

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062321\  
 Data File : VN067460.D  
 Acq On : 23 Jun 2021 16:27  
 Operator : JC/MD  
 Sample : M2784-02 10X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE137-20210618

Manual Integrations  
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 6/24/2021 4:59:00 PM

Quant Time: Jun 24 05:03:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 15 05:19:42 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                        |                |      |                    |       |        |          |
| Internal Standards           |                |      |                    |       |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 276618             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 579466             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.749         | 117  | 513573             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.677         | 152  | 168539             | 50.00 | ug/l   | 0.00     |
|                              |                |      |                    |       |        |          |
| System Monitoring Compounds  |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 280294             | 51.36 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 102.72% |       |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 189260             | 49.11 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 98.22%  |       |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 827894             | 56.05 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 112.10% |       |        |          |
| 62) 4-Bromofluorobenzene     | 12.733         | 95   | 274764             | 45.07 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 90.14%  |       |        |          |
|                              |                |      |                    |       |        |          |
| Target Compounds             |                |      |                    |       |        |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.199          | 101  | 3249m              | 0.95  | ug/l   | Qvalue   |
| 20) Methylene Chloride       | 5.095          | 84   | 2469               | 0.57  | ug/l # | 78       |
| 27) cis-1,2-Dichloroethene   | 7.329          | 96   | 2437m              | 0.56  | ug/l   |          |
| 44) Trichloroethene          | 9.217          | 130  | 395307             | 93.23 | ug/l   | 95       |
| 52) Toluene                  | 10.505         | 92   | 5199               | 0.46  | ug/l   | 91       |
| 59) 2-Hexanone               | 11.092         | 43   | 5029               | 0.97  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene   | 13.366         | 105  | 5831               | 0.43  | ug/l   | 76       |
| 89) n-Butylbenzene           | 13.946         | 91   | 5936               | 0.51  | ug/l # | 43       |
| 95) Naphthalene              | 15.507         | 128  | 22800              | 4.72  | ug/l   | 99       |
| -----                        |                |      |                    |       |        |          |

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

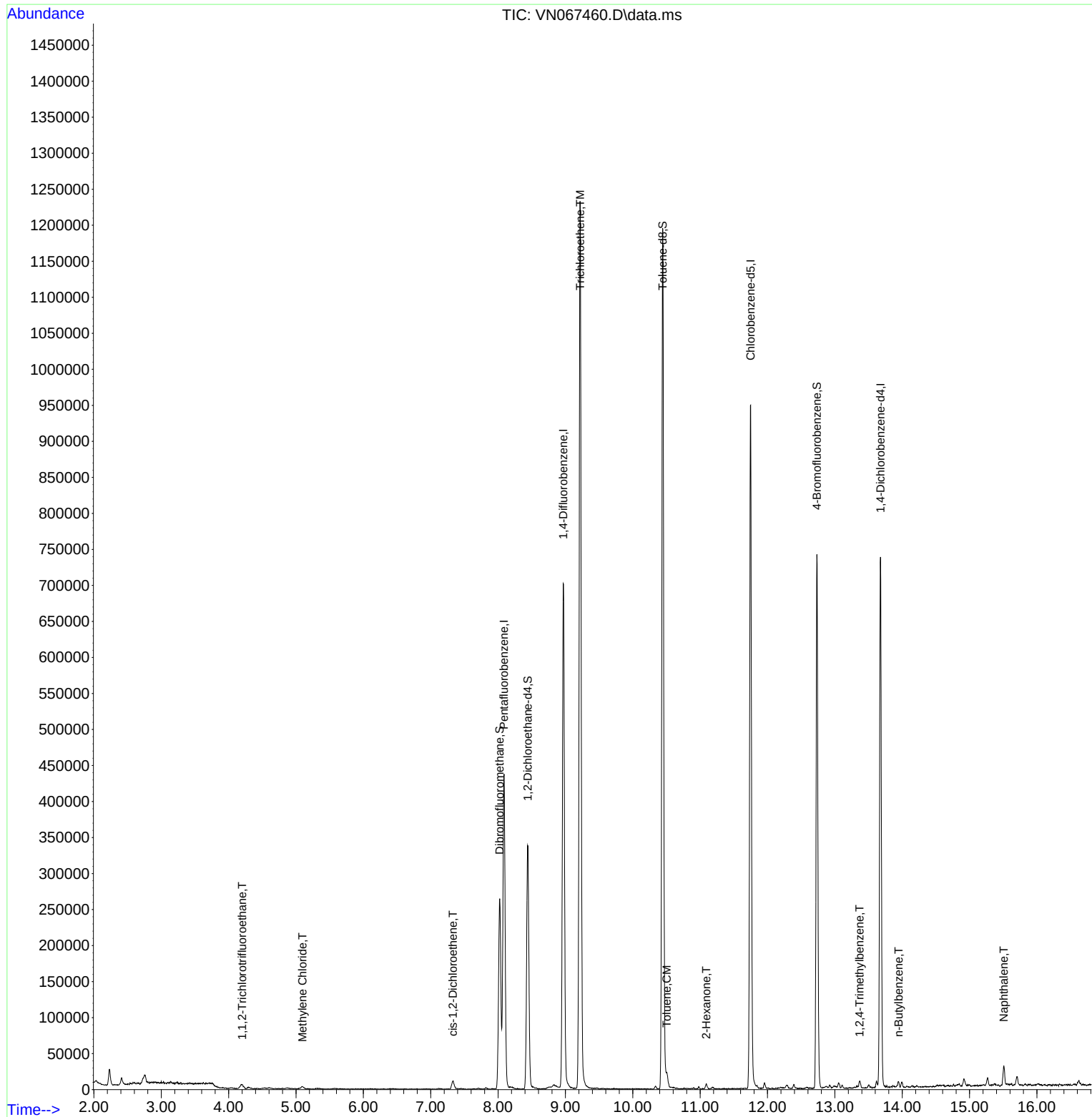
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062321\  
Data File : VN067460.D  
Acq On : 23 Jun 2021 16:27  
Operator : JC/MD  
Sample : M2784-02 10X  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

