

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\  
 Data File : VD065658.D  
 Acq On : 17 Apr 2020 21:42  
 Operator : VA/SY  
 Sample : L2323-01  
 Misc : 5.90G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-20

Quant Time: Apr 20 08:29:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 15 19:43:39 2020  
 Response via : Initial Calibration

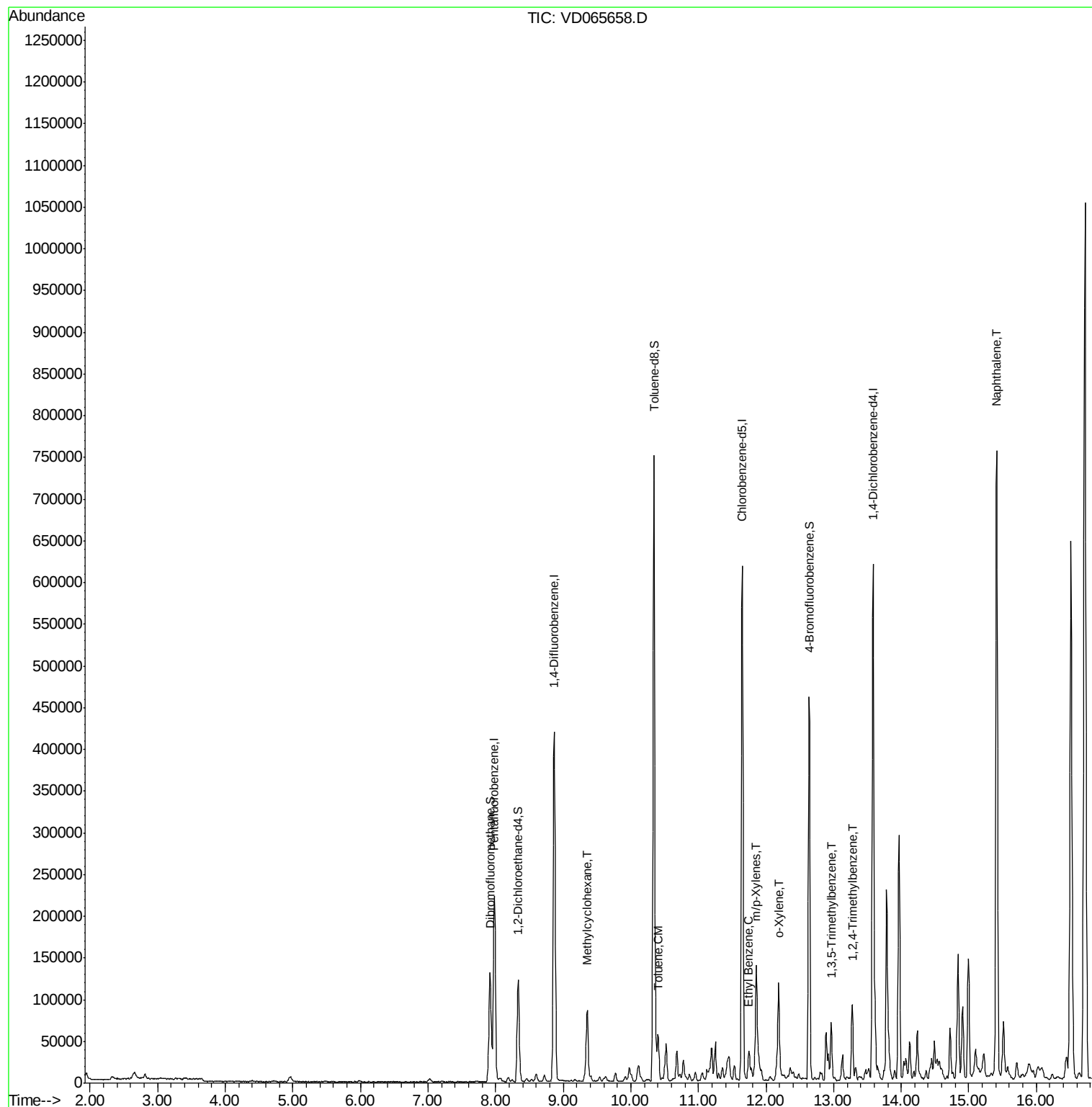
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 159832   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 366586   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 365892   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 172198   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 99245    | 72.99   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 145.98% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 91703    | 40.19   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 80.38%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 471106   | 56.01   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 112.02% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 144957   | 51.80   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.60% |          |
| Target Compounds            |       |      |          |         |         |          |
|                             |       |      |          |         | Qvalue  |          |
| 39) Methylcyclohexane       | 9.36  | 83   | 31991    | 7.767   | ug/l    | 96       |
| 52) Toluene                 | 10.40 | 92   | 22154    | 3.531   | ug/l    | 99       |
| 67) Ethyl Benzene           | 11.75 | 91   | 20722    | 1.674   | ug/l    | 96       |
| 68) m/p-Xylenes             | 11.86 | 106  | 36579    | 7.648   | ug/l    | 96       |
| 69) o-Xylene                | 12.18 | 106  | 28104    | 6.697   | ug/l    | 96       |
| 80) 1,3,5-Trimethylbenzene  | 12.97 | 105  | 30348    | 3.463   | ug/l    | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.28 | 105  | 49188    | 5.629   | ug/l    | 99       |
| 95) Naphthalene             | 15.41 | 128  | 670527   | 116.884 | ug/l    | 100      |

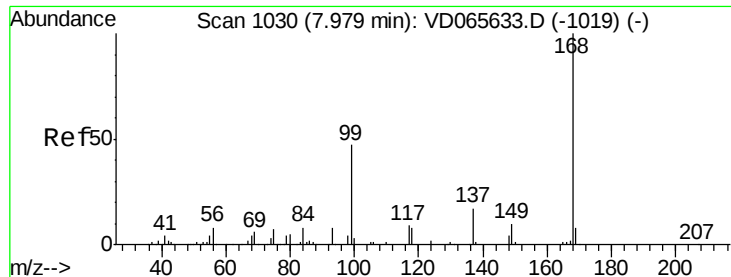
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\  
Data File : VD065658.D  
Acq On : 17 Apr 2020 21:42  
Operator : VA/SY  
Sample : L2323-01  
Misc : 5.90G/5.00ml/MSVOA D/SOIL  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-20

