

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\  
 Data File : VN064494.D  
 Acq On : 6 Nov 2020 19:40  
 Operator : JC/MD  
 Sample : L4656-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SR-L14-L13-SOUTH

Manual Integrations  
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MMDadoda  
 11/9/2020 9:56:38 AM

Quant Time: Nov 07 04:42:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 12:09:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 242842   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 523148   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 551534   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 206689   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 237974   | 56.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.52% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 176306   | 49.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.00%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 675117   | 49.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.08%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 257559   | 49.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.94%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 42810    | 26.569 | ug/l    | 100      |
| 18) Methyl Acetate          | 4.29  | 43   | 6243m    | 1.971  | ug/l    |          |
| 20) Methylene Chloride      | 4.50  | 84   | 14158    | 4.429  | ug/l    | 93       |
| 25) 2-Butanone              | 6.80  | 43   | 11101    | 5.407  | ug/l    | 91       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 98810    | 11.032 | ug/l    | 99       |

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

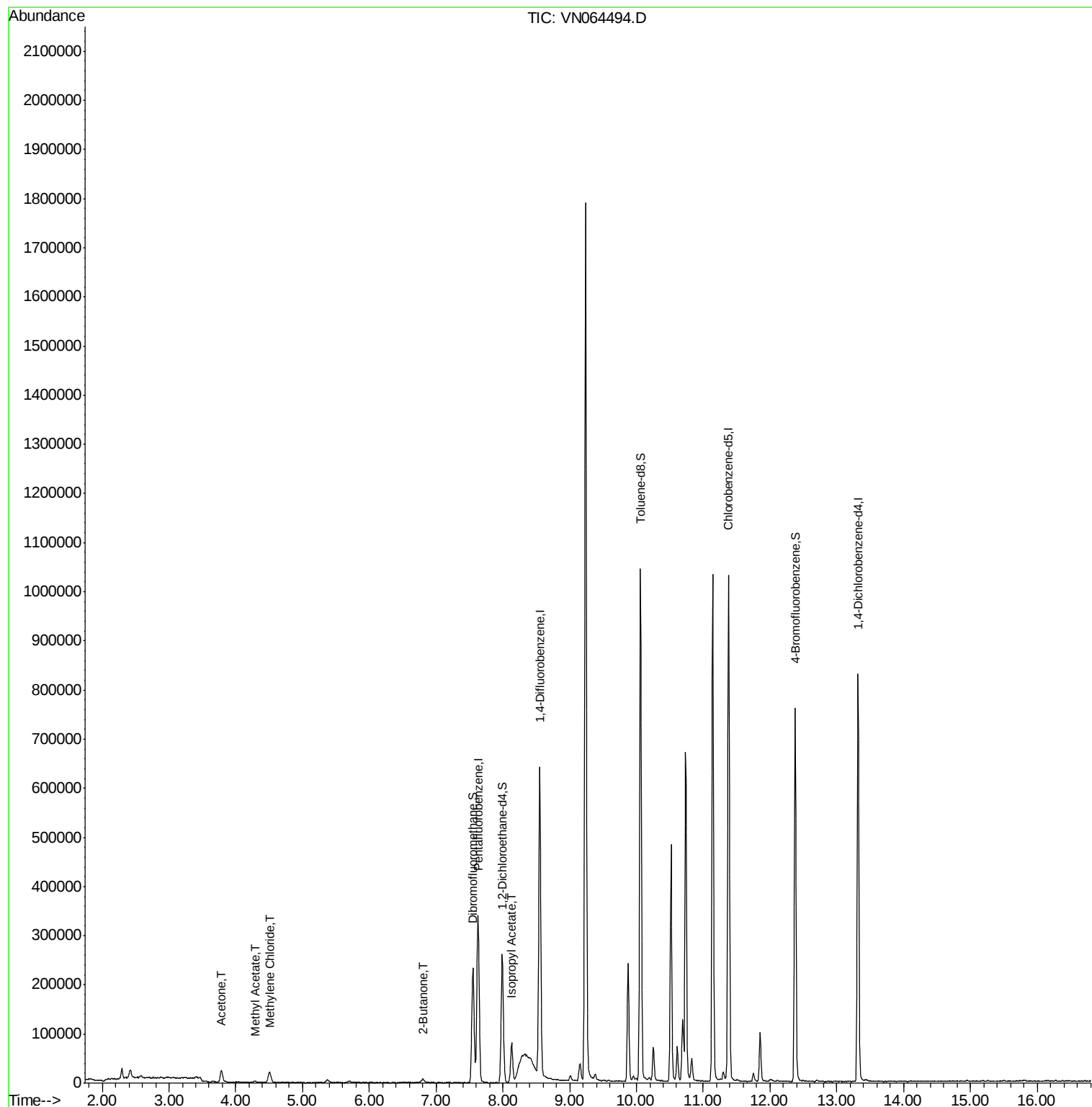
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110620\  
Data File : VN064494.D  
Acq On : 6 Nov 2020 19:40  
Operator : JC/MD  
Sample : L4656-10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SR-L14-L13-SOUTH

