

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\  
 Data File : VN049700.D  
 Acq On : 3 Jul 2018 18:05  
 Operator : MD\SY  
 Sample : PB110796ZHE#03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110796ZHE#03

Quant Time: Jul 04 00:26:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

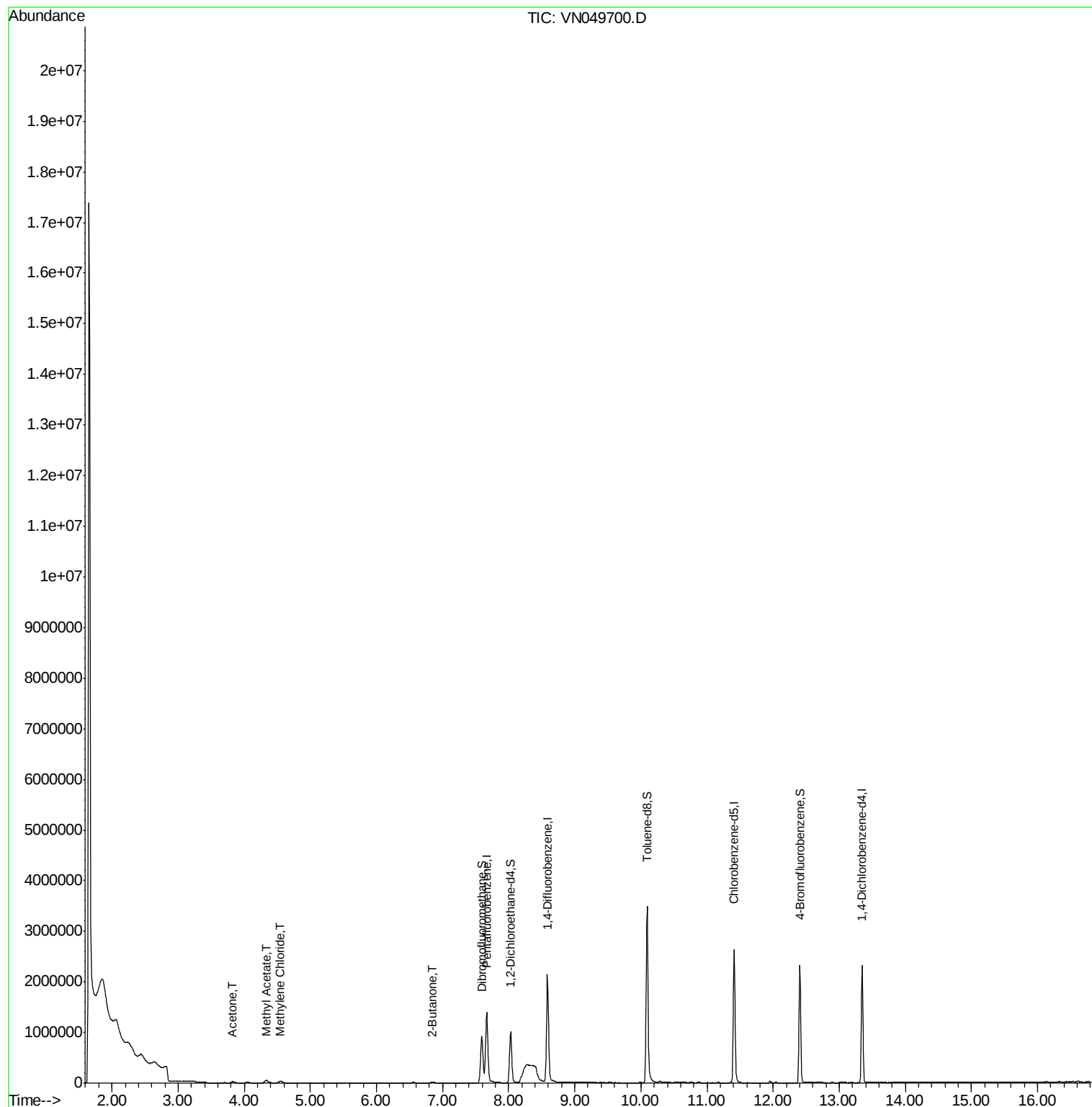
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1254846  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2024057  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1672106  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 664707   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 862755   | 52.06 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.12% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 717403   | 47.41 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.82%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2694138  | 45.49 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 801795   | 39.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.30%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 43891    | 5.370 | ug/l    | 95       |
| 18) Methyl Acetate          | 4.33  | 43   | 101224   | 1.627 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 29448    | 1.726 | ug/l    | 87       |
| 25) 2-Butanone              | 6.85  | 43   | 23944    | 4.352 | ug/l    | 90       |

