

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\  
 Data File : VD059712.D  
 Acq On : 8 Aug 2018 14:46  
 Operator : VA/AP  
 Sample : J4297-04RE  
 Misc : 5.52g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-4RE

Manual Integrations  
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 8/8/2018 4:51:37 PM

Quant Time: Aug 08 15:21:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 08 02:03:19 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 196876   | 50.00  | ug/l    | 0.02     |
| 34) 1,4-Difluorobenzene     | 6.70  | 114  | 273707   | 50.00  | ug/l    | 0.02     |
| 63) Chlorobenzene-d5        | 10.70 | 117  | 146623   | 50.00  | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 12.92 | 152  | 82917    | 50.00  | ug/l    | 0.02     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 111205   | 43.91  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.82%  |          |
| 35) Dibromofluoromethane    | 5.55  | 113  | 99907    | 40.64  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.28%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 194884   | 36.42  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 72.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.93 | 95   | 207823   | 84.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 168.30% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.61  | 43   | 69860    | 146.85 | ug/l    | 97       |
| 25) 2-Butanone              | 4.84  | 43   | 28648    | 45.85  | ug/l    | 100      |
| 39) Methylcyclohexane       | 7.29  | 83   | 67270    | 26.16  | ug/l    | 97       |
| 73) Isopropylbenzene        | 11.79 | 105  | 31857m   | 5.72   | ug/l    |          |
| 78) n-propylbenzene         | 12.17 | 91   | 26860m   | 3.89   | ug/l    |          |
| 85) sec-Butylbenzene        | 12.78 | 105  | 101498m  | 17.59  | ug/l    |          |

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

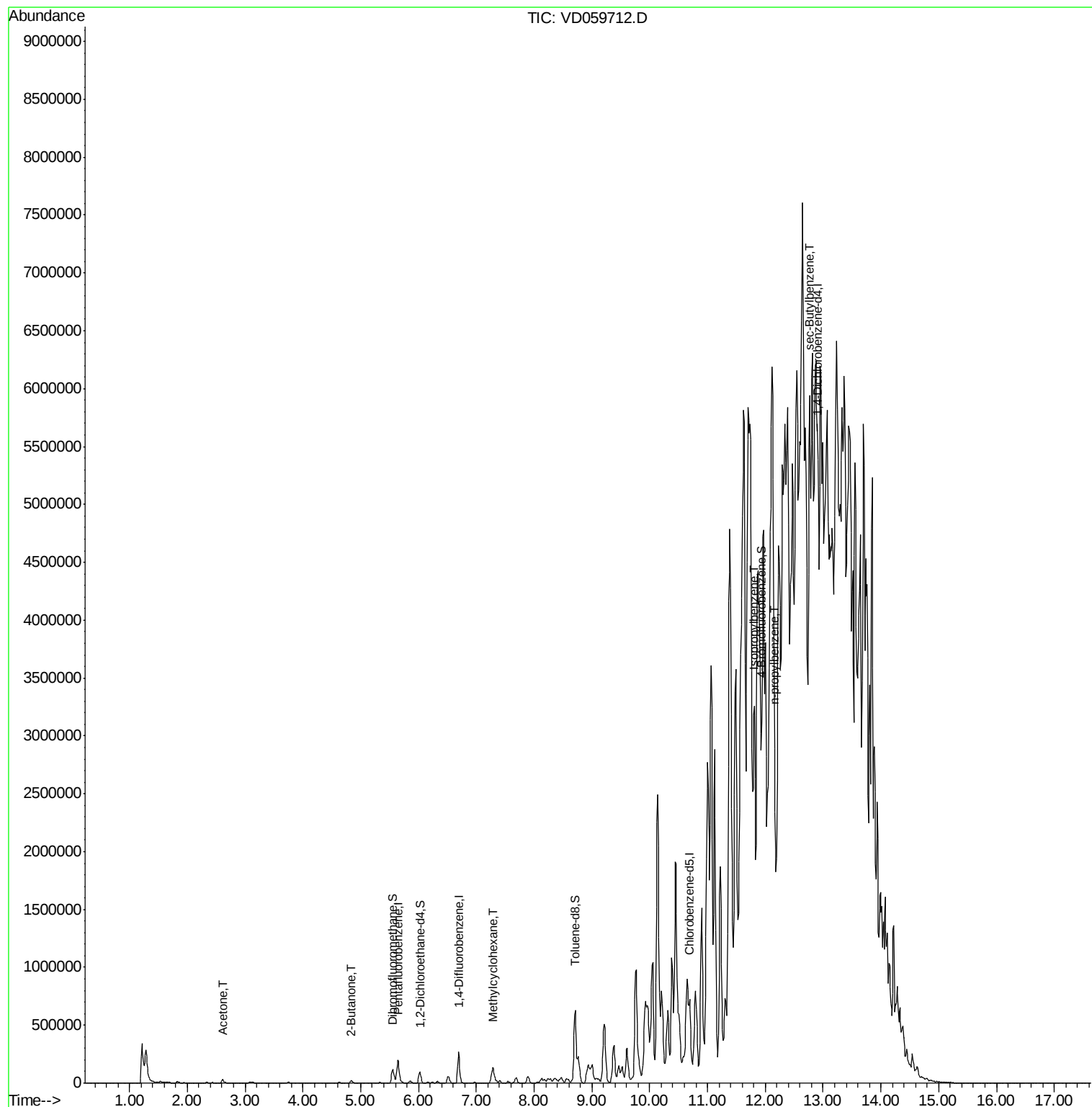
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080818\  
Data File : VD059712.D  
Acq On : 8 Aug 2018 14:46  
Operator : VA/AP  
Sample : J4297-04RE  
Misc : 5.52g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

