

Data File : VD062336.D  
Acq On : 14 May 2019 7:07  
Operator : FY/SY  
Sample : K2735-14  
Misc : 5.10g/5mL/MSVOA\_D/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P026-SS017-0206-01

Quant Time: May 14 08:21:00 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      | 7.07  | 168  | 489493   | 50.00 | ug/l  | 0.05     |
| 34) 1,4-Difluorobenzene    | 8.24  | 114  | 725249   | 50.00 | ug/l  | 0.05     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 453401   | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 157309   | 50.00 | ug/l  | 0.01     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.47   | 65  | 254364   | 55.92 | ug/l    | 0.05 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.84% |      |
| 35) Dibromofluoromethane  | 6.94   | 113 | 289098   | 48.04 | ug/l    | 0.05 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.08%  |      |
| 50) Toluene-d8            | 10.43  | 98  | 432493   | 29.81 | ug/l    | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 59.62%  |      |
| 62) 4-Bromofluorobenzene  | 13.57  | 95  | 168895   | 28.99 | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 57.98%  |      |

Target Compounds

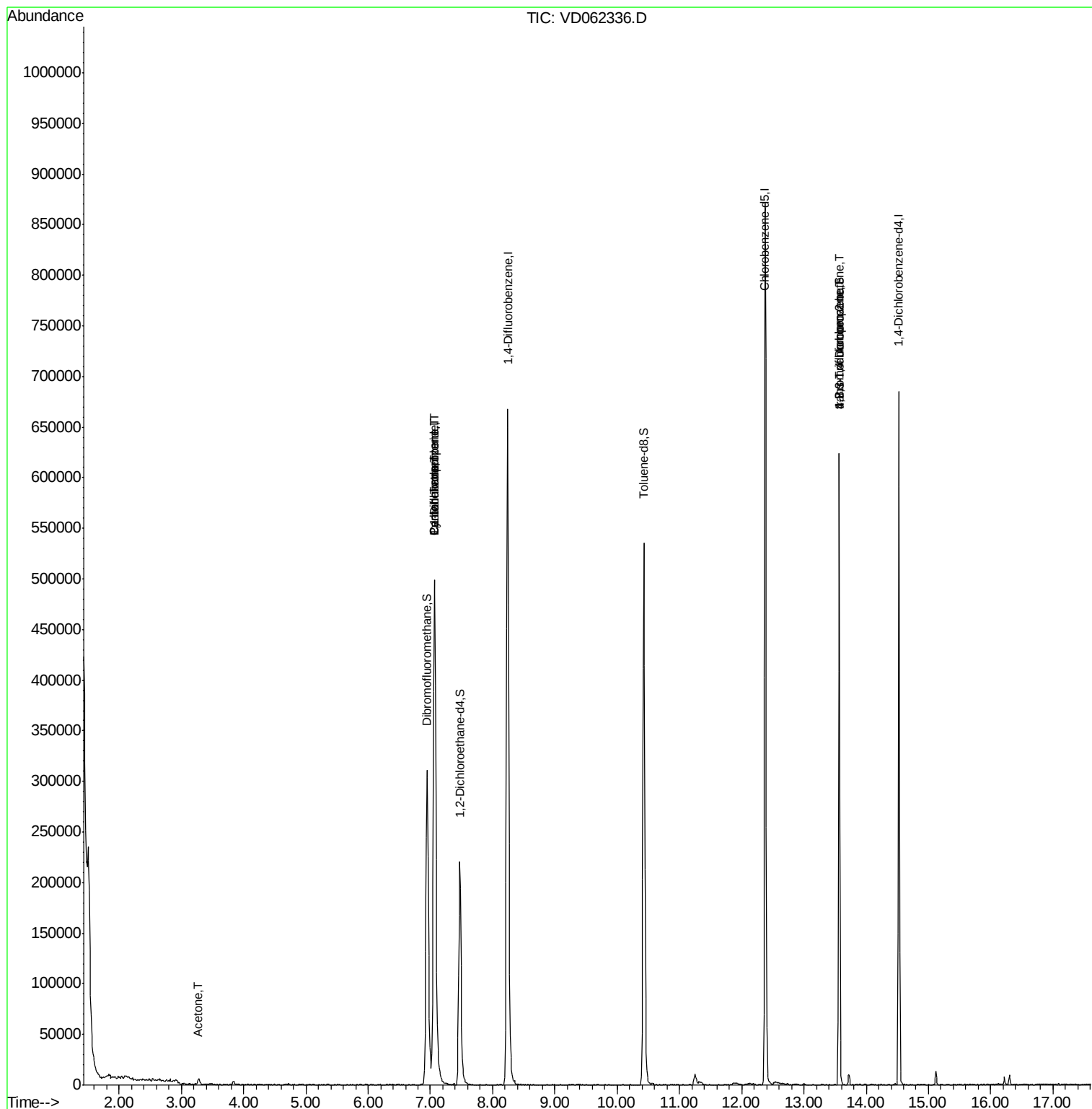
|                                |       |     |       |           | Qvalue |    |
|--------------------------------|-------|-----|-------|-----------|--------|----|
| 16) Acetone                    | 3.25  | 43  | 1994  | 2.090     | ug/l # | 50 |
| 18) Methyl Acetate             | 3.68  | 43  | 200   | Below Cal | #      | 53 |
| 31) Cyclohexane                | 7.06  | 56  | 10061 | 2.108     | ug/l # | 1  |
| 36) 1,1-Dichloropropene        | 7.06  | 75  | 42833 | 7.203     | ug/l # | 45 |
| 38) Carbon Tetrachloride       | 7.07  | 117 | 51324 | 6.236     | ug/l # | 15 |
| 76) 1,2,3-Trichloropropane     | 13.57 | 75  | 72123 | 38.579    | ug/l # | 42 |
| 81) trans-1,4-Dichloro-2-buten | 13.57 | 75  | 77289 | 146.445   | ug/l # | 16 |