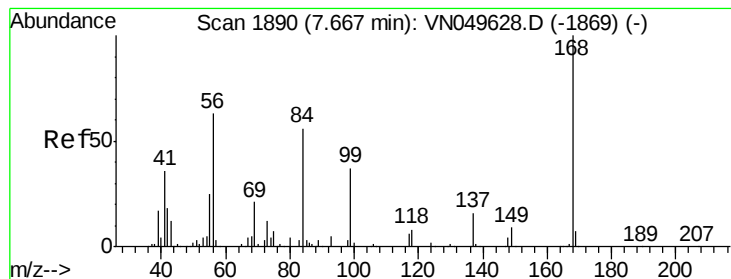
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 30 00:55:30 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049700.D

Acq: 3 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

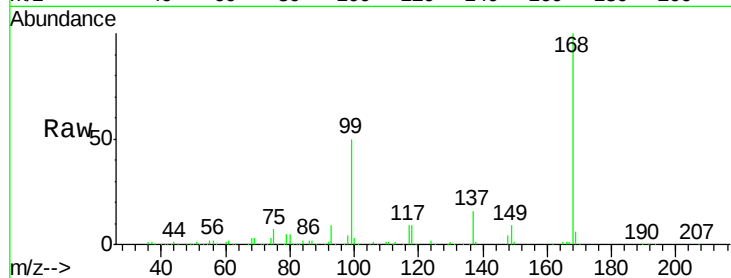
PB110796ZHE#03

Tot Ion:168 Resp: 1254846

Ion Ratio Lower Upper

168 100

99 50.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

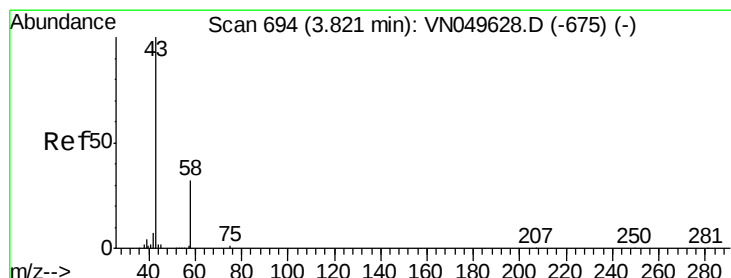
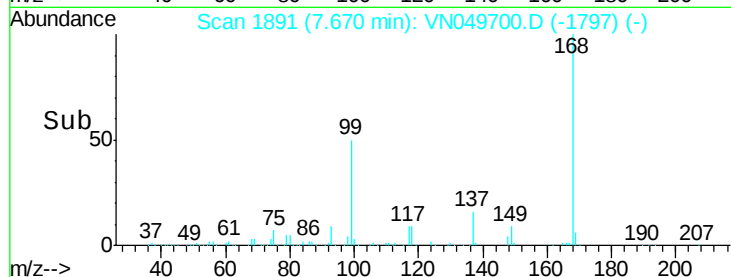
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 5.370 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049700.D