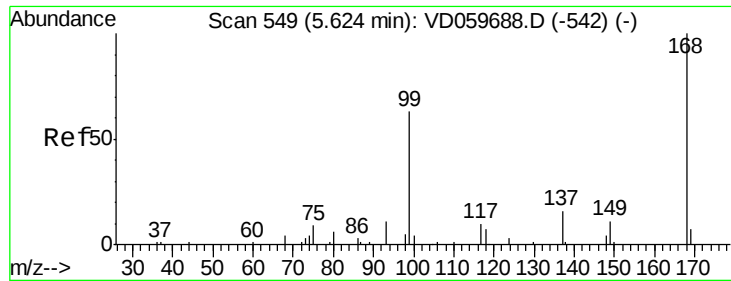
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-4RE

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Quant Time: Aug 08 15:21:17 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080618S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 08 02:03:19 2018  
Response via : Initial Calibration





#1

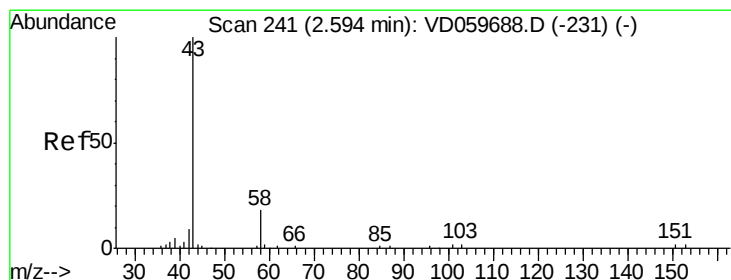
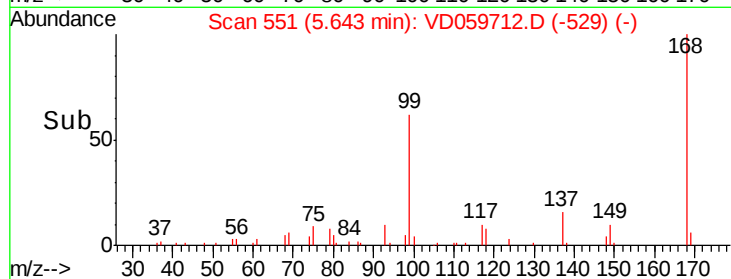
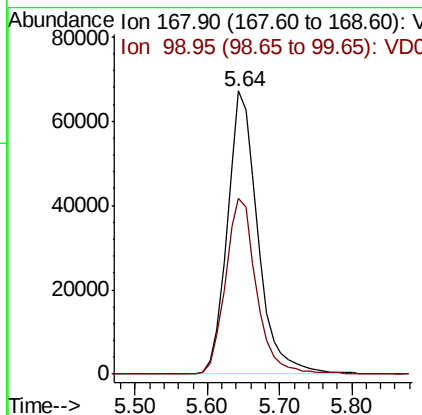
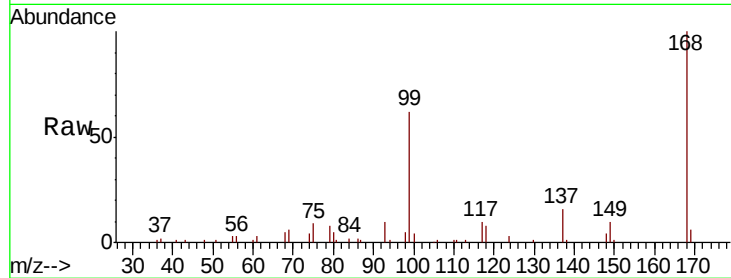
Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.64 min Scan# 551  
 Delta R.T. 0.02 min  
 Lab File: VD059712.D  
 Acq: 8 Aug 2018 14:46

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-4RE

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 196876 |       |       |
| 99      | 62.2  | 53.4   | 80.2  |       |

Manual Integrations  
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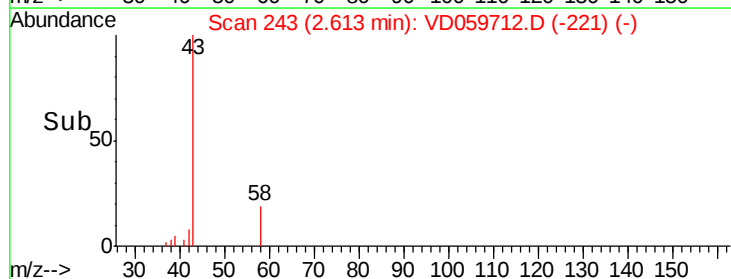
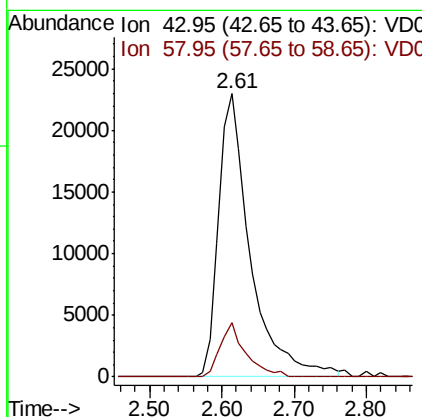
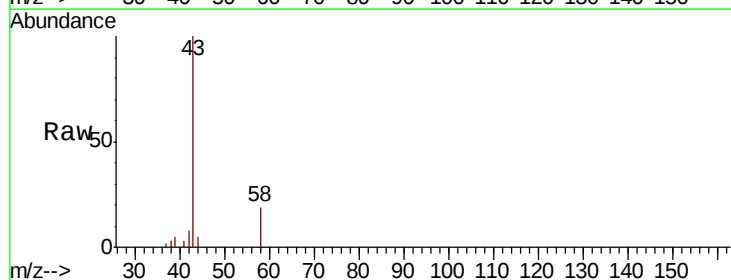
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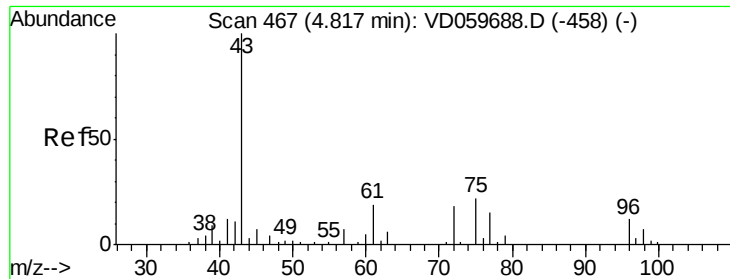


