

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091622\  
 Data File : VN074521.D  
 Acq On : 16 Sep 2022 19:39  
 Operator : JC\MD  
 Sample : N4628-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HW-54

Quant Time: Sep 16 22:35:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 2022  
 Response via : Initial Calibration

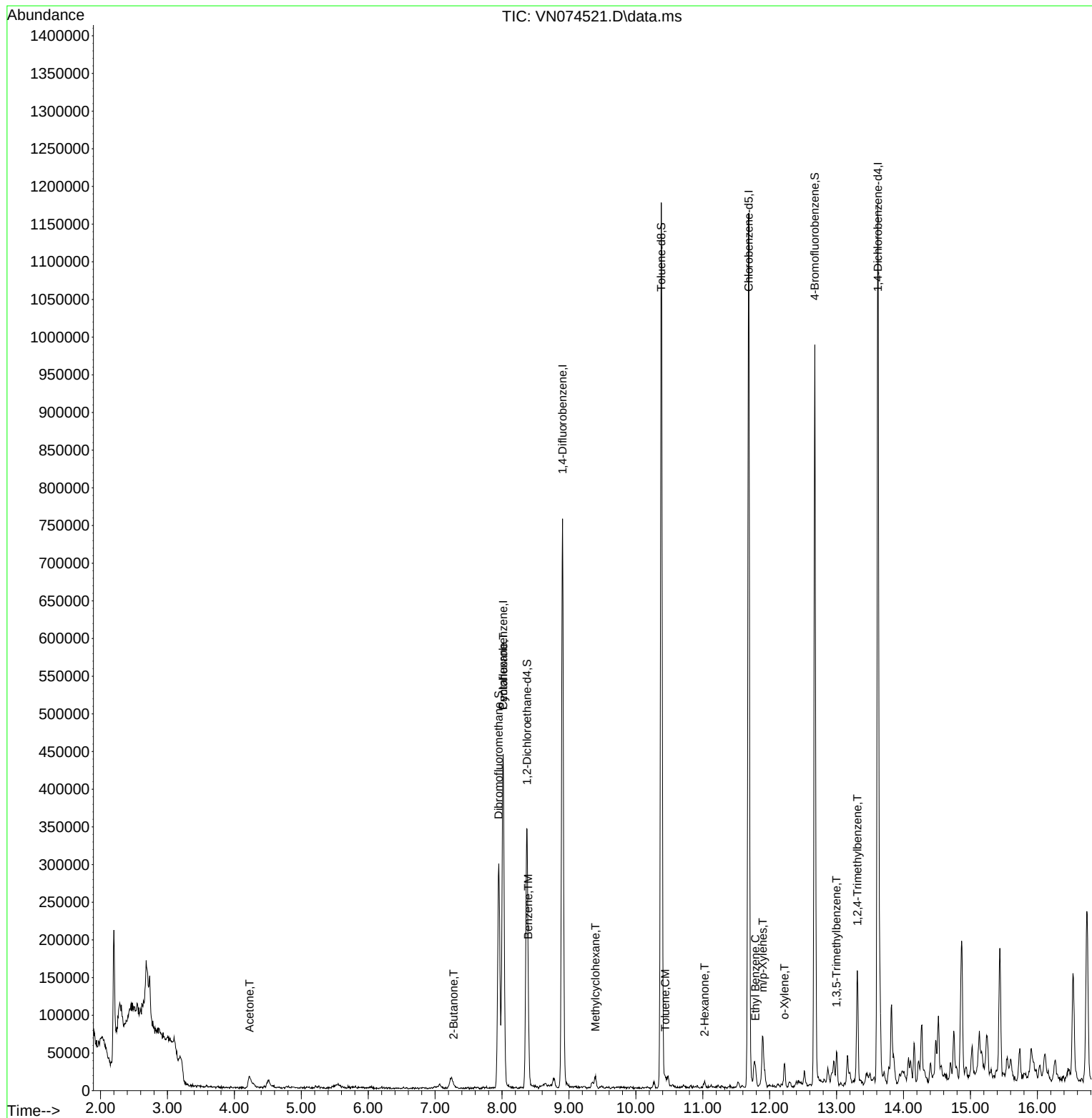
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.016  | 168   | 313430   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904  | 114   | 607195   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686 | 117   | 599268   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.616 | 152   | 275547   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.375  | 65    | 249357   | 46.888   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 93.780%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 206133   | 51.105   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 102.220% |
| 50) Toluene-d8              | 10.381 | 98    | 758388   | 48.618   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 97.240%  |
| 62) 4-Bromofluorobenzene    | 12.675 | 95    | 292618   | 54.771   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 109.540% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.228  | 43    | 30555    | 8.979    | ug/l # | 84       |
| 25) 2-Butanone              | 7.275  | 43    | 12590    | 2.228    | ug/l # | 77       |
| 31) Cyclohexane             | 8.016  | 56    | 14010    | 1.484    | ug/l # | 47       |
| 39) Methylcyclohexane       | 9.398  | 83    | 5259     | 0.619    | ug/l # | 84       |
| 40) Benzene                 | 8.393  | 78    | 29087    | 1.318    | ug/l   | 98       |
| 52) Toluene                 | 10.440 | 92    | 4135     | 0.319    | ug/l   | 89       |
| 59) 2-Hexanone              | 11.028 | 43    | 7874     | 0.915    | ug/l   | 76       |
| 67) Ethyl Benzene           | 11.786 | 91    | 12700    | 0.460    | ug/l   | 90       |
| 68) m/p-Xylenes             | 11.898 | 106   | 20221    | 1.980    | ug/l   | 93       |
| 69) o-Xylene                | 12.222 | 106   | 6889     | 0.662    | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene  | 12.998 | 105   | 14892    | 0.647    | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene  | 13.310 | 105   | 77602    | 3.353    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

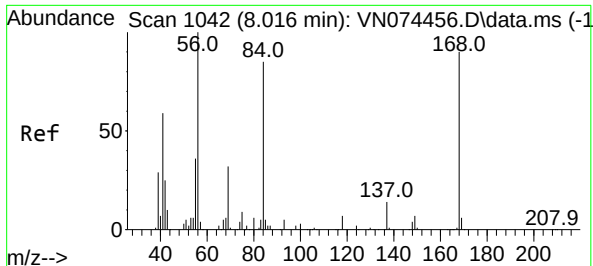
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 15 19:20:33 2022  
Response via : Initial Calibration

