

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071222\  
 Data File : VN073432.D  
 Acq On : 12 Jul 2022 13:19  
 Operator : JC\MD  
 Sample : N3524-09DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31493DL

Quant Time: Jul 13 06:17:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

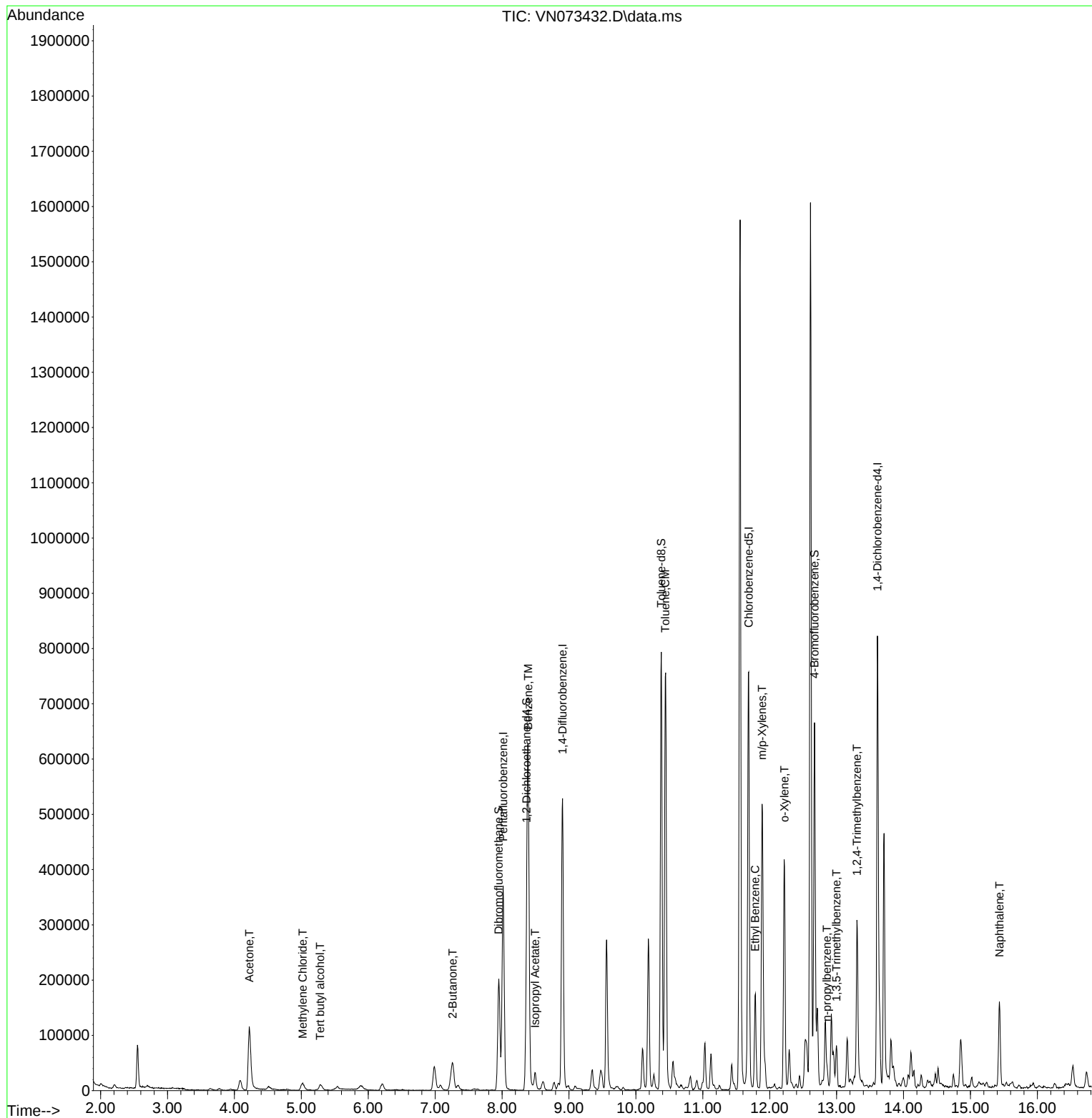
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.016          | 168  | 268049     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.904          | 114  | 457470     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686         | 117  | 433046     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.610         | 152  | 212601     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369          | 65   | 179760     | 46.455   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 92.900%  |        |          |
| 35) Dibromofluoromethane    | 7.951          | 113  | 146783     | 48.227   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 96.460%  |        |          |
| 50) Toluene-d8              | 10.380         | 98   | 499801     | 46.236   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 92.480%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.668         | 95   | 221239     | 53.257   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 106.520% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.281          | 59   | 18059      | 19.265   | ug/l   | # 86     |
| 16) Acetone                 | 4.222          | 43   | 215274     | 99.110   | ug/l   | 95       |
| 20) Methylene Chloride      | 5.022          | 84   | 9901       | 2.594    | ug/l   | # 84     |
| 25) 2-Butanone              | 7.263          | 43   | 72179      | 20.872   | ug/l   | 89       |
| 40) Benzene                 | 8.392          | 78   | 524618     | 36.298   | ug/l   | 100      |
| 43) Isopropyl Acetate       | 8.492          | 43   | 33014      | 3.246    | ug/l   | # 88     |
| 52) Toluene                 | 10.439         | 92   | 336307     | 37.652   | ug/l   | 100      |
| 67) Ethyl Benzene           | 11.780         | 91   | 121209     | 6.817    | ug/l   | 96       |
| 68) m/p-Xylenes             | 11.886         | 106  | 160901     | 23.978   | ug/l   | 93       |
| 69) o-Xylene                | 12.221         | 106  | 101762     | 14.855   | ug/l   | 93       |
| 78) n-propylbenzene         | 12.857         | 91   | 22588      | 1.108    | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene  | 12.998         | 105  | 37412      | 2.500    | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene  | 13.304         | 105  | 173669     | 11.624   | ug/l   | 95       |
| 95) Naphthalene             | 15.433         | 128  | 139744     | 8.529    | ug/l   | 99       |
| -----                       |                |      |            |          |        |          |

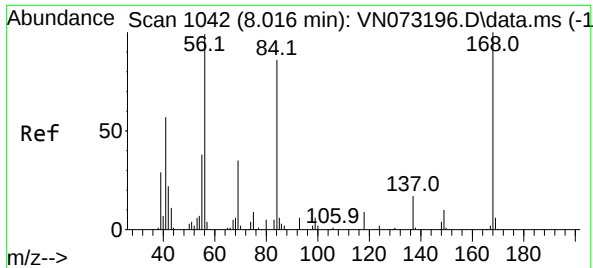
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071222\  
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Quant Time: Jul 13 06:17:37 2022  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 2022  
Response via : Initial Calibration