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

Data File : VD062336.D  
Acq On : 14 May 2019 7:07  
Operator : FY/SY  
Sample : K2735-14  
Misc : 5.10g/5mL/MSVOA\_D/SOIL  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P026-SS017-0206-01

Quant Time: May 14 08:21:00 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062336.D

Acq: 14 May 2019 7:07

Instrument :

MSVOA\_D

ClientSampleId :

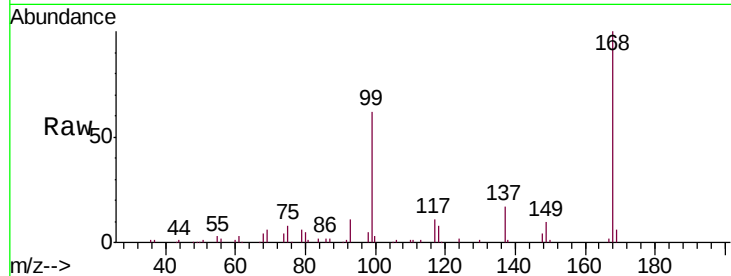
P026-SS017-0206-01

Tgt Ion: 168 Resp: 489493

Ion Ratio Lower Upper

168 100

99 62.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

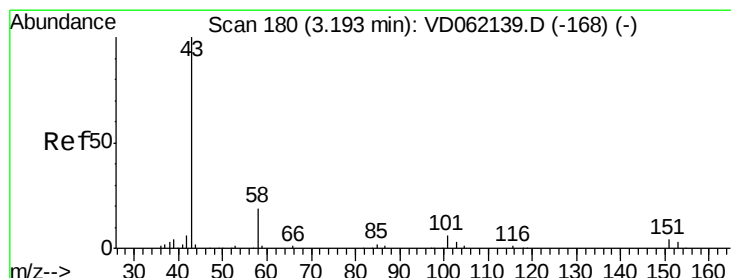
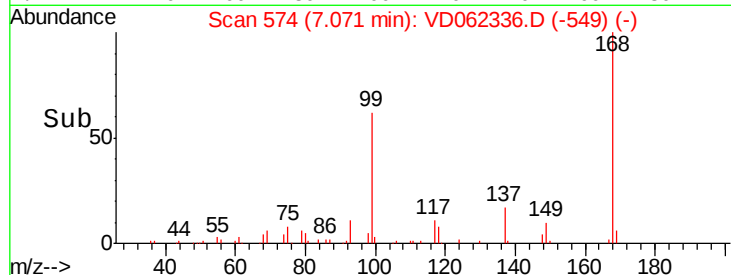
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 2.090 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.06 min