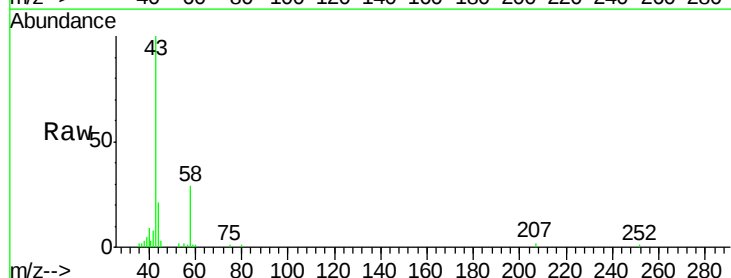
Acq: 3 Jul 2018 18:05

Tgt Ion: 43 Resp: 43891

Ion Ratio Lower Upper

43 100

58 29.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

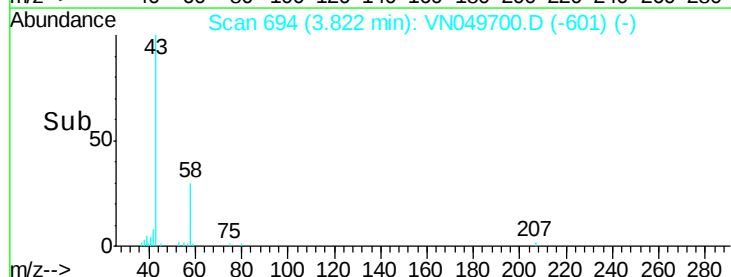
15000

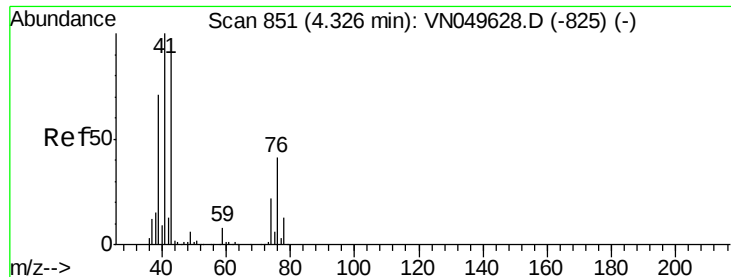
10000

5000

0

Time--> 3.70 3.80 3.90

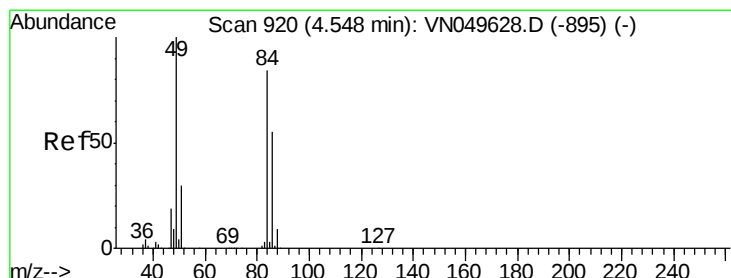
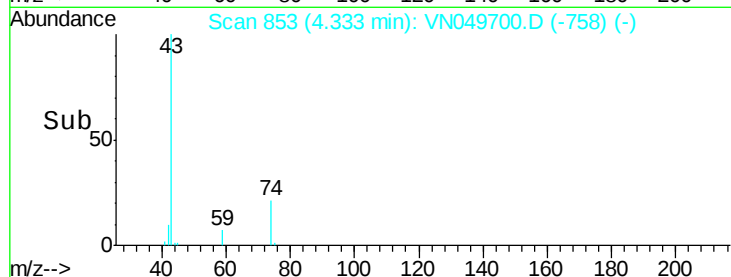
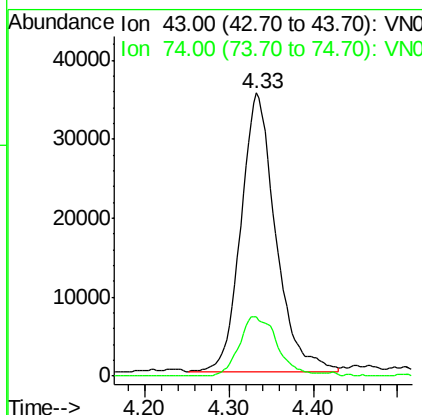
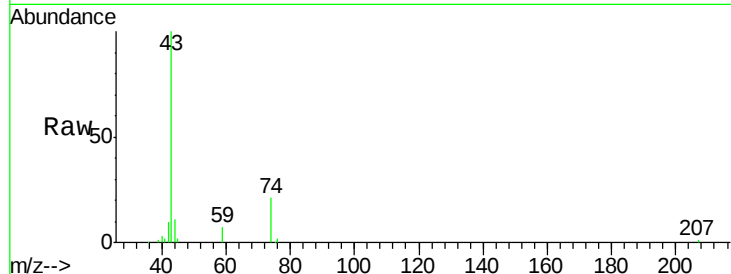




#18  
Methvl Acetate  
Concen: 1.627 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049700.D  
Acq: 3 Jul 2018 18:05

