

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121120\  
 Data File : VN065084.D  
 Acq On : 11 Dec 2020 21:13  
 Operator : JC/MD  
 Sample : L5039-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 JBD-WC-L-SB-02

Manual Integrations  
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Quant Time: Dec 12 04:24:29 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121120W.M  
 Quant Title : Sw846 8260  
 QLast Update : Sat Dec 12 04:18:15 2020  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 7.627          | 168  | 238237     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.550          | 114  | 408626     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.380         | 117  | 435098     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.318         | 152  | 193094     | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.987          | 65   | 159182     | 57.48   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 114.96% |        |          |
| 35) Dibromofluoromethane    | 7.550          | 113  | 137817     | 49.84   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 99.68%  |        |          |
| 50) Toluene-d8              | 10.058         | 98   | 518619     | 51.68   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 103.36% |        |          |
| 62) 4-Bromofluorobenzene    | 12.376         | 95   | 202480     | 57.46   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 114.92% |        |          |
| Target Compounds            |                |      |            |         |        |          |
|                             |                |      |            |         | Qvalue |          |
| 16) Acetone                 | 3.782          | 43   | 3451m      | 13.18   | ug/l   |          |
| 39) Methylcyclohexane       | 9.045          | 83   | 1545       | 0.39    | ug/l # | 88       |
| 73) Isopropylbenzene        | 12.225         | 105  | 26797      | 2.16    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.569         | 91   | 3202       | 0.23    | ug/l   | 92       |
| 83) tert-Butylbenzene       | 12.968         | 119  | 9130       | 1.06    | ug/l   | 92       |
| 85) sec-Butylbenzene        | 13.148         | 105  | 67351      | 6.07    | ug/l   | 85       |
| 89) n-Butylbenzene          | 13.588         | 91   | 9437       | 1.12    | ug/l # | 73       |
| 91) 1,2-Dichlorobenzene     | 13.627         | 146  | 2611       | 0.43    | ug/l   | 90       |
| -----                       |                |      |            |         |        |          |

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

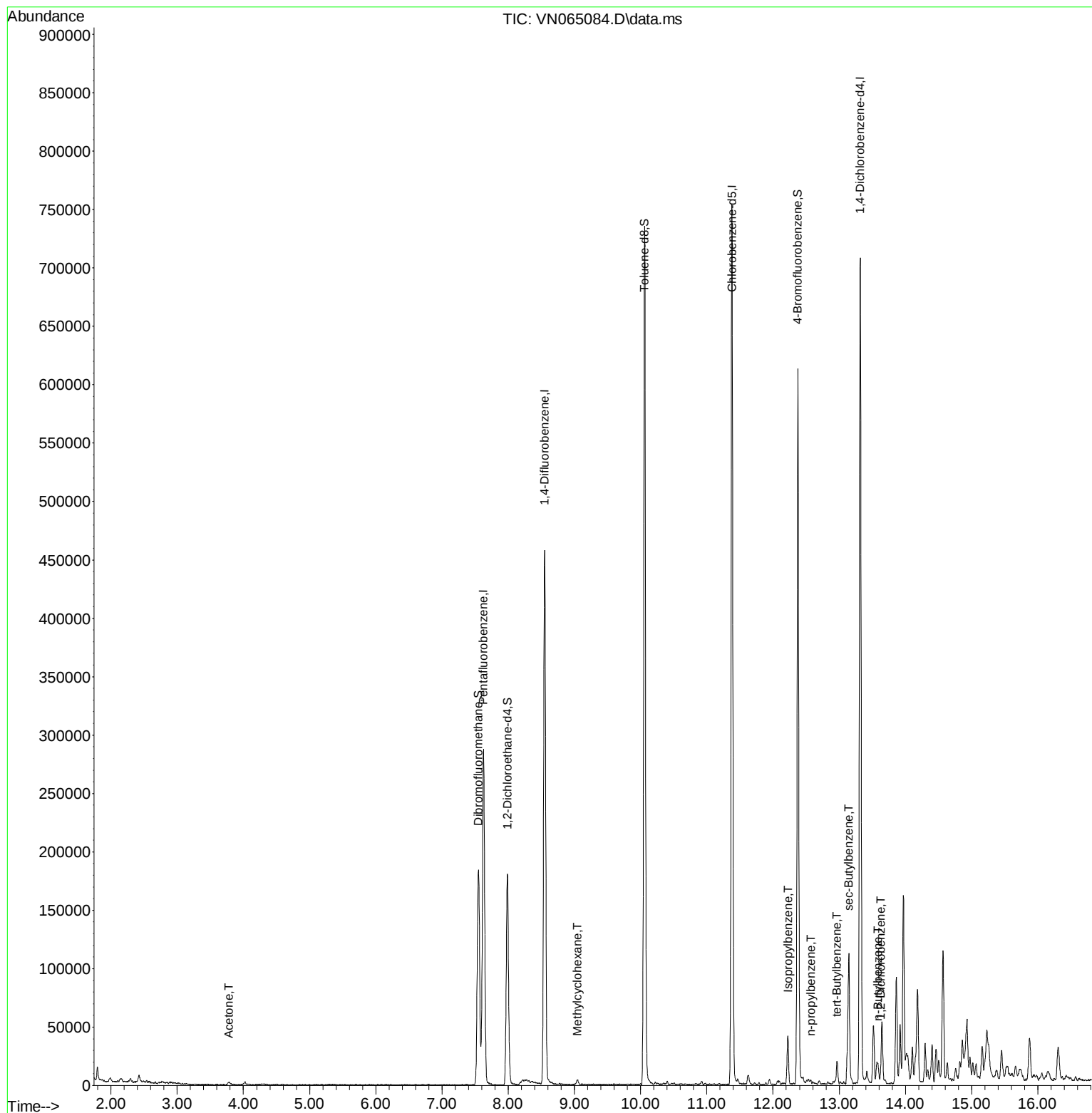
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121120\  
Data File : VN065084.D  
Acq On : 11 Dec 2020 21:13  
Operator : JC/MD  
Sample : L5039-01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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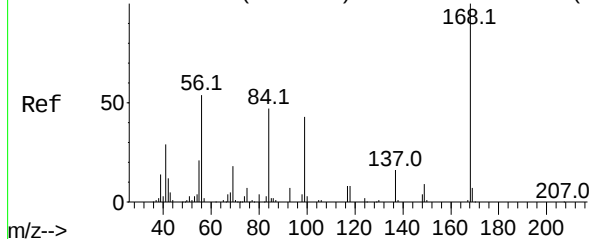
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Quant Time: Dec 12 04:24:29 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121120W.M  
Quant Title : SW846 8260  
QLast Update : Sat Dec 12 04:18:15 2020  
Response via : Initial Calibration