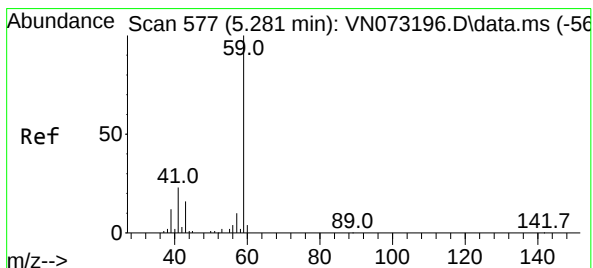
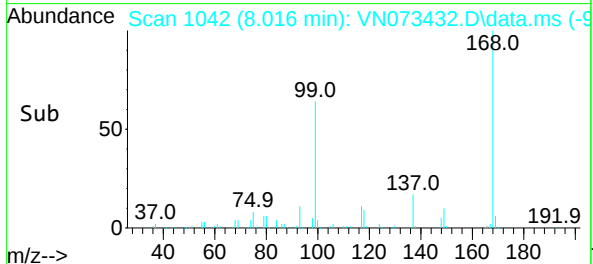
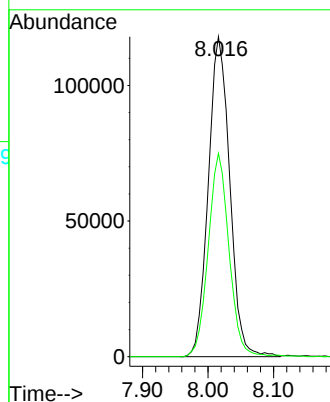
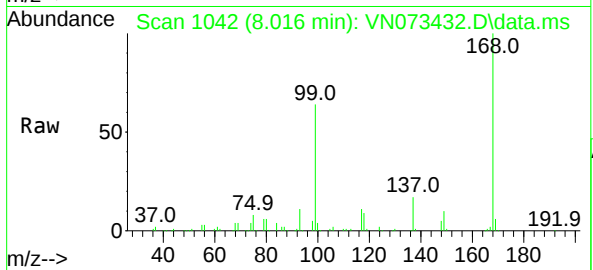




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

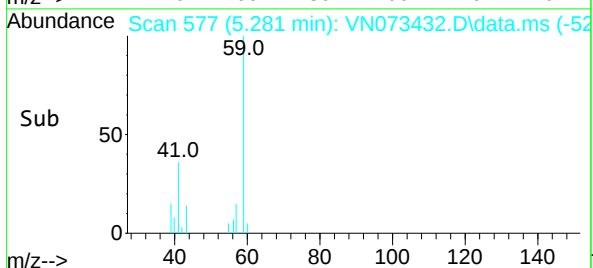
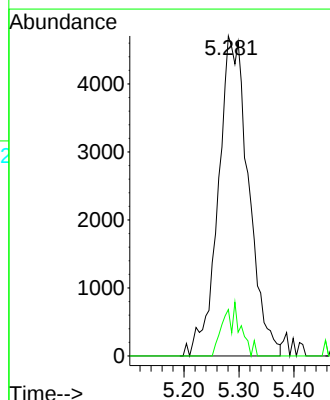
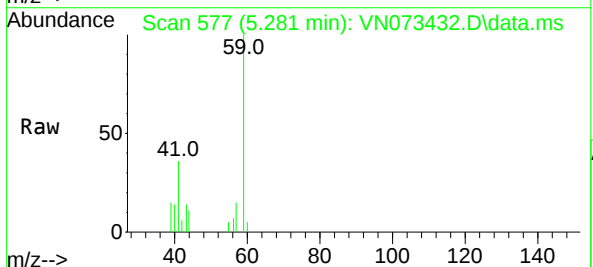
Instrument :  
MSVOA\_N  
ClientSampleId :  
31493DL

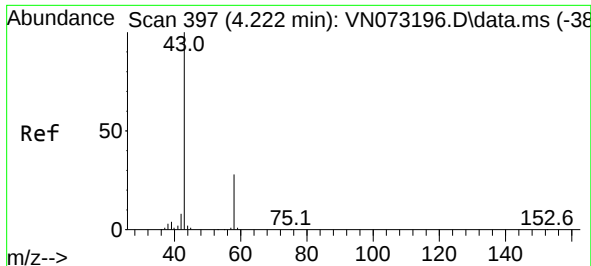
Tgt Ion:168 Resp: 268049  
Ion Ratio Lower Upper  
168 100  
99 63.6 42.3 63.5#



#11  
Tert butyl alcohol  
Concen: 19.265 ug/l  
RT: 5.281 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion: 59 Resp: 18059  
Ion Ratio Lower Upper  
59 100  
57 5.0 8.3 12.5#

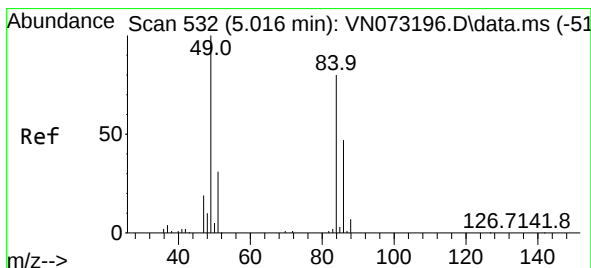
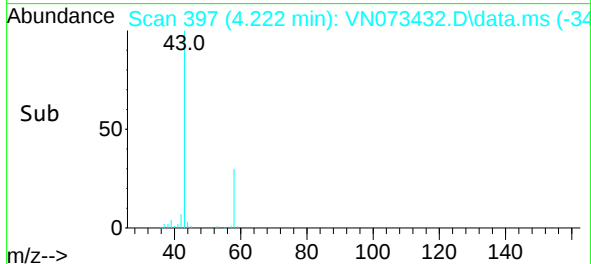
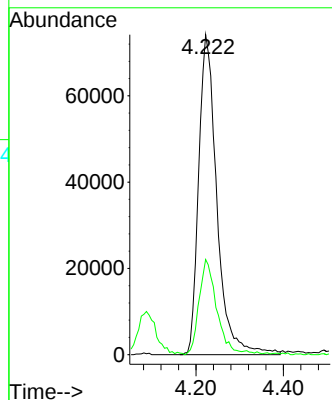
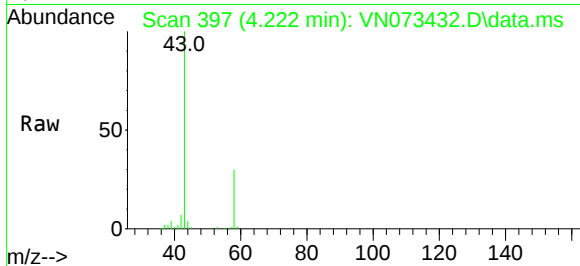




#16  
Acetone  
Concen: 99.110 ug/l  
RT: 4.222 min Scan# 397  
Delta R.T. -0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