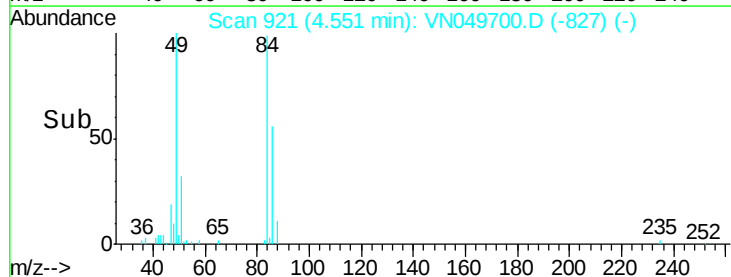
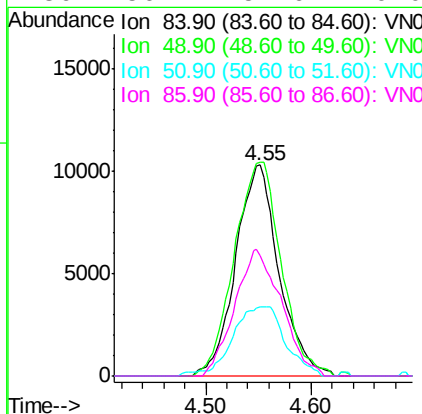
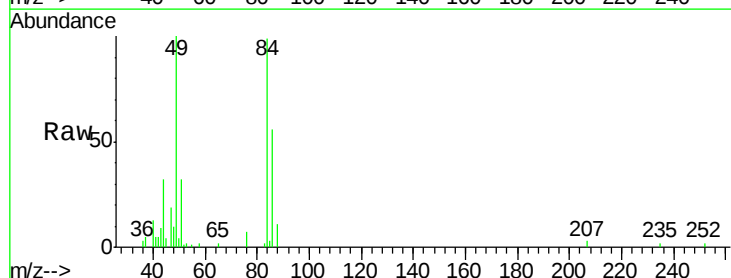
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110796ZHE#03

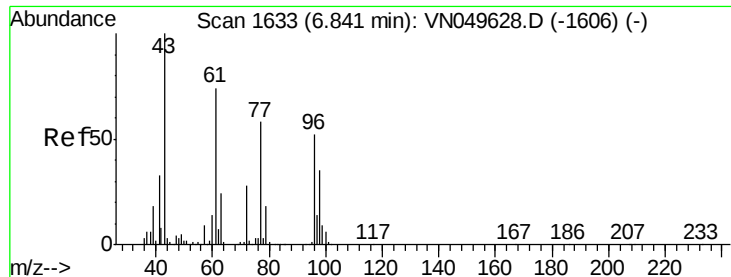
Tot Ion: 43 Resp: 101224  
Ion Ratio Lower Upper  
43 100  
74 23.2 19.8 29.8



#20  
Methylene Chloride  
Concen: 1.726 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049700.D  
Acq: 3 Jul 2018 18:05

Tgt Ion: 84 Resp: 29448  
Ion Ratio Lower Upper  
84 100  
49 101.2 95.4 143.2  
51 32.5 28.4 42.6  
86 56.7 52.6 79.0