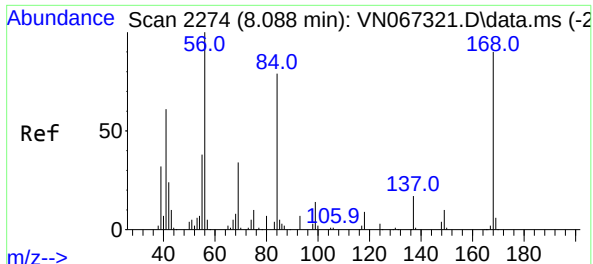
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE137-20210618

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Quant Time: Jun 24 05:03:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 15 05:19:42 2021  
Response via : Initial Calibration





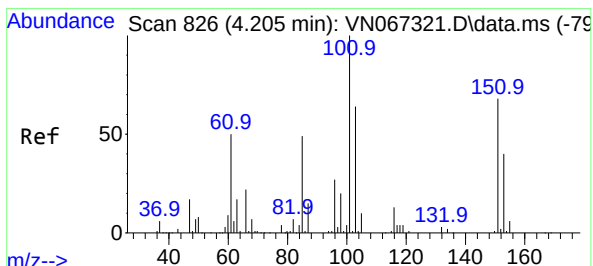
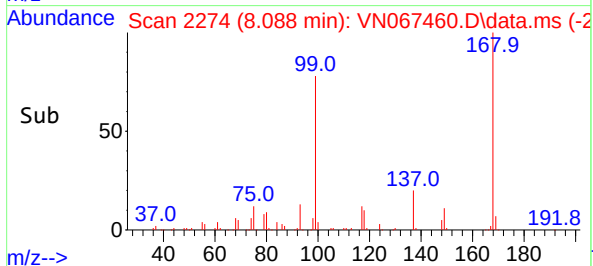
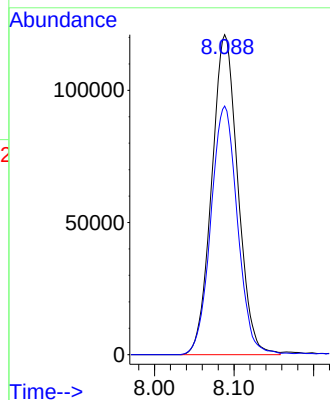
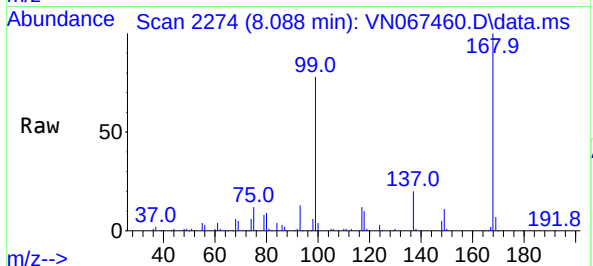
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion:168 Resp: 276618  
Ion Ratio Lower Upper  
168 100  
99 77.7 62.9 94.3

Instrument :  
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ClientSampleId :  
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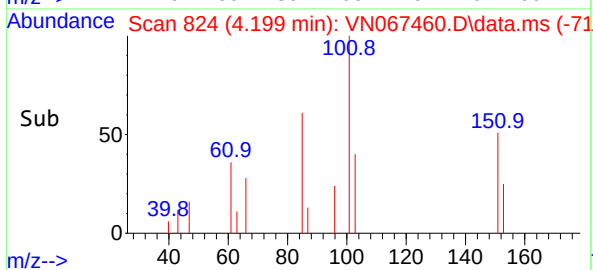
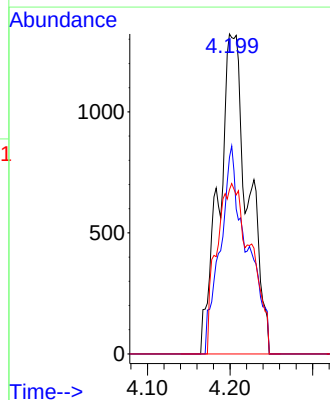
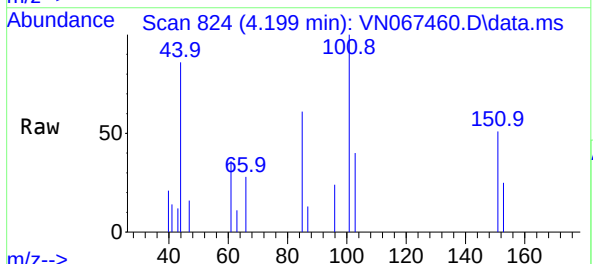
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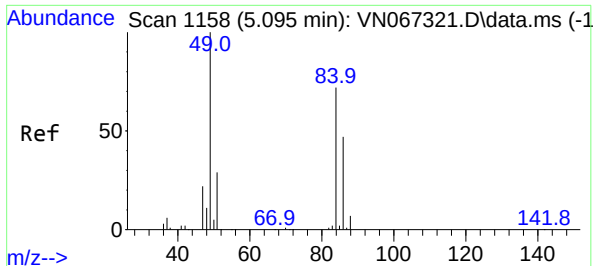
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#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.95 ug/l m  
RT: 4.199 min Scan# 824  
Delta R.T. -0.006 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

