

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\  
 Data File : VN062343.D  
 Acq On : 2 Jul 2020 19:18  
 Operator : JC/MD  
 Sample : PB129917ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB129917ZHE#01

Manual Integrations  
 APPROVED

sam  
 7/6/2020 11:34:16 AM

Quant Time: Jul 03 06:09:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 122499   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 245016   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 242390   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 81140    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 102043   | 59.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.72% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 78972    | 50.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.48% |          |
| 50) Toluene-d8              | 10.06 | 98   | 331157   | 52.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.40% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 102301   | 48.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.38%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 8996     | 12.829 | ug/l    | 91       |
| 18) Methyl Acetate          | 4.28  | 43   | 2526m    | 1.848  | ug/l    |          |
| 20) Methylene Chloride      | 4.50  | 84   | 6193     | 3.724  | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 49165    | 14.789 | ug/l    | 97       |

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

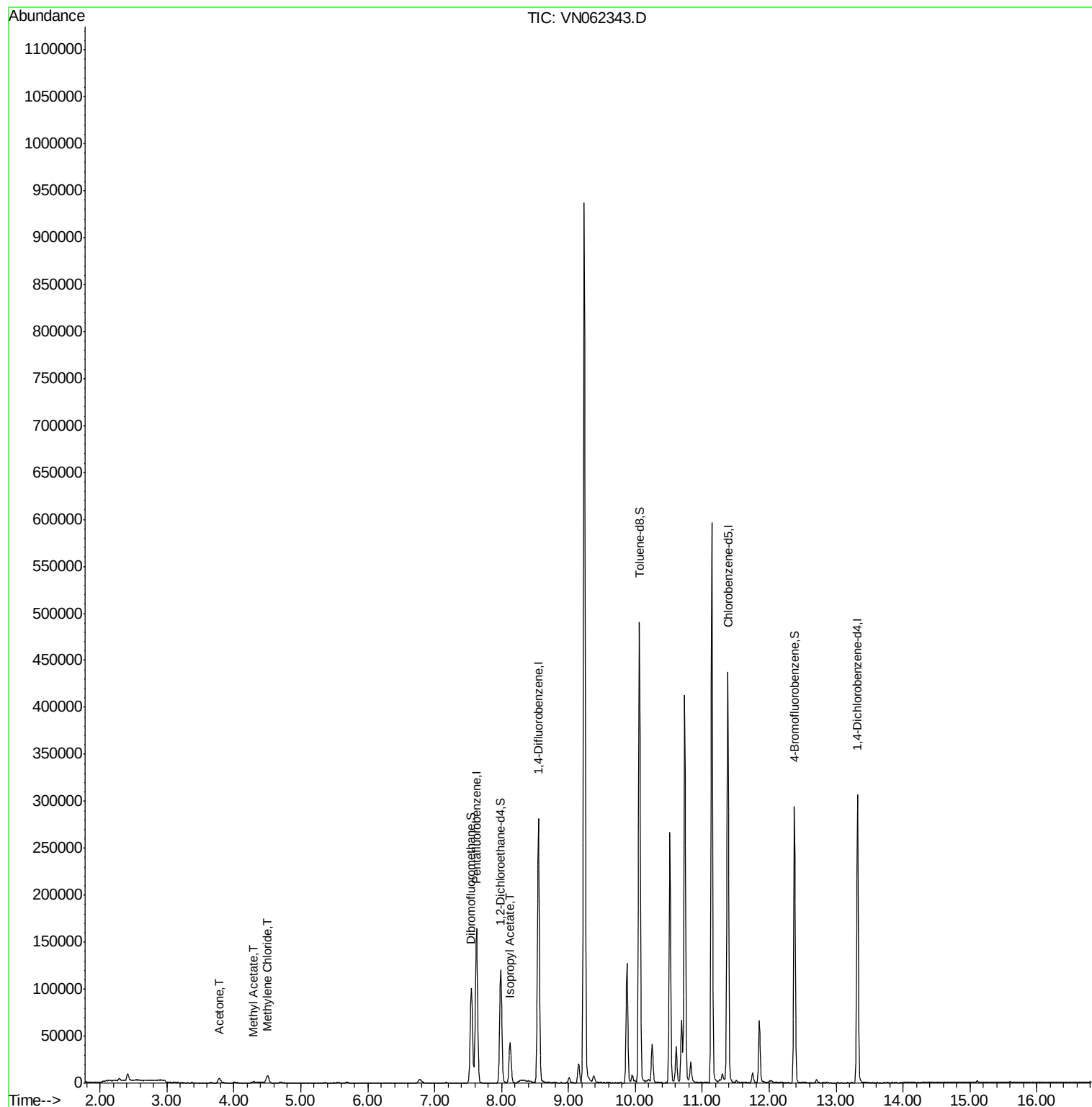
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070220\  
Data File : VN062343.D  
Acq On : 2 Jul 2020 19:18  
Operator : JC/MD  
Sample : PB129917ZHE#01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 9 Sample Multiplier: 1

