

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\  
 Data File : VD066481.D  
 Acq On : 31 Aug 2020 14:23  
 Operator : VA/SY  
 Sample : L3847-04  
 Misc : 4.47G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LINDEN-JOP-BH-08-B

Quant Time: Sep 01 01:47:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 13:36:12 2020  
 Response via : Initial Calibration

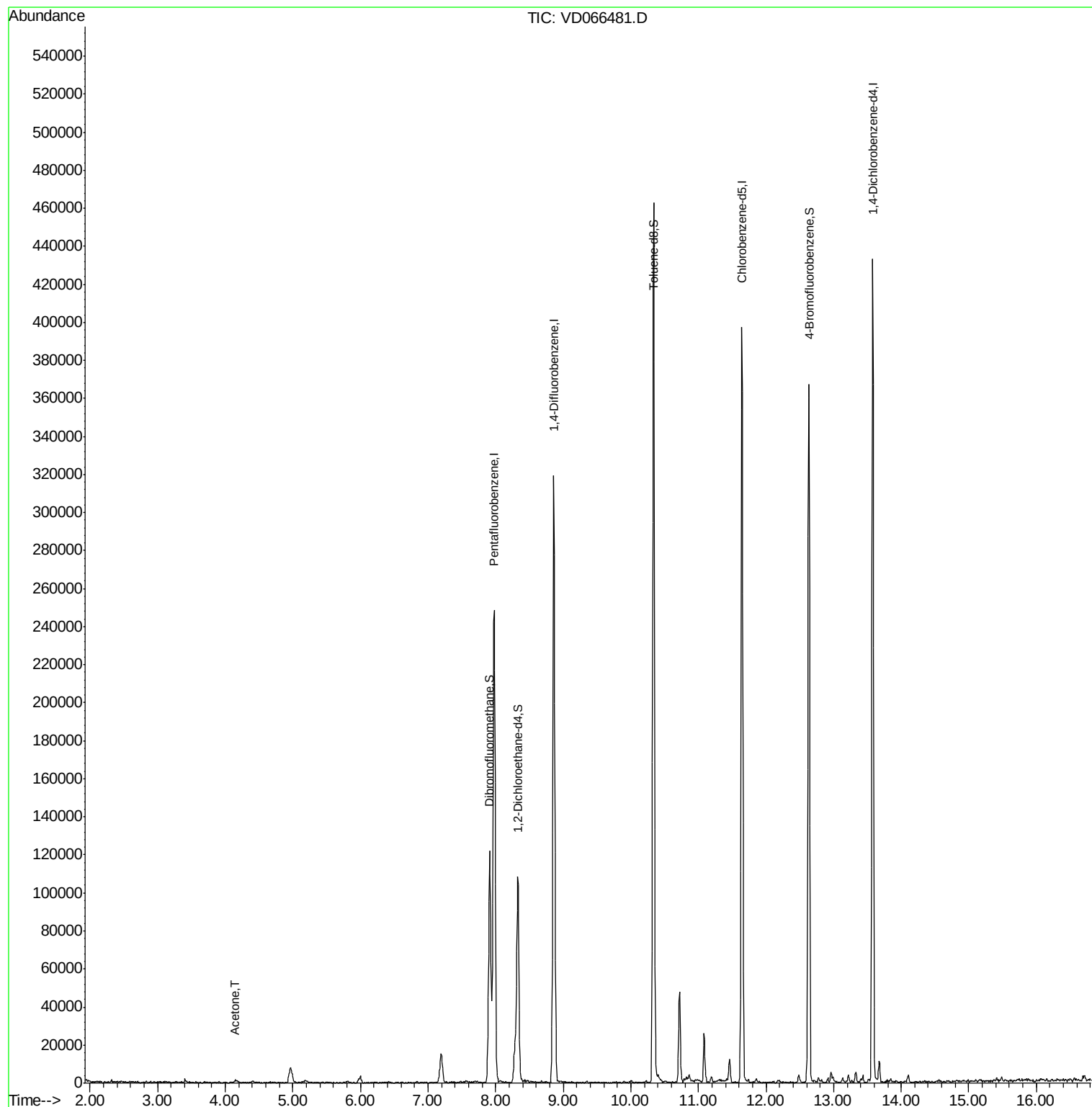
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 7.97  | 168  | 189426   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 262915   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 226658   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 113018   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 96426    | 51.92 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.84% |            |
| 35) Dibromofluoromethane    | 7.91  | 113  | 78534    | 47.77 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.54%  |            |
| 50) Toluene-d8              | 10.34 | 98   | 299581   | 49.80 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.60%  |            |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 97332    | 45.60 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.20%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 4.15  | 43   | 3008     | 8.984 | ug/l    | Qvalue 100 |

