

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\  
 Data File : VD064078.D  
 Acq On : 25 Oct 2019 21:16  
 Operator : VA/SY  
 Sample : K5542-02  
 Misc : 6.74G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 54-54-(1.2)

Quant Time: Oct 26 01:17:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

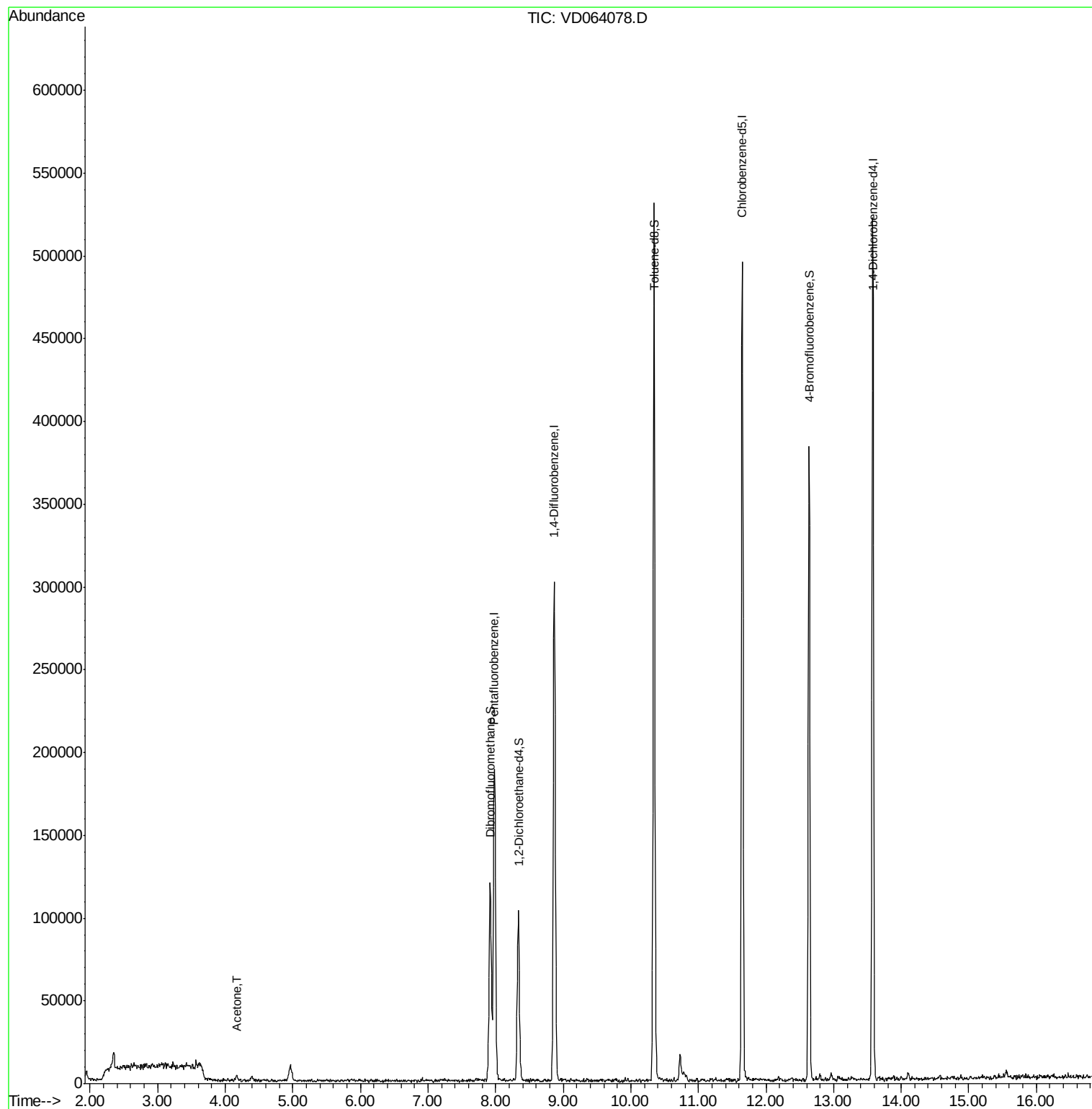
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 145759   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 257521   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 275085   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 131297   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 77440    | 54.57  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.14% |            |
| 35) Dibromofluoromethane    | 7.92  | 113  | 79254    | 50.36  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.72% |            |
| 50) Toluene-d8              | 10.34 | 98   | 344759   | 53.97  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.94% |            |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 104327   | 47.00  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.00%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 4.16  | 43   | 4487     | 12.145 | ug/l    | Qvalue 100 |

