

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\  
 Data File : VD062576.D  
 Acq On : 31 May 2019 20:52  
 Operator : VA/AP  
 Sample : K2639-07  
 Misc : 6.14g/5ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NB-07-053019-B

Quant Time: Jun 01 00:21:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D053019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 31 02:08:29 2019  
 Response via : Initial Calibration

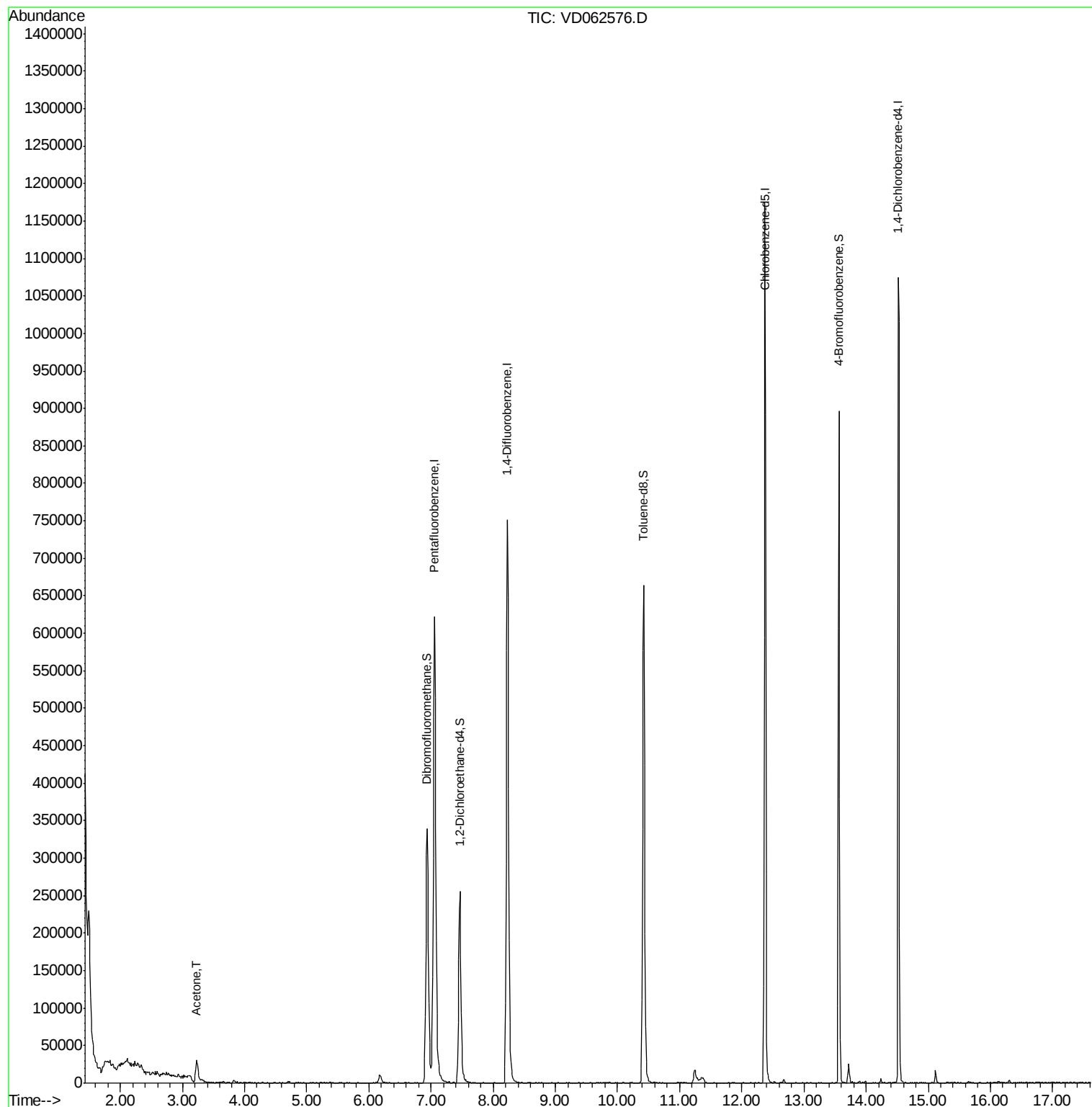
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 525519   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 735942   | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 555582   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 14.53 | 152  | 244033   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 308051   | 49.99  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.98% |           |
| 35) Dibromofluoromethane    | 6.94  | 113  | 291335   | 43.44  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.88% |           |
| 50) Toluene-d8              | 10.42 | 98   | 494020   | 33.62  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.24% |           |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 226104   | 34.12  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 68.24% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 3.24  | 43   | 62659    | 51.755 | ug/l # | Qvalue 90 |

