

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\  
 Data File : VN058726.D  
 Acq On : 12 Oct 2019 1:10  
 Operator : JC/SP  
 Sample : PB123827TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

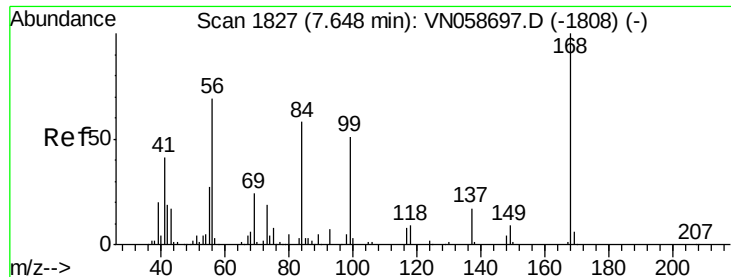
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB123827TB

Quant Time: Oct 12 05:46:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.65  | 168  | 423477   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.57  | 114  | 670234   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.41 | 117  | 591910   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.35 | 152  | 239123   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.01  | 65   | 304489   | 51.36  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 102.72% |          |
| 35) Dibromofluoromethane       | 7.57  | 113  | 217899   | 52.63  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 105.26% |          |
| 50) Toluene-d8                 | 10.08 | 98   | 845288   | 51.06  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 102.12% |          |
| 62) 4-Bromofluorobenzene       | 12.40 | 95   | 277467   | 44.28  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 88.56%  |          |
| Target Compounds               |       |      |          |        |         |          |
|                                |       |      |          |        | Qvalue  |          |
| 16) Acetone                    | 3.80  | 43   | 3497     | 1.425  | ug/l #  | 85       |
| 20) Methylene Chloride         | 4.53  | 84   | 3032     | 0.591  | ug/l #  | 82       |
| 31) Cyclohexane                | 7.65  | 56   | 10374    | 1.193  | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.65  | 75   | 35523    | 5.242  | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.65  | 117  | 42496    | 6.434  | ug/l #  | 17       |
| 71) Bromoform                  | 12.40 | 173  | 811      | 0.249  | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 150683   | 28.725 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 150683   | 76.944 | ug/l #  | 11       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :

MSVOA\_N

ClientSampleId :

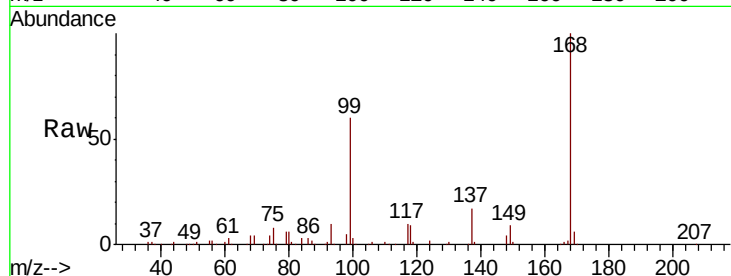
PB123827TB

Tot Ion:168 Resp: 423477

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058726.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058726.D (-1734) (-)

7.65

200000

150000

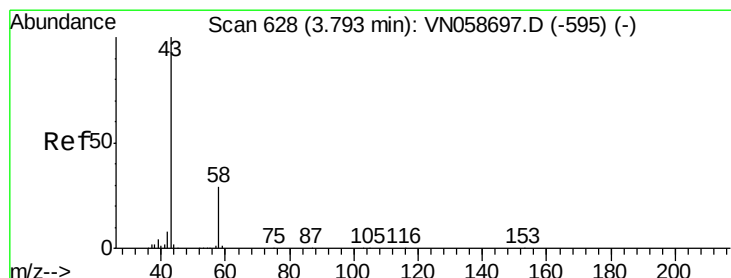
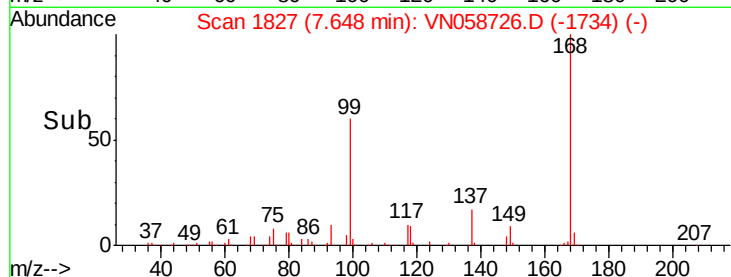
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.425 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058726.D

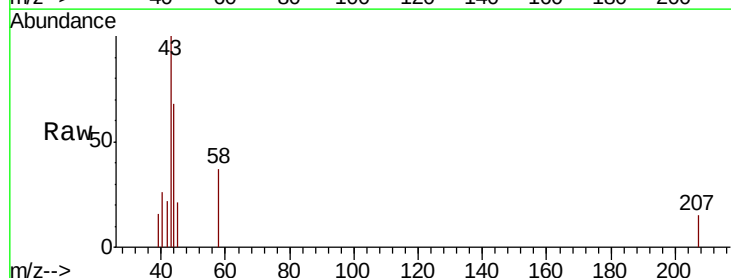
Acq: 12 Oct 2019 1:10

Tgt Ion: 43 Resp: 3497

Ion Ratio Lower Upper

43 100

58 37.2 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058726.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058726.D (-535) (-)