Manual Integrations  
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Quant Time: Nov 07 04:42:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 12:09:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064494.D

Acq: 6 Nov 2020 19:40

Instrument :

MSVOA\_N

ClientSampleId :

SR-L14-L13-SOUTH

Tot Ion:168 Resp: 242842

Ion Ratio Lower Upper

168 100

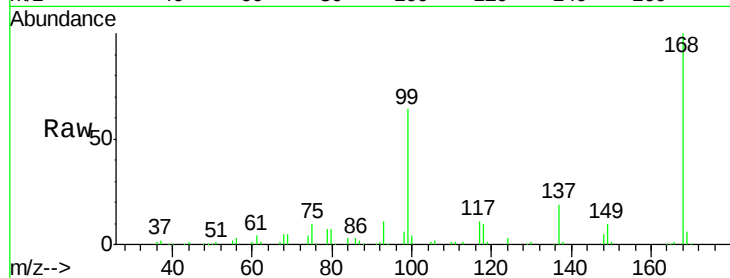
99 64.4 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

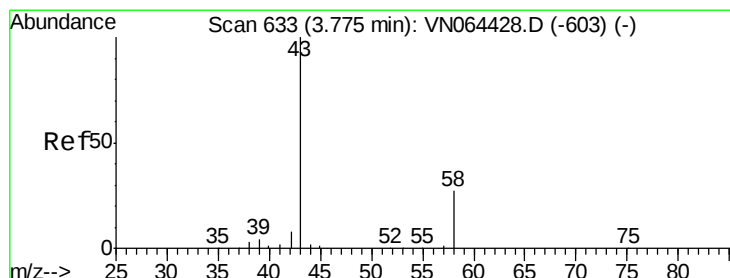
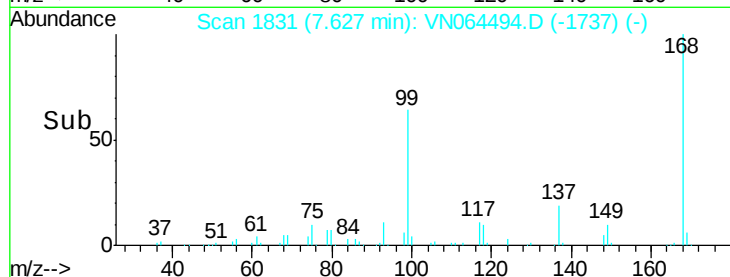
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 26.569 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064494.D