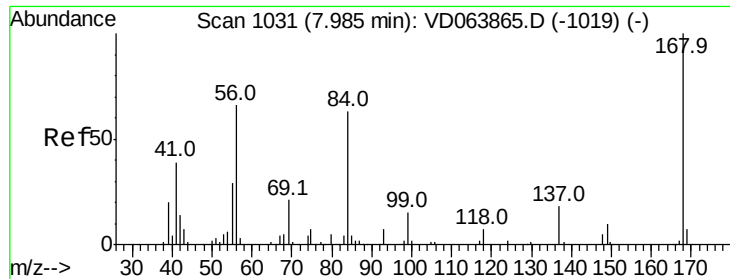
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Oct 05 03:51:17 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

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Instrument :

MSVOA\_D

ClientSampleId :

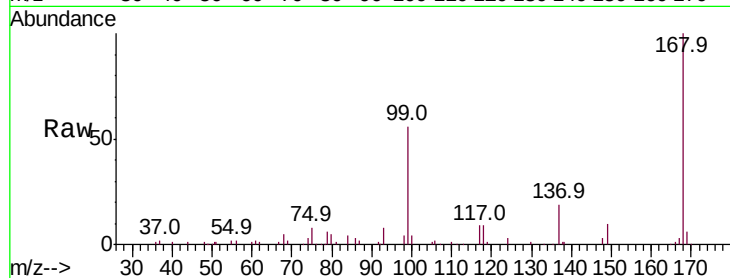
54-54-(1.2)

Tot Ion:168 Resp: 145759

Ion Ratio Lower Upper

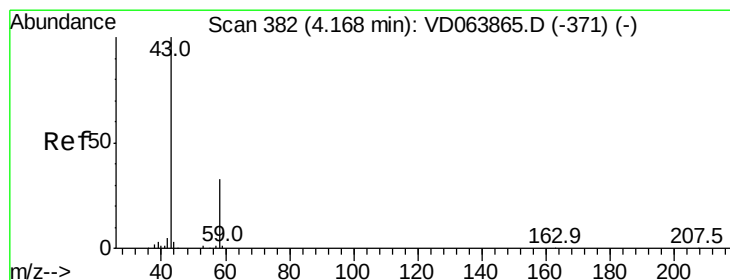
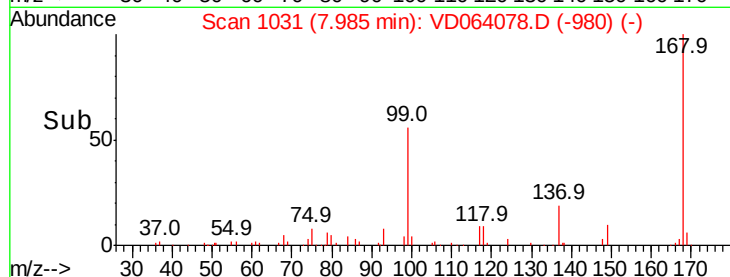
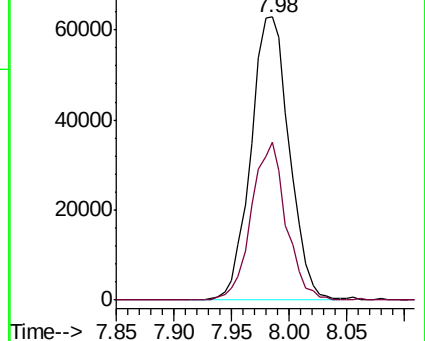
168 100

99 55.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 12.145 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064078.D