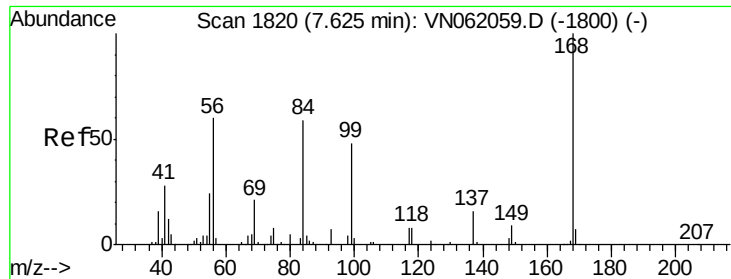
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB129917ZHE#01

Manual Integrations  
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7/6/2020 11:34:16 AM

Quant Time: Jul 03 06:09:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062343.D

Acq: 2 Jul 2020 19:18

Instrument :

MSVOA\_N

ClientSampleId :

PB129917ZHE#01

Tot Ion:168 Resp: 122499

Ion Ratio Lower Upper

168 100

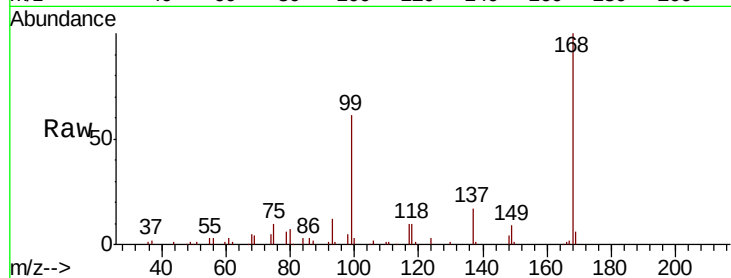
99 61.2 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN062059.D (-1800) (-)

Ion 98.90 (98.60 to 99.60): VN062059.D (-1800) (-)

7.63

60000

50000

40000

30000

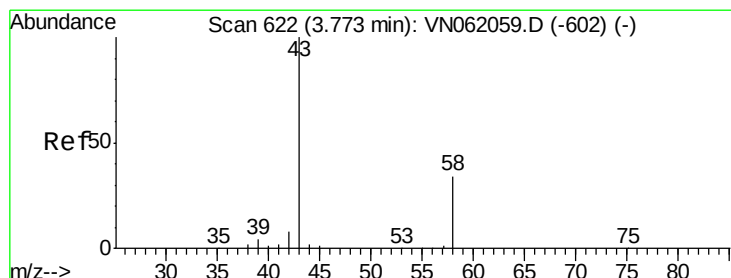
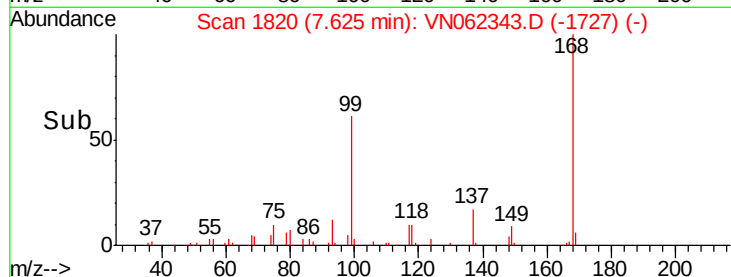
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 12.829 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062343.D

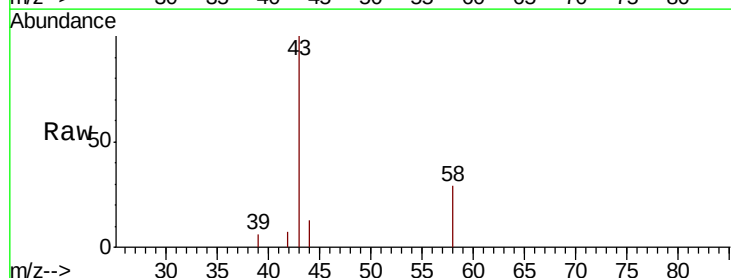
Acq: 2 Jul 2020 19:18

Tgt Ion: 43 Resp: 8996

Ion Ratio Lower Upper

43 100

58 29.0 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)