3.80

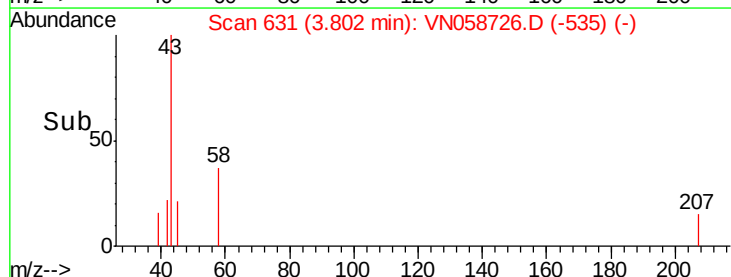
1000

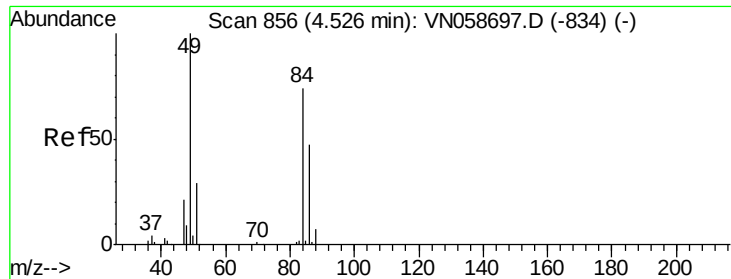
500

0

3.75 3.80 3.85

Time-->

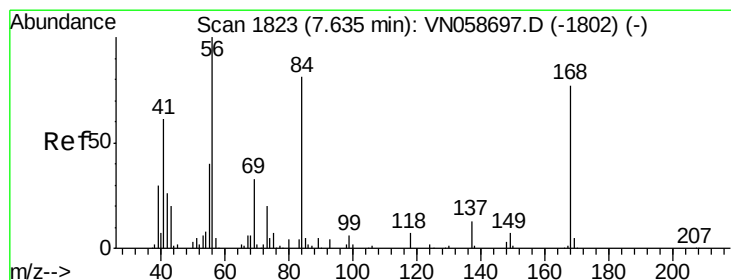
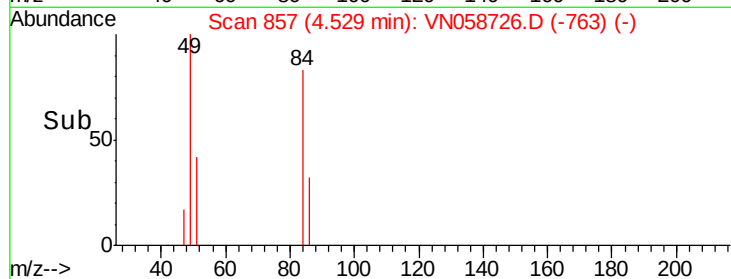
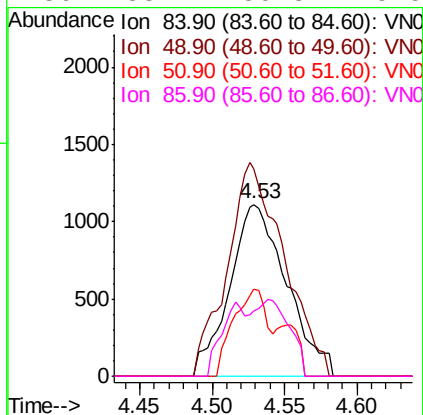
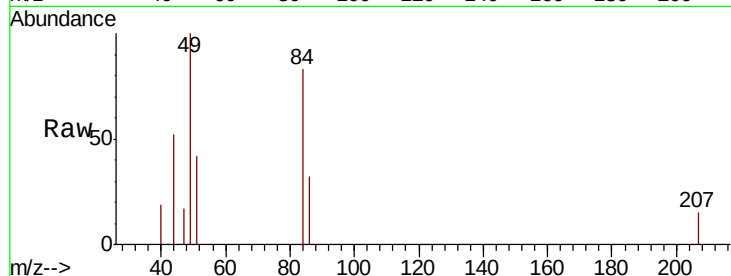




#20  
Methylene Chloride  
Concen: 0.591 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058726.D  
Acq: 12 Oct 2019 1:10

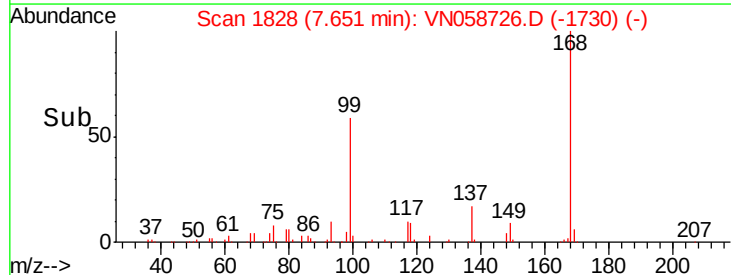
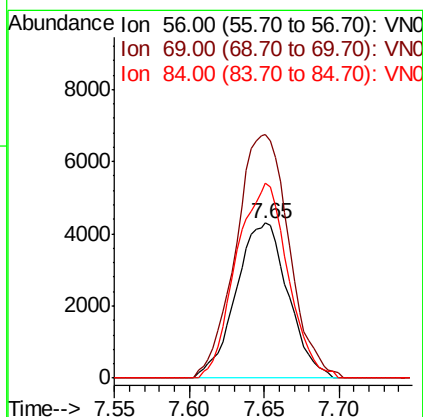
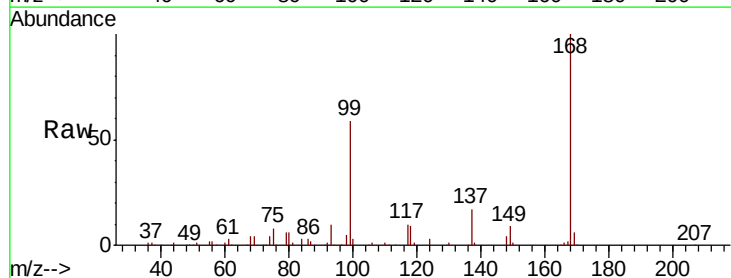
Instrument :  
MSVOA\_N  
ClientSampled :  
PB123827TB

