

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\  
 Data File : VD066136.D  
 Acq On : 06 Aug 2020 15:59  
 Operator : VA/SY  
 Sample : L3553-01  
 Misc : 7.03G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JB-1-(3-4)

Quant Time: Aug 07 01:27:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

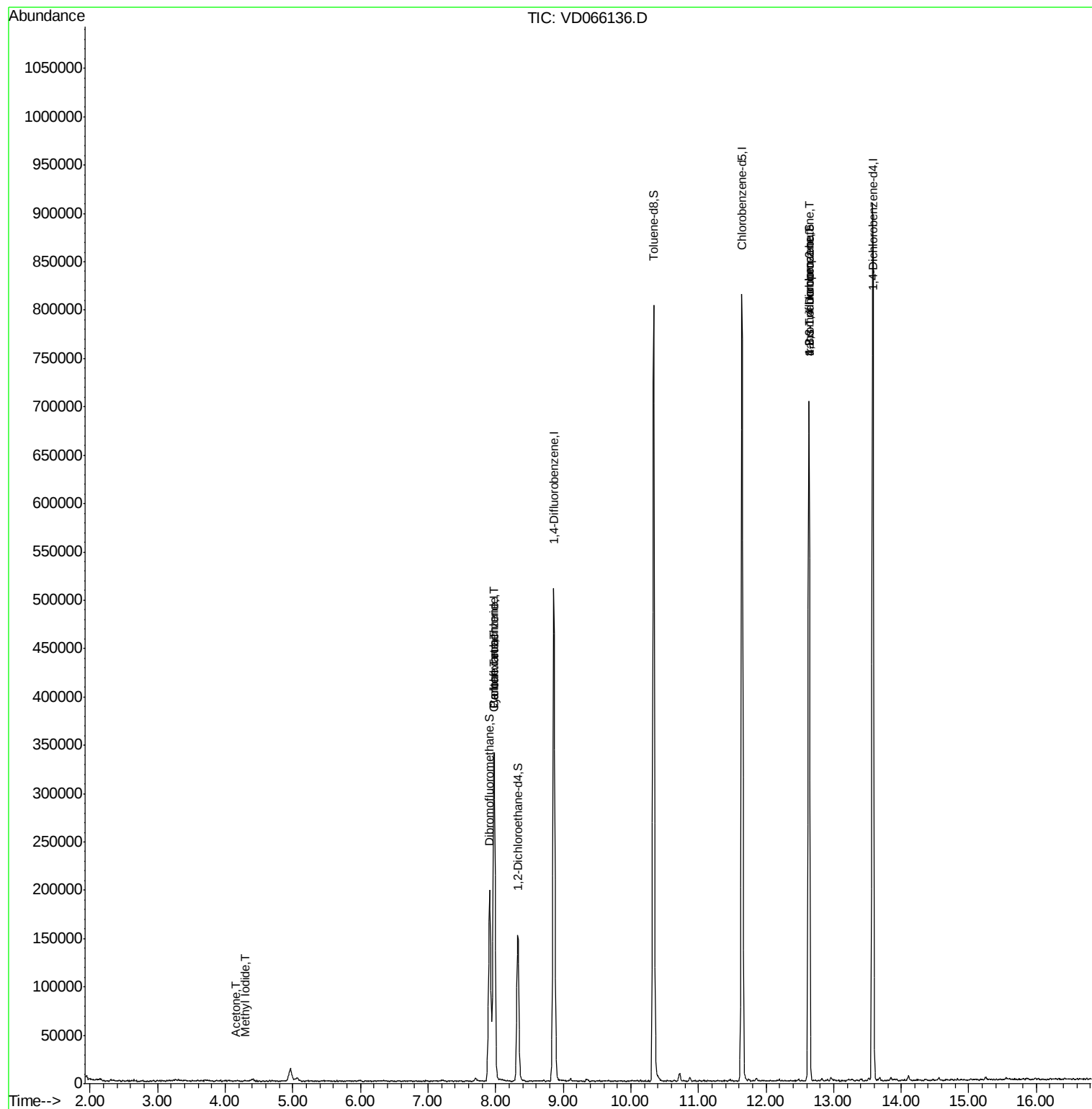
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.98   | 168  | 273385   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.86   | 114  | 449811   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.64  | 117  | 487036   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.58  | 152  | 256448   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.33   | 65   | 121076   | 49.64     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 99.28%  |          |
| 35) Dibromofluoromethane       | 7.91   | 113  | 139963   | 49.12     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 98.24%  |          |
| 50) Toluene-d8                 | 10.34  | 98   | 547706   | 52.09     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 104.18% |          |
| 62) 4-Bromofluorobenzene       | 12.64  | 95   | 229276   | 60.49     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 120.98% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 10) Methyl Iodide              | 4.30   | 142  | 509      | 6.900     | ug/l #  | 53       |
| 16) Acetone                    | 4.17   | 43   | 876      | 1.893     | ug/l #  | 44       |
| 20) Methylene Chloride         | 4.96   | 84   | 10238    | Below Cal |         | 93       |
| 31) Cyclohexane                | 7.97   | 56   | 6033     | 1.412     | ug/l #  | 44       |
| 38) Carbon Tetrachloride       | 7.97   | 117  | 26342    | 5.588     | ug/l #  | 13       |
| 76) 1,2,3-Trichloropropane     | 12.64  | 75   | 112389   | 52.553    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.64  | 75   | 112389   | 116.171   | ug/l #  | 13       |