3.78

3000

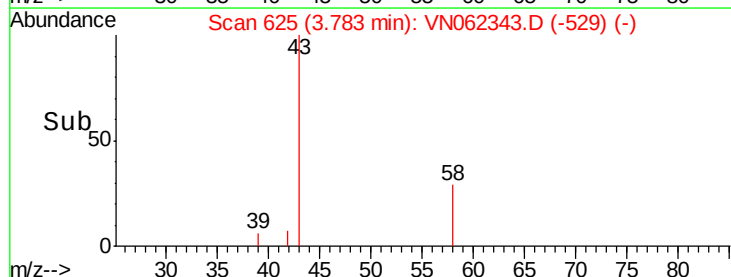
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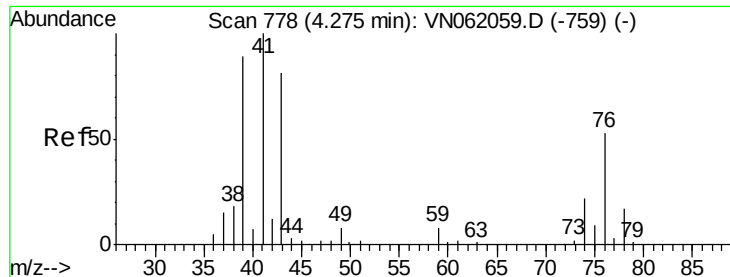
1000

0

3.70 3.75 3.80 3.85

Time-->





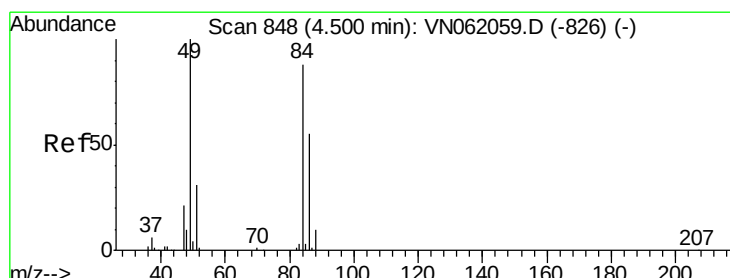
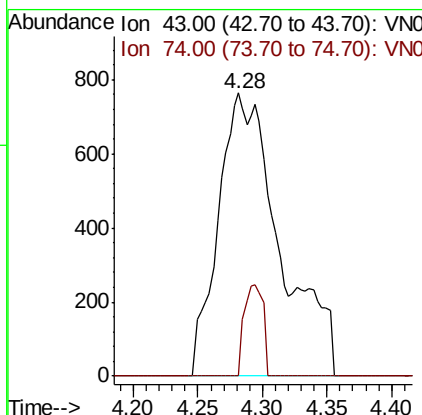
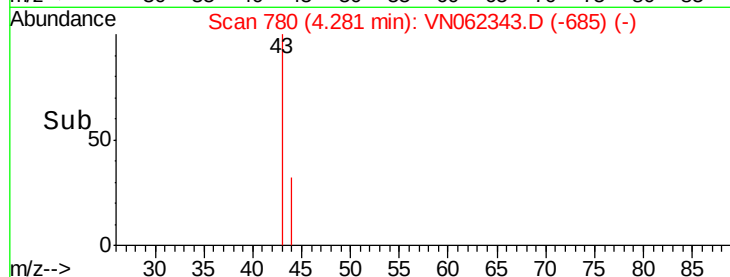
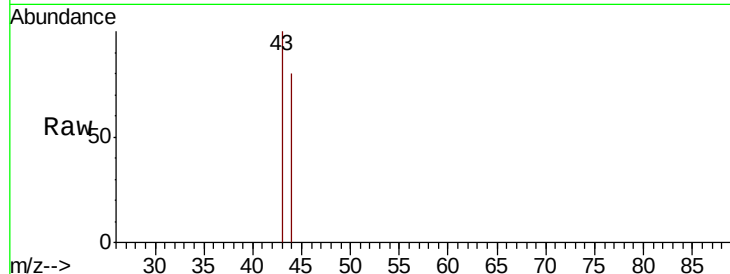
#18  
Methyl Acetate  
Concen: 1.848 ug/l m  
RT: 4.28 min Scan# 780  
Delta R.T. 0.01 min  
Lab File: VN062343.D  
Acq: 2 Jul 2020 19:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB129917ZHE#01