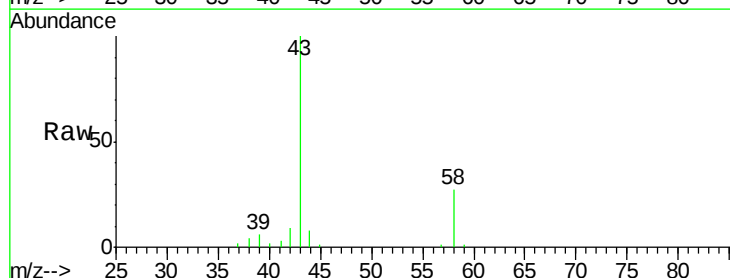
Acq: 6 Nov 2020 19:40

Tgt Ion: 43 Resp: 42810

Ion Ratio Lower Upper

43 100

58 26.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

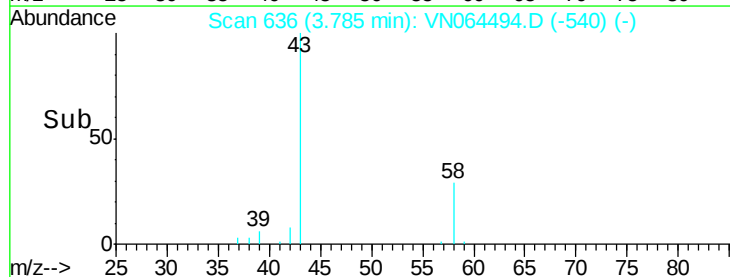
15000

10000

5000

0

Time-->





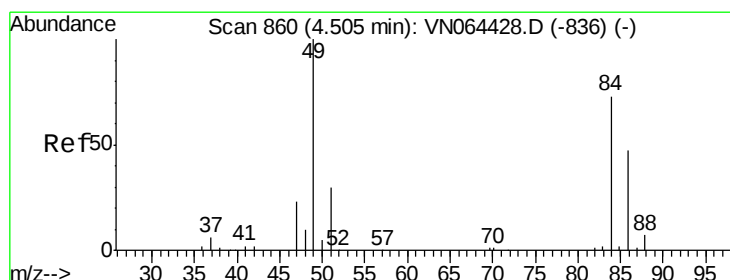
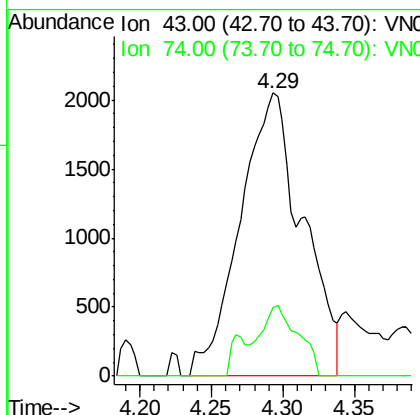
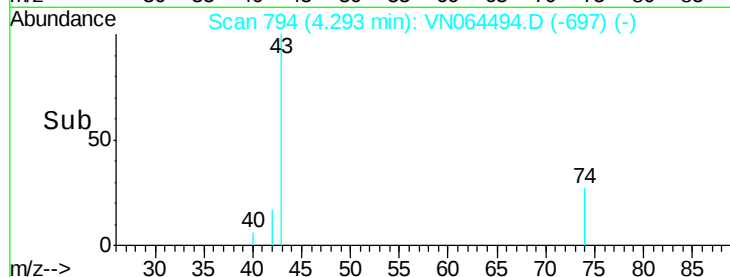
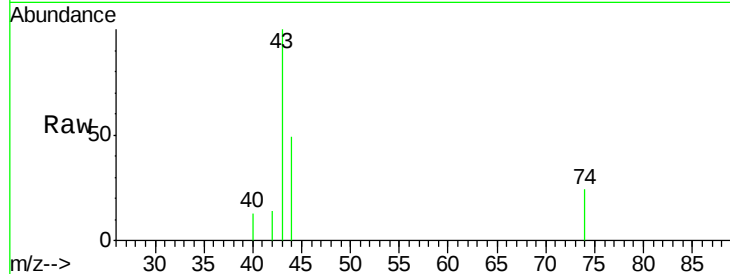
#18  
Methyl Acetate  
Concen: 1.971 ug/l m  
RT: 4.29 min Scan# 794  
Delta R.T. 0.01 min  
Lab File: VN064494.D  
Acq: 6 Nov 2020 19:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
SR-L14-L13-SOUTH

Tot Ion: 43 Resp: 6243  
Ion Ratio Lower Upper  
43 100  
74 14.6 17.0 25.4#

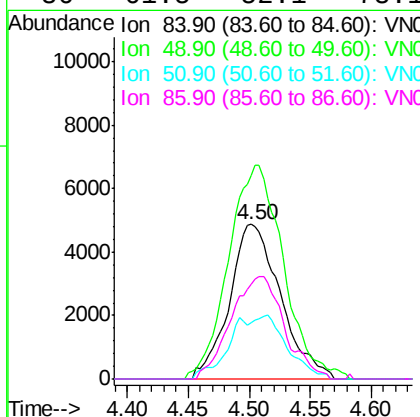
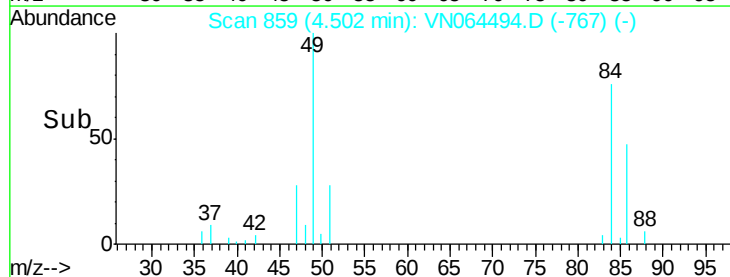
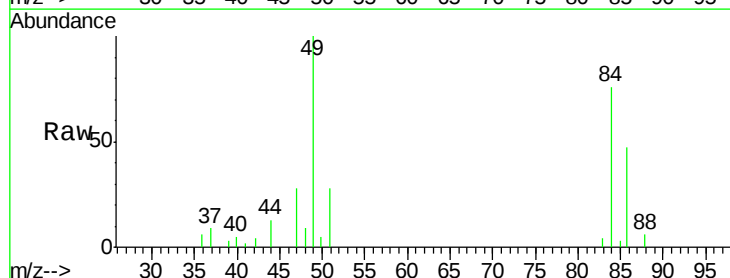
Manual Integrations  
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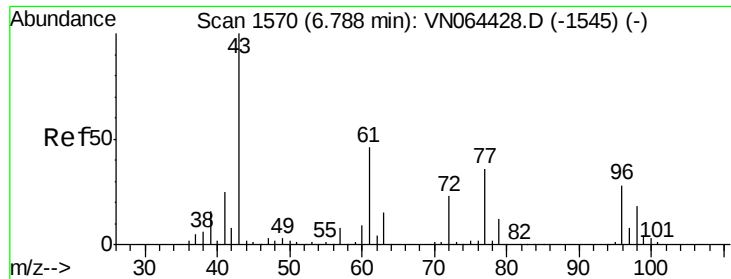
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#20  
Methylene Chloride  
Concen: 4.429 ug/l  
RT: 4.50 min Scan# 859  
Delta R.T. -0.00 min  
Lab File: VN064494.D  
Acq: 6 Nov 2020 19:40