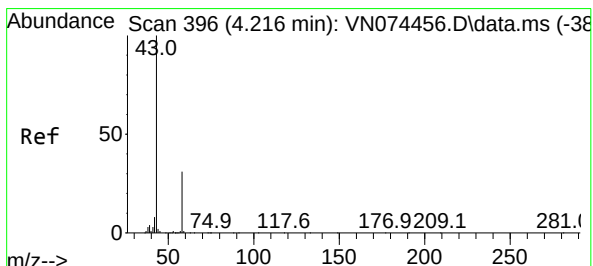
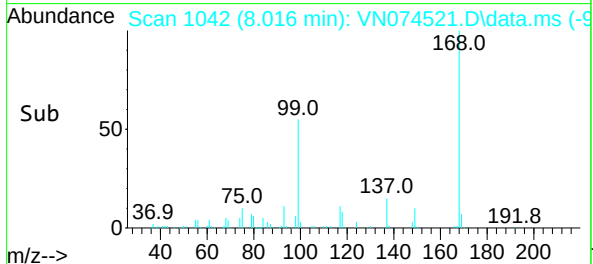
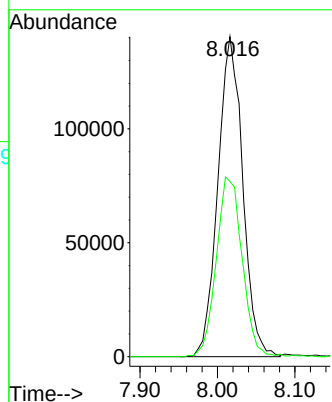
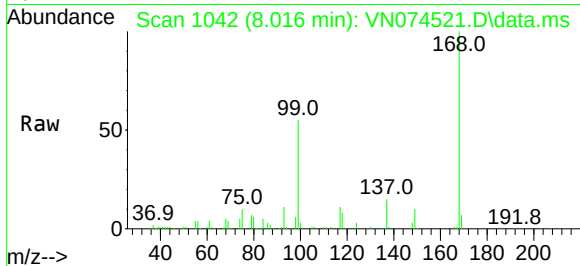




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

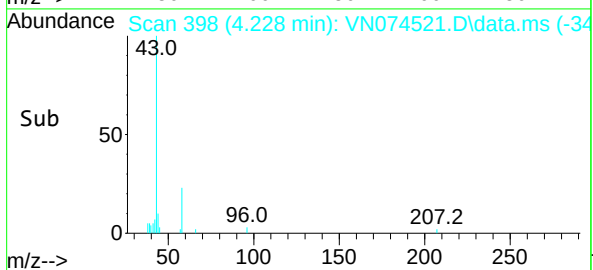
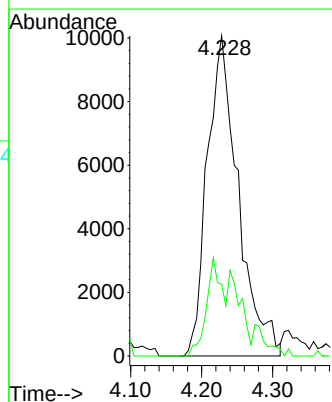
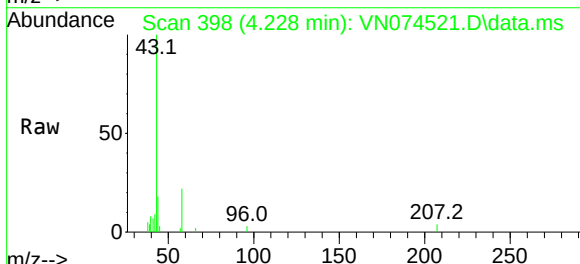
Instrument :  
MSVOA\_N  
ClientSampleId :  
HW-54

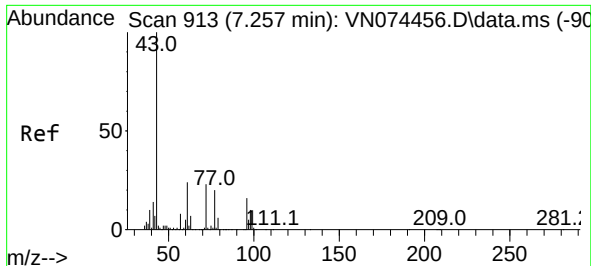
Tgt Ion:168 Resp: 313430  
Ion Ratio Lower Upper  
168 100  
99 54.8 42.3 63.5



#16  
Acetone  
Concen: 8.979 ug/l  
RT: 4.228 min Scan# 398  
Delta R.T. 0.012 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

Tgt Ion: 43 Resp: 30555  
Ion Ratio Lower Upper  
43 100  
58 23.3 26.0 39.0#

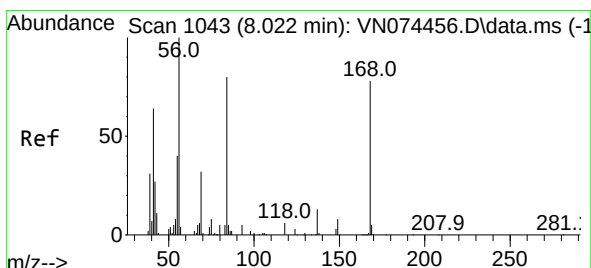
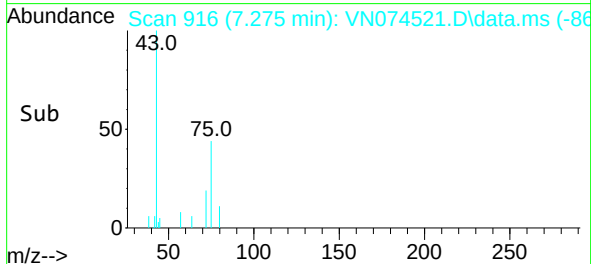
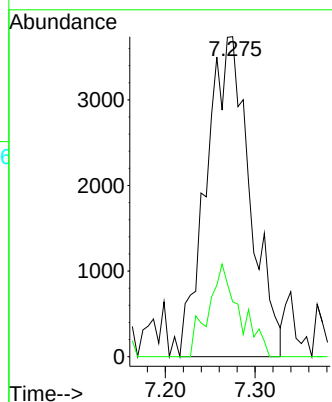
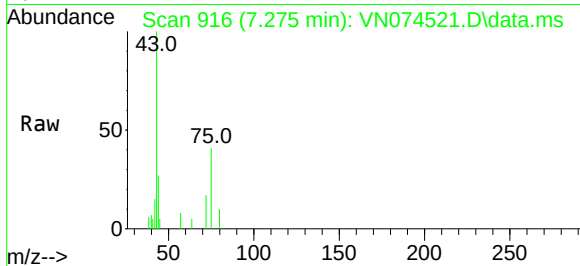