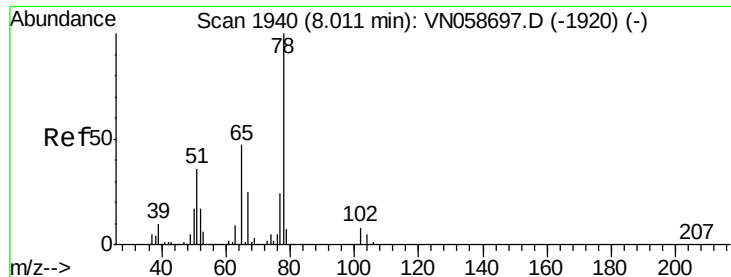
Tot Ion: 84 Resp: 3032  
Ion Ratio Lower Upper  
84 100  
49 120.2 107.6 161.4  
51 50.5 31.4 47.0#  
86 38.4 50.3 75.5#



#31  
Cyclohexane  
Concen: 1.193 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.02 min  
Lab File: VN058726.D  
Acq: 12 Oct 2019 1:10

Tgt Ion: 56 Resp: 10374  
Ion Ratio Lower Upper  
56 100  
69 157.3 26.2 39.4#  
84 126.2 64.9 97.3#

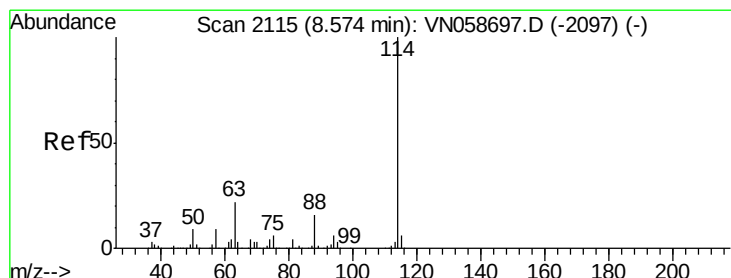
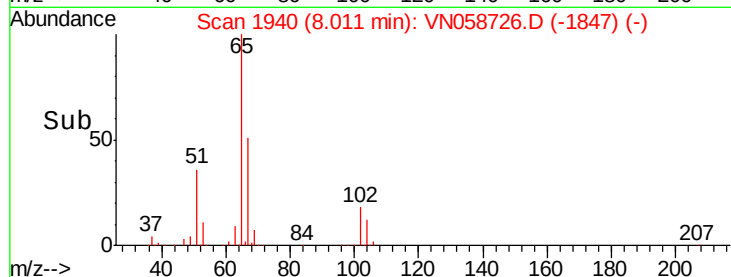
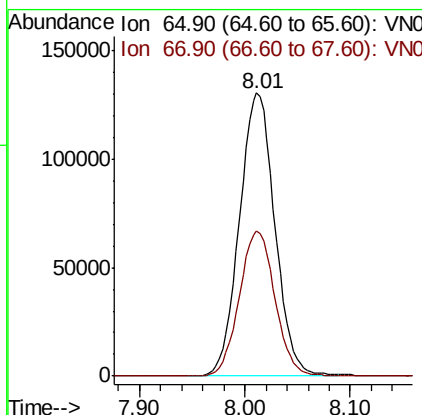
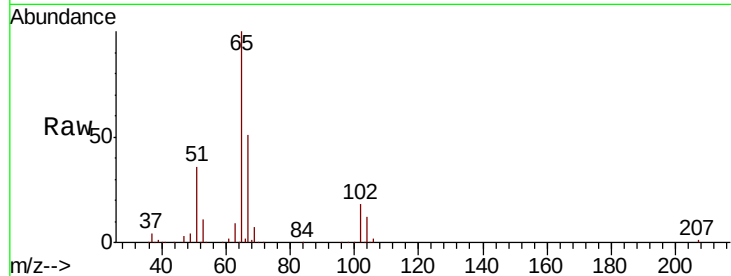




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.359 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN058726.D  
 Acq: 12 Oct 2019 1:10

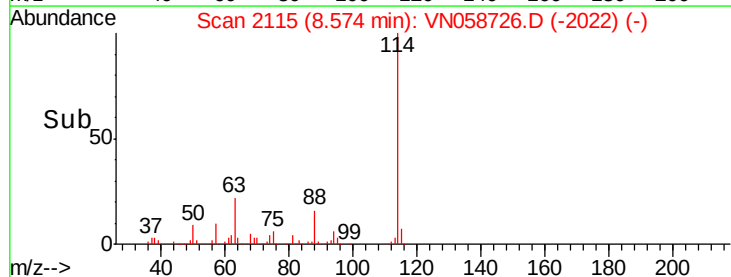
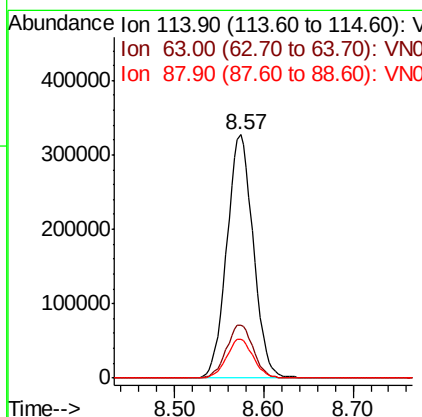
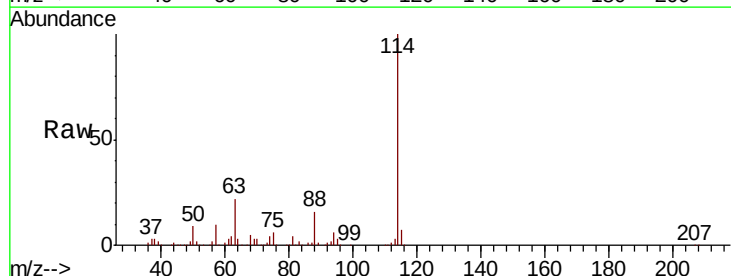
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PB123827TB

