

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031219\  
 Data File : VD061029.D  
 Acq On : 12 Mar 2019 17:31  
 Operator : VA/AP  
 Sample : K1824-09RE  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-28

Quant Time: Mar 13 04:09:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 581247   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1033749  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 857332   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 376905   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 308717   | 63.81  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 127.62% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 477009   | 62.18  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 124.36% |          |
| 50) Toluene-d8              | 10.40 | 98   | 1119839  | 58.13  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 116.26% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 420221   | 56.21  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 112.42% |          |

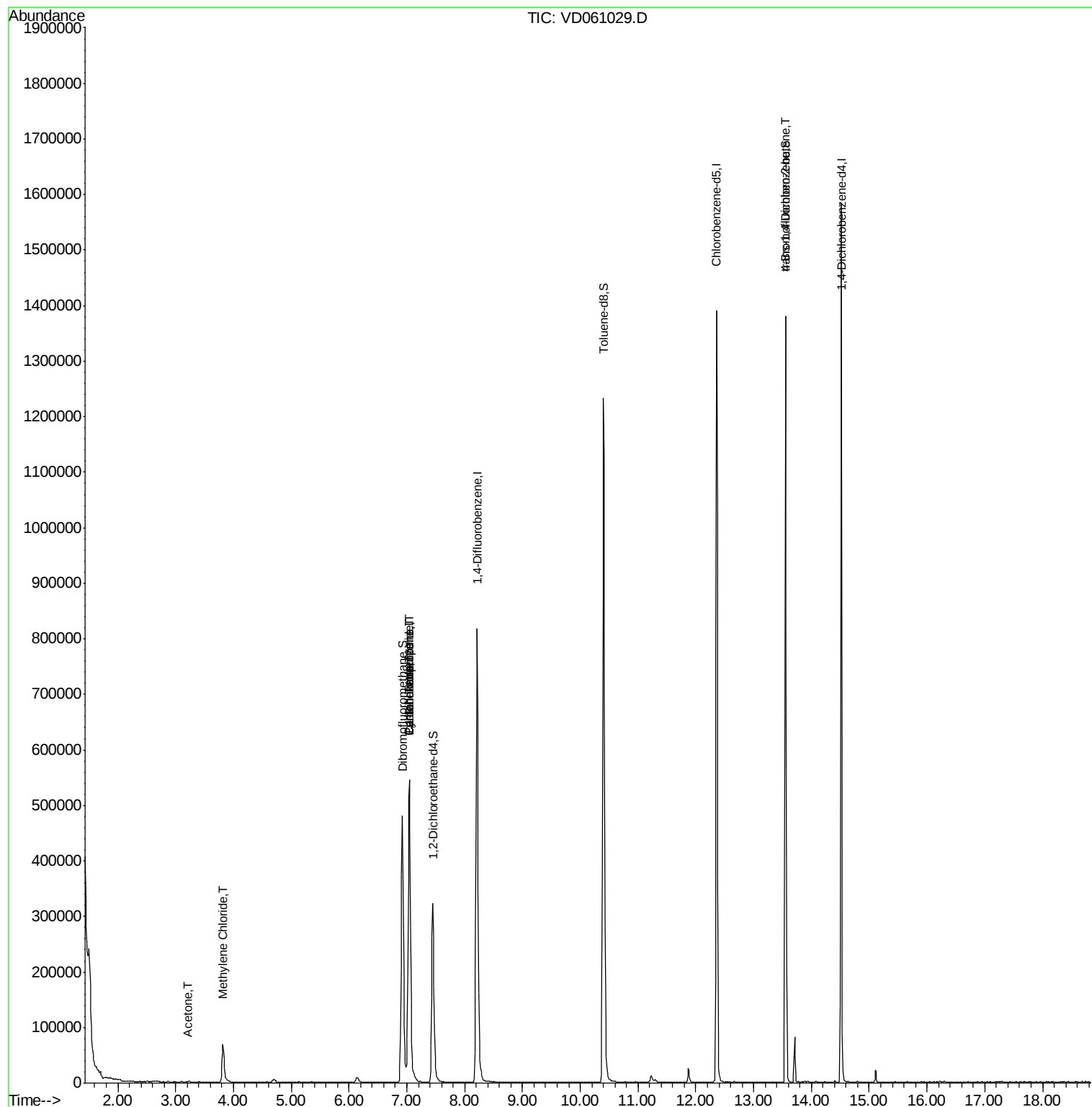
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                    | 3.22  | 43   | 2576     | 1.862  | ug/l # | 48     |
| 20) Methylene Chloride         | 3.82  | 84   | 49472    | 3.506  | ug/l   | 96     |
| 31) Cyclohexane                | 7.04  | 56   | 9606     | 1.122  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.04  | 75   | 44211    | 4.962  | ug/l # | 46     |
| 38) Carbon Tetrachloride       | 7.04  | 117  | 57514    | 5.860  | ug/l # | 15     |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 152098   | 95.141 | ug/l # | 17     |

