

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120622\  
 Data File : VN075586.D  
 Acq On : 06 Dec 2022 15:50  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Dec 07 00:15:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

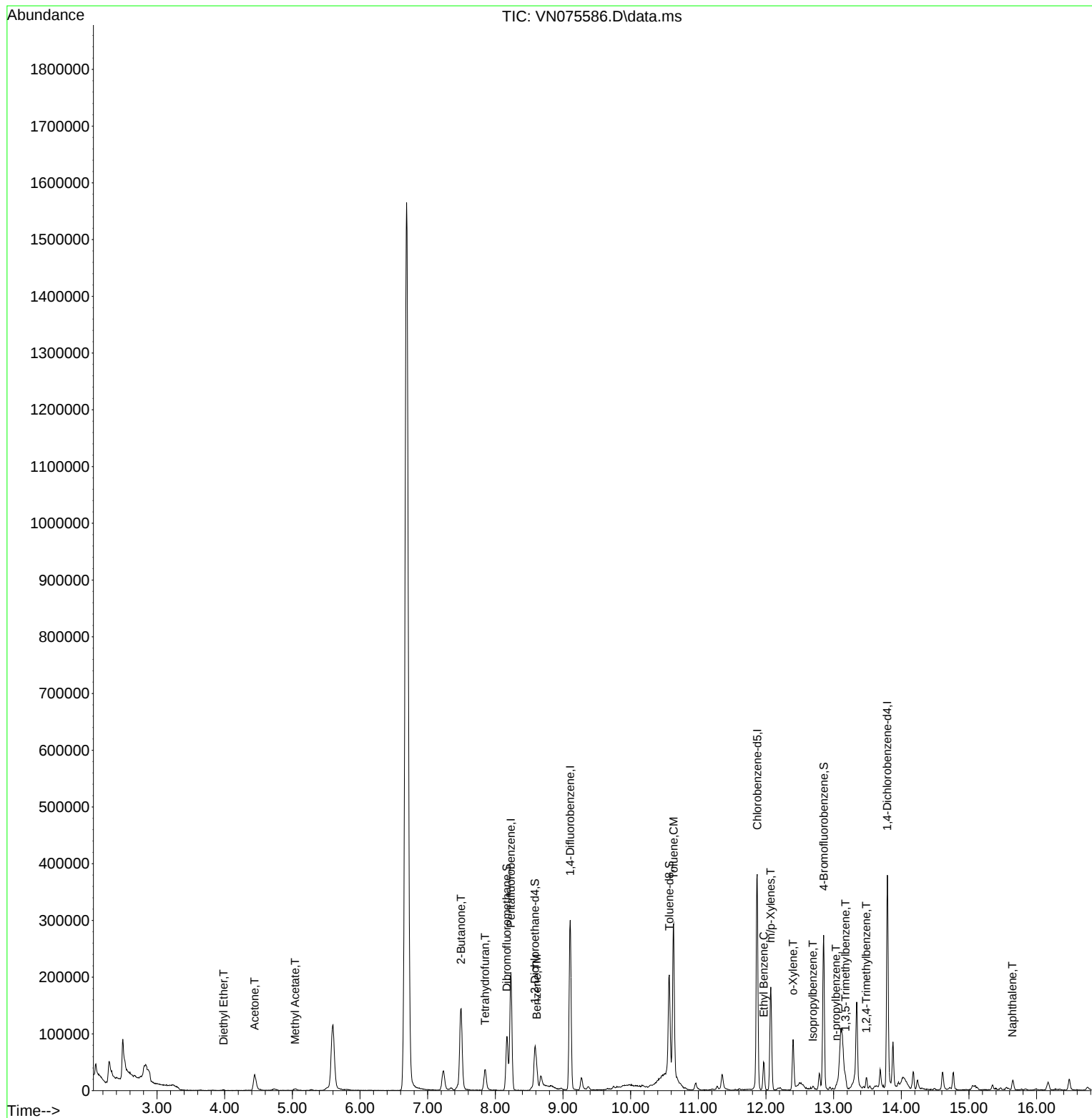
| Compound                    | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                       |                |      |                      |         |        |          |
| Internal Standards          |                |      |                      |         |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 163029               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 281336               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870         | 117  | 237474               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 107218               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                      |         |        |          |
| System Monitoring Compounds |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582          | 65   | 55349                | 63.248  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 126.500%# |         |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 66494                | 60.166  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 120.340%  |         |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 119244               | 47.905  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 95.820%   |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 90961                | 49.508  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 99.020%   |         |        |          |
|                             |                |      |                      |         |        |          |
| Target Compounds            |                |      |                      |         | Qvalue |          |
| 8) Diethyl Ether            | 3.983          | 74   | 668                  | 0.682   | ug/l   | 77       |
| 16) Acetone                 | 4.442          | 43   | 51340                | 62.896  | ug/l   | 96       |
| 18) Methyl Acetate          | 5.042          | 43   | 5959                 | 1.643   | ug/l # | 85       |
| 25) 2-Butanone              | 7.494          | 43   | 228903               | 200.860 | ug/l   | 98       |
| 29) Tetrahydrofuran         | 7.847          | 42   | 27459                | 39.612  | ug/l   | 97       |
| 40) Benzene                 | 8.612          | 78   | 36662                | 4.968   | ug/l   | 96       |
| 52) Toluene                 | 10.635         | 92   | 123752               | 26.025  | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.965         | 91   | 37651                | 4.500   | ug/l   | 98       |
| 68) m/p-Xylenes             | 12.070         | 106  | 62766                | 18.473  | ug/l   | 100      |
| 69) o-Xylene                | 12.400         | 106  | 26376                | 7.813   | ug/l   | 100      |
| 73) Isopropylbenzene        | 12.694         | 105  | 3622                 | 0.462   | ug/l   | 97       |
| 78) n-propylbenzene         | 13.035         | 91   | 4887                 | 0.559   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 13.176         | 105  | 6216                 | 0.955   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.482         | 105  | 12816                | 1.963   | ug/l   | 98       |
| 95) Naphthalene             | 15.641         | 128  | 5918                 | 1.028   | ug/l # | 96       |
| -----                       |                |      |                      |         |        |          |