Tot Ion: 43 Resp: 2526  
Ion Ratio Lower Upper  
43 100  
74 9.7 22.9 34.3#

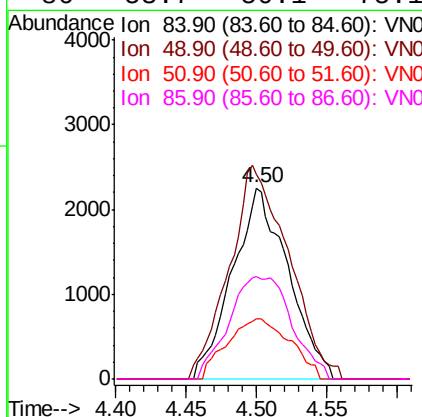
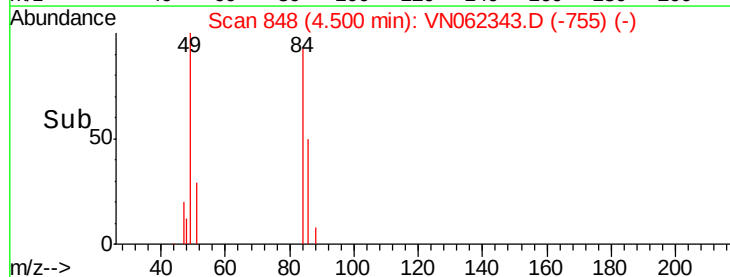
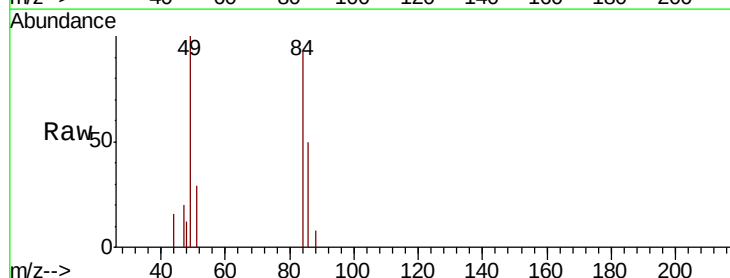
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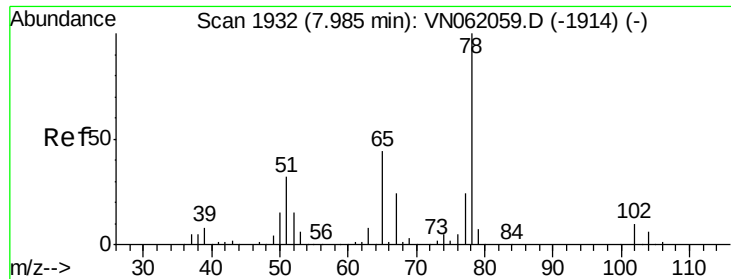
sam  
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#20  
Methylene Chloride  
Concen: 3.724 ug/l  
RT: 4.50 min Scan# 848  
Delta R.T. 0.00 min  
Lab File: VN062343.D  
Acq: 2 Jul 2020 19:18

Tgt Ion: 84 Resp: 6193  
Ion Ratio Lower Upper  
84 100  
49 107.3 90.6 136.0  
51 31.4 27.8 41.8  
86 53.7 50.1 75.1





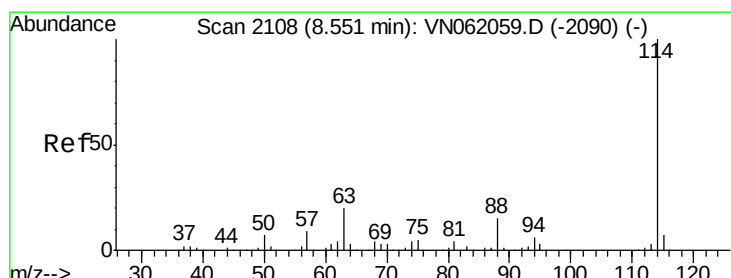
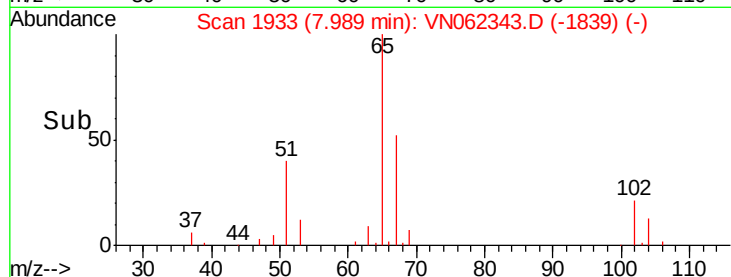
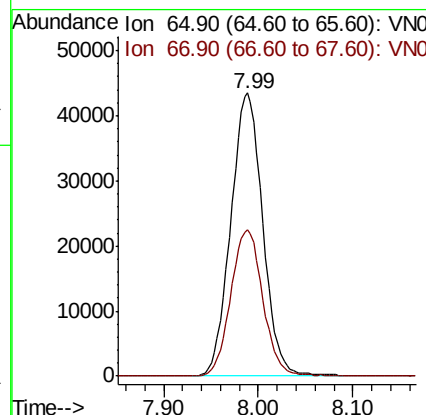
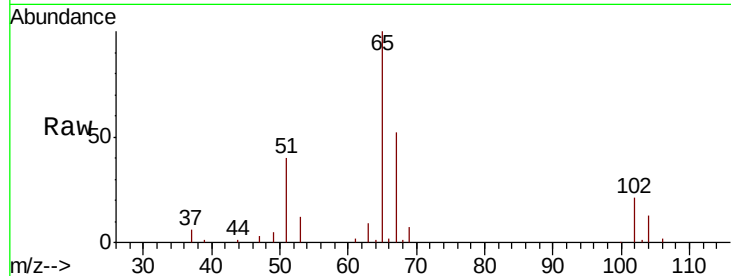
#33  
 1,2-Dichloroethane-d4  
 Concen: 59.359 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. 0.00 min  
 Lab File: VN062343.D  
 Acq: 2 Jul 2020 19:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB129917ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.8  | 0.0   | 106.2 |