#25  
2-Butanone  
Concen: 2.228 ug/l  
RT: 7.275 min Scan# 913  
Delta R.T. 0.018 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

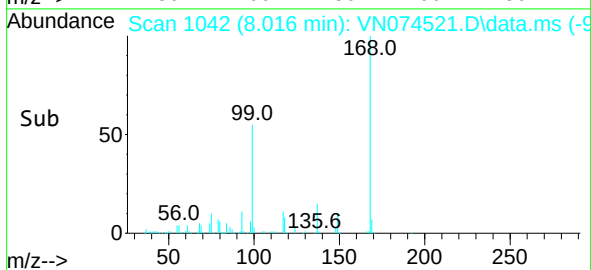
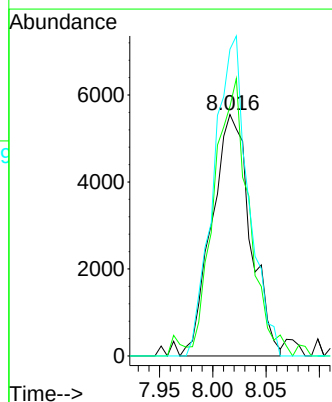
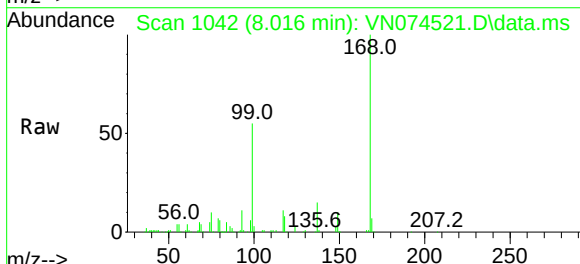
Instrument :  
MSVOA\_N  
ClientSampleId :  
HW-54

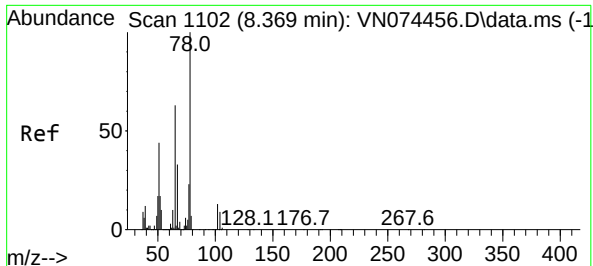
Tgt Ion: 43 Resp: 12590  
Ion Ratio Lower Upper  
43 100  
72 17.2 23.7 35.5#



#31  
Cyclohexane  
Concen: 1.484 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

Tgt Ion: 56 Resp: 14010  
Ion Ratio Lower Upper  
56 100  
69 98.7 27.8 41.8#  
84 127.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.888 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

Instrument :

MSVOA\_N

ClientSampleId :

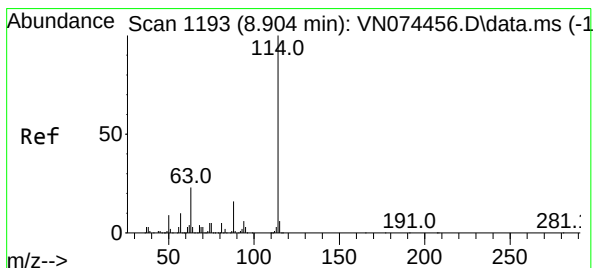
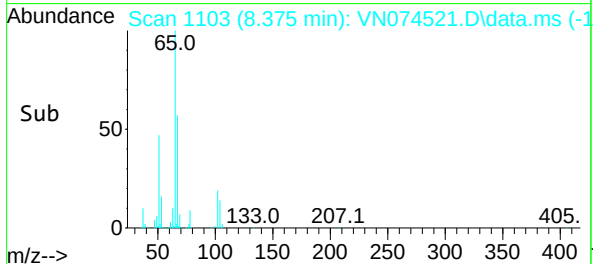
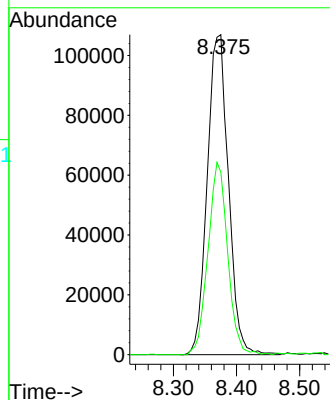
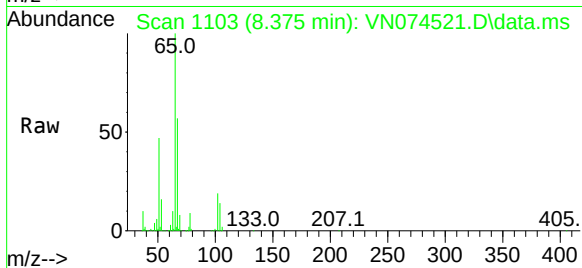
HW-54

Tgt Ion: 65 Resp: 249357

Ion Ratio Lower Upper

65 100

67 55.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

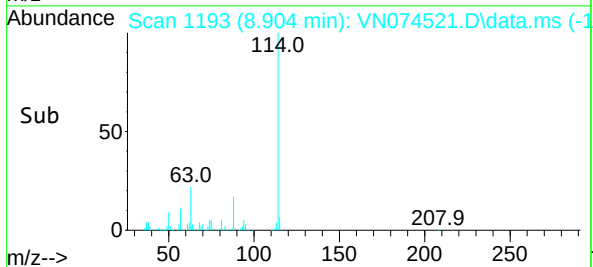
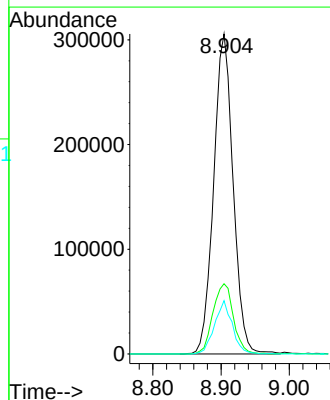
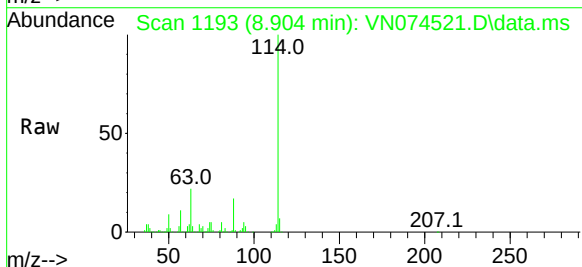
Tgt Ion: 114 Resp: 607195

