

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030121\  
 Data File : VN066087.D  
 Acq On : 1 Mar 2021 19:28  
 Operator : JC/MD  
 Sample : M1488-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30779

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:28:19 PM

Quant Time: Mar 01 21:46:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                       |                |      |                    |        |        |          |
| Internal Standards          |                |      |                    |        |        |          |
| 1) Pentafluorobenzene       | 7.627          | 168  | 114896             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.550          | 114  | 183651             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.376         | 117  | 168374             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.315         | 152  | 73365              | 50.00  | ug/l   | 0.00     |
|                             |                |      |                    |        |        |          |
| System Monitoring Compounds |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.987          | 65   | 81551              | 50.76  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 101.52% |        |        |          |
| 35) Dibromofluoromethane    | 7.550          | 113  | 57372              | 50.48  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 100.96% |        |        |          |
| 50) Toluene-d8              | 10.058         | 98   | 227391             | 48.74  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 97.48%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.373         | 95   | 83462              | 47.65  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 95.30%  |        |        |          |
|                             |                |      |                    |        |        |          |
| Target Compounds            |                |      |                    |        | Qvalue |          |
| 16) Acetone                 | 3.788          | 43   | 184220             | 365.73 | ug/l   | 93       |
| 19) Methyl tert-butyl Ether | 4.997          | 73   | 9796               | 2.36   | ug/l   | 93       |
| 22) Diisopropyl ether       | 5.914          | 45   | 5529               | 1.25   | ug/l   | 90       |
| 25) 2-Butanone              | 6.791          | 43   | 28720              | 36.11  | ug/l   | 97       |
| 40) Benzene                 | 8.003          | 78   | 122022             | 21.96  | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone    | 9.949          | 43   | 1860               | 1.17   | ug/l   | 95       |
| 52) Toluene                 | 10.122         | 92   | 411978             | 120.74 | ug/l   | 95       |
| 59) 2-Hexanone              | 10.724         | 43   | 2888m              | 2.56   | ug/l   |          |
| 67) Ethyl Benzene           | 11.482         | 91   | 108893             | 17.09  | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.589         | 106  | 171609             | 72.16  | ug/l   | 97       |
| 69) o-Xylene                | 11.916         | 106  | 110646             | 48.26  | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.219         | 105  | 6911               | 1.15   | ug/l   | 98       |
| 78) n-propylbenzene         | 12.563         | 91   | 23297              | 3.42   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 12.704         | 105  | 49993              | 9.83   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.010         | 105  | 242416             | 47.47  | ug/l   | 100      |
| 85) sec-Butylbenzene        | 13.145         | 105  | 5076m              | 0.93   | ug/l   |          |
| 86) p-Isopropyltoluene      | 13.257         | 119  | 4027               | 0.81   | ug/l   | 90       |
| 95) Naphthalene             | 15.100         | 128  | 132445             | 32.28  | ug/l   | 99       |
| -----                       |                |      |                    |        |        |          |

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

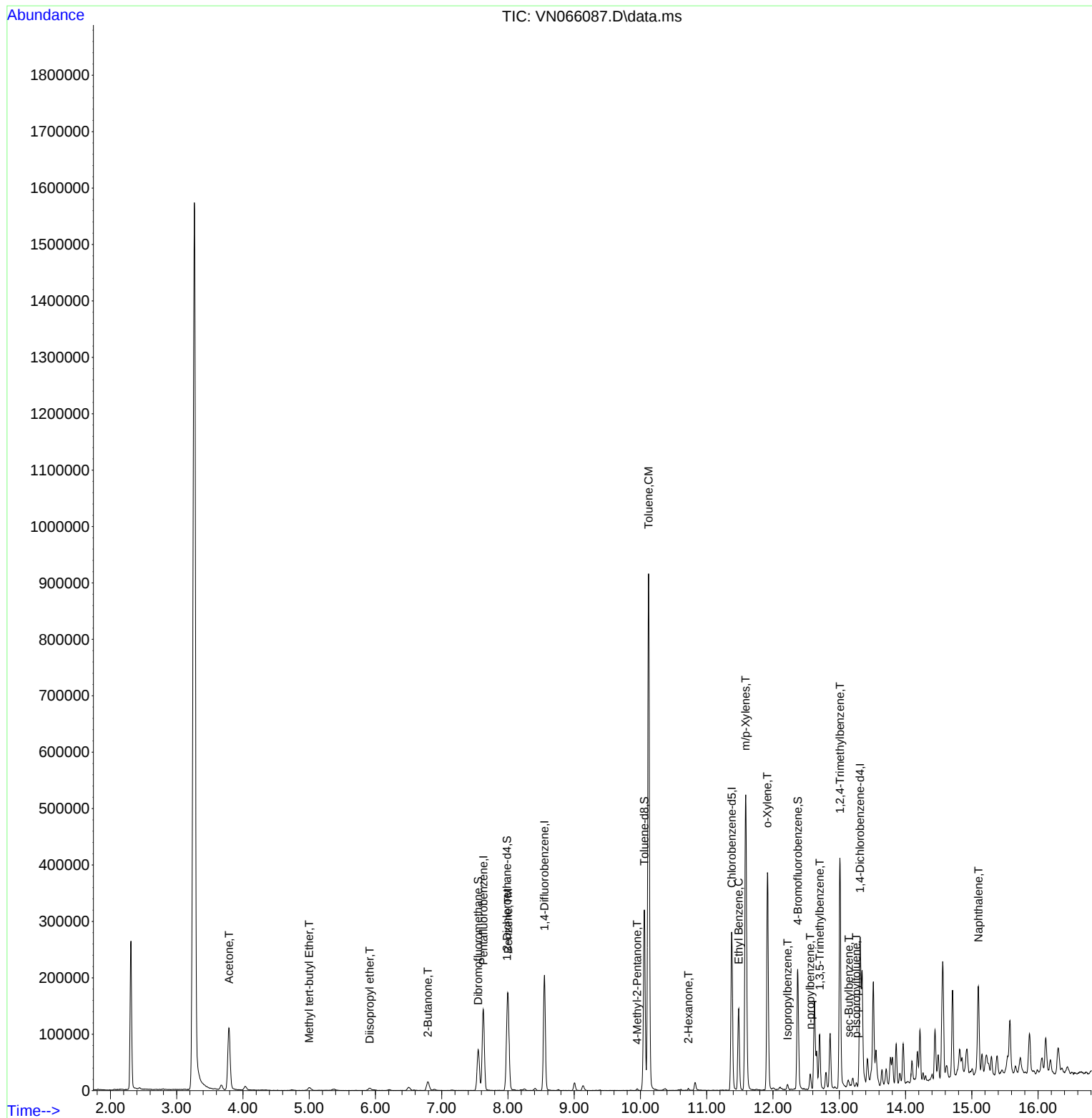
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Data File : VN066087.D  
Acq On : 1 Mar 2021 19:28  
Operator : JC/MD  
Sample : M1488-07  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

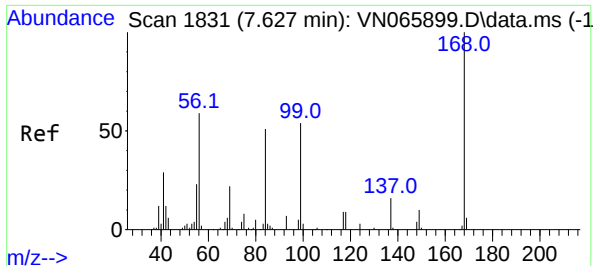
Instrument :  
MSVOA\_N  
ClientSampleId :  
30779

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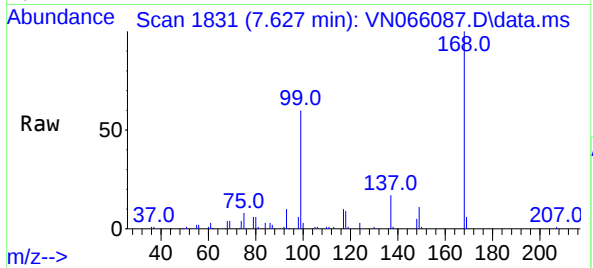
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3/2/2021 3:28:19 PM

Quant Time: Mar 01 21:46:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration