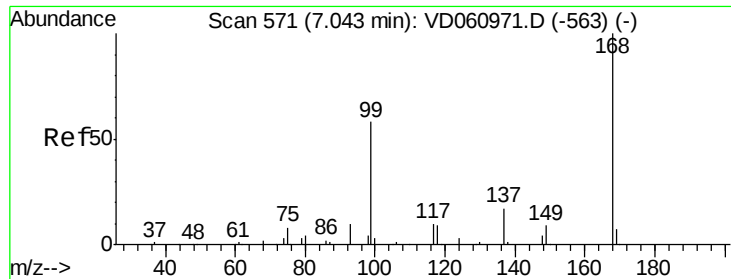
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031219\  
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Instrument :  
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Quant Time: Mar 13 04:09:13 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061029.D

Acq: 12 Mar 2019 17:31

Instrument :

MSVOA\_D

ClientSampleId :

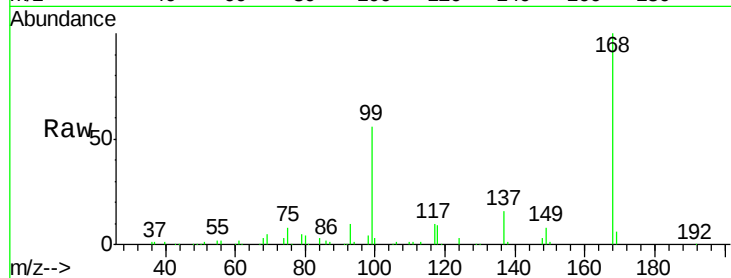
TP-28

Tot Ion:168 Resp: 581247

Ion Ratio Lower Upper

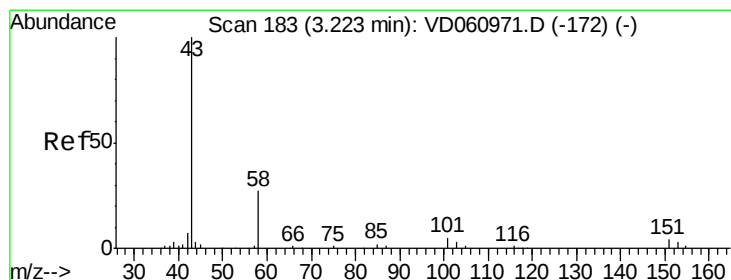
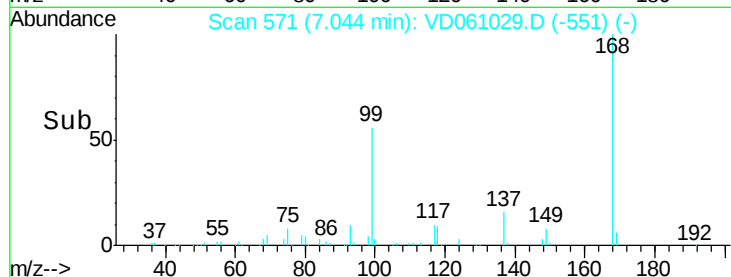
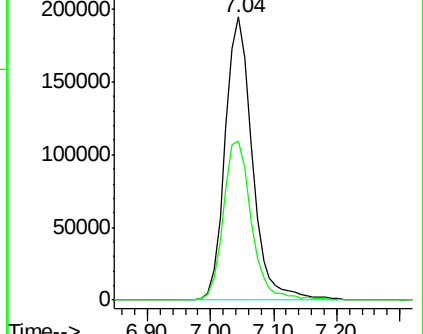
168 100

99 56.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 1.862 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061029.D

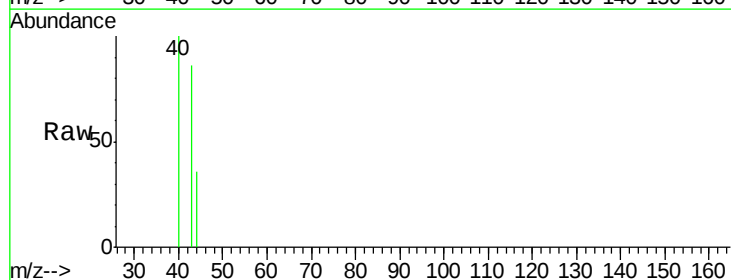
Acq: 12 Mar 2019 17:31

Tgt Ion: 43 Resp: 2576

Ion Ratio Lower Upper

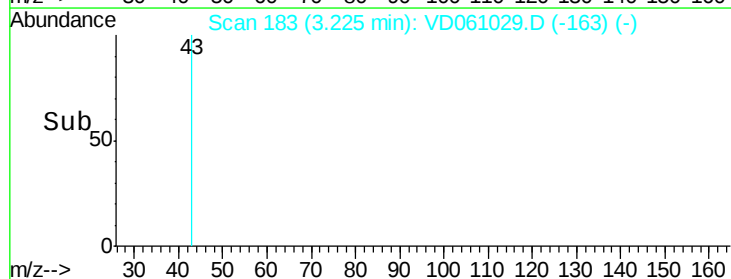
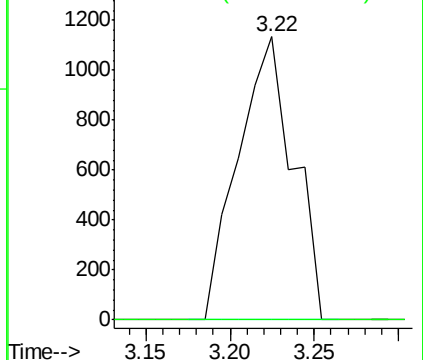
43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