#16

Acetone  
 Concen: 146.85 ug/l  
 RT: 2.61 min Scan# 243  
 Delta R.T. 0.02 min  
 Lab File: VD059712.D  
 Acq: 8 Aug 2018 14:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 69860 |       |       |
| 58      | 19.1  | 14.2  | 21.2  |       |





#25

2-Butanone

Concen: 45.85 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD059712.D

Acq: 8 Aug 2018 14:46

Instrument :

MSVOA\_D

ClientSampled :

TP-4RE

Tot Ion: 43 Resp: 28648

Ion Ratio Lower Upper

43 100

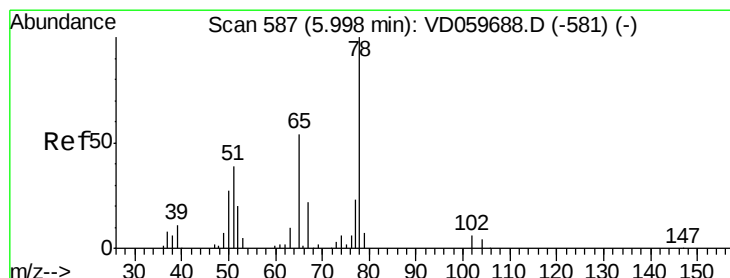
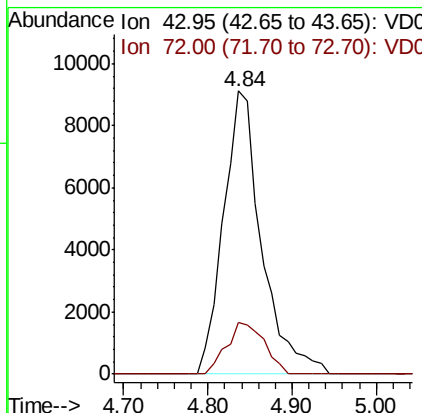
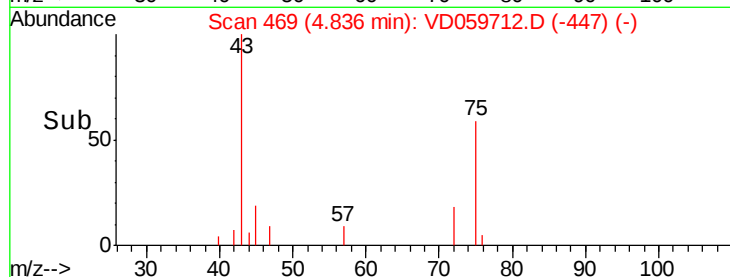
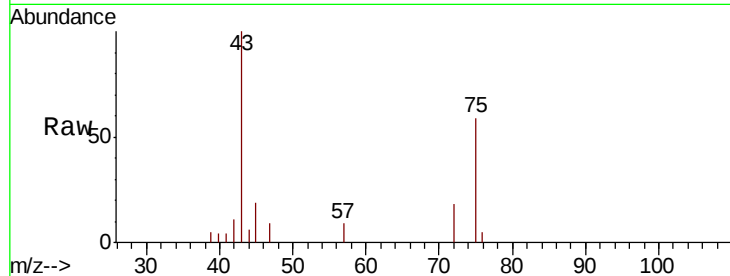
72 18.2 14.6 21.8

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.03 min

Lab File: VD059712.D

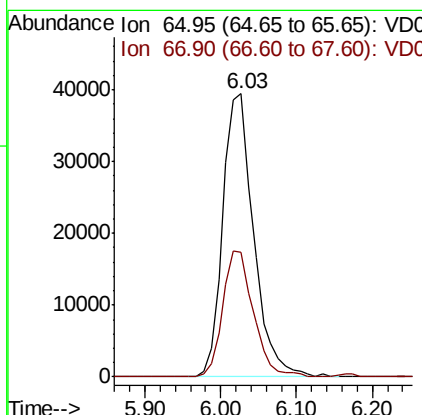
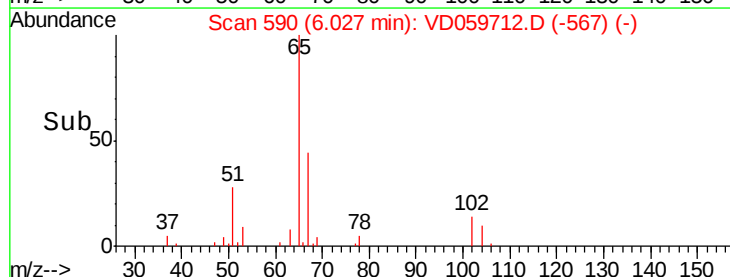
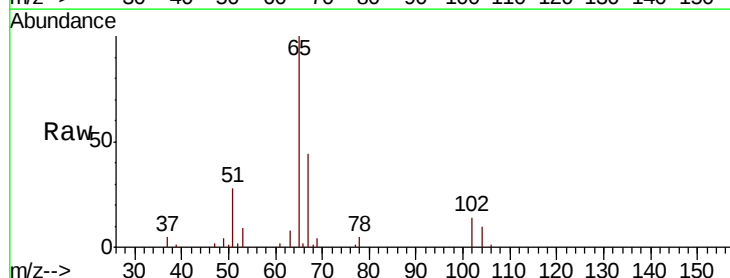
Acq: 8 Aug 2018 14:46