Quant Time: Apr 20 08:29:50 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D041520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 15 19:43:39 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: VD065658.D

Acq: 17 Apr 2020 21:42

Instrument :

MSVOA\_D

ClientSampled :

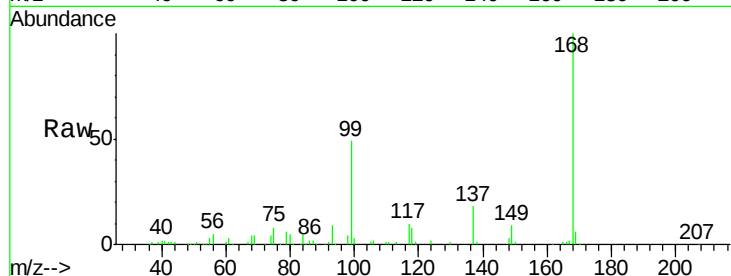
TP-20

Tot Ion:168 Resp: 159832

Ion Ratio Lower Upper

168 100

99 49.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

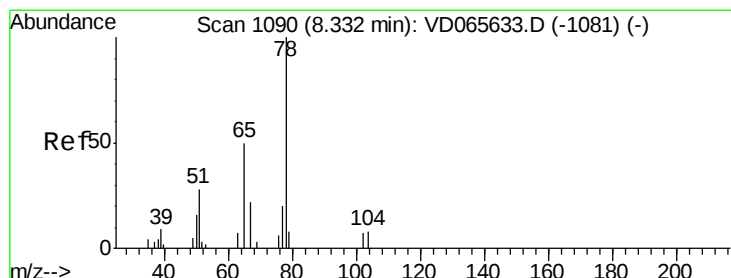
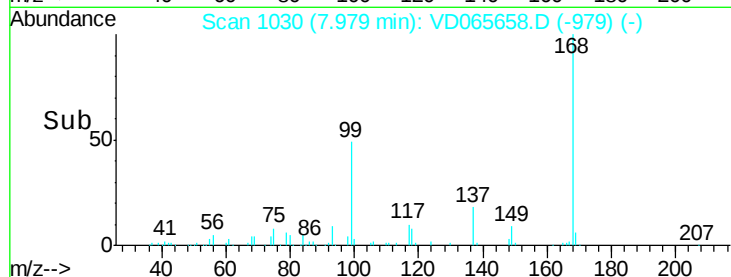
40000

20000

0

7.90 8.00 8.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 72.992 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065658.D

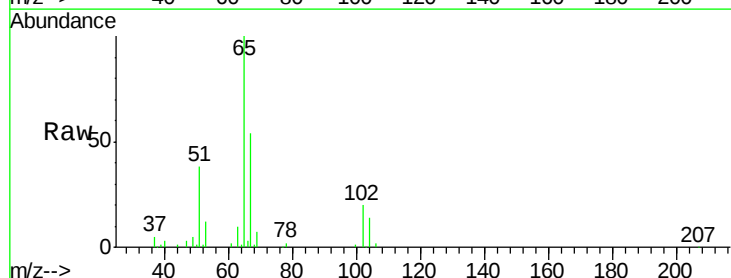
Acq: 17 Apr 2020 21:42

Tgt Ion: 65 Resp: 99245

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

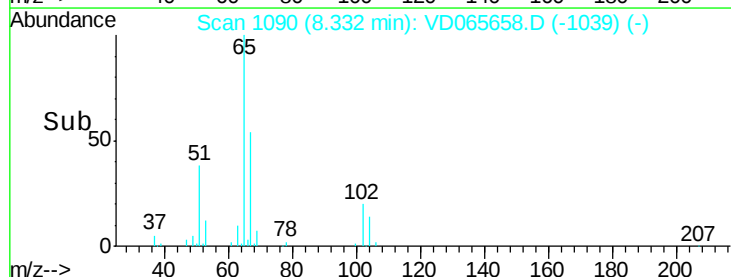
20000

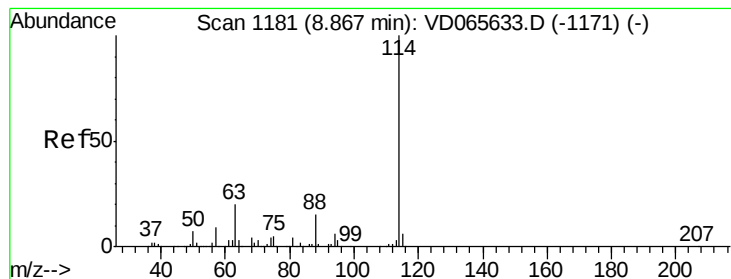
10000

0

8.20 8.30 8.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

Instrument :

MSVOA\_D

ClientSampleId :