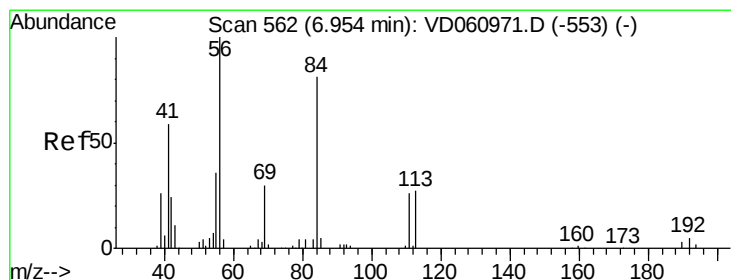
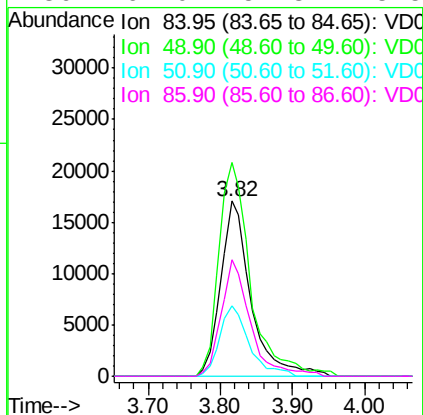
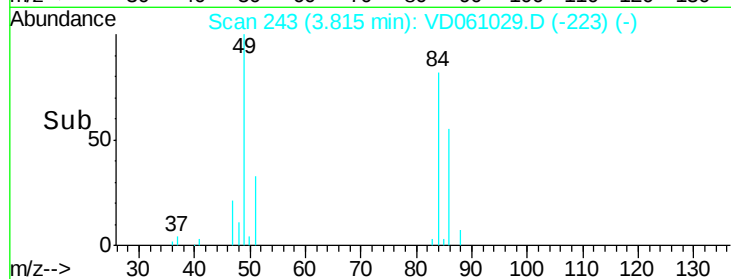
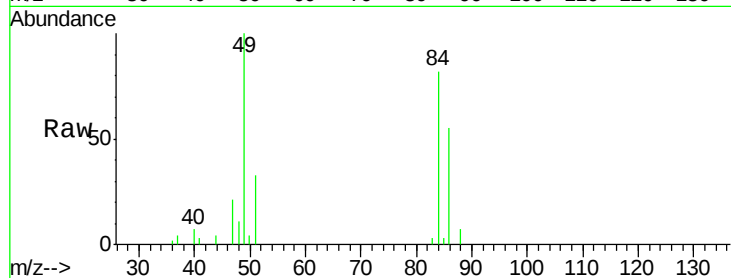




#20  
Methvlene Chloride  
Concen: 3.506 ug/l  
RT: 3.82 min Scan# 243  
Delta R.T. -0.01 min  
Lab File: VD061029.D  
Acq: 12 Mar 2019 17:31

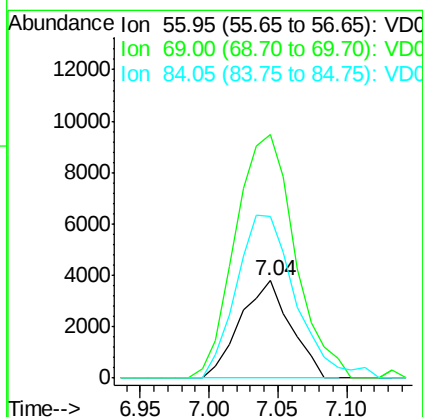
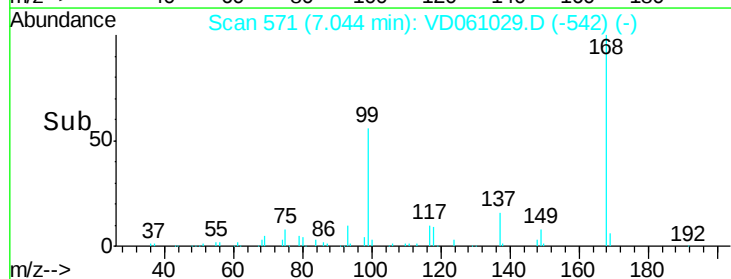
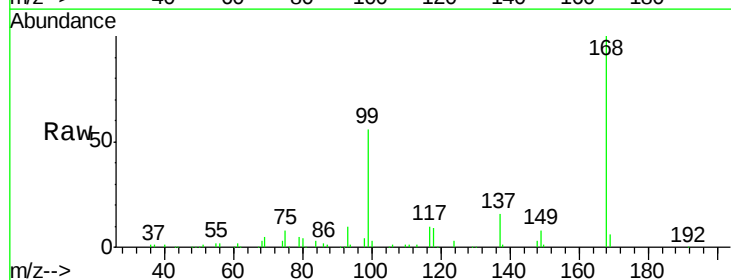
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-28

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 49472 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.2 | 104.2 | 156.2 |
| 51       | 40.4  | 32.3  | 48.5  |
| 86       | 67.0  | 52.3  | 78.5  |



#31  
Cyclohexane  
Concen: 1.122 ug/l  
RT: 7.04 min Scan# 571  
Delta R.T. 0.09 min  
Lab File: VD061029.D  
Acq: 12 Mar 2019 17:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 9606  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 249.7 | 24.0  | 36.0# |
| 84       | 165.7 | 65.8  | 98.6# |