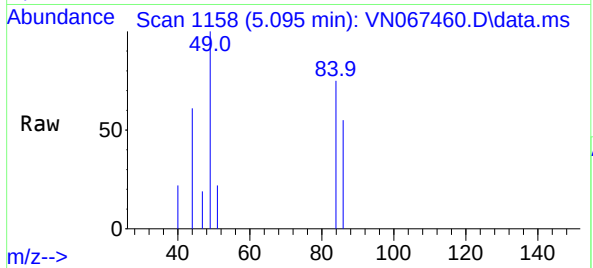
Tgt Ion:101 Resp: 3249  
Ion Ratio Lower Upper  
101 100  
85 60.0 39.6 59.4#  
151 50.7 54.1 81.1#





#20  
Methylene Chloride  
Concen: 0.57 ug/l  
RT: 5.095 min Scan# 1158  
Delta R.T. 0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
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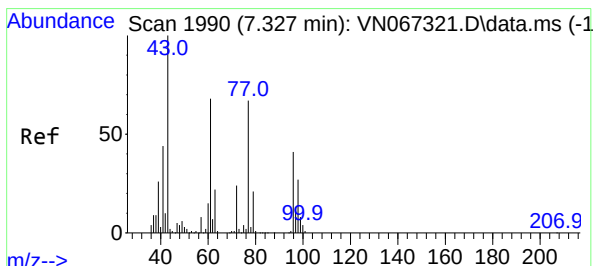
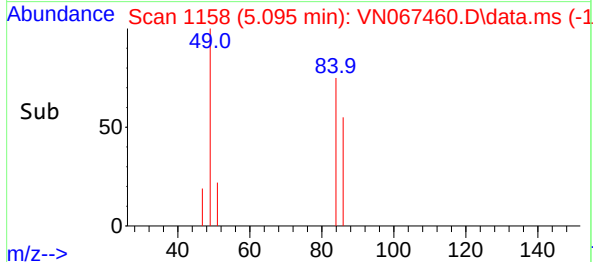
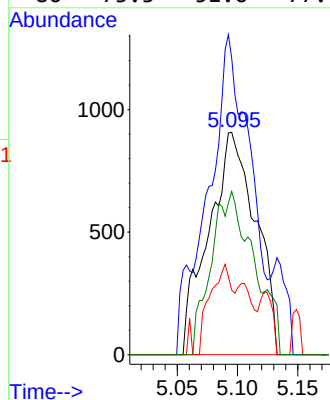


Tgt Ion: 84 Resp: 2469

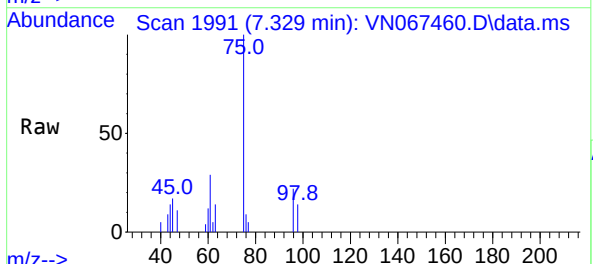
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 105.4 | 110.9 | 166.3# |
| 51  | 29.0  | 32.6  | 49.0#  |
| 86  | 73.3  | 51.6  | 77.4   |

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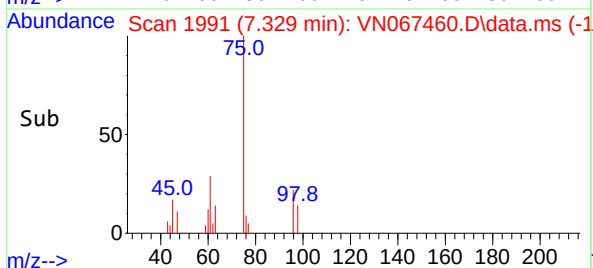
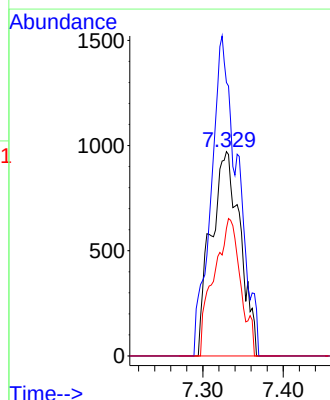


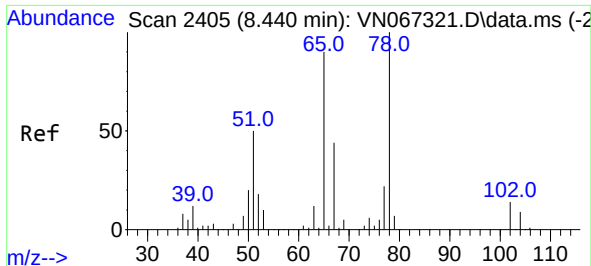
#27  
cis-1,2-Dichloroethene  
Concen: 0.56 ug/l m  
RT: 7.329 min Scan# 1991  
Delta R.T. 0.002 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27



Tgt Ion: 96 Resp: 2437

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 110.3 | 0.0   | 338.8 |
| 98  | 61.8  | 0.0   | 129.8 |