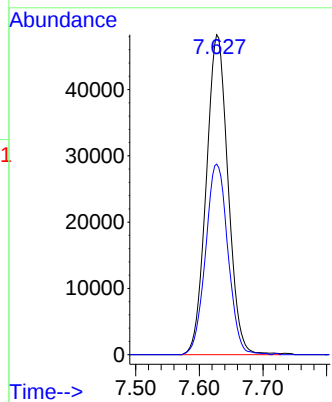
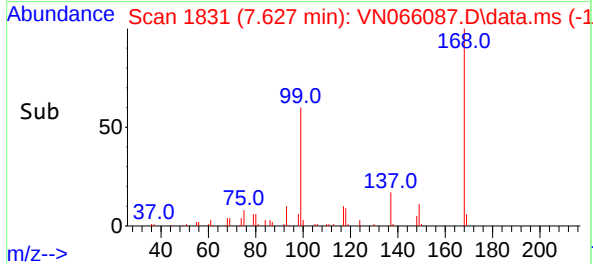




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28



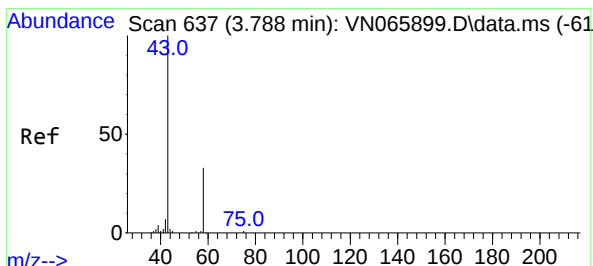
Tgt Ion:168 Resp: 114896  
Ion Ratio Lower Upper  
168 100  
99 59.5 42.6 63.8



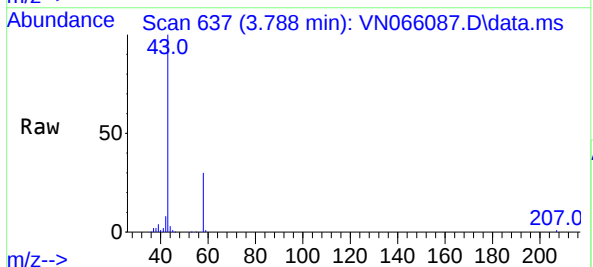
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MSVOA\_N  
ClientSampleId :  
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Manual Integrations  
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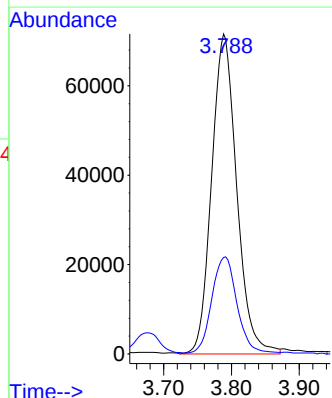
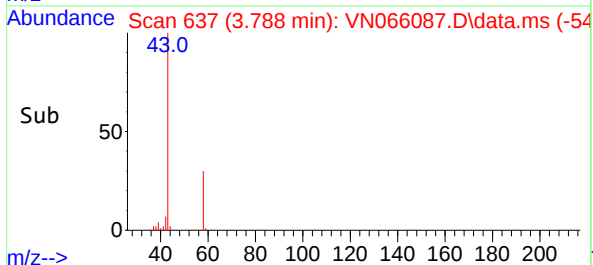
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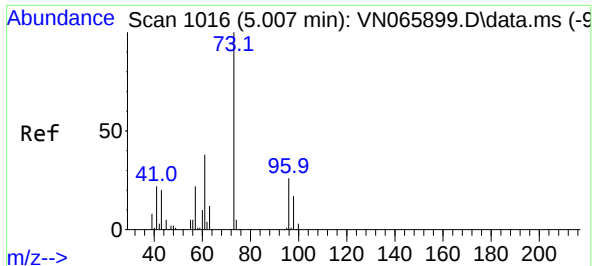


#16  
Acetone  
Concen: 365.73 ug/l  
RT: 3.788 min Scan# 637  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28



Tgt Ion: 43 Resp: 184220  
Ion Ratio Lower Upper  
43 100  
58 29.7 27.0 40.6





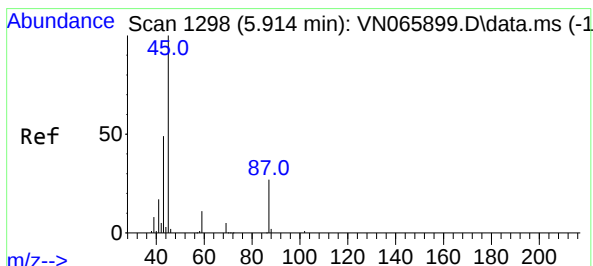
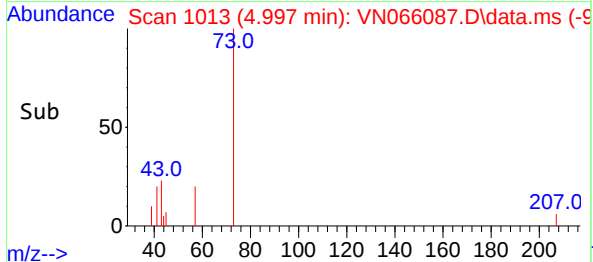
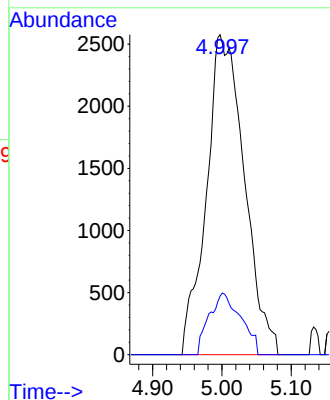
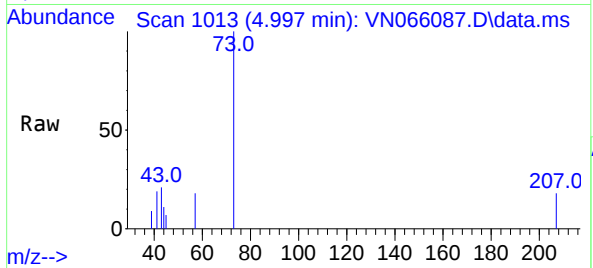
#19  
Methyl tert-butyl Ether  
Concen: 2.36 ug/l  
RT: 4.997 min Scan# 1013  
Delta R.T. -0.010 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 73 Resp: 9796  
Ion Ratio Lower Upper  
73 100  
57 18.3 17.3 25.9

Instrument :  
MSVOA\_N  
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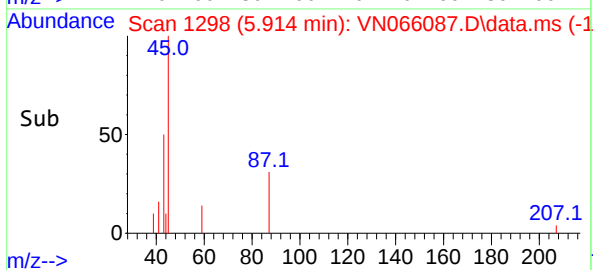
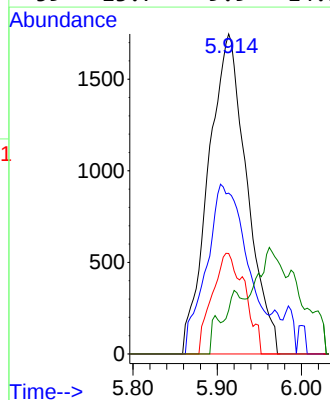
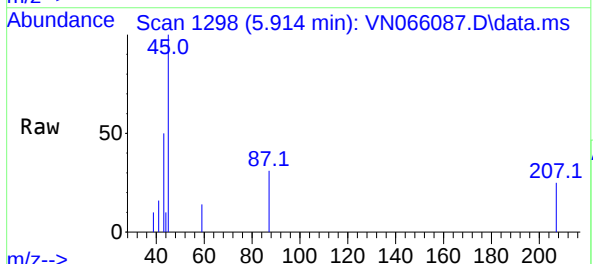
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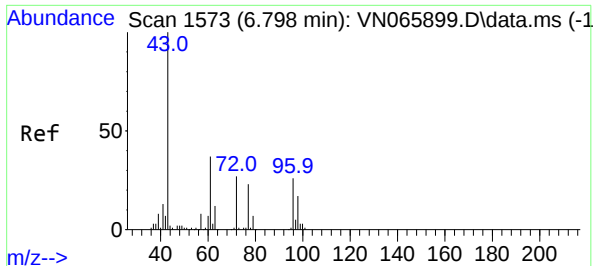
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#22  
Diisopropyl ether  
Concen: 1.25 ug/l  
RT: 5.914 min Scan# 1298  
Delta R.T. -0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 45 Resp: 5529  
Ion Ratio Lower Upper  
45 100  
43 50.3 48.9 73.3  
87 31.4 23.7 35.5  
59 13.7 9.9 14.9