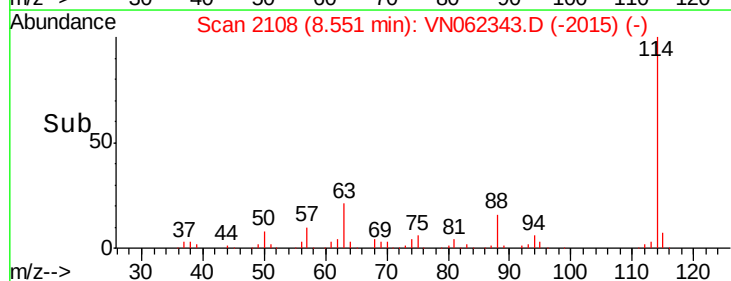
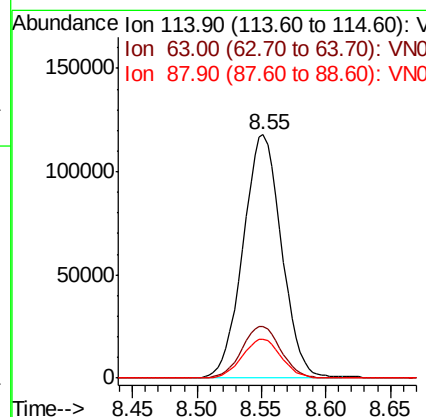
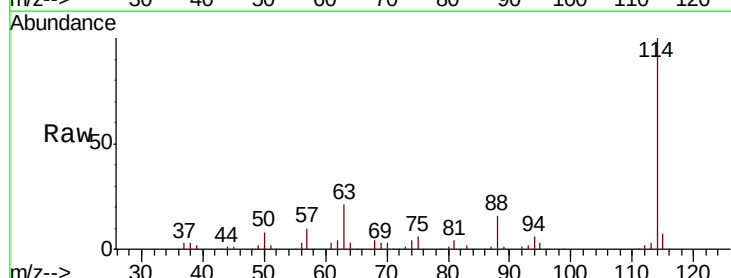
Manual Integrations  
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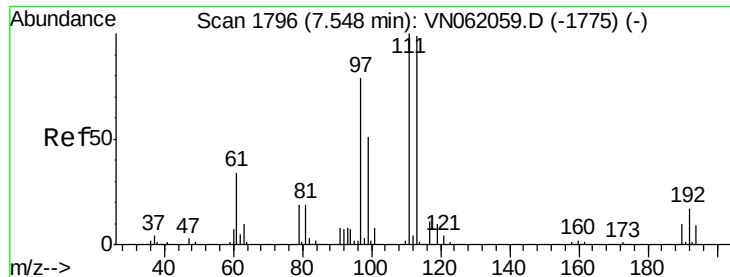
sam  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN062343.D  
 Acq: 2 Jul 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 39.2  |
| 88      | 15.9  | 0.0   | 30.8  |





