

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\  
 Data File : VD062832.D  
 Acq On : 24 Jun 2019 11:23  
 Operator : VA/AP  
 Sample : VD0624SBL01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0624SBL01

Quant Time: Jun 25 05:01:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 01:50:56 2019  
 Response via : Initial Calibration

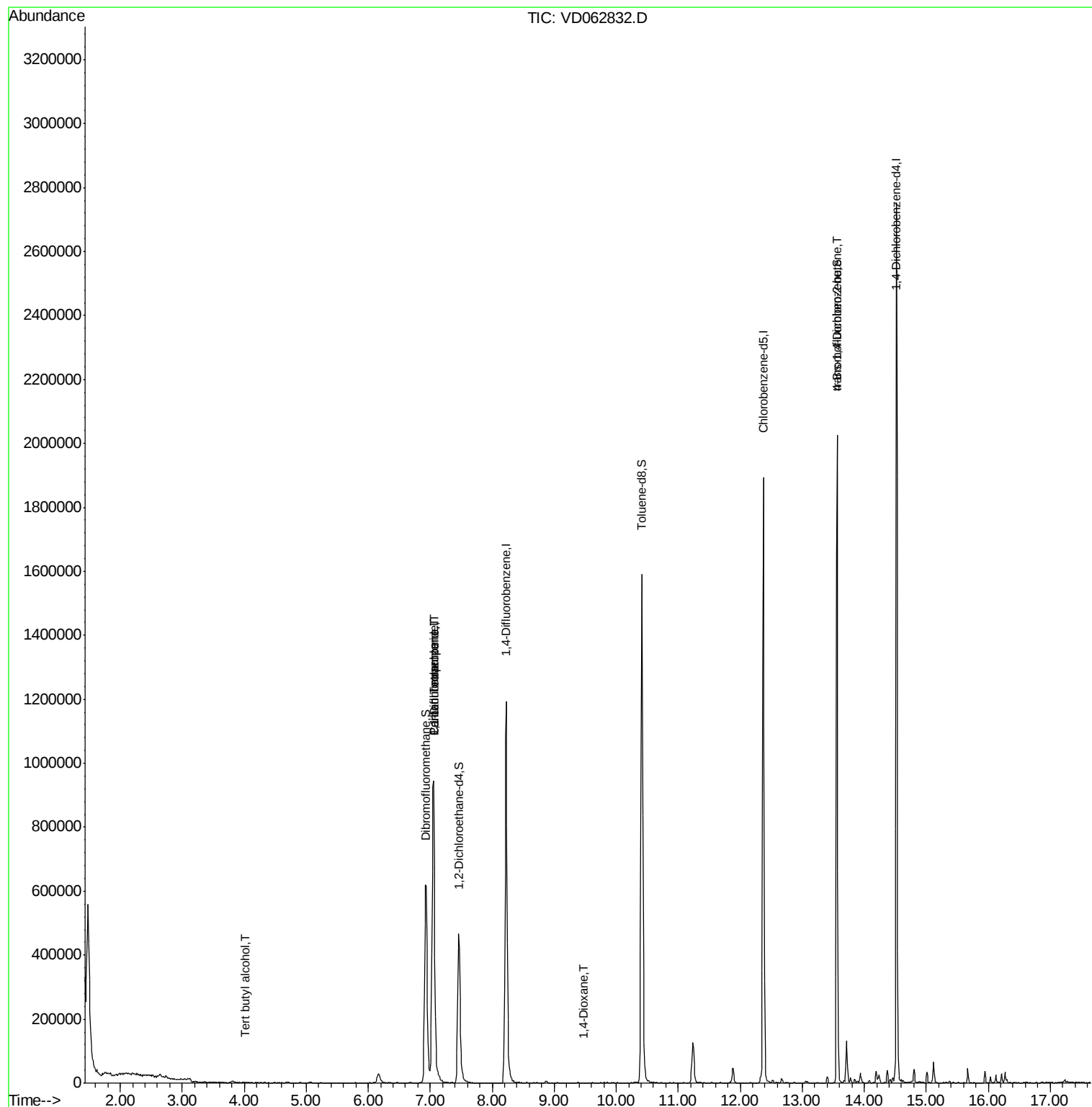
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.05  | 168  | 922390   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.23  | 114  | 1226653  | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 12.37 | 117  | 983748   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 14.52 | 152  | 572953   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 7.46  | 65   | 570647   | 56.92     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 113.84% |          |
| 35) Dibromofluoromethane       | 6.94  | 113  | 558549   | 54.00     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 108.00% |          |
| 50) Toluene-d8                 | 10.41 | 98   | 1277151  | 56.73     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 113.46% |          |
| 62) 4-Bromofluorobenzene       | 13.56 | 95   | 554423   | 54.16     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 108.32% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 11) Tert butyl alcohol         | 4.00  | 59   | 1664     | 3.644     | ug/l #  | 77       |
| 16) Acetone                    | 3.21  | 43   | 2698     | Below Cal | #       | 64       |
| 36) 1,1-Dichloropropene        | 7.04  | 75   | 70680    | 6.087     | ug/l #  | 55       |
| 37) Ethyl Acetate              | 6.18  | 43   | 3376     | Below Cal | #       | 69       |
| 38) Carbon Tetrachloride       | 7.04  | 117  | 96590    | 5.531     | ug/l #  | 13       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 220      | 6.112     | ug/l #  | 29       |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 269901   | 155.696   | ug/l #  | 2        |

