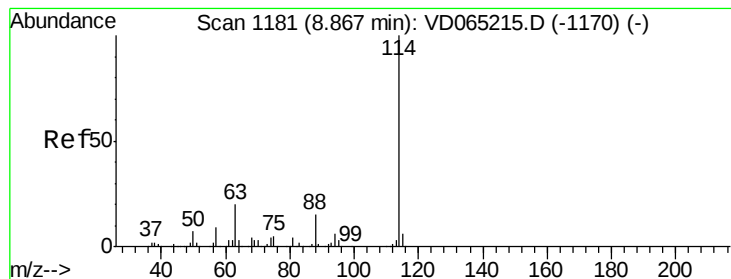
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065323.D

Acq: 26 Feb 2020 12:55

Instrument :

MSVOA\_D

ClientSampleId :

GRAB-FRONT-PARKING-LOT

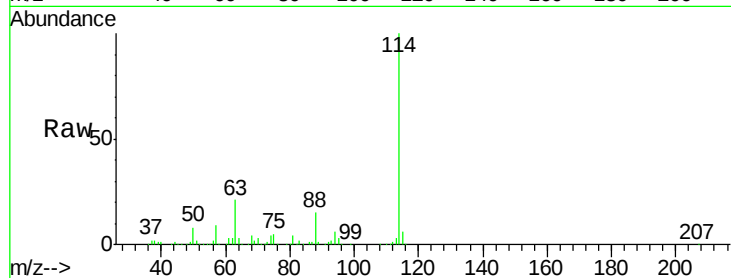
Tot Ion:114 Resp: 939892

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

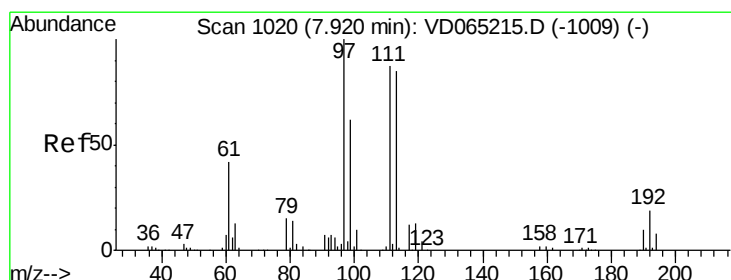
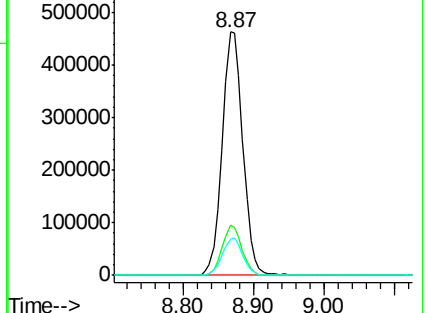
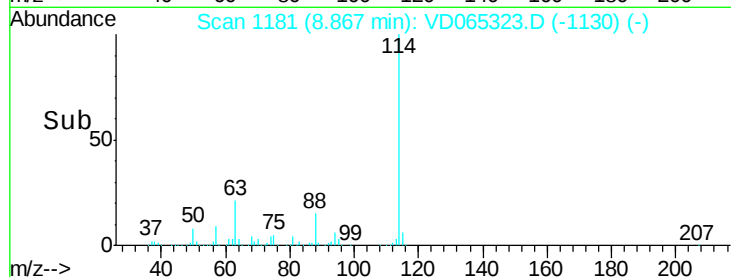
88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 53.169 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065323.D