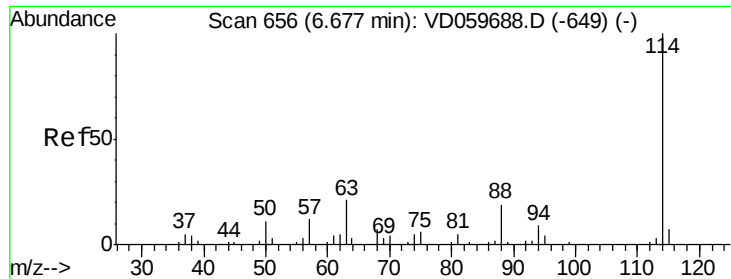
Tgt Ion: 65 Resp: 111205

Ion Ratio Lower Upper

65 100

67 44.2 0.0 80.4





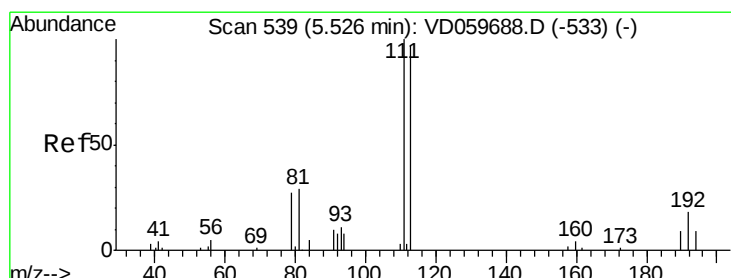
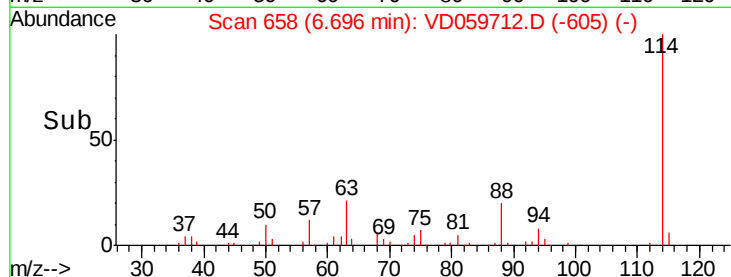
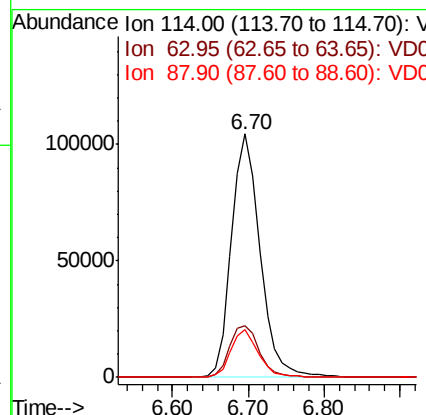
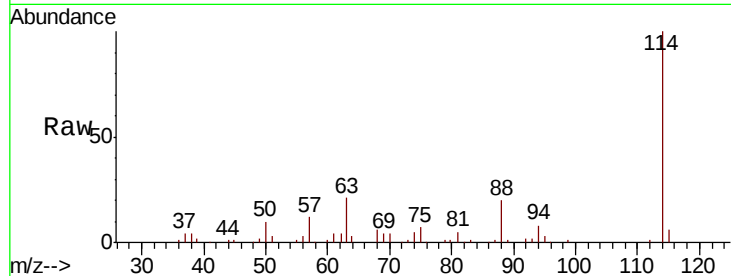
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.70 min Scan# 658  
 Delta R.T. 0.02 min  
 Lab File: VD059712.D  
 Acq: 8 Aug 2018 14:46

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-4RE

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 114     | 100   |            |       |
| 63      | 21.0  | 0.0        | 42.6  |
| 88      | 19.7  | 0.0        | 38.8  |