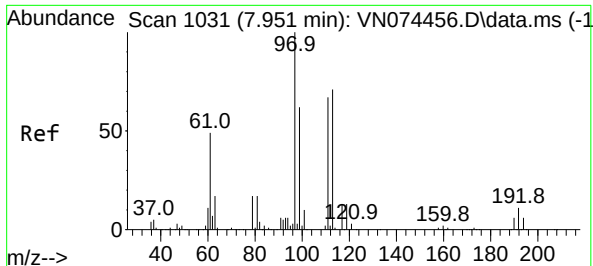
Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.105 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

Instrument :

MSVOA\_N

ClientSampleId :

HW-54

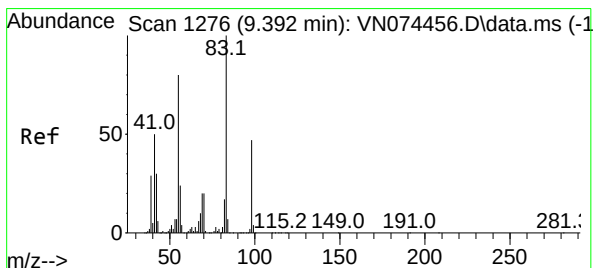
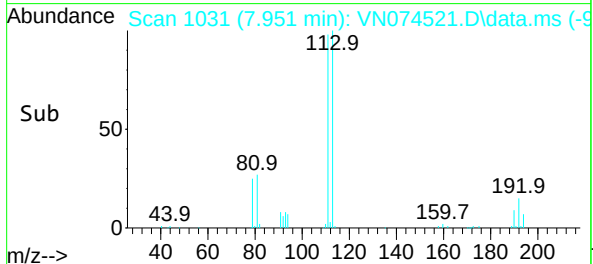
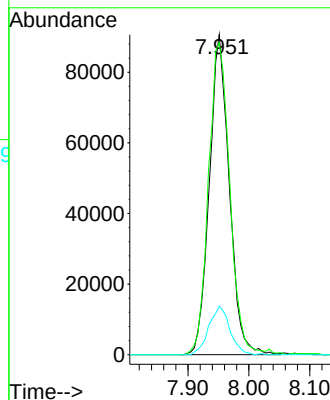
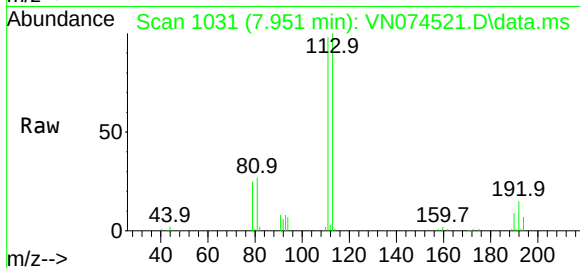
Tgt Ion:113 Resp: 206133

Ion Ratio Lower Upper

113 100

111 104.6 81.4 122.0

192 16.0 17.0 25.6#



#39

Methylcyclohexane

Concen: 0.619 ug/l

RT: 9.398 min Scan# 1277

Delta R.T. 0.006 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

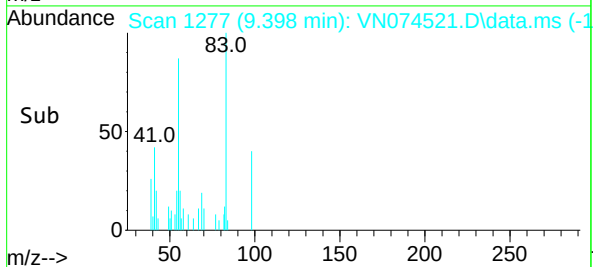
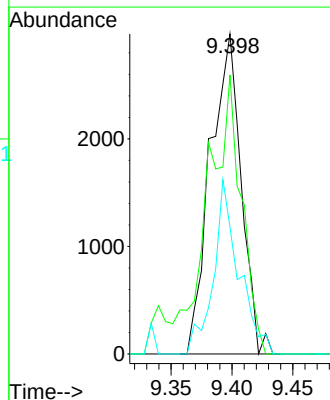
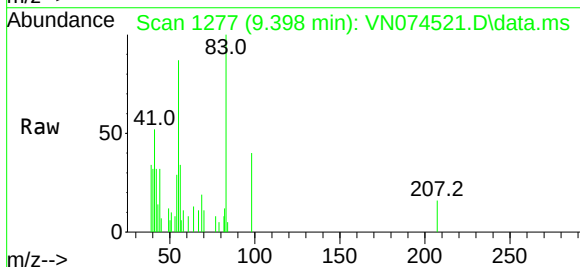
Tgt Ion: 83 Resp: 5259