Lab File: VD062336.D

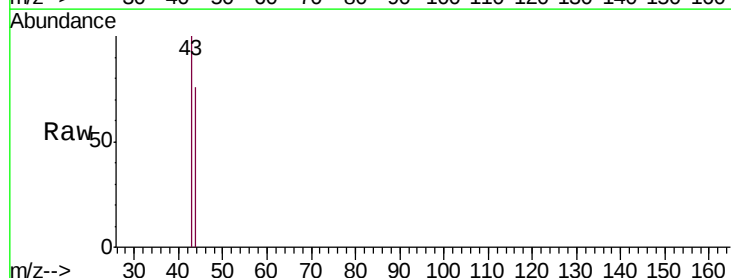
Acq: 14 May 2019 7:07

Tgt Ion: 43 Resp: 1994

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1000

800

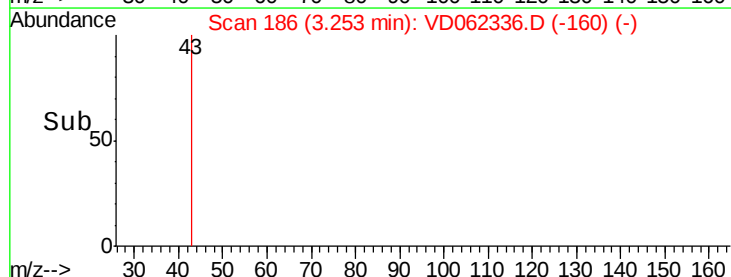
600

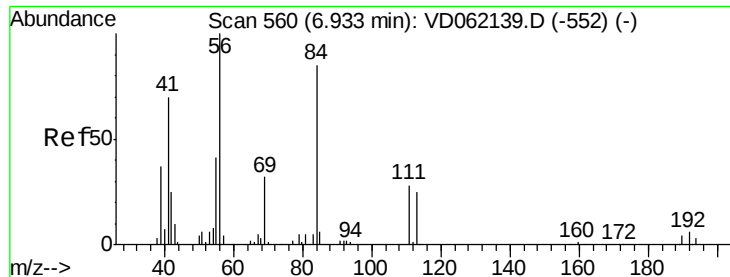
400

200

0

Time--> 3.20 3.25 3.30

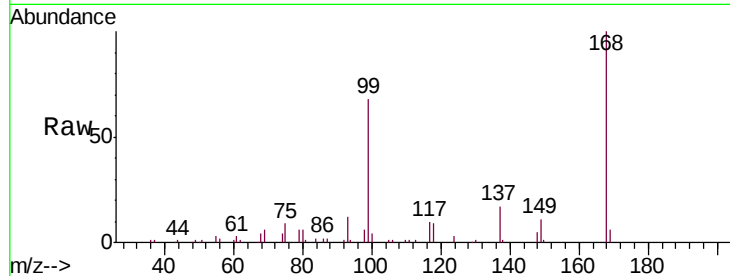




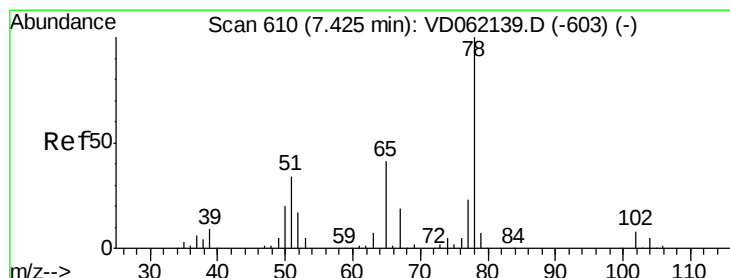
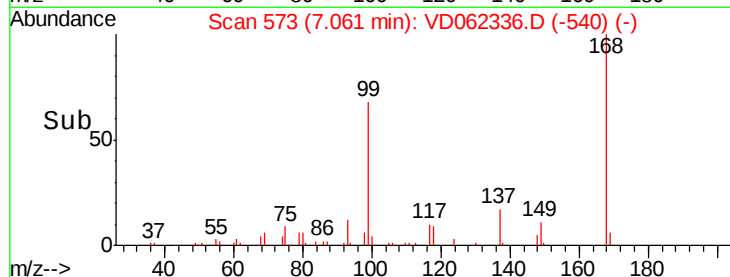
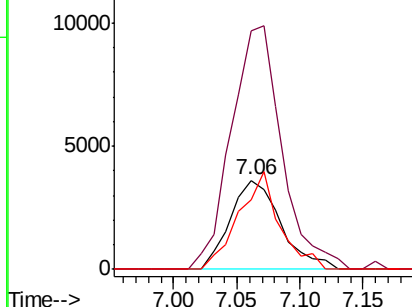
#31  
Cyclohexane  
Concen: 2.108 ug/l  
RT: 7.06 min Scan# 573  
Delta R.T. 0.13 min  
Lab File: VD062336.D  
Acq: 14 May 2019 7:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
P026-SS017-0206-01

Tgt Ion: 56 Resp: 10061  
Ion Ratio Lower Upper  
56 100  
69 267.6 25.8 38.6#  
84 78.5 72.2 108.4

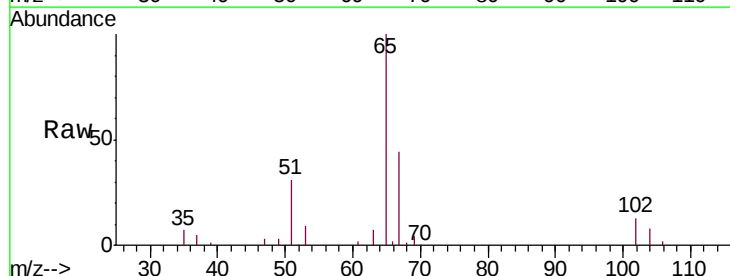


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

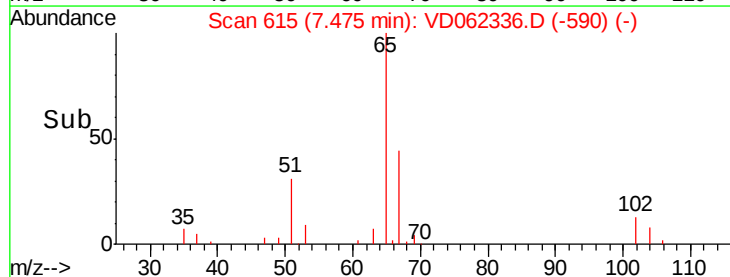
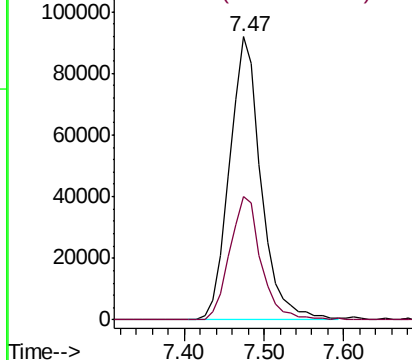


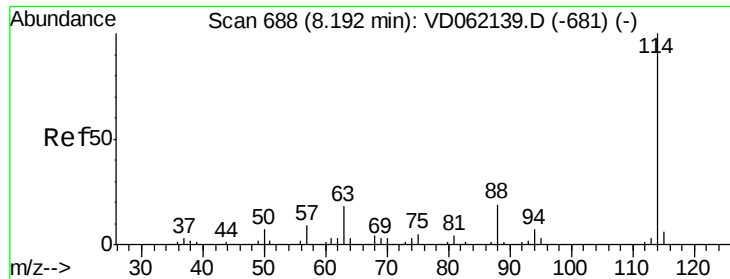
#33  
1,2-Dichloroethane-d4  
Concen: 55.917 ug/l  
RT: 7.47 min Scan# 615  
Delta R.T. 0.05 min  
Lab File: VD062336.D  
Acq: 14 May 2019 7:07

