

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\  
 Data File : VN060281.D  
 Acq On : 28 Feb 2020 13:56  
 Operator : JC/MD  
 Sample : PB127123ZHE#12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127123ZHE#12

Quant Time: Feb 29 01:17:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

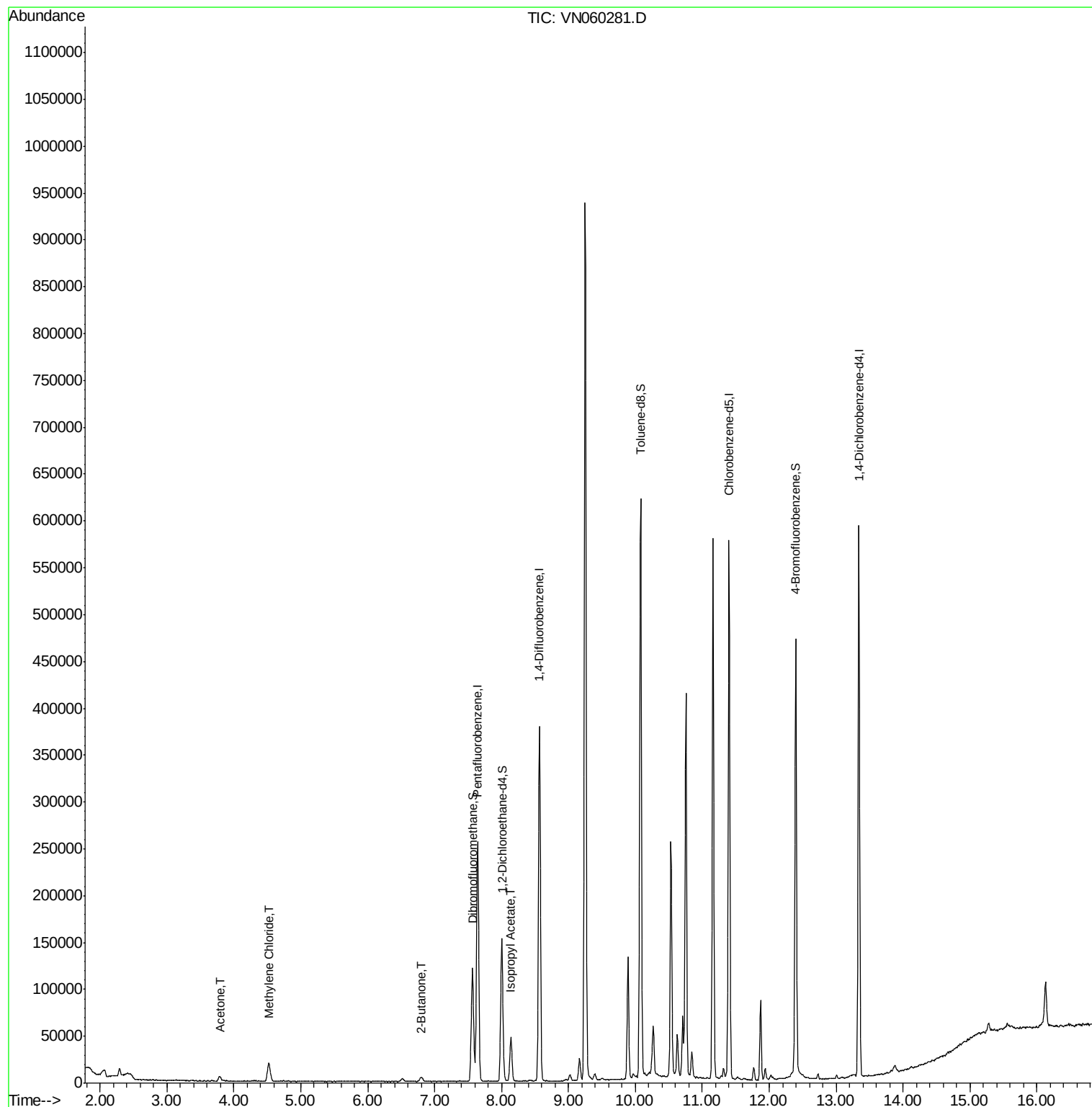
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 209418   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 338167   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 320111   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 151380   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 133159   | 49.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.12%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 91344    | 58.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.38% |          |
| 50) Toluene-d8              | 10.08 | 98   | 417722   | 52.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.16% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 158002   | 52.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.94% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 9247     | 10.657 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.52  | 84   | 14811    | 6.216  | ug/l    | 97       |
| 25) 2-Butanone              | 6.80  | 43   | 7932     | 5.660  | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 54844    | 10.266 | ug/l #  | 91       |