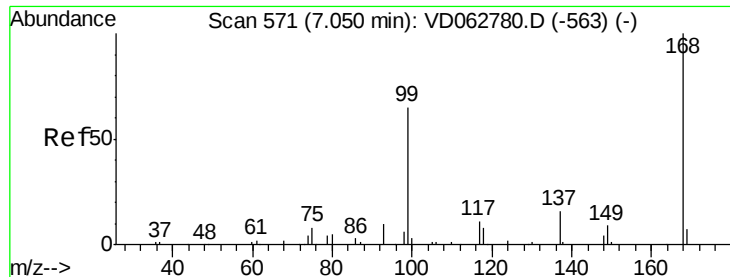
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\  
Data File : VD062832.D  
Acq On : 24 Jun 2019 11:23  
Operator : VA/AP  
Sample : VD0624SBL01  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0624SBL01

Quant Time: Jun 25 05:01:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 01:50:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

Instrument :

MSVOA\_D

ClientSampleId :

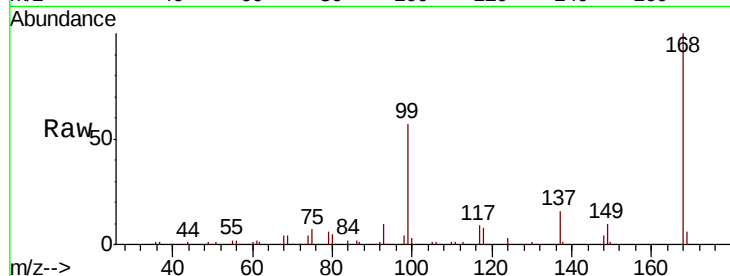
VD0624SBL01

Tot Ion:168 Resp: 922390

Ion Ratio Lower Upper

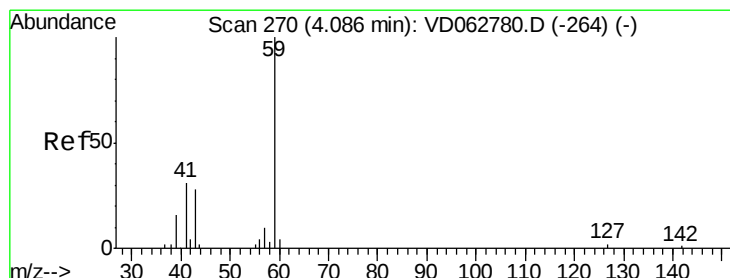
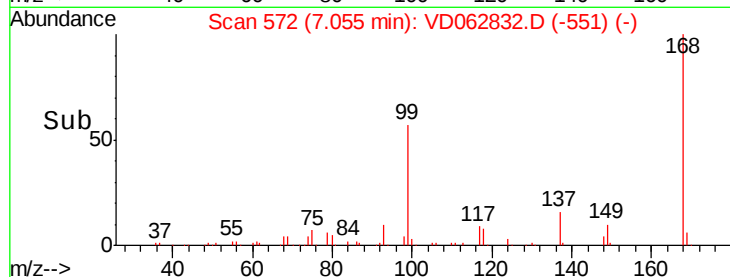
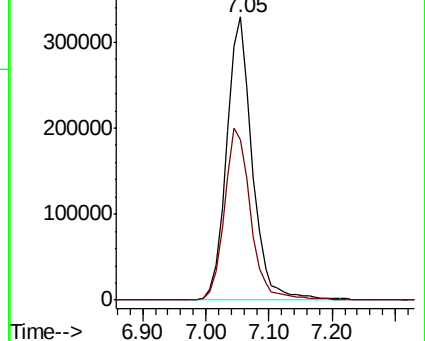
168 100

99 56.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.644 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.08 min

Lab File: VD062832.D

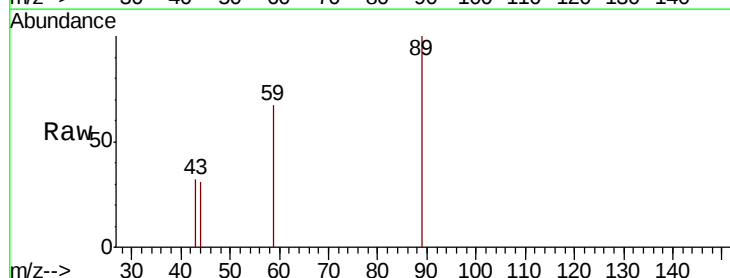
Acq: 24 Jun 2019 11:23

Tgt Ion: 59 Resp: 1664

Ion Ratio Lower Upper

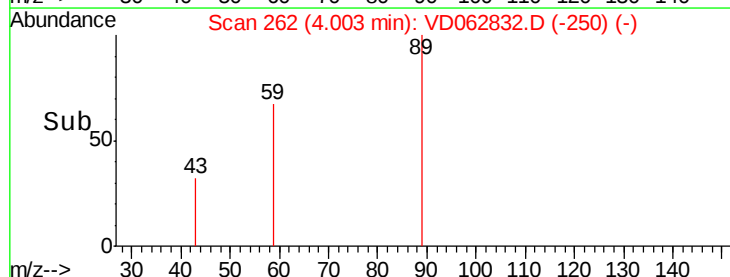
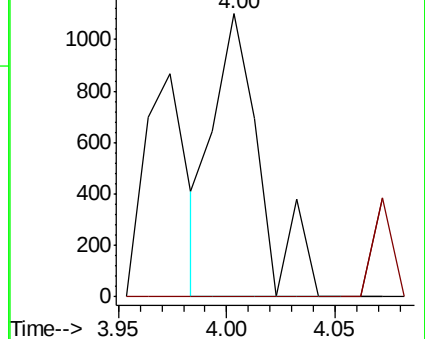
59 100