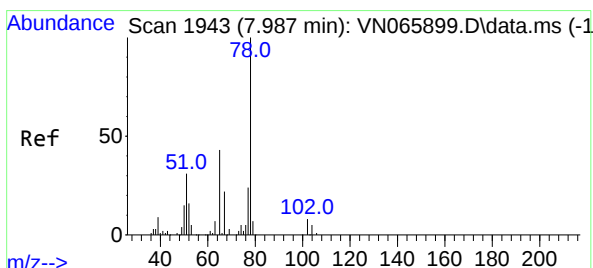
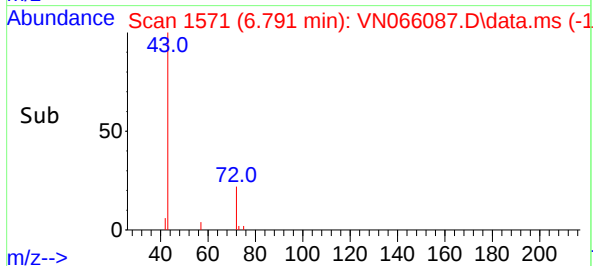
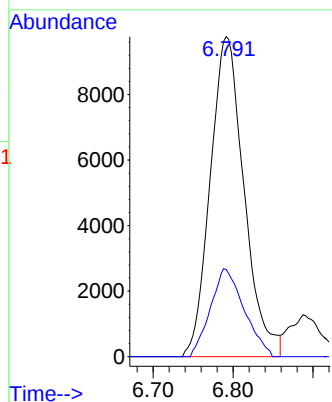
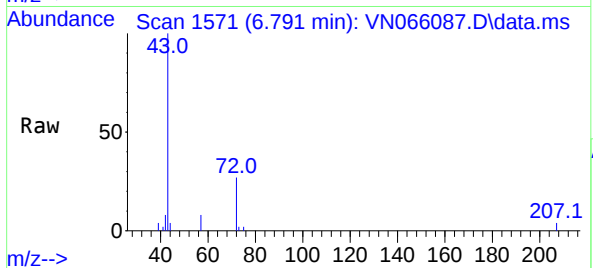
#25  
2-Butanone  
Concen: 36.11 ug/l  
RT: 6.791 min Scan# 1571  
Delta R.T. -0.007 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 43 Resp: 28720  
Ion Ratio Lower Upper  
43 100  
72 27.3 23.1 34.7

Instrument :  
MSVOA\_N  
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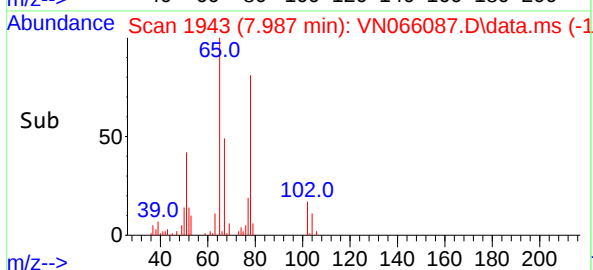
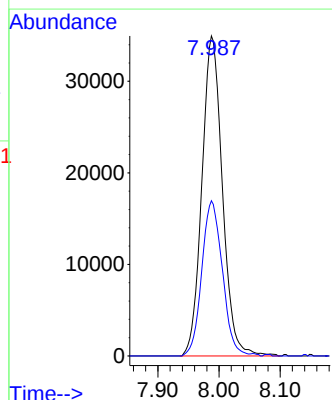
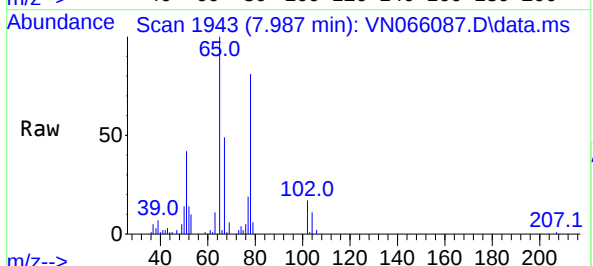
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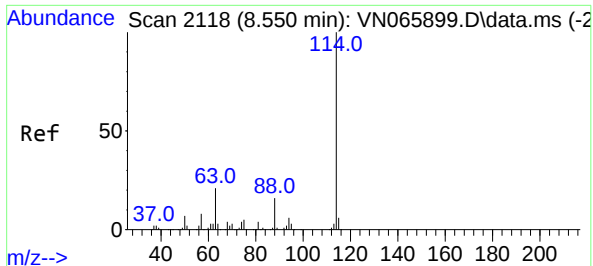
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#33  
1,2-Dichloroethane-d4  
Concen: 50.76 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 65 Resp: 81551  
Ion Ratio Lower Upper  
65 100  
67 48.5 0.0 107.2





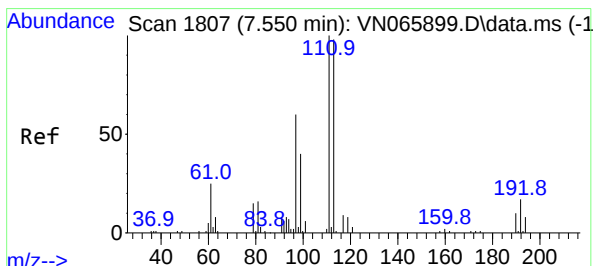
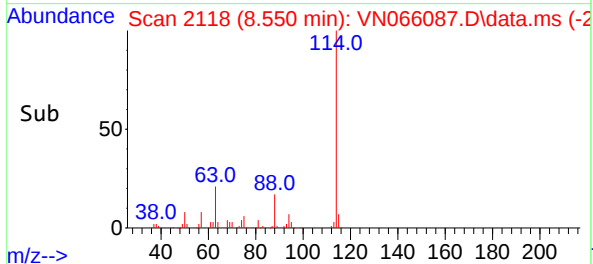
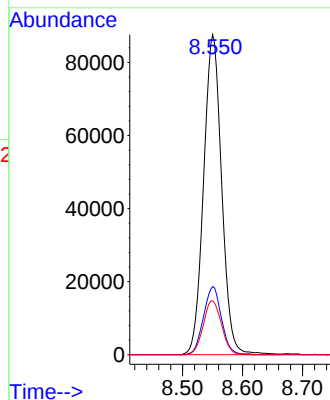
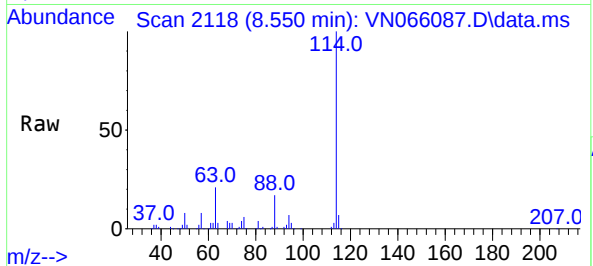
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion:114 Resp: 183651  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 38.6  
88 16.8 0.0 30.6

Instrument :  
MSVOA\_N  
ClientSampled :  
30779

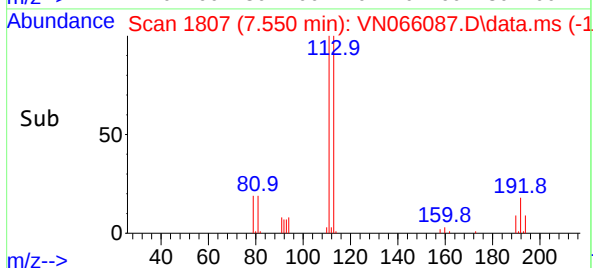
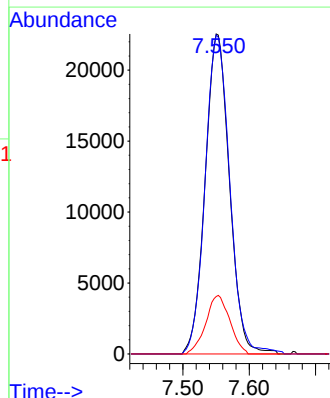
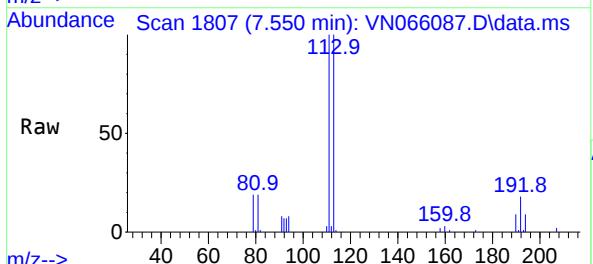
Manual Integrations  
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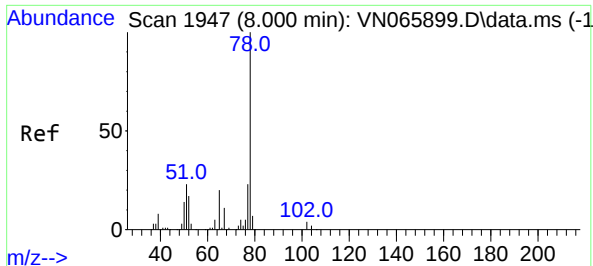
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#35  
Dibromofluoromethane  
Concen: 50.48 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion:113 Resp: 57372  
Ion Ratio Lower Upper  
113 100  
111 100.9 82.2 123.2  
192 18.1 15.4 23.0