#33

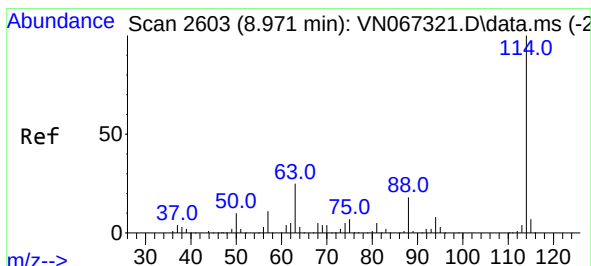
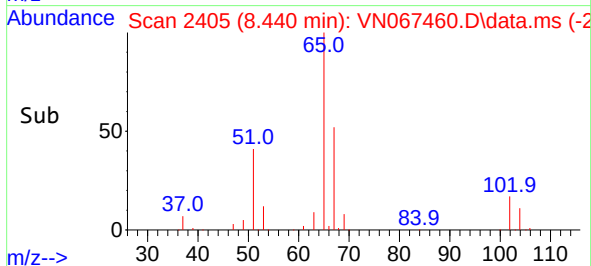
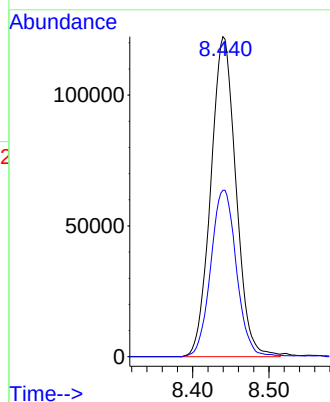
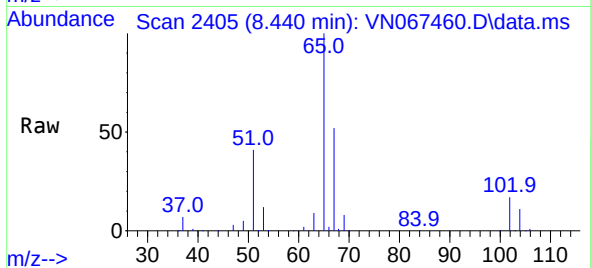
1,2-Dichloroethane-d4  
Concen: 51.36 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 65 Resp: 280294  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 98.6

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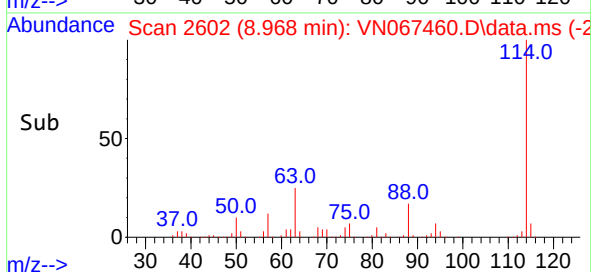
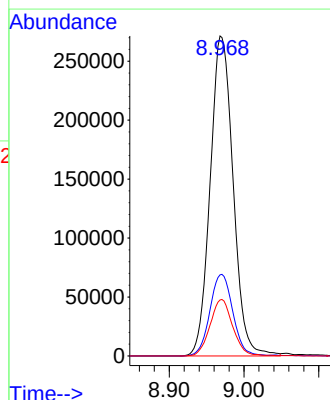
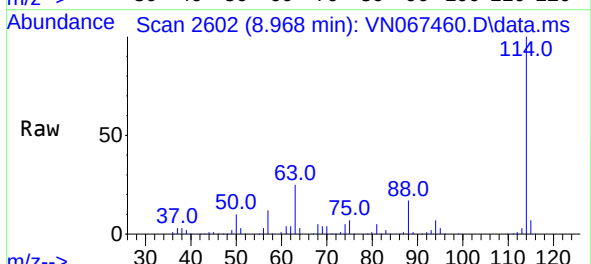
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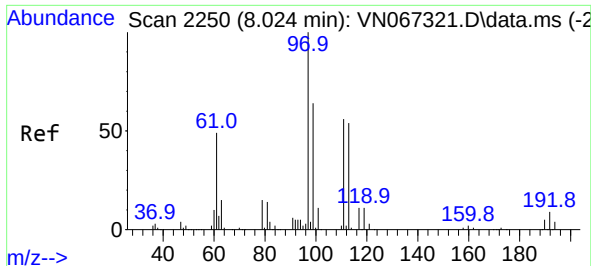


#34

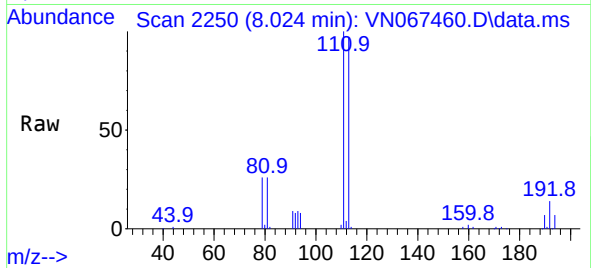
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.003 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 114 Resp: 579466  
Ion Ratio Lower Upper  
114 100  
63 25.4 0.0 49.0  
88 17.5 0.0 36.6

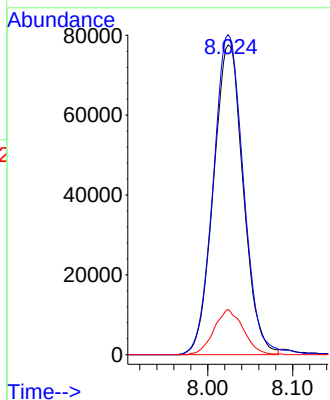
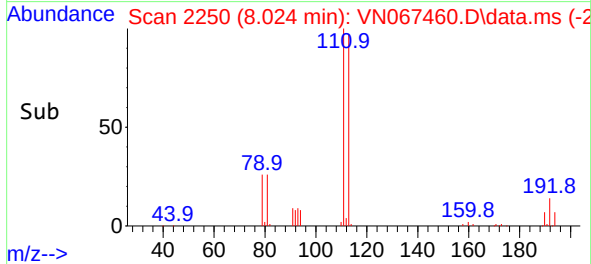