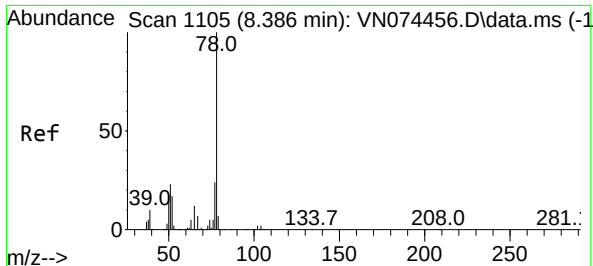
Ion Ratio Lower Upper

83 100

55 87.2 57.8 86.8#

98 39.7 39.4 59.2

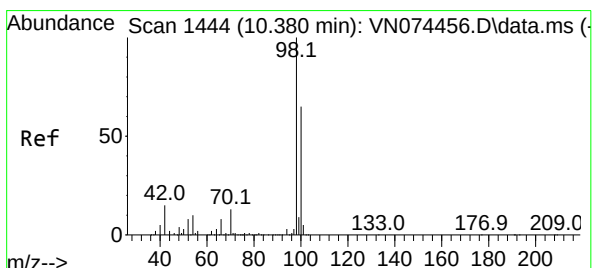
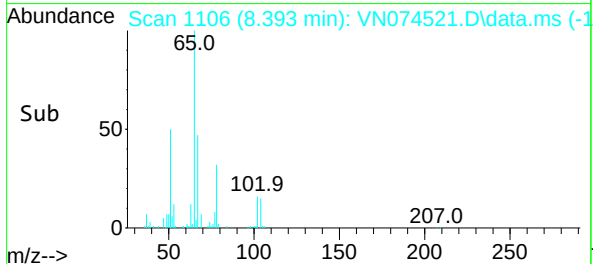
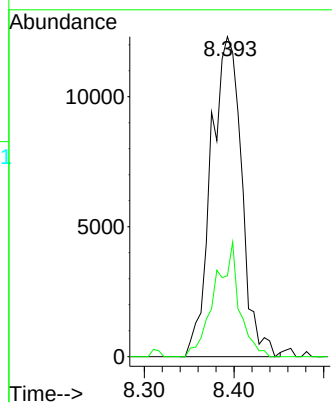
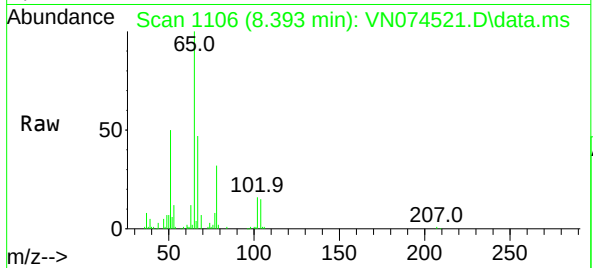




#40  
Benzene  
Concen: 1.318 ug/l  
RT: 8.393 min Scan# 1105  
Delta R.T. 0.007 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

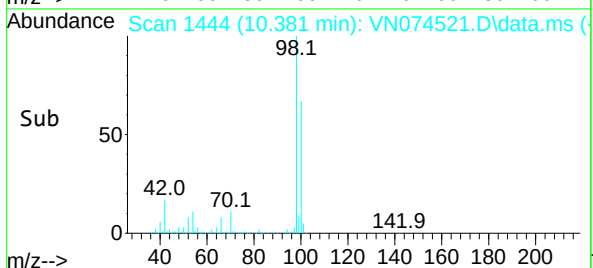
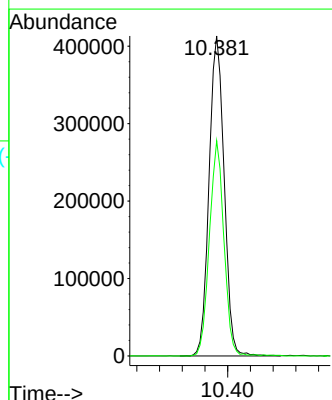
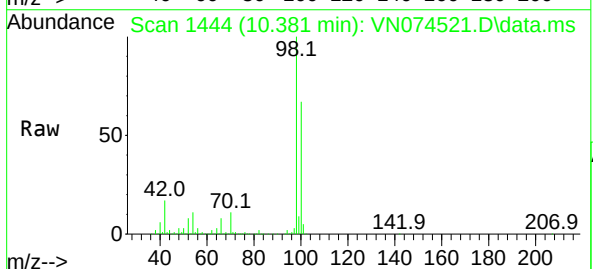
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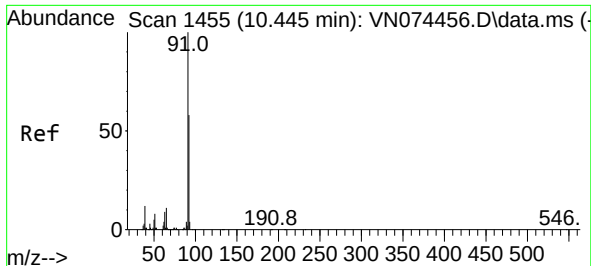
Tgt Ion: 78 Resp: 29087  
Ion Ratio Lower Upper  
78 100  
77 25.3 19.4 29.0



#50  
Toluene-d8  
Concen: 48.618 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

Tgt Ion: 98 Resp: 758388  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8

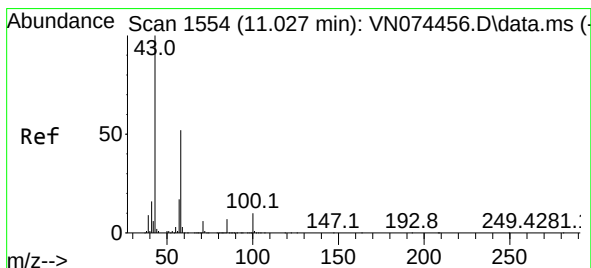
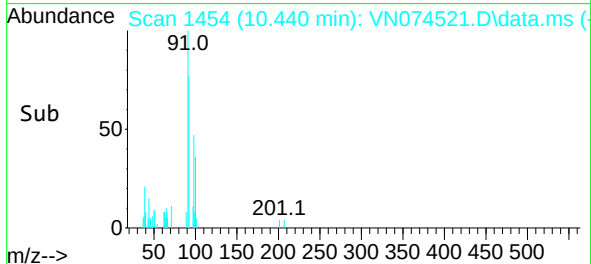
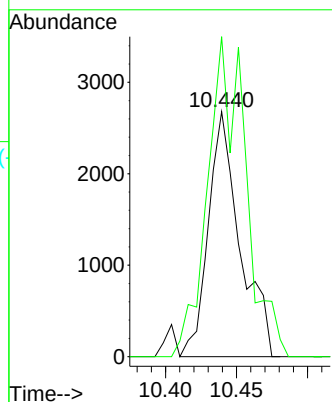
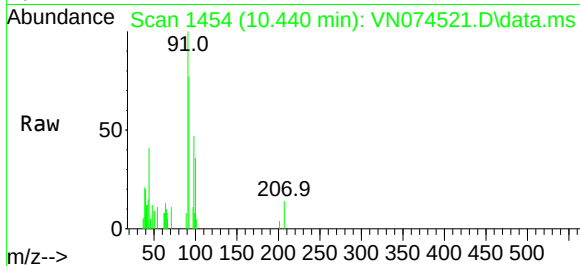




#52  
Toluene  
Concen: 0.319 ug/l  
RT: 10.440 min Scan# 1455  
Delta R.T. -0.005 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