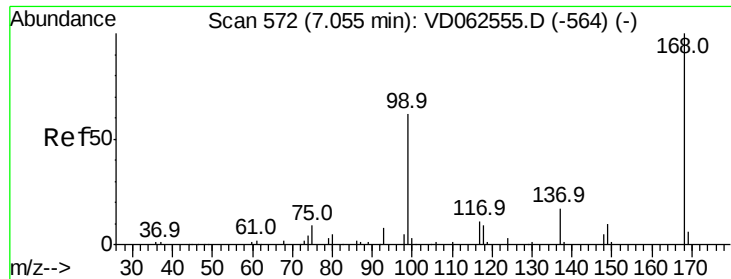
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 31 02:08:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

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Acq: 31 May 2019 20:52

Instrument :

MSVOA\_D

ClientSampleId :

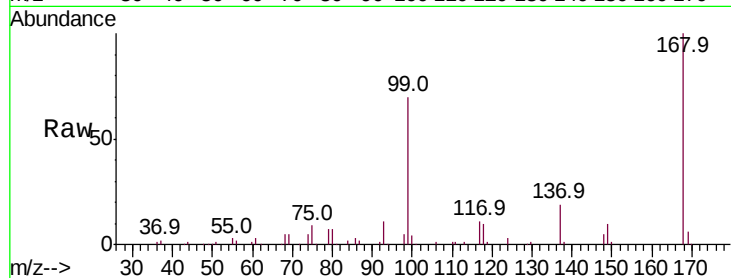
NB-07-053019-B

Tot Ion:168 Resp: 525519

Ion Ratio Lower Upper

168 100

99 70.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

150000

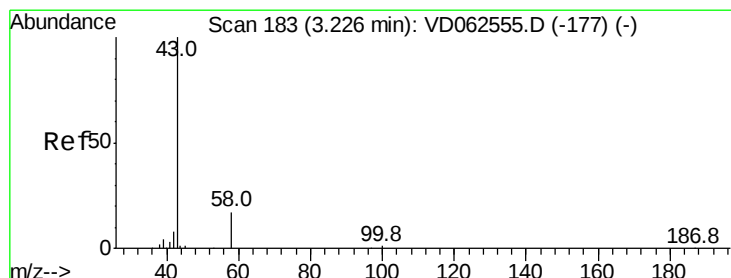
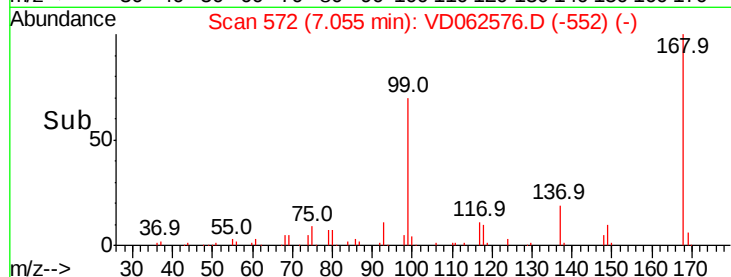
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 51.755 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062576.D