#35  
Dibromofluoromethane  
Concen: 49.11 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. -0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27



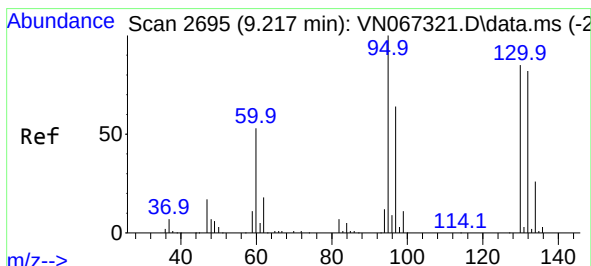
Tgt Ion:113 Resp: 189260  
Ion Ratio Lower Upper  
113 100  
111 105.0 83.8 125.8  
192 14.4 13.4 20.0



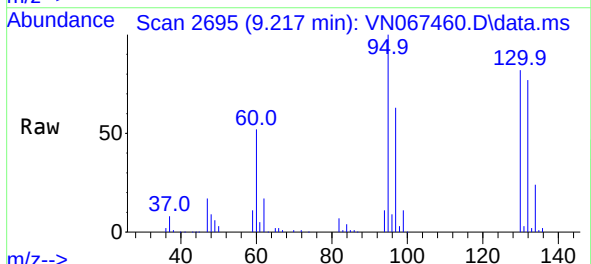
Instrument :  
MSVOA\_N  
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RE137-20210618

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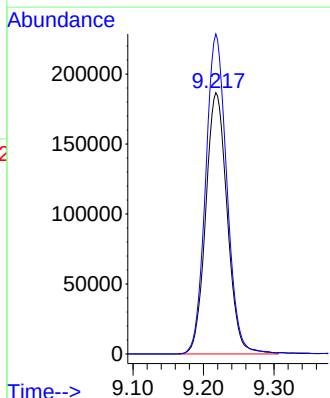
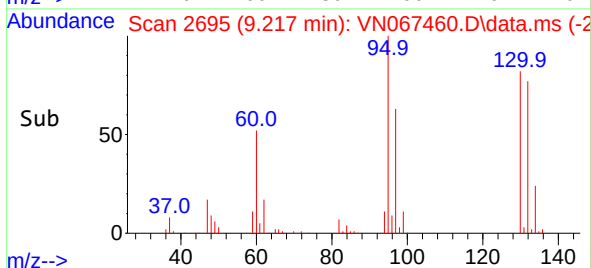
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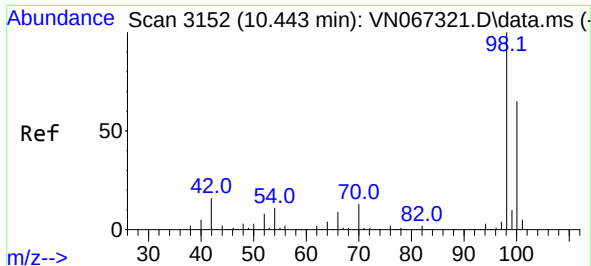


#44  
Trichloroethene  
Concen: 93.23 ug/l  
RT: 9.217 min Scan# 2695  
Delta R.T. 0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27



Tgt Ion:130 Resp: 395307  
Ion Ratio Lower Upper  
130 100  
95 122.5 0.0 234.4





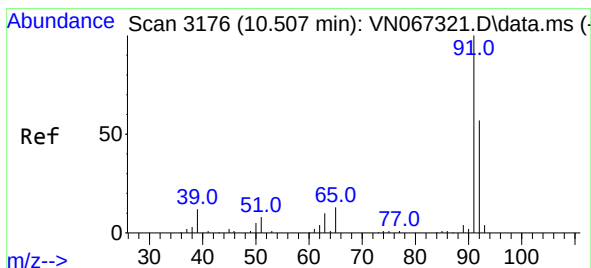
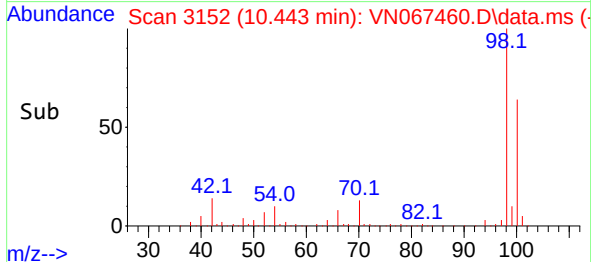
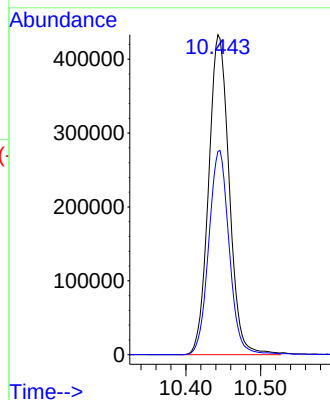
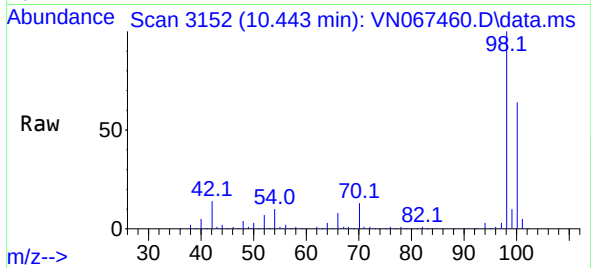
#50  
Toluene-d8  
Concen: 56.05 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 98 Resp: 827894  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.7 77.5