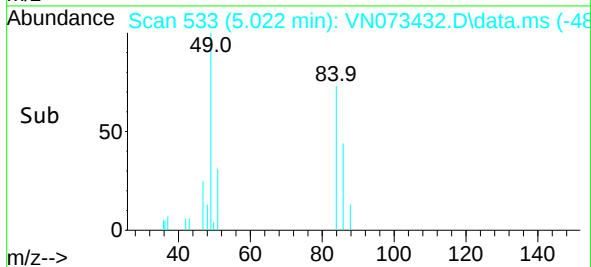
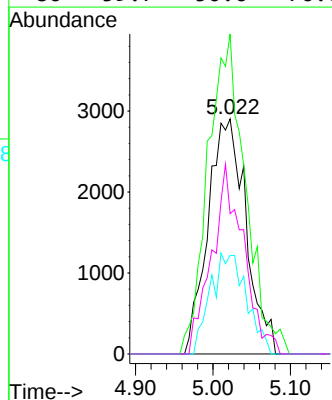
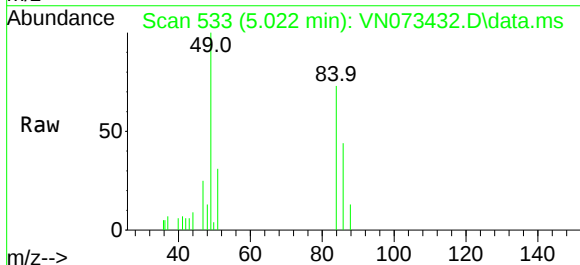
Instrument :  
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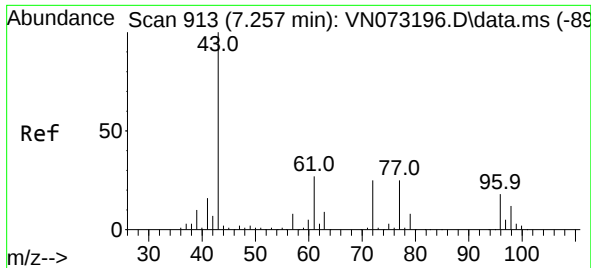
Tgt Ion: 43 Resp: 215274  
Ion Ratio Lower Upper  
43 100  
58 29.5 26.0 39.0



#20  
Methylene Chloride  
Concen: 2.594 ug/l  
RT: 5.022 min Scan# 533  
Delta R.T. 0.006 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion: 84 Resp: 9901  
Ion Ratio Lower Upper  
84 100  
49 136.2 88.3 132.5#  
51 41.9 28.2 42.2  
86 59.7 50.6 76.0

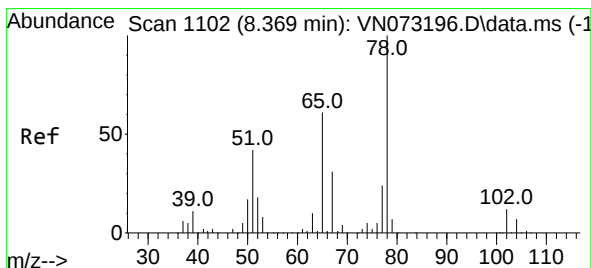
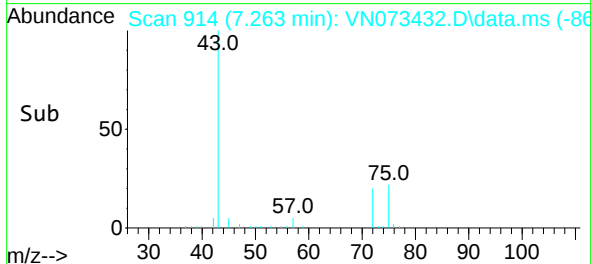
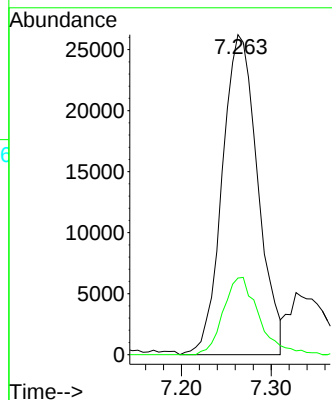
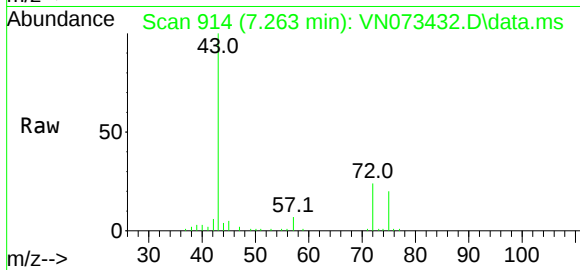




#25  
2-Butanone  
Concen: 20.872 ug/l  
RT: 7.263 min Scan# 913  
Delta R.T. 0.006 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

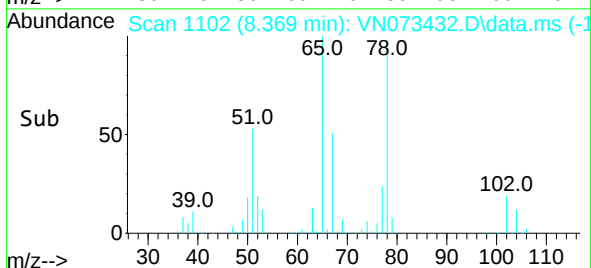
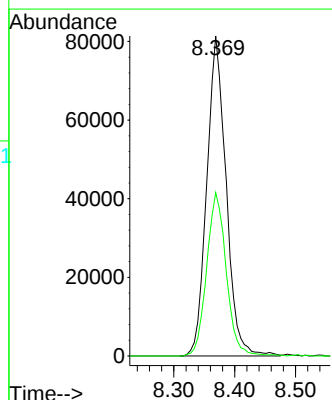
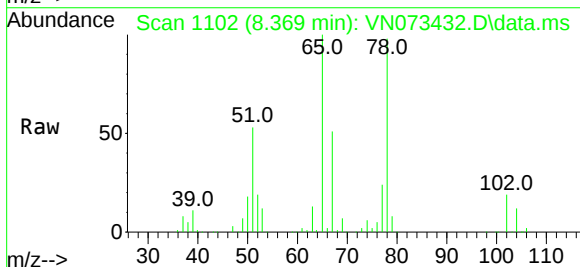
Instrument :  
MSVOA\_N  
ClientSampleId :  
31493DL

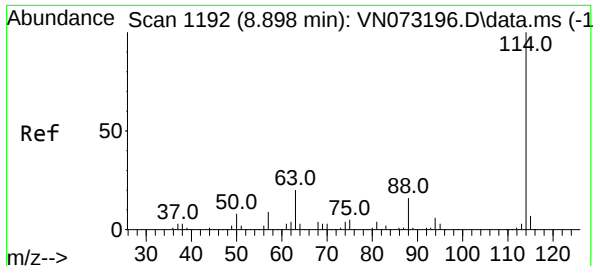
Tgt Ion: 43 Resp: 72179  
Ion Ratio Lower Upper  
43 100  
72 23.9 23.7 35.5



#33  
1,2-Dichloroethane-d4  
Concen: 46.455 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion: 65 Resp: 179760  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073432.D

Acq: 12 Jul 2022 13:19

Instrument :

MSVOA\_N

ClientSampleId :