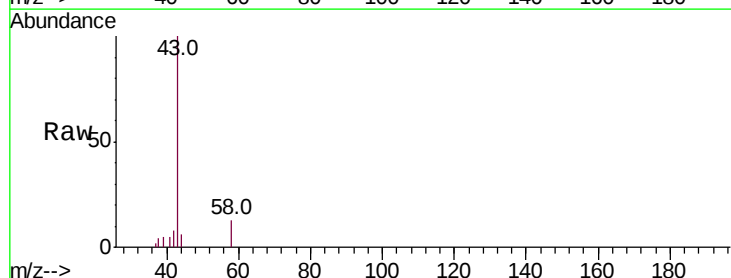
Acq: 31 May 2019 20:52

Tgt Ion: 43 Resp: 62659

Ion Ratio Lower Upper

43 100

58 12.8 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

20000

15000

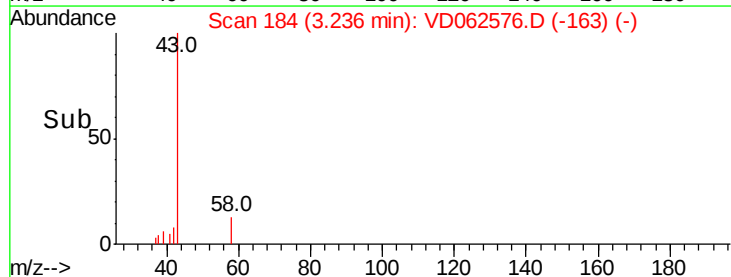
10000

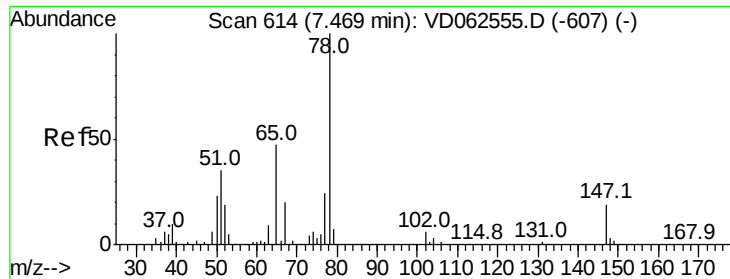
5000

0

3.10 3.20 3.30 3.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.993 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA\_D

ClientSampleId :

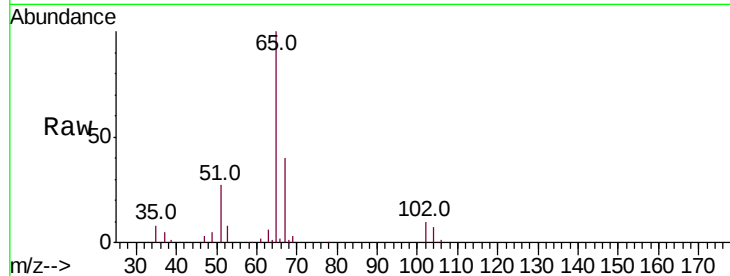
NB-07-053019-B

Tot Ion: 65 Resp: 308051

Ion Ratio Lower Upper

65 100

67 39.7 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

120000

100000

80000

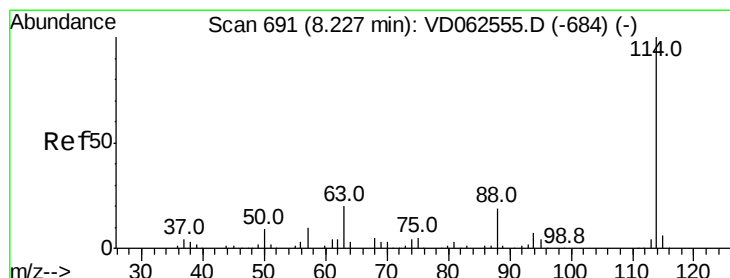
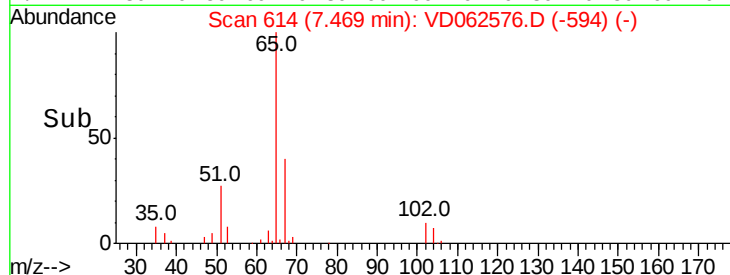
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