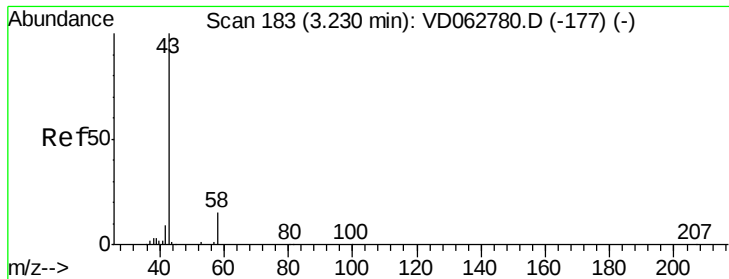
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

Instrument :

MSVOA\_D

ClientSampleId :

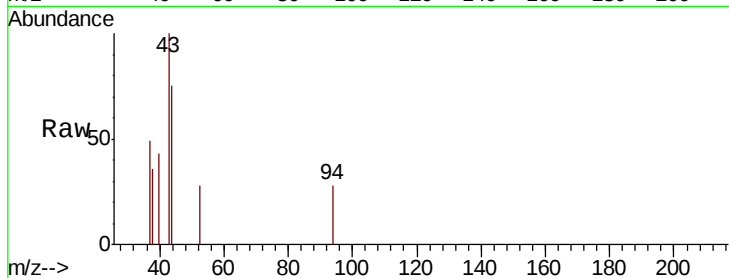
VD0624SBL01

Tot Ion: 43 Resp: 2698

Ion Ratio Lower Upper

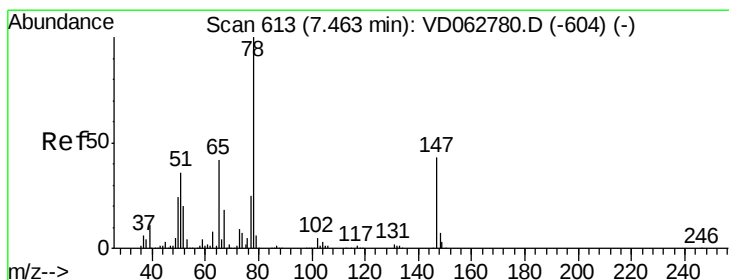
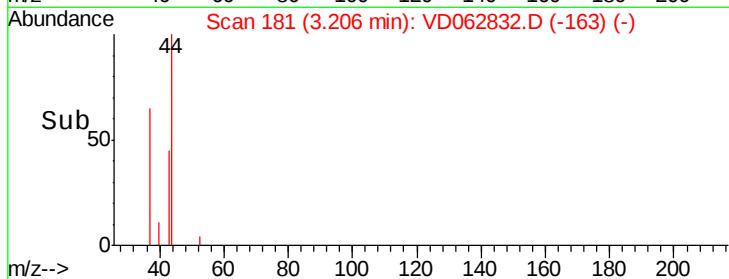
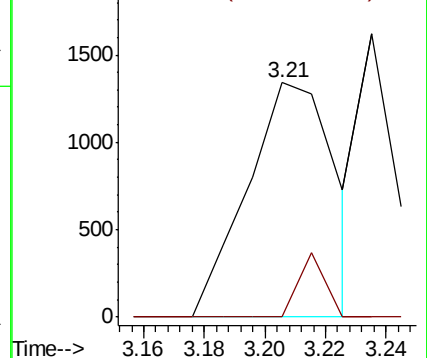
43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 56.915 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062832.D

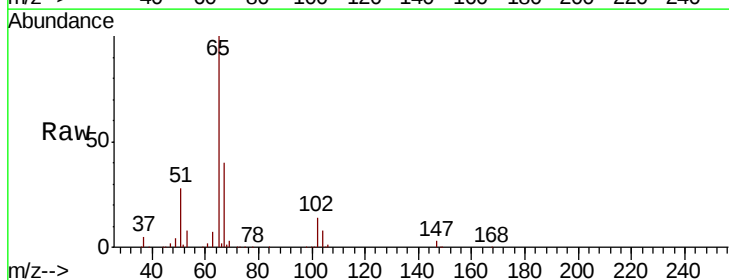
Acq: 24 Jun 2019 11:23

Tgt Ion: 65 Resp: 570647

Ion Ratio Lower Upper

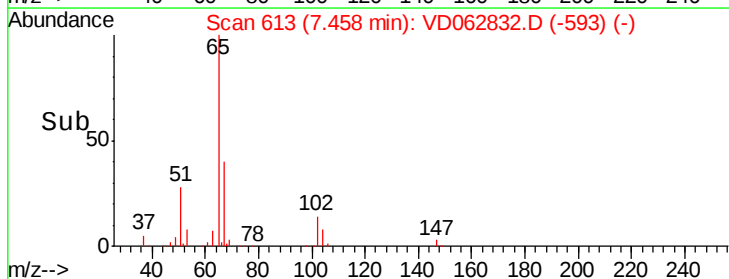
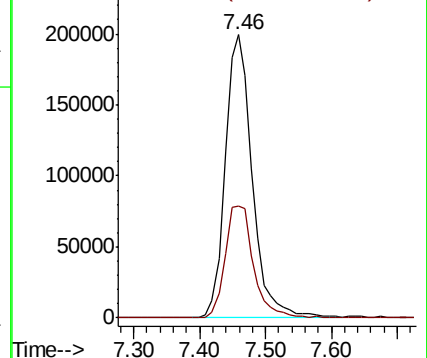
65 100