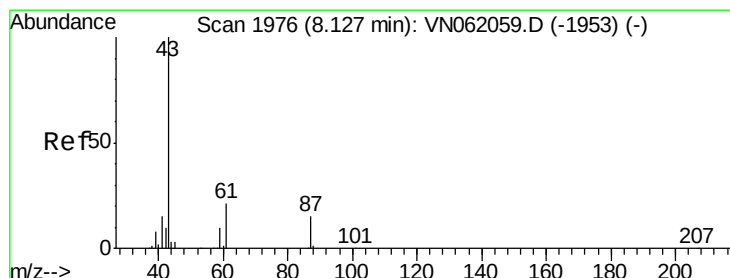
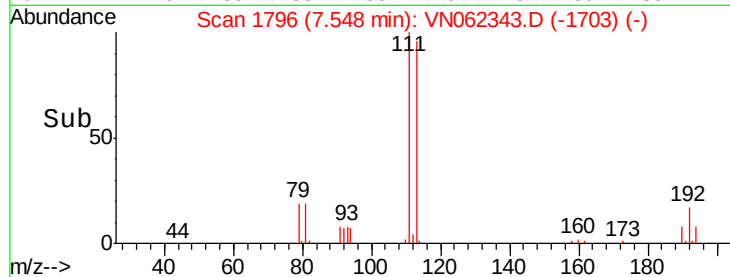
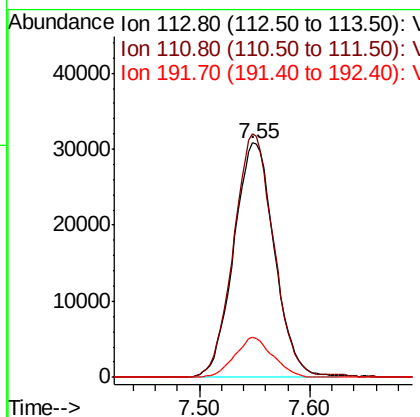
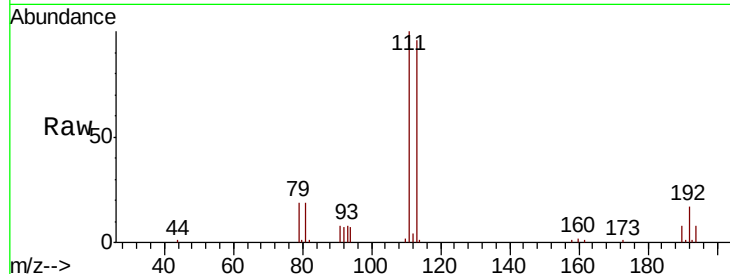
#35  
 Dibromofluoromethane  
 Concen: 50.240 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: VN062343.D  
 Acq: 2 Jul 2020 19:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB129917ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.2  | 123.4 |
| 192     | 16.0  | 14.0  | 21.0  |

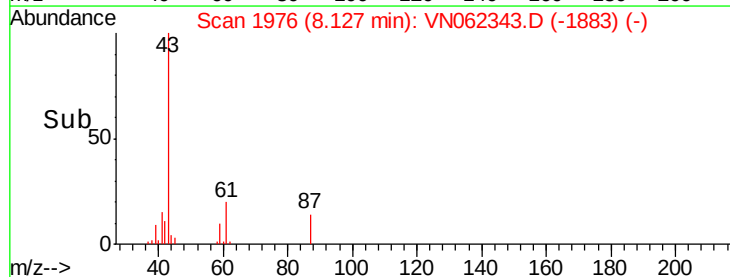
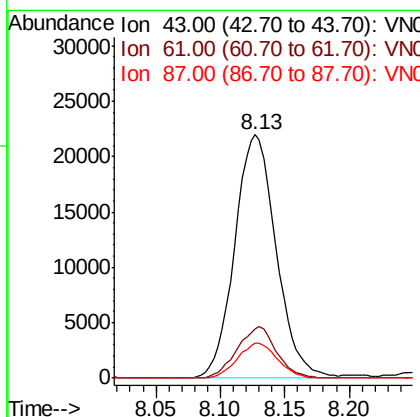
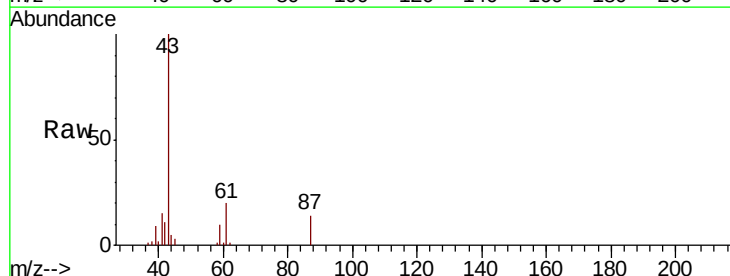
Manual Integrations  
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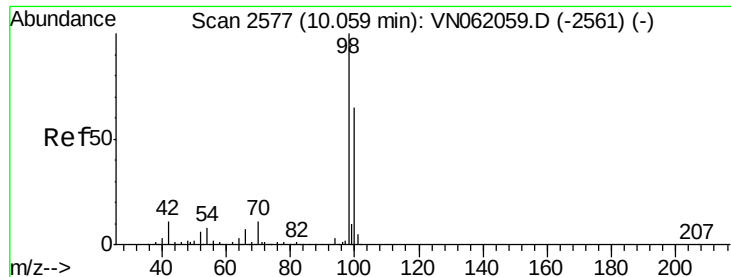
sam  
 7/6/2020 11:34:16 AM