TP-20

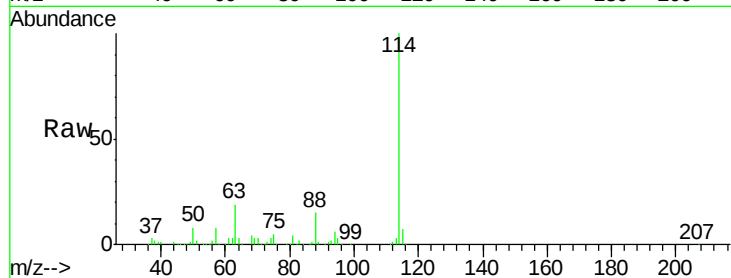
Tot Ion:114 Resp: 366586

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.8

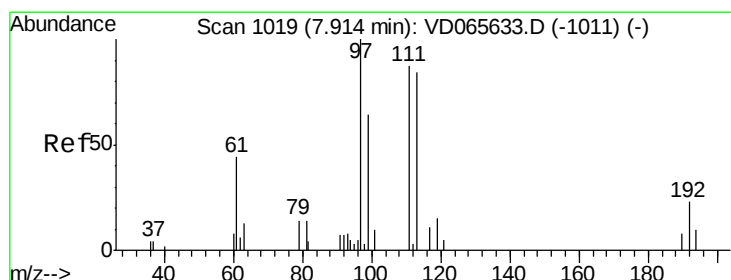
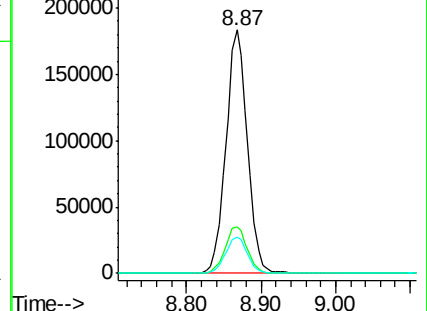
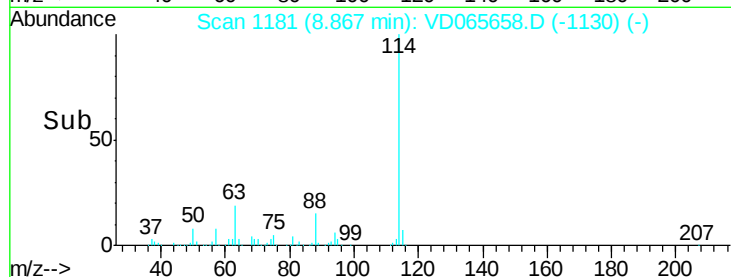
88 14.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 40.194 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

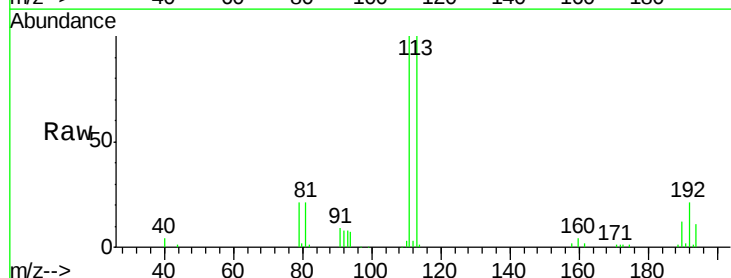
Tgt Ion:113 Resp: 91703

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

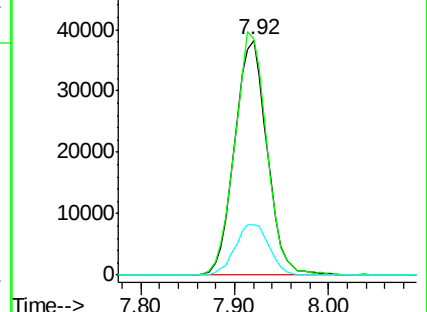
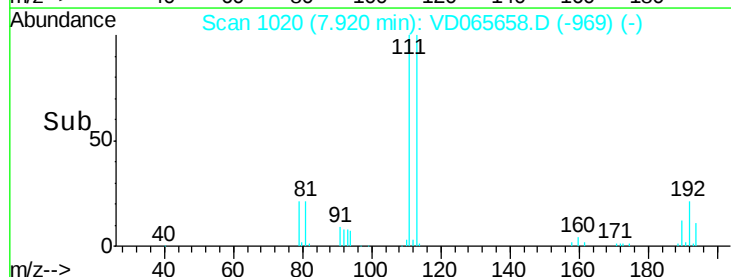
192 22.6 18.9 28.3

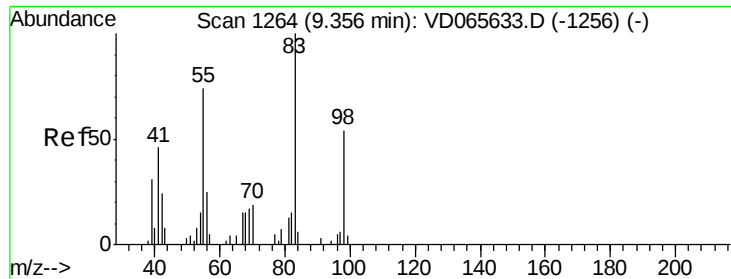


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

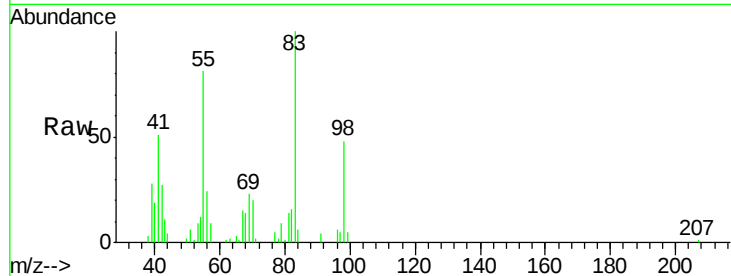




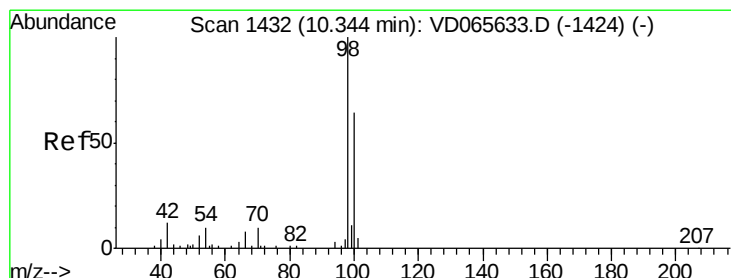
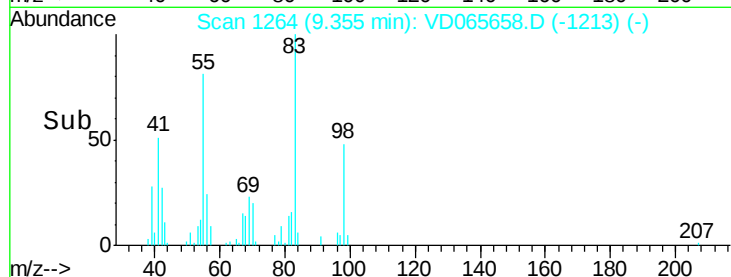
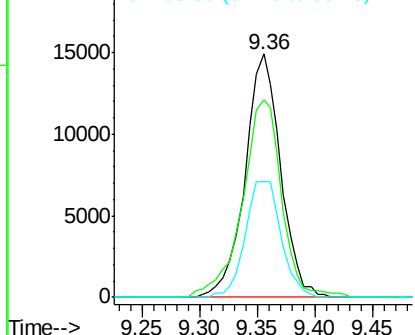
#39  
Methylcyclohexane  
Concen: 7.767 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD065658.D  
Acq: 17 Apr 2020 21:42