Instrument :  
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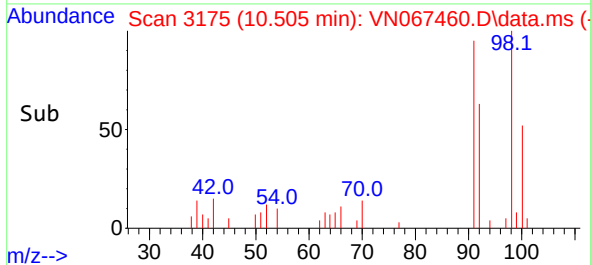
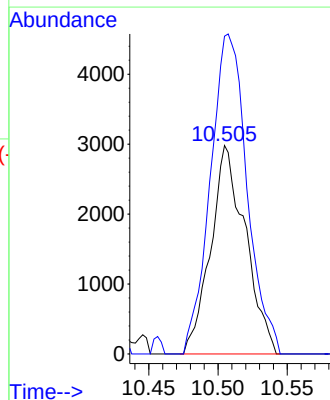
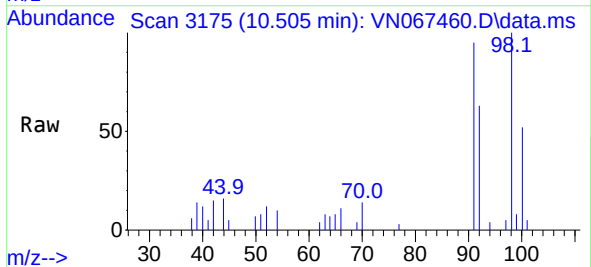
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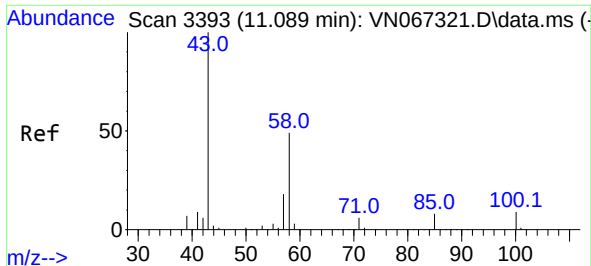
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#52  
Toluene  
Concen: 0.46 ug/l  
RT: 10.505 min Scan# 3175  
Delta R.T. -0.002 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 92 Resp: 5199  
Ion Ratio Lower Upper  
92 100  
91 162.5 139.6 209.4





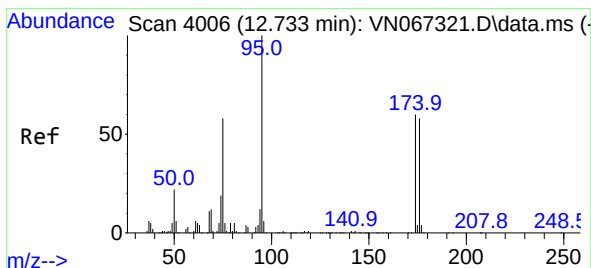
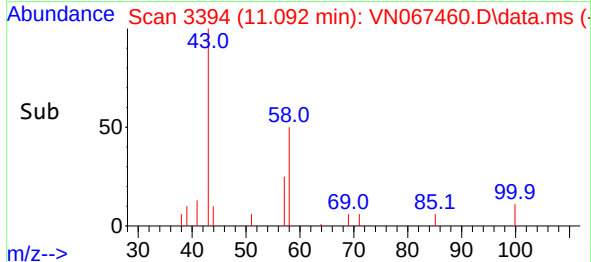
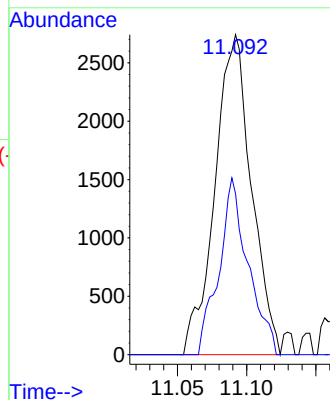
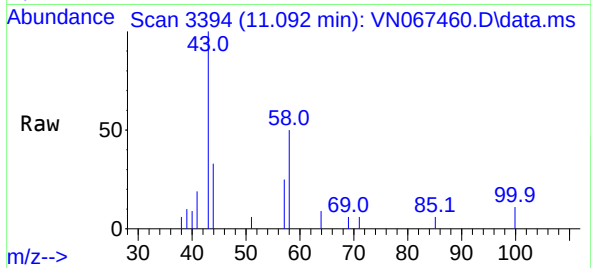
#59  
2-Hexanone  
Concen: 0.97 ug/l  
RT: 11.092 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 43 Resp: 5029  
Ion Ratio Lower Upper  
43 100  
58 44.1 24.7 74.1

Instrument :  
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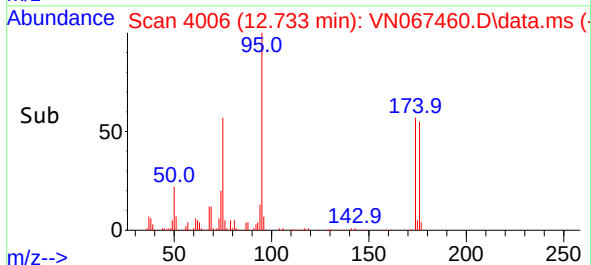
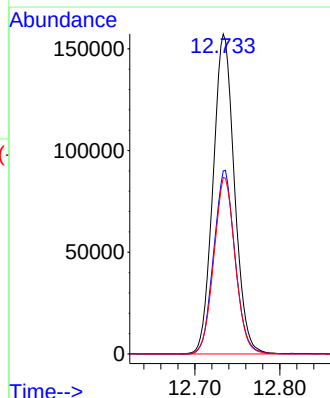
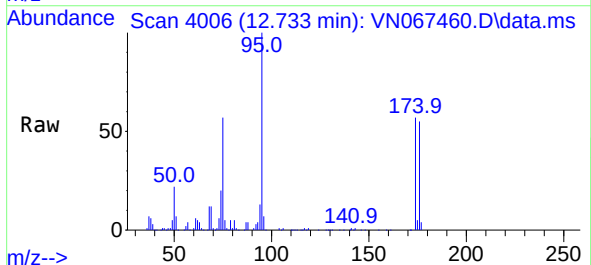
Manual Integrations  
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6/24/2021 4:59:00 PM