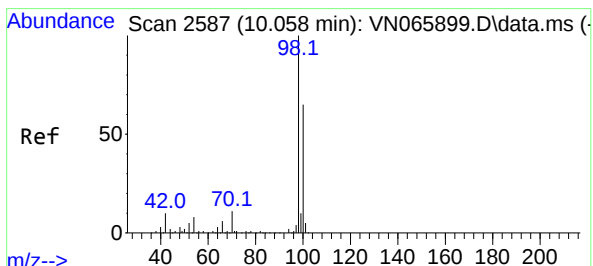
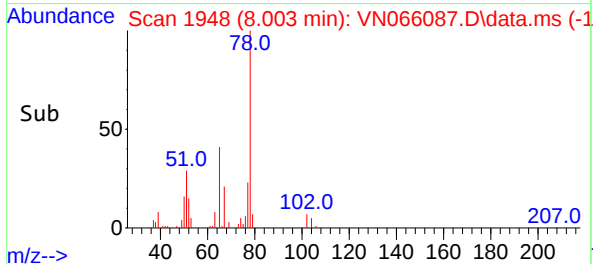
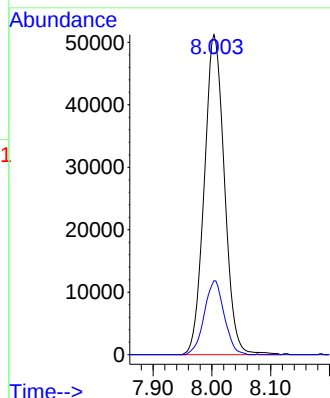
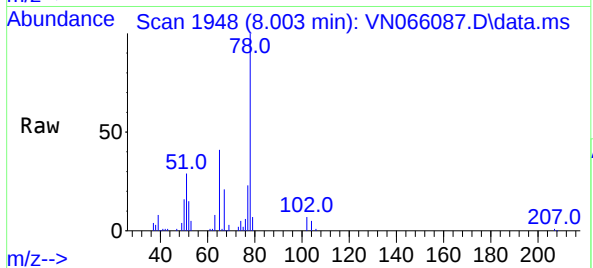
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Benzene  
Concen: 21.96 ug/l  
RT: 8.003 min Scan# 1948  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 78 Resp: 122022  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.0 28.4

Instrument :  
MSVOA\_N  
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30779

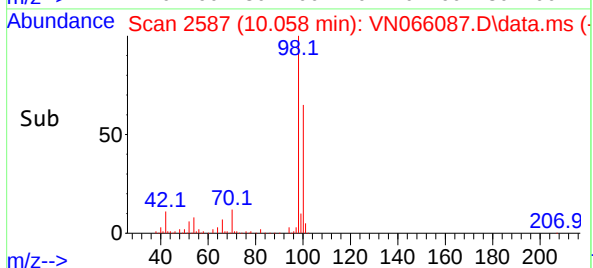
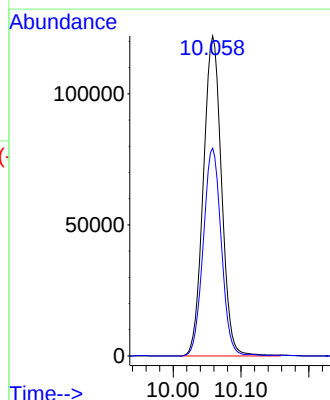
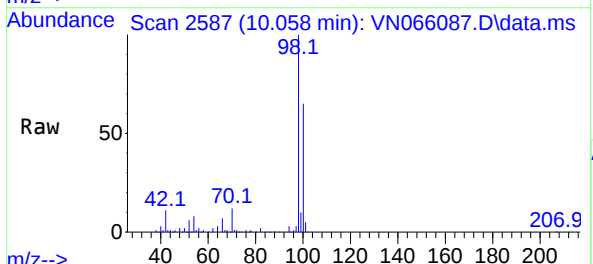
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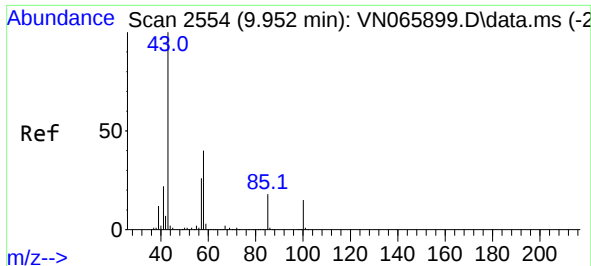
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3/2/2021 3:28:19 PM



#50  
Toluene-d8  
Concen: 48.74 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 98 Resp: 227391  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.5 75.7





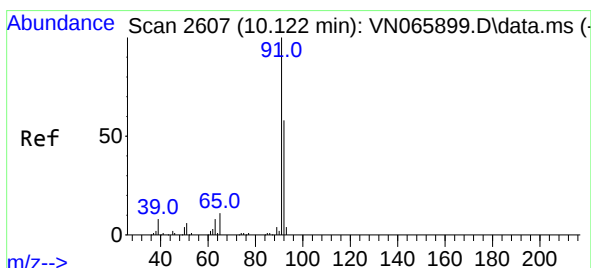
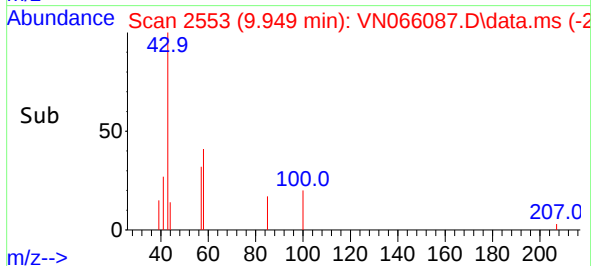
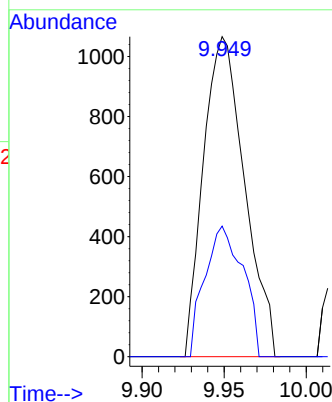
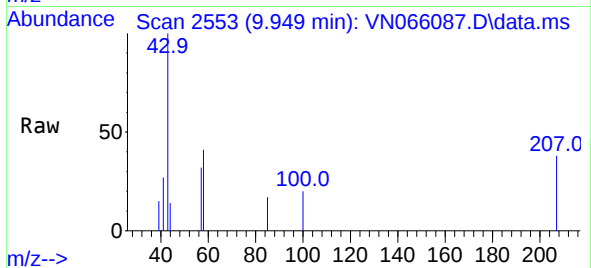
#51  
4-Methyl-2-Pentanone  
Concen: 1.17 ug/l  
RT: 9.949 min Scan# 2553  
Delta R.T. -0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 43 Resp: 1860  
Ion Ratio Lower Upper  
43 100  
58 37.8 32.5 48.7