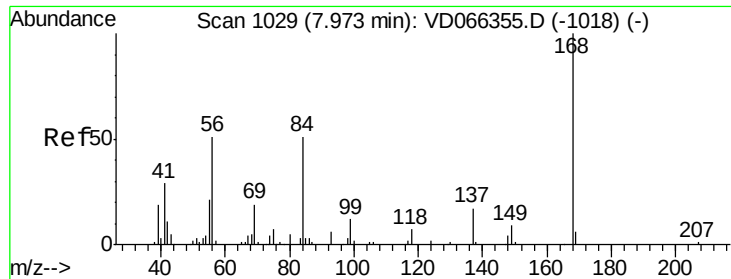
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
LINDEN-JOP-BH-08-B

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 13:36:12 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

Instrument :

MSVOA\_D

ClientSampleId :

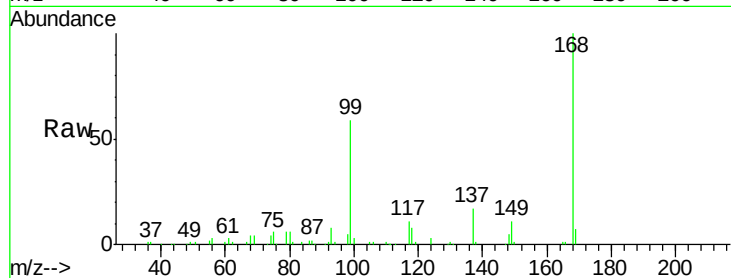
LINDEN-JOP-BH-08-B

Tot Ion:168 Resp: 189426

Ion Ratio Lower Upper

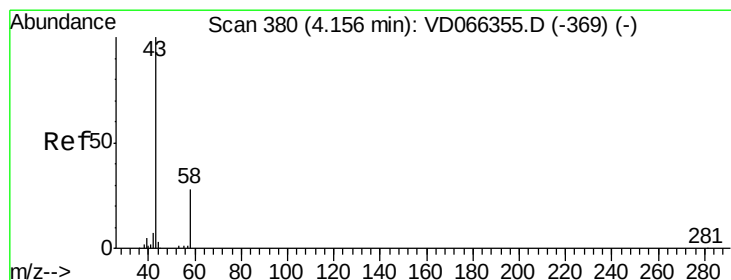
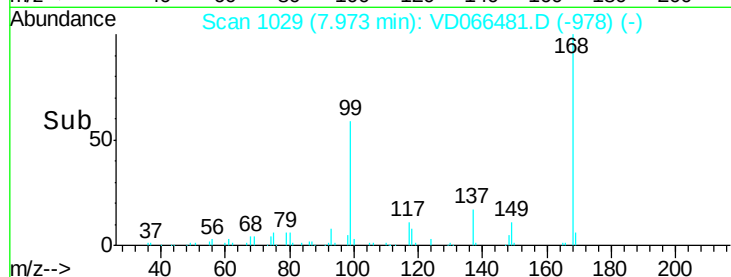
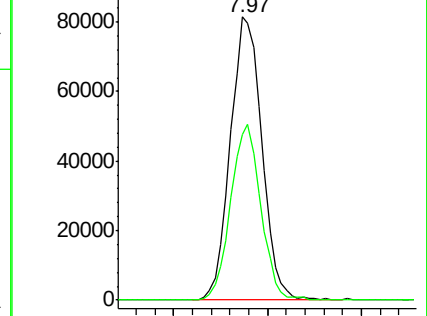
168 100