31493DL

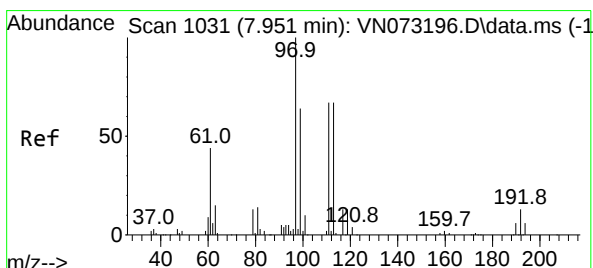
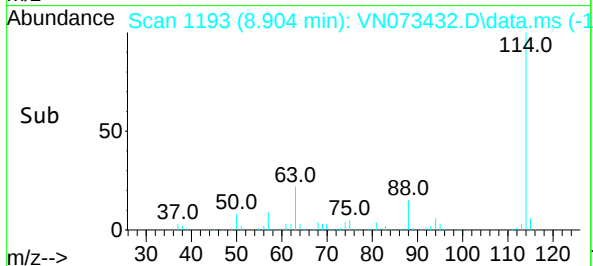
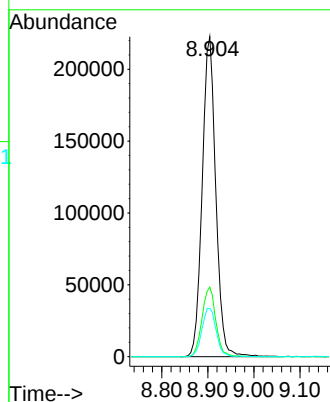
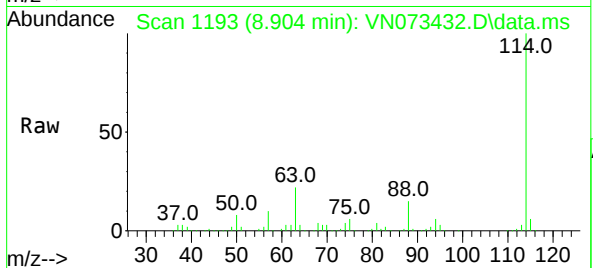
Tgt Ion:114 Resp: 457470

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.227 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073432.D

Acq: 12 Jul 2022 13:19

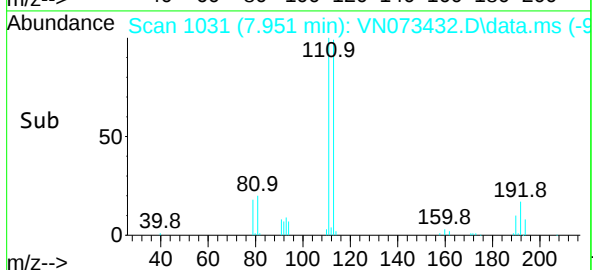
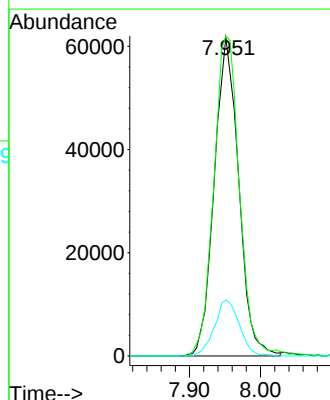
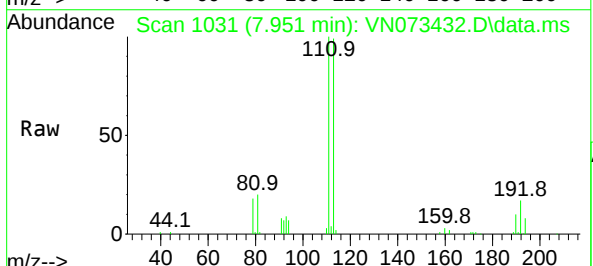
Tgt Ion:113 Resp: 146783

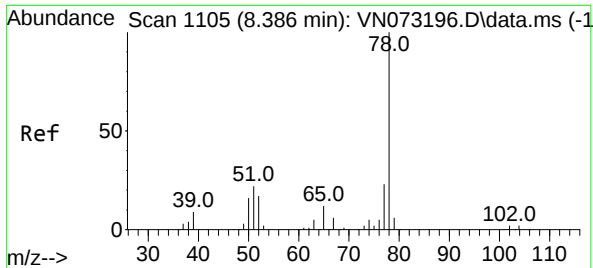
Ion Ratio Lower Upper

113 100

111 106.4 81.4 122.0

192 18.0 17.0 25.6

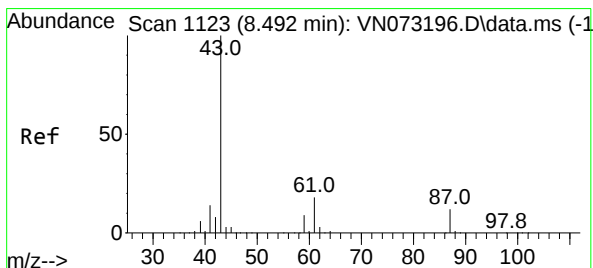
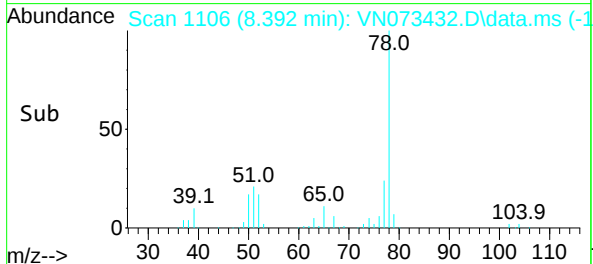
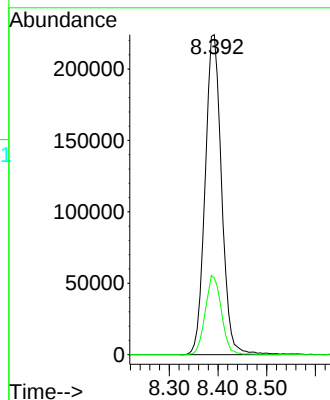
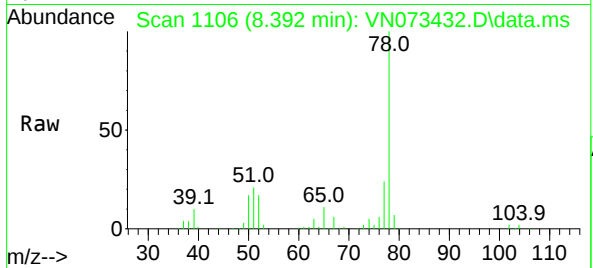




#40  
Benzene  
Concen: 36.298 ug/l  
RT: 8.392 min Scan# 1106  
Delta R.T. 0.006 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