Acq: 26 Feb 2020 12:55

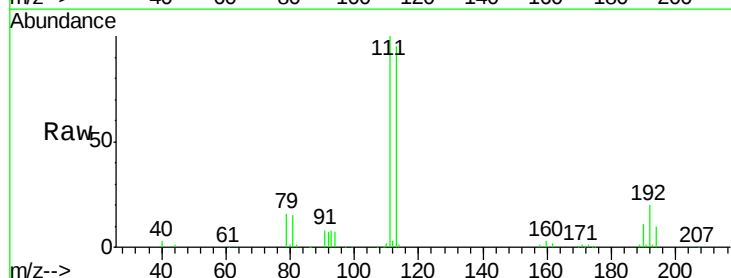
Tgt Ion:113 Resp: 304706

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

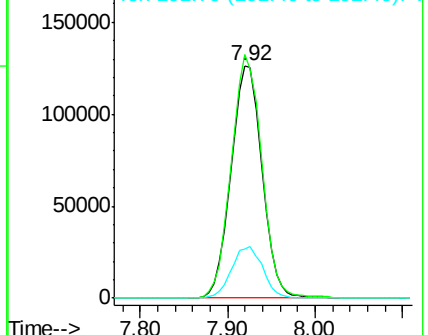
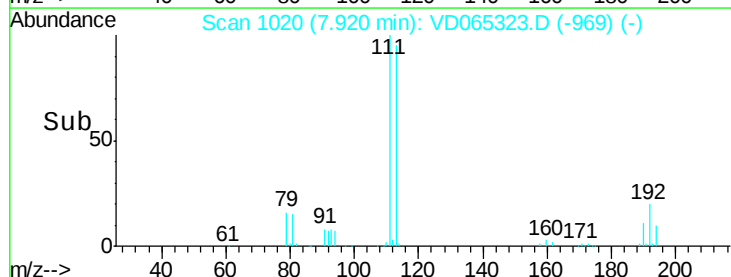
192 22.1 17.3 25.9



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: 51.464 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065323.D

Acq: 26 Feb 2020 12:55

Instrument :

MSVOA\_D

ClientSampleId :

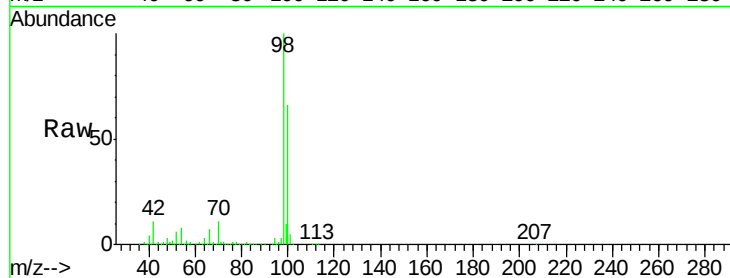
GRAB-FRONT-PARKING-LOT

Tot Ion: 98 Resp: 1127503

Ion Ratio Lower Upper

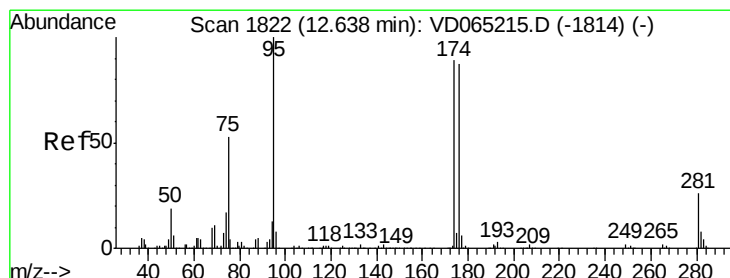
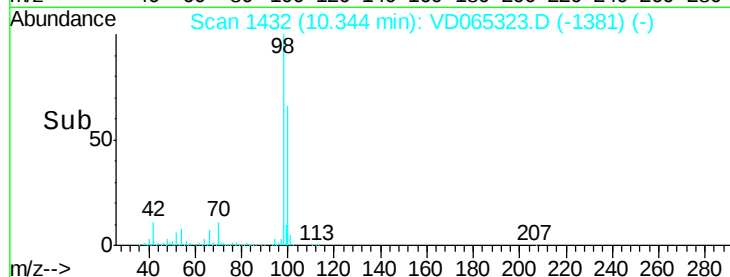
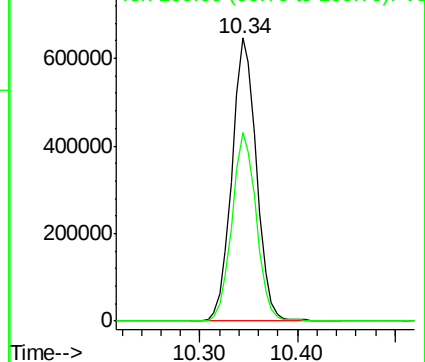
98 100

100 66.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.750 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065323.D