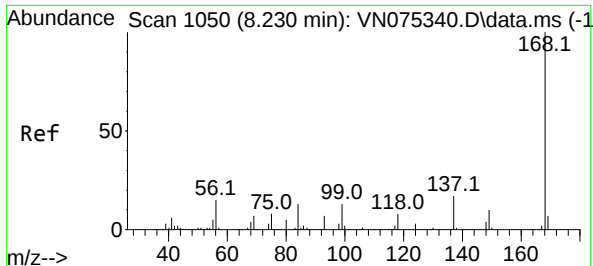
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Dec 07 00:15:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 23 00:18:03 2022  
Response via : Initial Calibration

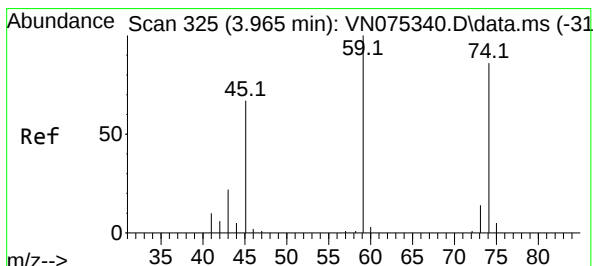
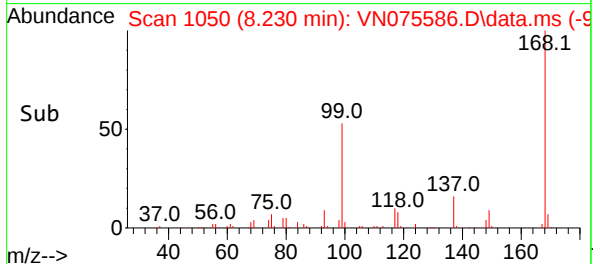
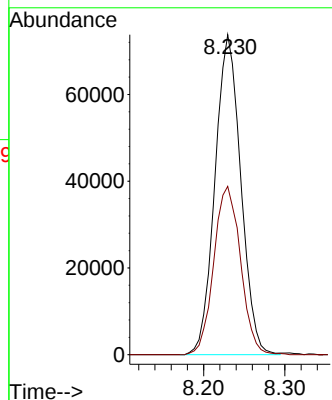
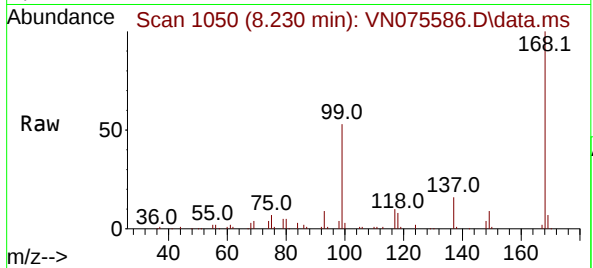