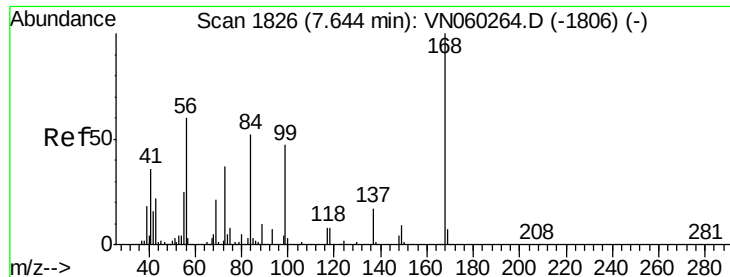
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022820\  
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MSVOA\_N  
ClientSampleId :  
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Quant Time: Feb 29 01:17:43 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060281.D

Acq: 28 Feb 2020 13:56

Instrument :

MSVOA\_N

ClientSampleId :

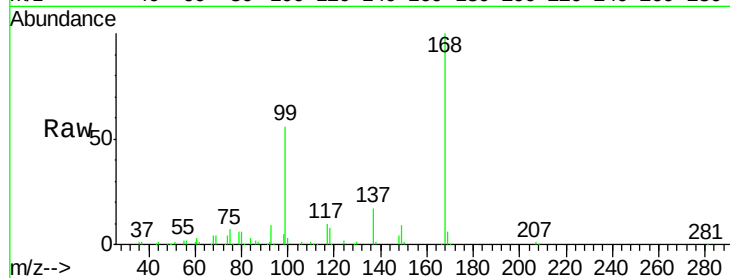
PB127123ZHE#12

Tot Ion:168 Resp: 209418

Ion Ratio Lower Upper

168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

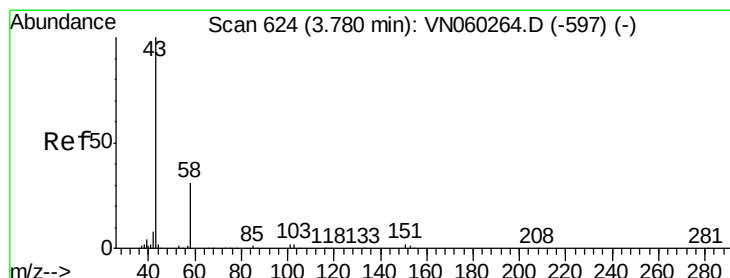
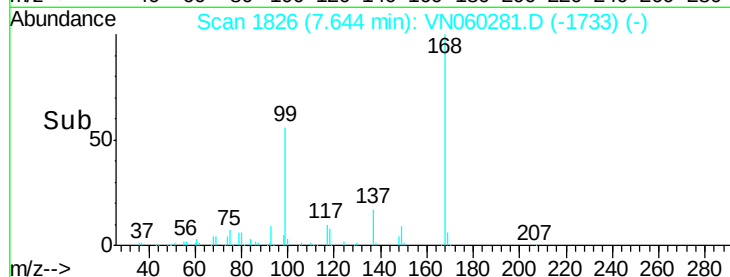
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 10.657 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060281.D