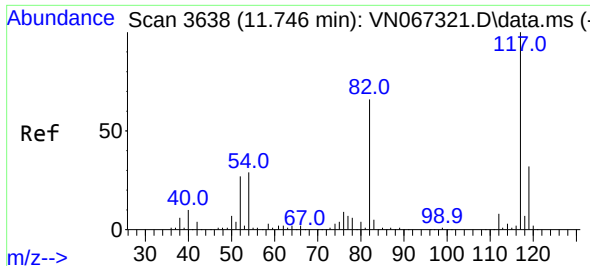


#62  
4-Bromofluorobenzene  
Concen: 45.07 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

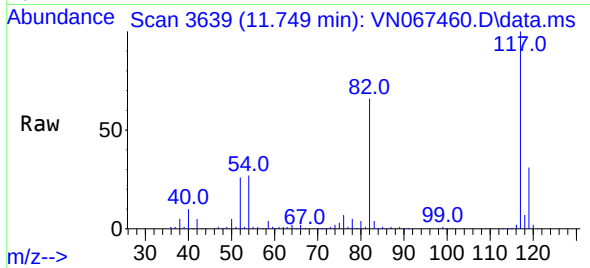
Tgt Ion: 95 Resp: 274764  
Ion Ratio Lower Upper  
95 100  
174 57.2 0.0 122.0  
176 55.1 0.0 117.6



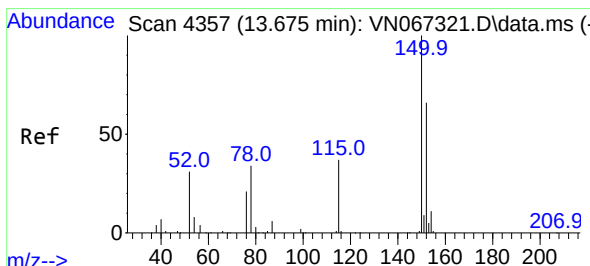
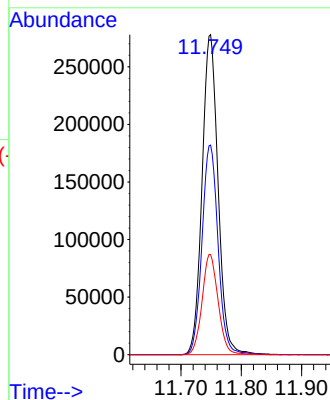
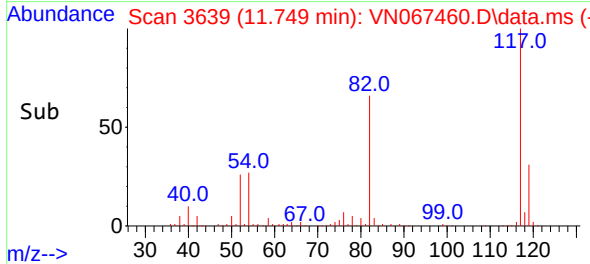




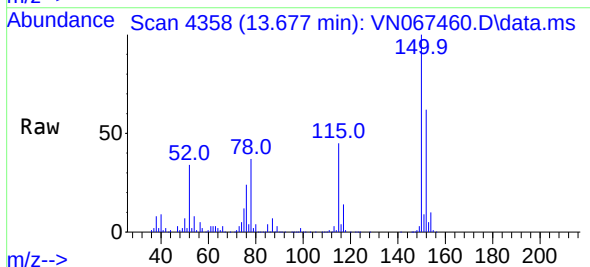
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.003 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27



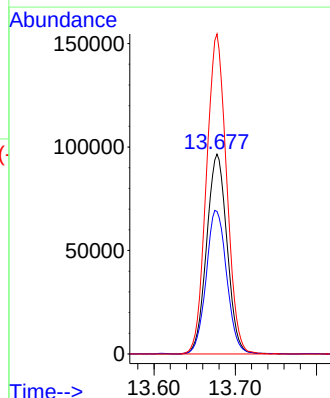
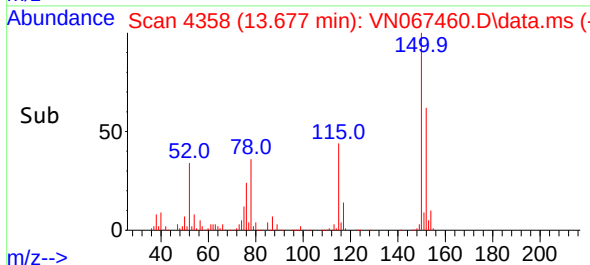
Tgt Ion:117 Resp: 513573  
Ion Ratio Lower Upper  
117 100  
82 65.5 53.1 79.7  
119 31.3 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27