Tgt Ion: 65 Resp: 254364  
Ion Ratio Lower Upper  
65 100  
67 43.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

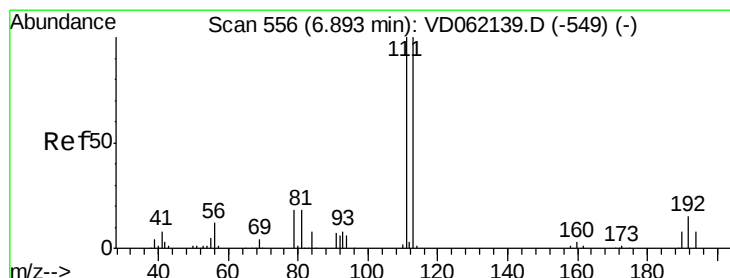
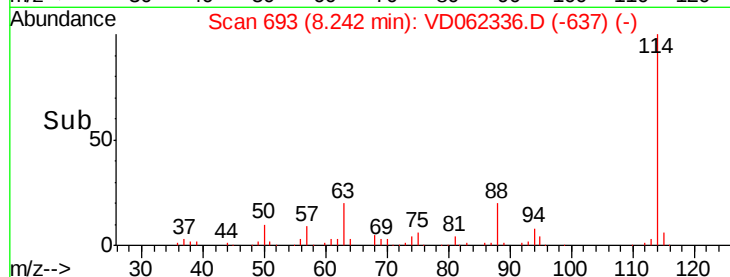
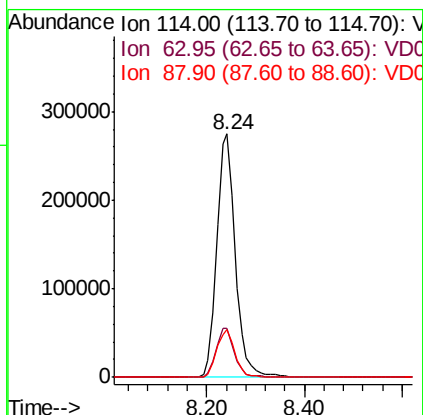
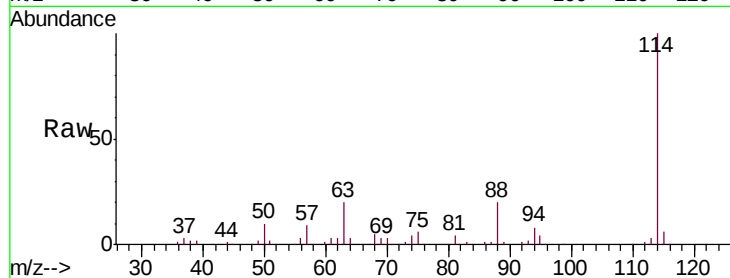




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.24 min Scan# 693  
 Delta R.T. 0.05 min  
 Lab File: VD062336.D  
 Acq: 14 May 2019 7:07

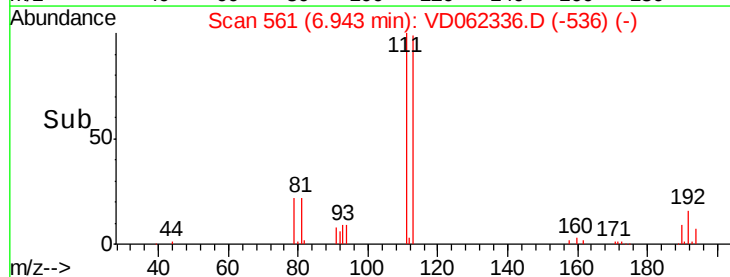
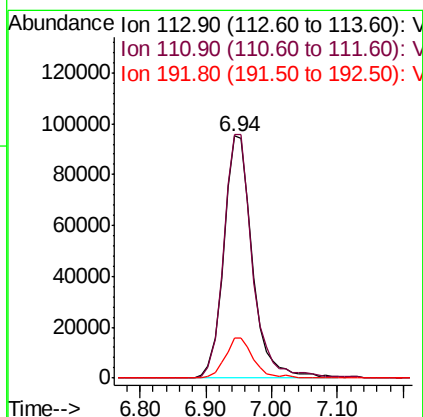
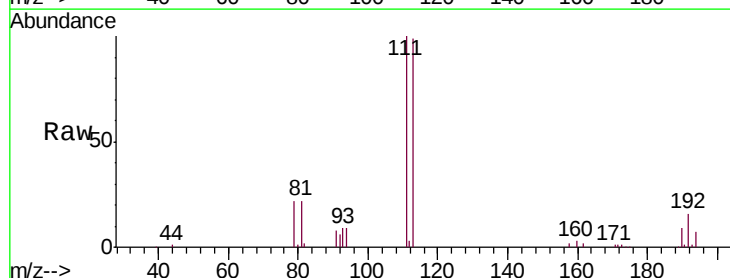
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P026-SS017-0206-01