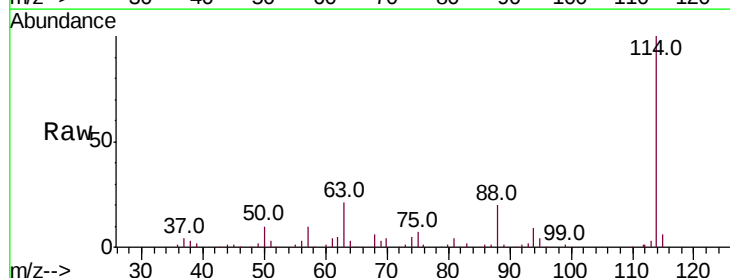
Tgt Ion: 114 Resp: 735942

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.6

88 19.6 0.0 37.6



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

8.23

400000

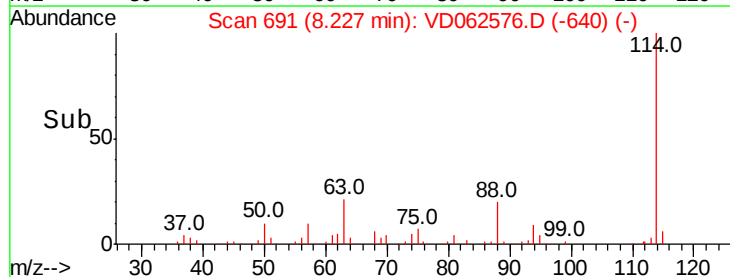
300000

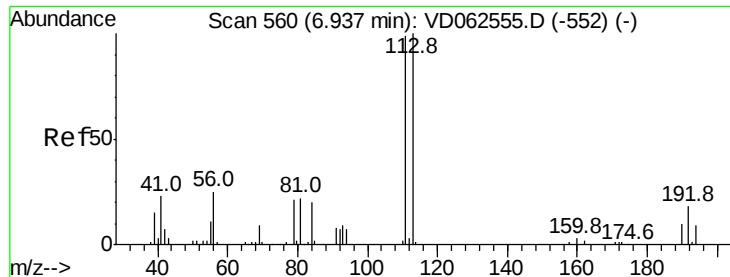
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 43.442 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA\_D

ClientSampleId :

NB-07-053019-B

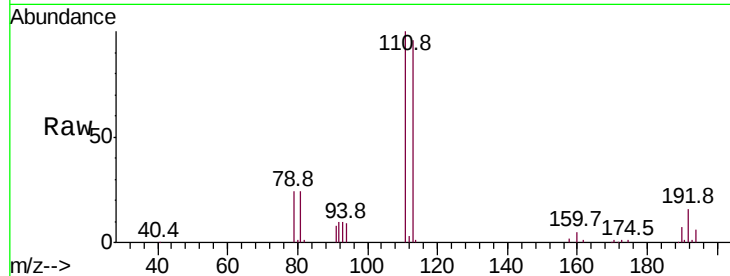
Tot Ion:113 Resp: 291335

Ion Ratio Lower Upper

113 100

111 104.3 78.8 118.2

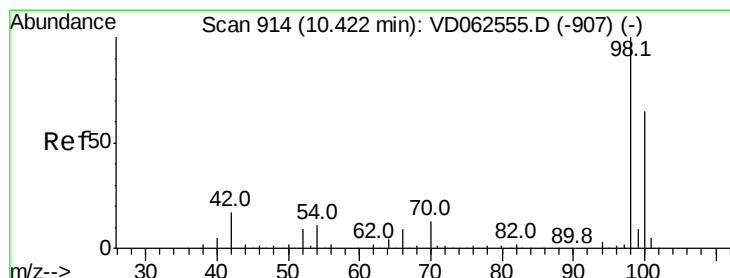
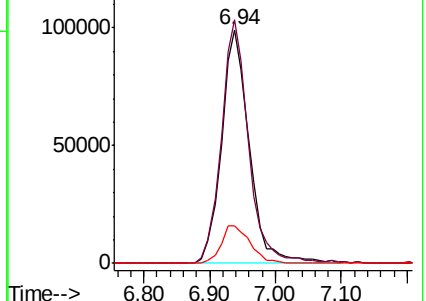
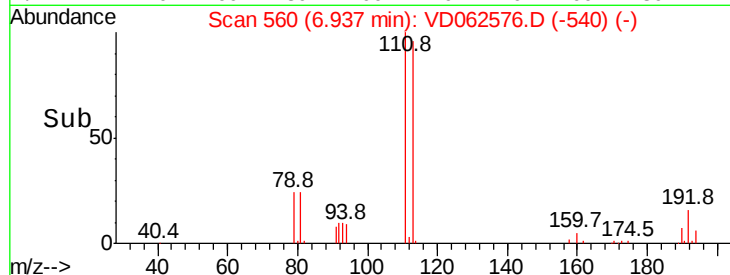
192 16.2 14.6 22.0



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: 33.621 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD062576.D