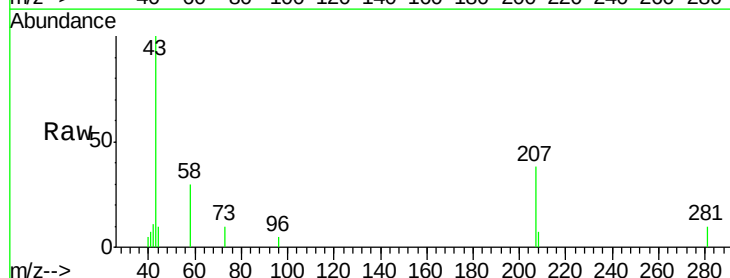
Acq: 28 Feb 2020 13:56

Tgt Ion: 43 Resp: 9247

Ion Ratio Lower Upper

43 100

58 30.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

3000

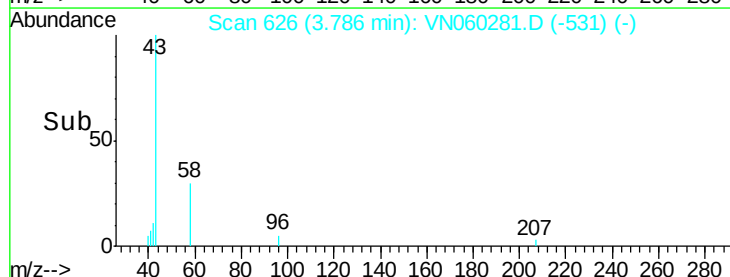
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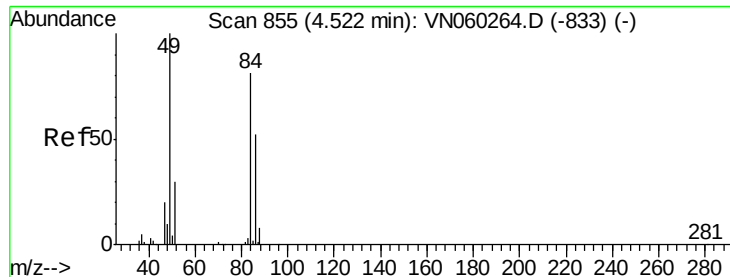
1000

0

3.70 3.80 3.90

Time-->

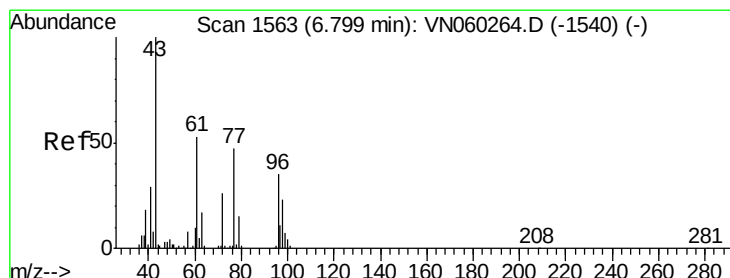
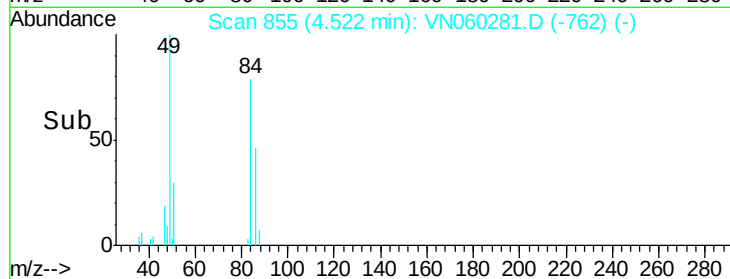
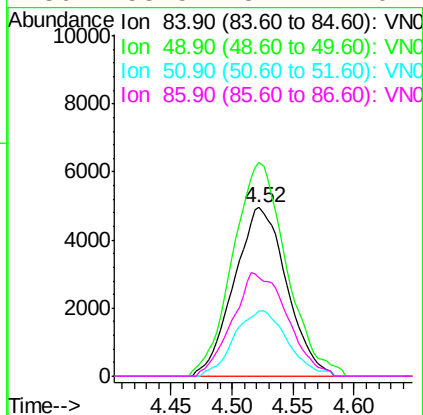
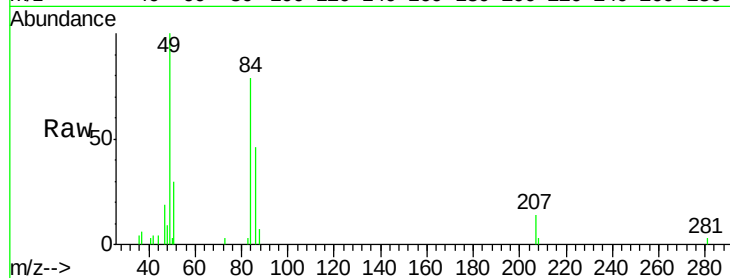




#20  
Methvlene Chloride  
Concen: 6.216 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060281.D  
Acq: 28 Feb 2020 13:56