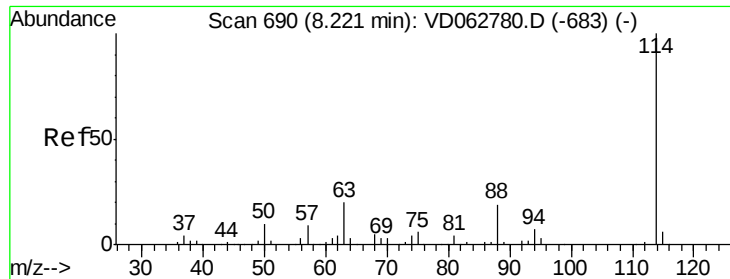
67 39.6 0.0 87.4



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

Instrument :

MSVOA\_D

ClientSampleId :

VD0624SBL01

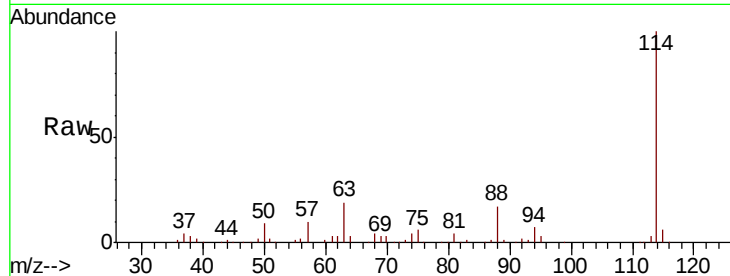
Tot Ion:114 Resp: 1226653

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 17.4 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

600000

400000

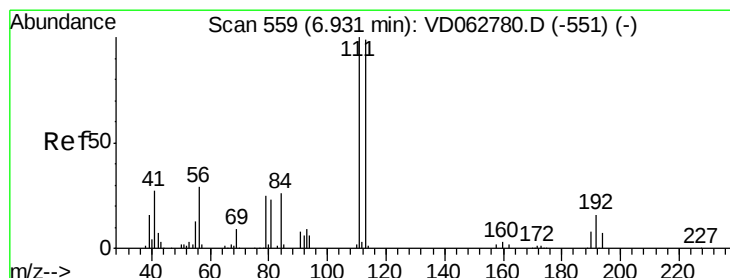
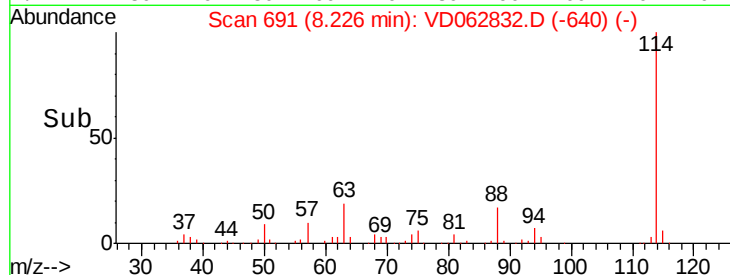
200000

0

8.23

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 54.002 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