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-20

Tot Ion: 83 Resp: 31991  
Ion Ratio Lower Upper  
83 100  
55 81.0 62.3 93.5  
98 47.7 40.5 60.7

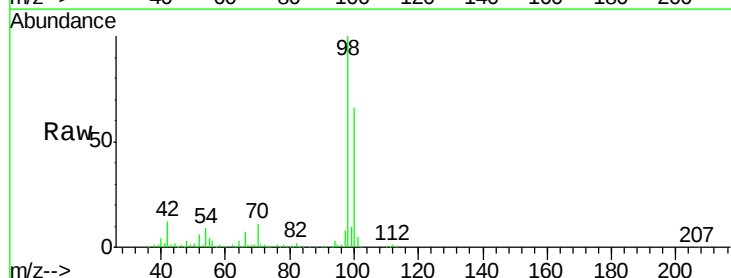


Abundance Ion 83.00 (82.70 to 83.70): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.00 (97.70 to 98.70): VDC

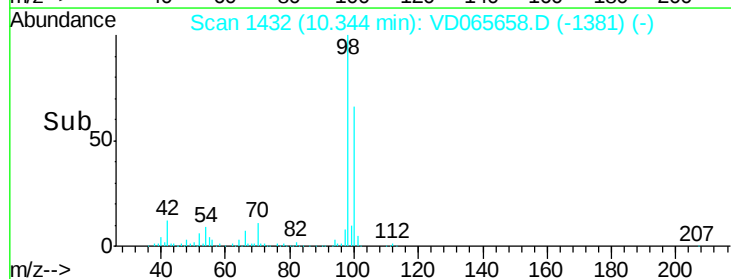
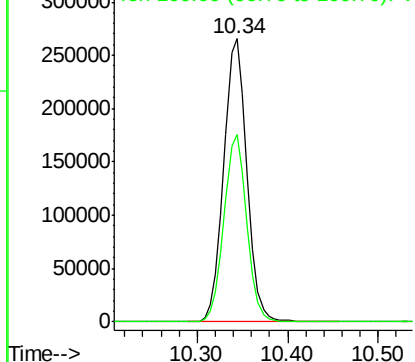


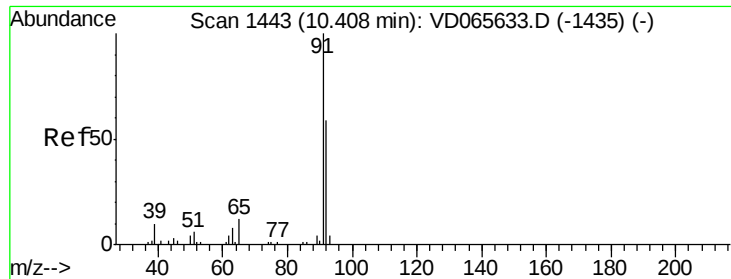
#50  
Toluene-d8  
Concen: 56.014 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065658.D  
Acq: 17 Apr 2020 21:42

Tgt Ion: 98 Resp: 471106  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 3.531 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

Instrument :

MSVOA\_D

ClientSampleId :

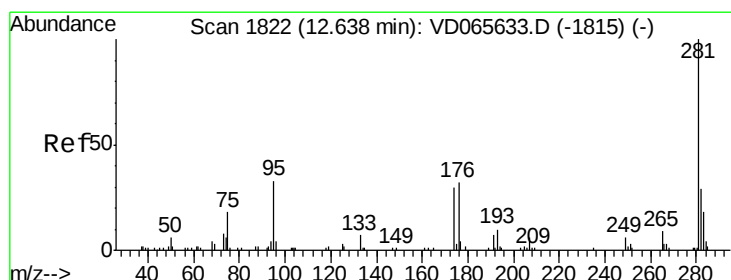
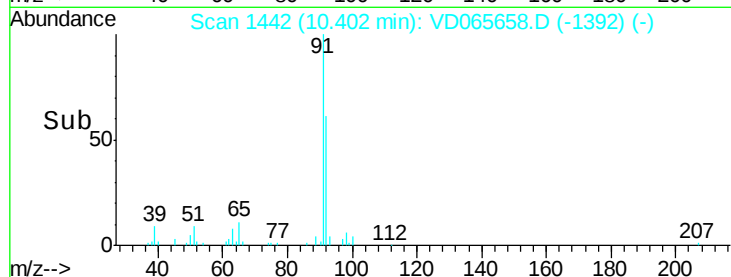
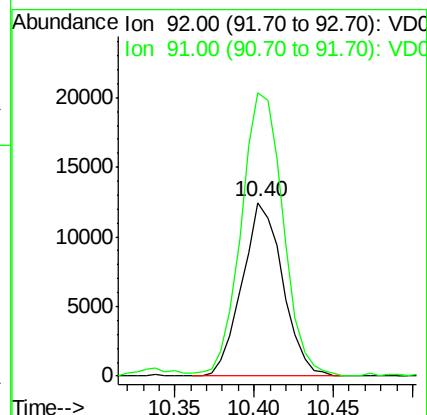
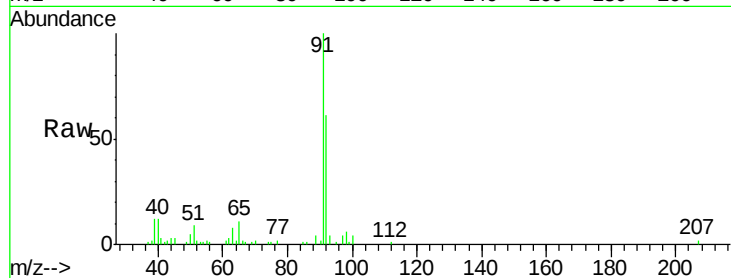
TP-20