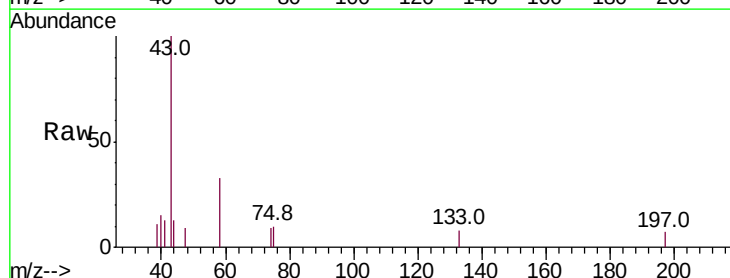
Acq: 25 Oct 2019 21:16

Tgt Ion: 43 Resp: 4487

Ion Ratio Lower Upper

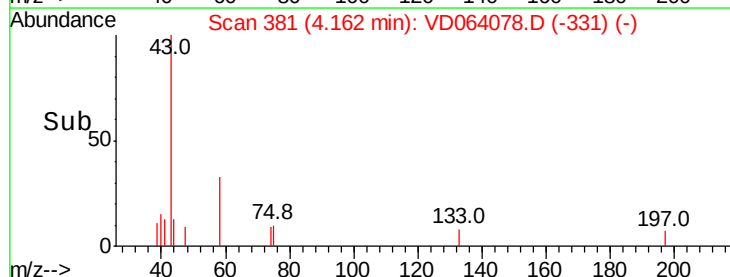
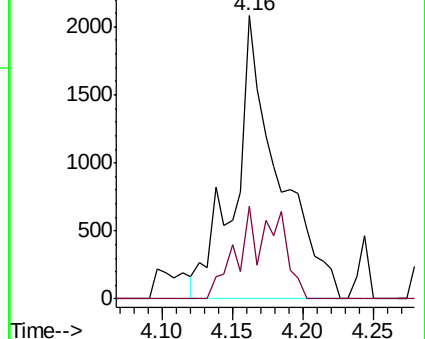
43 100

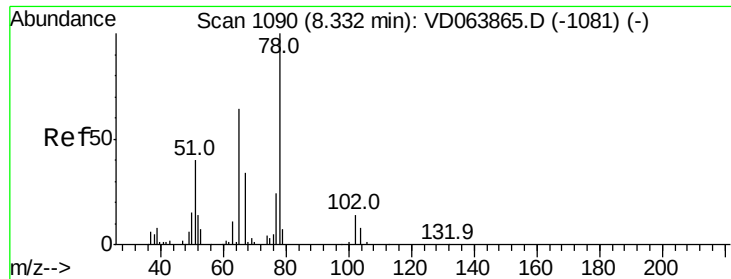
58 33.0 26.2 39.4



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: 54.571 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

