

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\  
 Data File : VD066614.D  
 Acq On : 10 Sep 2020 14:20  
 Operator : VA/SY  
 Sample : L3872-01  
 Misc : 10.02G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BU-03-090420

Quant Time: Sep 11 02:37:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:57:04 2020  
 Response via : Initial Calibration

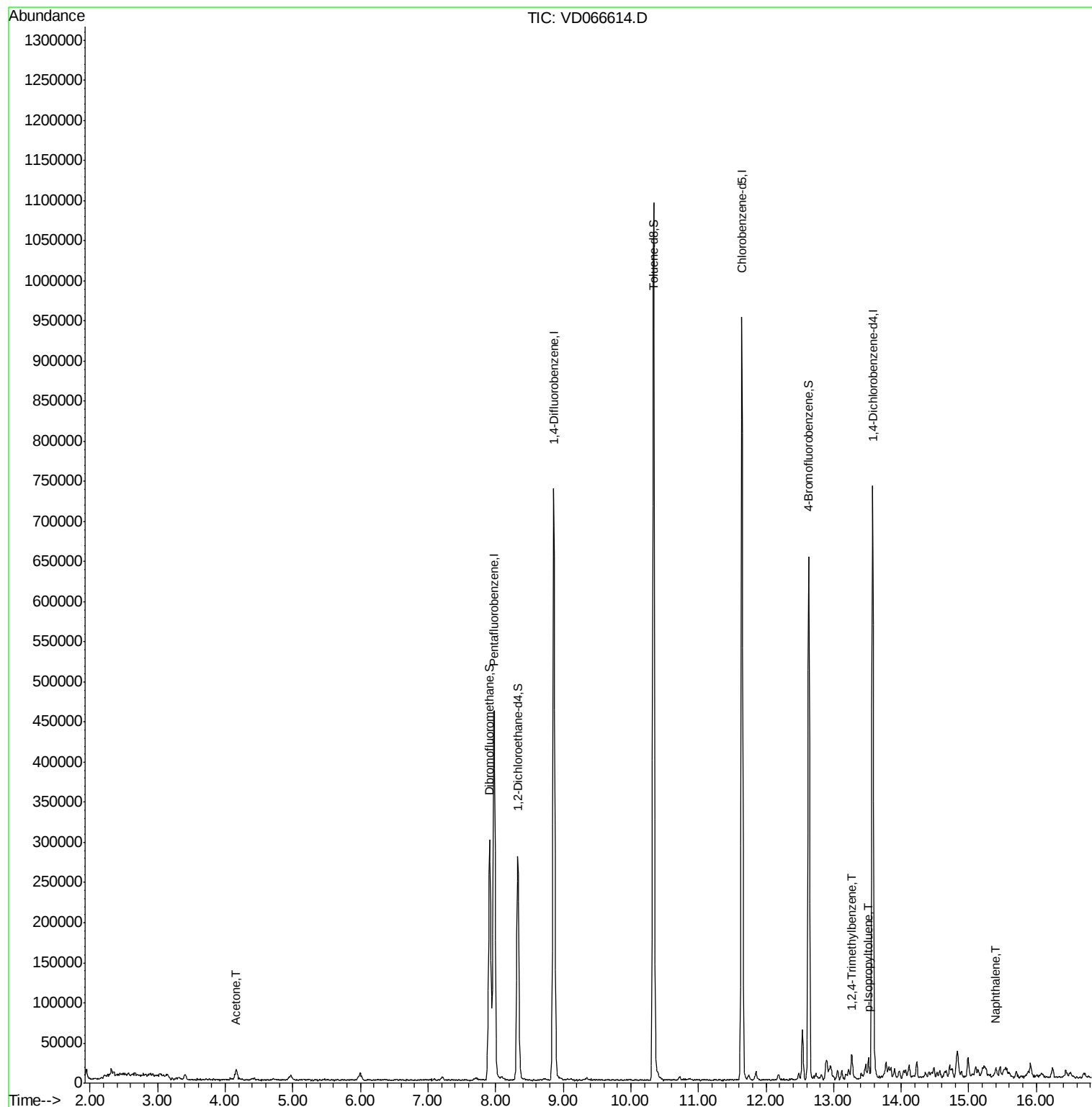
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 311131   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 593333   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 497566   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 177434   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 227362   | 60.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.80% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 211624   | 52.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.74% |          |
| 50) Toluene-d8              | 10.34 | 98   | 716595   | 50.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.18% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 200715   | 42.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.62%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.16  | 43   | 22631    | 32.674 | ug/l #  | 87       |
| 84) 1,2,4-Trimethylbenzene  | 13.27 | 105  | 14947    | 1.358  | ug/l    | 96       |
| 86) p-Isopropyltoluene      | 13.51 | 119  | 12428    | 1.061  | ug/l    | 92       |
| 95) Naphthalene             | 15.40 | 128  | 8305     | 1.558  | ug/l #  | 87       |