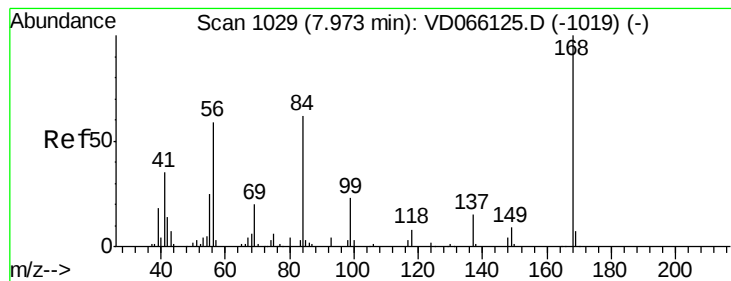
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080620\  
Data File : VD066136.D  
Acq On : 06 Aug 2020 15:59  
Operator : VA/SY  
Sample : L3553-01  
Misc : 7.03G/5.00ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
JB-1-(3-4)

Quant Time: Aug 07 01:27:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066136.D

Acq: 06 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

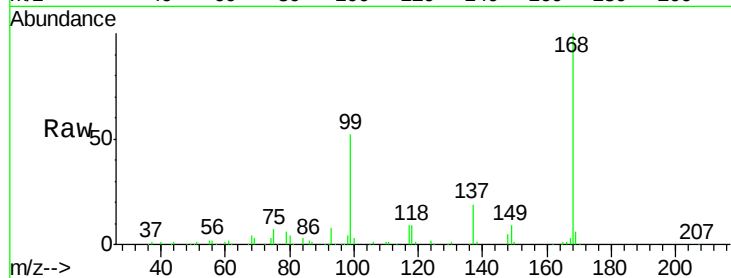
JB-1-(3-4)

Tot Ion:168 Resp: 273385

Ion Ratio Lower Upper

168 100

99 52.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

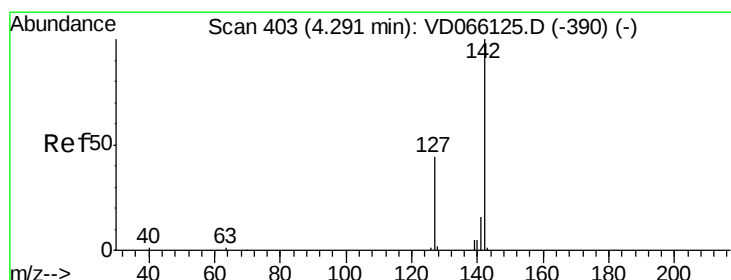
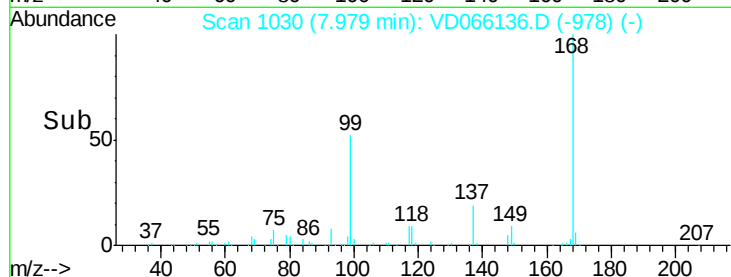
7.98

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 6.900 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066136.D