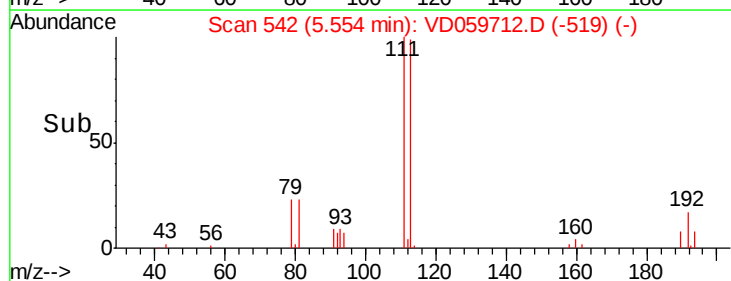
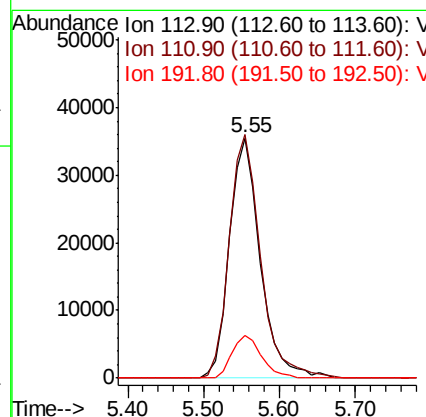
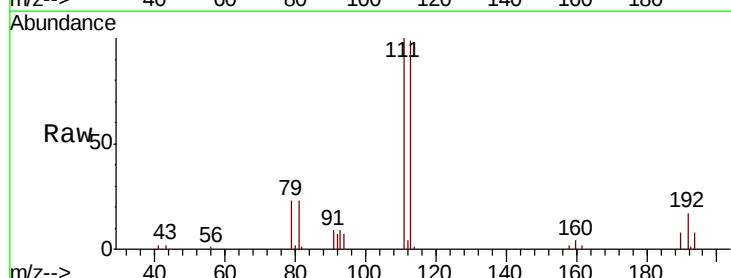
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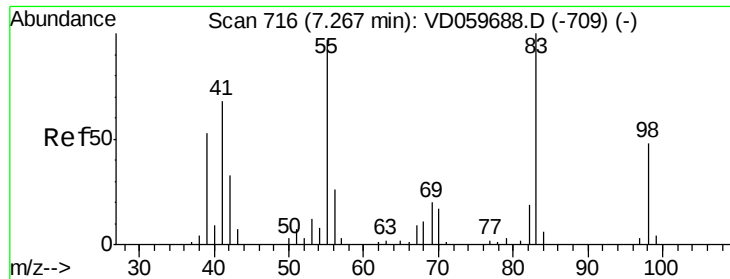
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#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 5.55 min Scan# 542  
 Delta R.T. 0.03 min  
 Lab File: VD059712.D  
 Acq: 8 Aug 2018 14:46

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 113     | 100   |            |       |
| 111     | 101.3 | 82.8       | 124.2 |
| 192     | 17.7  | 14.6       | 22.0  |





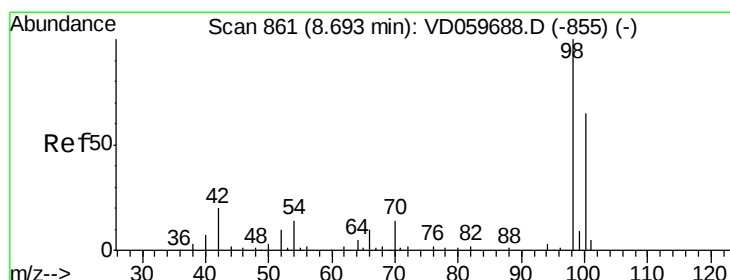
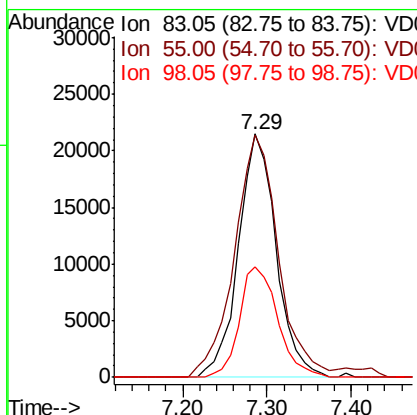
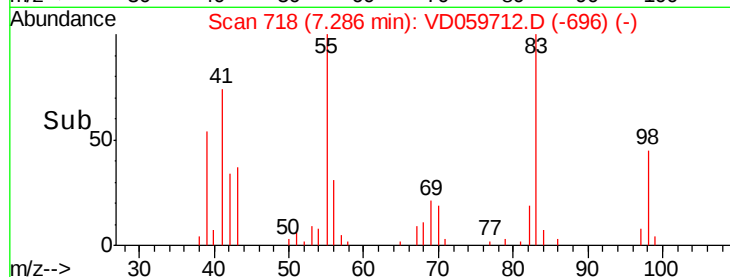
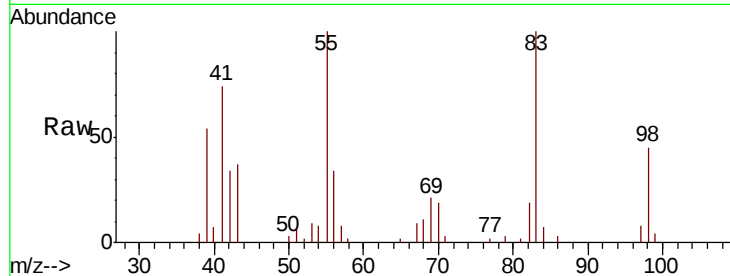
#39  
Methylcyclohexane  
Concen: 26.16 ug/l  
RT: 7.29 min Scan# 718  
Delta R.T. 0.02 min  
Lab File: VD059712.D  
Acq: 8 Aug 2018 14:46

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-4RE

Tot Ion: 83 Resp: 67270  
Ion Ratio Lower Upper  
83 100  
55 99.5 77.7 116.5  
98 45.4 38.7 58.1