99 58.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 8.984 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066481.D

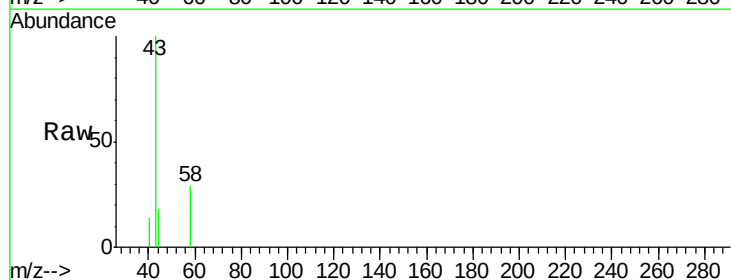
Acq: 31 Aug 2020 14:23

Tgt Ion: 43 Resp: 3008

Ion Ratio Lower Upper

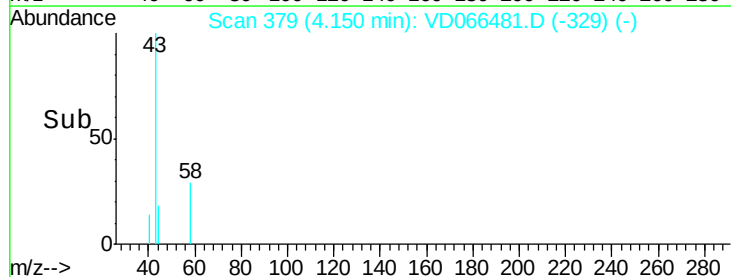
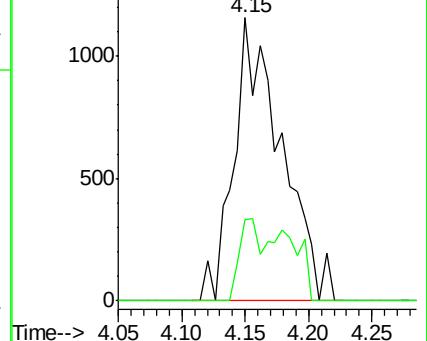
43 100

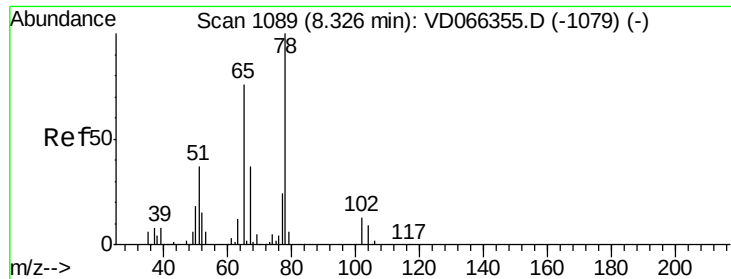
58 28.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

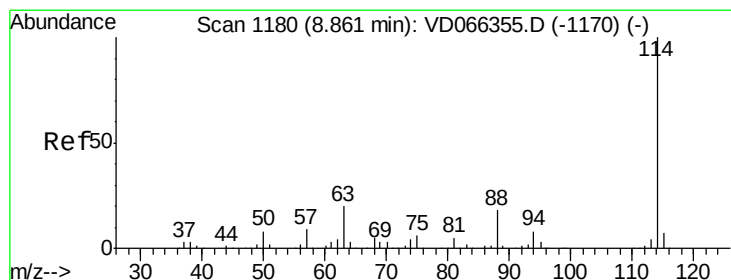
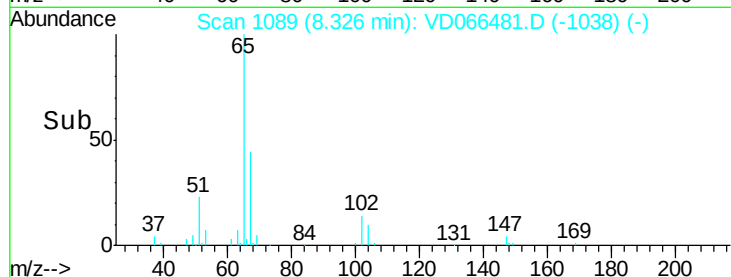
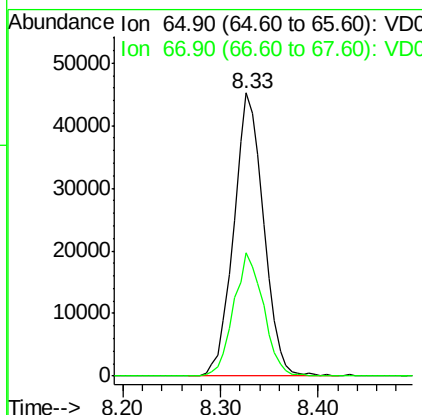
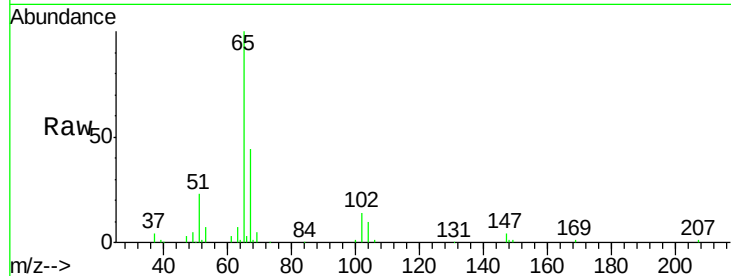