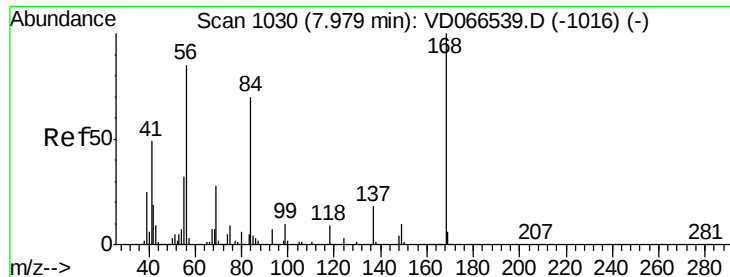
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 04 01:57:04 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066614.D

Acq: 10 Sep 2020 14:20

Instrument :

MSVOA\_D

ClientSampleId :

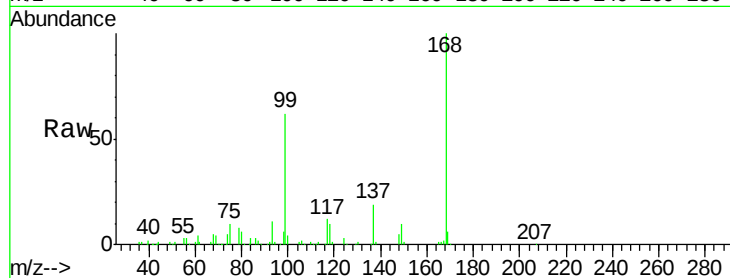
BU-03-090420

Tot Ion:168 Resp: 311131

Ion Ratio Lower Upper

168 100

99 62.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

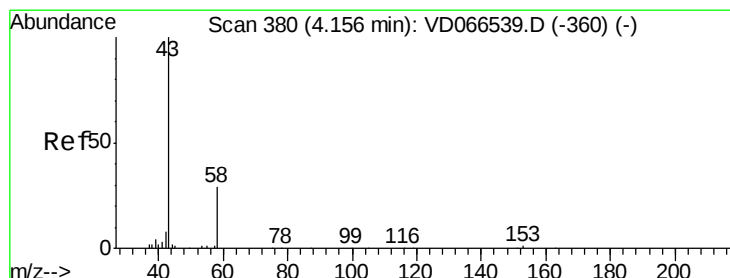
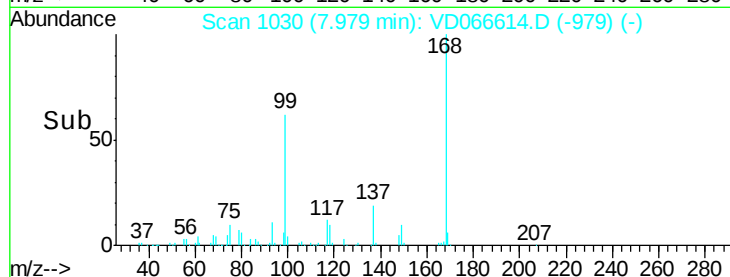
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 32.674 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066614.D