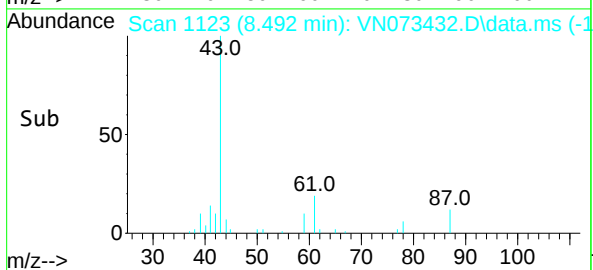
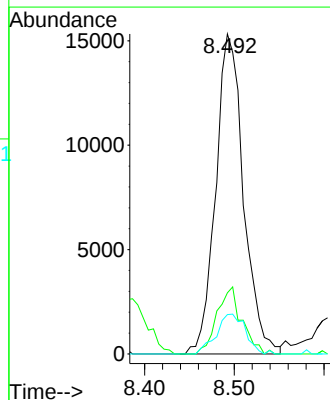
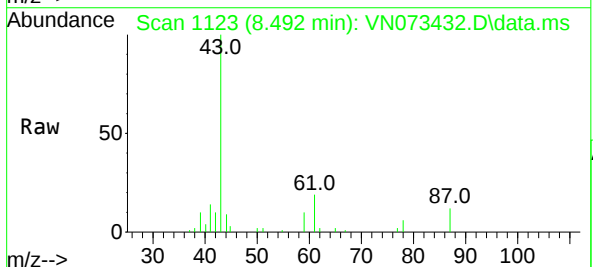
Instrument :  
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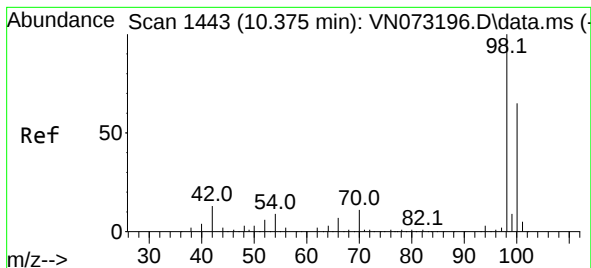
Tgt Ion: 78 Resp: 524618  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.4 29.0



#43  
Isopropyl Acetate  
Concen: 3.246 ug/l  
RT: 8.492 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion: 43 Resp: 33014  
Ion Ratio Lower Upper  
43 100  
61 18.8 21.9 32.9#  
87 13.1 12.0 18.0





#50

Toluene-d8

Concen: 46.236 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073432.D

Acq: 12 Jul 2022 13:19

Instrument :

MSVOA\_N

ClientSampleId :

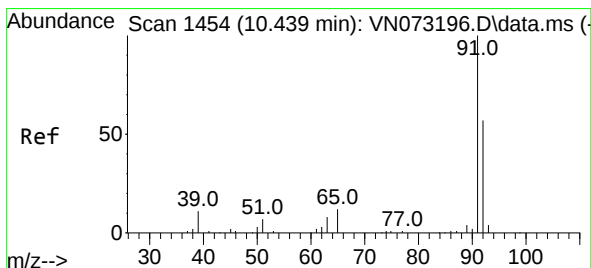
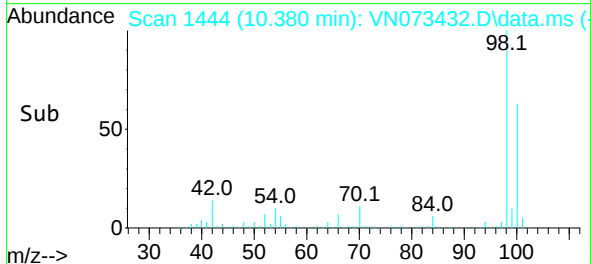
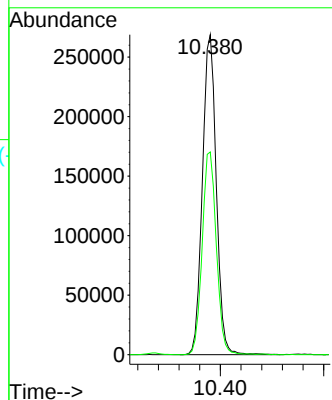
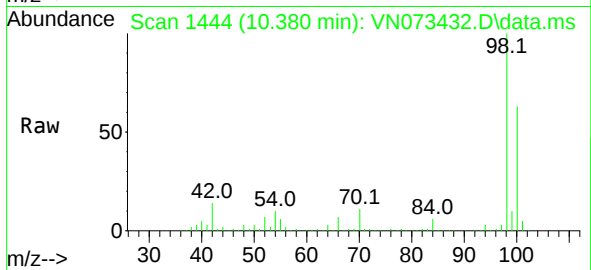
31493DL

Tgt Ion: 98 Resp: 499801

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8



#52

Toluene

Concen: 37.652 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VN073432.D

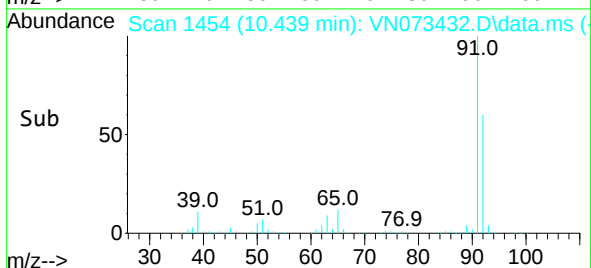
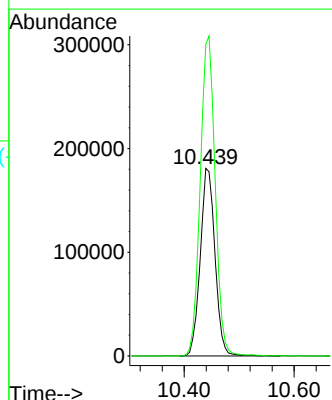
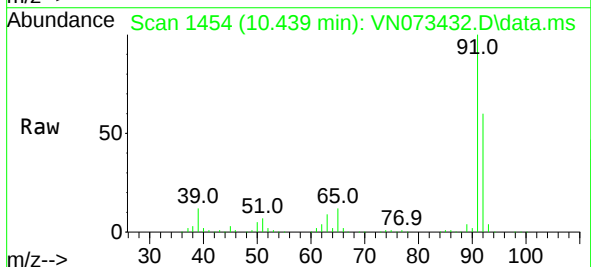
Acq: 12 Jul 2022 13:19