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.922 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: VD066481.D  
 Acq: 31 Aug 2020 14:23

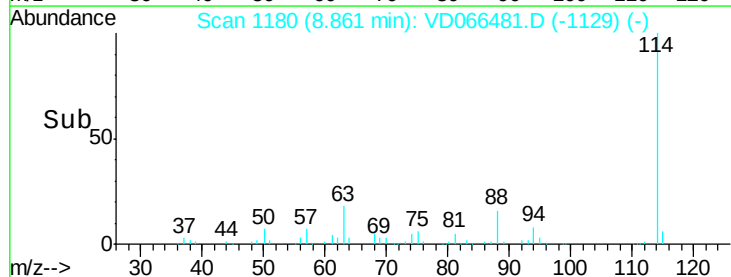
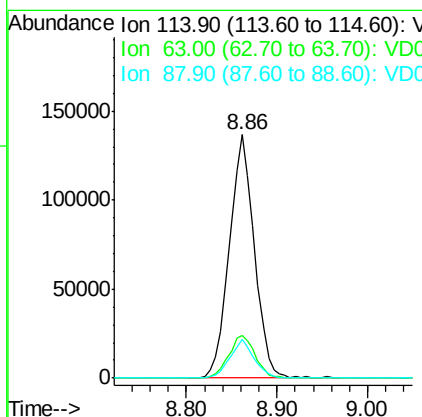
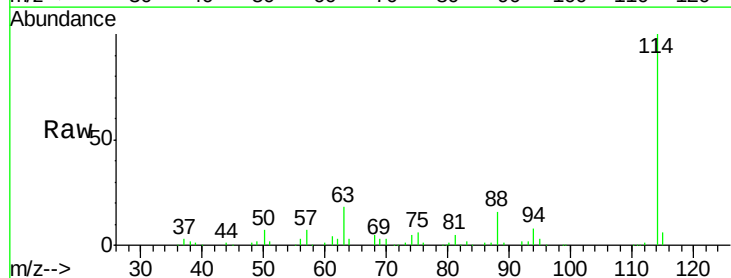
Instrument :  
 MSVOA\_D  
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 LINDEN-JOP-BH-08-B

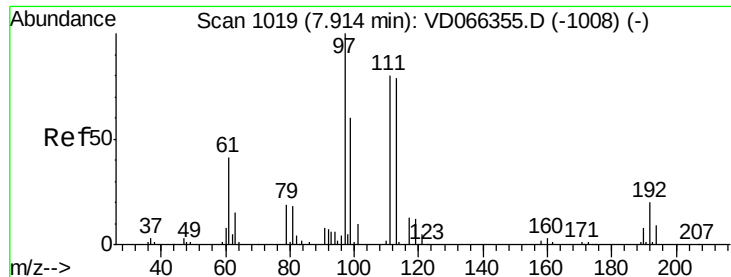
Tot Ion: 65 Resp: 96426  
 Ion Ratio Lower Upper  
 65 100  
 67 43.4 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066481.D  
 Acq: 31 Aug 2020 14:23