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

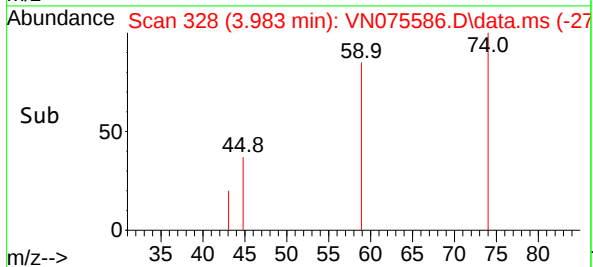
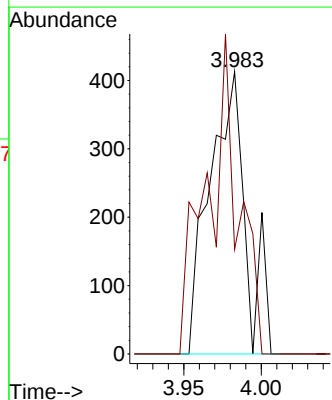
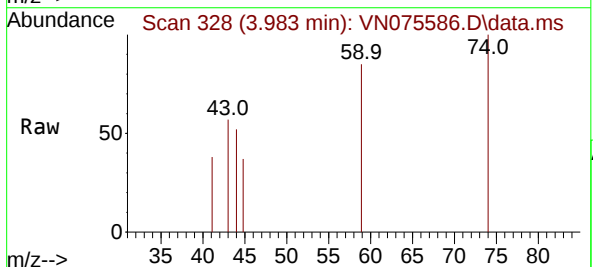
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

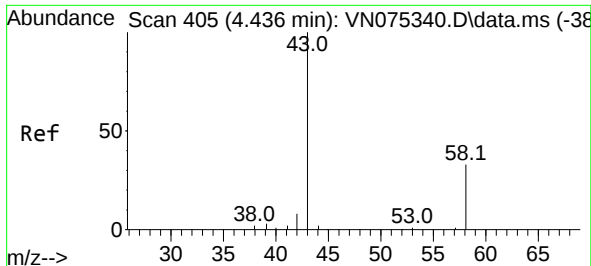
Tgt Ion:168 Resp: 163029  
Ion Ratio Lower Upper  
168 100  
99 52.6 51.6 77.4



#8  
Diethyl Ether  
Concen: 0.682 ug/l  
RT: 3.983 min Scan# 328  
Delta R.T. 0.018 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Tgt Ion: 74 Resp: 668  
Ion Ratio Lower Upper  
74 100  
45 98.4 39.3 117.9





#16

Acetone

Concen: 62.896 ug/l

RT: 4.442 min Scan# 405

Delta R.T. 0.006 min

Lab File: VN075586.D

Acq: 06 Dec 2022 15:50

Instrument :

MSVOA\_N

ClientSampleId :