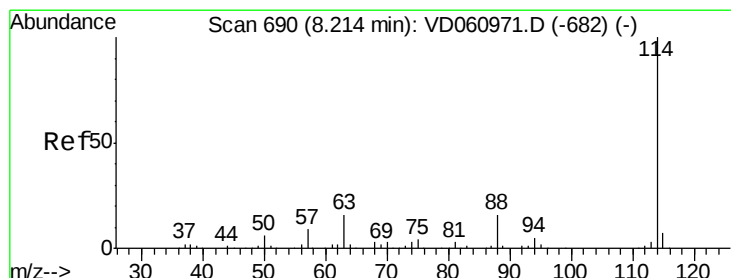
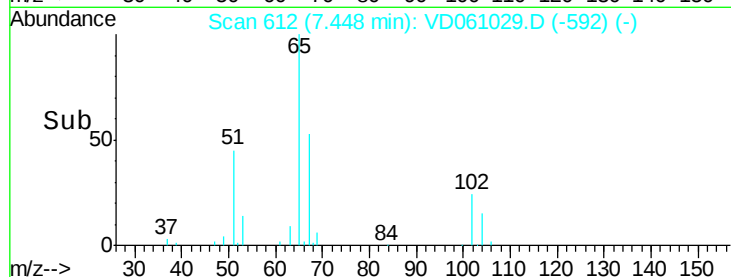
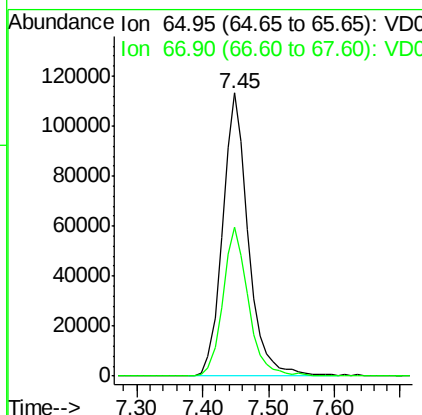
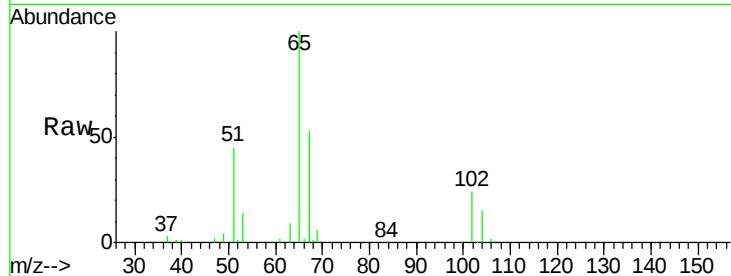




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 7.45 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: VD061029.D  
 Acq: 12 Mar 2019 17:31

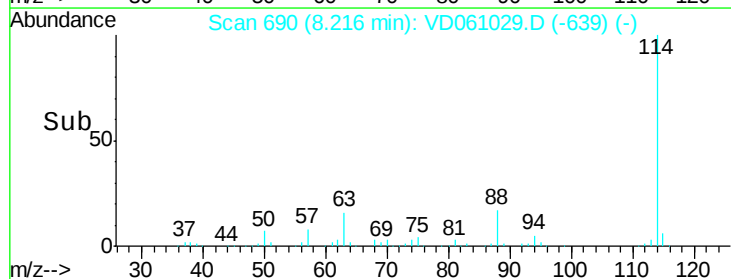
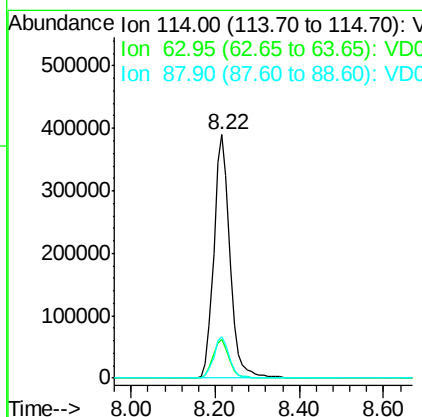
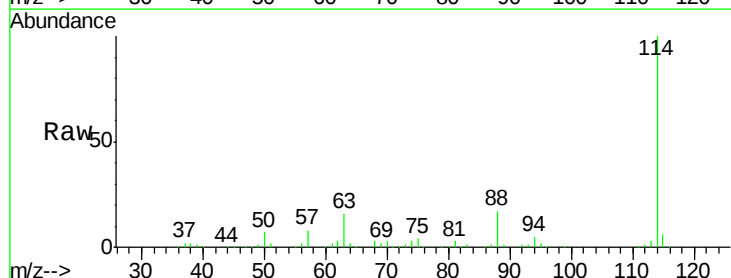
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-28