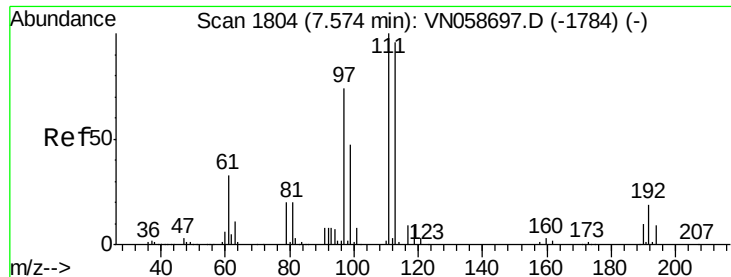
Tot Ion: 65 Resp: 304489  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058726.D  
 Acq: 12 Oct 2019 1:10

Tgt Ion: 114 Resp: 670234  
 Ion Ratio Lower Upper  
 114 100  
 63 21.9 0.0 43.8  
 88 15.9 0.0 32.0

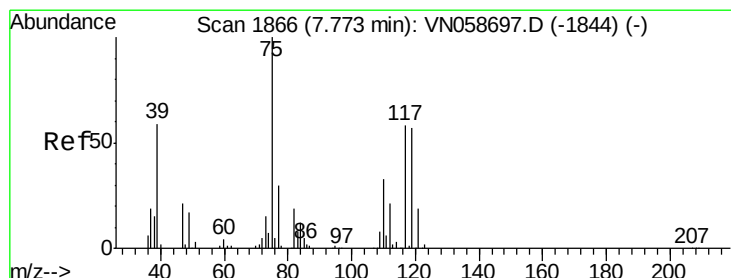
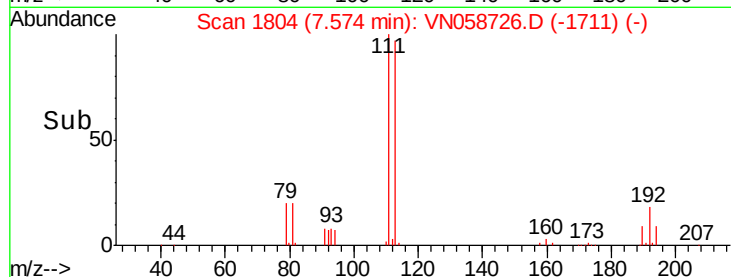
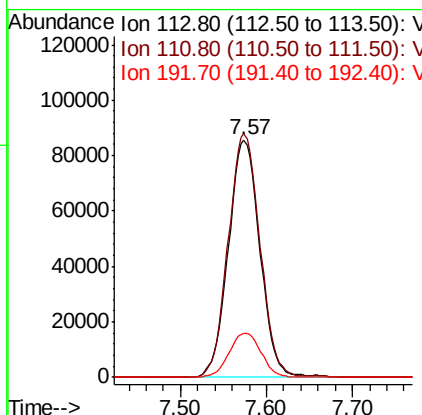
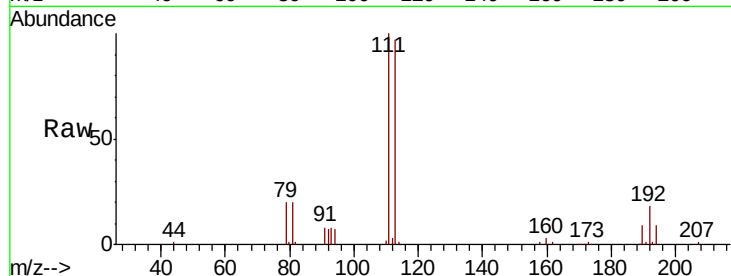




#35  
 Dibromofluoromethane  
 Concen: 52.634 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058726.D  
 Acq: 12 Oct 2019 1:10