Acq: 06 Aug 2020 15:59

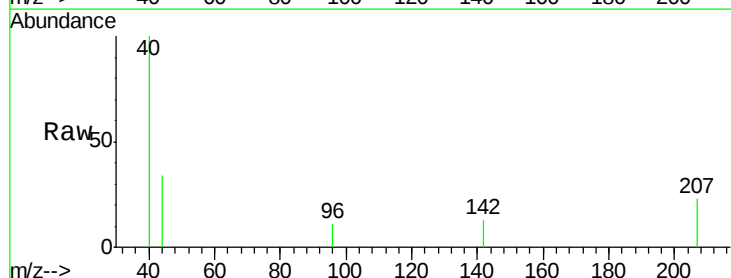
Tgt Ion:142 Resp: 509

Ion Ratio Lower Upper

142 100

127 12.4 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

300

250

200

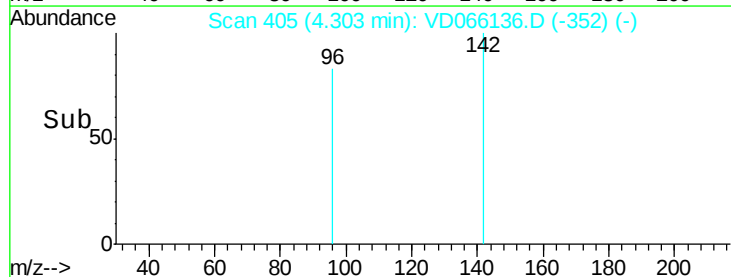
150

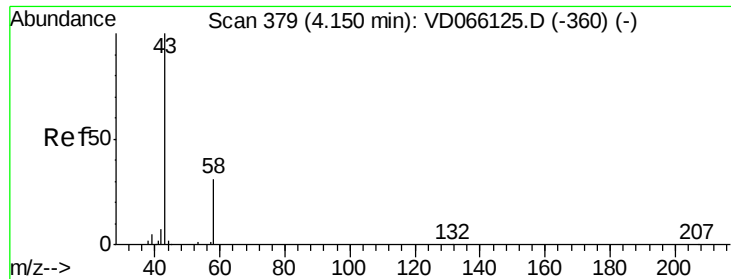
100

50

0

Time-->





#16

Acetone

Concen: 1.893 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066136.D

Acq: 06 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

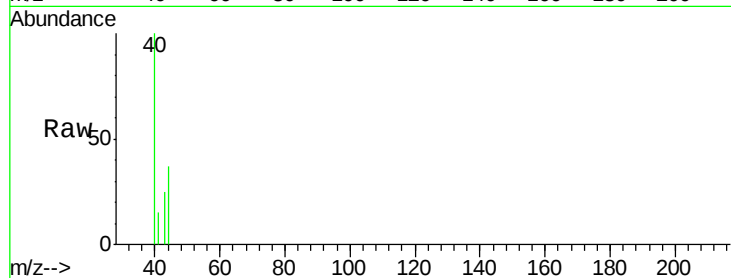
JB-1-(3-4)

Tot Ion: 43 Resp: 876

Ion Ratio Lower Upper

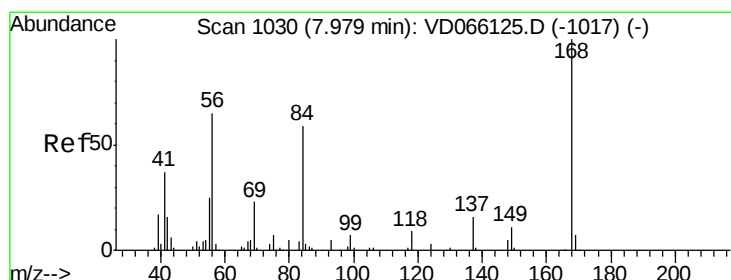
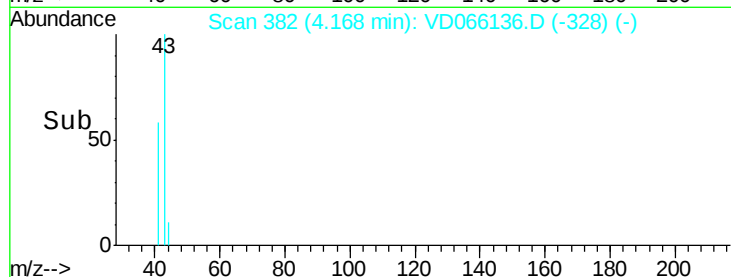
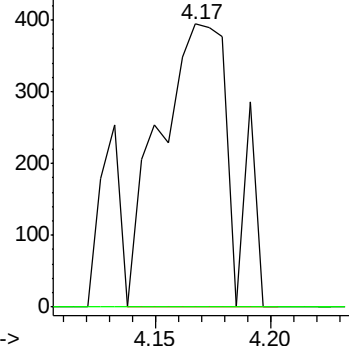
43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.412 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066136.D

Acq: 06 Aug 2020 15:59

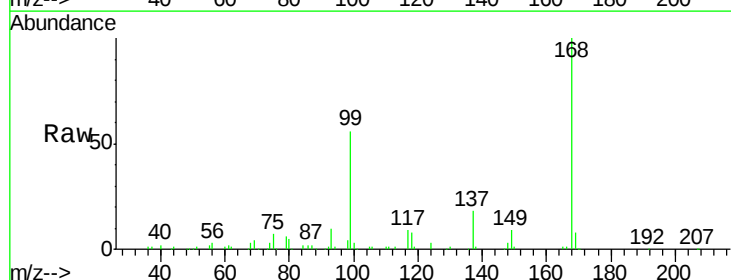
Tgt Ion: 56 Resp: 6033

Ion Ratio Lower Upper

56 100

69 152.1 28.8 43.2#

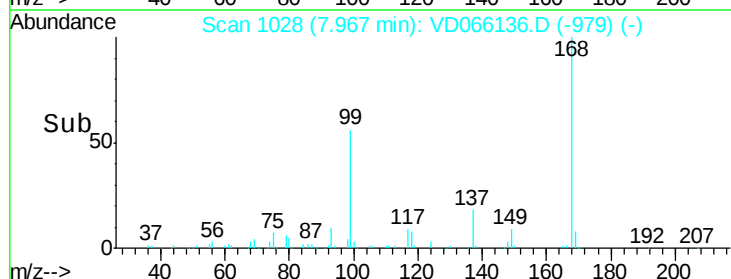
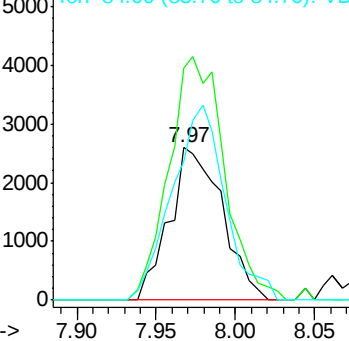
84 91.2 73.0 109.6