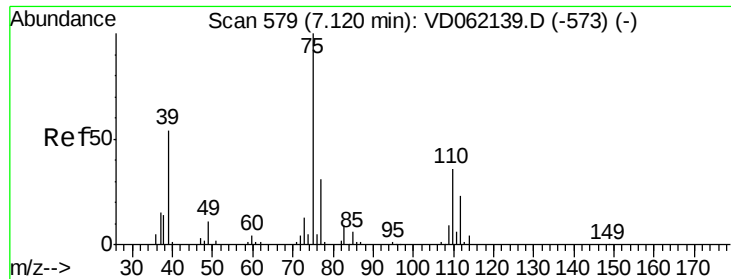
Tgt Ion:114 Resp: 725249  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 32.4  
 88 19.7 0.0 33.6



#35  
 Dibromofluoromethane  
 Concen: 48.043 ug/l  
 RT: 6.94 min Scan# 561  
 Delta R.T. 0.05 min  
 Lab File: VD062336.D  
 Acq: 14 May 2019 7:07

Tgt Ion:113 Resp: 289098  
 Ion Ratio Lower Upper  
 113 100  
 111 100.7 78.5 117.7  
 192 16.4 13.0 19.4

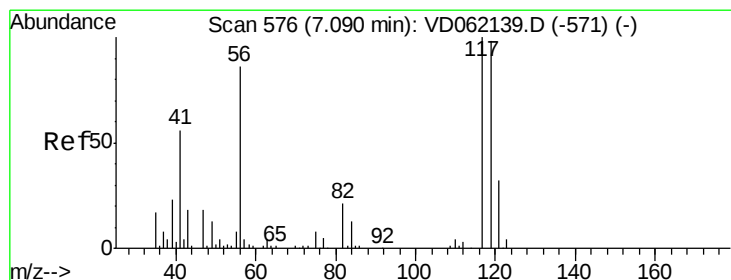
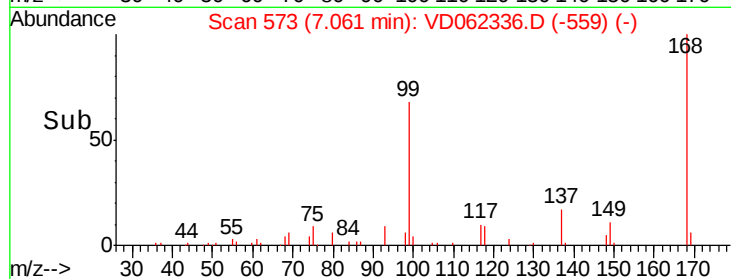
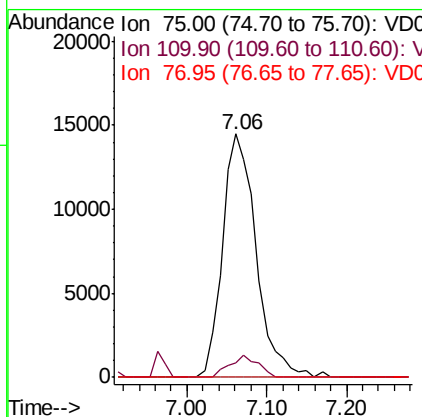
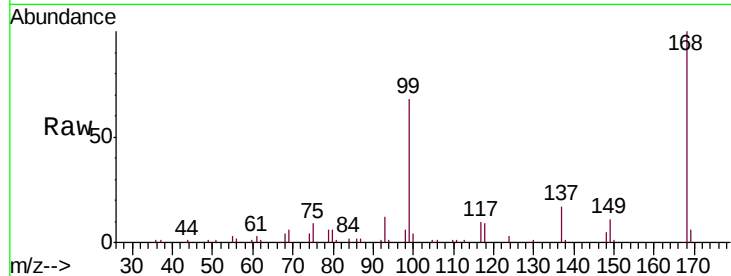




#36  
 1,1-Dichloropropene  
 Concen: 7.203 ug/l  
 RT: 7.06 min Scan# 573  
 Delta R.T. -0.06 min  
 Lab File: VD062336.D  
 Acq: 14 May 2019 7:07

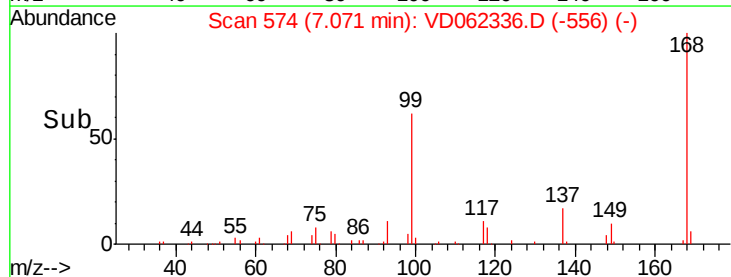
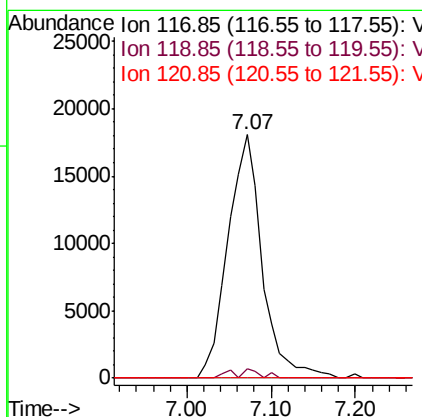
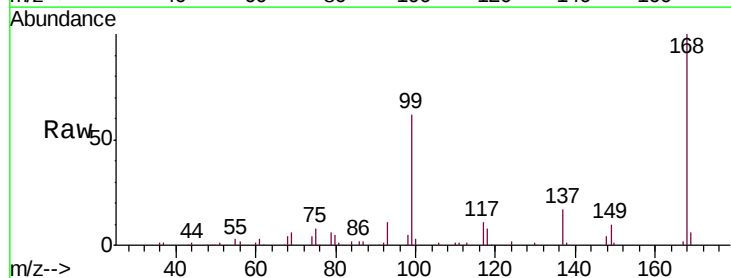
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P026-SS017-0206-01