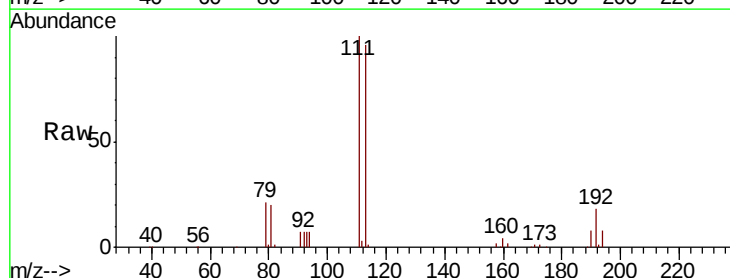
Tgt Ion:113 Resp: 558549

Ion Ratio Lower Upper

113 100

111 104.4 81.2 121.8

192 19.2 12.9 19.3



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

250000

200000

150000

100000

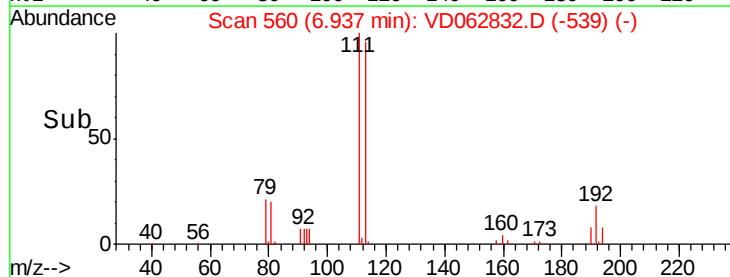
50000

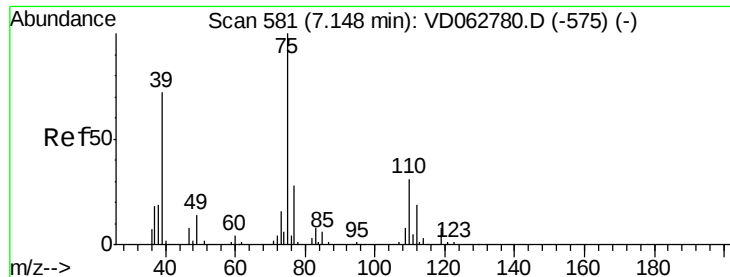
0

6.94

6.80 6.90 7.00 7.10

Time-->

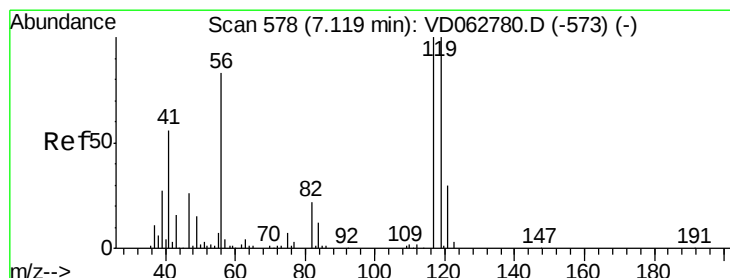
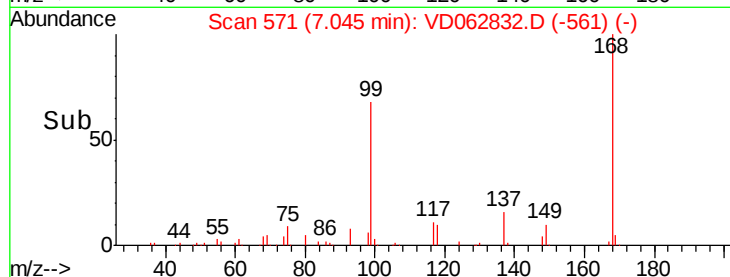
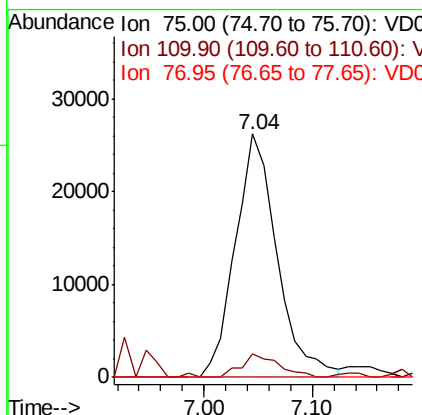
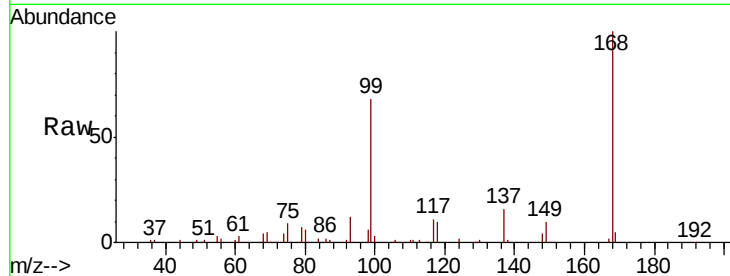




#36  
 1,1-Dichloropropene  
 Concen: 6.087 ug/l  
 RT: 7.04 min Scan# 571  
 Delta R.T. -0.10 min  
 Lab File: VD062832.D  
 Acq: 24 Jun 2019 11:23

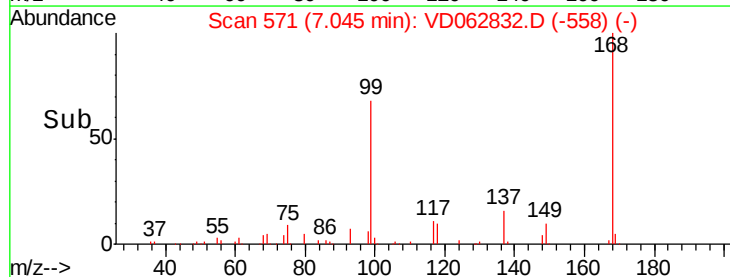
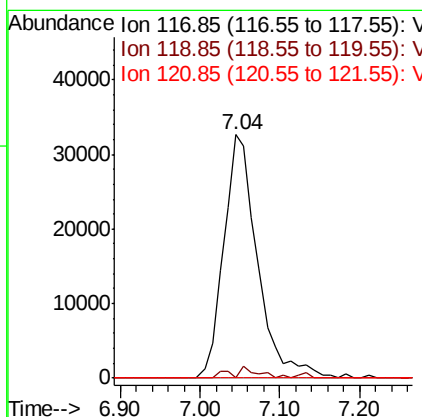
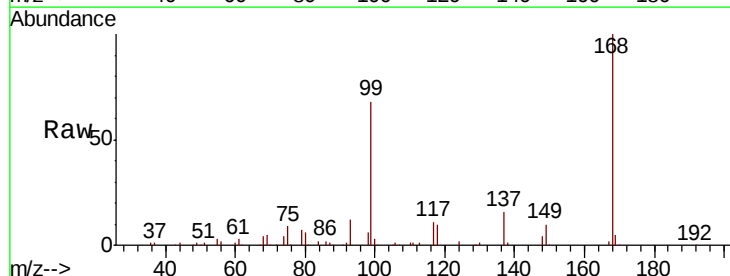
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0624SBL01