Abundance Scan 1830 (7.624 min): VN065073.D\data.ms (-1811) (-)



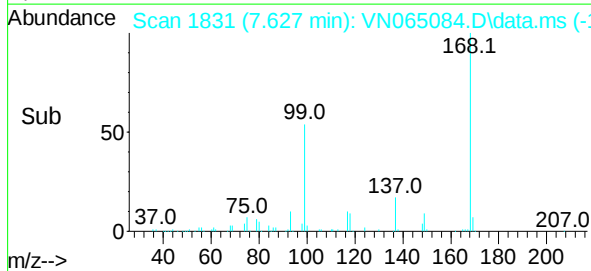
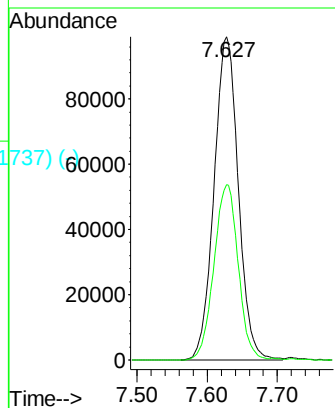
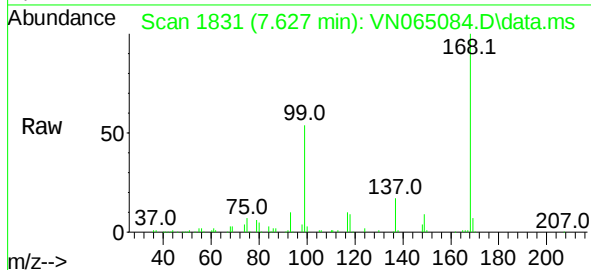
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.003 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

Tgt Ion:168 Resp: 238237  
Ion Ratio Lower Upper  
168 100  
99 54.3 43.0 64.4

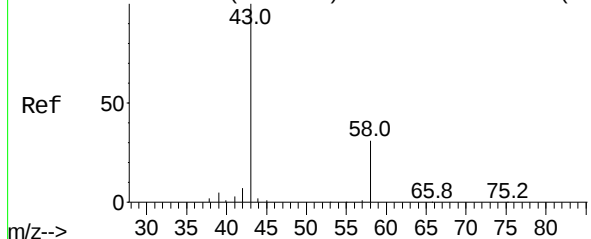
Instrument :  
MSVOA\_N  
ClientSampleId :  
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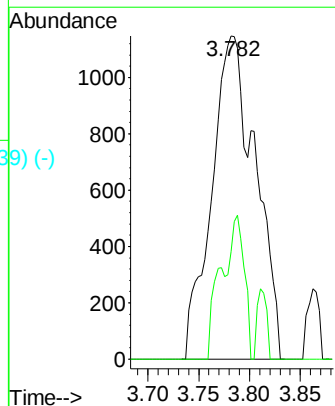
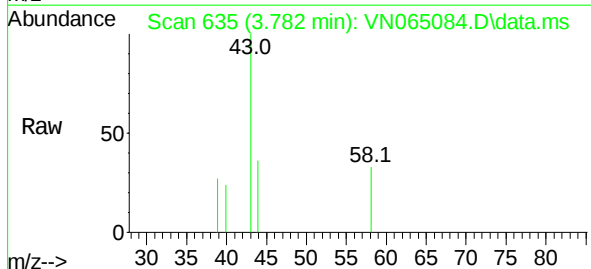


Abundance Scan 632 (3.772 min): VN065073.D\data.ms (-610) (-)

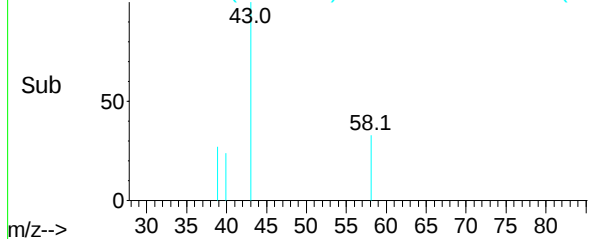


Acetone  
Concen: 13.18 ug/l m  
RT: 3.782 min Scan# 635  
Delta R.T. 0.010 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