#25

2-Butanone

Concen: 4.352 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049700.D

Acq: 3 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

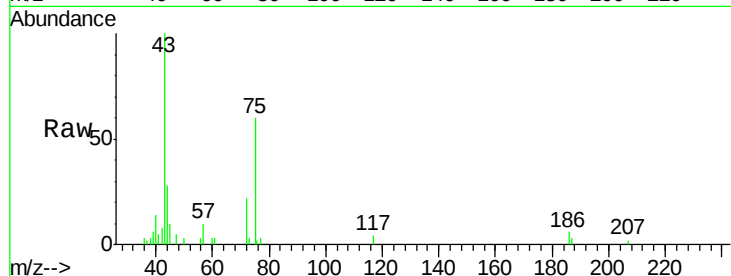
PB110796ZHE#03

Tot Ion: 43 Resp: 23944

Ion Ratio Lower Upper

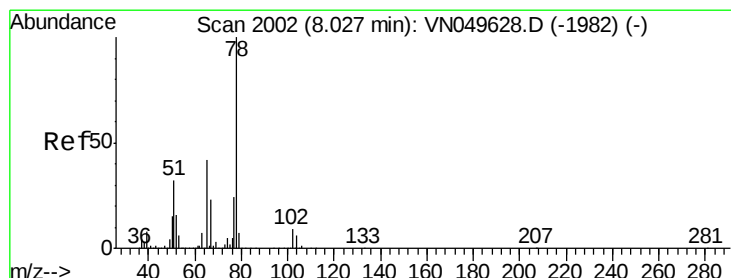
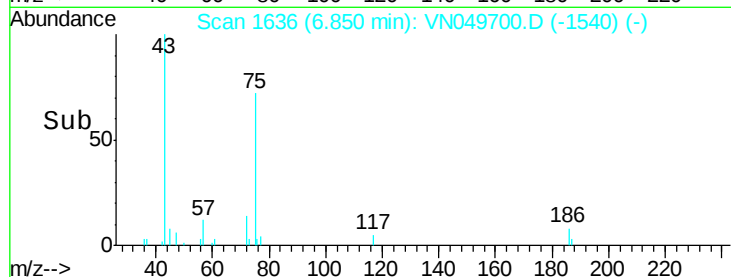
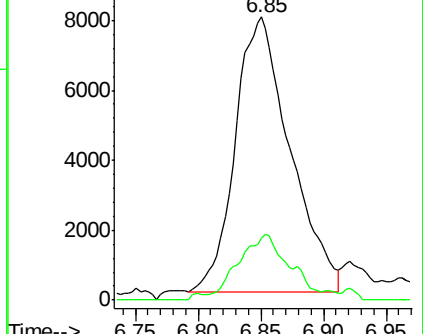
43 100

72 22.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1606) (-)

Ion 72.00 (71.70 to 72.70): VN049628.D (-1606) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.063 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049700.D

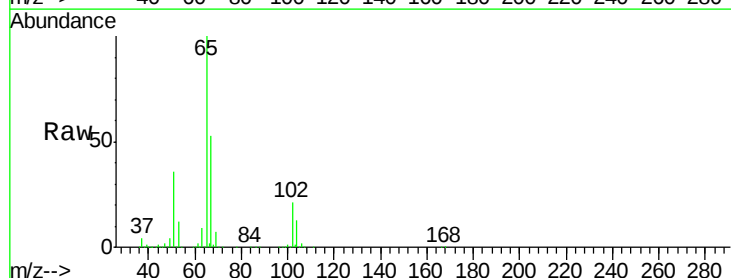
Acq: 3 Jul 2018 18:05

Tgt Ion: 65 Resp: 862755

Ion Ratio Lower Upper

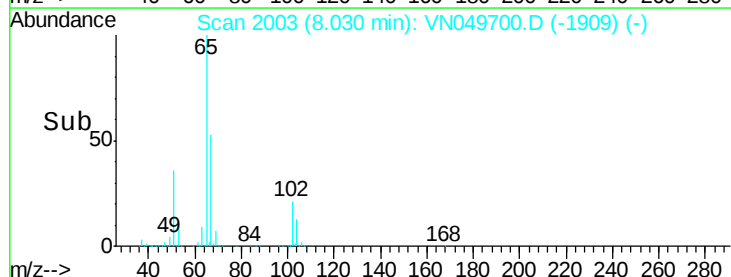
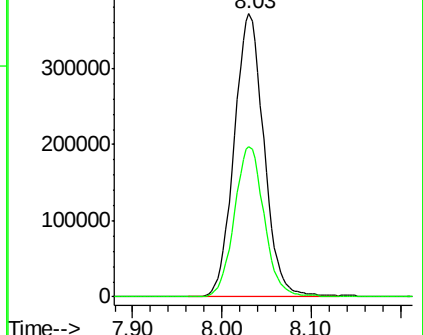
65 100

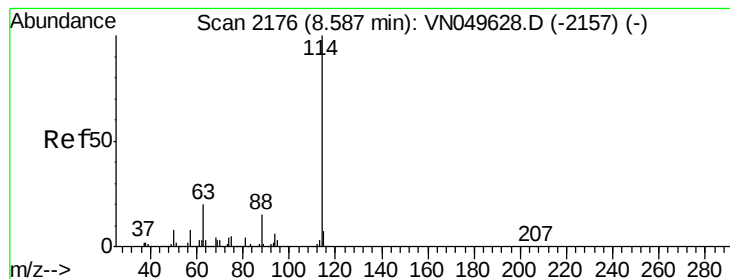
67 53.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049628.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049628.D (-1982) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049700.D