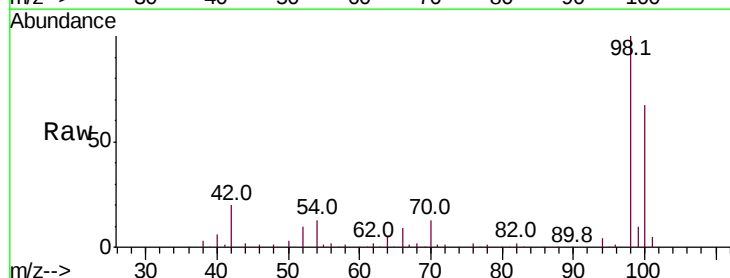
Acq: 31 May 2019 20:52

Tgt Ion: 98 Resp: 494020

Ion Ratio Lower Upper

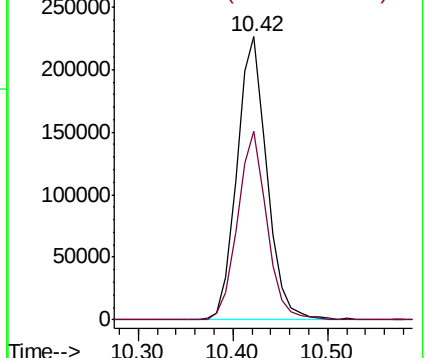
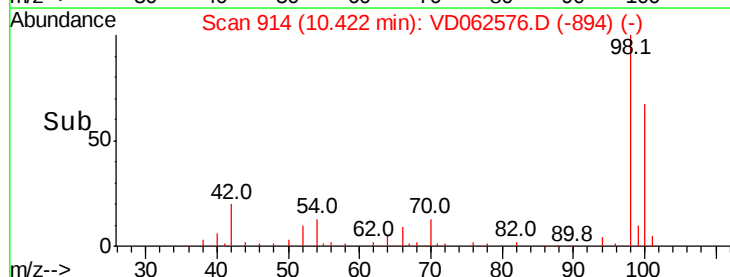
98 100

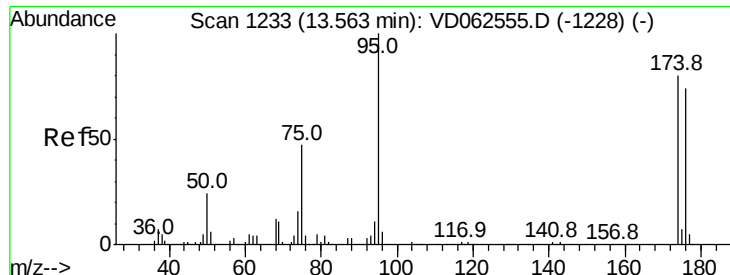
100 66.8 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 34.121 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

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NB-07-053019-B

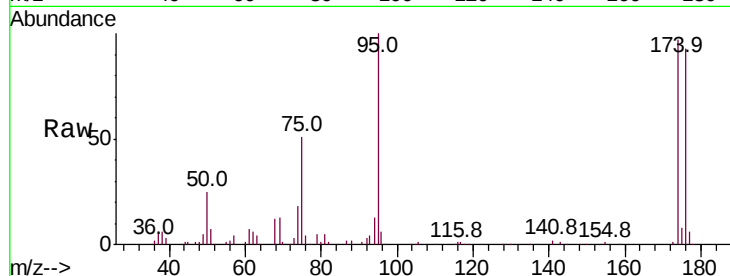
Tot Ion: 95 Resp: 226104

Ion Ratio Lower Upper

95 100

174 97.4 0.0 160.2

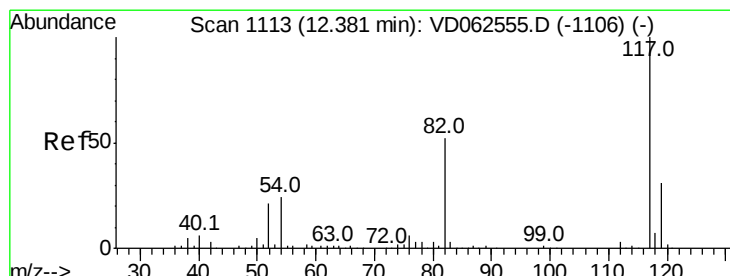
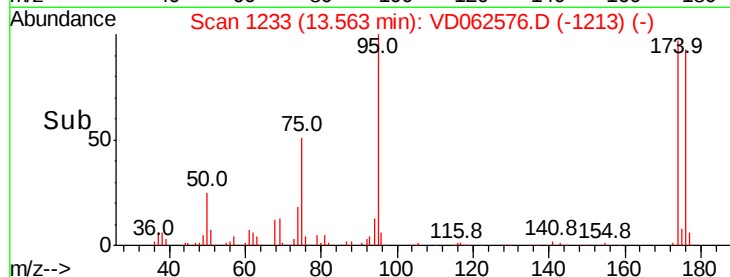
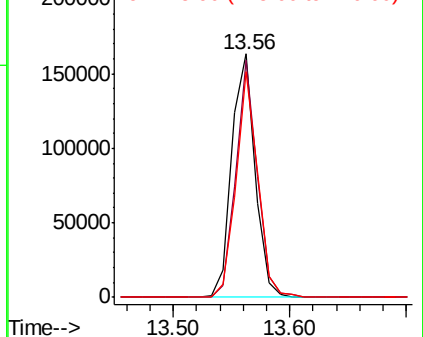
176 92.8 0.0 148.0