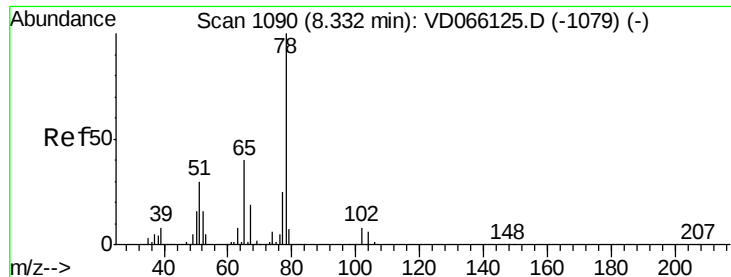


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

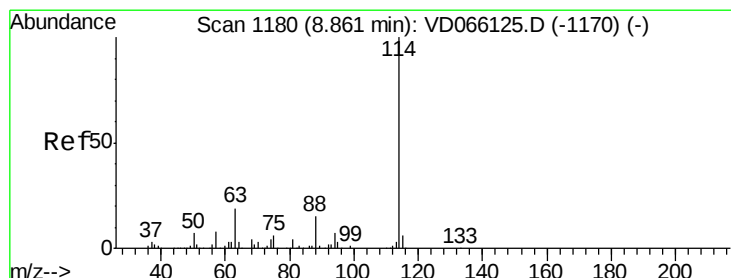
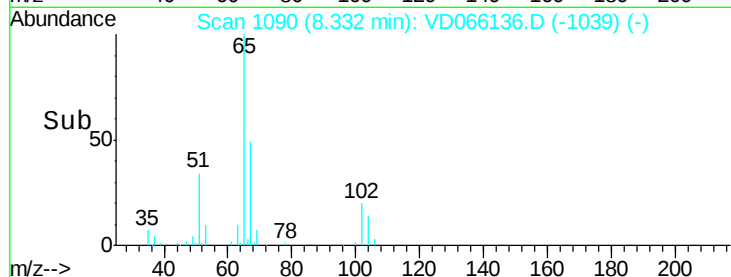
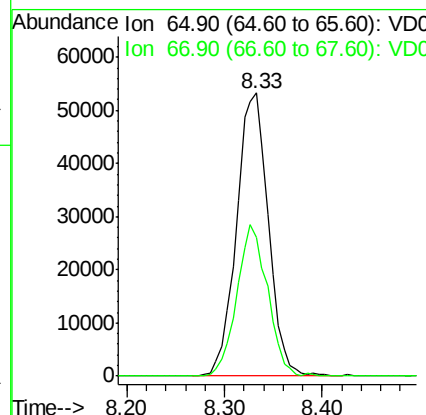
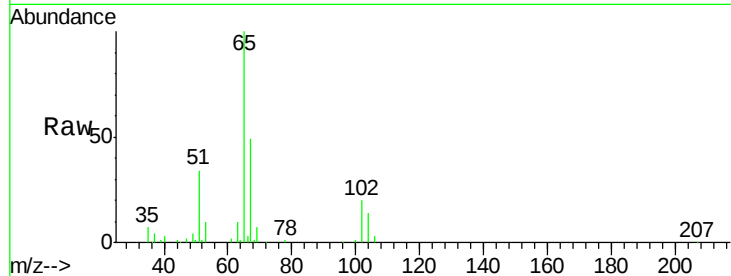




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.641 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD066136.D  
 Acq: 06 Aug 2020 15:59

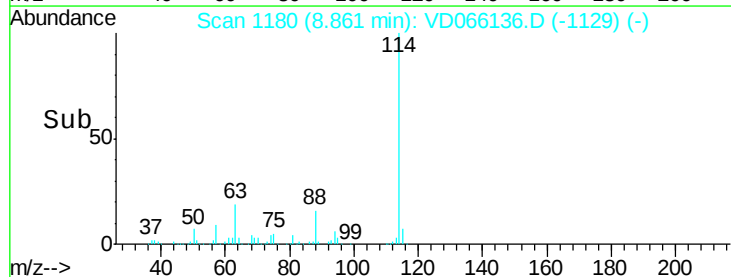
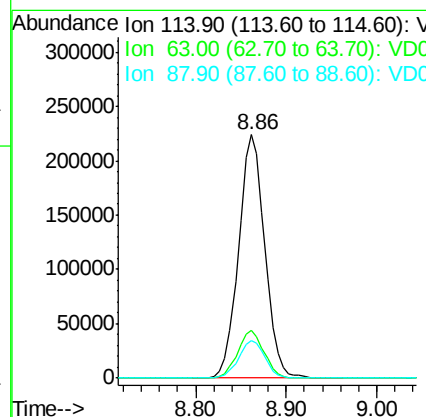
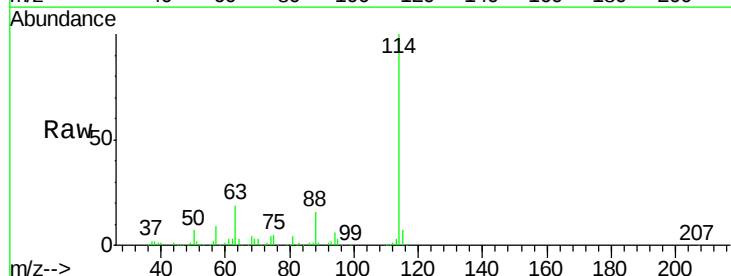
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JB-1-(3-4)