Acq: 3 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

PB110796ZHE#03

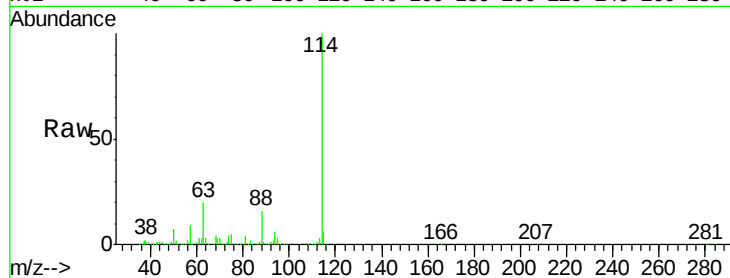
Tot Ion:114 Resp: 2024057

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

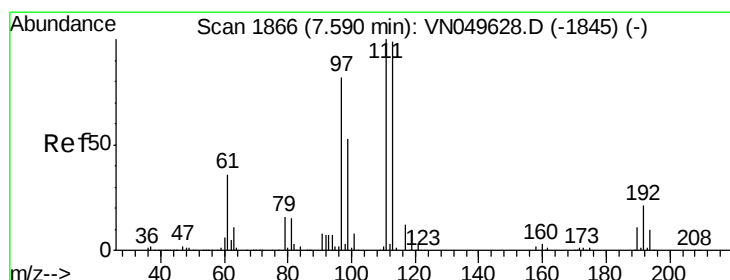
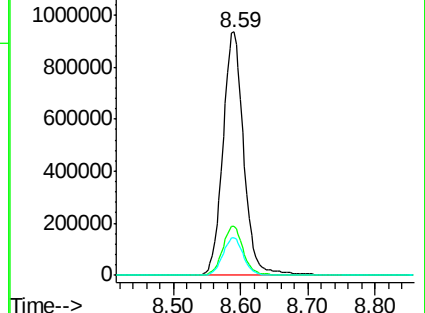
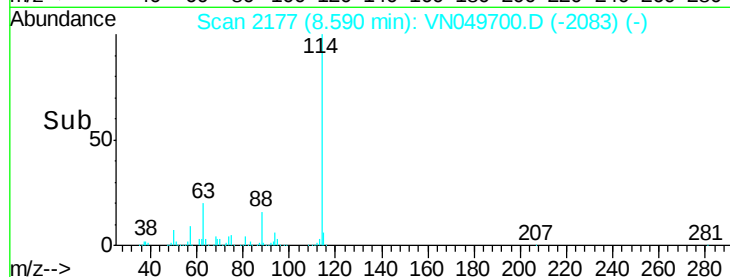
88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.410 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049700.D

Acq: 3 Jul 2018 18:05

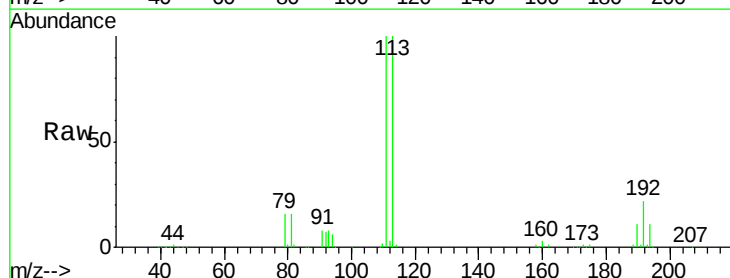
Tgt Ion:113 Resp: 717403

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

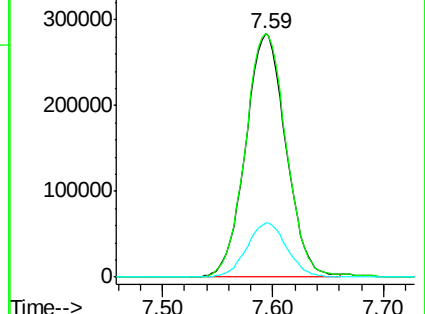
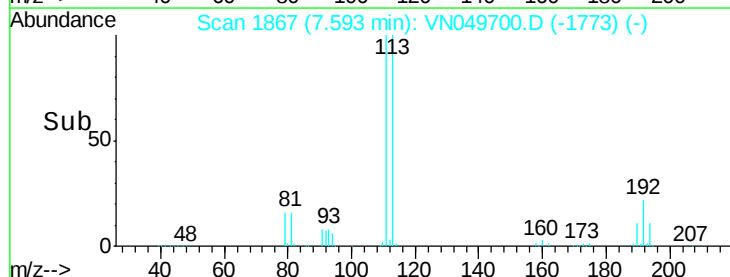
192 22.3 17.8 26.6

