

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032521\  
 Data File : VN066327.D  
 Acq On : 25 Mar 2021 12:44  
 Operator : JC/MD  
 Sample : M1741-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OF-1

Manual Integrations  
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Quant Time: Mar 26 04:39:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N032421W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 25 05:52:50 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 7.102  | 128   | 131671   | 30.00    | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.512  | 114   | 702743   | 30.00    | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.347 | 117   | 598695   | 30.00    | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4   | 7.947  | 65    | 298554   | 29.50    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 98.33%   |
| 60) 4-Bromofluorobenzene    | 12.345 | 95    | 261443   | 27.98    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 93.27%   |
| 63) Toluene-d8              | 10.028 | 98    | 834501   | 29.70    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 99.00%   |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 15) Acetone                 | 3.731  | 58    | 22235m   | 17.54    | ug/l  |          |
| 30) 2-Butanone              | 6.753  | 43    | 10771m   | 1.75     | ug/l  |          |
| 58) 4-Methyl-2-Pentanone    | 9.923  | 43    | 32993    | 2.75     | ug/l  | 99       |
| -----                       |        |       |          |          |       |          |

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

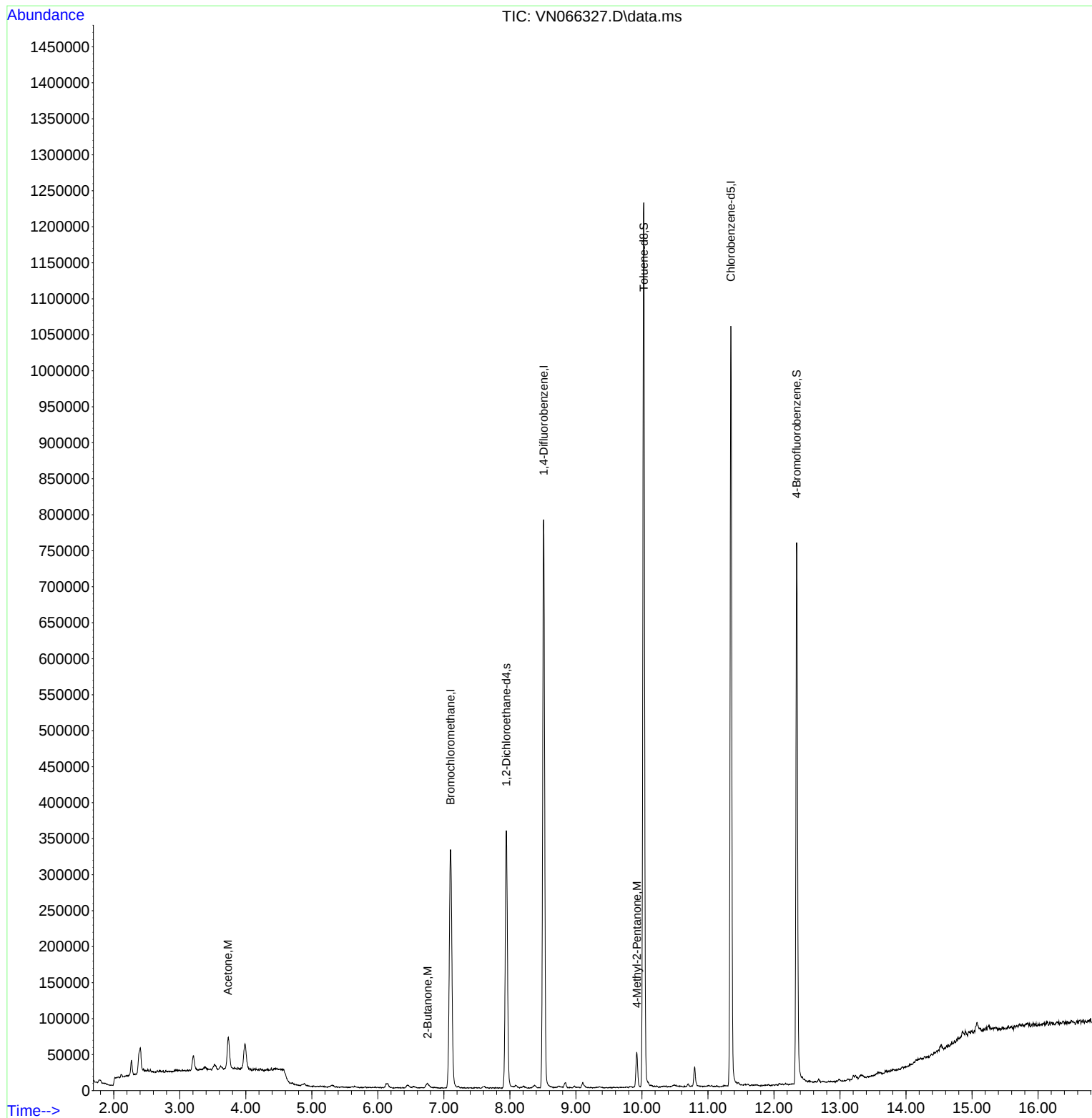
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032521\  
Data File : VN066327.D  
Acq On : 25 Mar 2021 12:44  
Operator : JC/MD  
Sample : M1741-01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