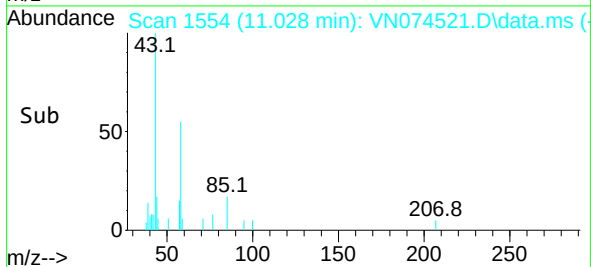
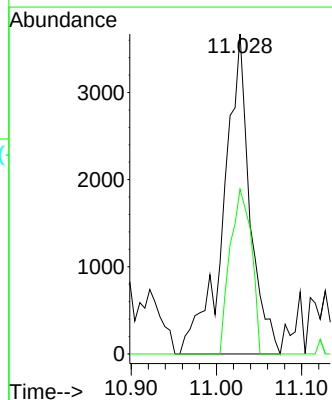
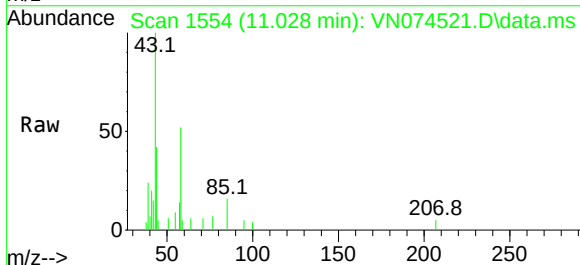
Instrument :  
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ClientSampleId :  
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Tgt Ion: 92 Resp: 4135  
Ion Ratio Lower Upper  
92 100  
91 158.2 138.6 207.8

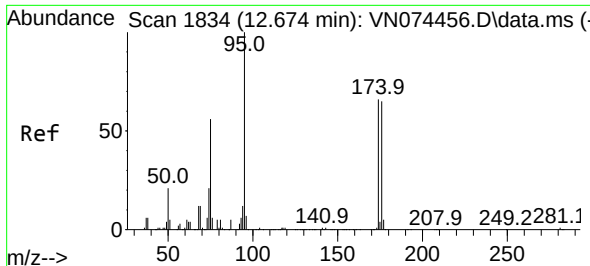


#59  
2-Hexanone  
Concen: 0.915 ug/l  
RT: 11.028 min Scan# 1554  
Delta R.T. 0.001 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

Tgt Ion: 43 Resp: 7874  
Ion Ratio Lower Upper  
43 100  
58 41.7 29.7 89.1



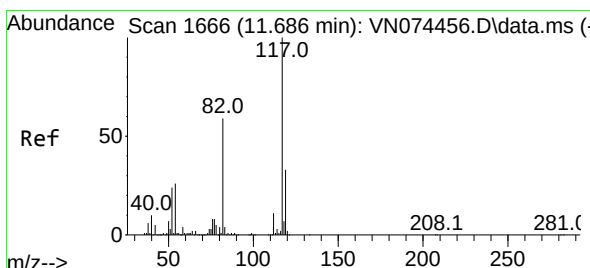
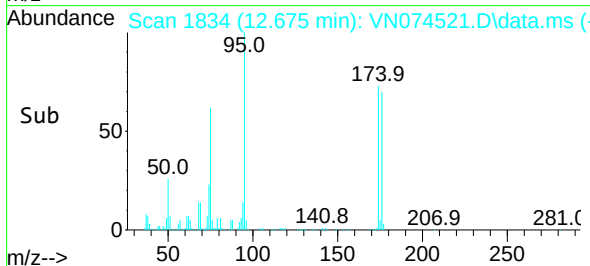
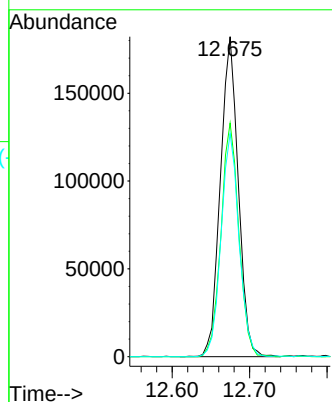
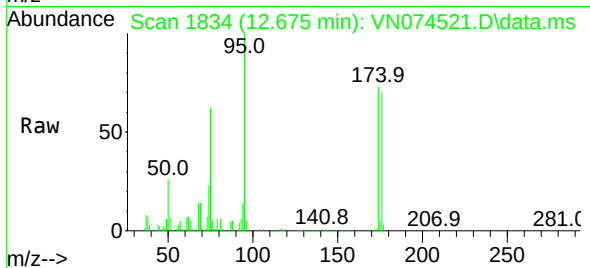




#62  
4-Bromofluorobenzene  
Concen: 54.771 ug/l  
RT: 12.675 min Scan# 1834  
Delta R.T. 0.001 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

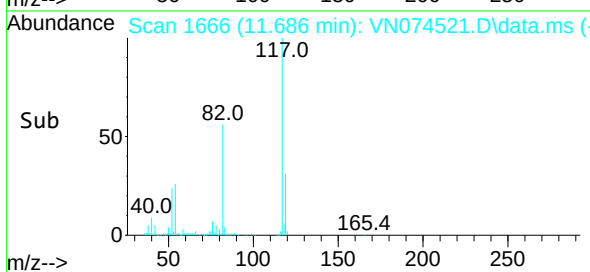
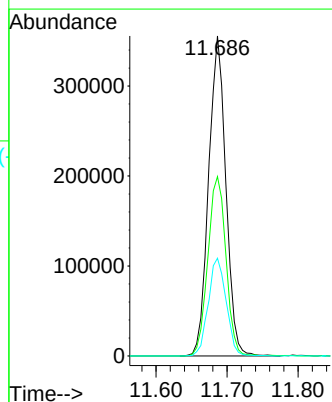
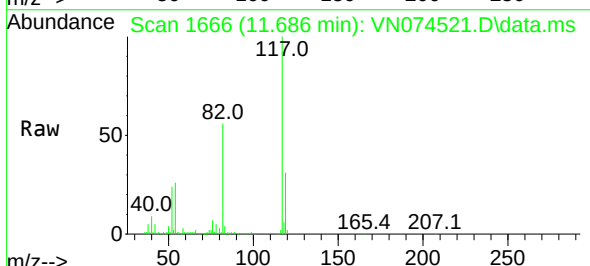
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ClientSampleId :  
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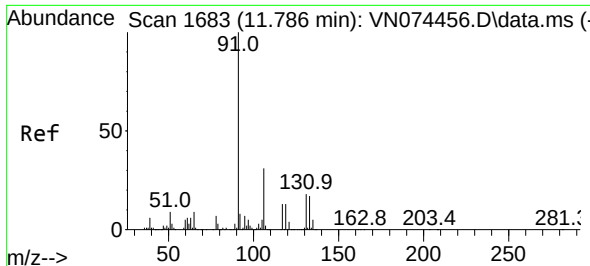
Tgt Ion: 95 Resp: 292618  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 167.6  
176 69.8 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