#43  
 Isopropyl Acetate  
 Concen: 14.789 ug/l  
 RT: 8.13 min Scan# 1976  
 Delta R.T. 0.00 min  
 Lab File: VN062343.D  
 Acq: 2 Jul 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.9  | 17.2  | 25.8  |
| 87      | 13.7  | 12.1  | 18.1  |





#50

Toluene-d8

Concen: 52.704 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062343.D

Acq: 2 Jul 2020 19:18

Instrument :

MSVOA\_N

ClientSampleId :

PB129917ZHE#01

Tot Ion: 98 Resp: 331157

Ion Ratio Lower Upper

98 100

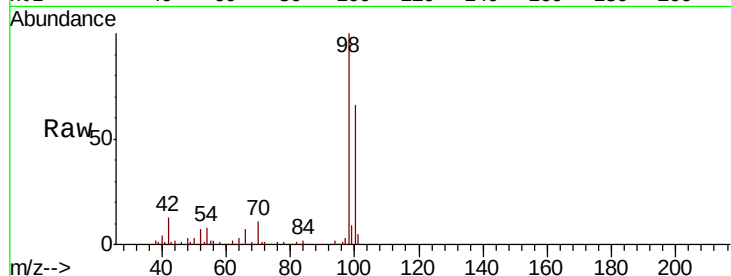
100 64.5 51.2 76.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

200000

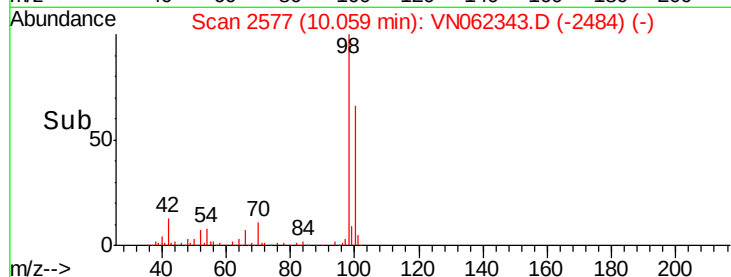
150000

100000

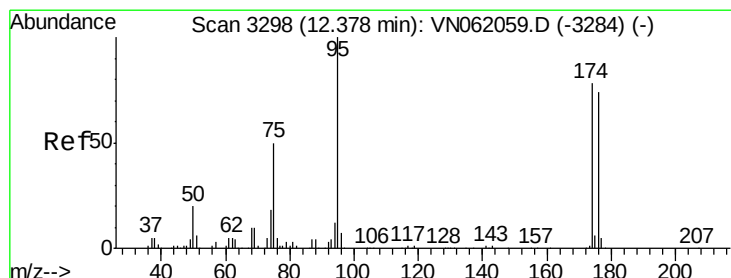
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 48.189 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062343.D