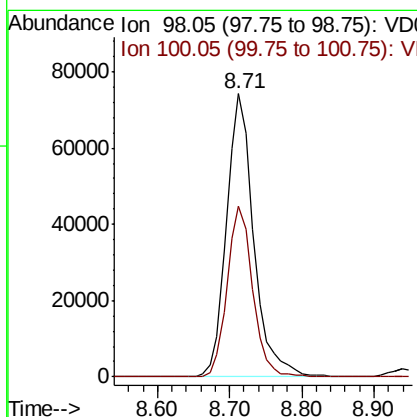
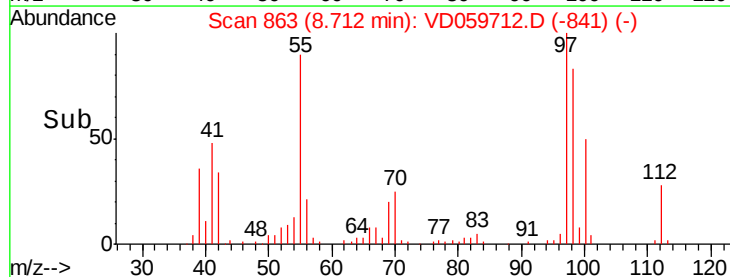
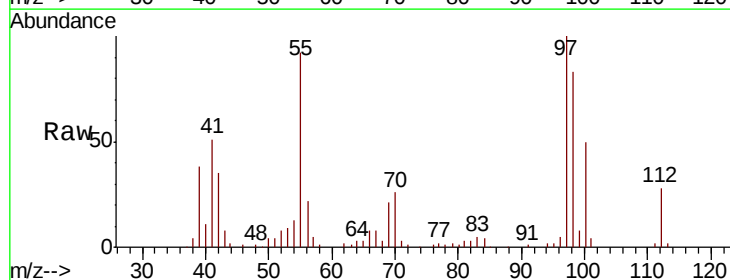
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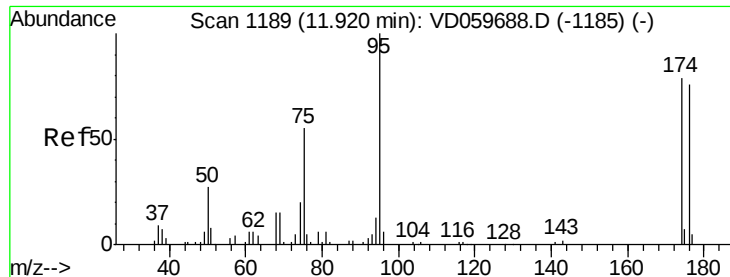
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#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 8.71 min Scan# 863  
Delta R.T. 0.02 min  
Lab File: VD059712.D  
Acq: 8 Aug 2018 14:46

Tgt Ion: 98 Resp: 194884  
Ion Ratio Lower Upper  
98 100  
100 60.5 52.5 78.7





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059712.D

Acq: 8 Aug 2018 14:46

Instrument :

MSVOA\_D

ClientSampled :

TP-4RE

Tot Ion: 95 Resp: 207823  
Ion Ratio Lower Upper

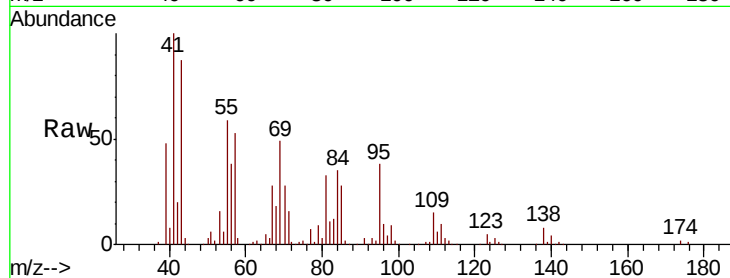
95 100

174 4.0 0.0 158.4

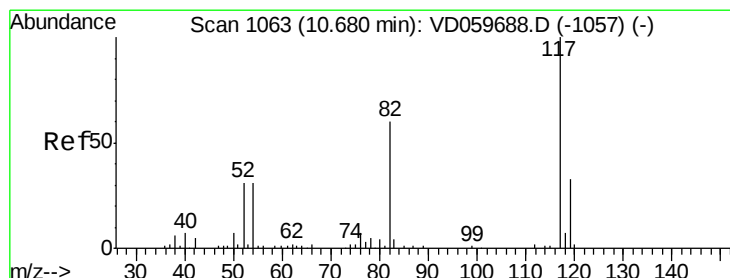
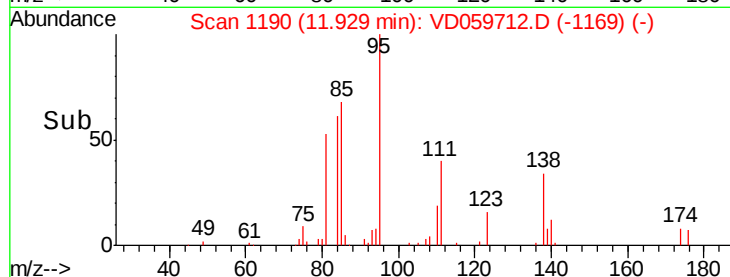
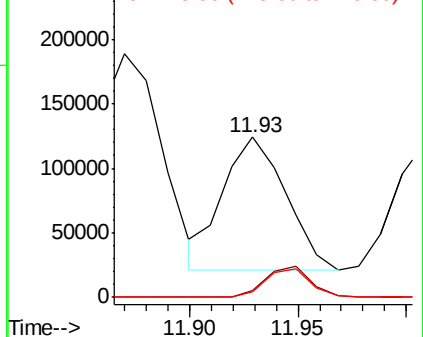
176 3.4 0.0 153.0

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Abundance Ion 95.00 (94.70 to 95.70): V  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1065