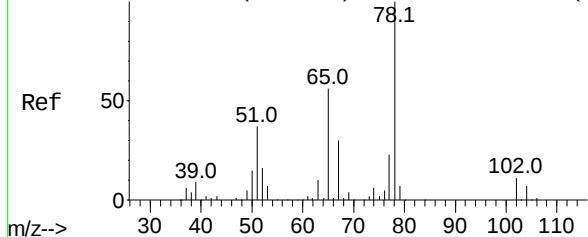
Tgt Ion: 43 Resp: 3451  
Ion Ratio Lower Upper  
43 100  
58 33.3 25.7 38.5



Abundance Scan 635 (3.782 min): VN065084.D\data.ms (-539) (-)



Abundance Scan 1942 (7.984 min): VN065073.D\data.ms (-1924) (-)



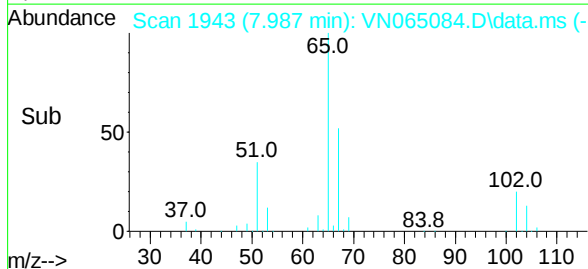
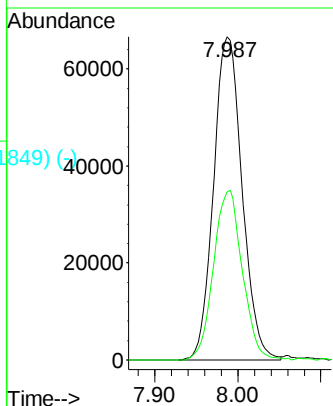
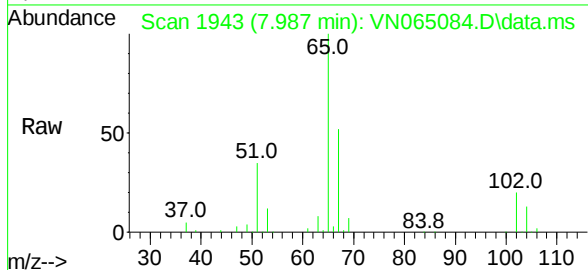
1,2-Dichloroethane-d4  
Concen: 57.48 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.003 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

Tgt Ion: 65 Resp: 159182  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 108.2

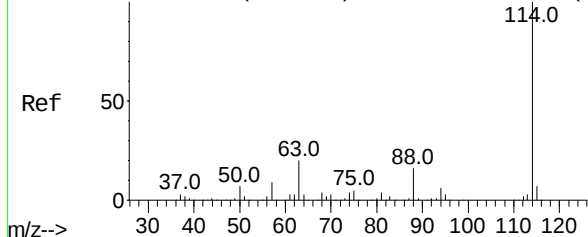
Instrument :  
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ClientSampleId :  
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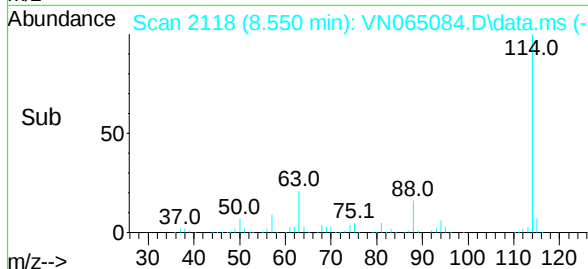
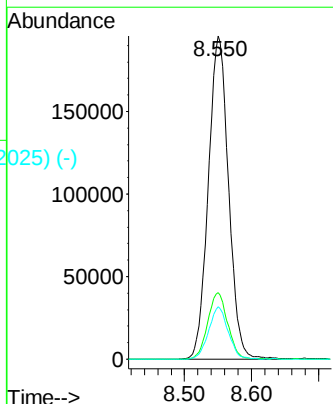
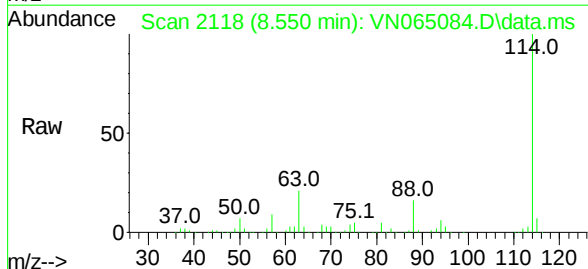


Abundance Scan 2118 (8.550 min): VN065073.D\data.ms (-2104) (-)

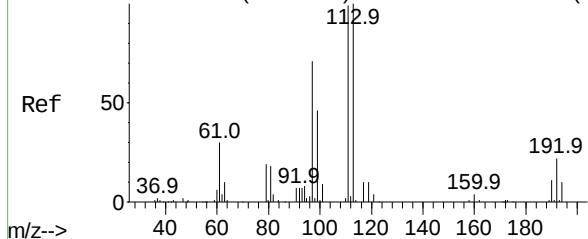


1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

Tgt Ion:114 Resp: 408626  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 38.6  
88 16.2 0.0 32.6