Tgt Ion: 84 Resp: 14158  
Ion Ratio Lower Upper  
84 100  
49 127.4 110.1 165.1  
51 36.4 33.6 50.4  
86 61.5 52.1 78.1





#25

2-Butanone

Concen: 5.407 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN064494.D

Acq: 6 Nov 2020 19:40

Instrument :

MSVOA\_N

ClientSampleId :

SR-L14-L13-SOUTH

Tot Ion: 43 Resp: 11101

Ion Ratio Lower Upper

43 100

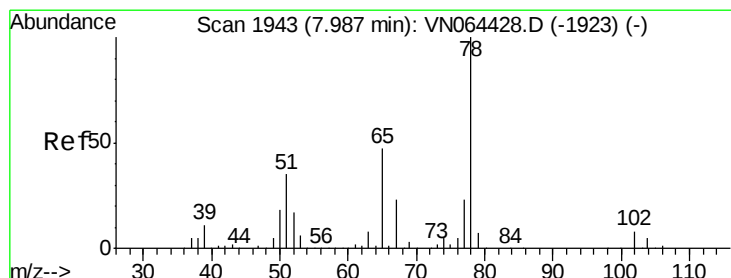
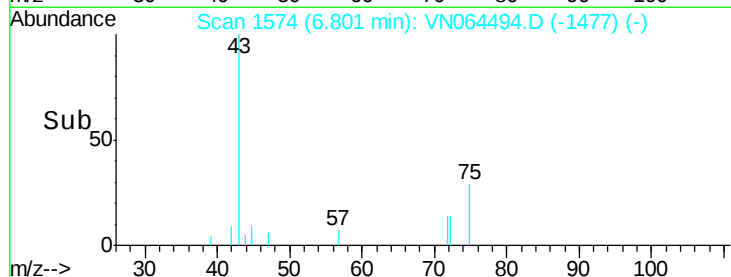
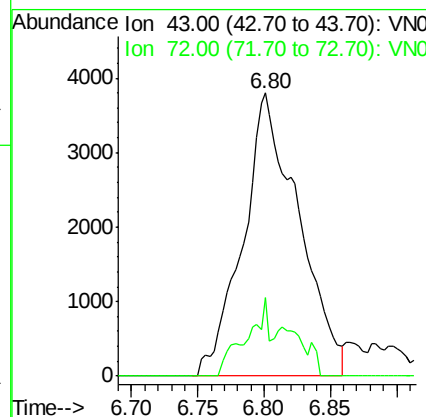
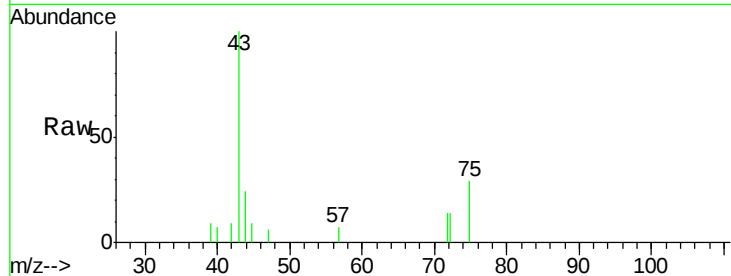
72 27.7 18.5 27.7

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#33

1,2-Dichloroethane-d4

Concen: 56.260 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064494.D

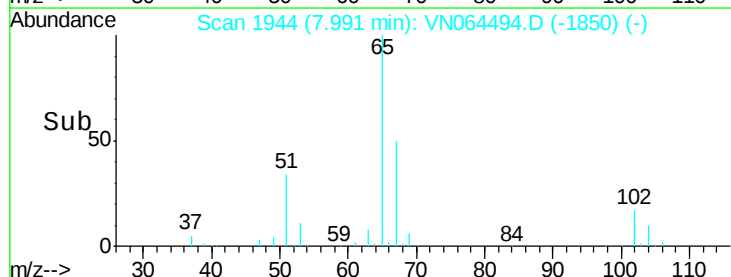
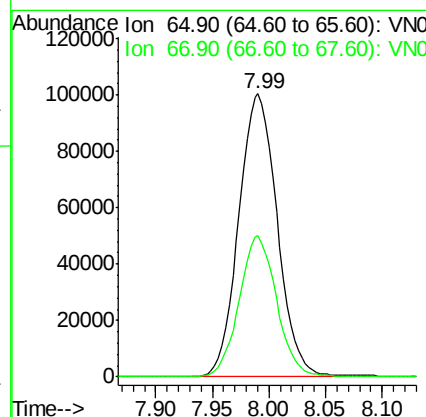
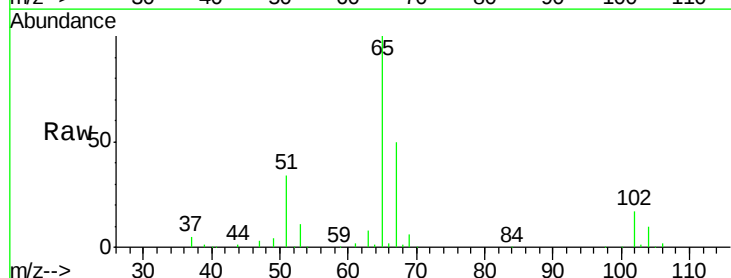
Acq: 6 Nov 2020 19:40