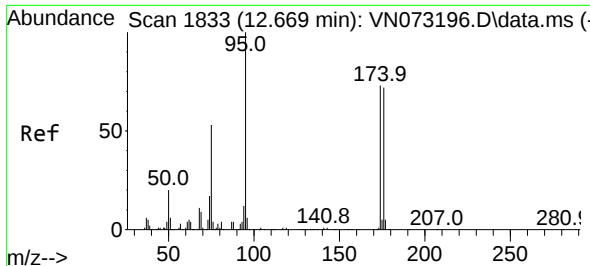
Tgt Ion: 92 Resp: 336307

Ion Ratio Lower Upper

92 100

91 172.9 138.6 207.8

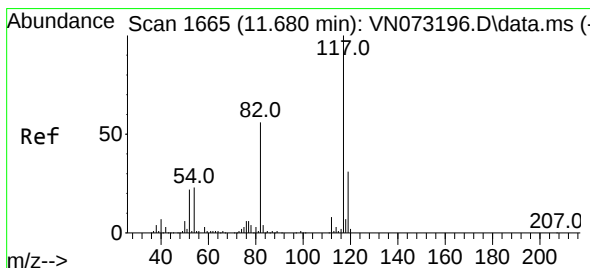
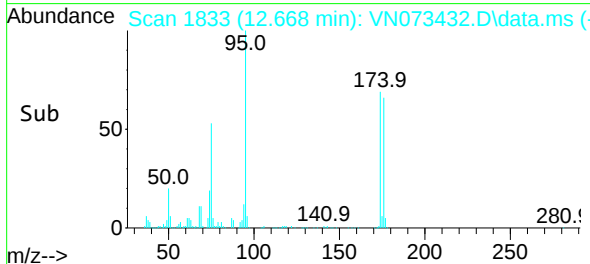
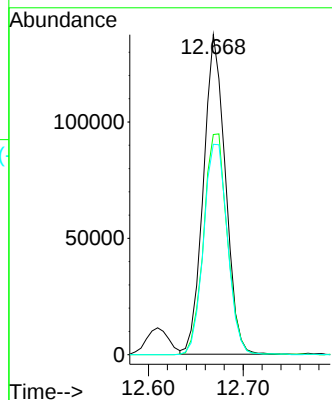
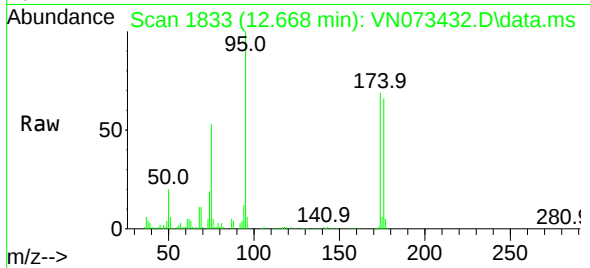




#62  
4-Bromofluorobenzene  
Concen: 53.257 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. -0.001 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

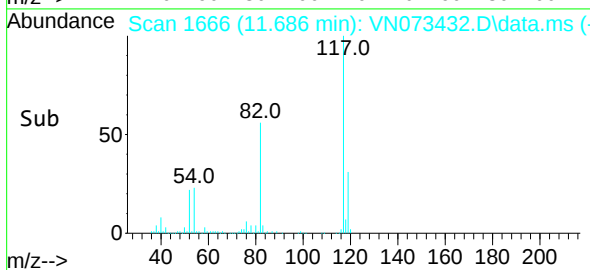
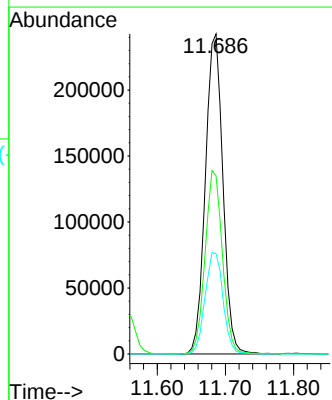
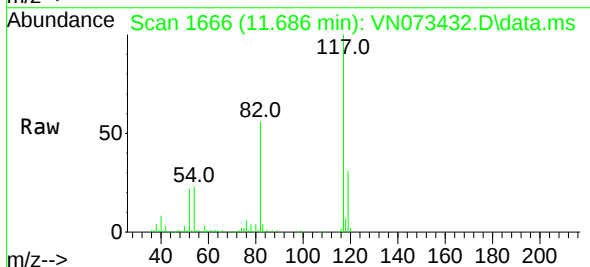
Instrument :  
MSVOA\_N  
ClientSampleId :  
31493DL

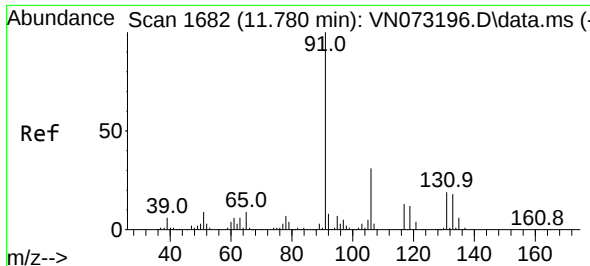
Tgt Ion: 95 Resp: 221239  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 167.6  
176 71.8 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.006 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion: 117 Resp: 433046  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.2 66.2  
119 31.4 25.4 38.0

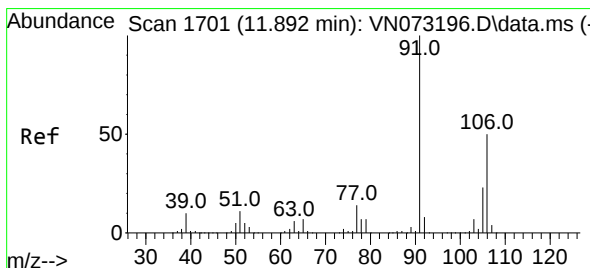
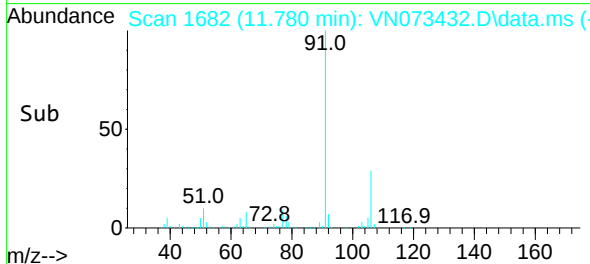
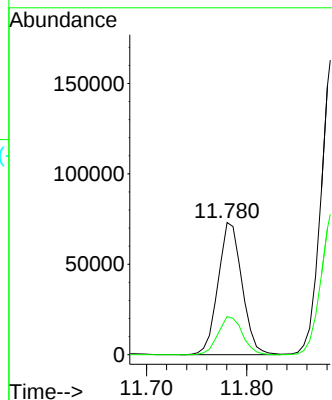
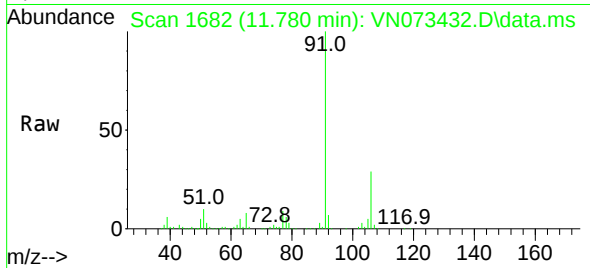




#67  
Ethyl Benzene  
Concen: 6.817 ug/l  
RT: 11.780 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