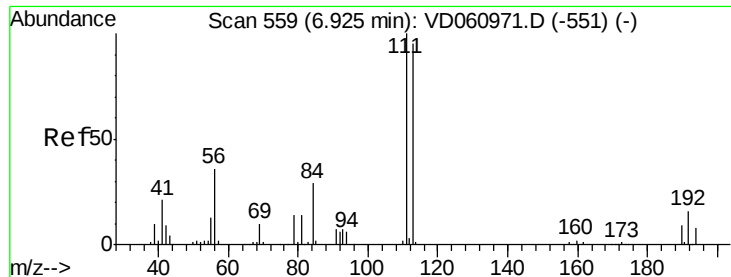
Tot Ion: 65 Resp: 308717  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.00 min  
 Lab File: VD061029.D  
 Acq: 12 Mar 2019 17:31

Tgt Ion: 114 Resp: 1033749  
 Ion Ratio Lower Upper  
 114 100  
 63 15.9 0.0 31.4  
 88 16.8 0.0 33.0

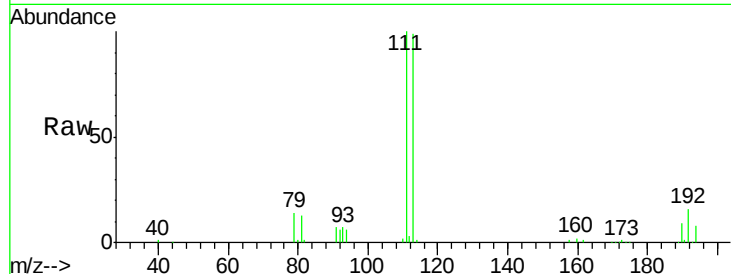




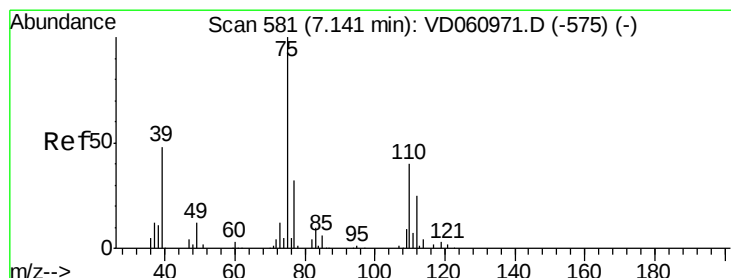
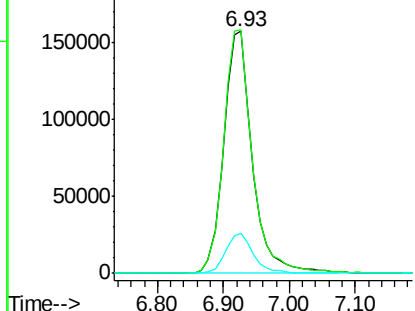
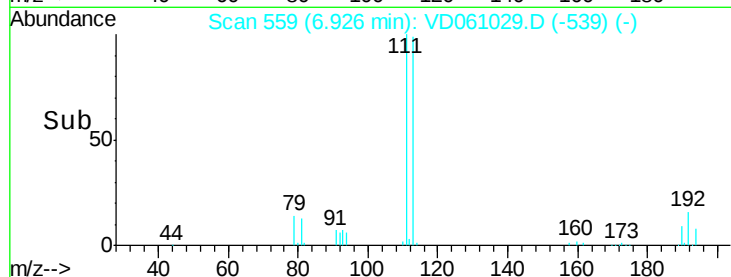
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.93 min Scan# 559  
Delta R.T. 0.00 min  
Lab File: VD061029.D  
Acq: 12 Mar 2019 17:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-28

Tot Ion:113 Resp: 477009  
Ion Ratio Lower Upper  
113 100  
111 100.7 84.2 126.4  
192 16.4 13.1 19.7

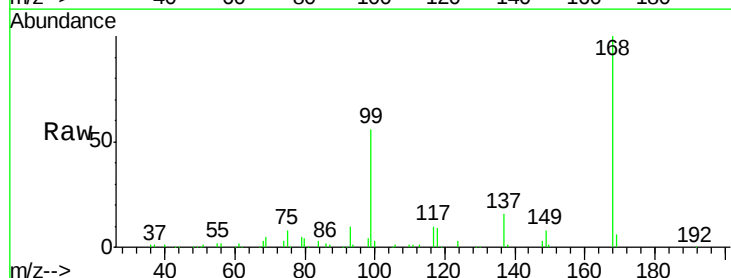


Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V

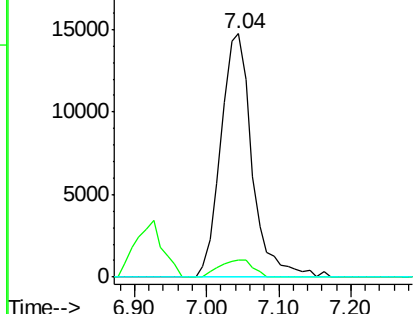
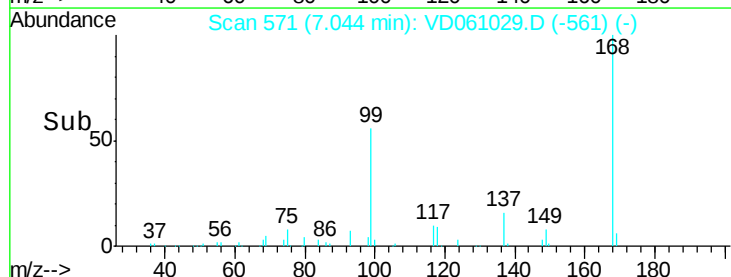