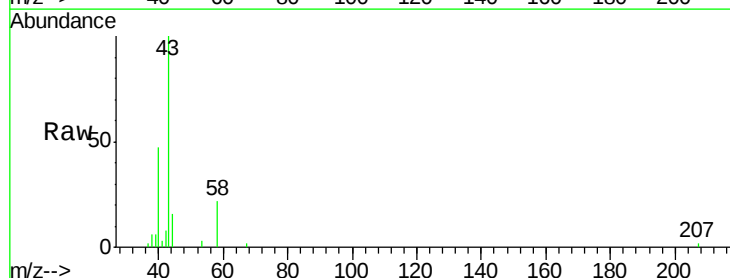
Acq: 10 Sep 2020 14:20

Tgt Ion: 43 Resp: 22631

Ion Ratio Lower Upper

43 100

58 21.9 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

8000

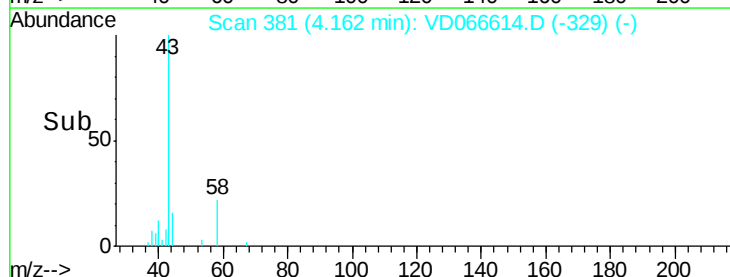
6000

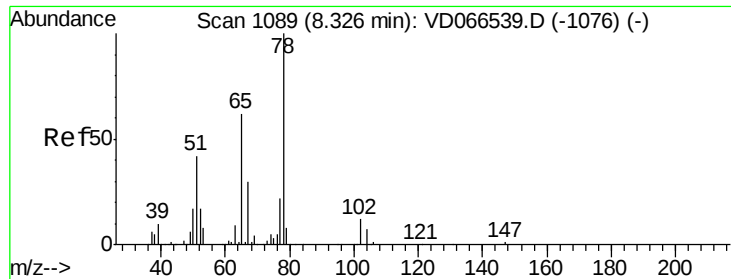
4000

2000

0

Time-->

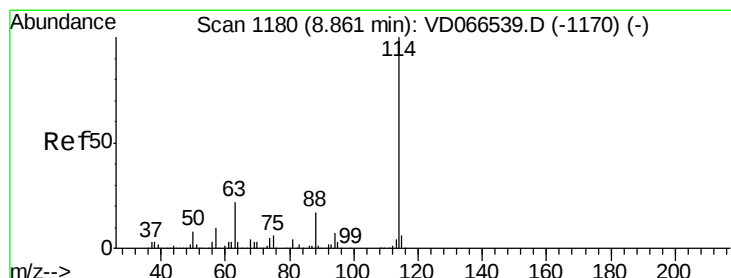
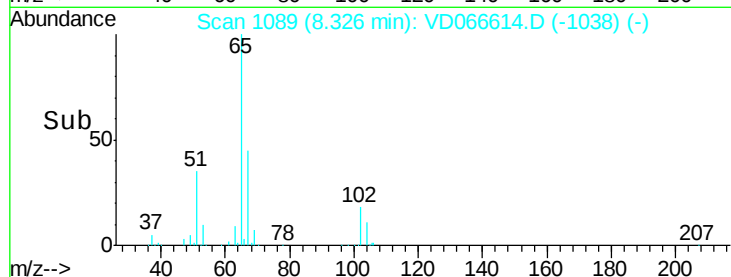
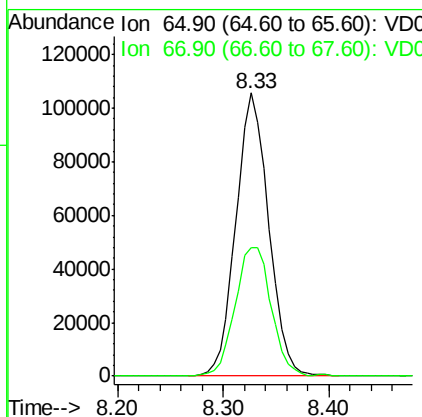
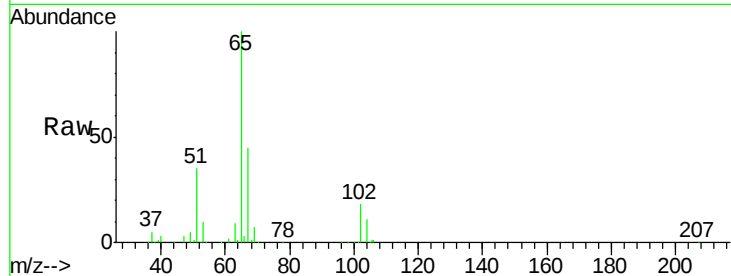




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.398 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: VD066614.D  
 Acq: 10 Sep 2020 14:20