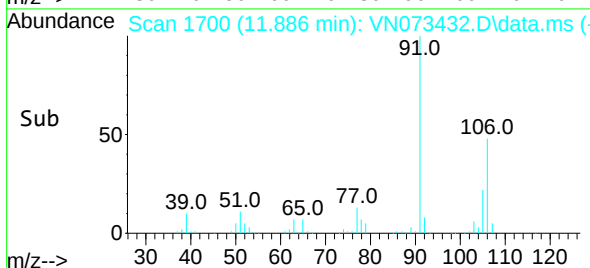
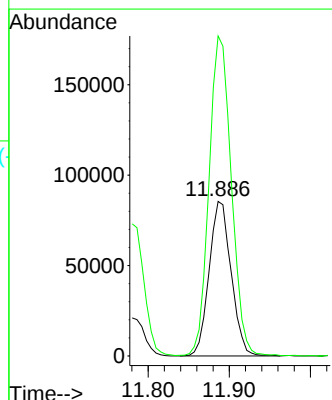
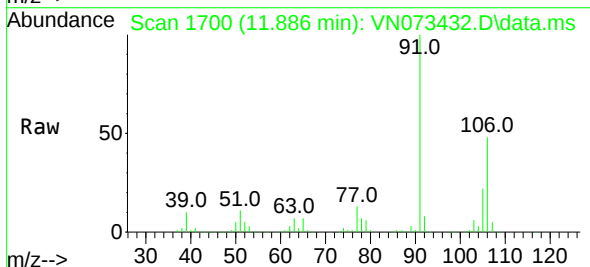
Instrument :  
MSVOA\_N  
ClientSampleId :  
31493DL

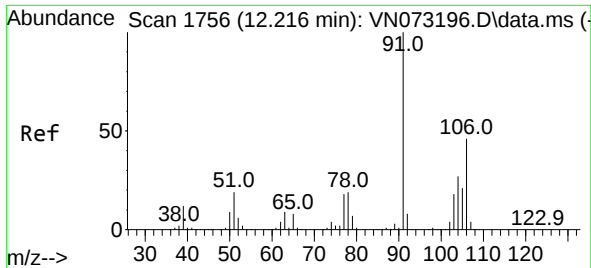
Tgt Ion: 91 Resp: 121209  
Ion Ratio Lower Upper  
91 100  
106 28.8 24.9 37.3



#68  
m/p-Xylenes  
Concen: 23.978 ug/l  
RT: 11.886 min Scan# 1700  
Delta R.T. -0.006 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion:106 Resp: 160901  
Ion Ratio Lower Upper  
106 100  
91 209.5 158.9 238.3

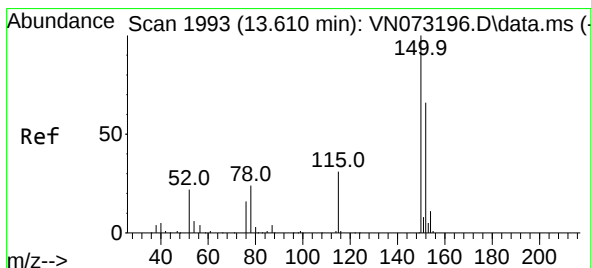
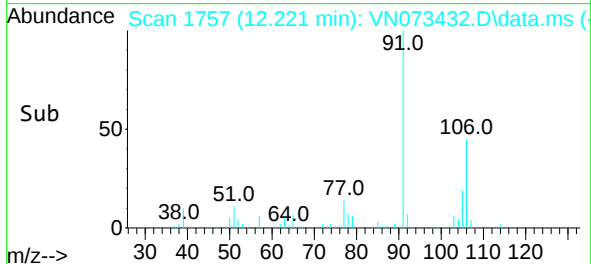
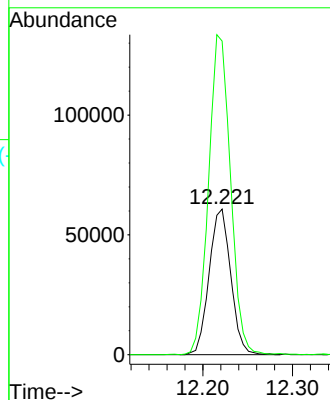
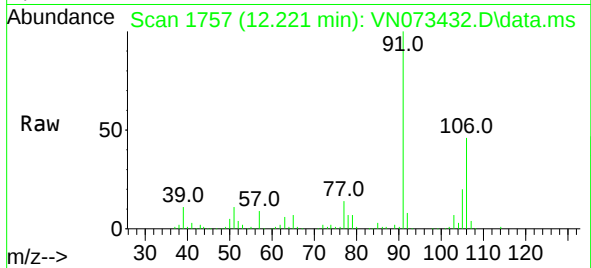




#69  
o-Xylene  
Concen: 14.855 ug/l  
RT: 12.221 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

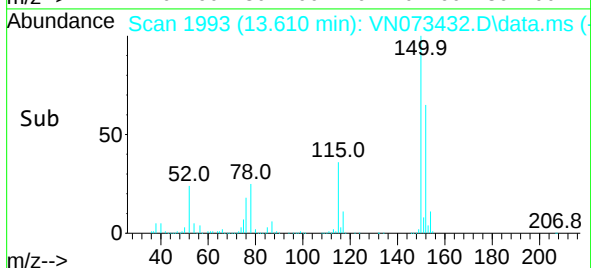
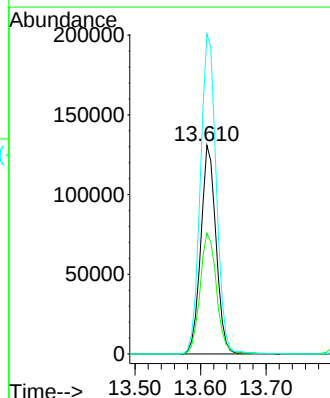
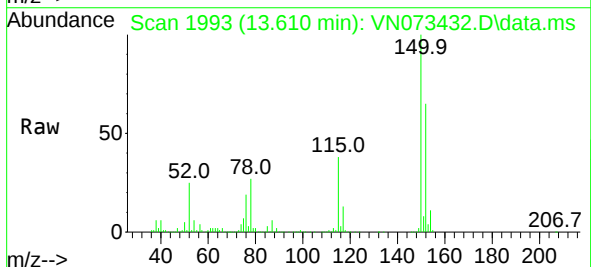
Instrument :  
MSVOA\_N  
ClientSampleId :  
31493DL

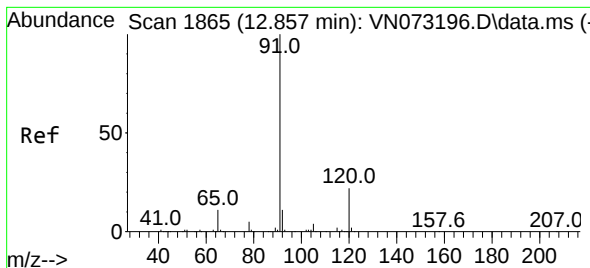
Tgt Ion:106 Resp: 101762  
Ion Ratio Lower Upper  
106 100  
91 223.4 106.0 318.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.610 min Scan# 1993  
Delta R.T. -0.000 min  
Lab File: VN073432.D  
Acq: 12 Jul 2022 13:19

Tgt Ion:152 Resp: 212601  
Ion Ratio Lower Upper  
152 100  
115 62.9 28.9 86.7  
150 159.2 0.0 356.2





#78

n-propylbenzene

Concen: 1.108 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.000 min

Lab File: VN073432.D

Acq: 12 Jul 2022 13:19

Instrument :

MSVOA\_N

ClientSampleId :