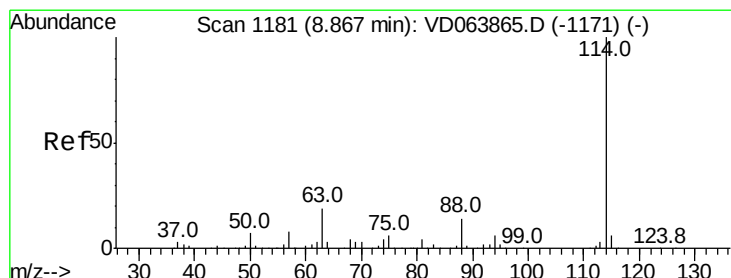
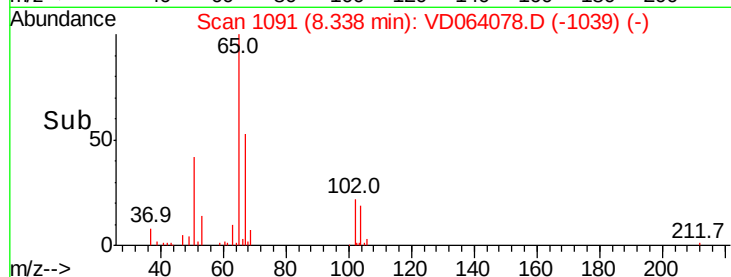
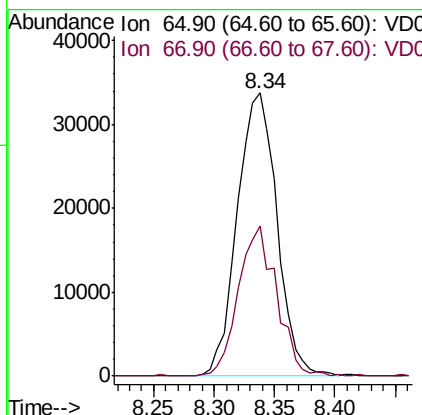
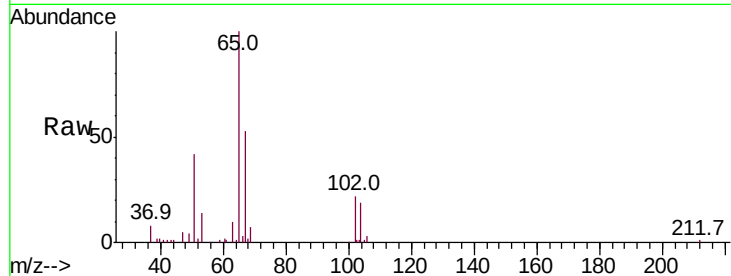
Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :  
MSVOA\_D  
ClientSampleId :  
54-54-(1.2)

Tot Ion: 65 Resp: 77440

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 50.9  | 0.0   | 106.4 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

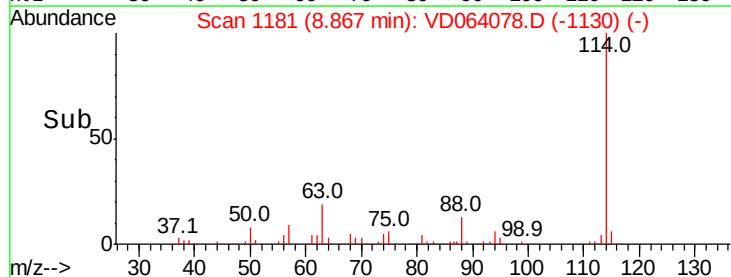
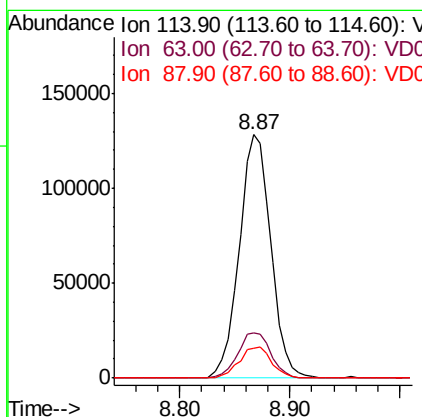
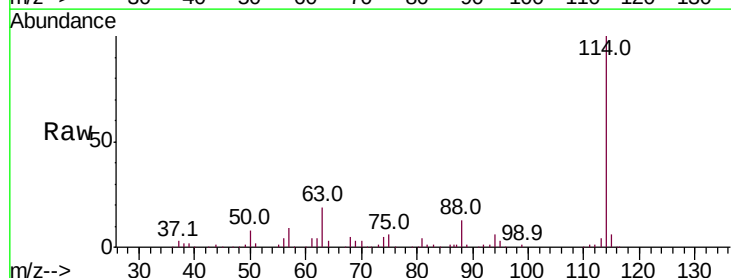
Delta R.T. -0.00 min

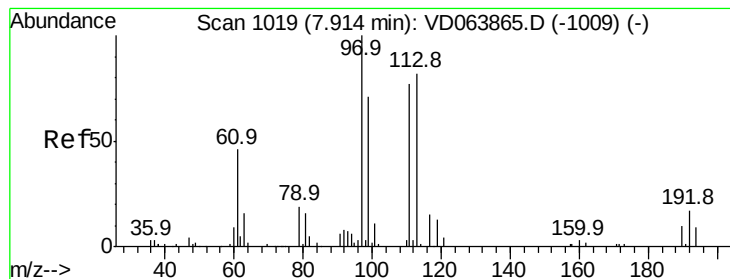
Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Tgt Ion: 114 Resp: 257521