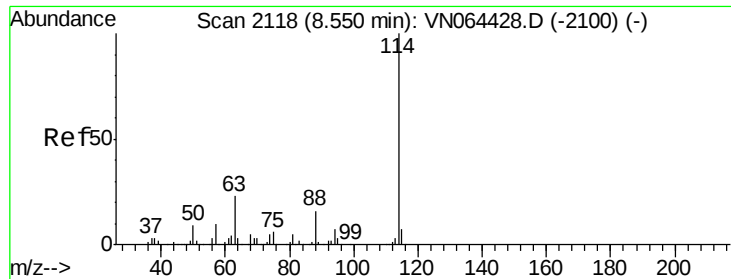
Tgt Ion: 65 Resp: 237974

Ion Ratio Lower Upper

65 100

67 48.5 0.0 101.6





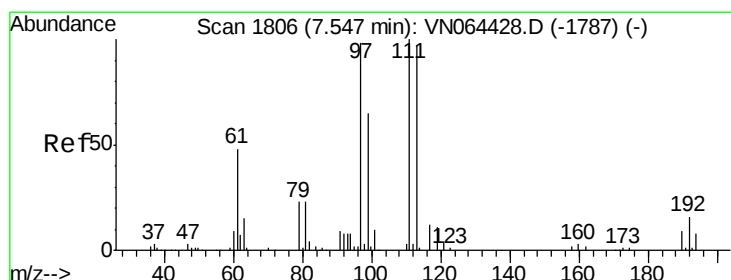
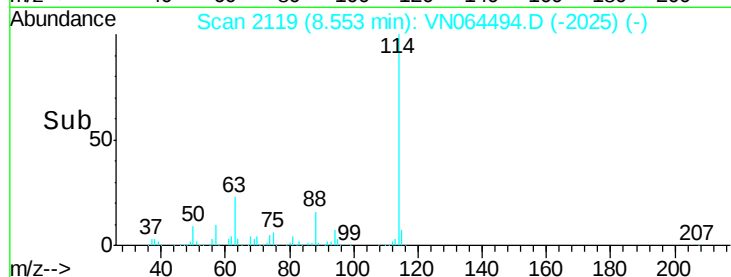
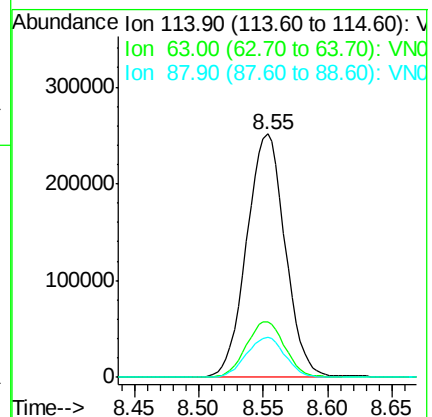
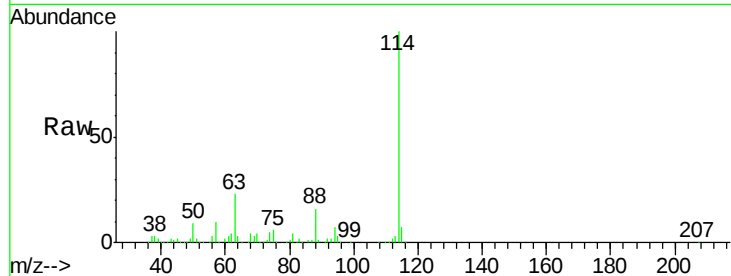
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN064494.D  
 Acq: 6 Nov 2020 19:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SR-L14-L13-SOUTH

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 114     | 100   |            |       |
| 63      | 22.5  | 0.0        | 45.6  |
| 88      | 16.4  | 0.0        | 32.8  |