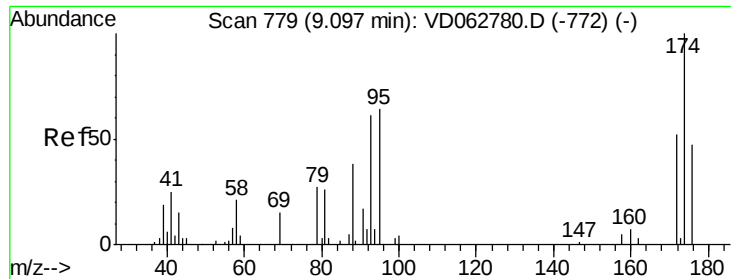
| Tot Ion   | 75    | Resp  | 70680 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 9.8   | 15.0  | 45.1# |
| 77        | 0.0   | 22.2  | 33.2# |



#38  
 Carbon Tetrachloride  
 Concen: 5.531 ug/l  
 RT: 7.04 min Scan# 571  
 Delta R.T. -0.07 min  
 Lab File: VD062832.D  
 Acq: 24 Jun 2019 11:23

| Tgt Ion   | 117   | Resp  | 96590  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 0.0   | 75.4  | 113.2# |
| 121       | 0.0   | 22.3  | 33.5#  |

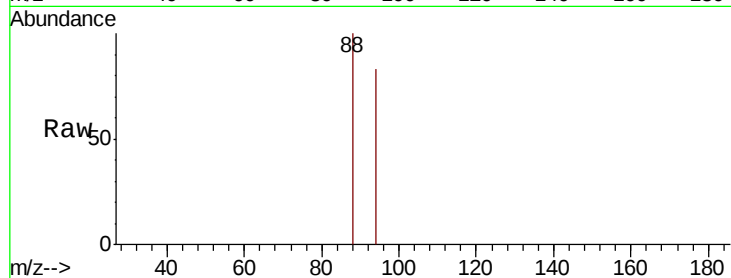




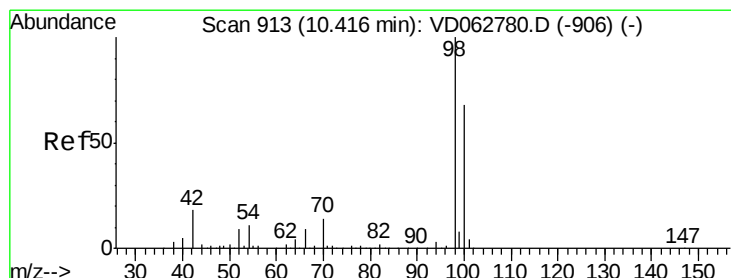
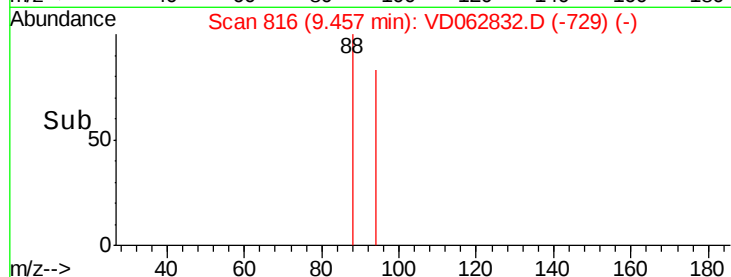
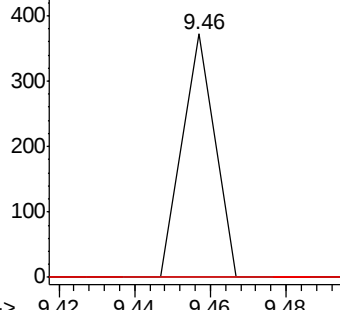
#49  
 1,4-Dioxane  
 Concen: 6.112 ug/l  
 RT: 9.46 min Scan# 816  
 Delta R.T. 0.36 min  
 Lab File: VD062832.D  
 Acq: 24 Jun 2019 11:23

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0624SBL01

Tot Ion: 88 Resp: 220  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 32.1 48.1#  
 58 0.0 44.1 66.1#

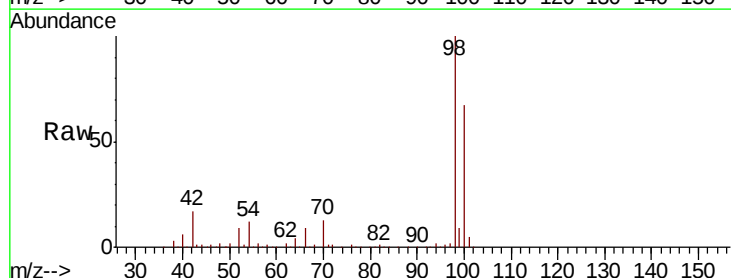


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

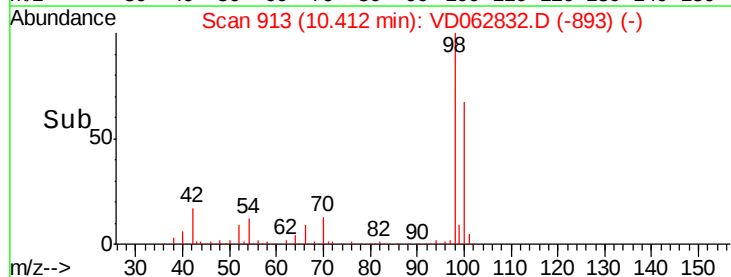
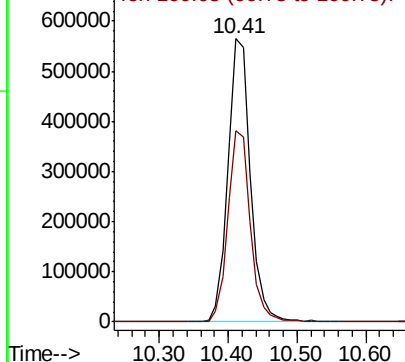