Tgt Ion: 114 Resp: 262915  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 40.8  
 88 15.8 0.0 35.4

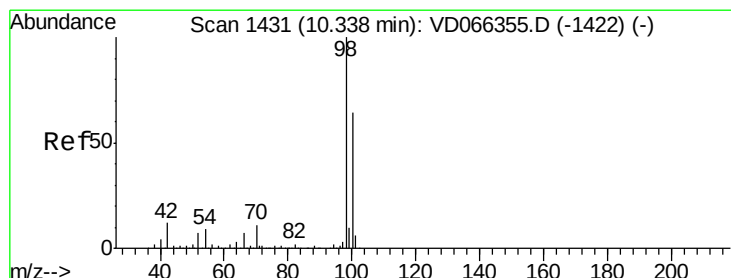
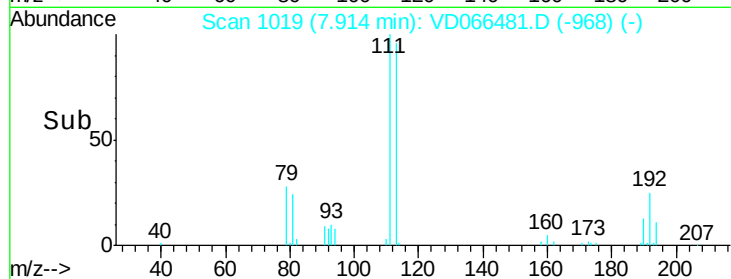
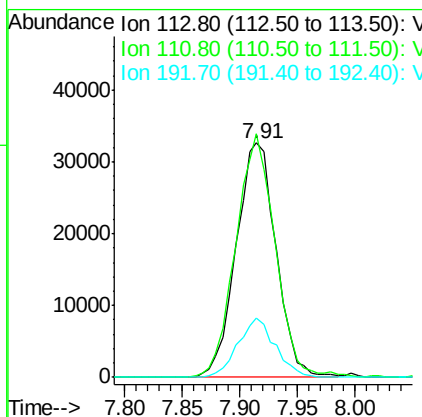
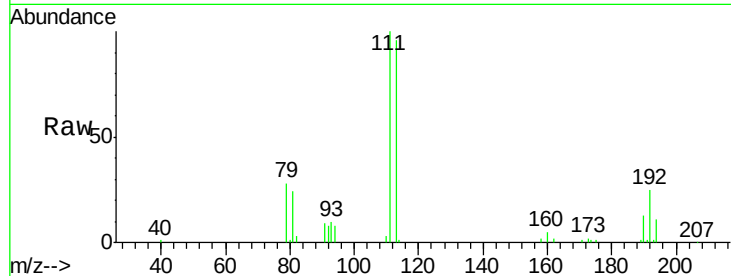




#35  
 Dibromofluoromethane  
 Concen: 47.769 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VD066481.D  
 Acq: 31 Aug 2020 14:23

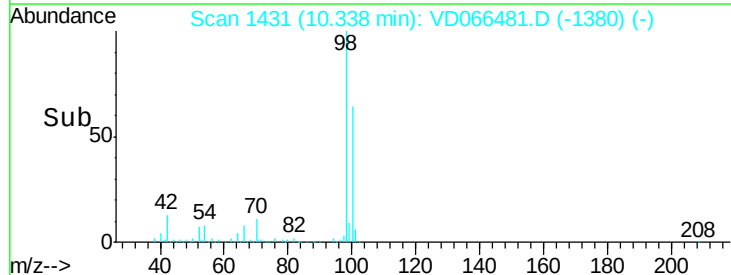
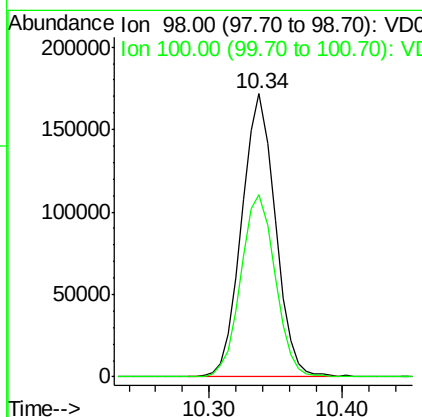
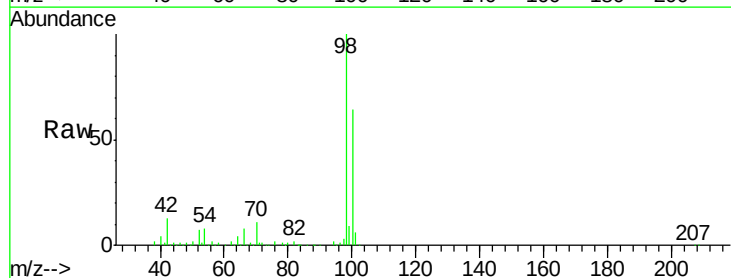
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LINDEN-JOP-BH-08-B