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.5  | 0.0   | 38.4  |
| 88  | 12.5  | 0.0   | 27.4  |





#35

Dibromofluoromethane

Concen: 50.359 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :

MSVOA\_D

ClientSampleId :

54-54-(1.2)

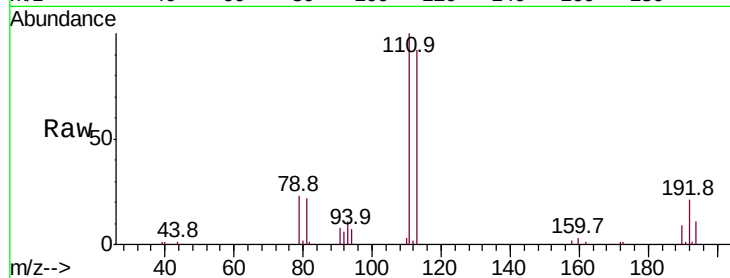
Tot Ion:113 Resp: 79254

Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

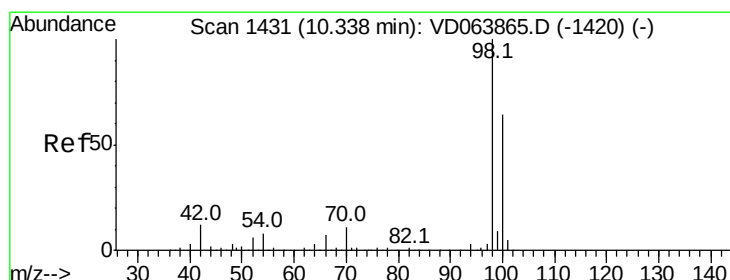
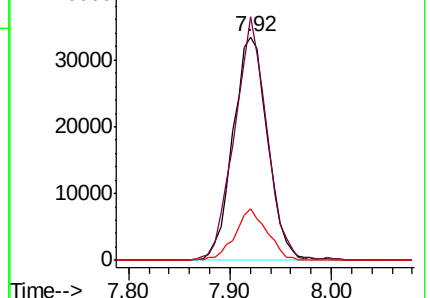
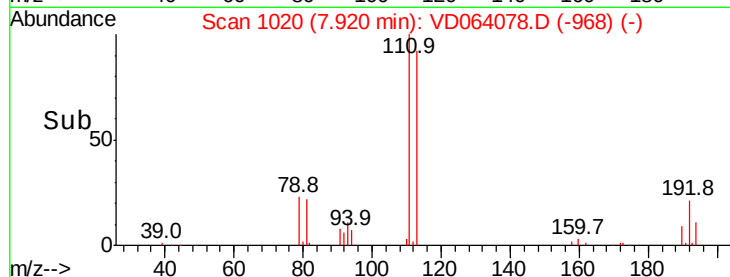
192 21.4 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 53.972 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064078.D