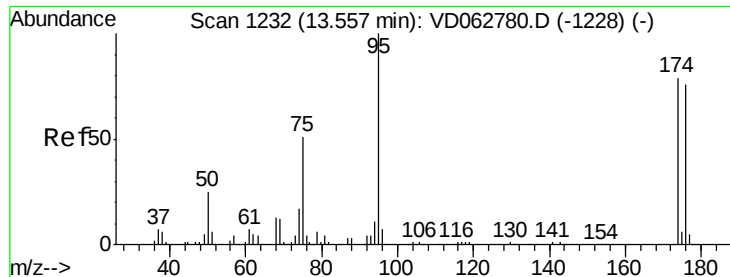
#50  
 Toluene-d8  
 Concen: 56.734 ug/l  
 RT: 10.41 min Scan# 913  
 Delta R.T. -0.00 min  
 Lab File: VD062832.D  
 Acq: 24 Jun 2019 11:23

Tgt Ion: 98 Resp: 1277151  
 Ion Ratio Lower Upper  
 98 100  
 100 67.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC  
 Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 54.164 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

Instrument :

MSVOA\_D

ClientSampleId :

VD0624SBL01

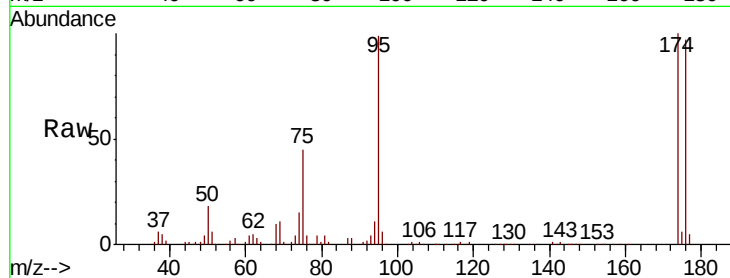
Tot Ion: 95 Resp: 554423

Ion Ratio Lower Upper

95 100

174 101.0 0.0 158.0

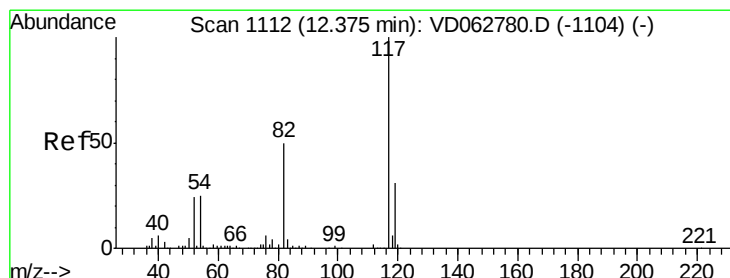
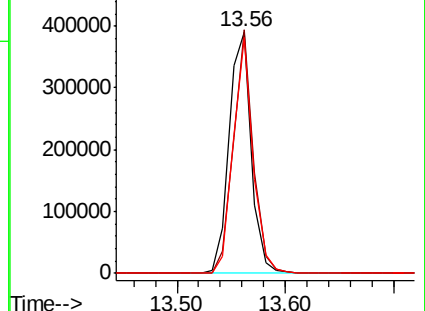
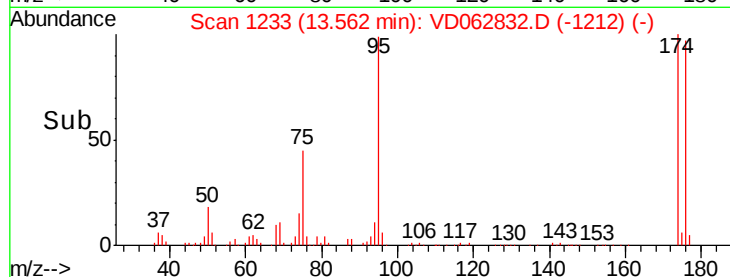
176 97.6 0.0 151.6



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. -0.00 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