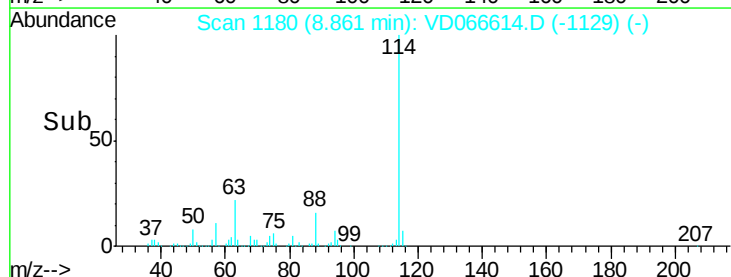
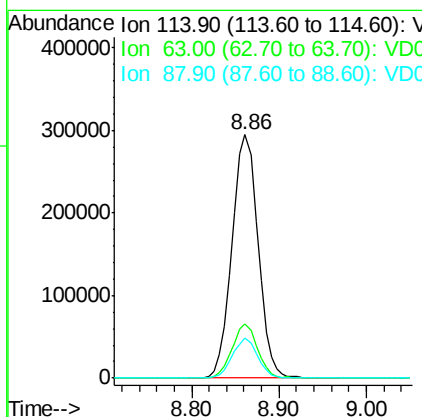
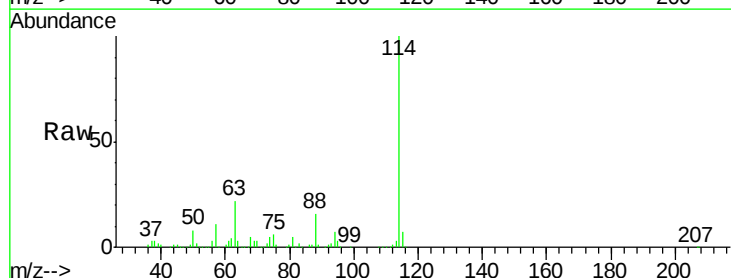
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BU-03-090420

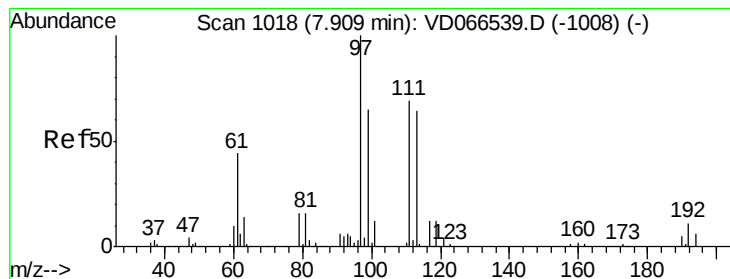
Tot Ion: 65 Resp: 227362  
 Ion Ratio Lower Upper  
 65 100  
 67 49.9 0.0 102.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066614.D  
 Acq: 10 Sep 2020 14:20

Tgt Ion: 114 Resp: 593333  
 Ion Ratio Lower Upper  
 114 100  
 63 22.1 0.0 43.2  
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.871 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066614.D

Acq: 10 Sep 2020 14:20

Instrument :

MSVOA\_D

ClientSampleId :

BU-03-090420

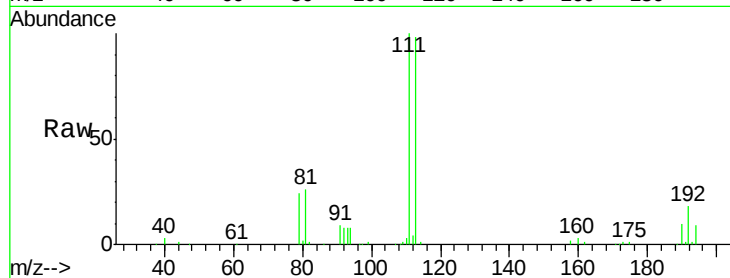
Tot Ion:113 Resp: 211624

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

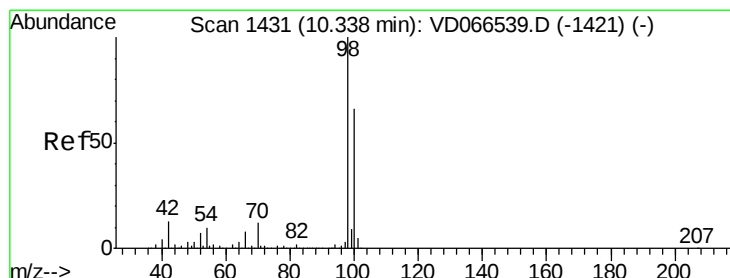
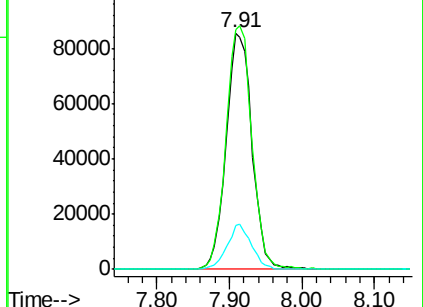
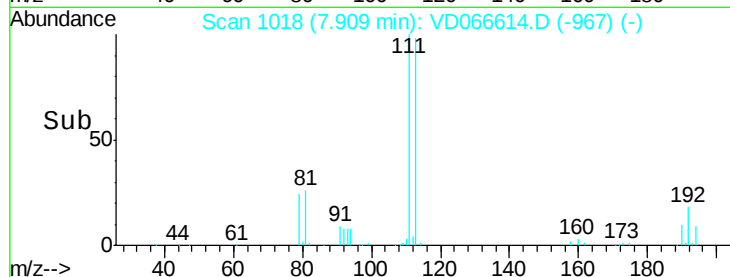
192 17.9 13.7 20.5