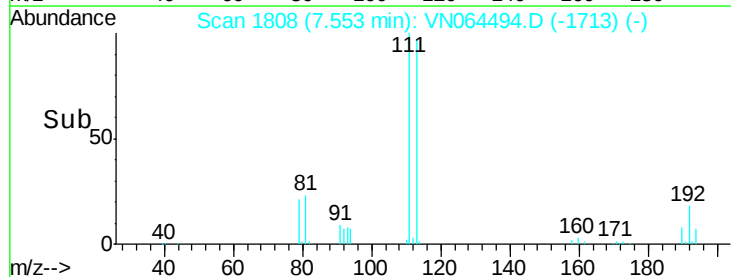
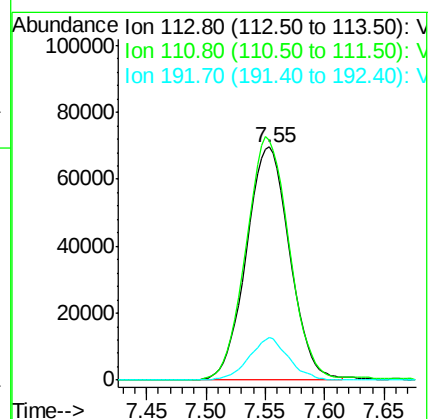
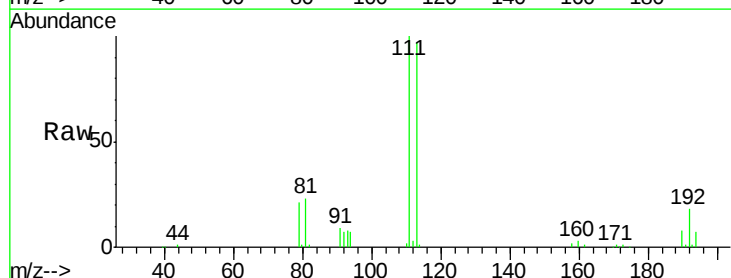
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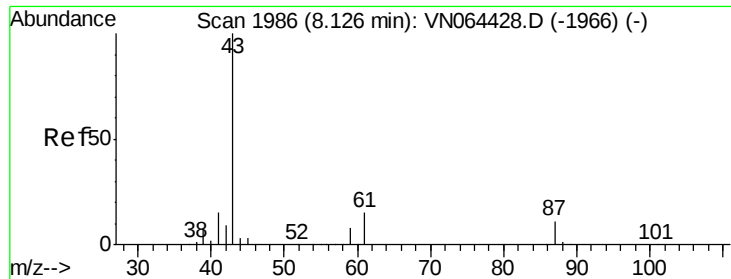
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 11/9/2020 9:56:38 AM



#35  
 Dibromofluoromethane  
 Concen: 49.497 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.01 min  
 Lab File: VN064494.D  
 Acq: 6 Nov 2020 19:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 113     | 100   |            |       |
| 111     | 103.4 | 81.1       | 121.7 |
| 192     | 16.5  | 12.8       | 19.2  |





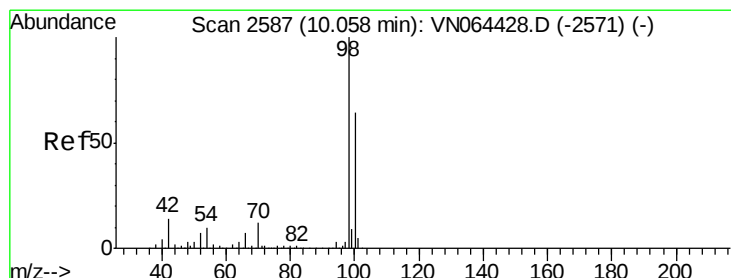
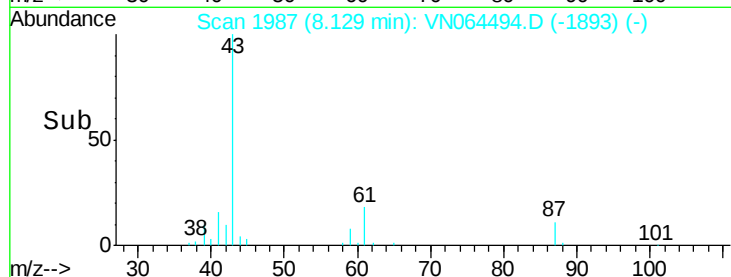
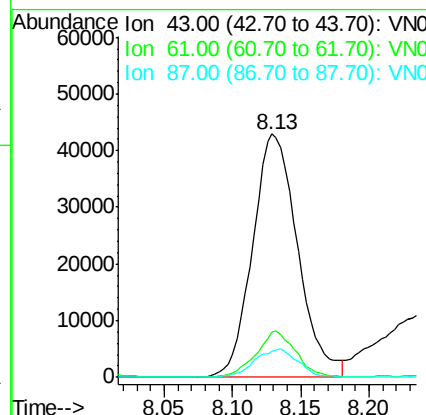
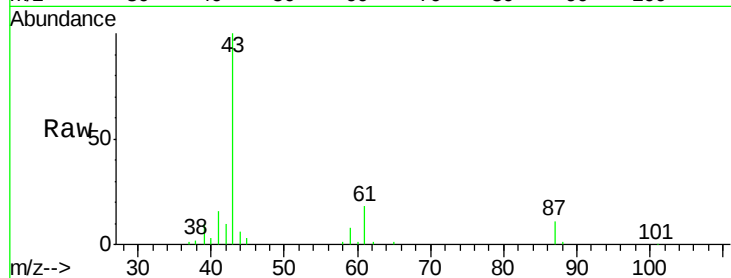
#43  
Isopropyl Acetate  
Concen: 11.032 ug/l  
RT: 8.13 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN064494.D  
Acq: 6 Nov 2020 19:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
SR-L14-L13-SOUTH