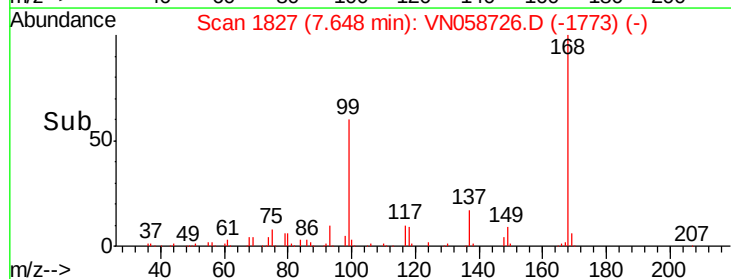
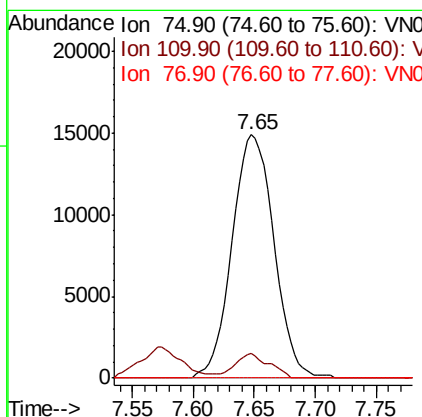
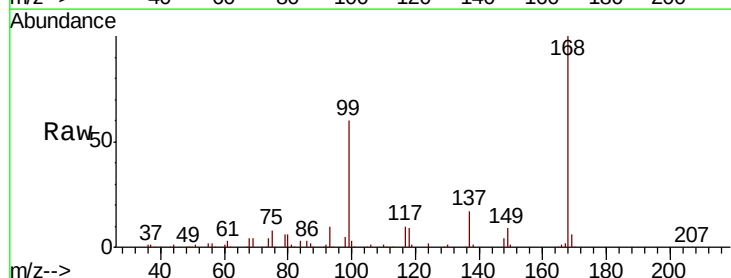
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB123827TB

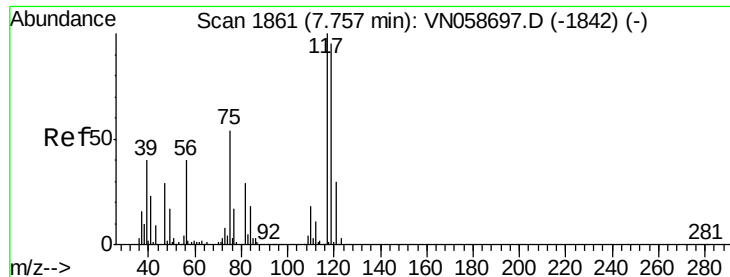
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.3  | 123.5 |
| 192     | 18.9  | 15.0  | 22.6  |



#36  
 1,1-Dichloropropene  
 Concen: 5.242 ug/l  
 RT: 7.65 min Scan# 1827  
 Delta R.T. -0.13 min  
 Lab File: VN058726.D  
 Acq: 12 Oct 2019 1:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.3   | 16.6  | 49.8# |
| 77      | 0.0   | 24.6  | 37.0# |





#38

Carbon Tetrachloride

Concen: 6.434 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :

MSVOA\_N

ClientSampleId :

PB123827TB

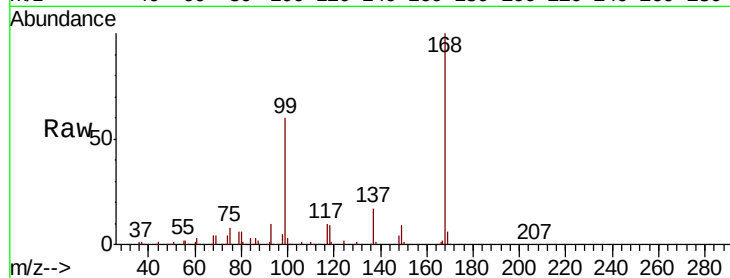
Tot Ion:117 Resp: 42496

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

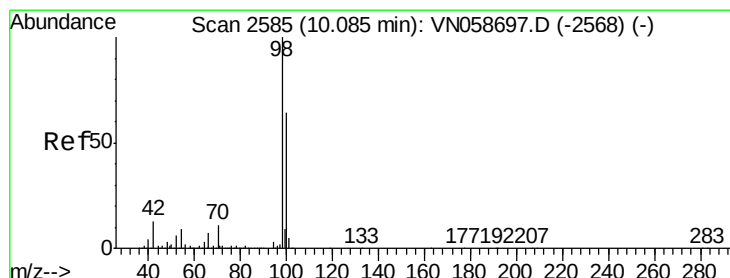
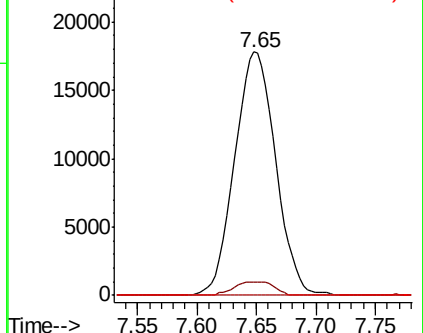
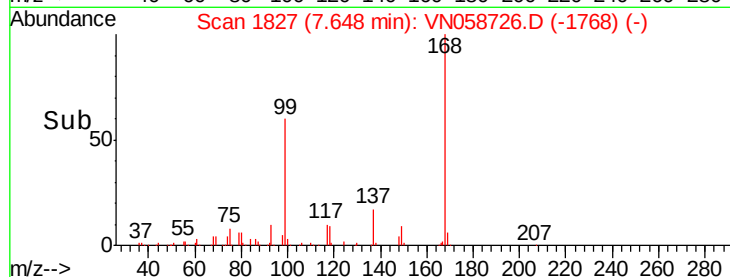
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.060 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058726.D