Acq: 2 Jul 2020 19:18

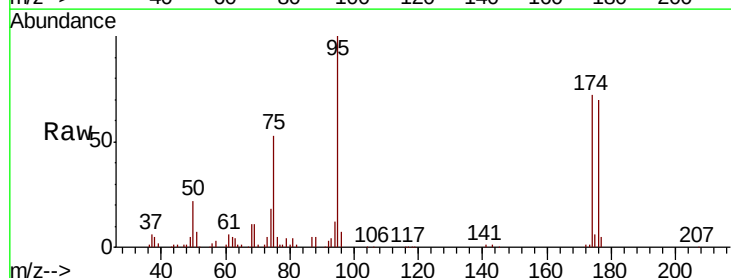
Tgt Ion: 95 Resp: 102301

Ion Ratio Lower Upper

95 100

174 72.4 0.0 154.8

176 68.8 0.0 147.4



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

80000

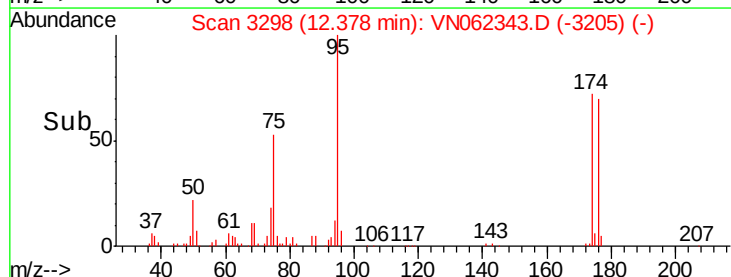
60000

40000

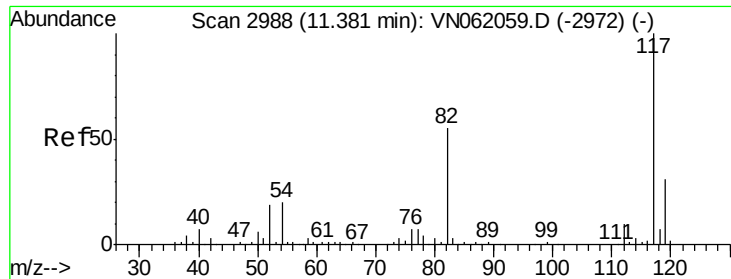
20000

0

Time-->



Time-->



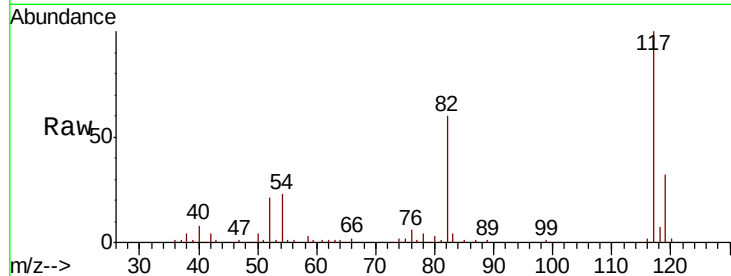
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN062343.D  
Acq: 2 Jul 2020 19:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB129917ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.1  | 43.8  | 65.8  |
| 119     | 32.1  | 25.2  | 37.8  |

Manual Integrations  
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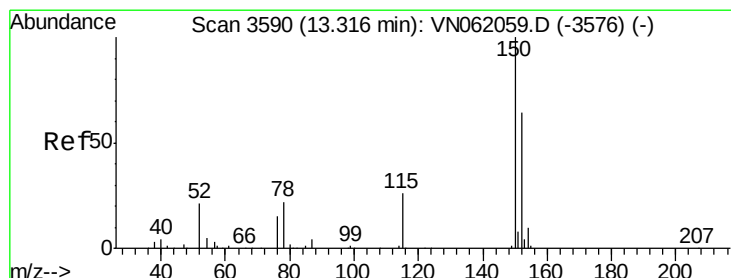
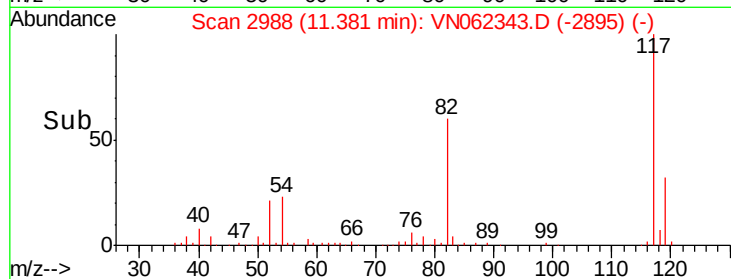
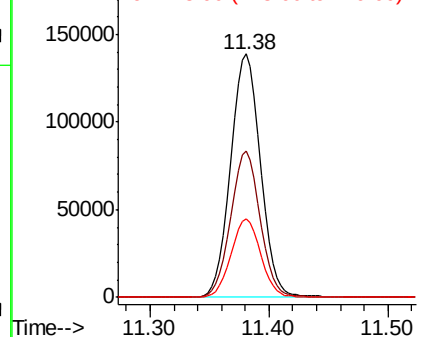


Abundance

Ion 116.90 (116.60 to 117.60): V

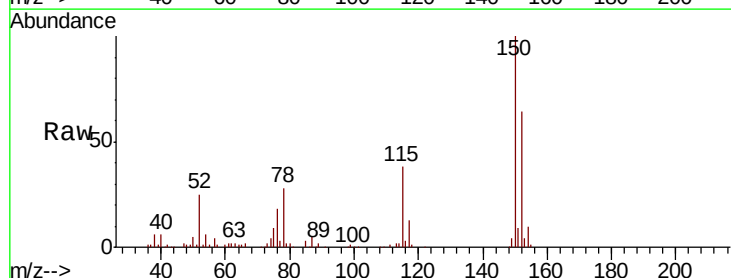
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN062343.D  
Acq: 2 Jul 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.2  | 29.5  | 88.5  |
| 150     | 155.3 | 0.0   | 351.4 |



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