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.8  | 14.0  | 21.0  |
| 87      | 11.1  | 9.1   | 13.7  |

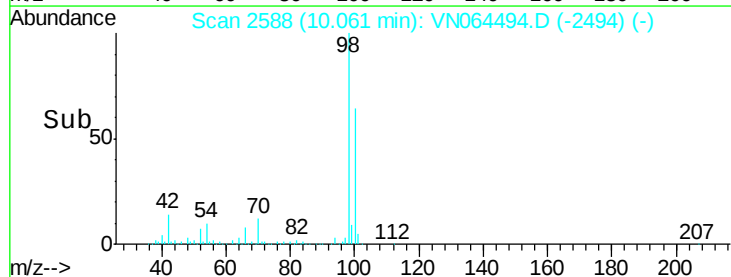
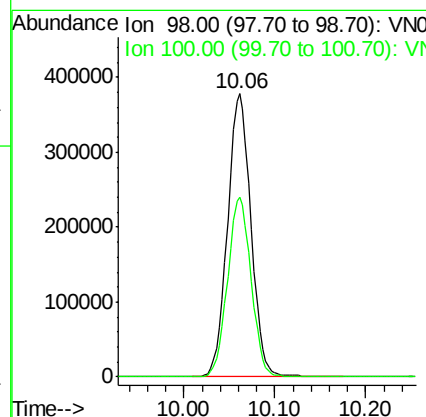
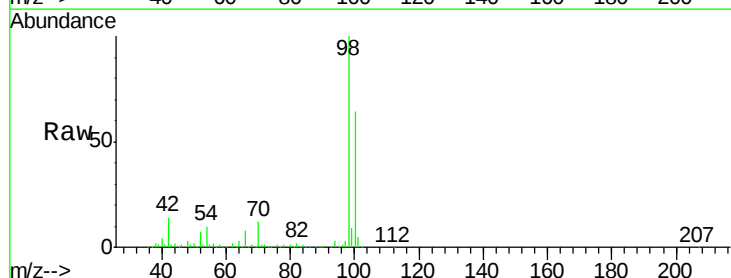
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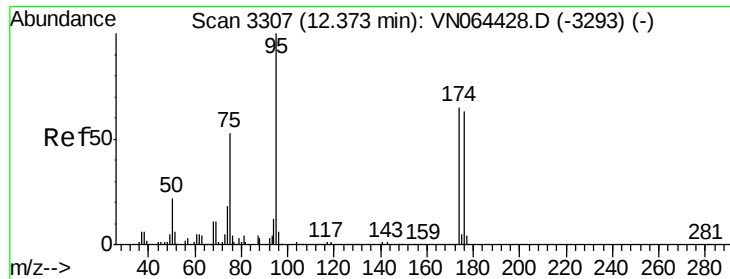
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#50  
Toluene-d8  
Concen: 49.039 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN064494.D  
Acq: 6 Nov 2020 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 50.7  | 76.1  |





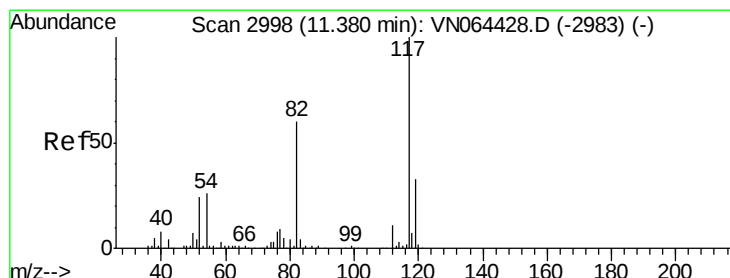
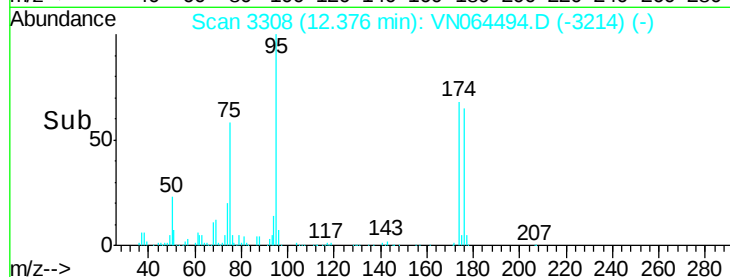
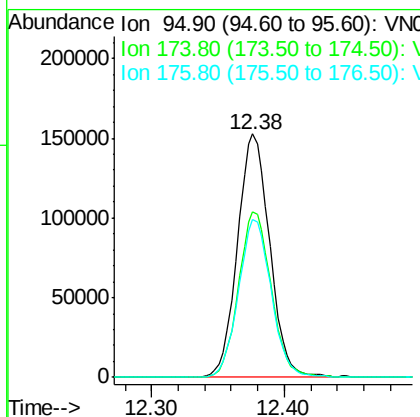
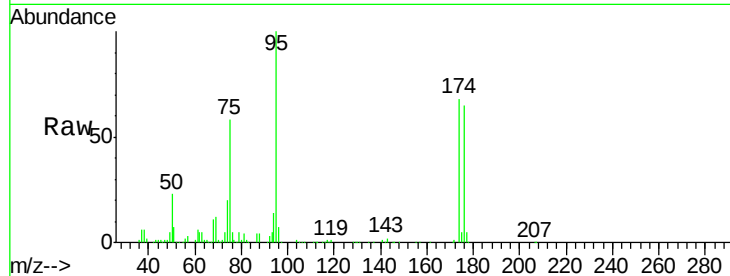
#62  
4-Bromofluorobenzene  
Concen: 49.469 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064494.D  
Acq: 6 Nov 2020 19:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
SR-L14-L13-SOUTH