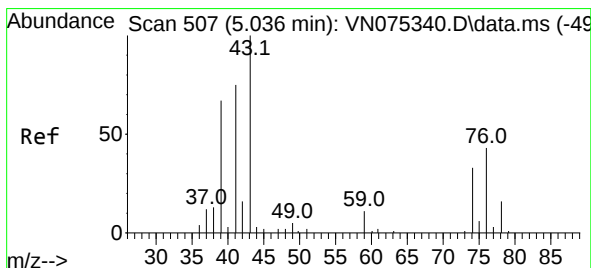
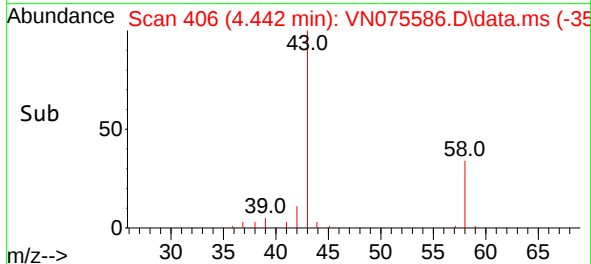
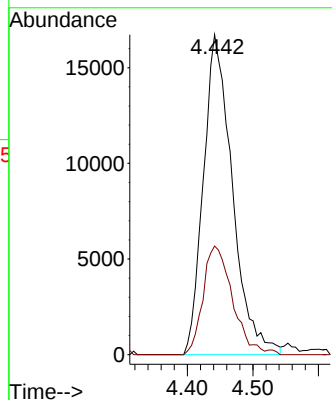
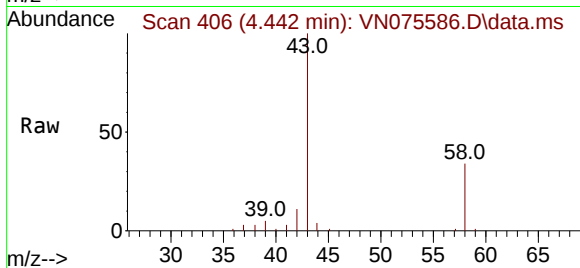
IBLK

Tgt Ion: 43 Resp: 51340

Ion Ratio Lower Upper

43 100

58 33.9 25.5 38.3



#18

Methyl Acetate

Concen: 1.643 ug/l

RT: 5.042 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN075586.D

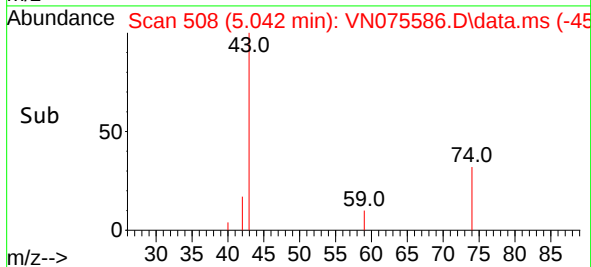
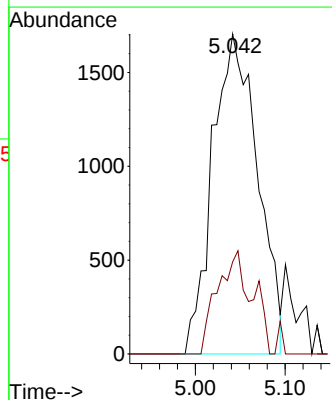
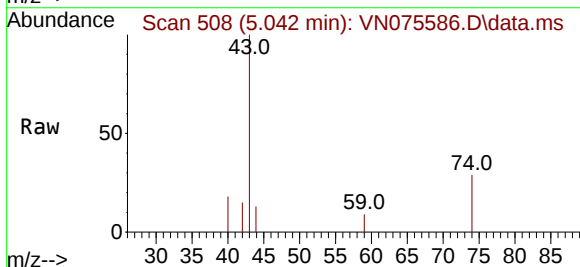
Acq: 06 Dec 2022 15:50