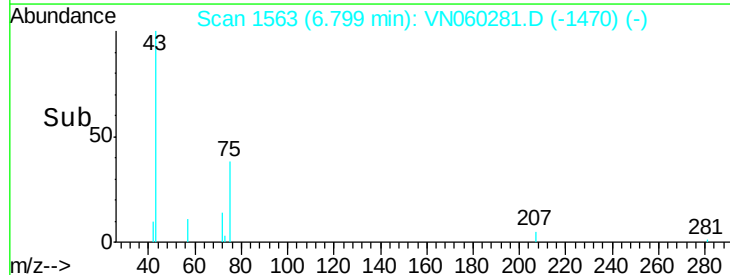
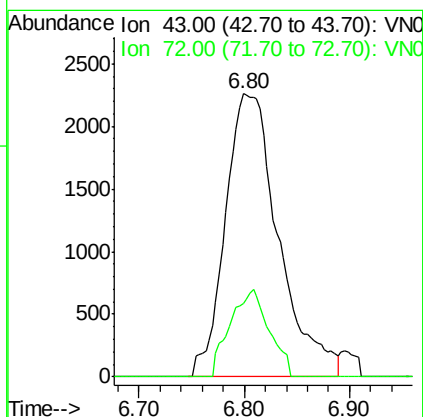
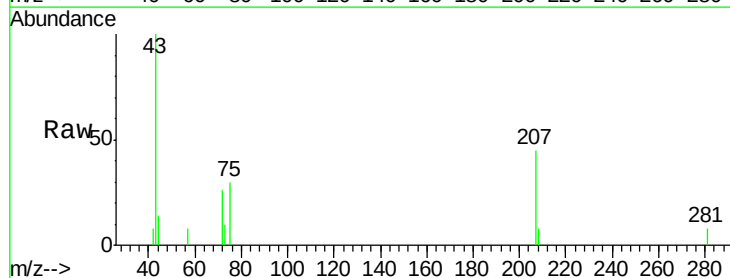
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB127123ZHE#12

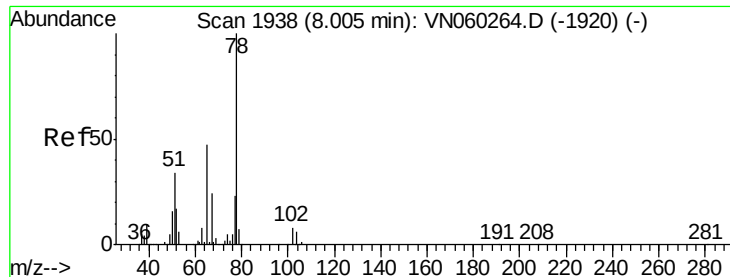
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 14811 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 126.7 | 99.3  | 148.9 |
| 51       | 38.5  | 30.1  | 45.1  |
| 86       | 58.5  | 51.1  | 76.7  |



#25  
2-Butanone  
Concen: 5.660 ug/l  
RT: 6.80 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VN060281.D  
Acq: 28 Feb 2020 13:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7932  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.8  | 20.9  | 31.3  |

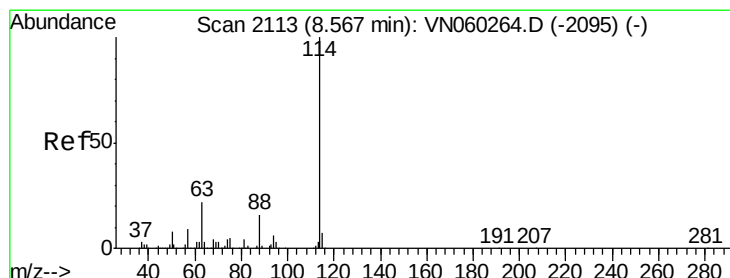
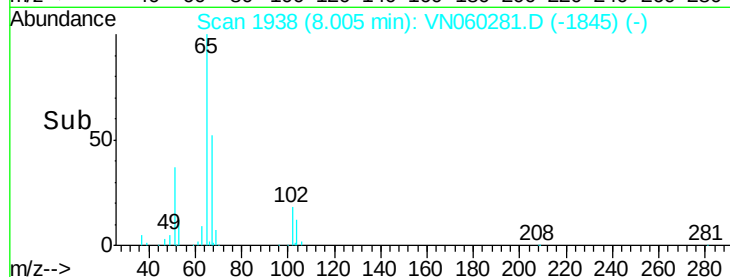
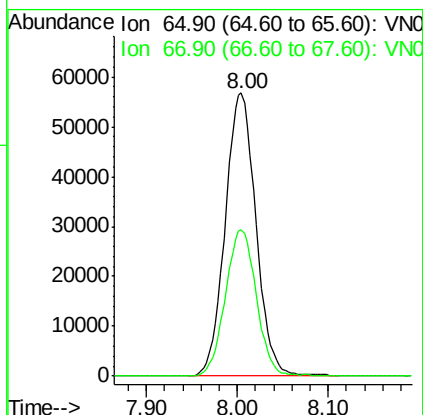
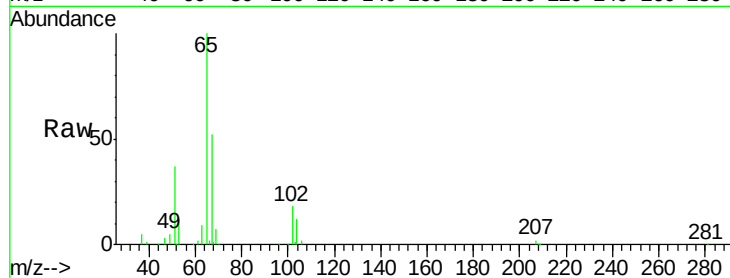