Instrument :  
MSVOA\_N  
ClientSampled :  
30779

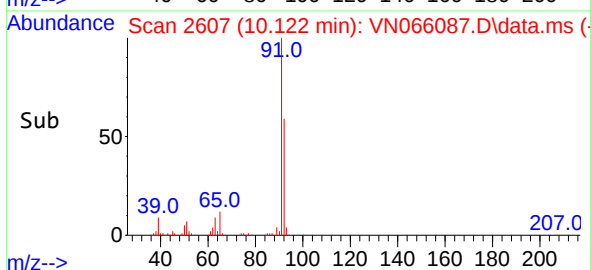
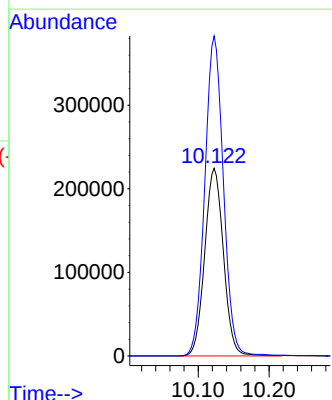
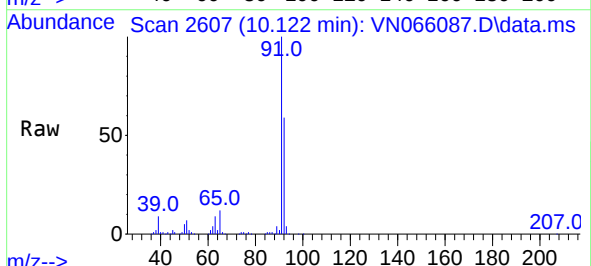
Manual Integrations  
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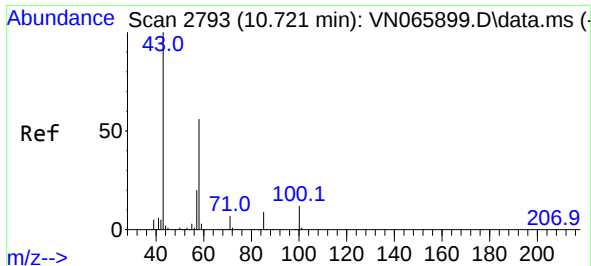
MMDadoda  
3/2/2021 3:28:19 PM



#52  
Toluene  
Concen: 120.74 ug/l  
RT: 10.122 min Scan# 2607  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

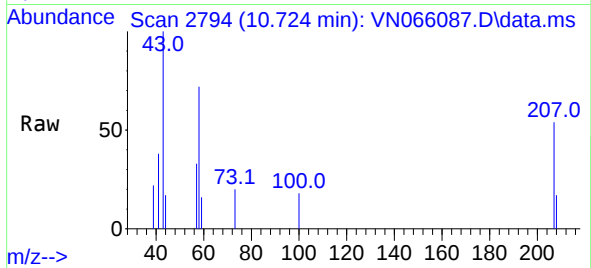
Tgt Ion: 92 Resp: 411978  
Ion Ratio Lower Upper  
92 100  
91 169.5 140.7 211.1





#59  
2-Hexanone  
Concen: 2.56 ug/l m  
RT: 10.724 min Scan# 2794  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

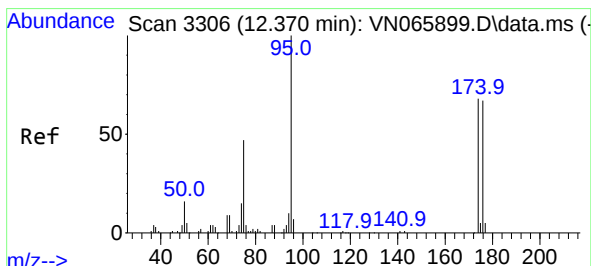
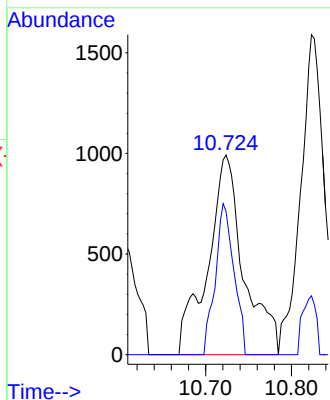
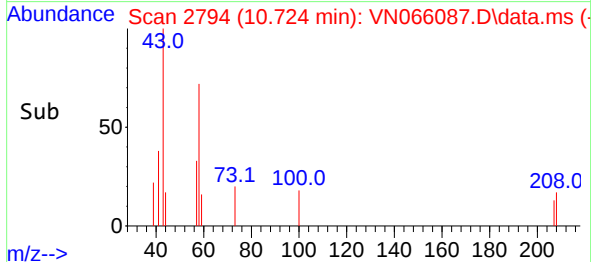
Instrument :  
MSVOA\_N  
ClientSampled :  
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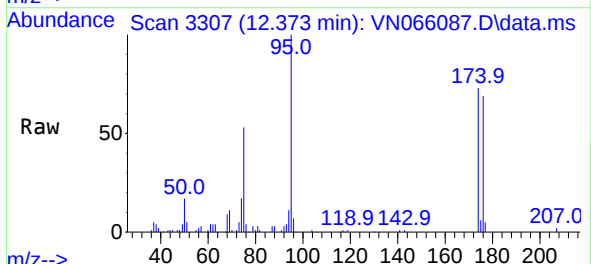
Tgt Ion: 43 Resp: 2888  
Ion Ratio Lower Upper  
43 100  
58 39.0 28.1 84.3

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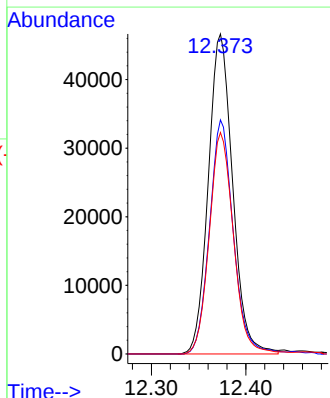
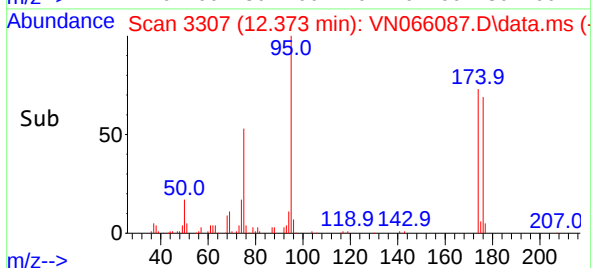
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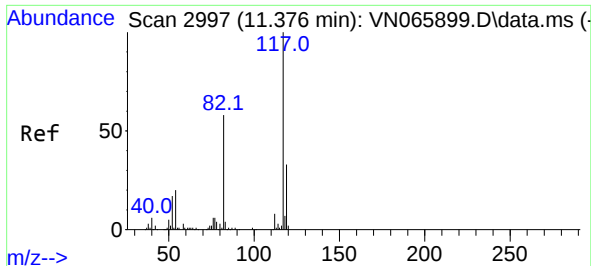


#62  
4-Bromofluorobenzene  
Concen: 47.65 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
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Tgt Ion: 95 Resp: 83462  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 169.0  
176 68.7 0.0 162.4





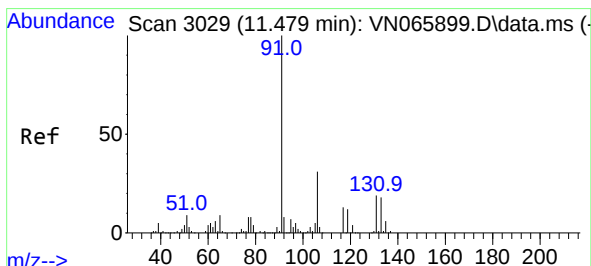
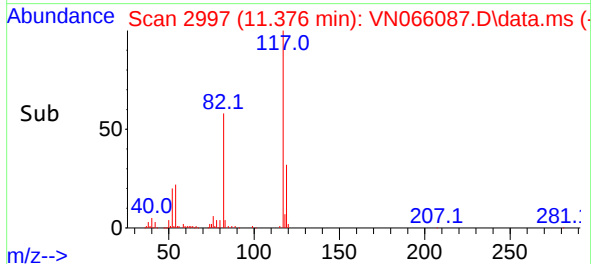
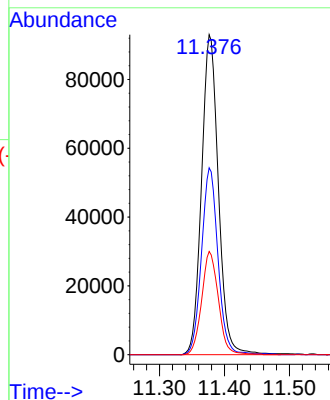
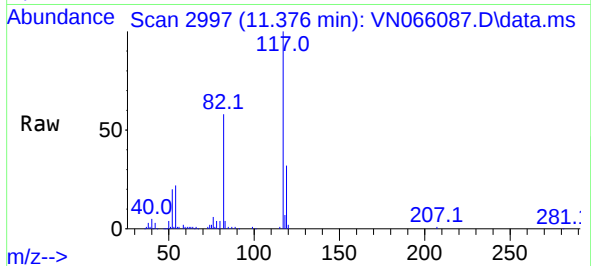
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 117 Resp: 168374  
Ion Ratio Lower Upper  
117 100  
82 58.4 43.7 65.5  
119 32.2 26.1 39.1