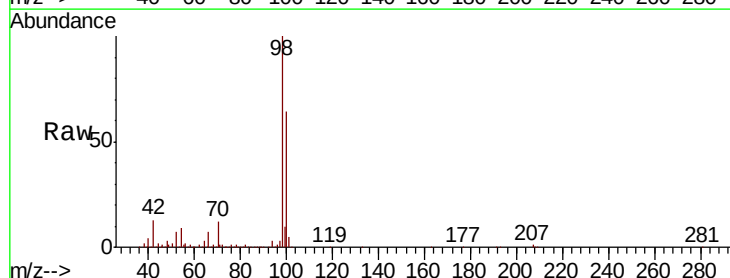
Acq: 12 Oct 2019 1:10

Tgt Ion: 98 Resp: 845288

Ion Ratio Lower Upper

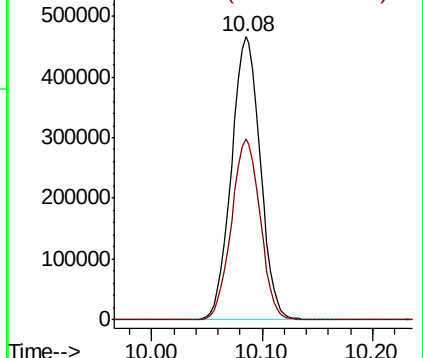
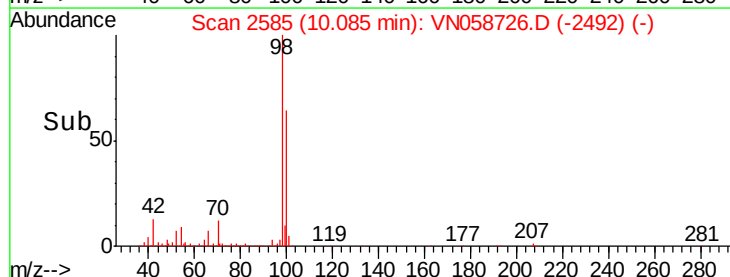
98 100

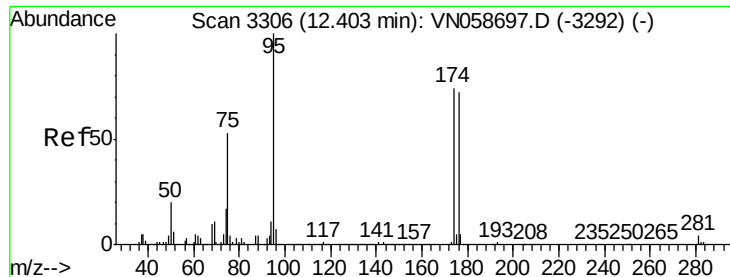
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

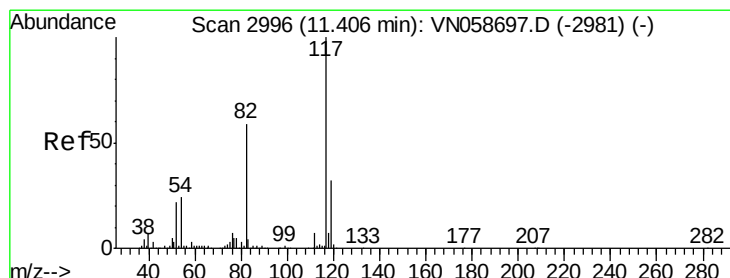
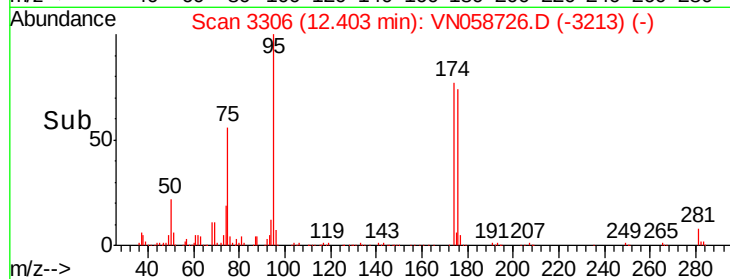
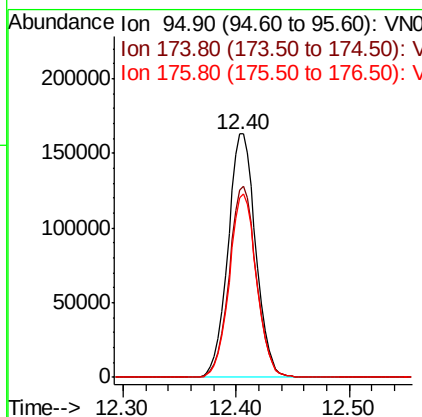
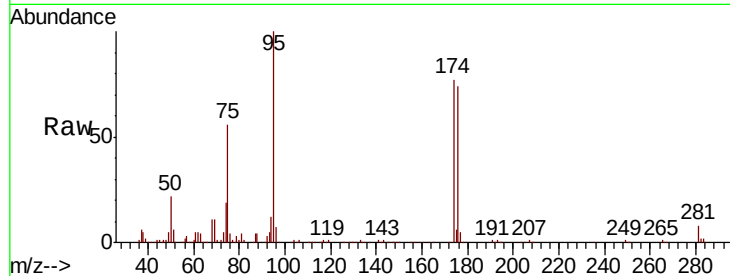




#62  
4-Bromofluorobenzene  
Concen: 44.278 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN058726.D  
Acq: 12 Oct 2019 1:10