Abundance Scan 1807 (7.550 min): VN065073.D\data.ms (-1765)



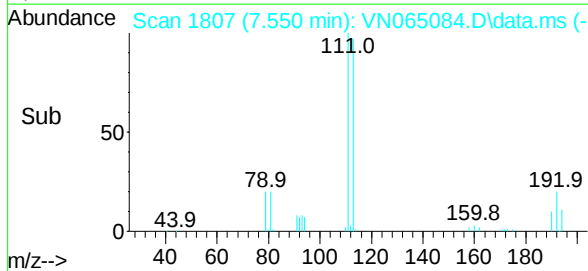
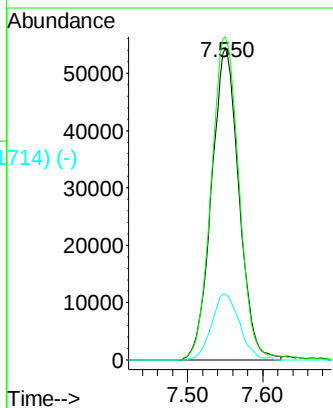
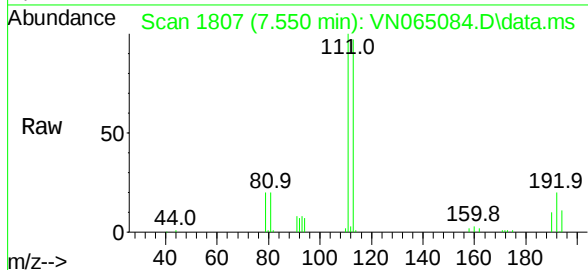
Dibromofluoromethane  
Concen: 49.84 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 137817 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.9 | 81.6  | 122.4  |
| 192      | 21.4  | 16.2  | 24.2   |

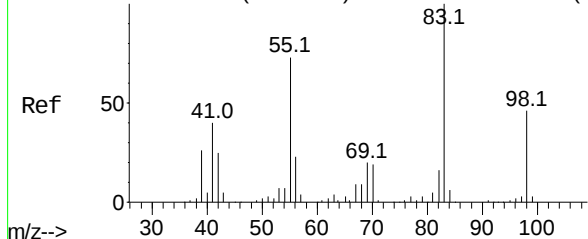
Instrument :  
MSVOA\_N  
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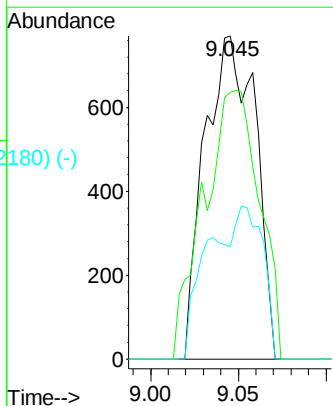
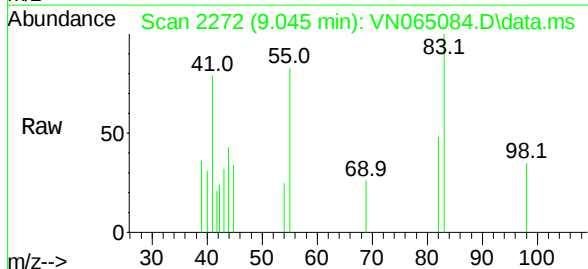


Abundance Scan 2273 (9.048 min): VN065073.D\data.ms (-2259)

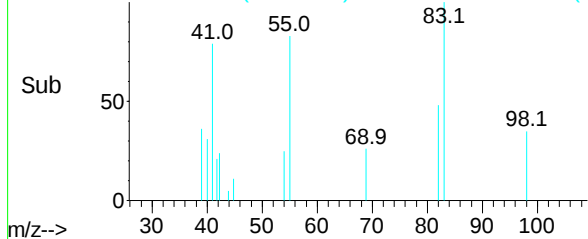


Methylcyclohexane  
Concen: 0.39 ug/l  
RT: 9.045 min Scan# 2272  
Delta R.T. -0.003 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

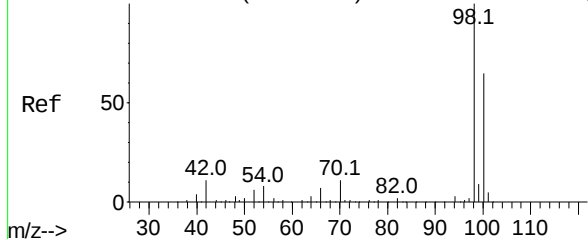
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1545  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 82.6  | 60.2  | 90.2  |
| 98       | 34.9  | 37.4  | 56.2# |



Abundance Scan 2272 (9.045 min): VN065084.D\data.ms (-2180)



Abundance Scan 2587 (10.058 min): VN065073.D\data.ms (-2550) (-)