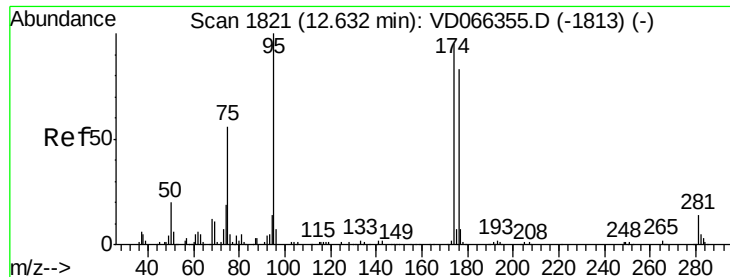
Tot Ion:113 Resp: 78534  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 80.3 120.5  
 192 23.7 19.0 28.6



#50  
 Toluene-d8  
 Concen: 49.803 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD066481.D  
 Acq: 31 Aug 2020 14:23

Tgt Ion: 98 Resp: 299581  
 Ion Ratio Lower Upper  
 98 100  
 100 66.0 53.0 79.4

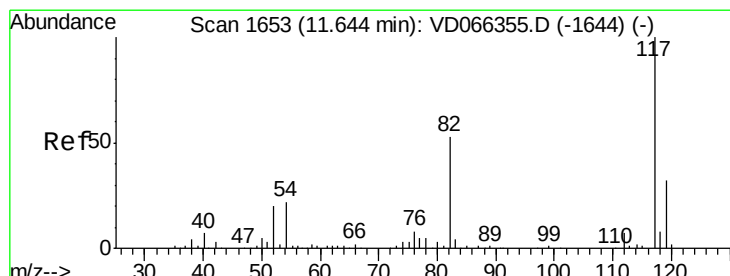
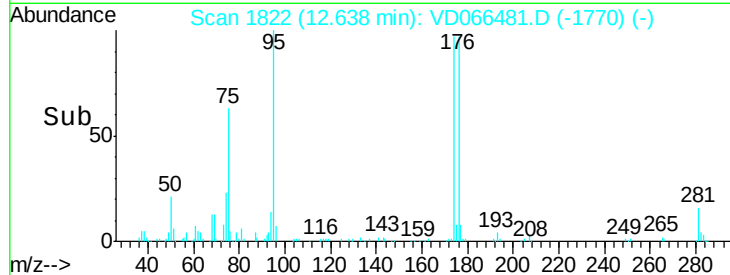
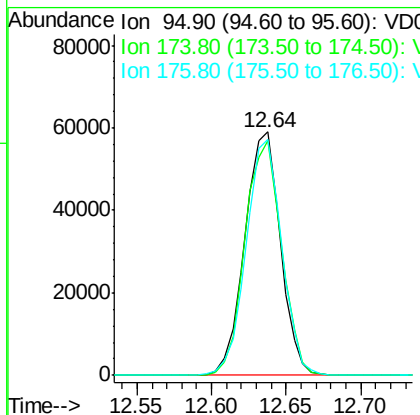
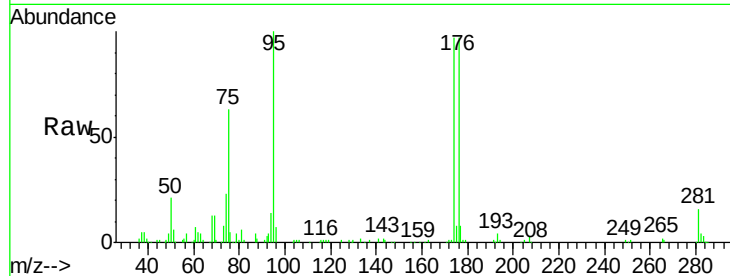