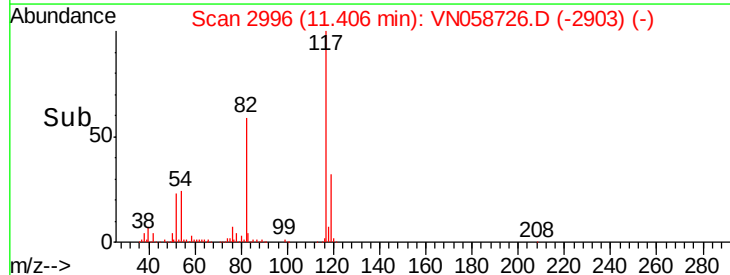
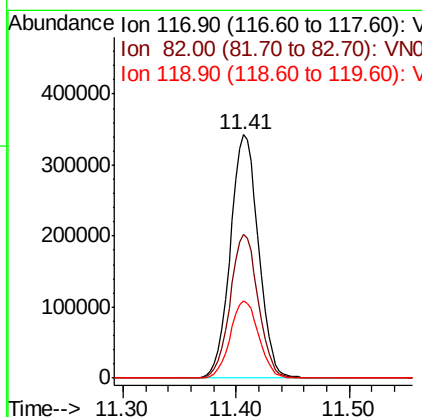
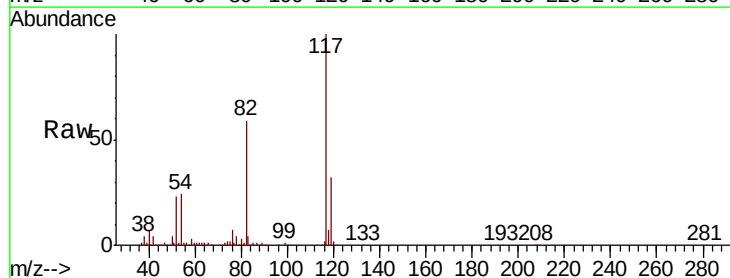
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB123827TB

Tot Ion: 95 Resp: 277467  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 150.4  
176 74.1 0.0 146.8

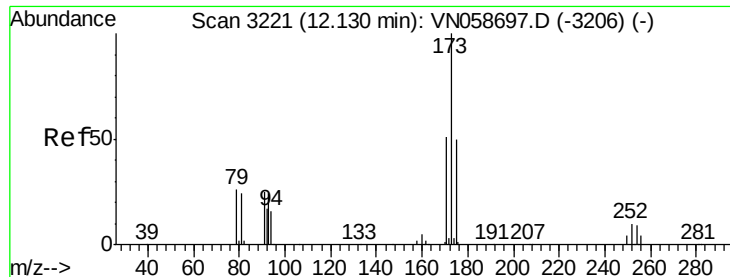


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058726.D  
Acq: 12 Oct 2019 1:10

Tgt Ion: 117 Resp: 591910  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.0 70.4  
119 31.7 25.4 38.2







#71

Bromoform

Concen: 0.249 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :

MSVOA\_N

ClientSampleId :

PB123827TB

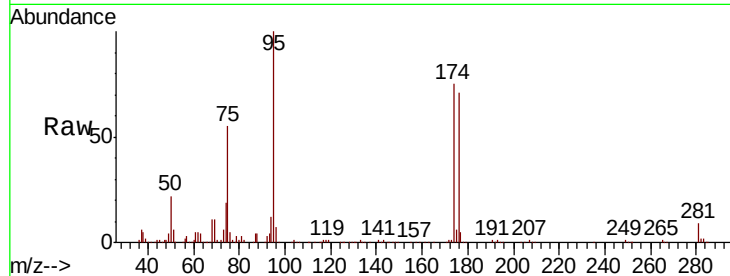
Tot Ion:173 Resp: 811

Ion Ratio Lower Upper

173 100

175 1650.4 24.6 73.8#

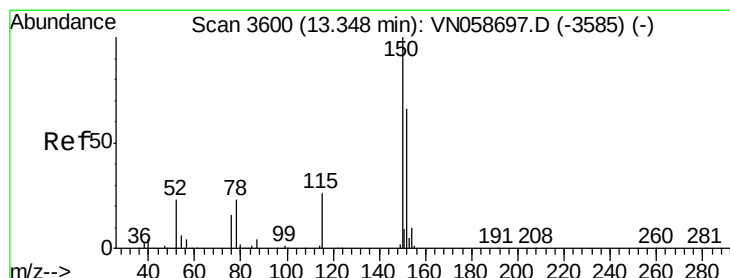
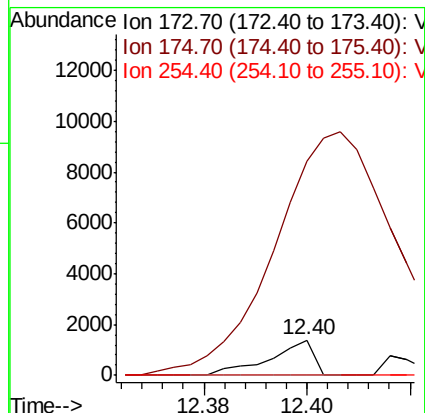
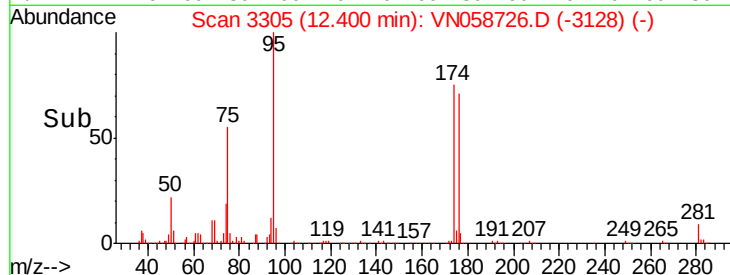
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