Instrument :  
MSVOA\_N  
ClientSampled :  
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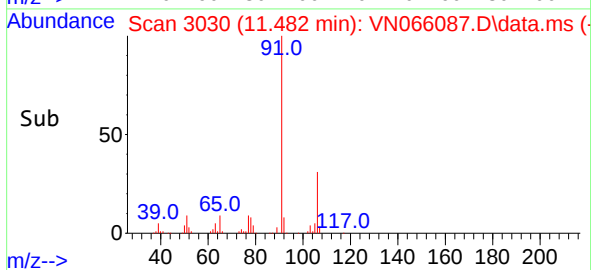
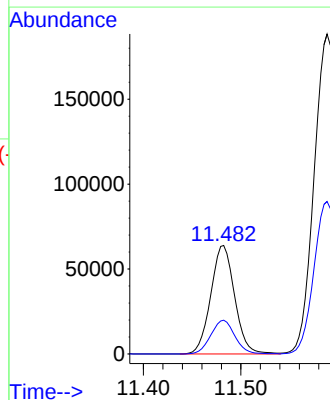
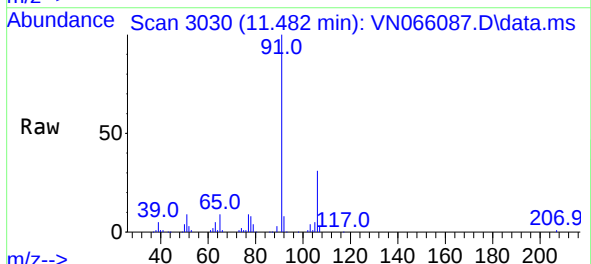
Manual Integrations  
APPROVED

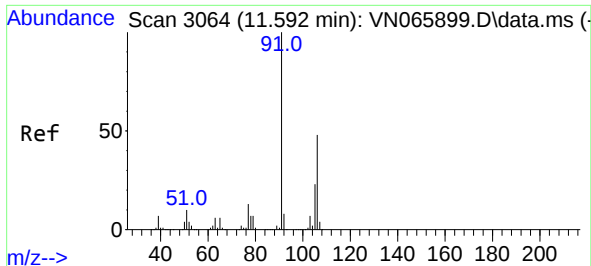
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#67  
Ethyl Benzene  
Concen: 17.09 ug/l  
RT: 11.482 min Scan# 3030  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 91 Resp: 108893  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.5 38.3





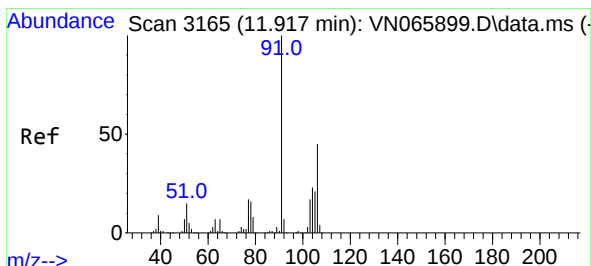
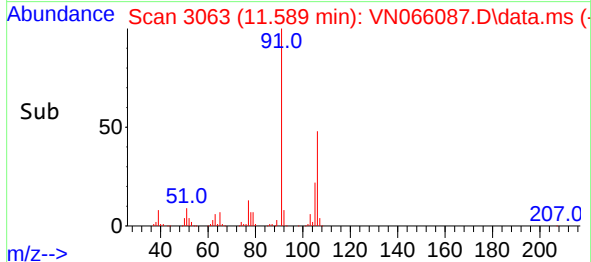
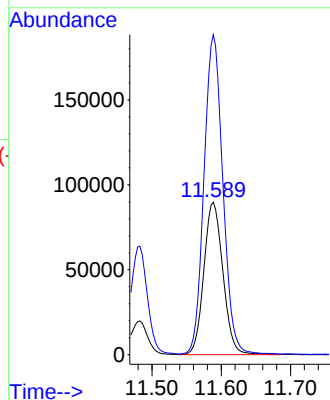
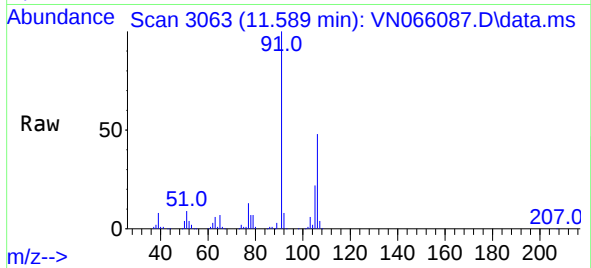
#68  
m/p-Xylenes  
Concen: 72.16 ug/l  
RT: 11.589 min Scan# 3063  
Delta R.T. -0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion:106 Resp: 171609  
Ion Ratio Lower Upper  
106 100  
91 206.7 161.4 242.0

Instrument :  
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30779

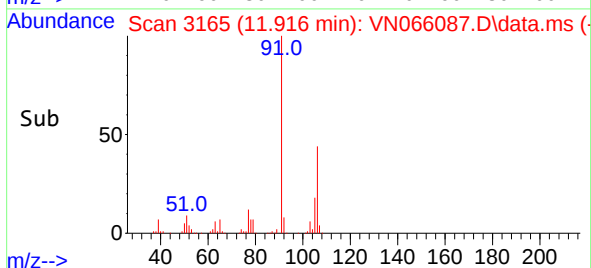
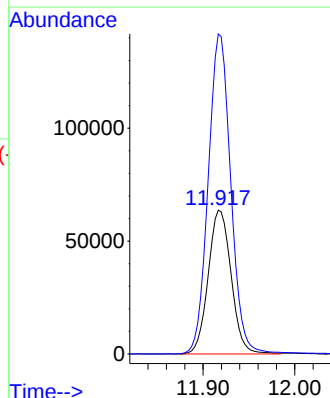
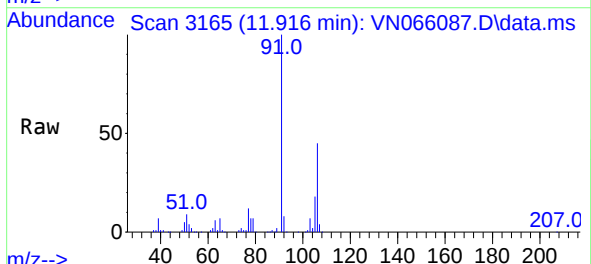
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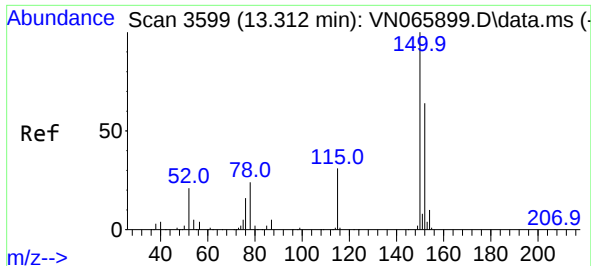
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#69  
o-Xylene  
Concen: 48.26 ug/l  
RT: 11.916 min Scan# 3165  
Delta R.T. -0.001 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

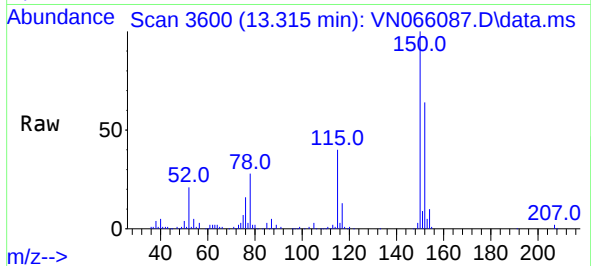
Tgt Ion:106 Resp: 110646  
Ion Ratio Lower Upper  
106 100  
91 219.8 106.8 320.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