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: 50.090 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066614.D

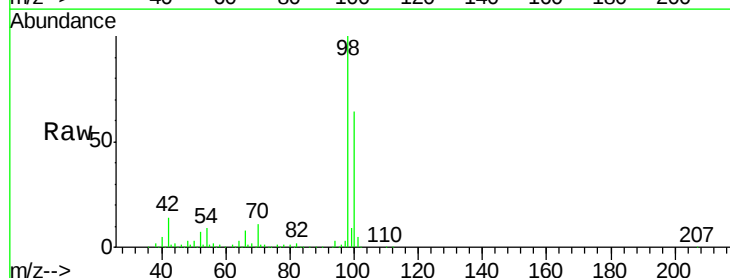
Acq: 10 Sep 2020 14:20

Tgt Ion: 98 Resp: 716595

Ion Ratio Lower Upper

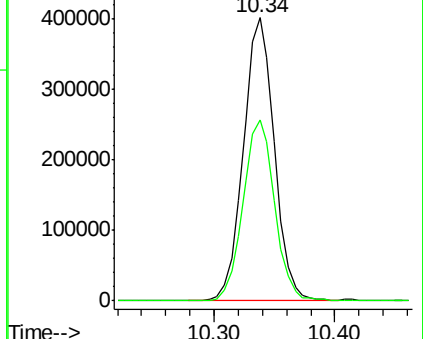
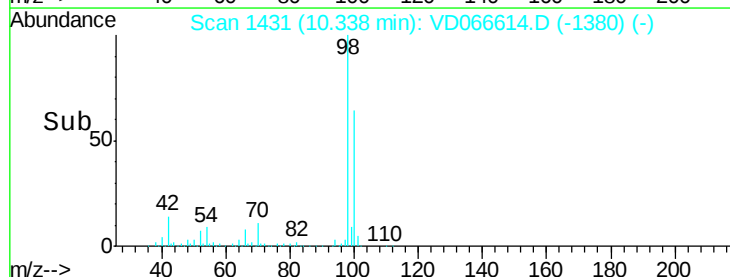
98 100

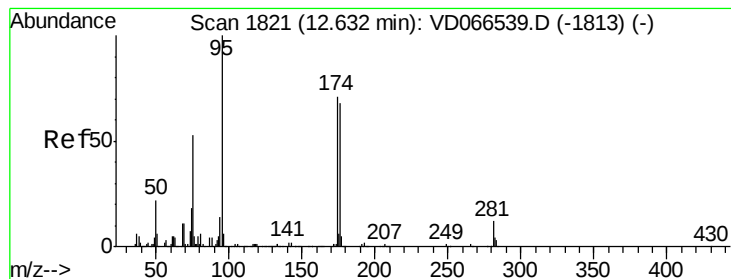
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.311 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066614.D

Acq: 10 Sep 2020 14:20

Instrument :

MSVOA\_D

ClientSampleId :