Tot Ion: 92 Resp: 22154

Ion Ratio Lower Upper

92 100

91 168.8 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 51.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

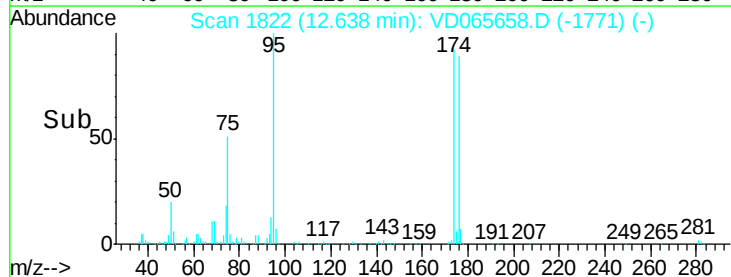
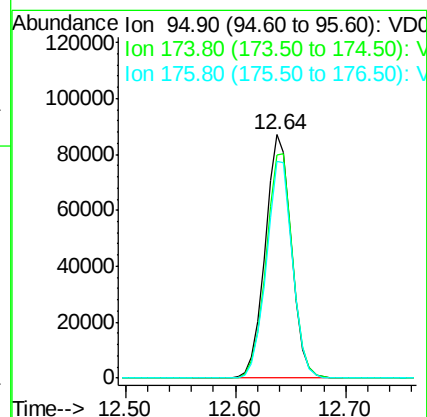
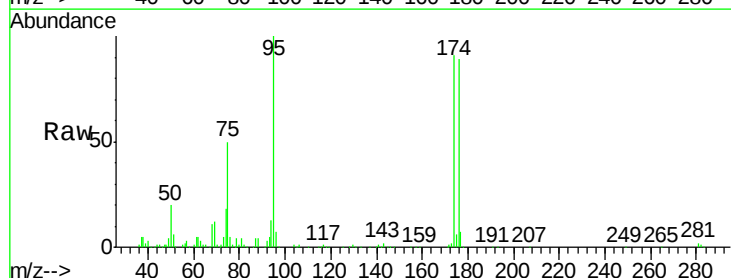
Tgt Ion: 95 Resp: 144957

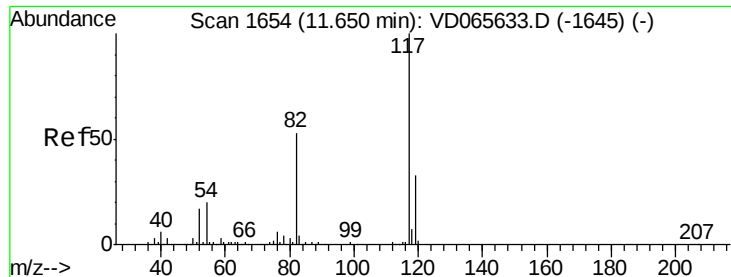
Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.8

176 88.6 0.0 181.4

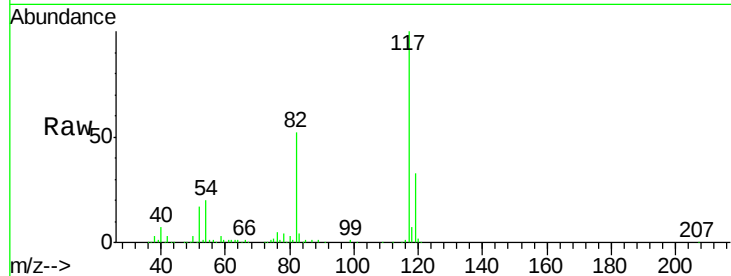




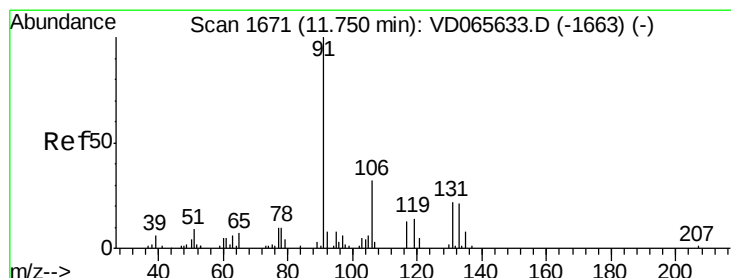
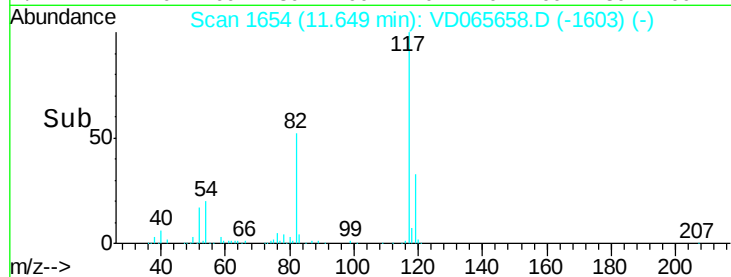
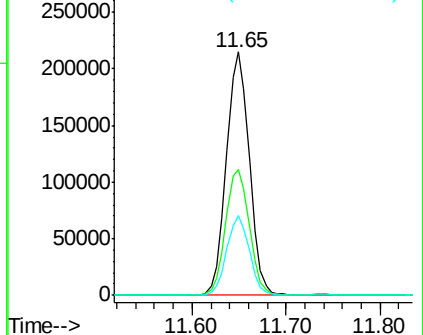
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065658.D  
Acq: 17 Apr 2020 21:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-20