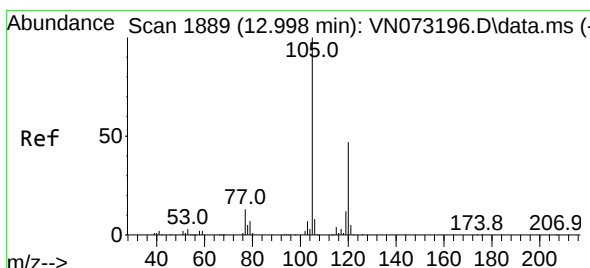
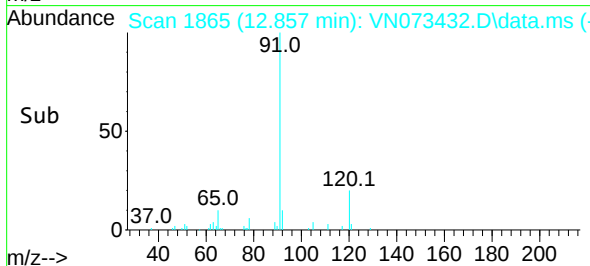
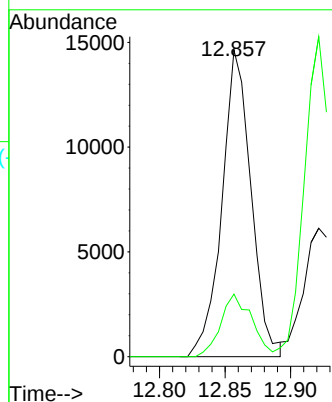
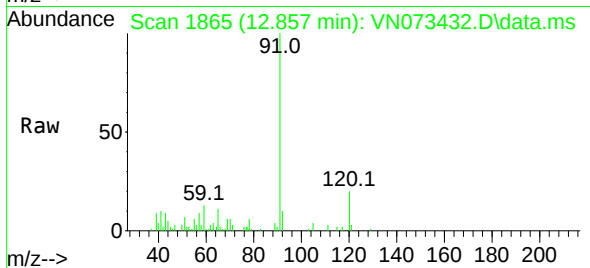
31493DL

Tgt Ion: 91 Resp: 22588

Ion Ratio Lower Upper

91 100

120 21.7 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 2.500 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073432.D

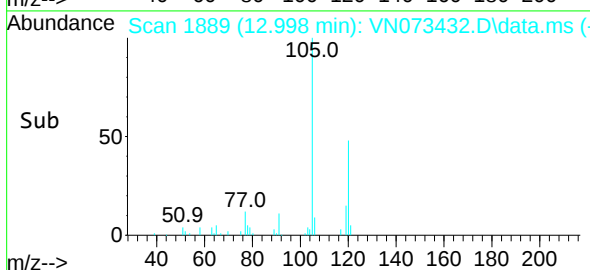
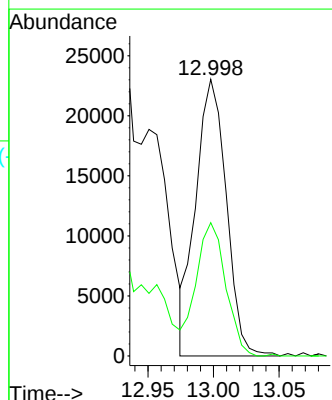
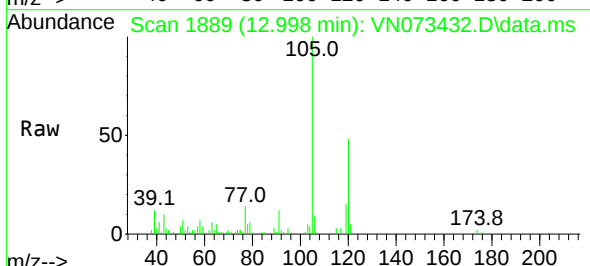
Acq: 12 Jul 2022 13:19

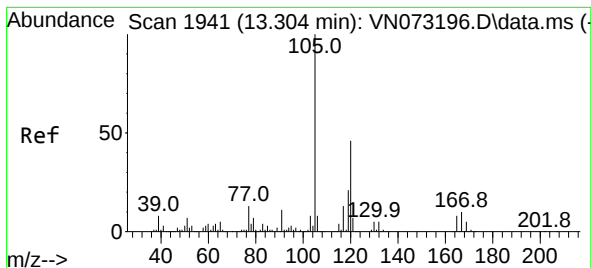
Tgt Ion: 105 Resp: 37412

Ion Ratio Lower Upper

105 100

120 46.7 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 11.624 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073432.D

Acq: 12 Jul 2022 13:19

Instrument :

MSVOA\_N

ClientSampleId :

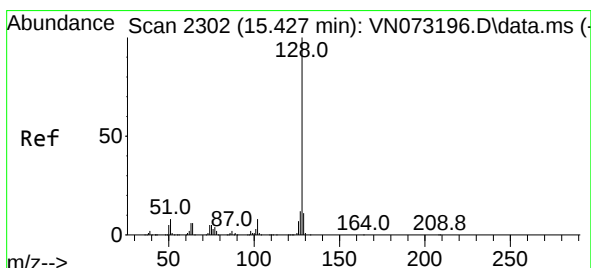
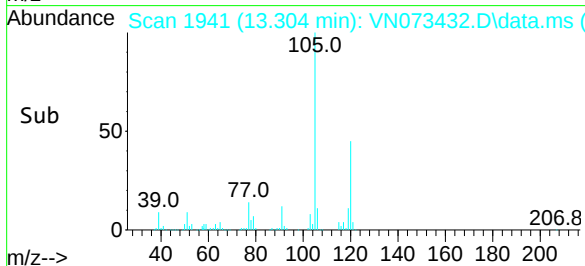
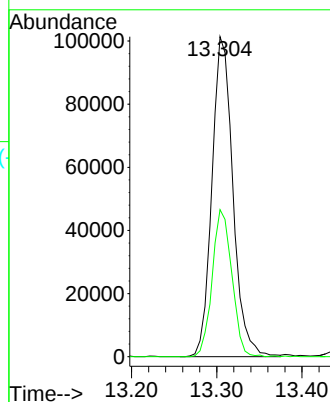
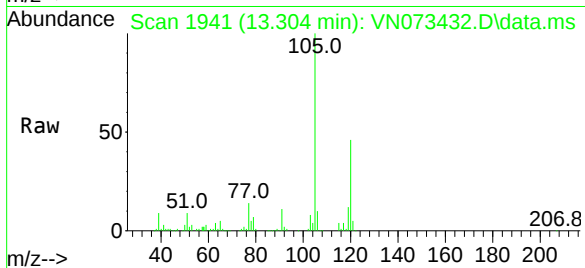
31493DL

Tgt Ion:105 Resp: 173669

Ion Ratio Lower Upper

105 100

120 43.0 23.3 69.8



#95

Naphthalene

Concen: 8.529 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073432.D

Acq: 12 Jul 2022 13:19

Tgt Ion:128 Resp: 139744

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.5 8.6 13.0