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.559 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN060281.D  
 Acq: 28 Feb 2020 13:56

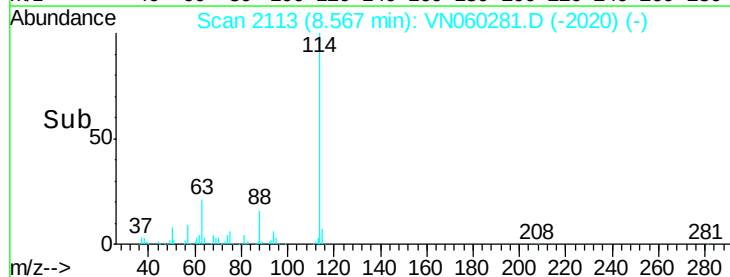
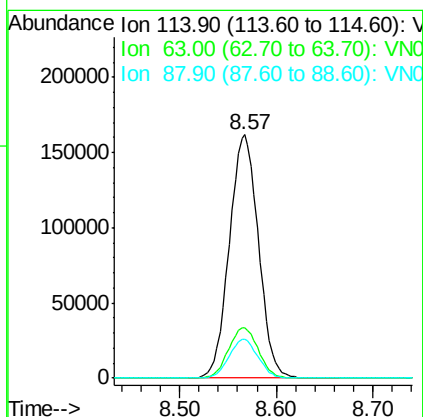
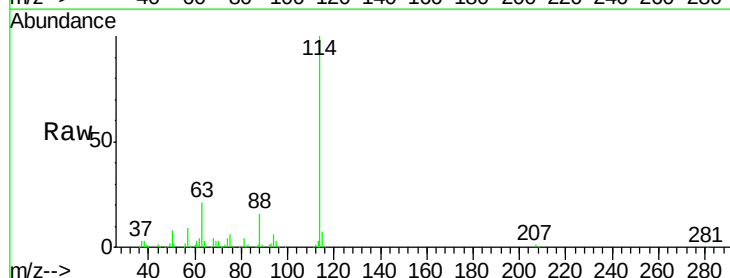
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127123ZHE#12

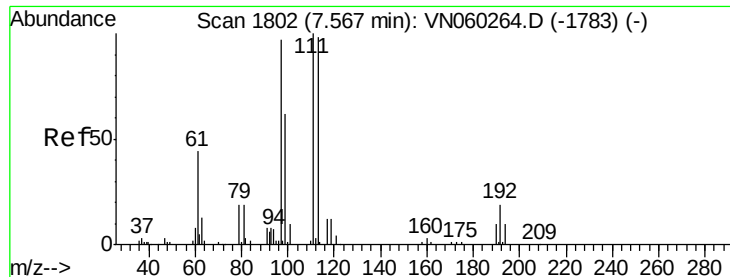
Tot Ion: 65 Resp: 133159  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060281.D  
 Acq: 28 Feb 2020 13:56

Tgt Ion: 114 Resp: 338167  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 43.2  
 88 16.1 0.0 31.6