Delta R.T. 0.02 min

Lab File: VD059712.D

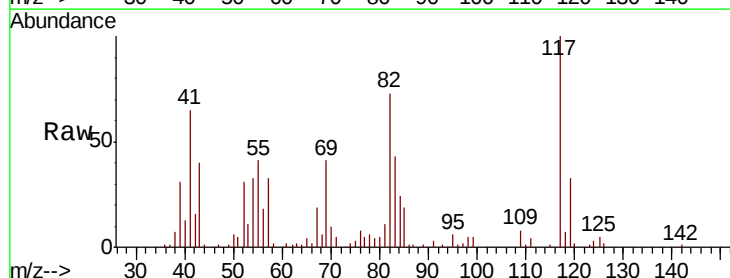
Acq: 8 Aug 2018 14:46

Tgt Ion: 117 Resp: 146623  
Ion Ratio Lower Upper

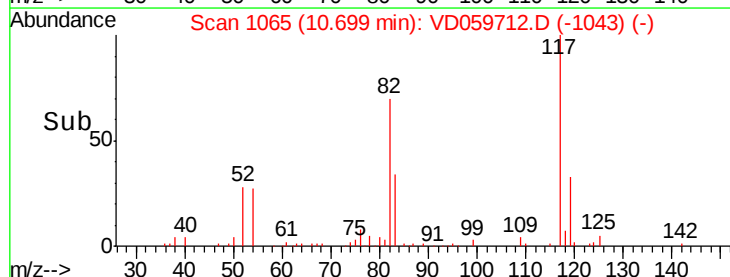
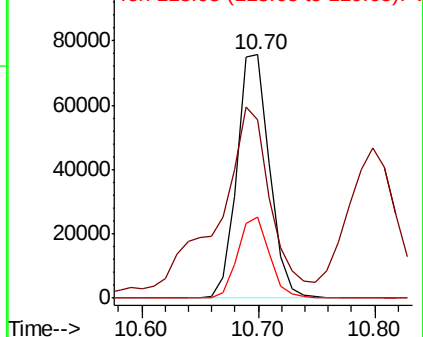
117 100

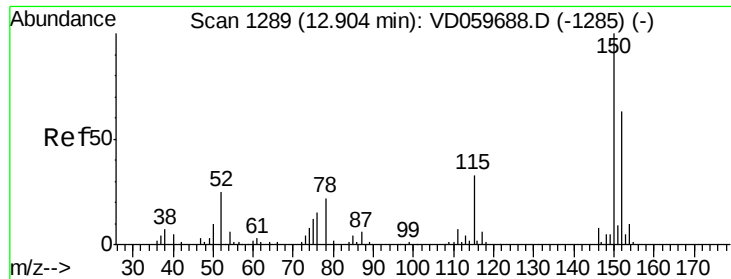
82 73.2 47.7 71.5#

119 33.1 26.6 40.0



Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.92 min Scan# 1291

Delta R.T. 0.02 min

Lab File: VD059712.D

Acq: 8 Aug 2018 14:46

Instrument :

MSVOA\_D

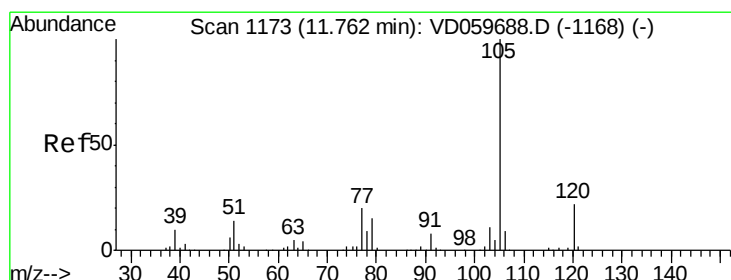
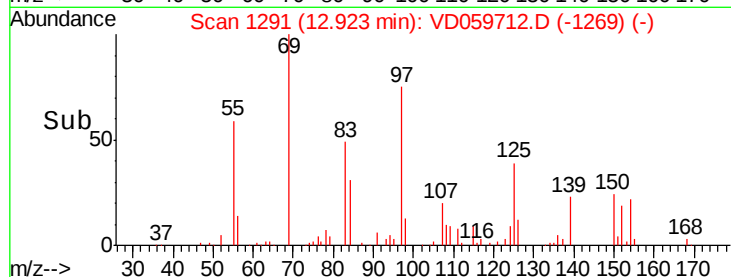
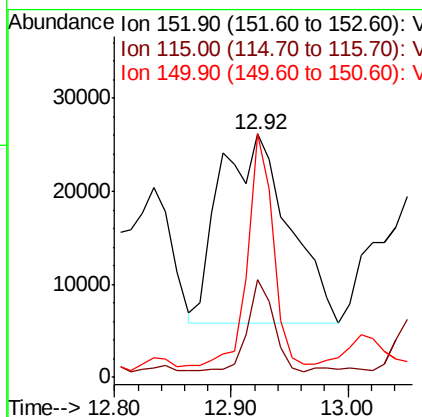
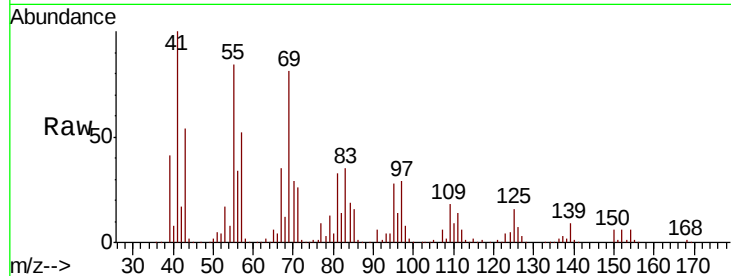
ClientSampled :

TP-4RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 40.2  | 28.8  | 86.4  |
| 150     | 100.1 | 0.0   | 318.0 |