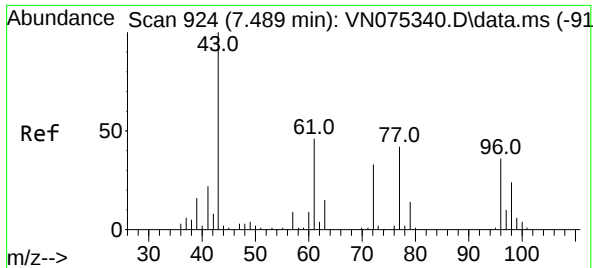
Tgt Ion: 43 Resp: 5959

Ion Ratio Lower Upper

43 100

74 19.4 22.0 33.0#





#25

2-Butanone

Concen: 200.860 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075586.D

Acq: 06 Dec 2022 15:50

Instrument :

MSVOA\_N

ClientSampleId :

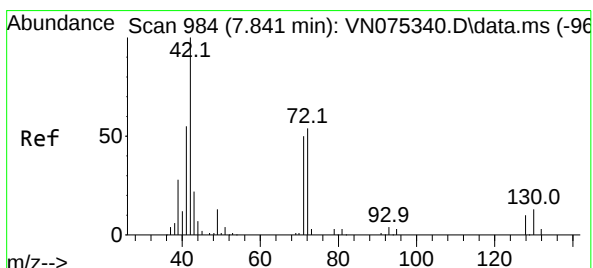
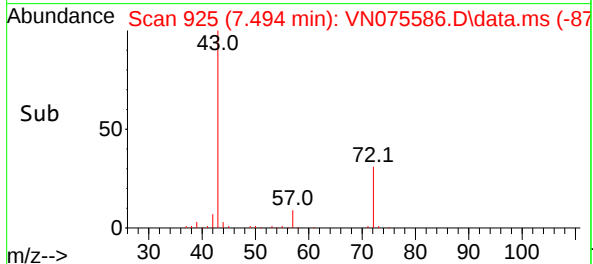
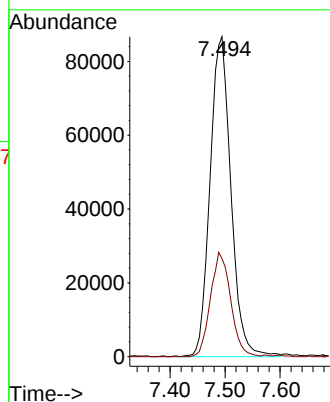
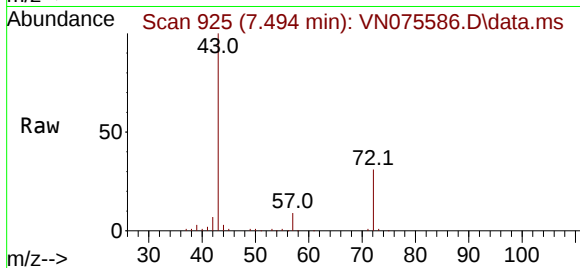
IBLK

Tgt Ion: 43 Resp: 228903

Ion Ratio Lower Upper

43 100

72 30.6 25.5 38.3



#29

Tetrahydrofuran

Concen: 39.612 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN075586.D

Acq: 06 Dec 2022 15:50

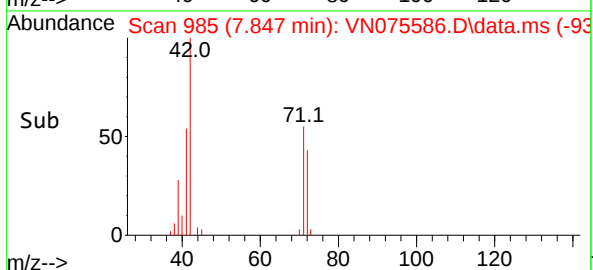
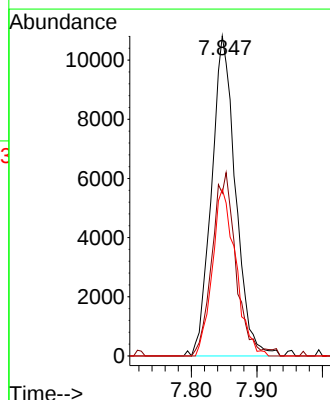
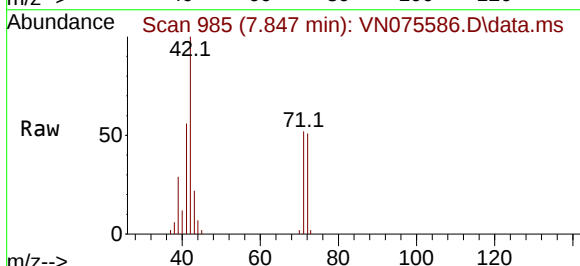
Tgt Ion: 42 Resp: 27459