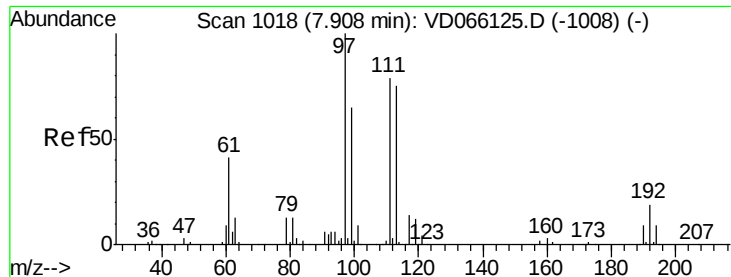
Tot Ion: 65 Resp: 121076  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066136.D  
 Acq: 06 Aug 2020 15:59

Tgt Ion: 114 Resp: 449811  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 38.6  
 88 15.6 0.0 30.0

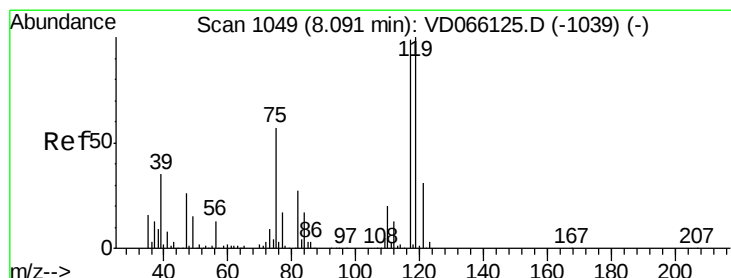
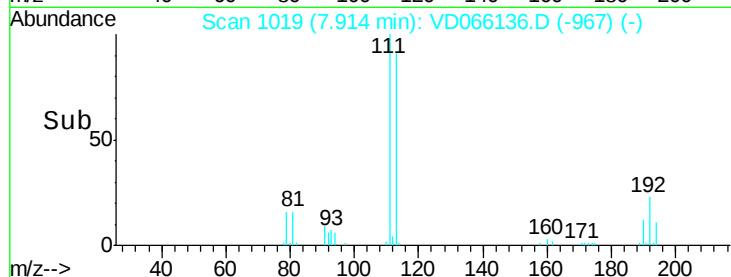
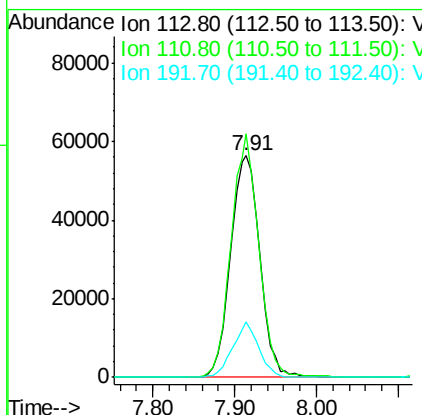
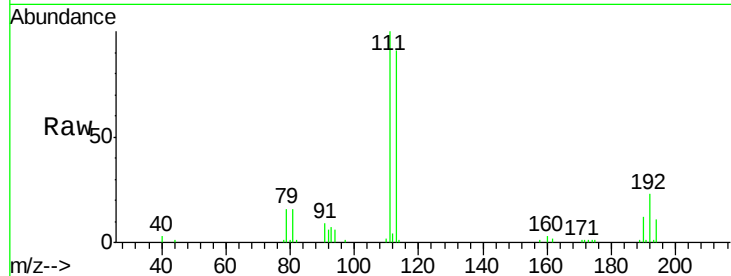




#35  
Dibromofluoromethane  
Concen: 49.118 ug/l  
RT: 7.91 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: VD066136.D  
Acq: 06 Aug 2020 15:59