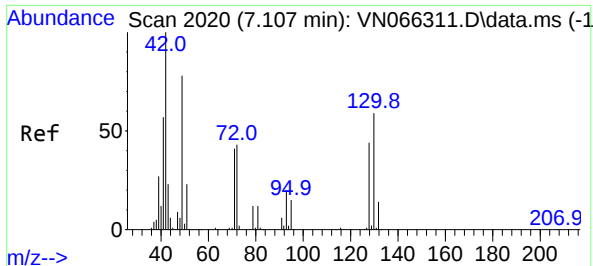
Instrument :  
MSVOA\_N  
ClientSampleId :  
OF-1

Manual Integrations  
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Quant Time: Mar 26 04:39:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N032421W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Mar 25 05:52:50 2021  
Response via : Initial Calibration





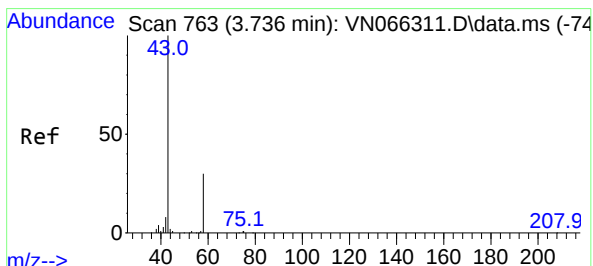
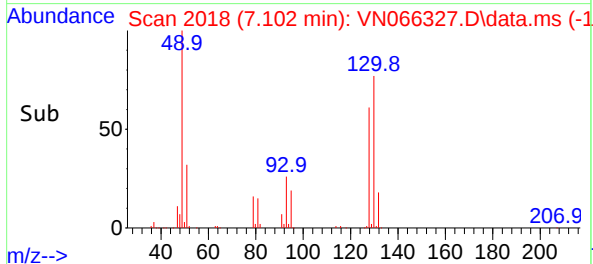
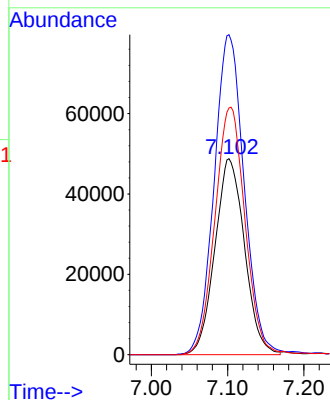
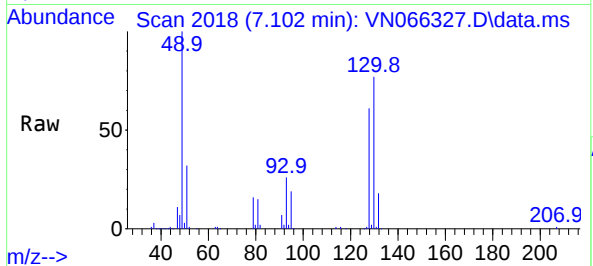
#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.102 min Scan# 2018  
Delta R.T. -0.005 min  
Lab File: VN066327.D  
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Tgt Ion:128 Resp: 131671  
Ion Ratio Lower Upper  
128 100  
49 164.5 0.0 429.3  
130 128.0 0.0 328.5