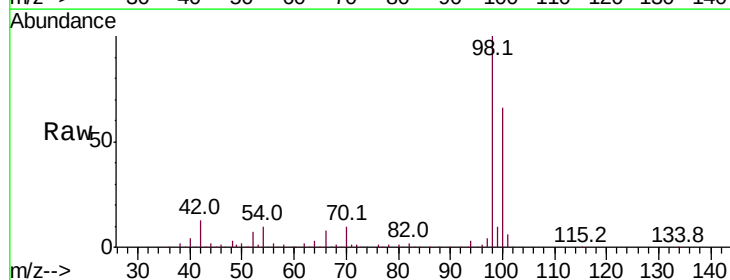
Acq: 25 Oct 2019 21:16

Tgt Ion: 98 Resp: 344759

Ion Ratio Lower Upper

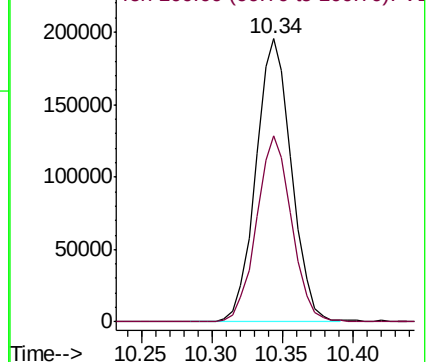
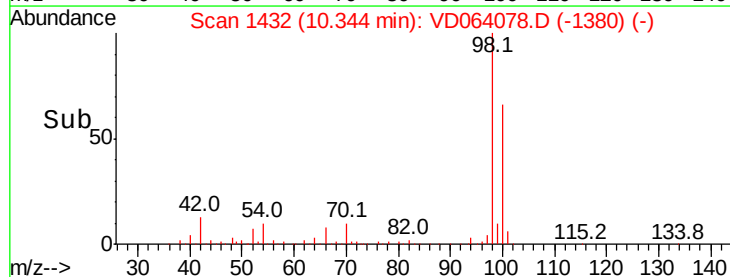
98 100

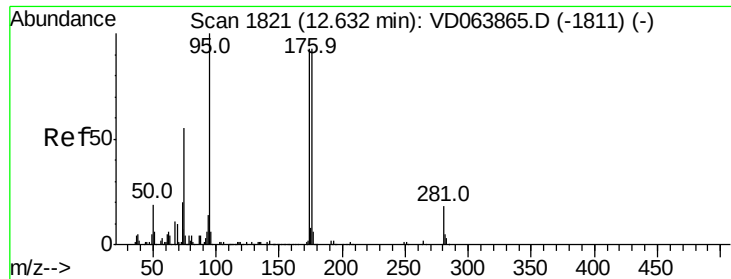
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.000 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :

MSVOA\_D

ClientSampleId :

54-54-(1.2)

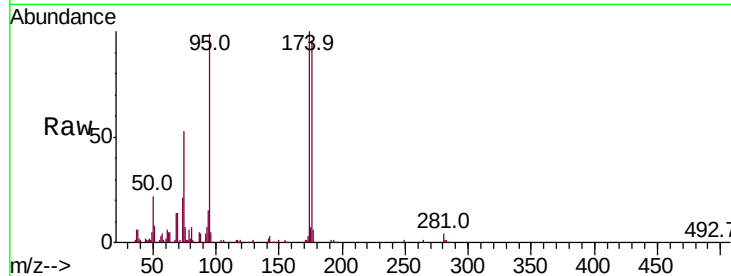
Tot Ion: 95 Resp: 104327

Ion Ratio Lower Upper

95 100

174 96.9 0.0 186.4

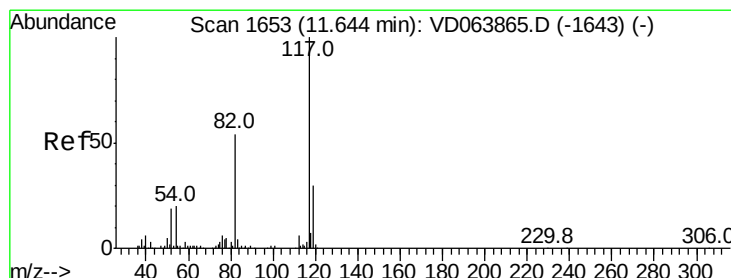
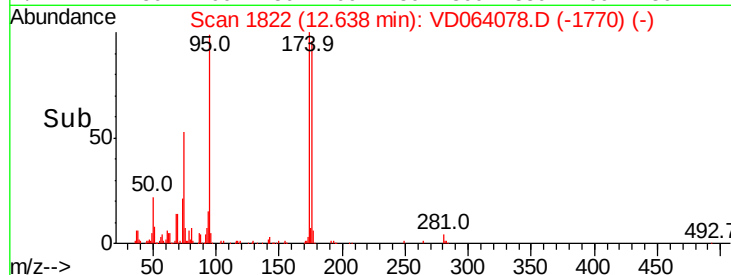
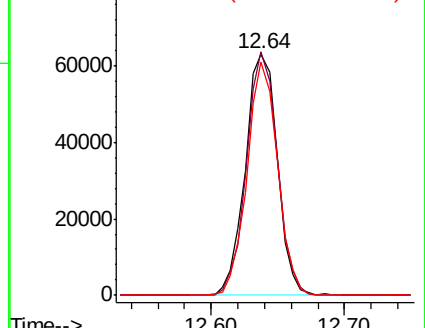
176 91.8 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