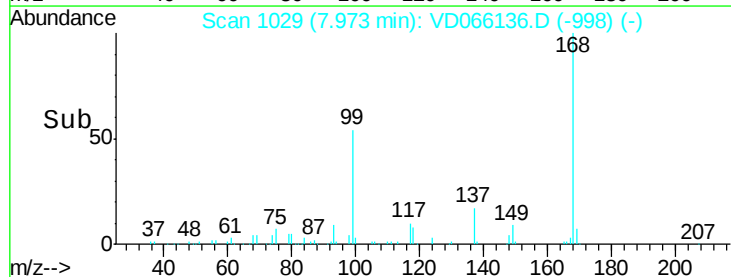
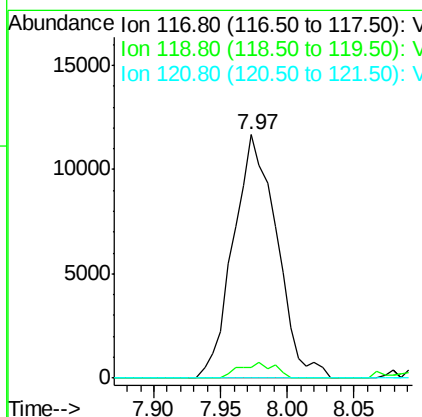
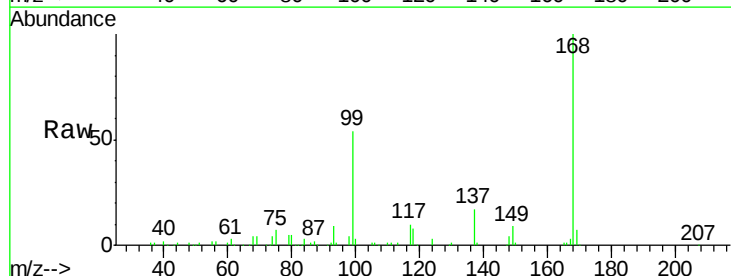
Instrument :  
MSVOA\_D  
ClientSampleId :  
JB-1-(3-4)

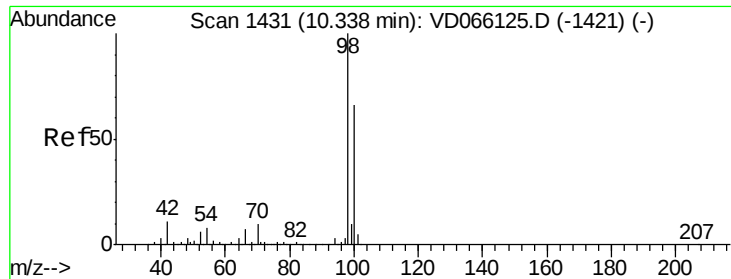
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.7 | 80.7  | 121.1 |
| 192     | 22.1  | 18.4  | 27.6  |



#38  
Carbon Tetrachloride  
Concen: 5.588 ug/l  
RT: 7.97 min Scan# 1029  
Delta R.T. -0.12 min  
Lab File: VD066136.D  
Acq: 06 Aug 2020 15:59

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 4.5   | 81.0  | 121.4# |
| 121     | 0.0   | 24.8  | 37.2#  |





#50

Toluene-d8

Concen: 52.086 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066136.D

Acq: 06 Aug 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

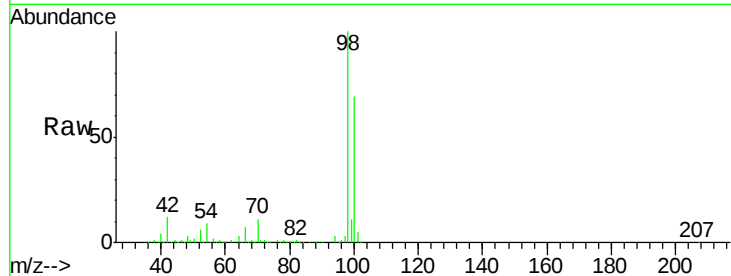
JB-1-(3-4)

Tot Ion: 98 Resp: 547706

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

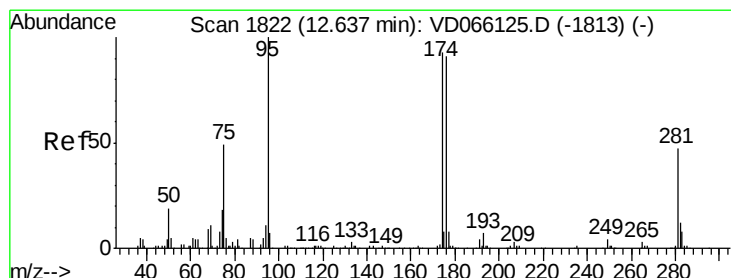
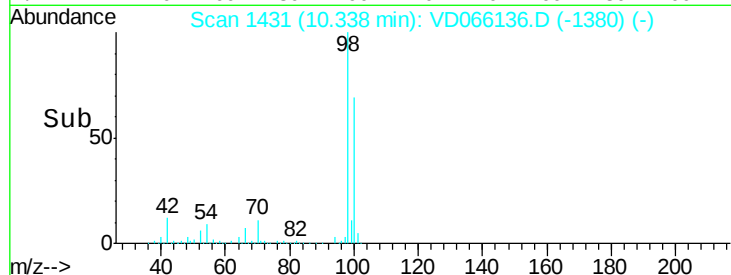
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 60.489 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066136.D