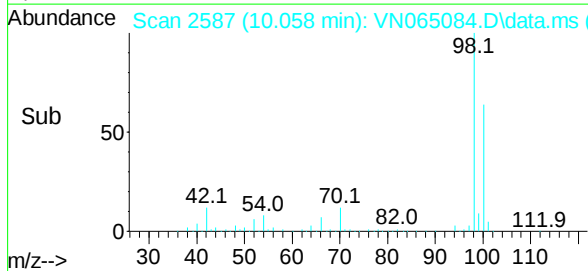
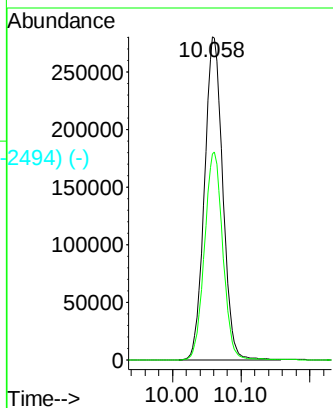
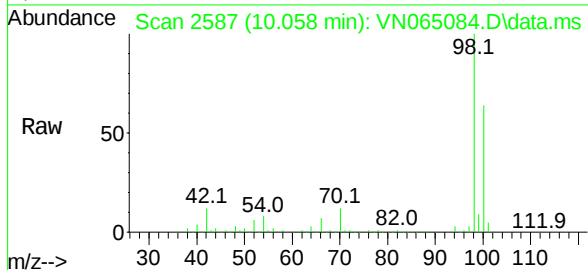
Toluene-d8  
Concen: 51.68 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

Instrument :  
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ClientSampleId :  
JBD-WC-L-SB-02

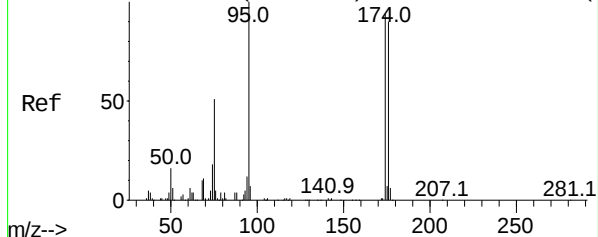
Tgt Ion: 98 Resp: 518619  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.7 77.5

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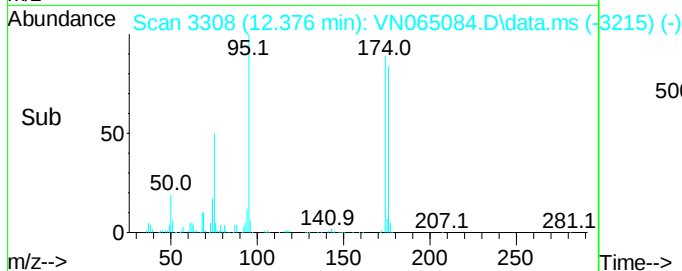
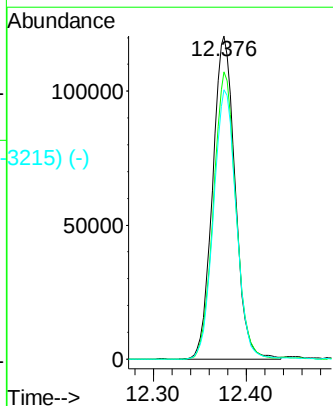
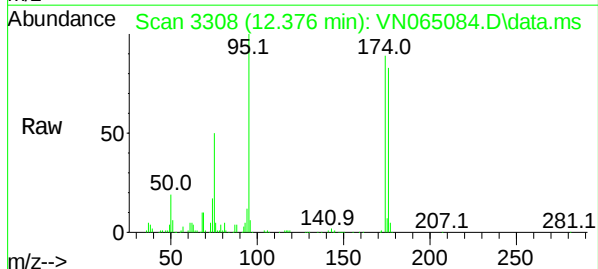


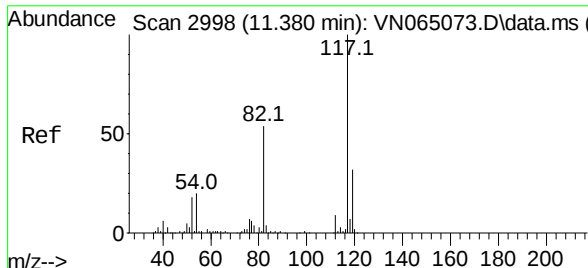
Abundance Scan 3308 (12.376 min): VN065073.D\data.ms (-3262) (-)



4-Bromofluorobenzene  
Concen: 57.46 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

Tgt Ion: 95 Resp: 202480  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 160.4  
176 84.1 0.0 158.4