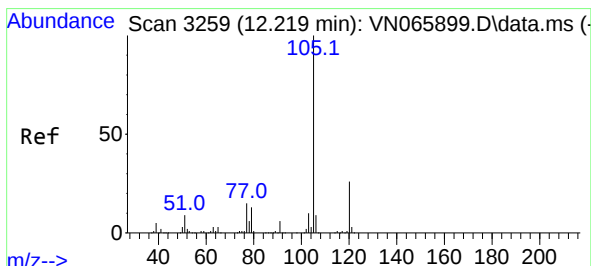
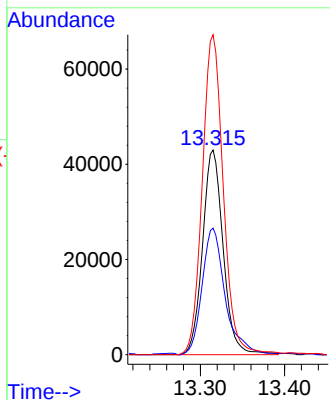
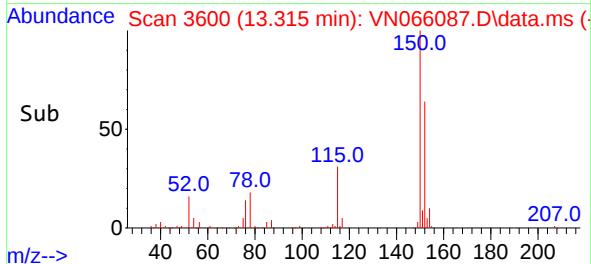
Instrument :  
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ClientSampled :  
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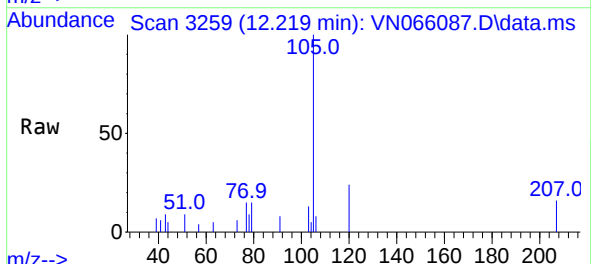
Tgt Ion:152 Resp: 73365  
Ion Ratio Lower Upper  
152 100  
115 69.0 28.5 85.6  
150 159.3 0.0 347.6

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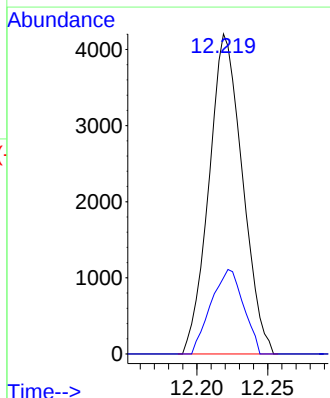
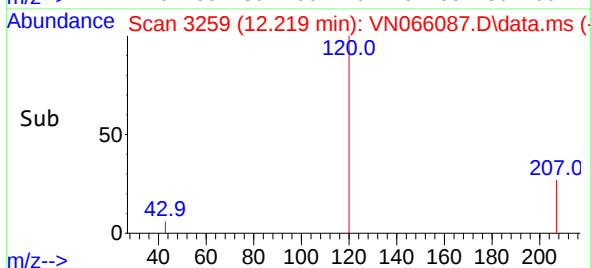
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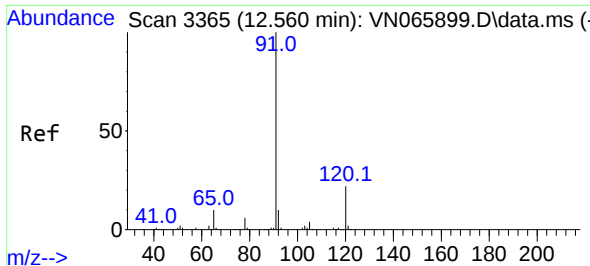


#73  
Isopropylbenzene  
Concen: 1.15 ug/l  
RT: 12.219 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28



Tgt Ion:105 Resp: 6911  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.3 39.9





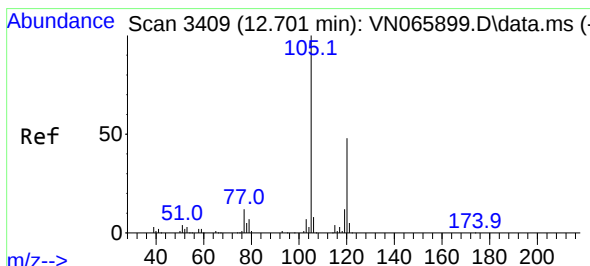
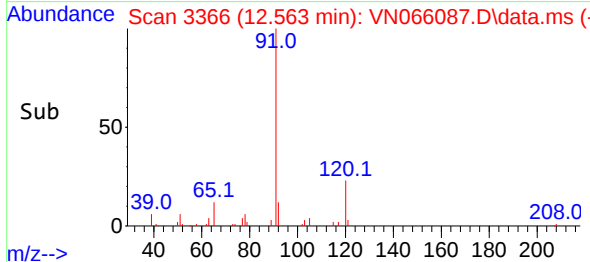
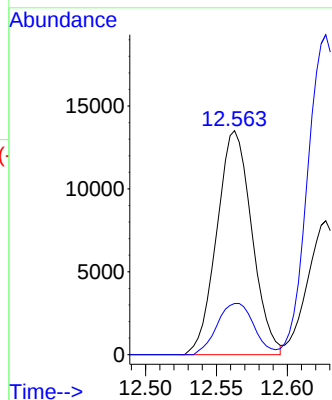
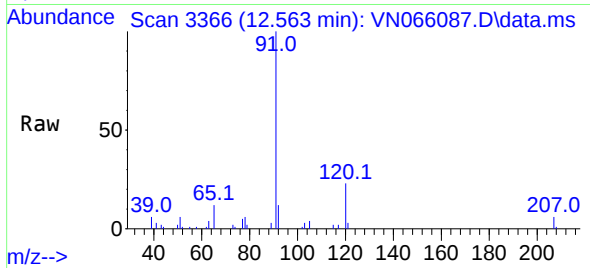
#78  
n-propylbenzene  
Concen: 3.42 ug/l  
RT: 12.563 min Scan# 3366  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion: 91 Resp: 23297  
Ion Ratio Lower Upper  
91 100  
120 24.0 11.8 35.3

Instrument :  
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30779

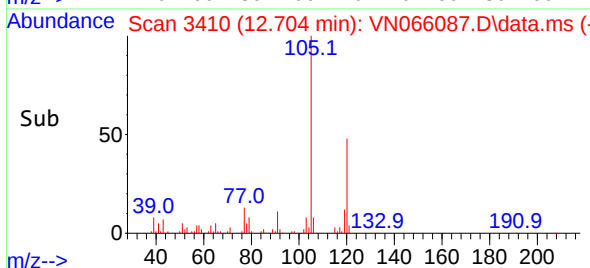
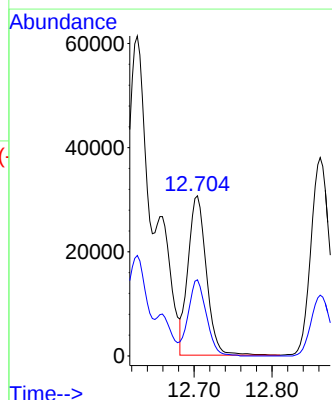
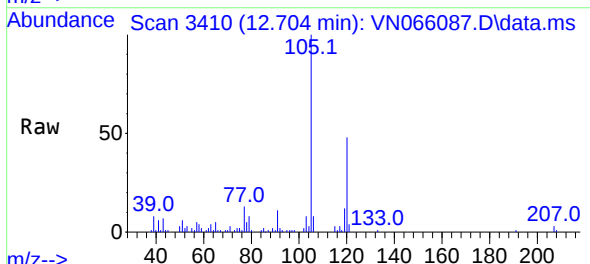
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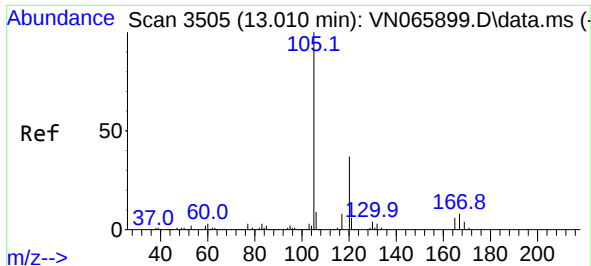
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#80  
1,3,5-Trimethylbenzene  
Concen: 9.83 ug/l  
RT: 12.704 min Scan# 3410  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion:105 Resp: 49993  
Ion Ratio Lower Upper  
105 100  
120 48.1 24.3 72.8