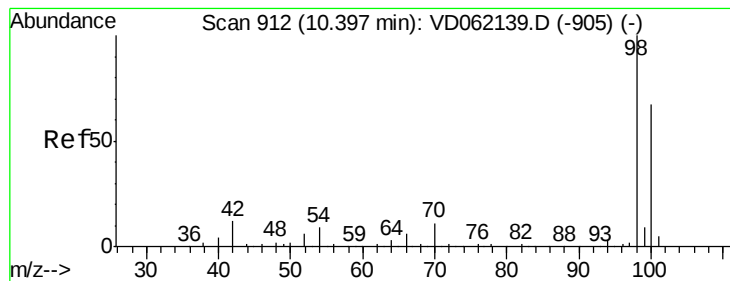
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 5.9   | 19.1  | 57.1# |
| 77      | 0.0   | 25.6  | 38.4# |



#38  
 Carbon Tetrachloride  
 Concen: 6.236 ug/l  
 RT: 7.07 min Scan# 574  
 Delta R.T. -0.02 min  
 Lab File: VD062336.D  
 Acq: 14 May 2019 7:07

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 3.7   | 75.8  | 113.8# |
| 121     | 0.0   | 25.9  | 38.9#  |





#50

Toluene-d8

Concen: 29.809 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062336.D

Acq: 14 May 2019 7:07

Instrument :

MSVOA\_D

ClientSampleId :

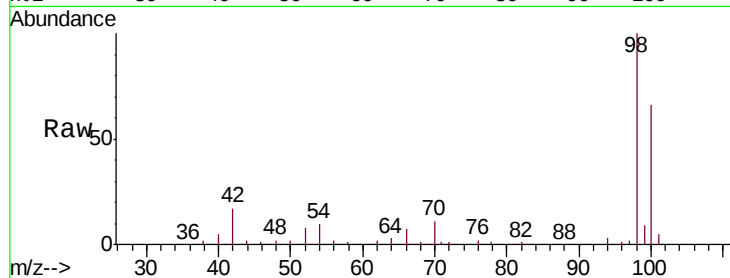
P026-SS017-0206-01

Tgt Ion: 98 Resp: 432493

Ion Ratio Lower Upper

98 100

100 65.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.43

200000

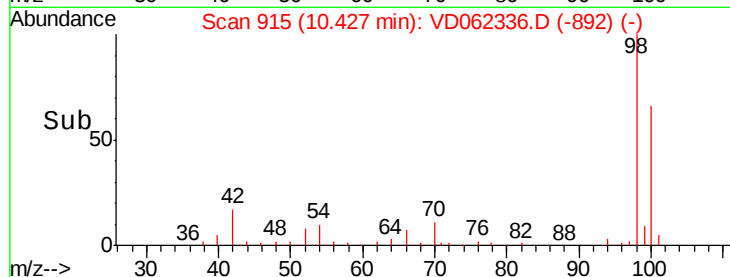
150000

100000

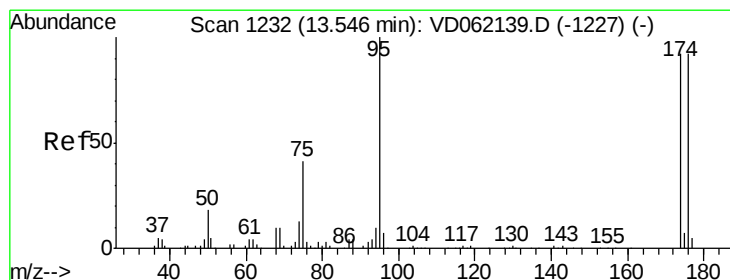
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 28.989 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062336.D