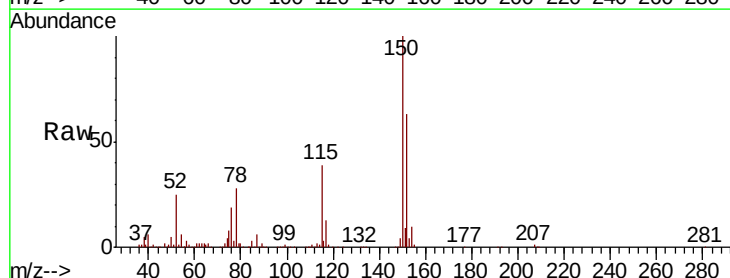
Tgt Ion:152 Resp: 239123

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

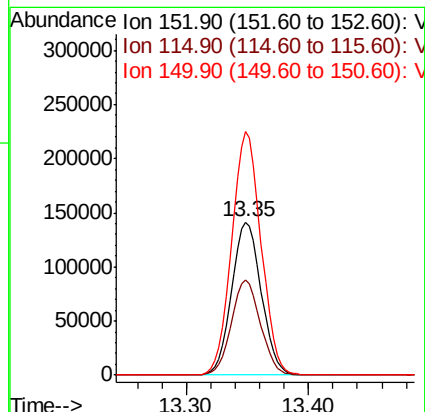
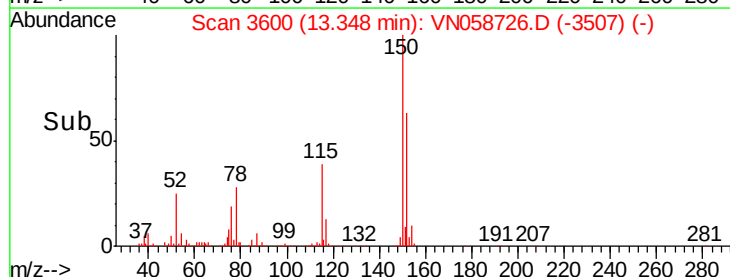
150 157.5 0.0 345.4

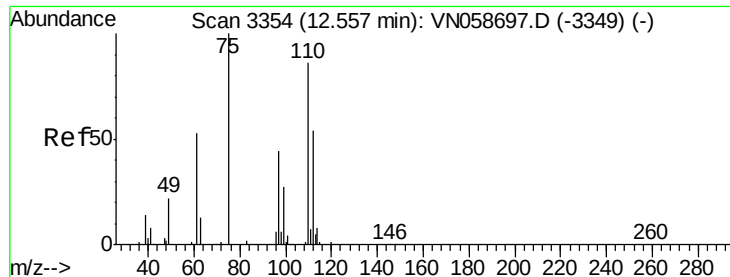


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.725 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :

MSVOA\_N

ClientSampled :

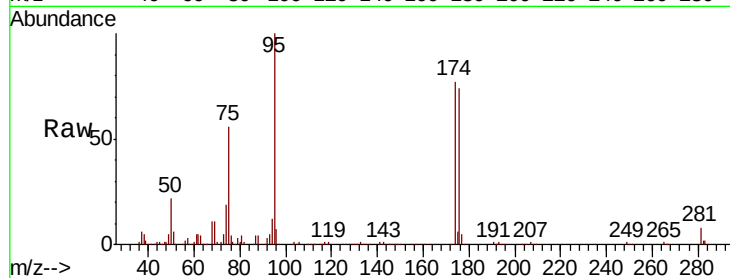
PB123827TB

Tot Ion: 75 Resp: 150683

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

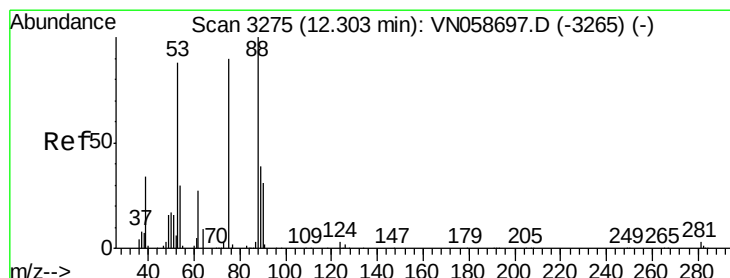
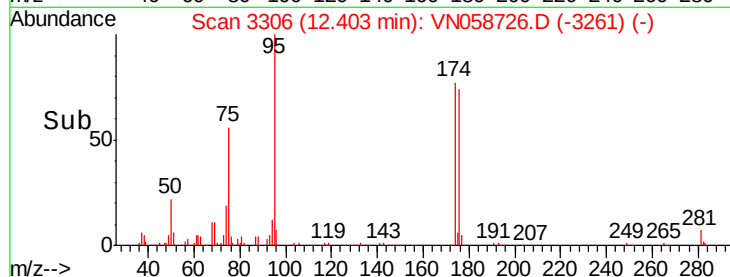
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.944 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

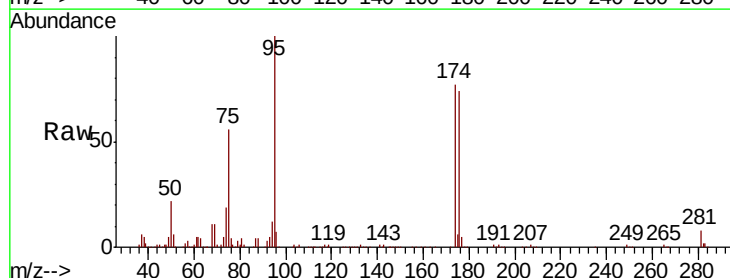
Tgt Ion: 75 Resp: 150683

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

120000

100000

80000

60000

40000

20000

0

Time-->