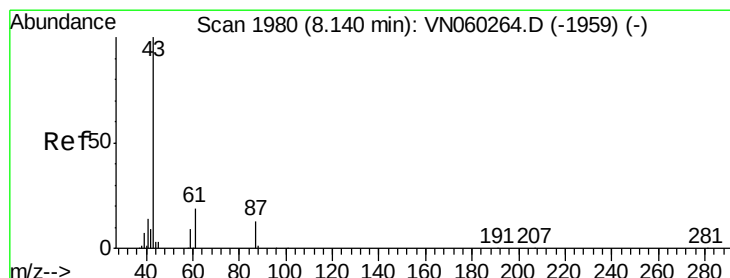
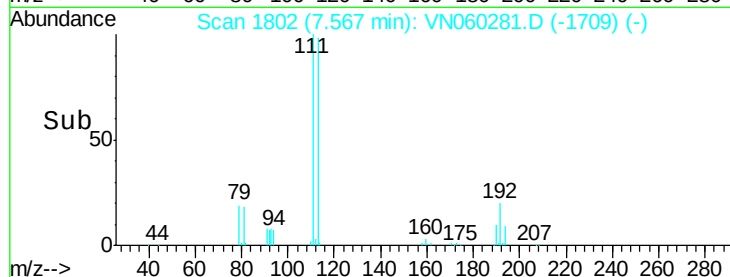
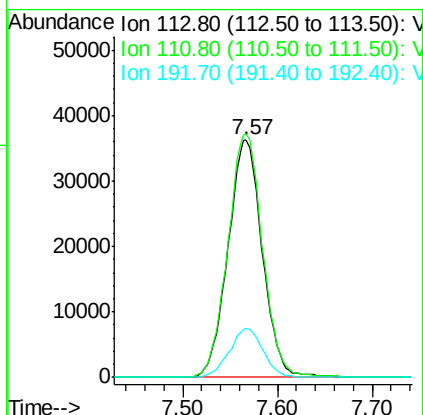
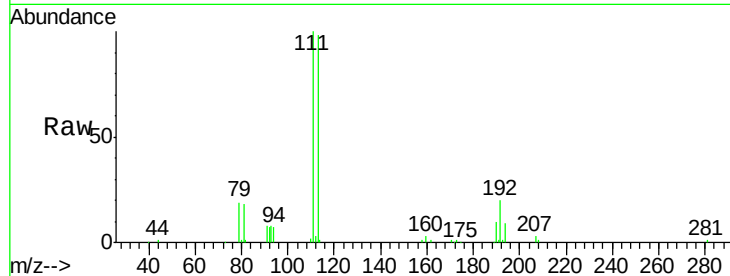




#35  
 Dibromofluoromethane  
 Concen: 58.193 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN060281.D  
 Acq: 28 Feb 2020 13:56

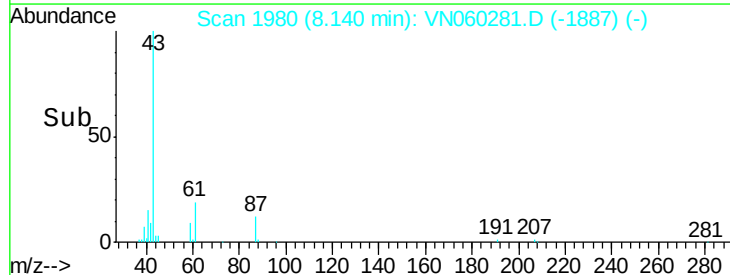
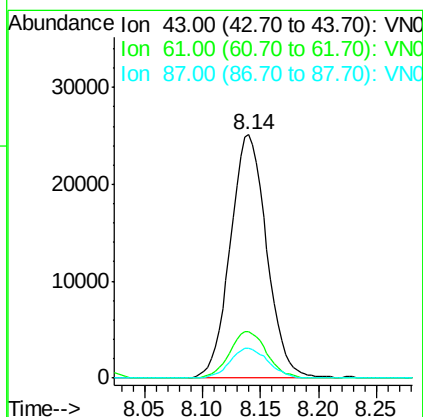
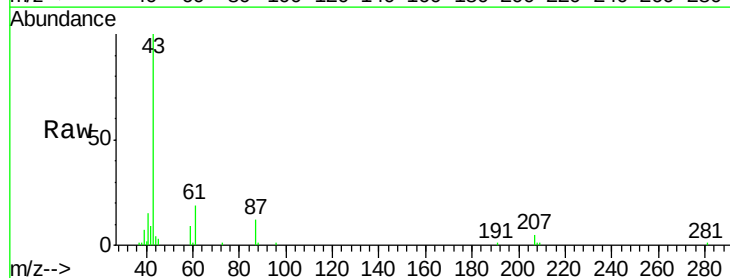
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127123ZHE#12