BU-03-090420

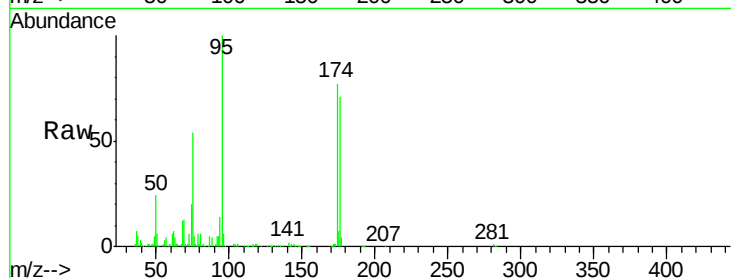
Tot Ion: 95 Resp: 200715

Ion Ratio Lower Upper

95 100

174 78.3 0.0 155.8

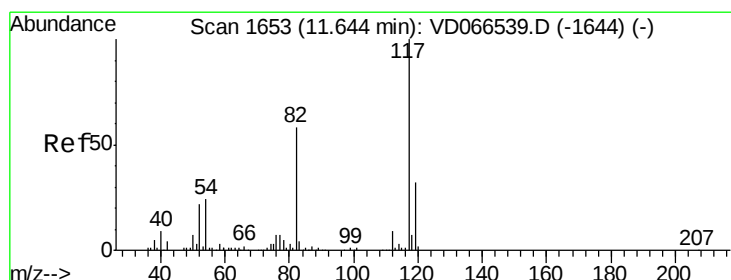
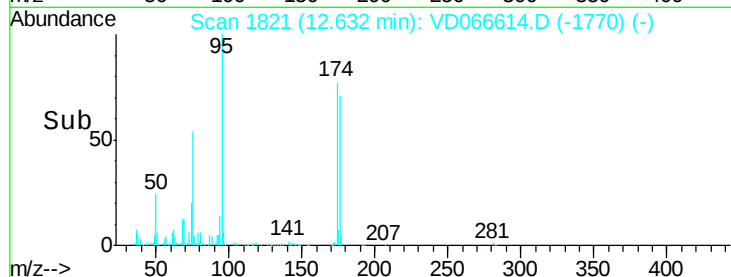
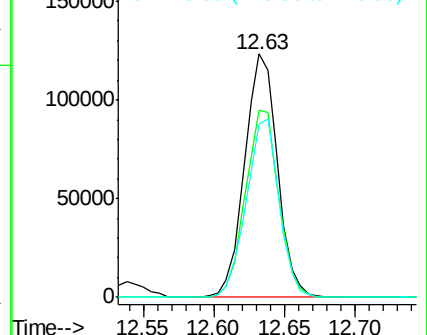
176 73.6 0.0 148.6



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066614.D

Acq: 10 Sep 2020 14:20

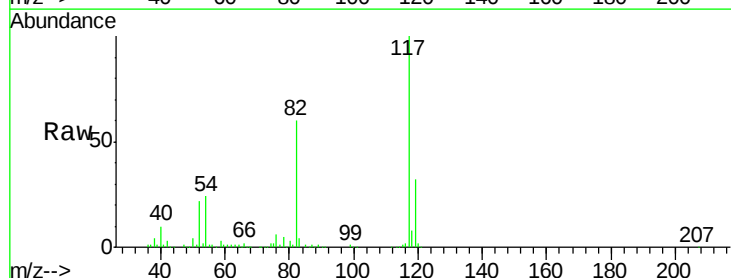
Tgt Ion: 117 Resp: 497566

Ion Ratio Lower Upper

117 100

82 60.1 46.2 69.2

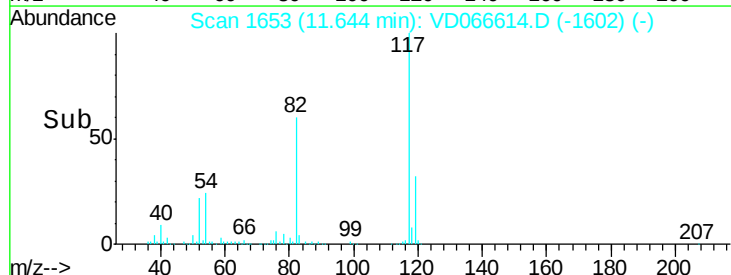
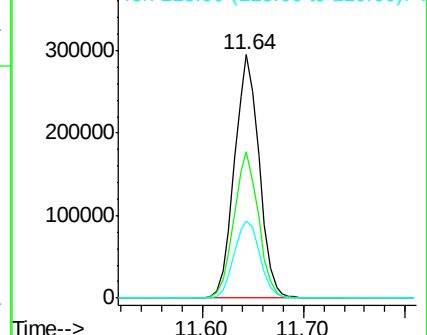
119 31.7 25.8 38.8

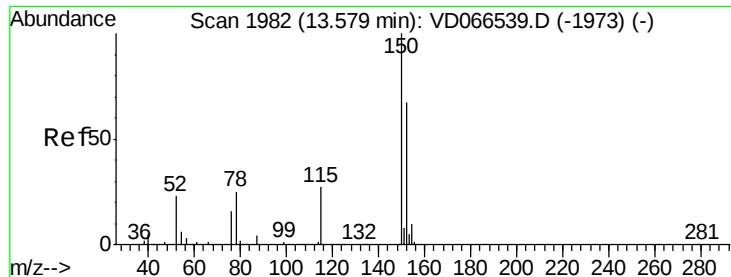


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066614.D

Acq: 10 Sep 2020 14:20

Instrument :