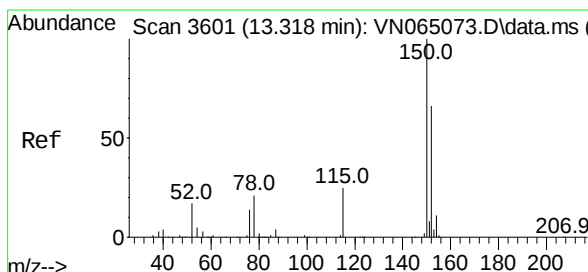
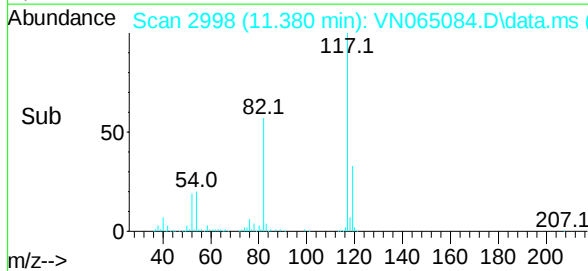
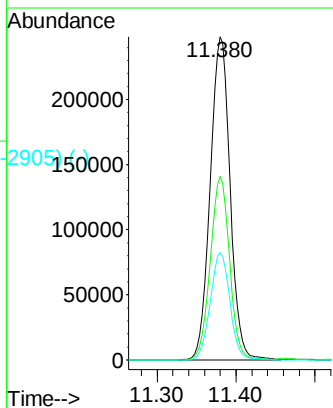
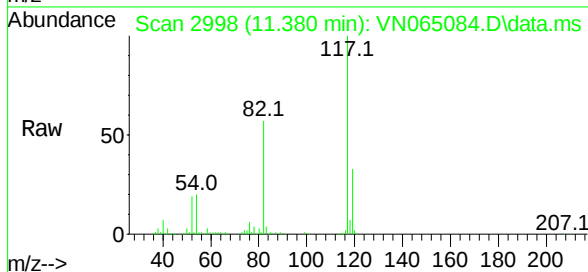
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 435098 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.9  | 44.2  | 66.2   |
| 119      | 33.3  | 25.8  | 38.6   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
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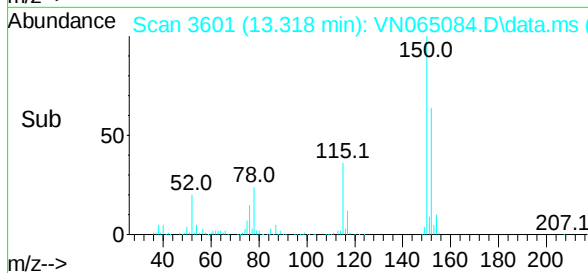
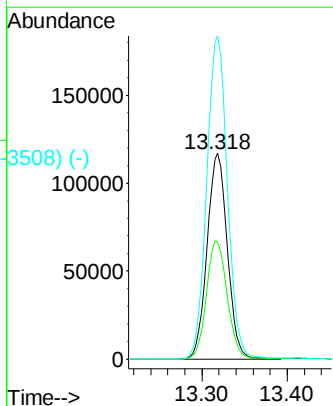
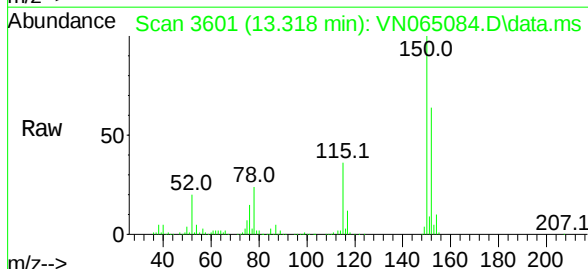
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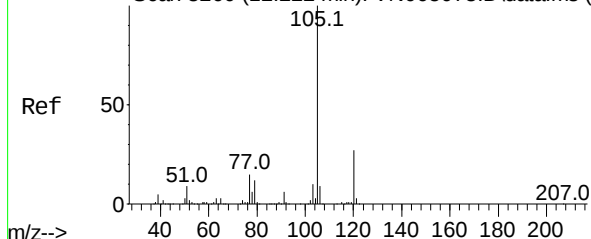
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 193094 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.1  | 29.7  | 89.1   |
| 150      | 160.1 | 0.0   | 350.6  |



Abundance Scan 3260 (12.222 min): VN065073.D\data.ms (-3273) (-)

Isopropylbenzene  
Concen: 2.16 ug/l  
RT: 12.225 min Scan# 3261  
Delta R.T. 0.003 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

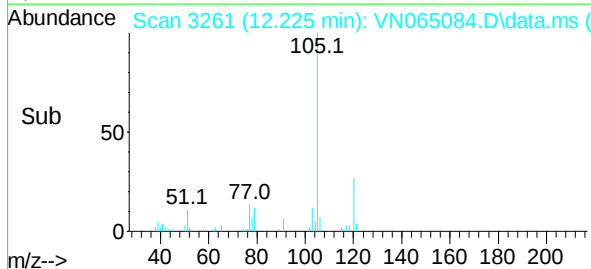
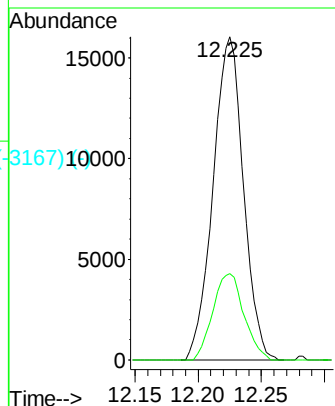
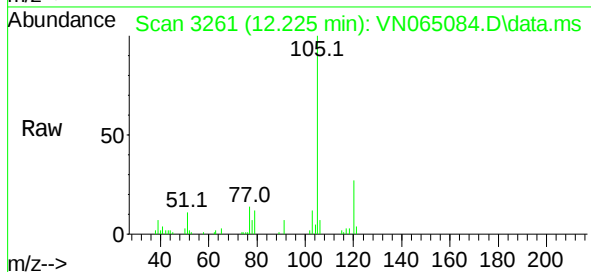


Tgt Ion: 105 Resp: 26797  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.3 39.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
JBD-WC-L-SB-02