Instrument :  
MSVOA\_N  
ClientSampled :  
OF-1

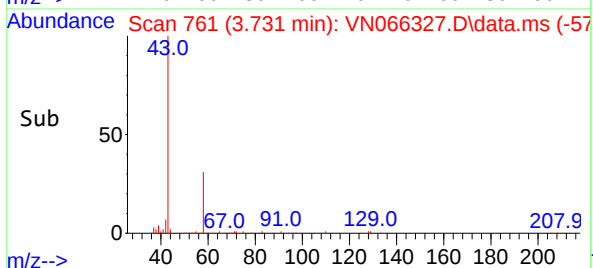
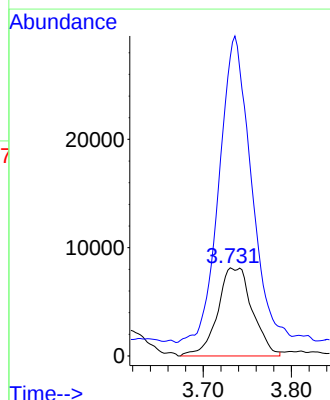
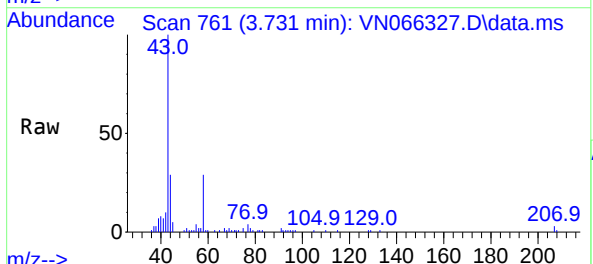
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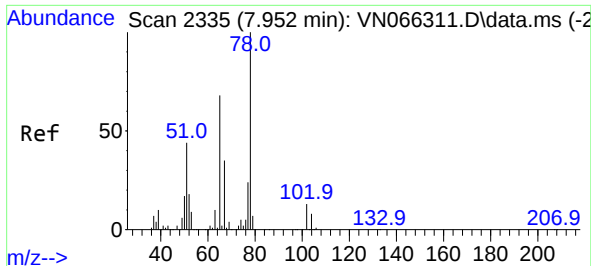
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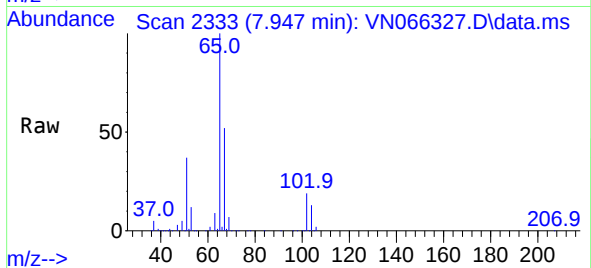
#15  
Acetone  
Concen: 17.54 ug/l m  
RT: 3.731 min Scan# 761  
Delta R.T. -0.005 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44

Tgt Ion: 58 Resp: 22235  
Ion Ratio Lower Upper  
58 100  
43 339.2 267.3 400.9

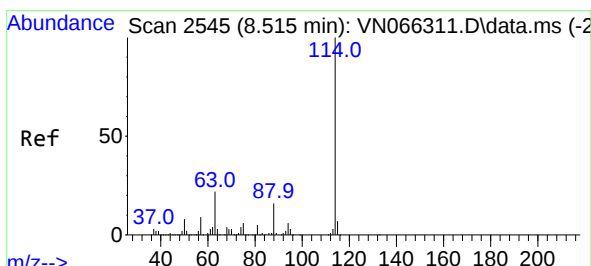
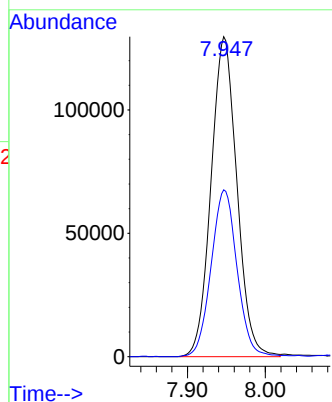
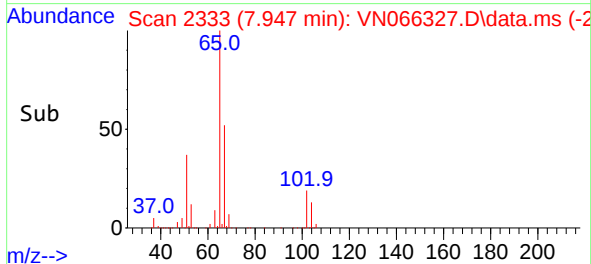