Acq: 06 Aug 2020 15:59

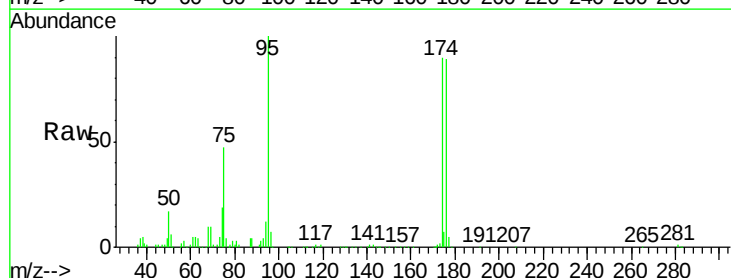
Tgt Ion: 95 Resp: 229276

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.8

176 86.9 0.0 181.2



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

12.64

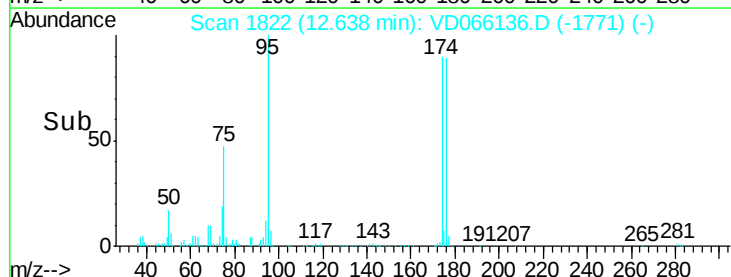
150000

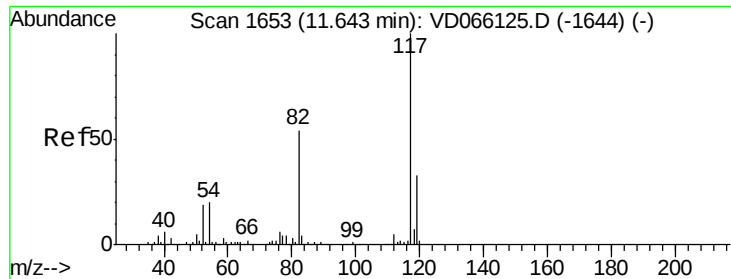
100000

50000

0

Time-->

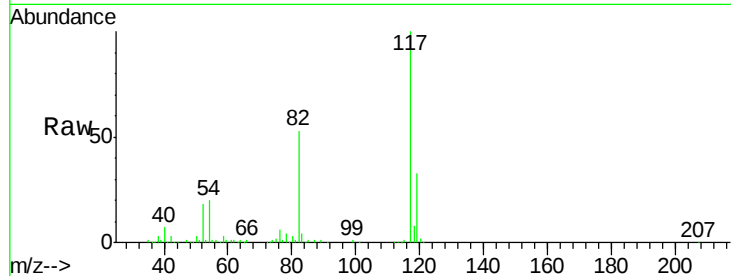




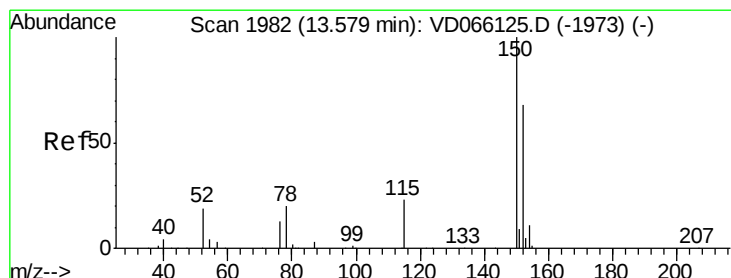
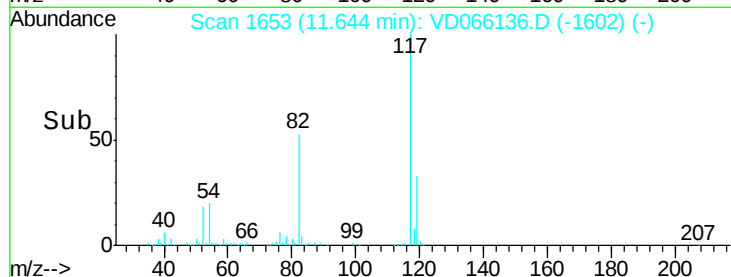
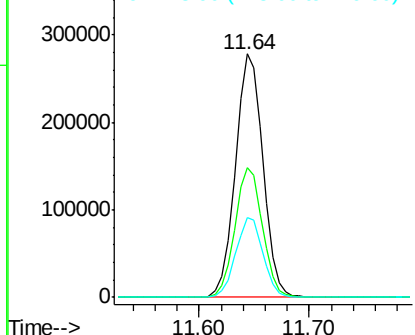
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066136.D  
Acq: 06 Aug 2020 15:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
JB-1-(3-4)

Tot Ion:117 Resp: 487036  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.0 64.4  
119 32.6 26.1 39.1