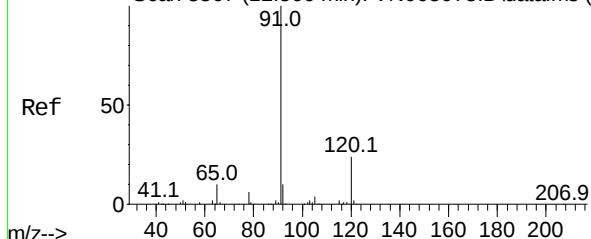
Manual Integrations  
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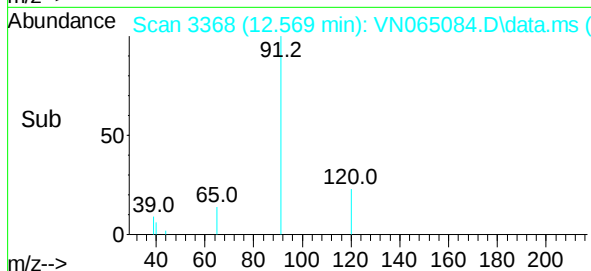
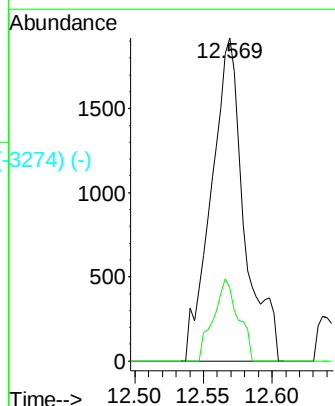
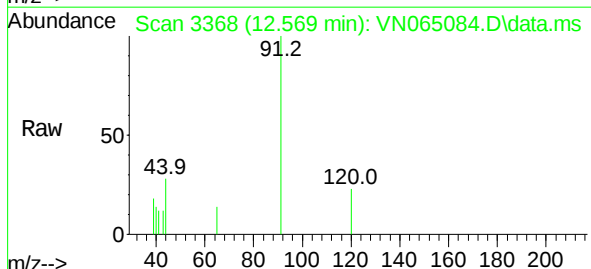


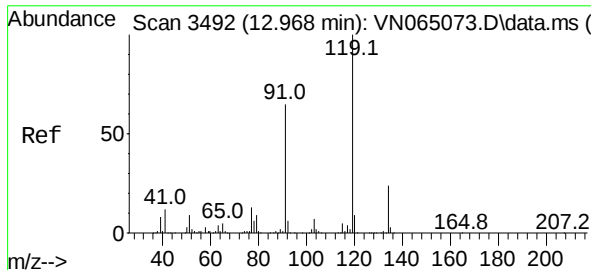
Abundance Scan 3367 (12.566 min): VN065073.D\data.ms (-3378) (-)

n-propylbenzene  
Concen: 0.23 ug/l  
RT: 12.569 min Scan# 3368  
Delta R.T. 0.003 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13



Tgt Ion: 91 Resp: 3202  
Ion Ratio Lower Upper  
91 100  
120 19.1 11.6 34.7





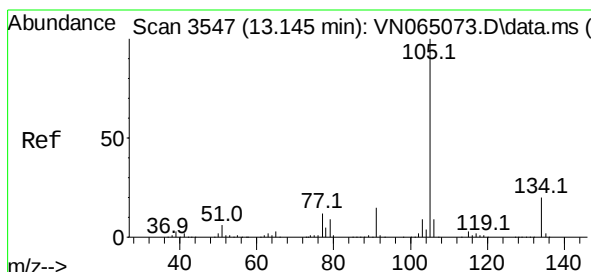
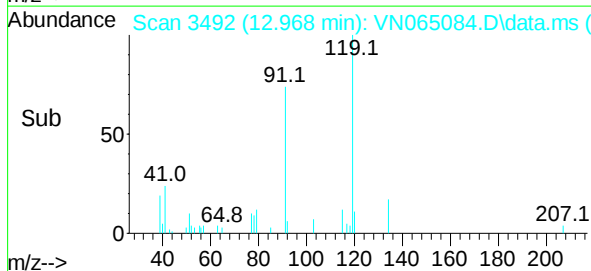
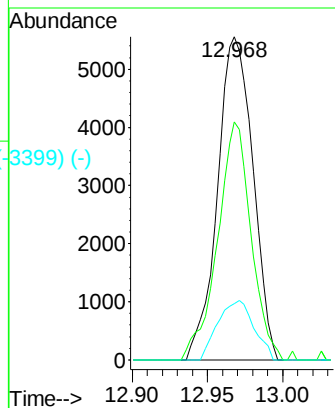
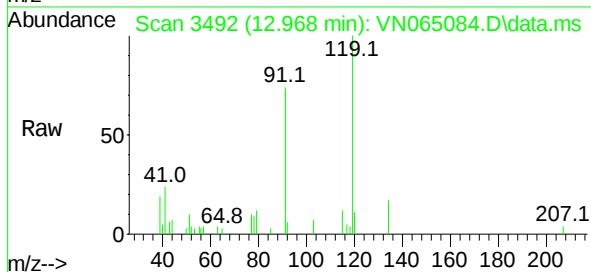
tert-Butylbenzene  
Concen: 1.06 ug/l  
RT: 12.968 min Scan# 3492  
Delta R.T. -0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 9130  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 69.6  | 32.3  | 96.8  |
| 134      | 18.7  | 12.6  | 37.6  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
JBD-WC-L-SB-02