Tot Ion:117 Resp: 365892  
Ion Ratio Lower Upper  
117 100  
82 51.5 43.2 64.8  
119 32.6 26.2 39.4

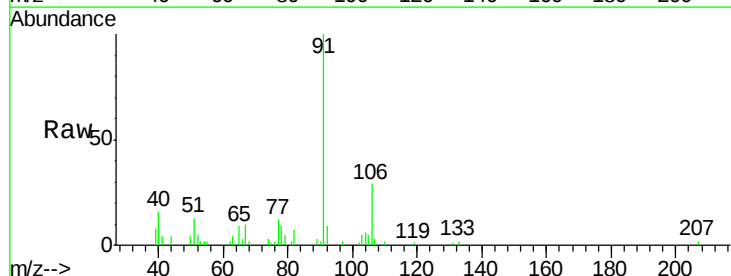


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VDC  
Ion 118.90 (118.60 to 119.60): V

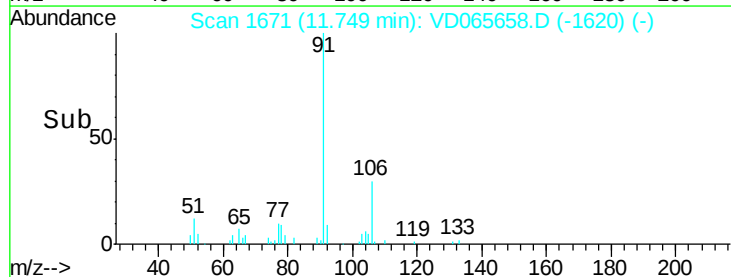
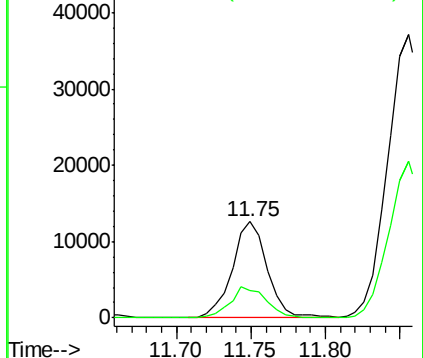


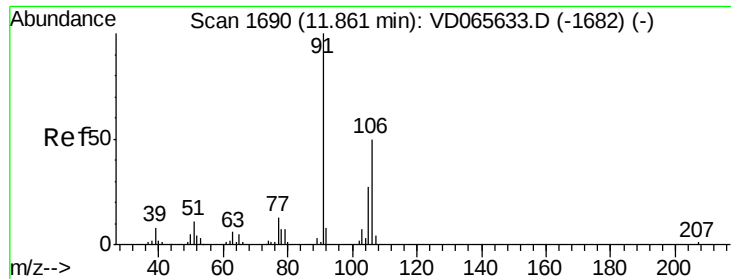
#67  
Ethyl Benzene  
Concen: 1.674 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD065658.D  
Acq: 17 Apr 2020 21:42

Tgt Ion: 91 Resp: 20722  
Ion Ratio Lower Upper  
91 100  
106 29.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 106.00 (105.70 to 106.70): V

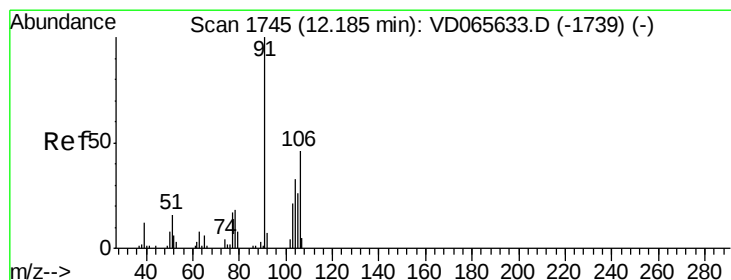
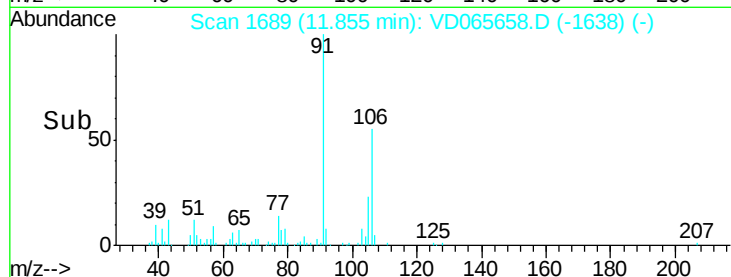
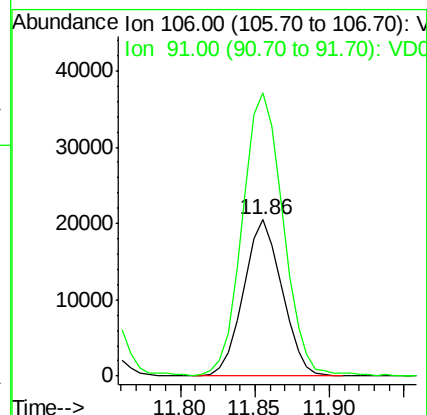
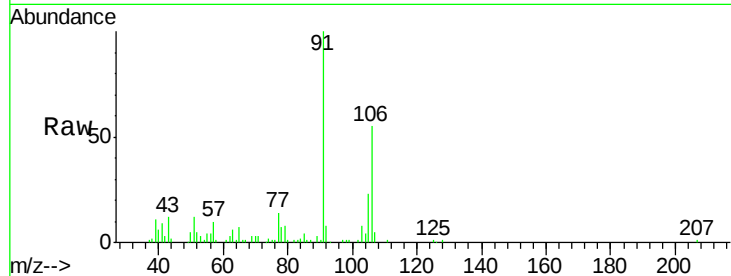




#68  
m/p-Xvlenes  
Concen: 7.648 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VD065658.D  
Acq: 17 Apr 2020 21:42