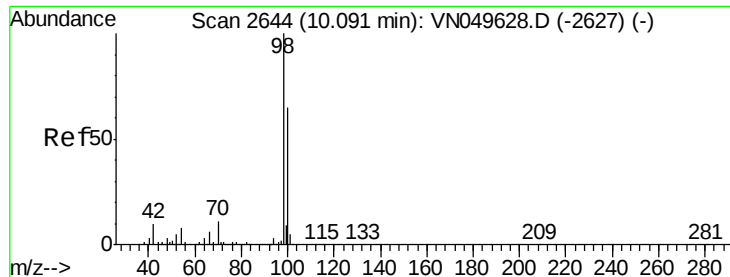


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.486 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049700.D

Acq: 3 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

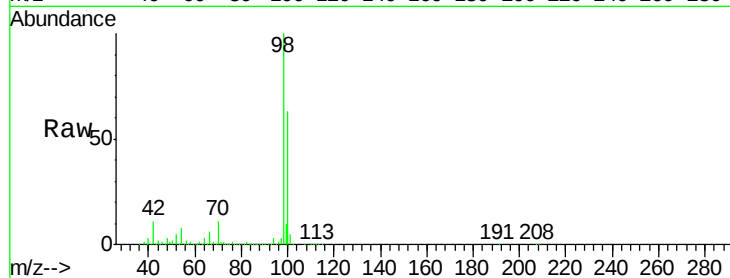
PB110796ZHE#03

Tot Ion: 98 Resp: 2694138

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049628.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN049628.D (-2627) (-)

10.09

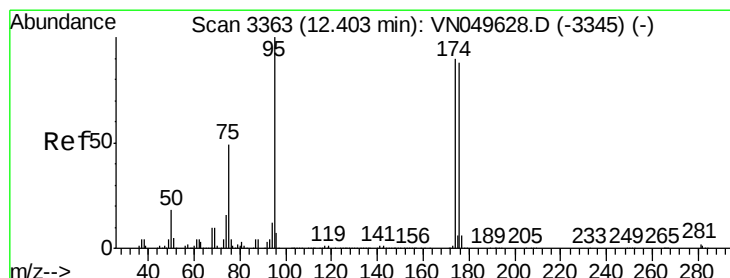
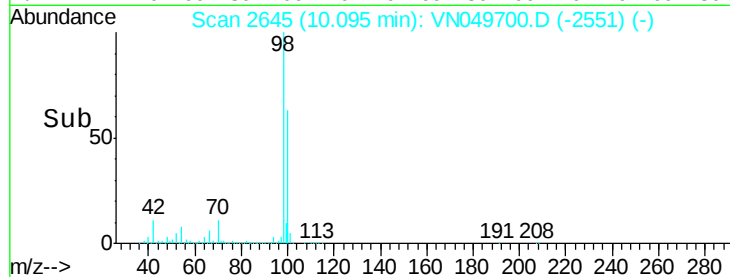
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.650 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049700.D

Acq: 3 Jul 2018 18:05

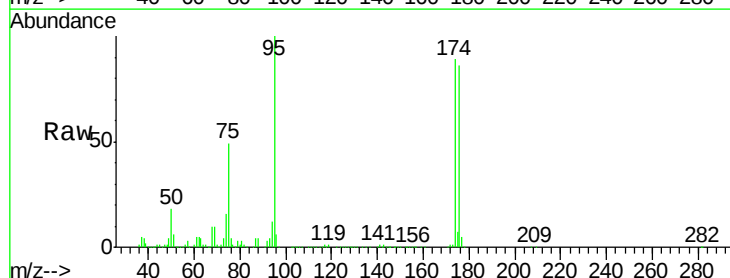
Tgt Ion: 95 Resp: 801795

Ion Ratio Lower Upper

95 100

174 90.6 0.0 179.6

176 86.5 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049628.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049628.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049628.D (-3345) (-)