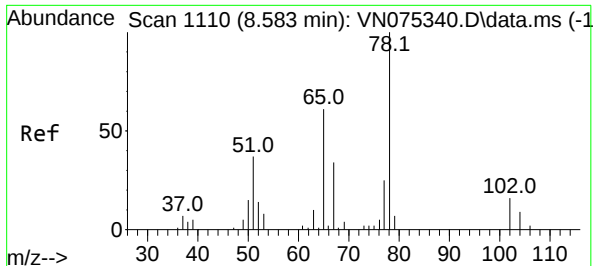
Ion Ratio Lower Upper

42 100

72 56.8 43.0 64.6

71 51.1 39.9 59.9





#33

1,2-Dichloroethane-d4

Concen: 63.248 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075586.D

Acq: 06 Dec 2022 15:50

Instrument :

MSVOA\_N

ClientSampleId :

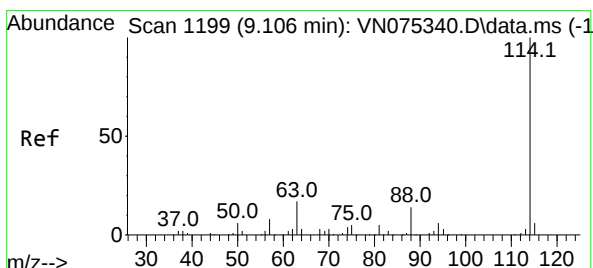
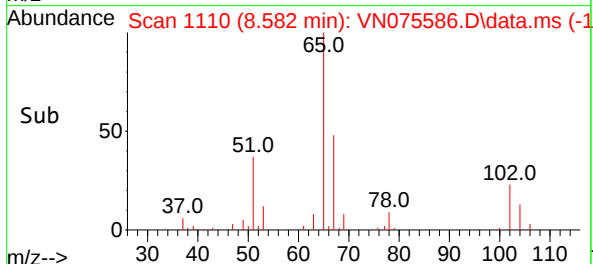
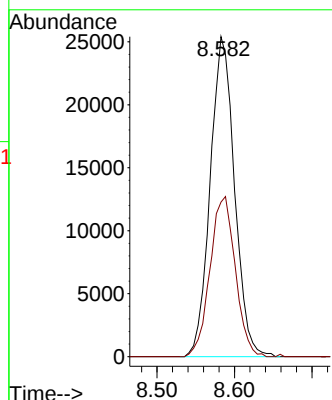
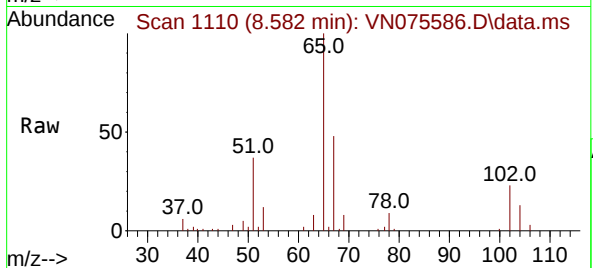
IBLK