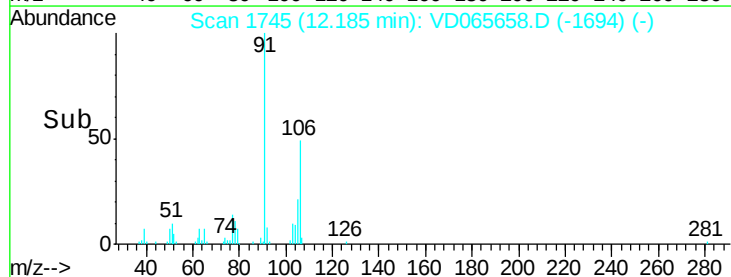
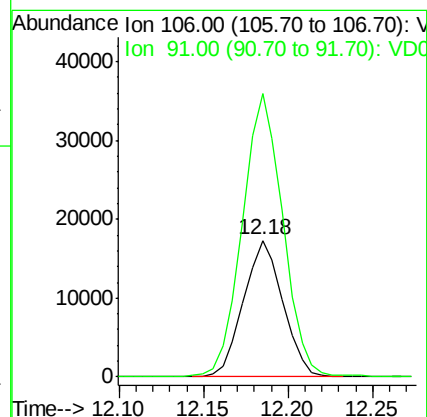
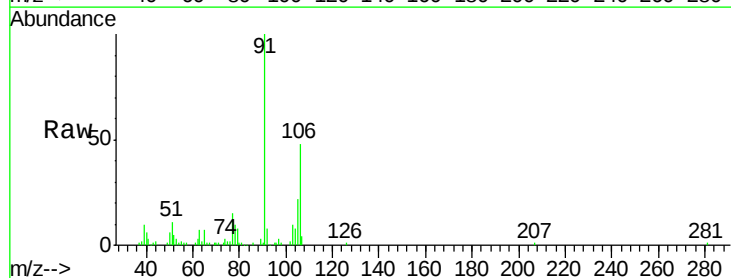
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-20

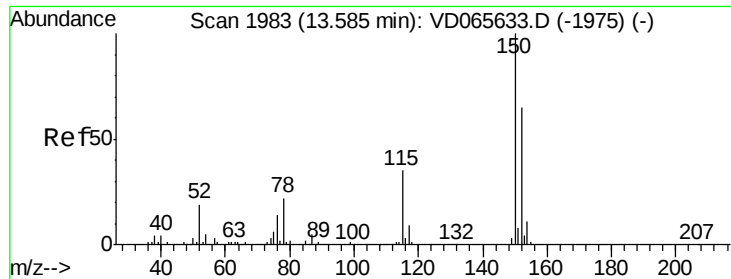
Tot Ion:106 Resp: 36579  
Ion Ratio Lower Upper  
106 100  
91 192.0 157.9 236.9



#69  
o-Xylene  
Concen: 6.697 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD065658.D  
Acq: 17 Apr 2020 21:42

Tgt Ion:106 Resp: 28104  
Ion Ratio Lower Upper  
106 100  
91 213.5 103.6 310.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

Instrument :

MSVOA\_D

ClientSampleId :

TP-20

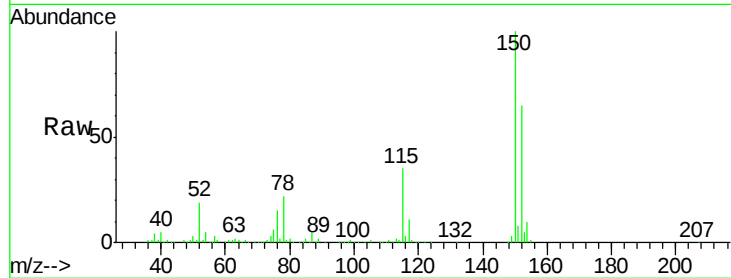
Tot Ion:152 Resp: 172198

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.7

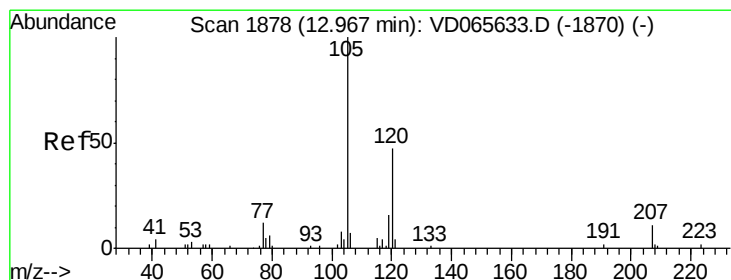
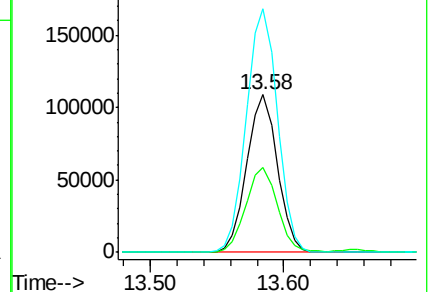
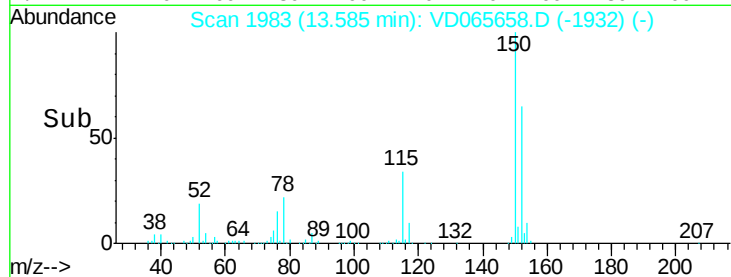
150 156.3 0.0 346.0