#62  
4-Bromofluorobenzene  
Concen: 45.600 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.01 min  
Lab File: VD066481.D  
Acq: 31 Aug 2020 14:23

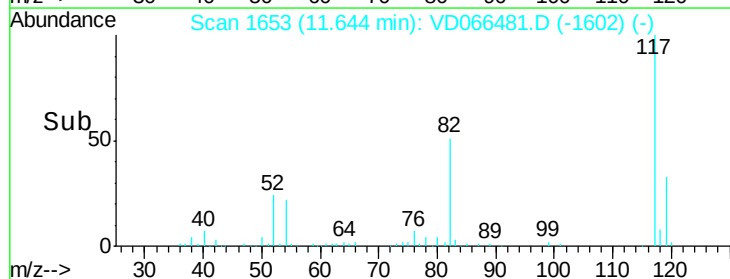
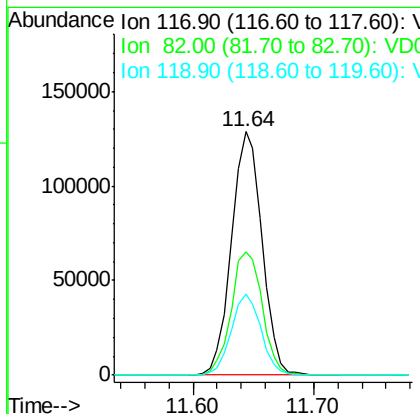
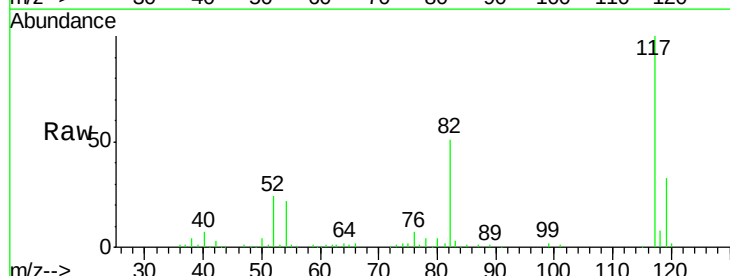
Instrument :  
MSVOA\_D  
ClientSampleId :  
LINDEN-JOP-BH-08-B

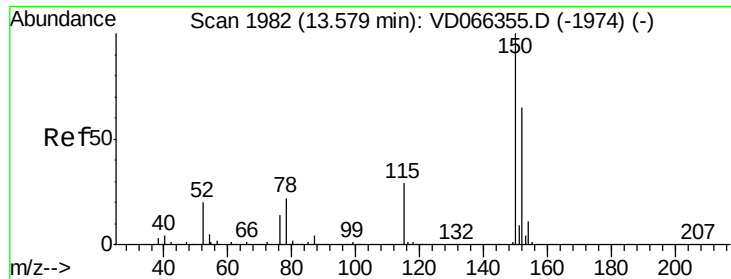
| Tot Ion   | 95    | Resp  | 97332 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 98.4  | 0.0   | 183.4 |
| 176       | 96.7  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066481.D  
Acq: 31 Aug 2020 14:23

| Tgt Ion   | 117   | Resp  | 226658 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 50.7  | 42.8  | 64.2   |
| 119       | 33.1  | 25.8  | 38.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.58 min Scan# 1982  
 Delta R.T. 0.00 min  
 Lab File: VD066481.D  
 Acq: 31 Aug 2020 14:23

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LINDEN-JOP-BH-08-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 28.3  | 85.0  |
| 150     | 156.7 | 0.0   | 343.2 |