Tgt Ion: 65 Resp: 55349

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075586.D

Acq: 06 Dec 2022 15:50

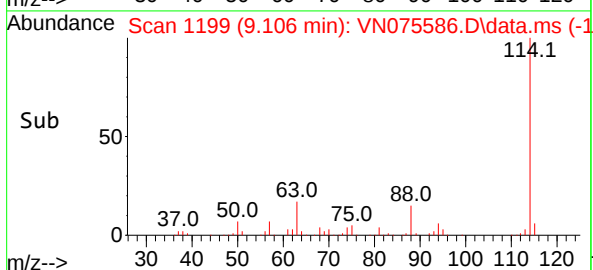
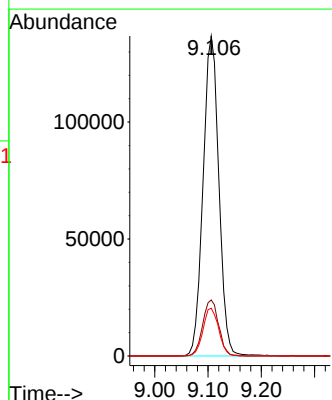
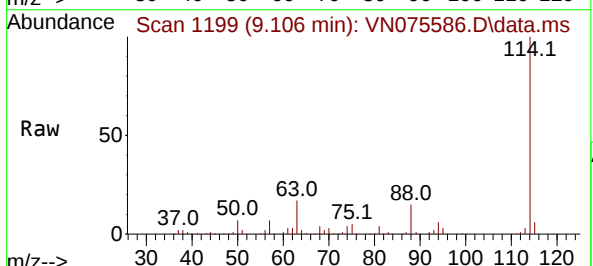
Tgt Ion: 114 Resp: 281336

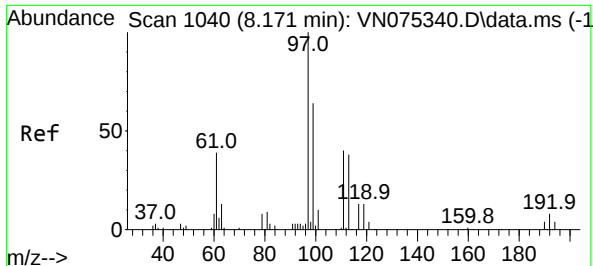
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 60.166 ug/l

RT: 8.171 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VN075586.D

Acq: 06 Dec 2022 15:50

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

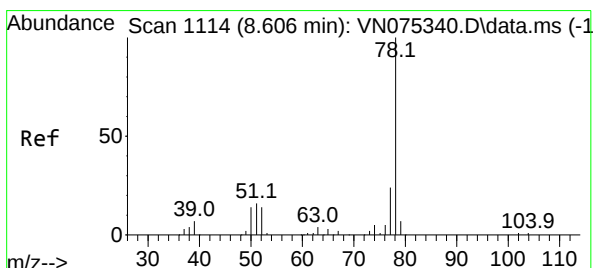
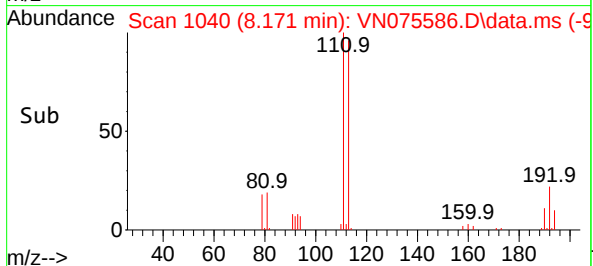
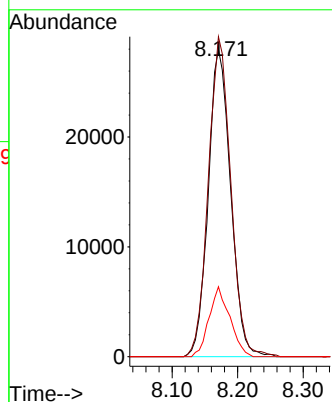
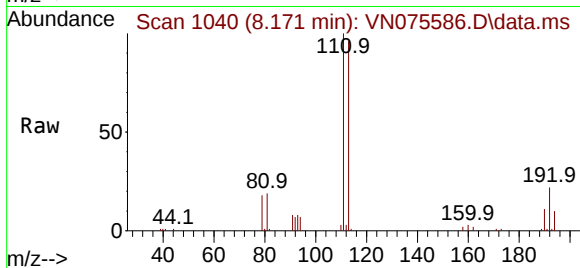
Tgt Ion:113 Resp: 66494