MSVOA\_D

ClientSampleId :

BU-03-090420

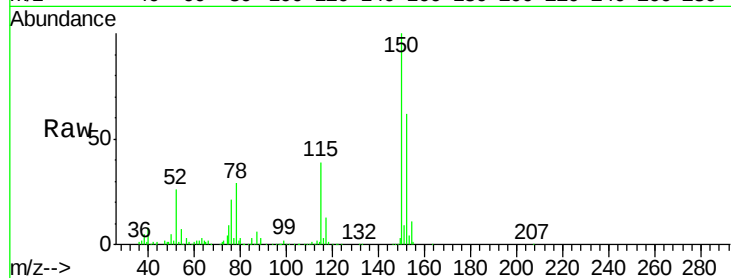
Tot Ion:152 Resp: 177434

Ion Ratio Lower Upper

152 100

115 62.7 30.4 91.2

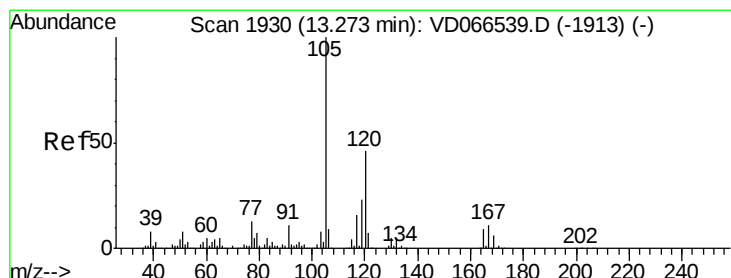
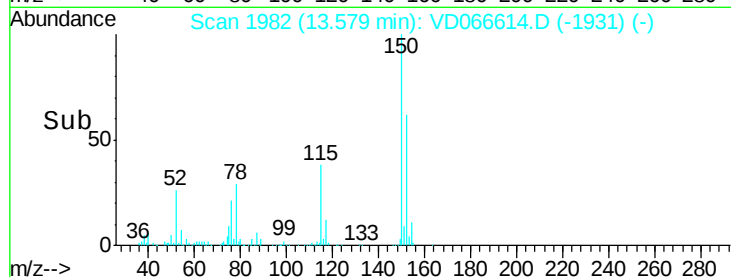
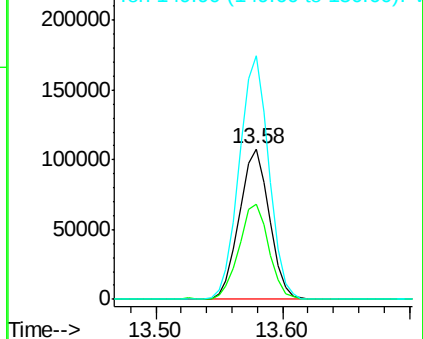
150 159.0 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.358 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066614.D

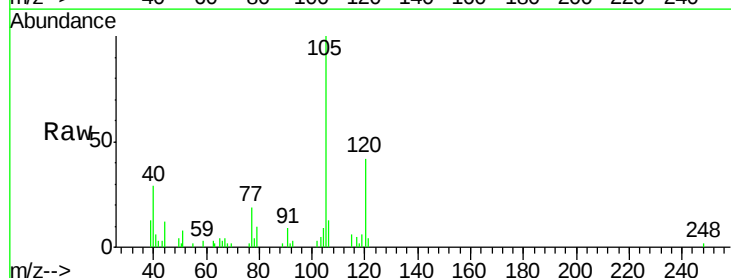
Acq: 10 Sep 2020 14:20

Tgt Ion:105 Resp: 14947

Ion Ratio Lower Upper

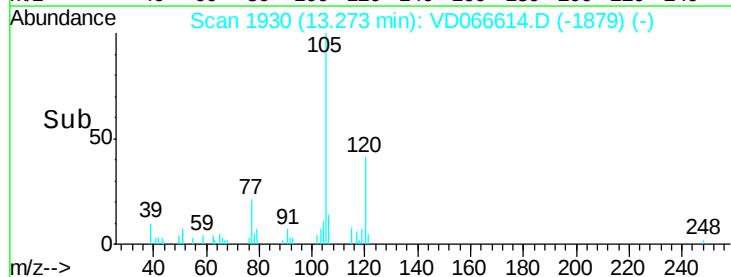
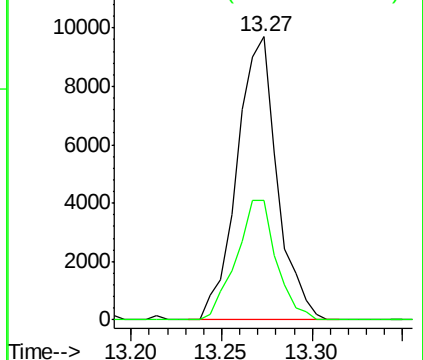
105 100