Acq: 14 May 2019 7:07

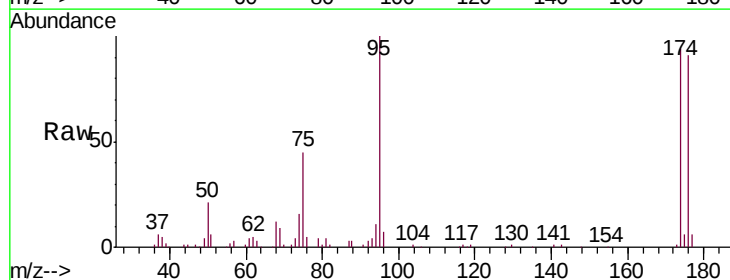
Tgt Ion: 95 Resp: 168895

Ion Ratio Lower Upper

95 100

174 93.8 0.0 181.8

176 91.4 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.57

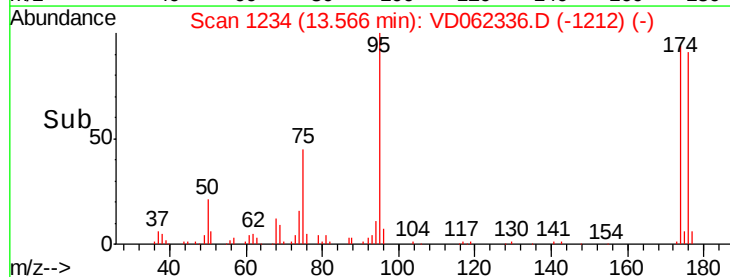
150000

100000

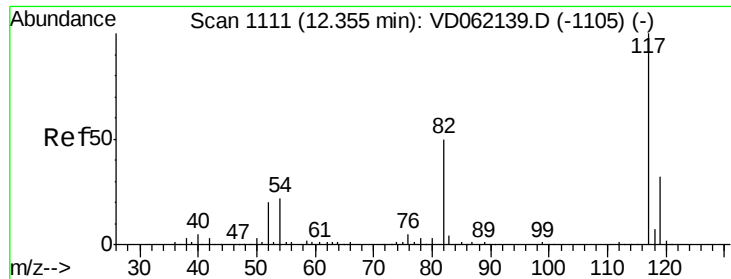
50000

0

Time-->



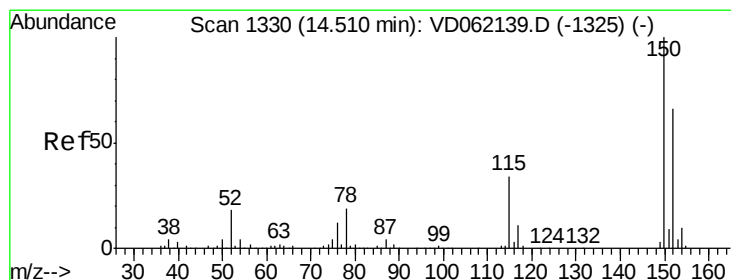
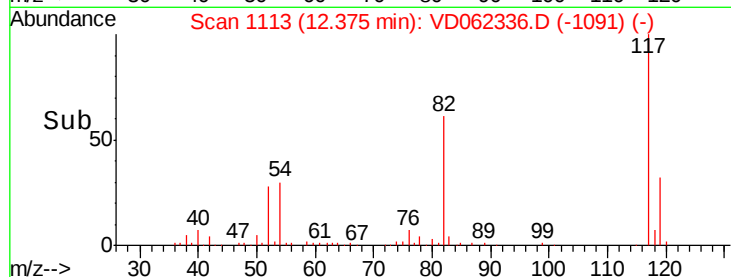
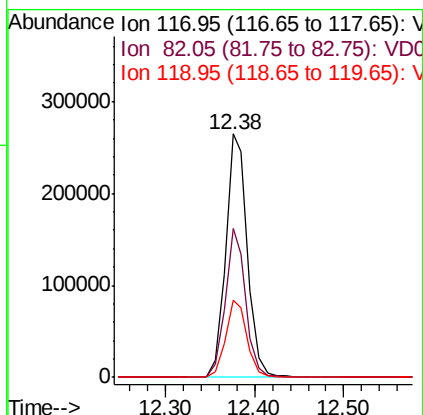
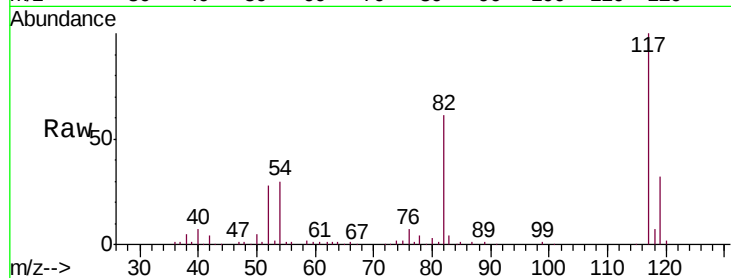
Time-->



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VD062336.D  
Acq: 14 May 2019 7:07

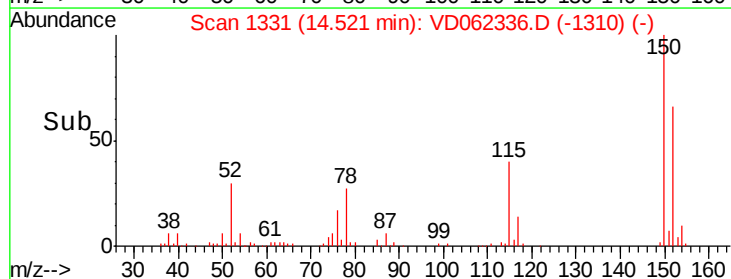
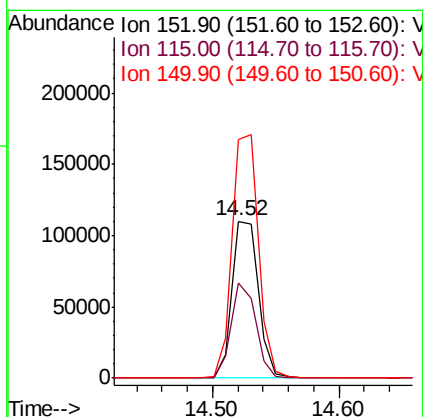
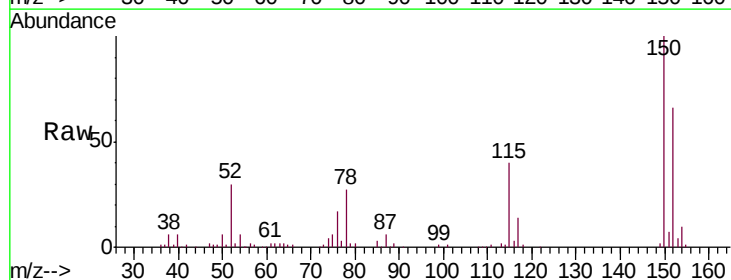
Instrument :  
MSVOA\_D  
ClientSampleId :  
P026-SS017-0206-01