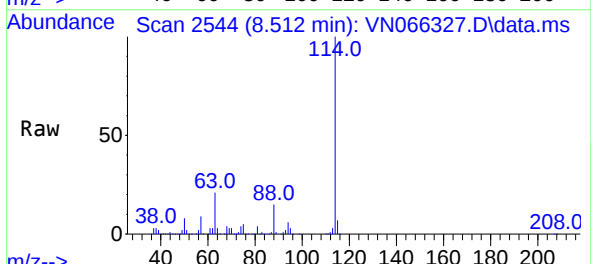
#27  
1,2-Dichloroethane-d4  
Concen: 29.50 ug/l  
RT: 7.947 min Scan# 2333  
Delta R.T. -0.005 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44



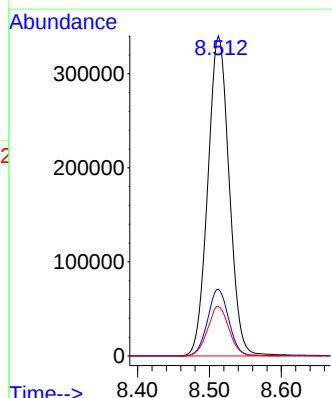
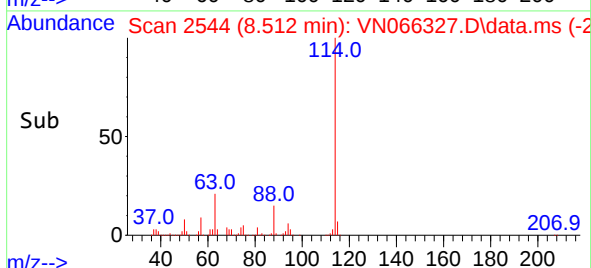
Tgt Ion: 65 Resp: 298554  
Ion Ratio Lower Upper  
65 100  
67 52.5 42.2 63.4



#28  
1,4-Difluorobenzene  
Concen: 30.00 ug/l  
RT: 8.512 min Scan# 2544  
Delta R.T. -0.003 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44



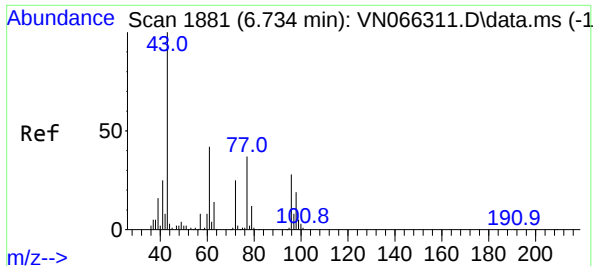
Tgt Ion: 114 Resp: 702743  
Ion Ratio Lower Upper  
114 100  
63 20.7 17.4 26.0  
88 15.6 12.6 19.0



Instrument :  
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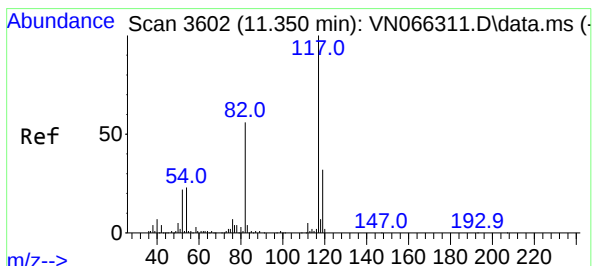
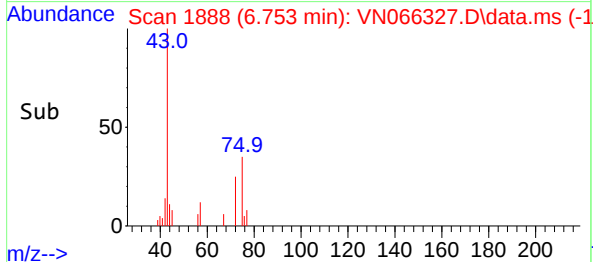
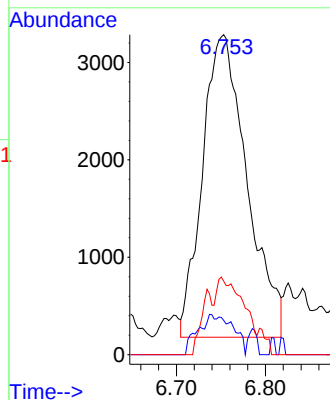
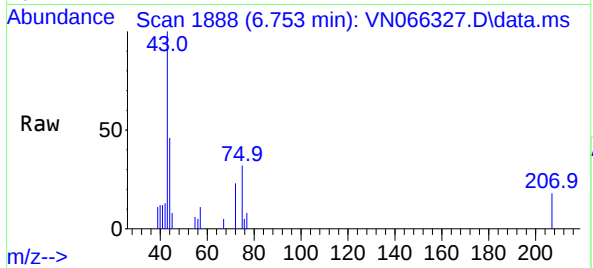
#30  
2-Butanone  
Concen: 1.75 ug/l m  
RT: 6.753 min Scan# 1888  
Delta R.T. 0.019 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 10771 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 57 0.0      | 6.9 10.3#   |
| 72 1.9      | 20.9 31.3#  |