Acq: 26 Feb 2020 12:55

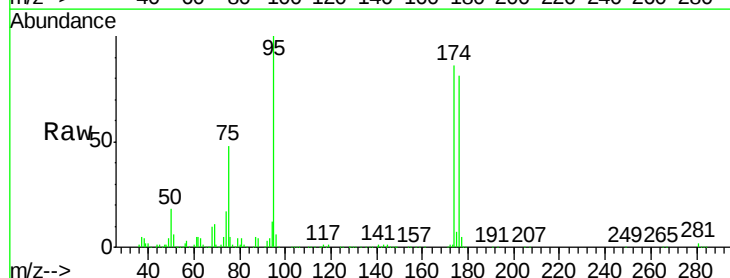
Tgt Ion: 95 Resp: 324465

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.0

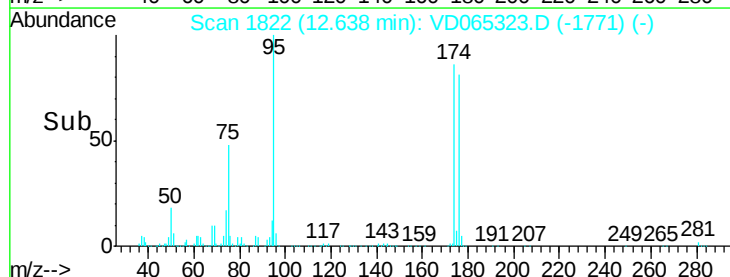
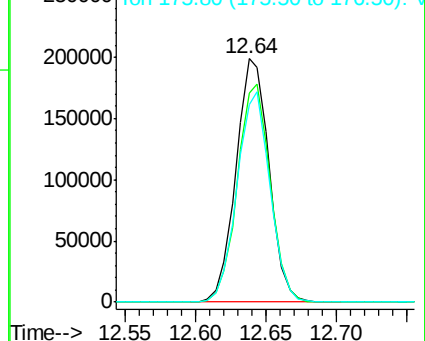
176 85.9 0.0 174.4

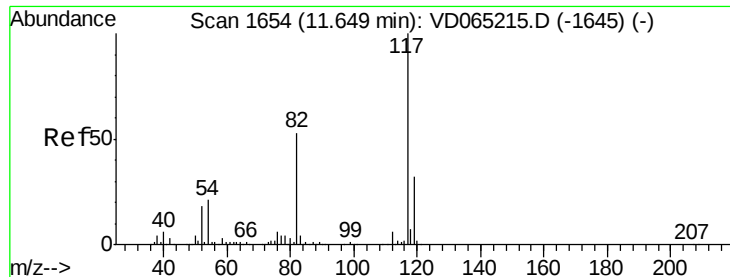


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

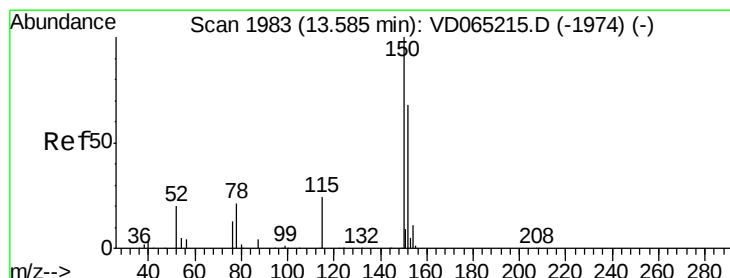
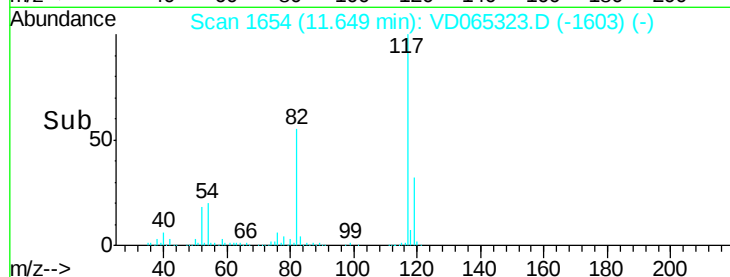
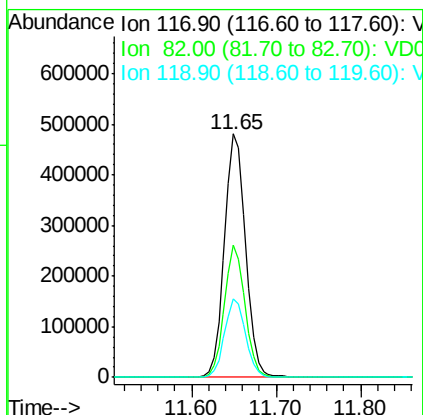
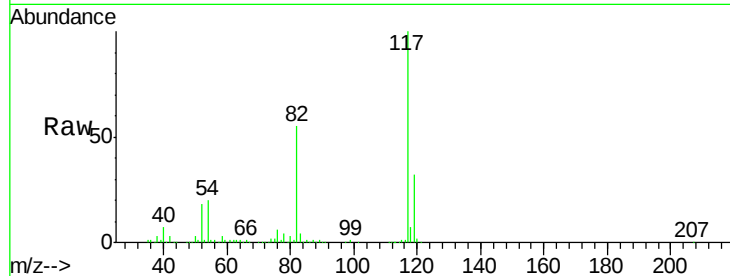




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065323.D  
Acq: 26 Feb 2020 12:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
GRAB-FRONT-PARKING-LOT

Tot Ion:117 Resp: 828035  
Ion Ratio Lower Upper  
117 100  
82 54.5 42.7 64.1  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD065323.D  
Acq: 26 Feb 2020 12:55

Tgt Ion:152 Resp: 349298  
Ion Ratio Lower Upper  
152 100  
115 54.8 27.6 82.8  
150 157.1 0.0 347.4