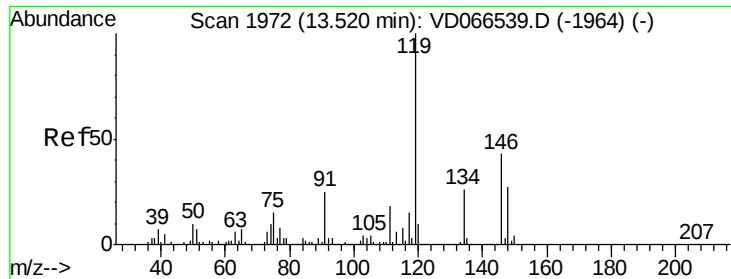
120 42.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

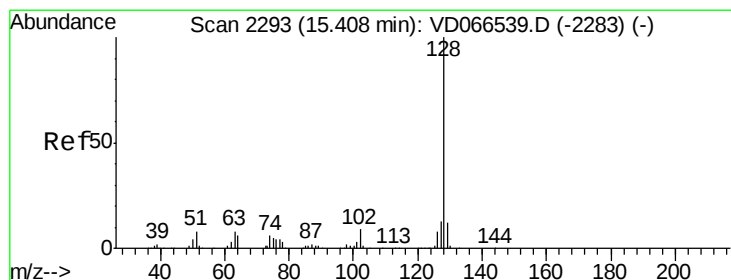
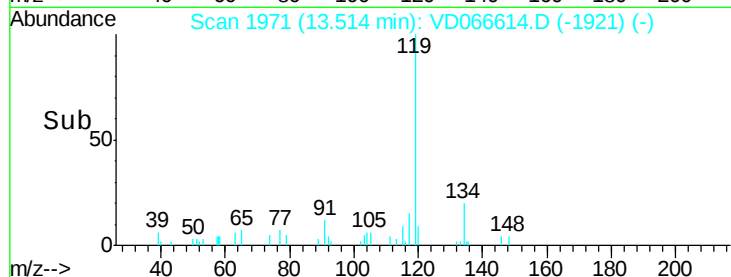
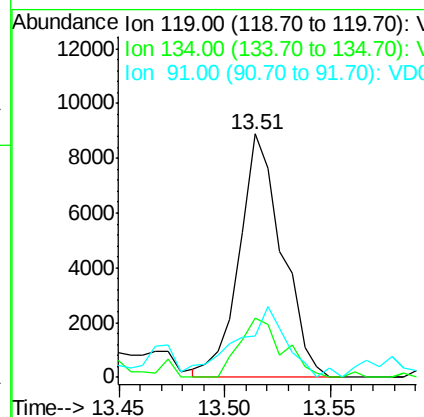
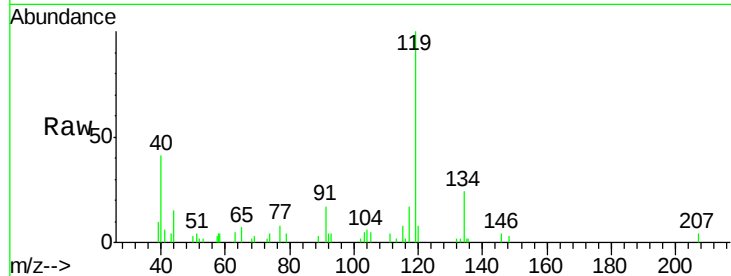




#86  
p-Isopropyltoluene  
Concen: 1.061 ug/l  
RT: 13.51 min Scan# 1971  
Delta R.T. -0.01 min  
Lab File: VD066614.D  
Acq: 10 Sep 2020 14:20

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Tot Ion:119 Resp: 12428  
Ion Ratio Lower Upper  
119 100  
134 24.8 12.7 38.0  
91 33.1 12.5 37.5



#95  
Naphthalene  
Concen: 1.558 ug/l  
RT: 15.40 min Scan# 2292  
Delta R.T. -0.01 min  
Lab File: VD066614.D  
Acq: 10 Sep 2020 14:20

Tgt Ion:128 Resp: 8305  
Ion Ratio Lower Upper  
128 100  
127 21.8 10.7 16.1#  
129 13.1 9.1 13.7