Instrument :  
MSVOA\_N  
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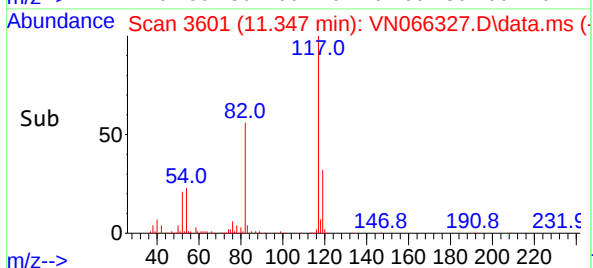
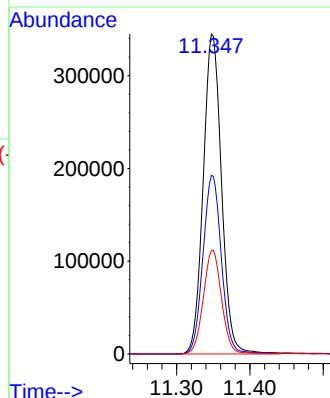
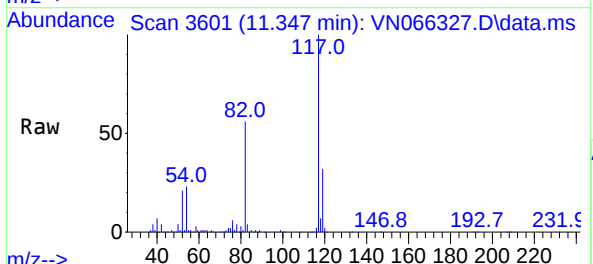
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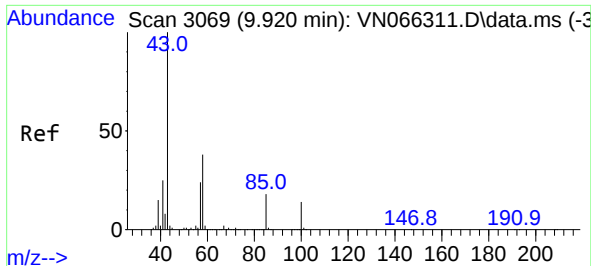
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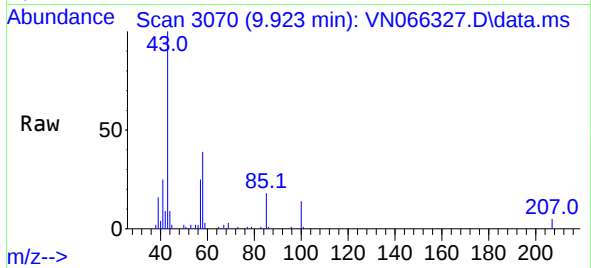
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.347 min Scan# 3601  
Delta R.T. -0.003 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44

|             |              |
|-------------|--------------|
| Tgt Ion:117 | Resp: 598695 |
| Ion Ratio   | Lower Upper  |
| 117 100     |              |
| 82 56.1     | 45.0 67.6    |
| 119 32.3    | 25.5 38.3    |