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#73

Isopropylbenzene

Concen: 5.72 ug/l m

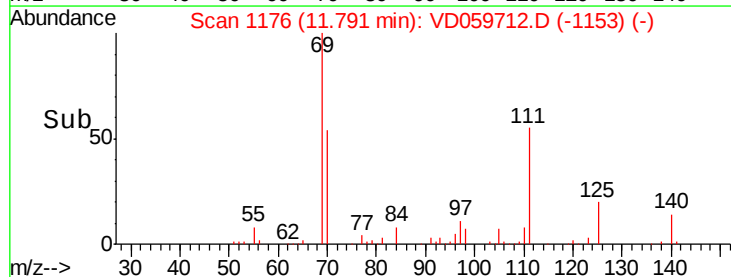
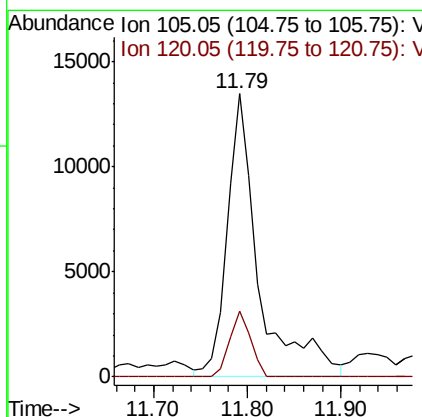
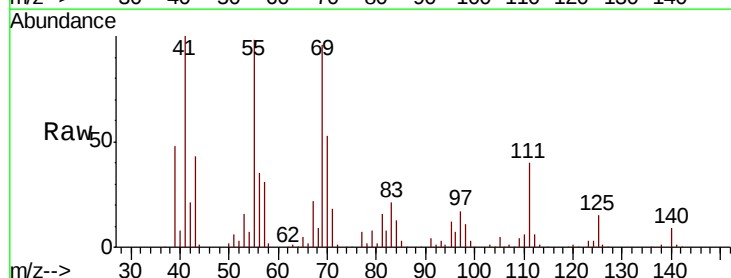
RT: 11.79 min Scan# 1176

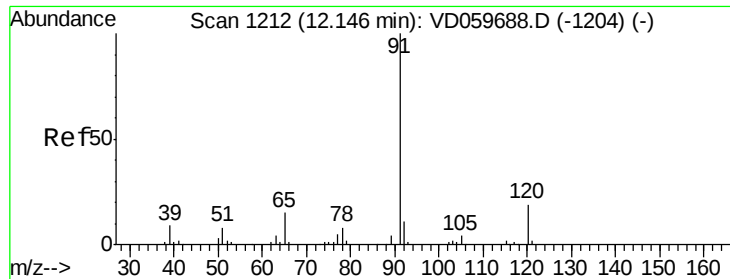
Delta R.T. 0.03 min

Lab File: VD059712.D

Acq: 8 Aug 2018 14:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 23.1  | 10.8  | 32.3  |





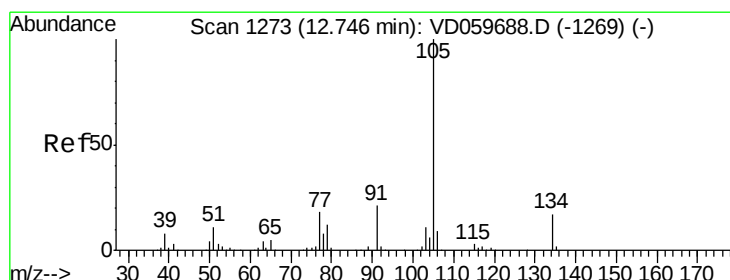
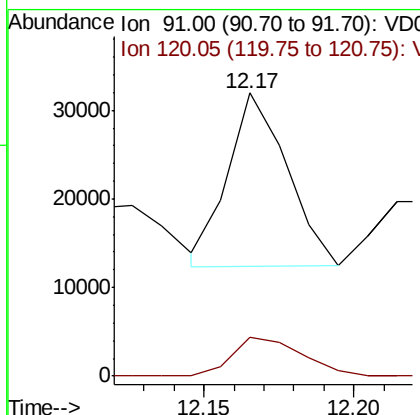
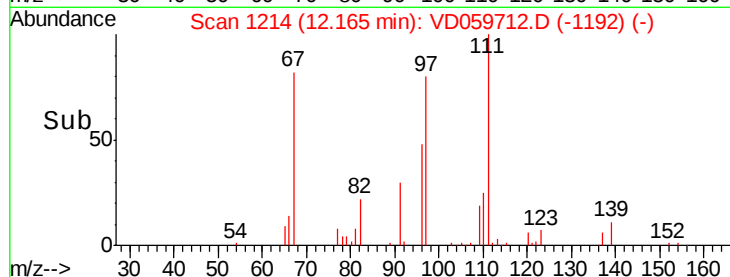
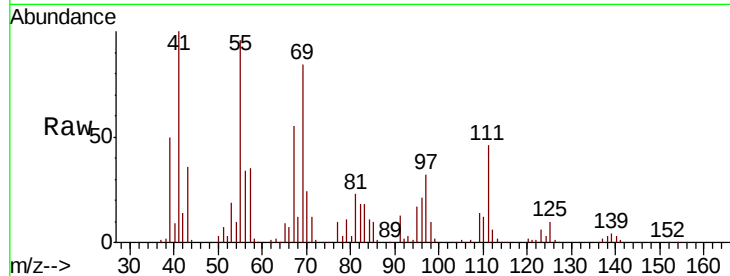
#78  
n-propylbenzene  
Concen: 3.89 ug/l m  
RT: 12.17 min Scan# 1214  
Delta R.T. 0.02 min  
Lab File: VD059712.D  
Acq: 8 Aug 2018 14:46

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-4RE

Tot Ion: 91 Resp: 26860  
Ion Ratio Lower Upper  
91 100  
120 13.7 9.5 28.5

Manual Integrations  
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#85  
sec-Butylbenzene  
Concen: 17.59 ug/l m  
RT: 12.78 min Scan# 1276  
Delta R.T. 0.03 min  
Lab File: VD059712.D  
Acq: 8 Aug 2018 14:46

Tgt Ion:105 Resp: 101498  
Ion Ratio Lower Upper  
105 100  
134 21.7 8.3 24.9