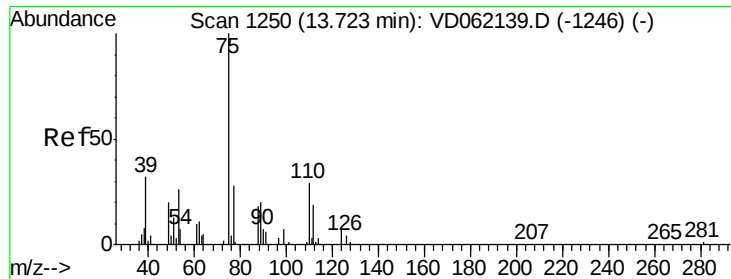
Tgt Ion:117 Resp: 453401  
Ion Ratio Lower Upper  
117 100  
82 61.4 36.2 54.2#  
119 31.9 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD062336.D  
Acq: 14 May 2019 7:07

Tgt Ion:152 Resp: 157309  
Ion Ratio Lower Upper  
152 100  
115 60.7 30.9 92.7  
150 151.9 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 38.579 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062336.D

Acq: 14 May 2019 7:07

Instrument :

MSVOA\_D

ClientSampleId :

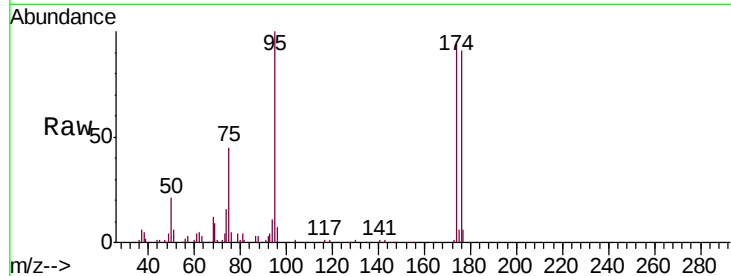
P026-SS017-0206-01

Tgt Ion: 75 Resp: 72123

Ion Ratio Lower Upper

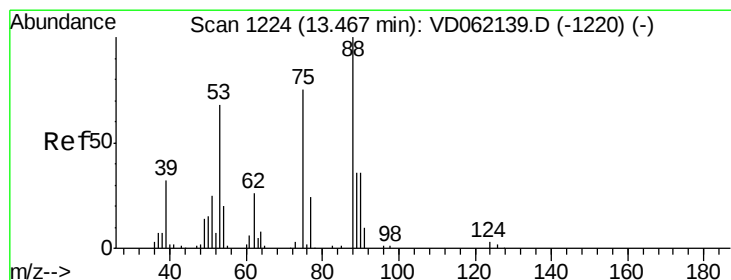
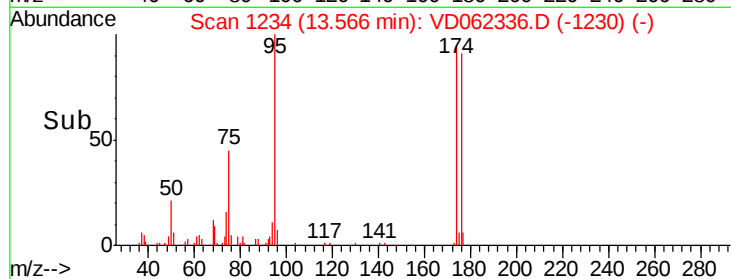
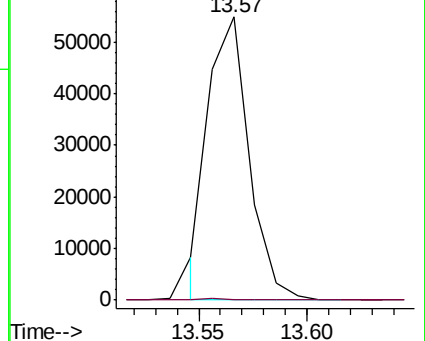
75 100

77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 146.445 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062336.D

Acq: 14 May 2019 7:07

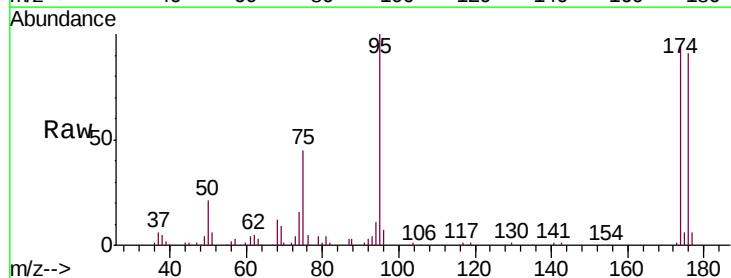
Tgt Ion: 75 Resp: 77289

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