Tgt Ion: 117 Resp: 599268  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.2 66.2  
119 30.6 25.4 38.0





#67

Ethyl Benzene

Concen: 0.460 ug/l

RT: 11.786 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

Instrument :

MSVOA\_N

ClientSampleId :

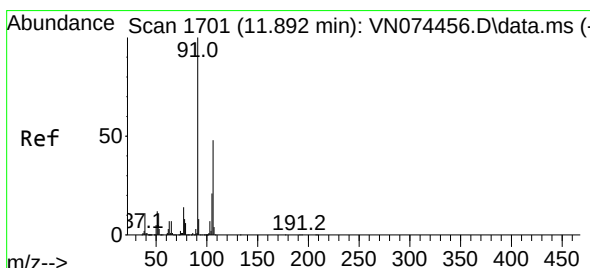
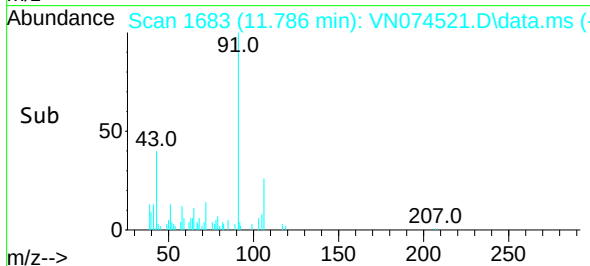
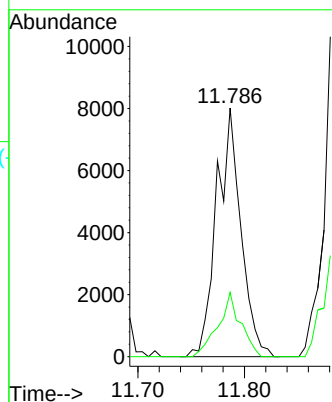
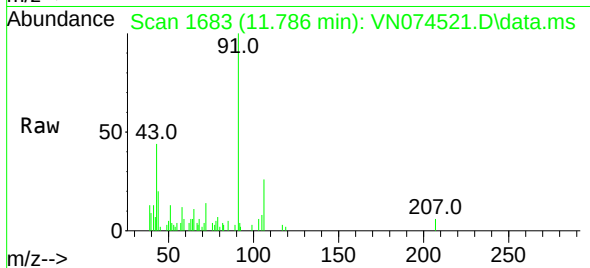
HW-54

Tgt Ion: 91 Resp: 12700

Ion Ratio Lower Upper

91 100

106 25.9 24.9 37.3



#68

m/p-Xylenes

Concen: 1.980 ug/l

RT: 11.898 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN074521.D

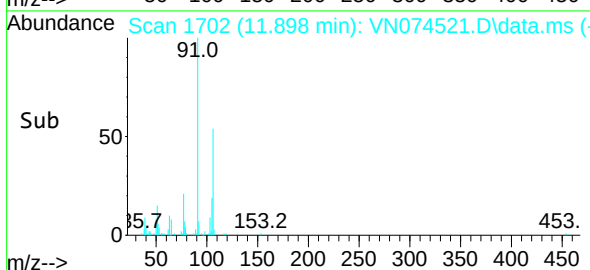
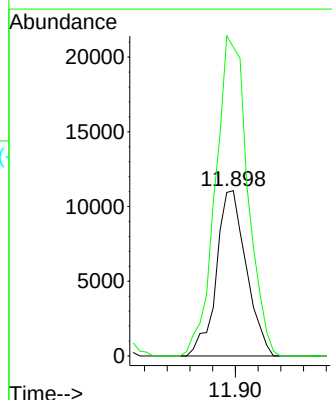
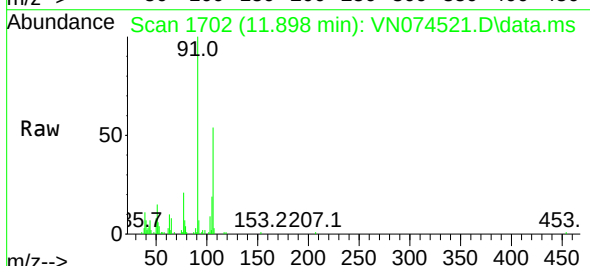
Acq: 16 Sep 2022 19:39

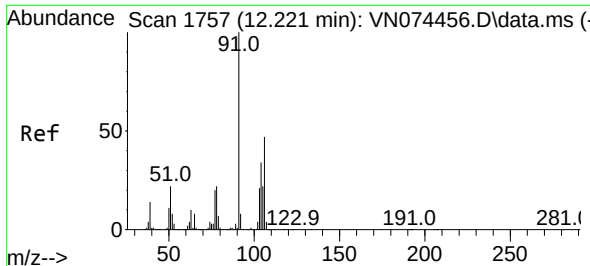
Tgt Ion: 106 Resp: 20221

Ion Ratio Lower Upper

106 100

91 209.4 158.9 238.3

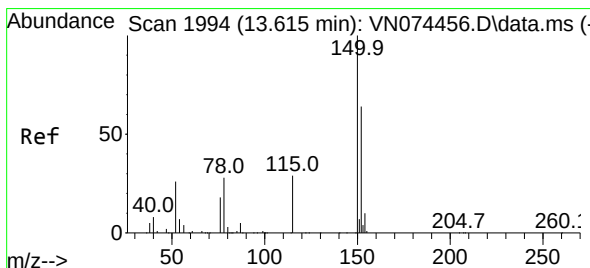
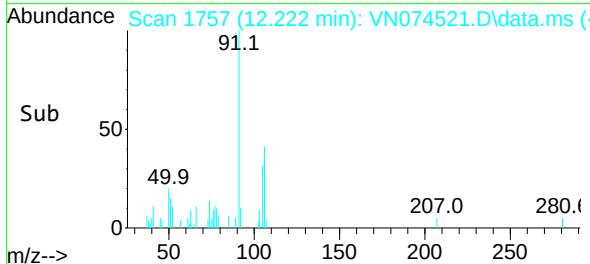
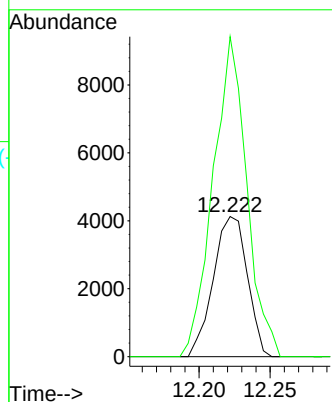
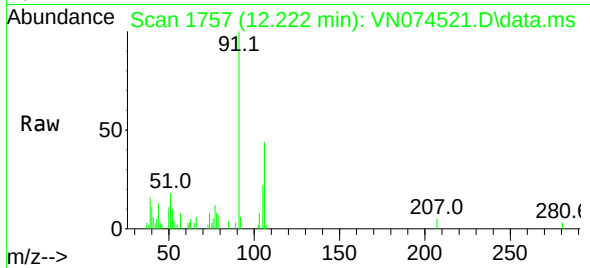