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: VD062576.D

Acq: 31 May 2019 20:52

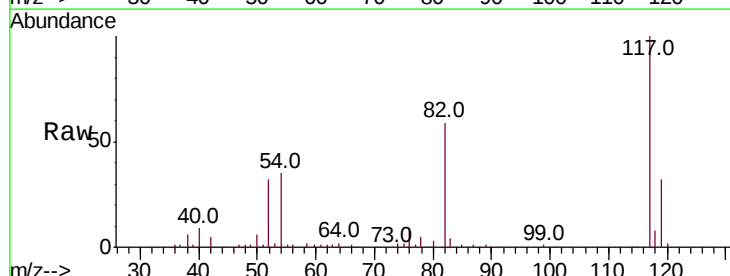
Tgt Ion: 117 Resp: 555582

Ion Ratio Lower Upper

117 100

82 58.5 41.4 62.2

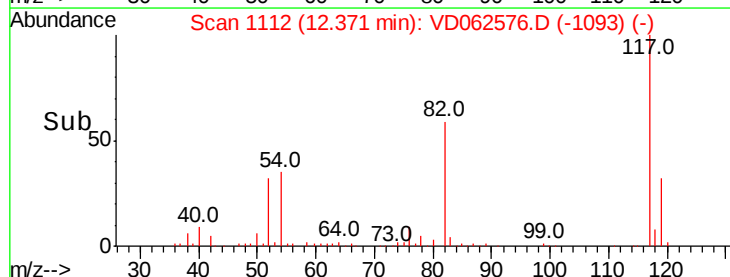
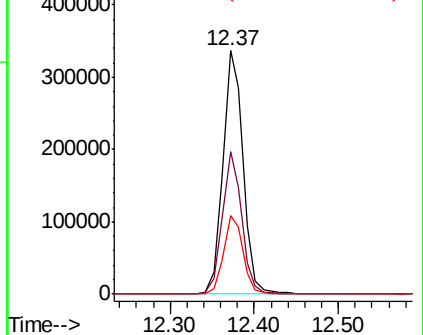
119 32.4 24.9 37.3

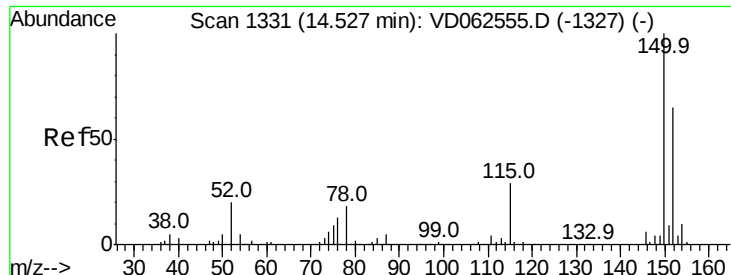


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

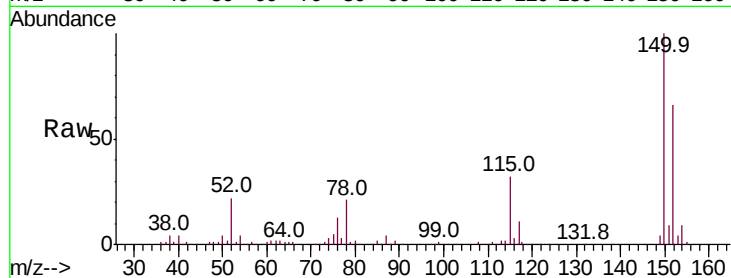




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.53 min Scan# 1331  
 Delta R.T. 0.00 min  
 Lab File: VD062576.D  
 Acq: 31 May 2019 20:52

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NB-07-053019-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 48.0  | 28.4  | 85.3  |
| 150     | 151.9 | 0.0   | 310.4 |



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