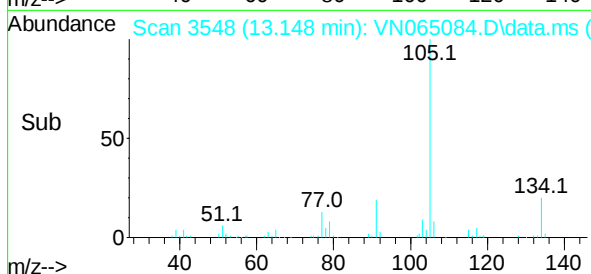
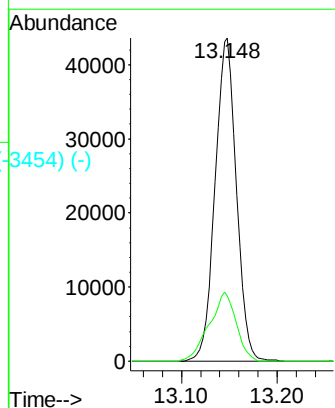
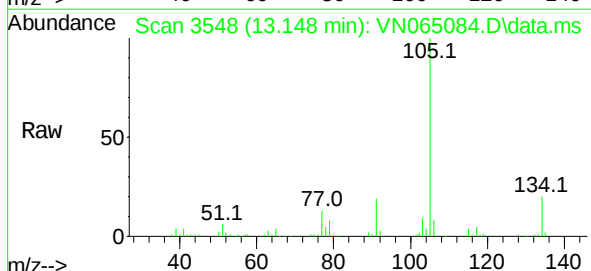
Manual Integrations  
APPROVED

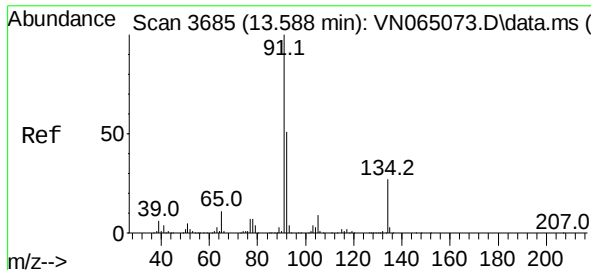
MMDadoda  
12/15/2020 4:48:38 PM



sec-Butylbenzene  
Concen: 6.07 ug/l  
RT: 13.148 min Scan# 3548  
Delta R.T. 0.003 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 67351 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 134      | 26.9  | 10.1  | 30.1  |





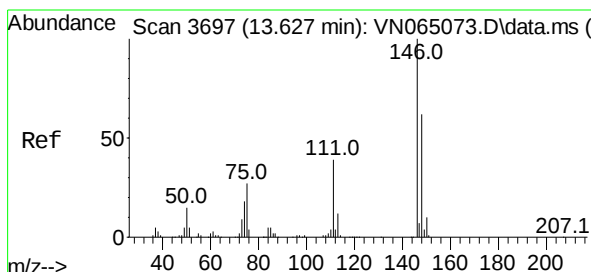
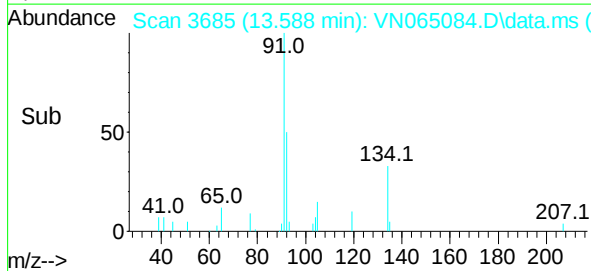
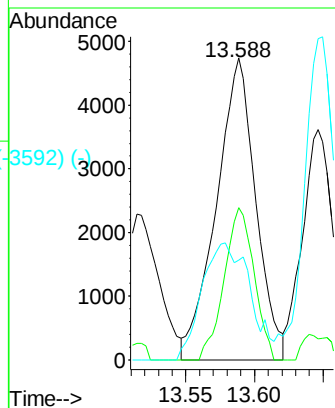
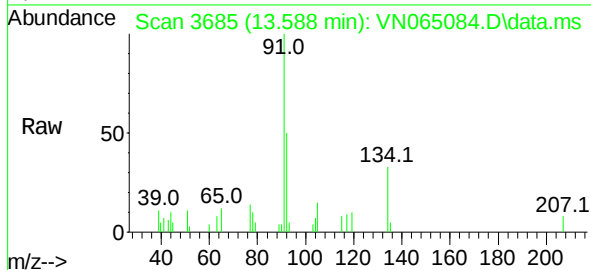
n-Butylbenzene  
Concen: 1.12 ug/l  
RT: 13.588 min Scan# 3685  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 9437  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 38.2  | 26.0  | 78.0  |
| 134      | 47.3  | 12.9  | 38.6# |

Instrument :  
MSVOA\_N  
ClientSampleId :  
JBD-WC-L-SB-02

Manual Integrations  
APPROVED

MMDadoda  
12/15/2020 4:48:38 PM



1,2-Dichlorobenzene  
Concen: 0.43 ug/l  
RT: 13.627 min Scan# 3697  
Delta R.T. 0.000 min  
Lab File: VN065084.D  
Acq: 11 Dec 2020 21:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2611  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 50.2  | 21.1  | 63.1  |
| 148      | 70.9  | 32.0  | 96.2  |