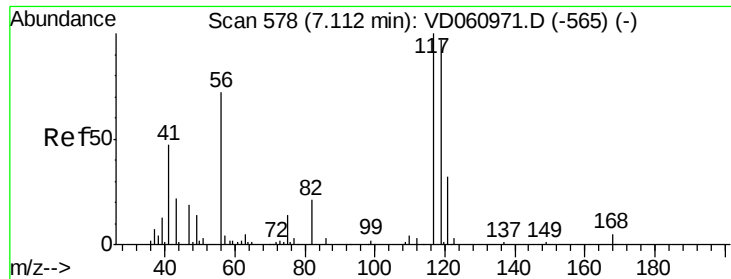
#36  
1,1-Dichloropropene  
Concen: 4.962 ug/l  
RT: 7.04 min Scan# 571  
Delta R.T. -0.10 min  
Lab File: VD061029.D  
Acq: 12 Mar 2019 17:31

Tgt Ion: 75 Resp: 44211  
Ion Ratio Lower Upper  
75 100  
110 6.9 19.7 59.1#  
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.860 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061029.D

Acq: 12 Mar 2019 17:31

Instrument :

MSVOA\_D

ClientSampleId :

TP-28

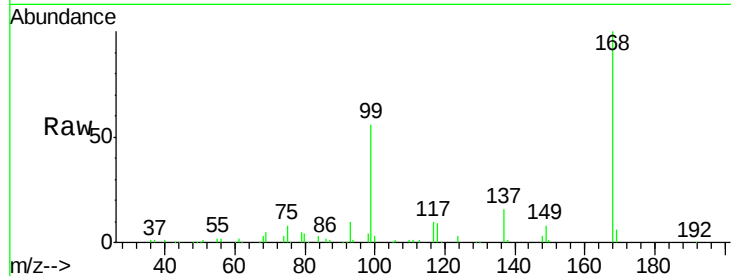
Tot Ion:117 Resp: 57514

Ion Ratio Lower Upper

117 100

119 4.2 77.8 116.8#

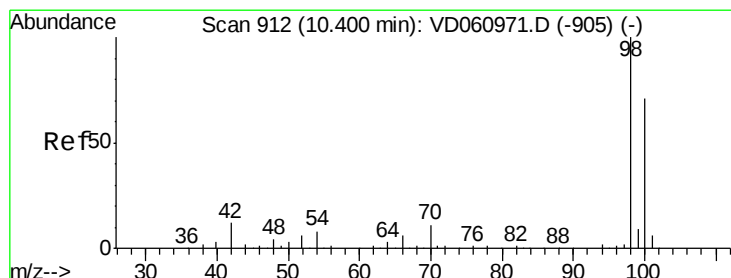
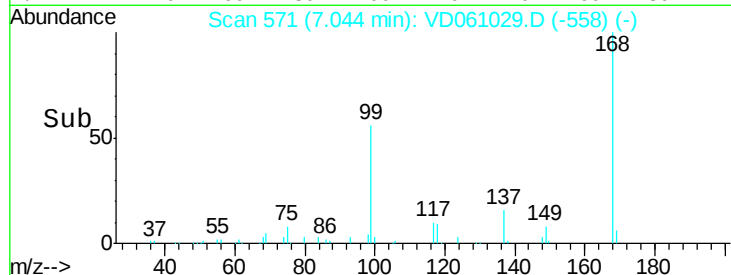
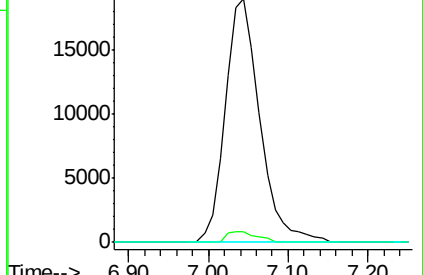
121 0.0 25.3 37.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061029.D

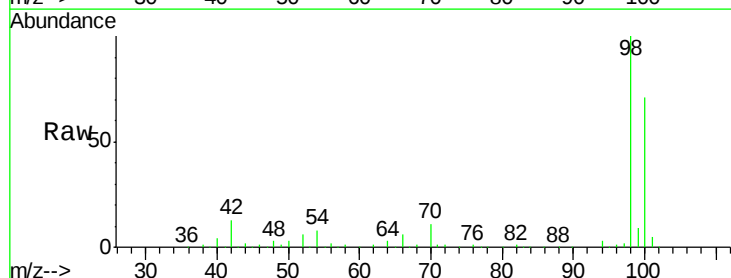
Acq: 12 Mar 2019 17:31

Tgt Ion: 98 Resp: 1119839

Ion Ratio Lower Upper

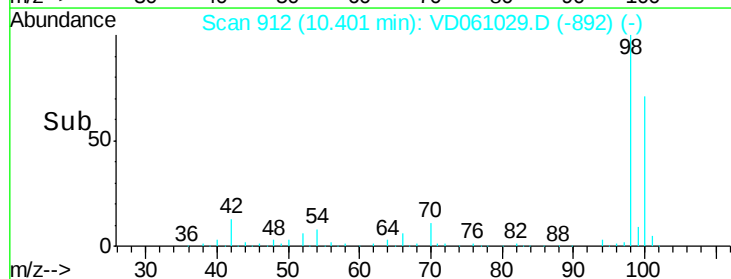
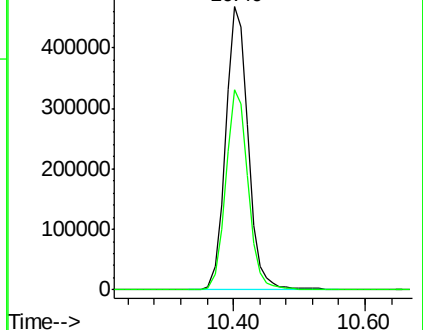
98 100