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



#80

1,3,5-Trimethylbenzene

Concen: 3.463 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065658.D

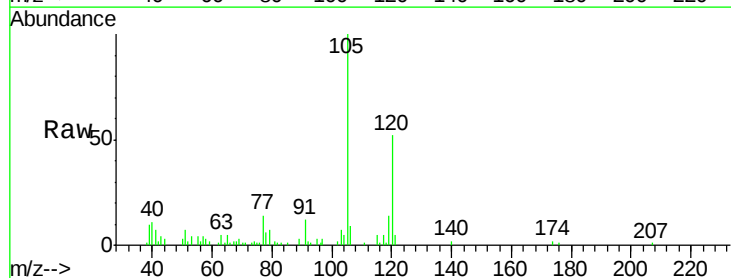
Acq: 17 Apr 2020 21:42

Tgt Ion:105 Resp: 30348

Ion Ratio Lower Upper

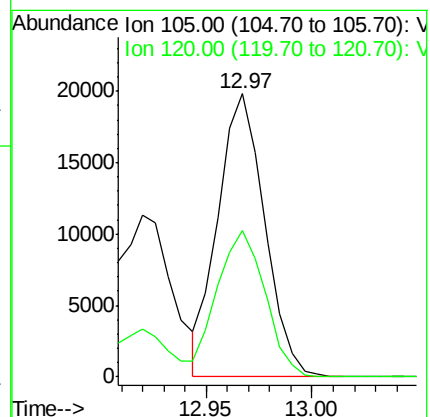
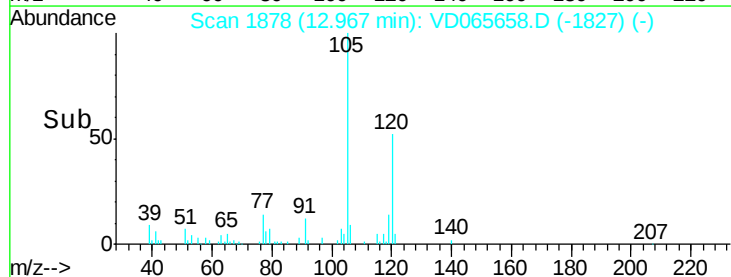
105 100

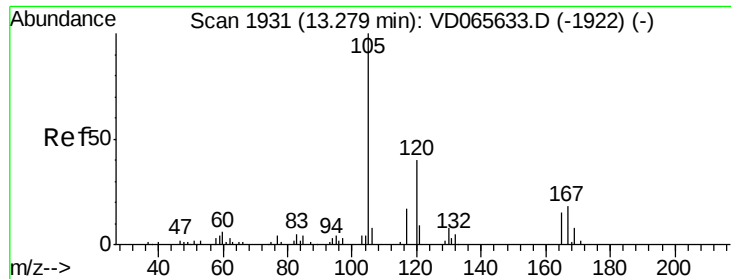
120 54.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 5.629 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

Instrument :

MSVOA\_D

ClientSampleId :

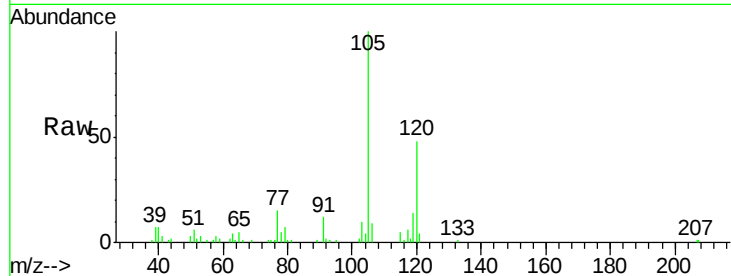
TP-20

Tot Ion:105 Resp: 49188

Ion Ratio Lower Upper

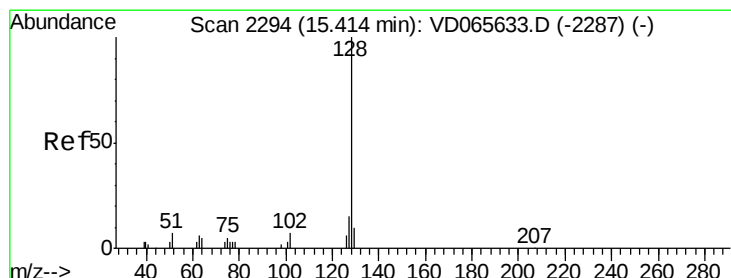
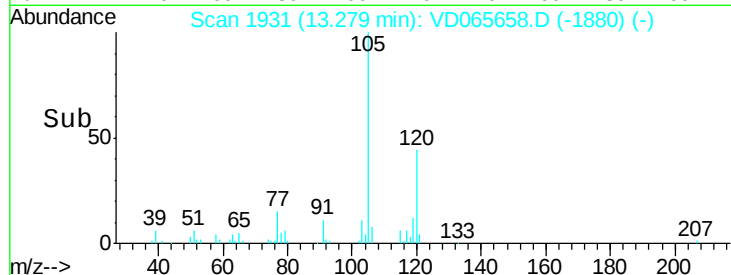
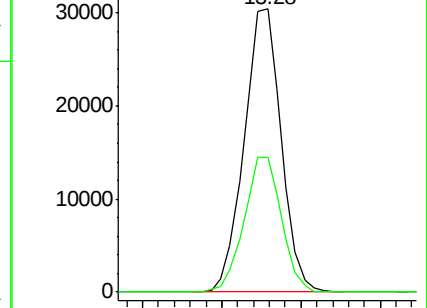
105 100

120 48.0 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 116.884 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065658.D

Acq: 17 Apr 2020 21:42

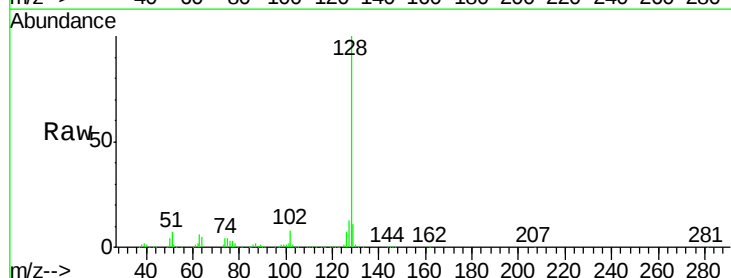
Tgt Ion:128 Resp: 670527

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