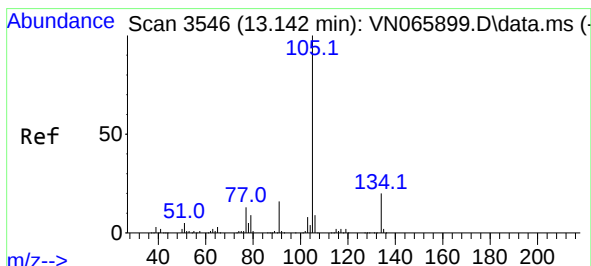
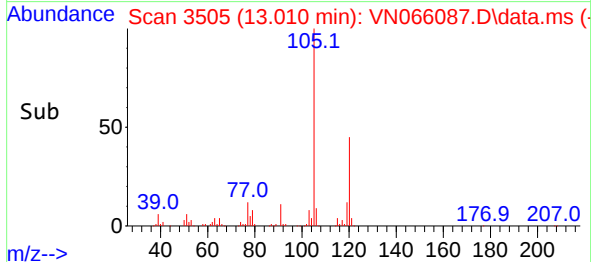
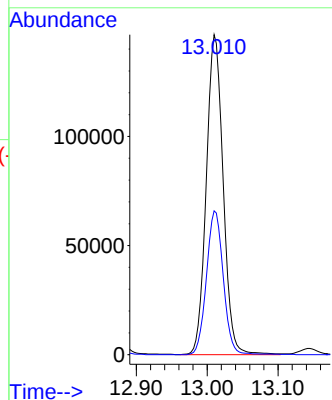
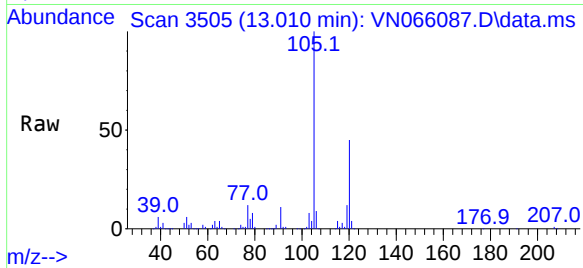
#84  
1,2,4-Trimethylbenzene  
Concen: 47.47 ug/l  
RT: 13.010 min Scan# 3505  
Delta R.T. -0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion:105 Resp: 242416  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.4 67.0

Instrument :  
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30779

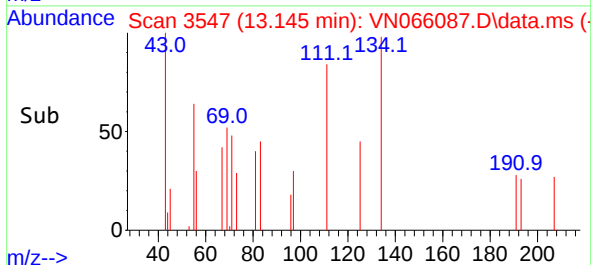
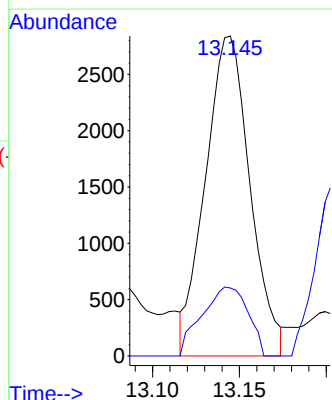
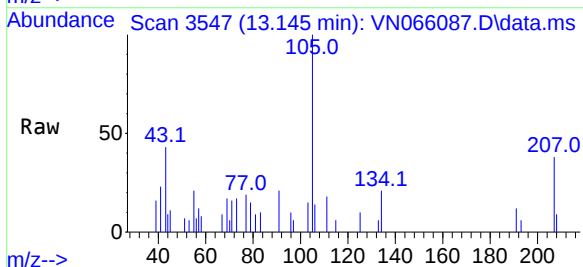
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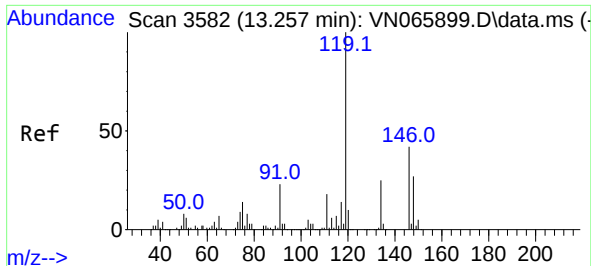
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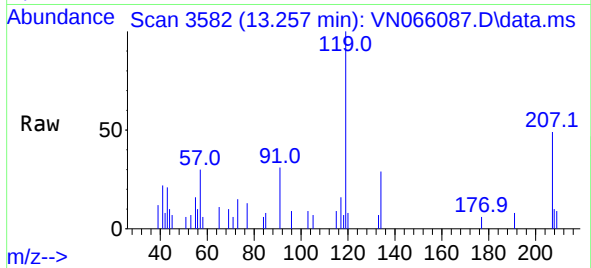
#85  
sec-Butylbenzene  
Concen: 0.93 ug/l m  
RT: 13.145 min Scan# 3547  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28

Tgt Ion:105 Resp: 5076  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.0 30.0#

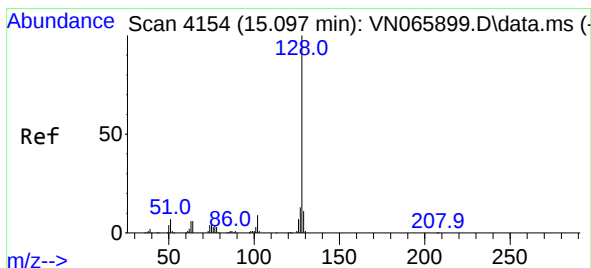
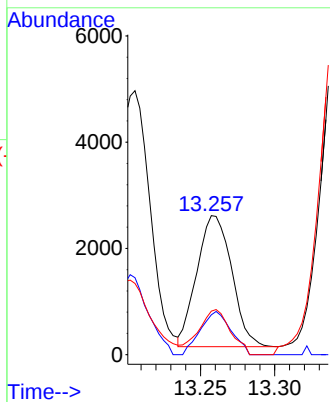
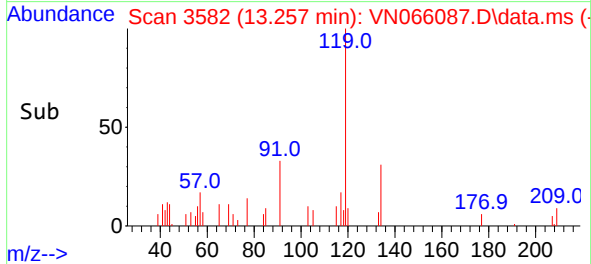




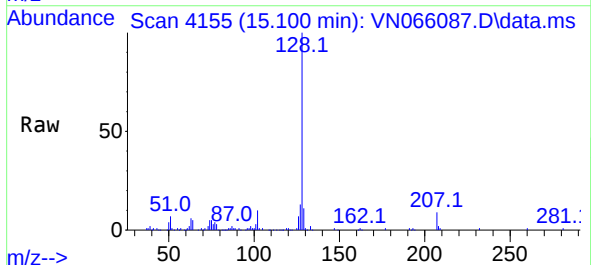
#86  
p-Isopropyltoluene  
Concen: 0.81 ug/l  
RT: 13.257 min Scan# 3582  
Delta R.T. 0.000 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28



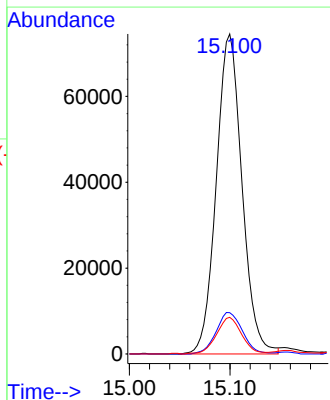
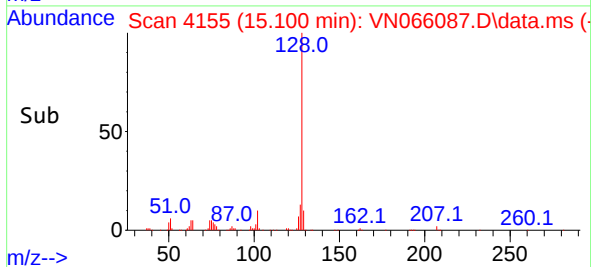
Tgt Ion:119 Resp: 4027  
Ion Ratio Lower Upper  
119 100  
134 29.0 13.3 39.8  
91 31.7 11.8 35.3



#95  
Naphthalene  
Concen: 32.28 ug/l  
RT: 15.100 min Scan# 4155  
Delta R.T. 0.003 min  
Lab File: VN066087.D  
Acq: 1 Mar 2021 19:28



Tgt Ion:128 Resp: 132445  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.2 15.2  
129 11.2 8.6 13.0



Instrument :  
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