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 257559 |       |       |
| 174     | 69.2  | 0.0    | 132.6 |       |
| 176     | 65.9  | 0.0    | 129.2 |       |

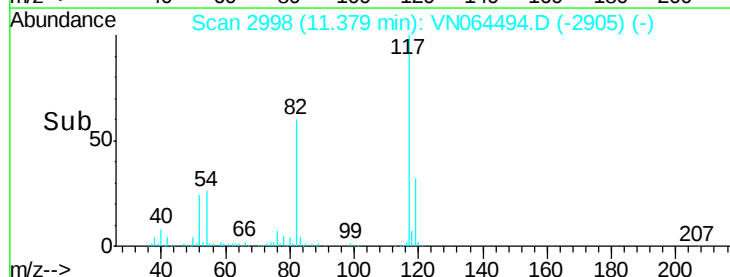
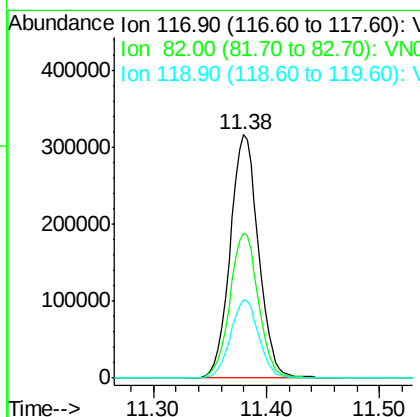
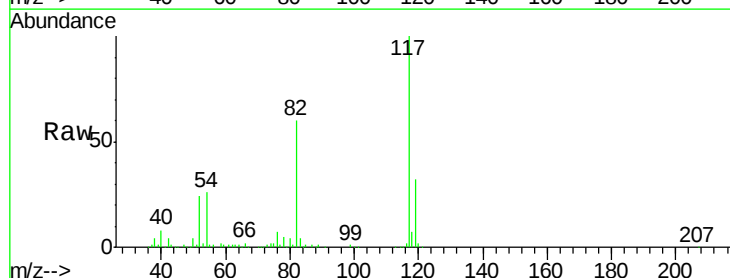
Manual Integrations  
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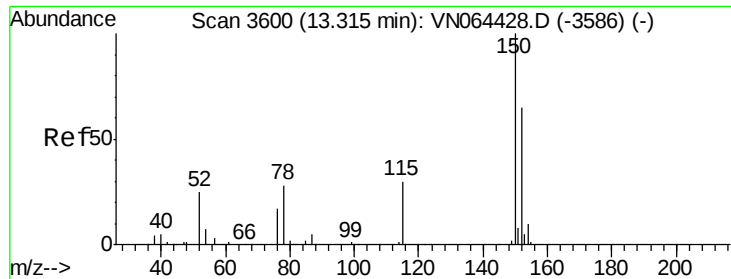
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11/9/2020 9:56:38 AM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064494.D  
Acq: 6 Nov 2020 19:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 551534 |       |       |
| 82      | 59.6  | 48.1   | 72.1  |       |
| 119     | 32.0  | 26.2   | 39.4  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064494.D

Acq: 6 Nov 2020 19:40

Instrument :

MSVOA\_N

ClientSampleId :

SR-L14-L13-SOUTH

Tot Ion:152 Resp: 206689

Ion Ratio Lower Upper

152 100

115 64.0 32.0 96.0

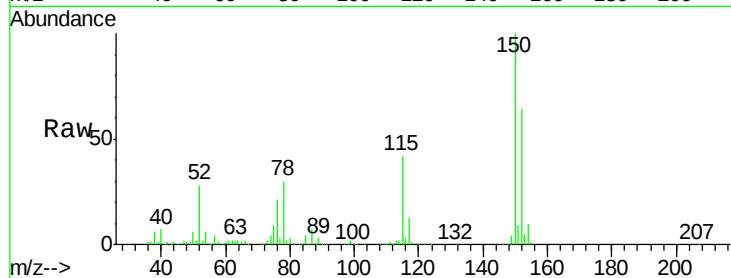
150 156.6 0.0 353.8

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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