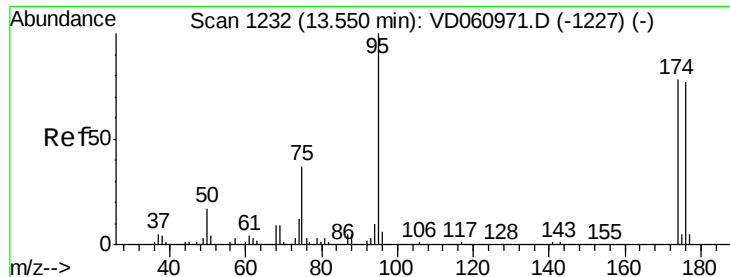
100 70.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061029.D

Acq: 12 Mar 2019 17:31

Instrument :

MSVOA\_D

ClientSampleId :

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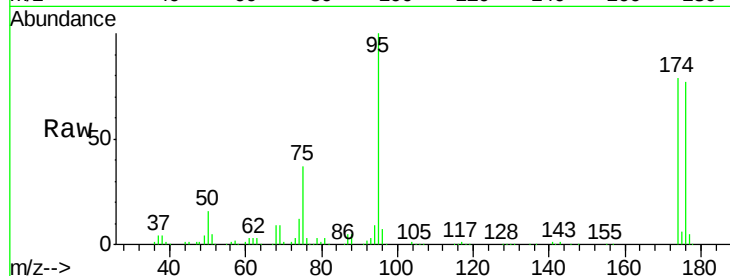
Tot Ion: 95 Resp: 420221

Ion Ratio Lower Upper

95 100

174 78.7 0.0 155.6

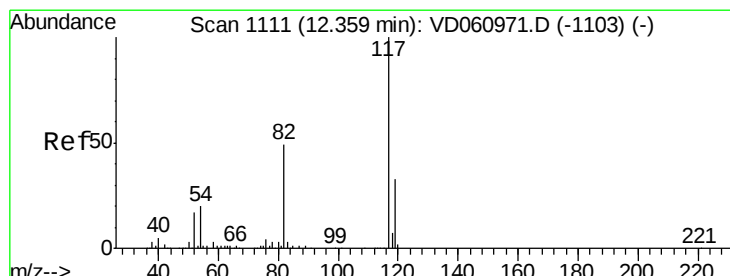
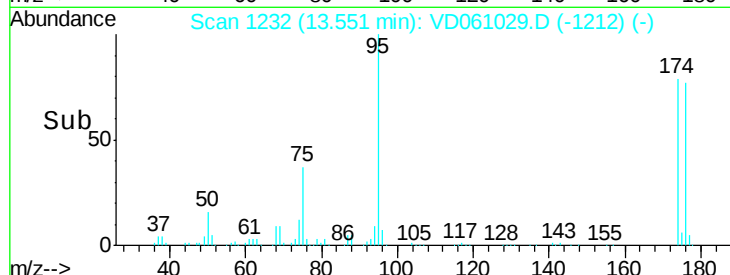
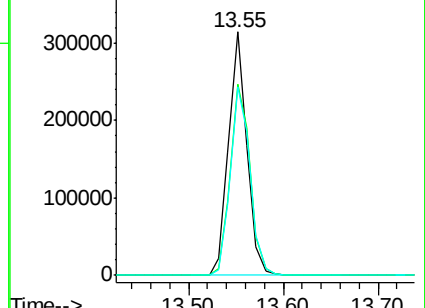
176 77.3 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061029.D