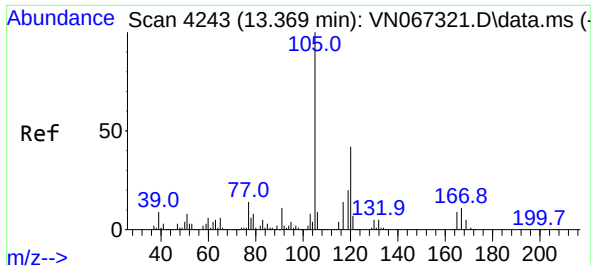
Tgt Ion:152 Resp: 168539  
Ion Ratio Lower Upper  
152 100  
115 72.6 36.1 108.5  
150 158.1 0.0 351.8



Instrument :  
MSVOA\_N  
ClientSampleId :  
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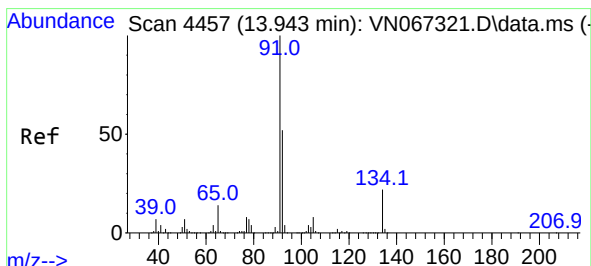
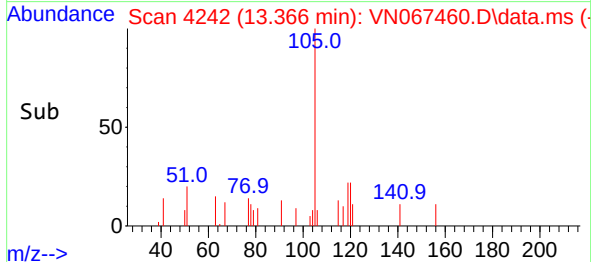
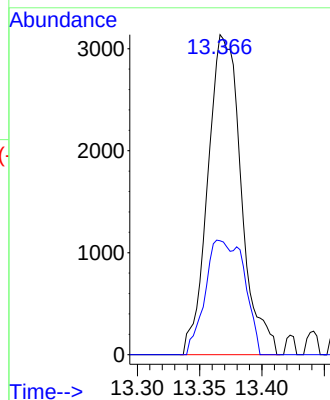
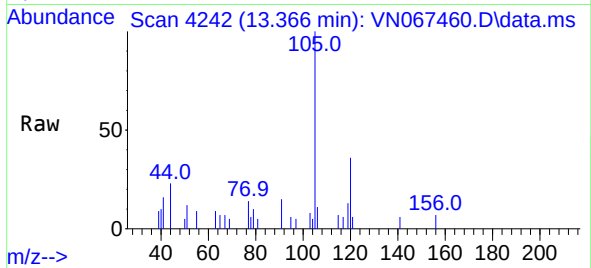
#84  
1,2,4-Trimethylbenzene  
Concen: 0.43 ug/l  
RT: 13.366 min Scan# 4242  
Delta R.T. -0.003 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 105 Resp: 5831  
Ion Ratio Lower Upper  
105 100  
120 26.4 20.6 61.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE137-20210618

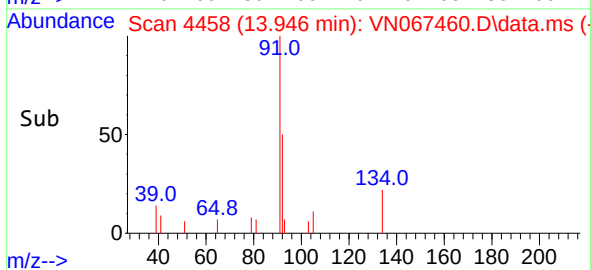
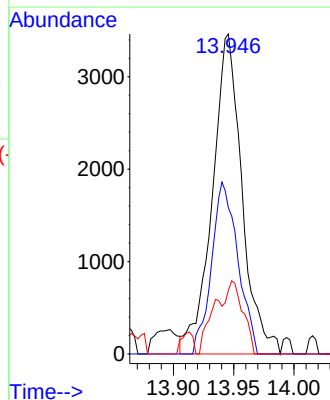
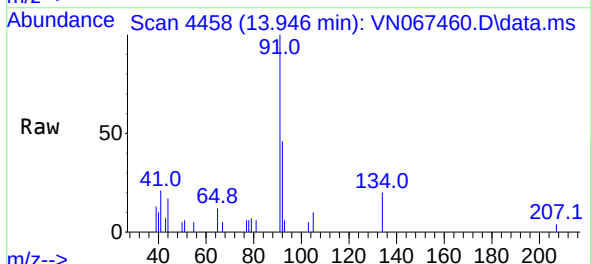
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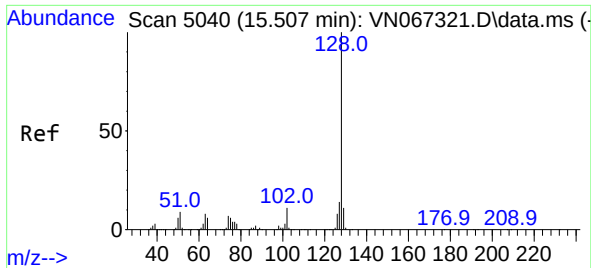
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#89  
n-Butylbenzene  
Concen: 0.51 ug/l  
RT: 13.946 min Scan# 4458  
Delta R.T. 0.003 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

Tgt Ion: 91 Resp: 5936  
Ion Ratio Lower Upper  
91 100  
92 0.0 25.7 77.1#  
134 13.2 11.2 33.6





#95  
Naphthalene  
Concen: 4.72 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN067460.D  
Acq: 23 Jun 2021 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 22800 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.5  | 10.6  | 15.8  |
| 129      | 10.4  | 8.6   | 12.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE137-20210618

Manual Integrations  
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