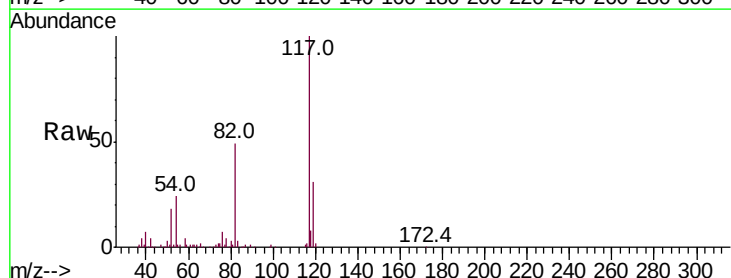
Tgt Ion: 117 Resp: 275085

Ion Ratio Lower Upper

117 100

82 48.6 42.8 64.2

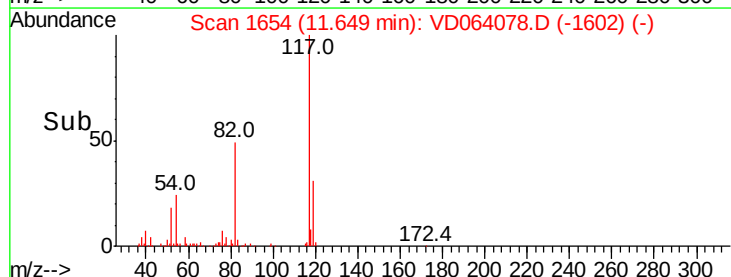
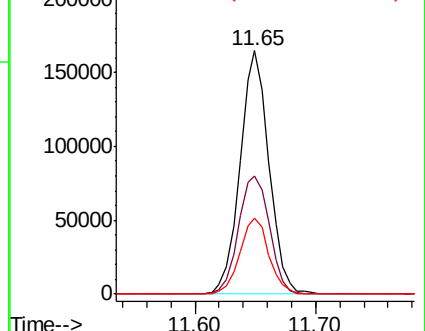
119 30.9 24.4 36.6

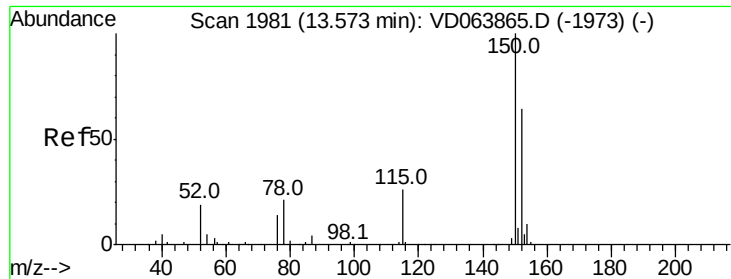


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.01 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :

MSVOA\_D

ClientSampleId :

54-54-(1.2)

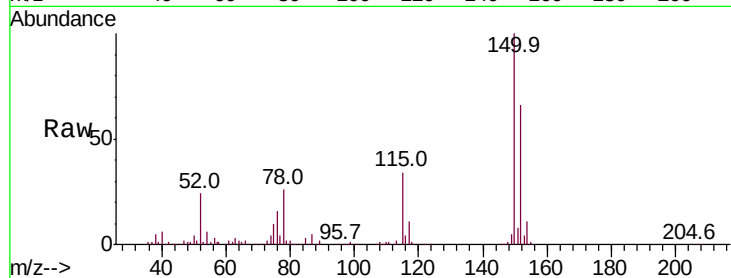
Tot Ion:152 Resp: 131297

Ion Ratio Lower Upper

152 100

115 52.0 25.9 77.7

150 158.0 0.0 344.2



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