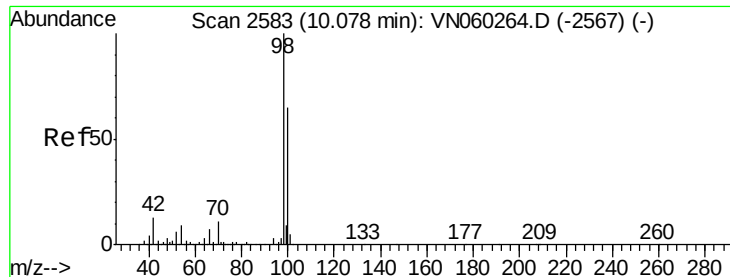
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 82.4  | 123.6 |
| 192     | 20.3  | 16.2  | 24.2  |



#43  
 Isopropyl Acetate  
 Concen: 10.266 ug/l  
 RT: 8.14 min Scan# 1980  
 Delta R.T. 0.00 min  
 Lab File: VN060281.D  
 Acq: 28 Feb 2020 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.3  | 20.9  | 31.3# |
| 87      | 12.7  | 10.6  | 16.0  |





#50

Toluene-d8

Concen: 52.582 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060281.D

Acq: 28 Feb 2020 13:56

Instrument :

MSVOA\_N

ClientSampleId :

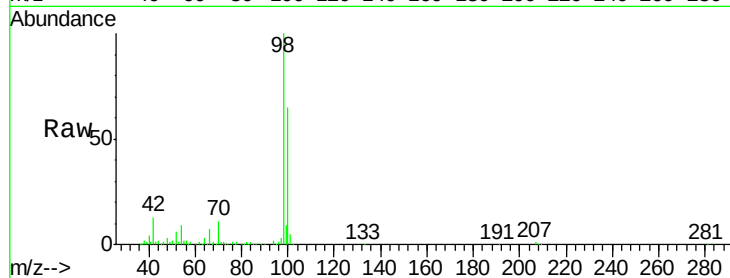
PB127123ZHE#12

Tot Ion: 98 Resp: 417722

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

150000

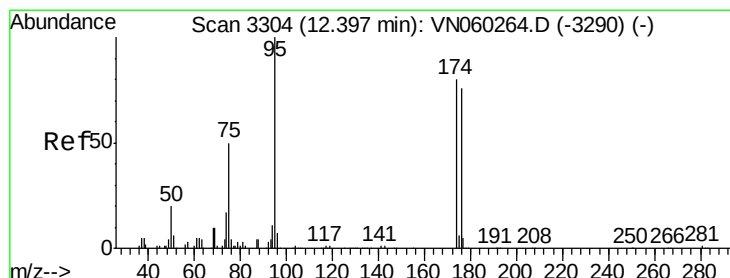
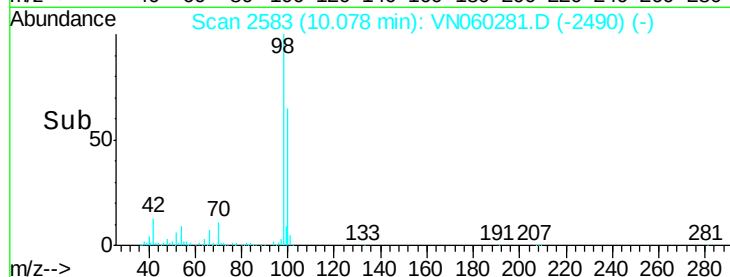
100000

50000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 52.467 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060281.D