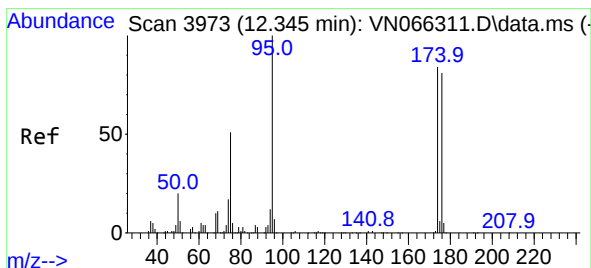
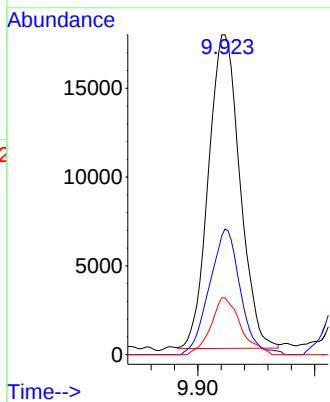
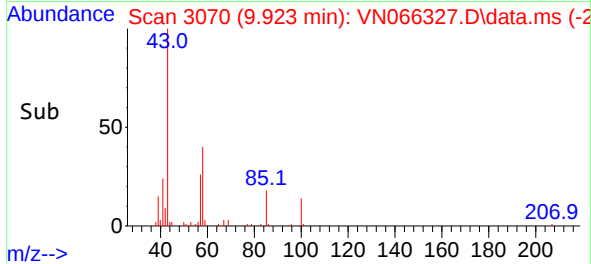




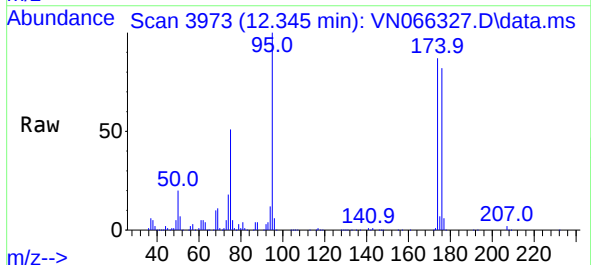
#58  
4-Methyl-2-Pentanone  
Concen: 2.75 ug/l  
RT: 9.923 min Scan# 3070  
Delta R.T. 0.003 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44



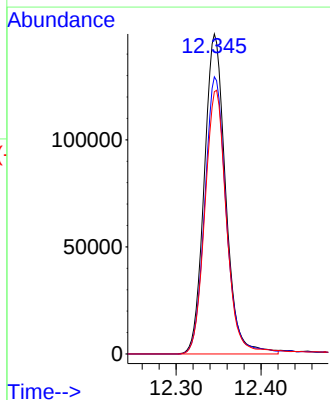
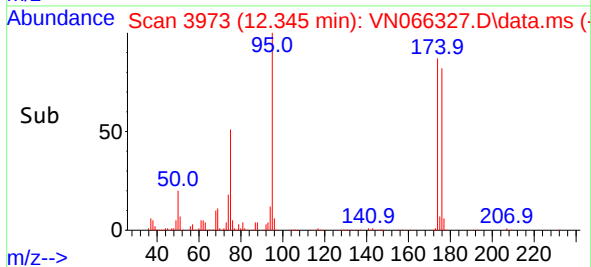
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 32993 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.3  | 30.4  | 45.6  |
| 85       | 17.2  | 13.8  | 20.8  |



#60  
4-Bromofluorobenzene  
Concen: 27.98 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. 0.000 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44



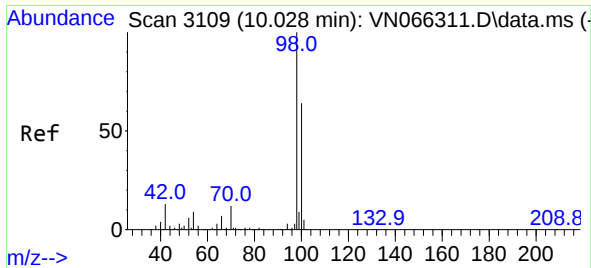
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 261443 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 87.0  | 68.1  | 102.1  |
| 176      | 82.1  | 65.4  | 98.0   |



Instrument :  
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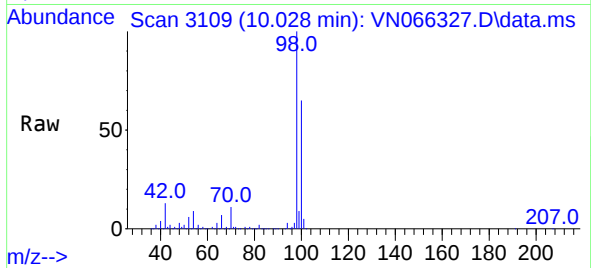
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#63  
Toluene-d8  
Concen: 29.70 ug/l  
RT: 10.028 min Scan# 3109  
Delta R.T. -0.000 min  
Lab File: VN066327.D  
Acq: 25 Mar 2021 12:44

Instrument :  
MSVOA\_N  
ClientSampled :  
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Tgt Ion: 98 Resp: 834501  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.1 76.7

Manual Integrations  
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