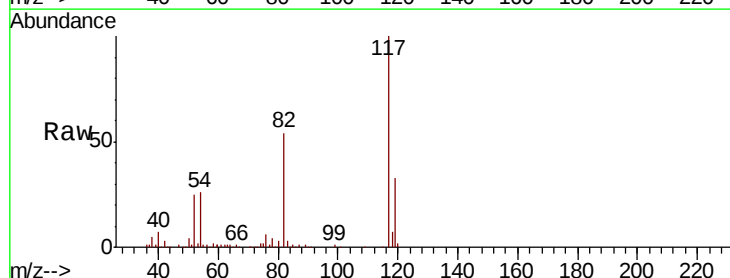
Tgt Ion: 117 Resp: 983748

Ion Ratio Lower Upper

117 100

82 54.2 40.4 60.6

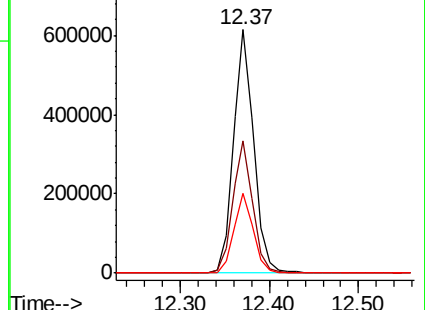
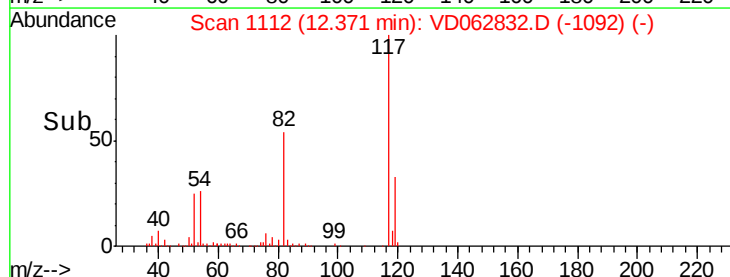
119 32.9 25.2 37.8

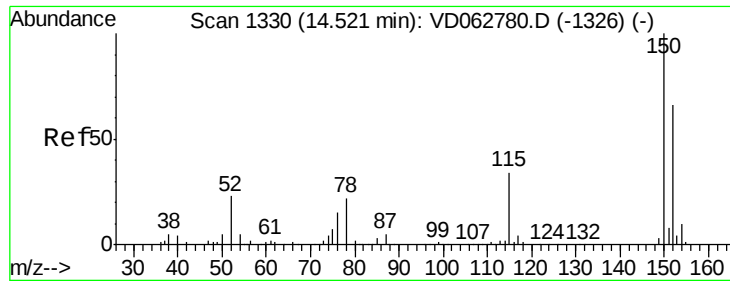


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062832.D

Acq: 24 Jun 2019 11:23

Instrument :

MSVOA\_D

ClientSampleId :

VD0624SBL01

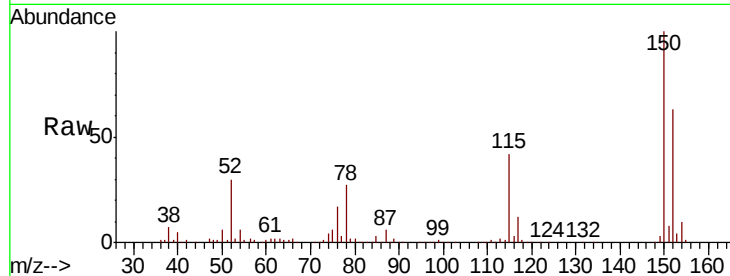
Tot Ion:152 Resp: 572953

Ion Ratio Lower Upper

152 100

115 66.9 29.2 87.6

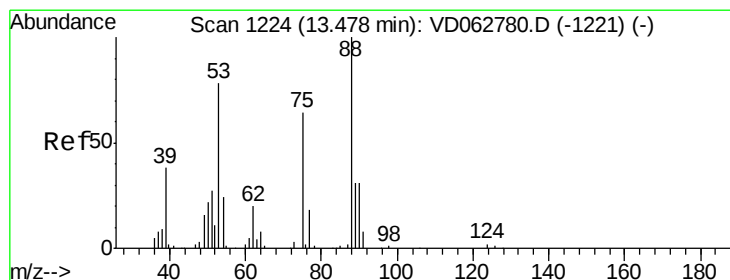
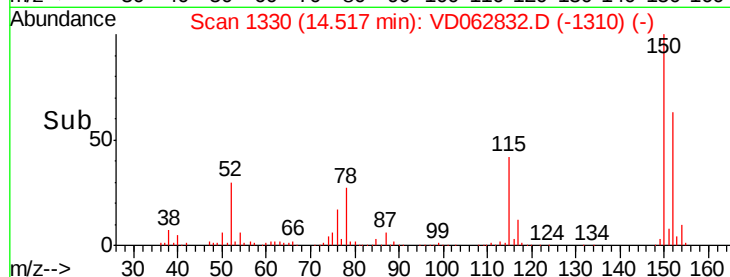
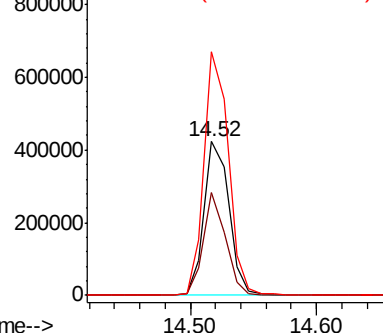
150 158.2 0.0 305.8



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: 155.696 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062832.D

Acq: 24 Jun 2019 11:23

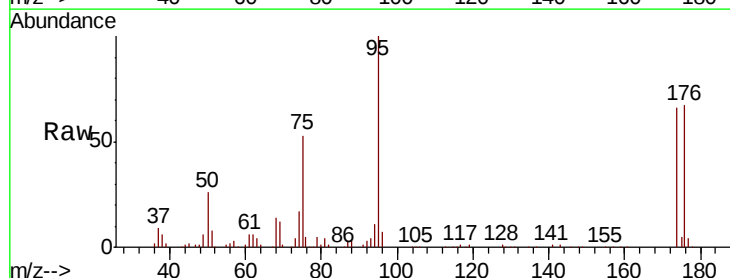
Tgt Ion: 75 Resp: 269901

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