Acq: 28 Feb 2020 13:56

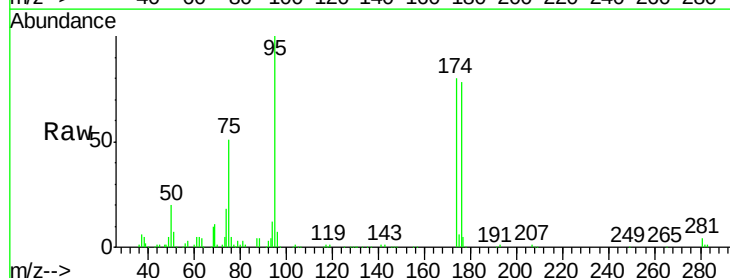
Tgt Ion: 95 Resp: 158002

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.2

176 77.8 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

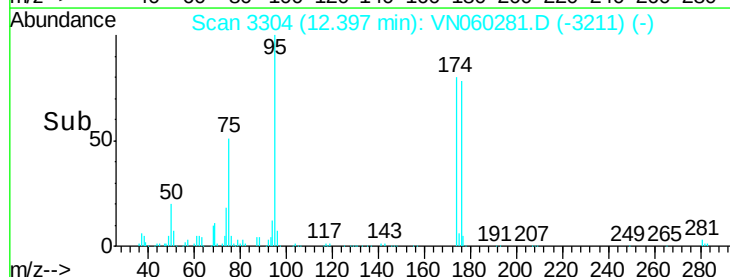
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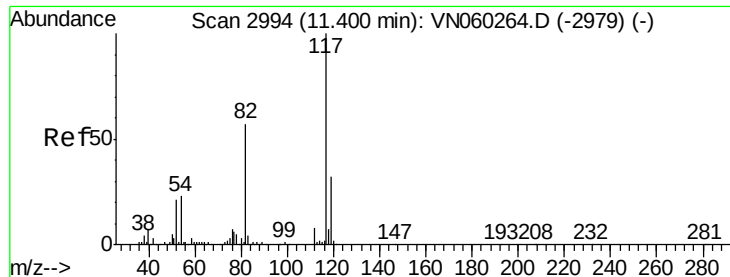
20000

0

Time-->

12.30 12.40 12.50

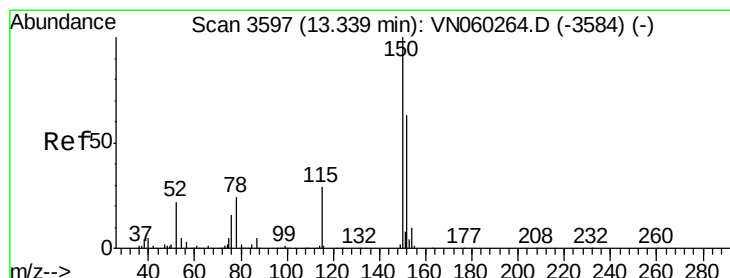
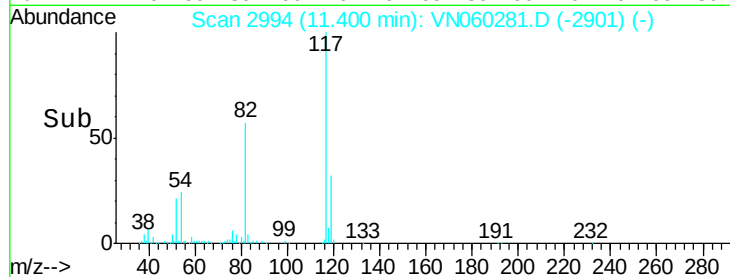
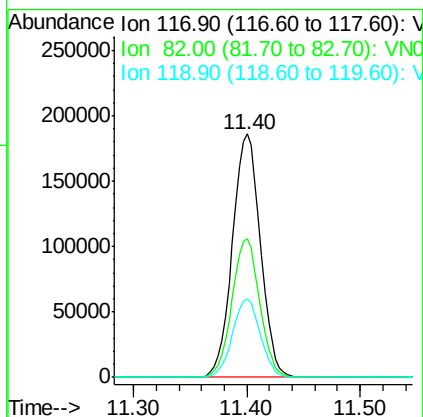
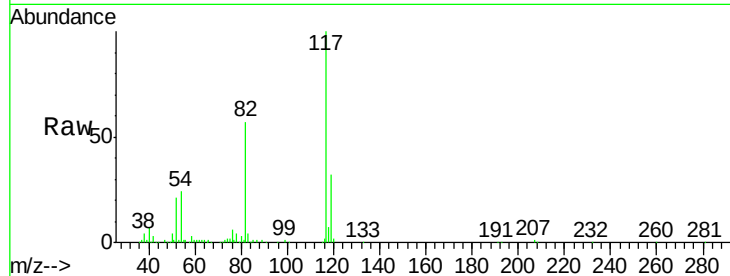




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060281.D  
Acq: 28 Feb 2020 13:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB127123ZHE#12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.9  | 45.8  | 68.6  |
| 119     | 32.1  | 25.8  | 38.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060281.D  
Acq: 28 Feb 2020 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.8  | 30.0  | 90.0  |
| 150     | 156.4 | 0.0   | 349.6 |