#69  
o-Xylene  
Concen: 0.662 ug/l  
RT: 12.222 min Scan# 1757  
Delta R.T. 0.001 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

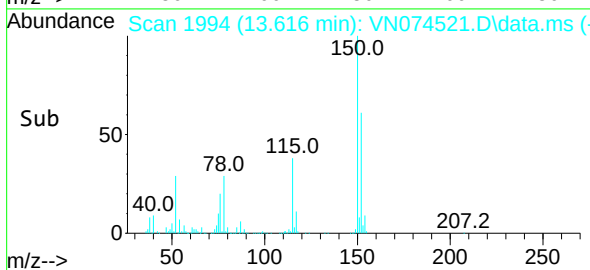
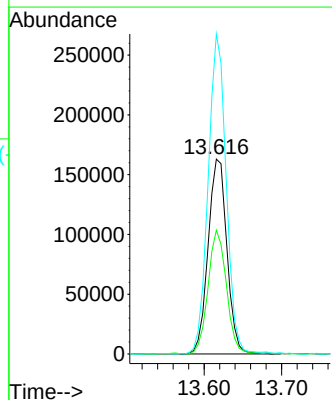
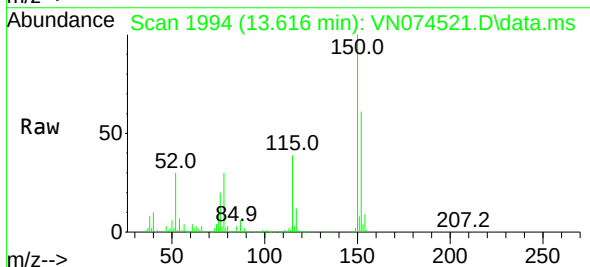
Instrument :  
MSVOA\_N  
ClientSampleId :  
HW-54

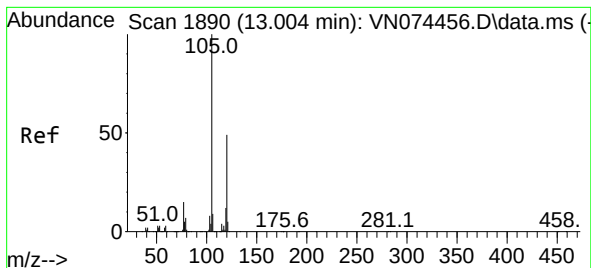
Tgt Ion:106 Resp: 6889  
Ion Ratio Lower Upper  
106 100  
91 225.4 106.0 318.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.616 min Scan# 1994  
Delta R.T. 0.001 min  
Lab File: VN074521.D  
Acq: 16 Sep 2022 19:39

Tgt Ion:152 Resp: 275547  
Ion Ratio Lower Upper  
152 100  
115 62.4 28.9 86.7  
150 157.4 0.0 356.2





#80

1,3,5-Trimethylbenzene

Concen: 0.647 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

Instrument :

MSVOA\_N

ClientSampleId :

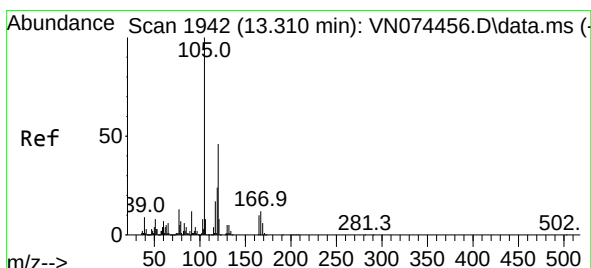
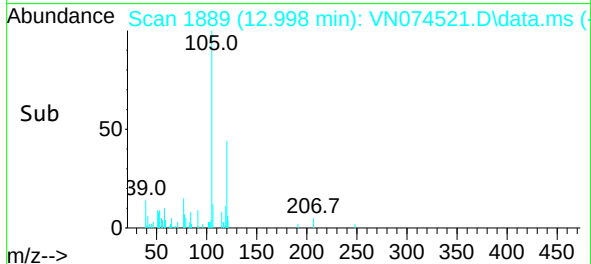
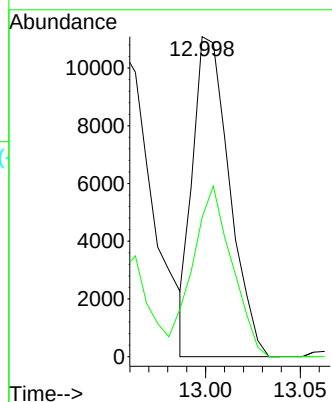
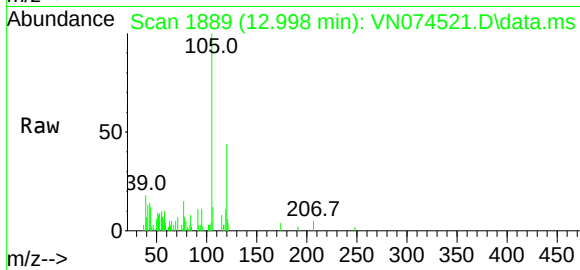
HW-54

Tgt Ion:105 Resp: 14892

Ion Ratio Lower Upper

105 100

120 57.1 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 3.353 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. -0.000 min

Lab File: VN074521.D

Acq: 16 Sep 2022 19:39

Tgt Ion:105 Resp: 77602

Ion Ratio Lower Upper

105 100

120 43.6 23.3 69.8