12.40

600000

500000

400000

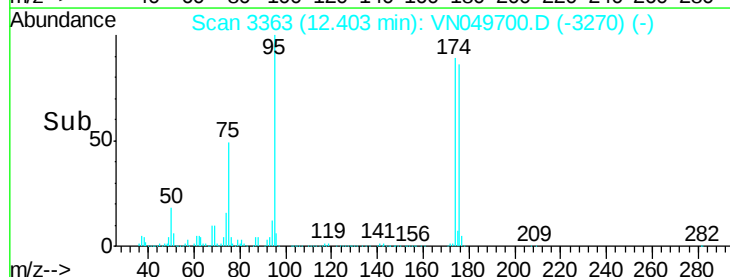
300000

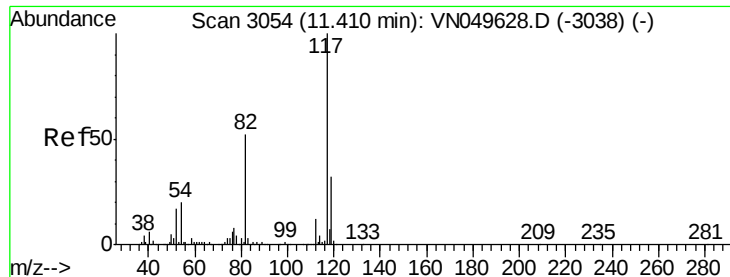
200000

100000

0

Time-->

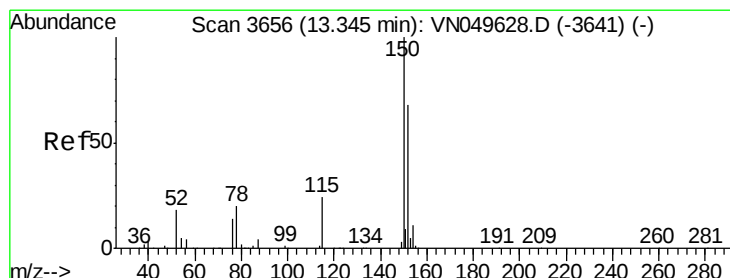
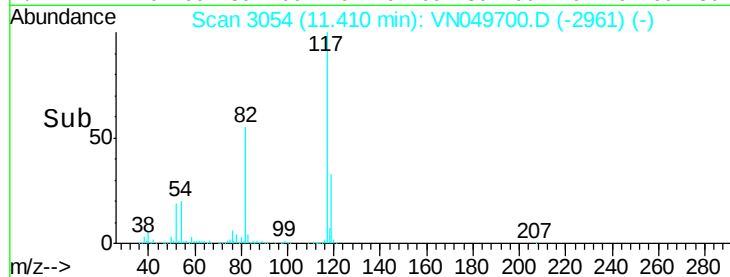
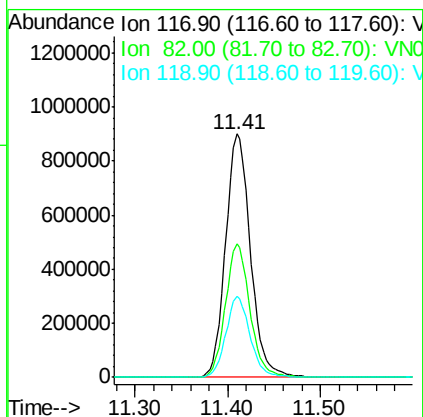
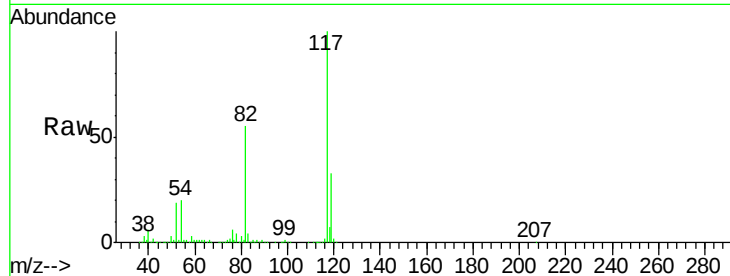




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049700.D  
Acq: 3 Jul 2018 18:05

Instrument :  
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ClientSampleId :  
PB110796ZHE#03

Tot Ion:117 Resp: 1672106  
Ion Ratio Lower Upper  
117 100  
82 54.8 41.9 62.9  
119 33.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN049700.D  
Acq: 3 Jul 2018 18:05

Tgt Ion:152 Resp: 664707  
Ion Ratio Lower Upper  
152 100  
115 54.2 28.1 84.2  
150 154.7 0.0 347.6