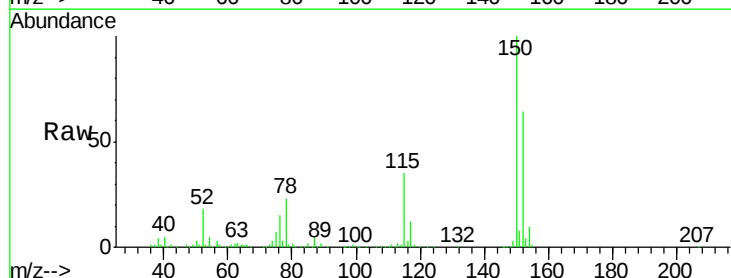


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

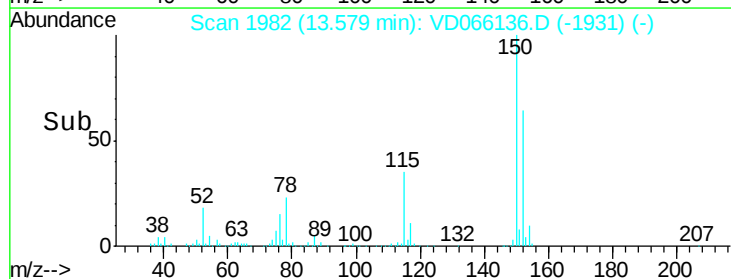
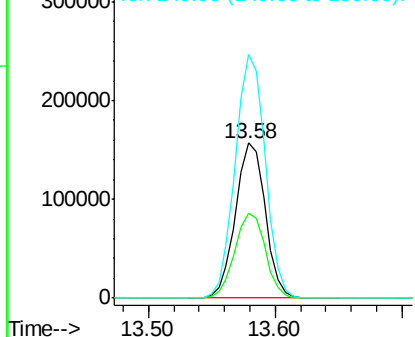


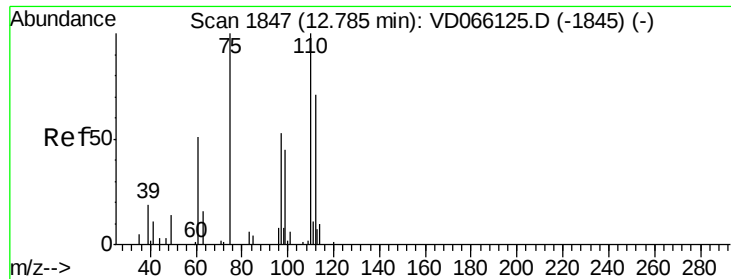
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066136.D  
Acq: 06 Aug 2020 15:59

Tgt Ion:152 Resp: 256448  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.0 83.9  
150 157.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

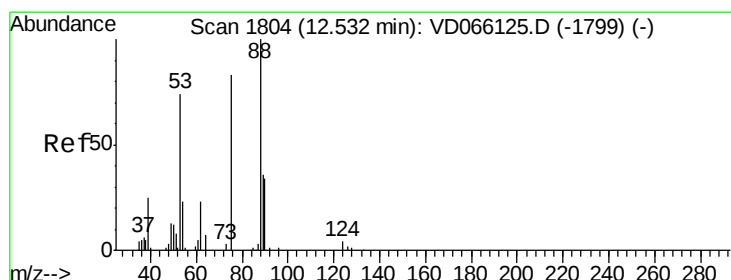
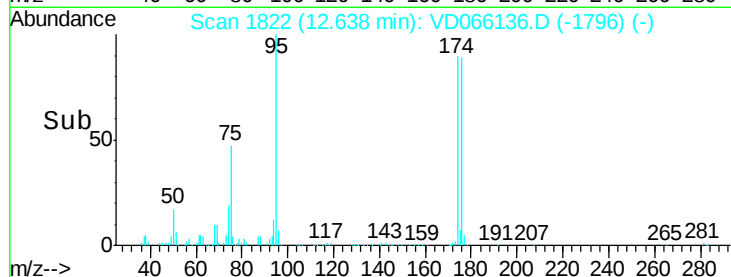
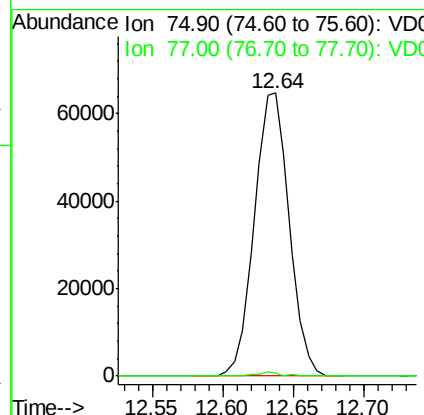
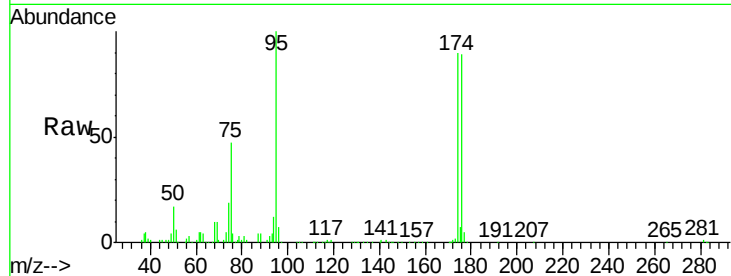




#76  
 1,2,3-Trichloropropane  
 Concen: 52.553 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.15 min  
 Lab File: VD066136.D  
 Acq: 06 Aug 2020 15:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JB-1-(3-4)

Tot Ion: 75 Resp: 112389  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 116.171 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.11 min  
 Lab File: VD066136.D  
 Acq: 06 Aug 2020 15:59

Tgt Ion: 75 Resp: 112389  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.4 110.2#  
 89 0.0 36.6 55.0#