Acq: 12 Mar 2019 17:31

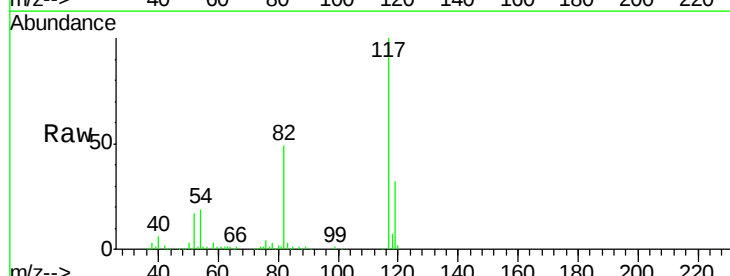
Tgt Ion: 117 Resp: 857332

Ion Ratio Lower Upper

117 100

82 48.6 38.9 58.3

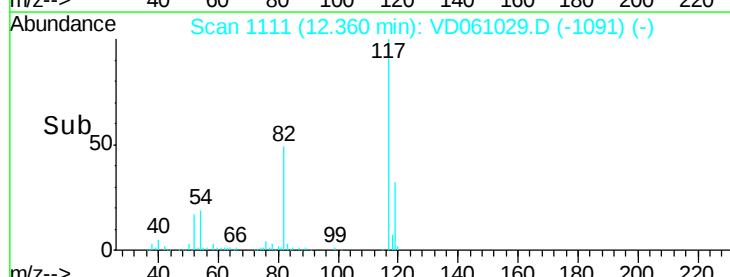
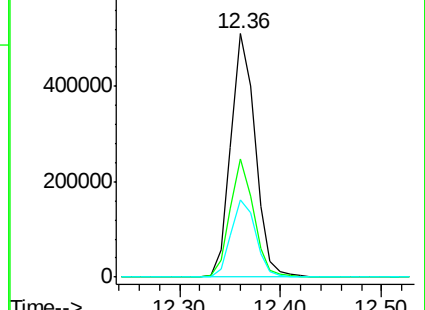
119 31.7 26.6 39.8

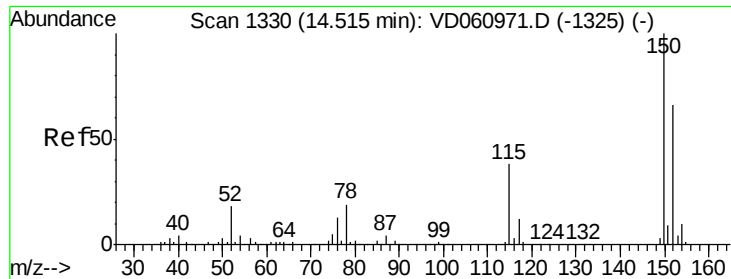


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD061029.D

Acq: 12 Mar 2019 17:31

Instrument :

MSVOA\_D

ClientSampleId :

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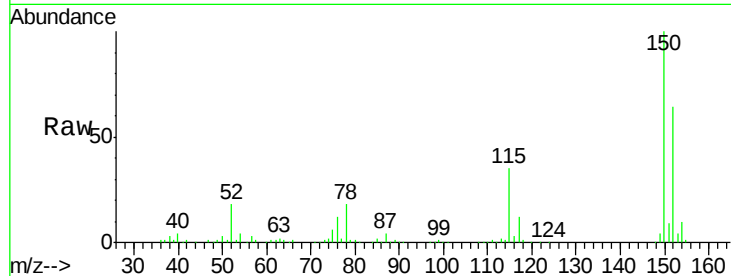
Tot Ion:152 Resp: 376905

Ion Ratio Lower Upper

152 100

115 55.8 28.6 85.9

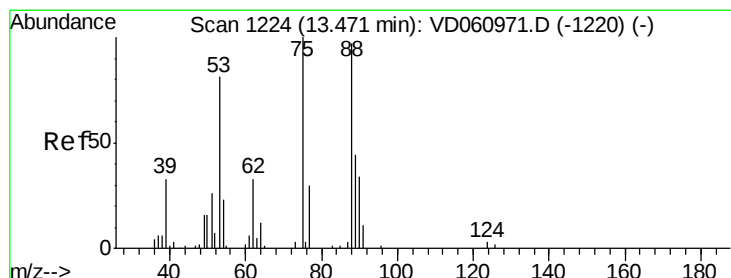
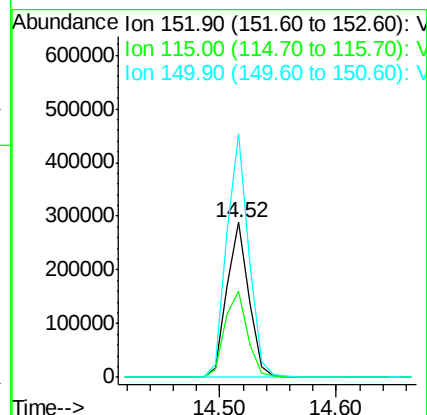
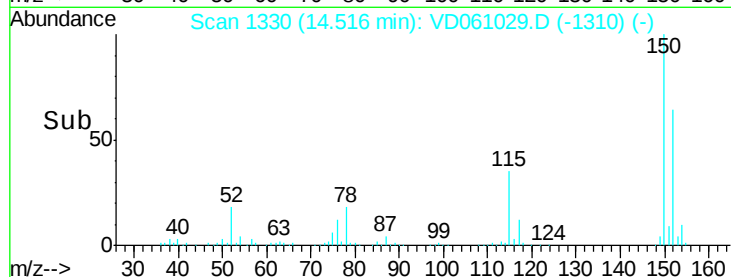
150 157.4 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 95.141 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061029.D

Acq: 12 Mar 2019 17:31

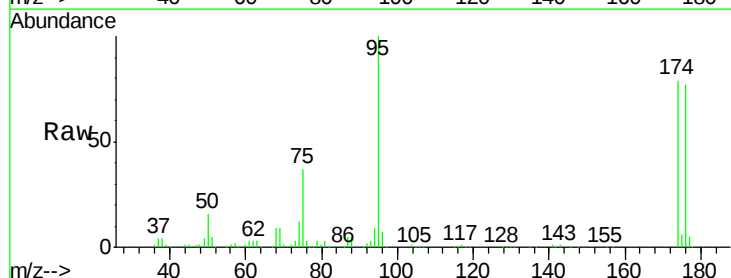
Tgt Ion: 75 Resp: 152098

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