Ion Ratio Lower Upper

113 100

111 104.1 80.5 120.7

192 21.1 13.2 19.8#



#40

Benzene

Concen: 4.968 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075586.D

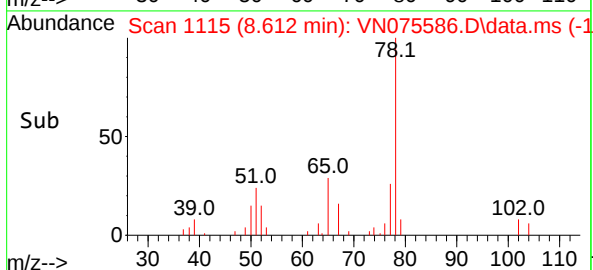
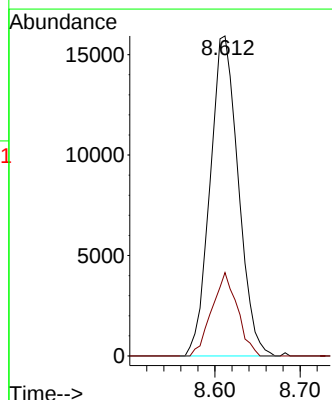
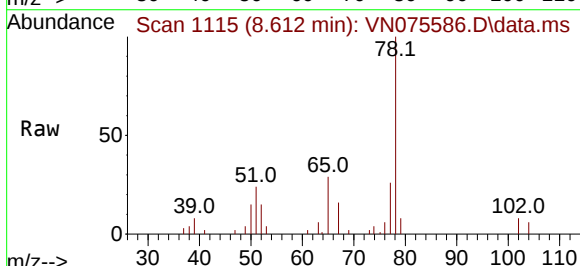
Acq: 06 Dec 2022 15:50

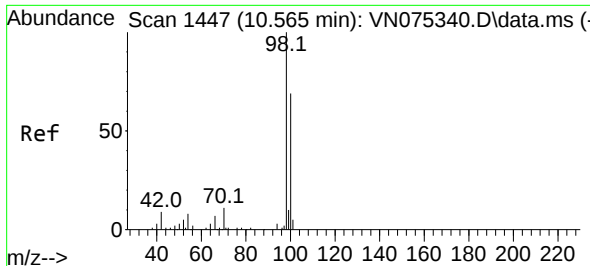
Tgt Ion: 78 Resp: 36662

Ion Ratio Lower Upper

78 100

77 26.0 19.4 29.0

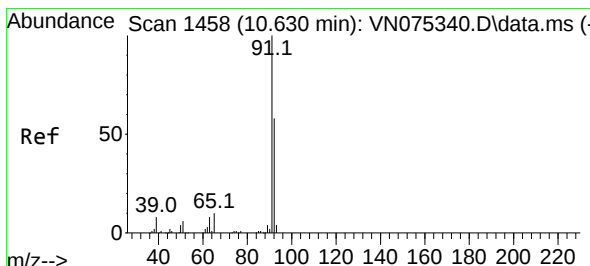
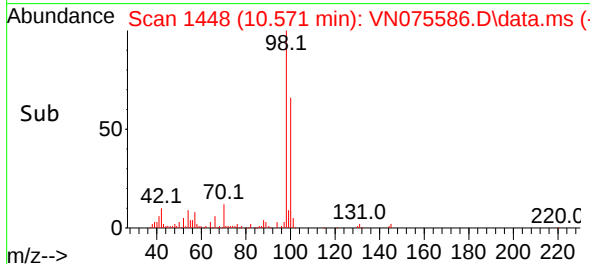
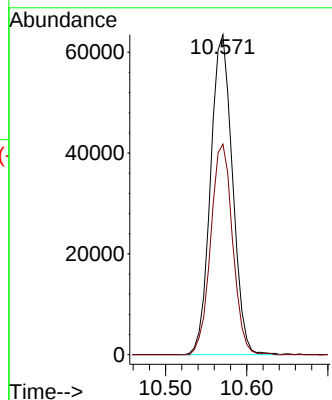
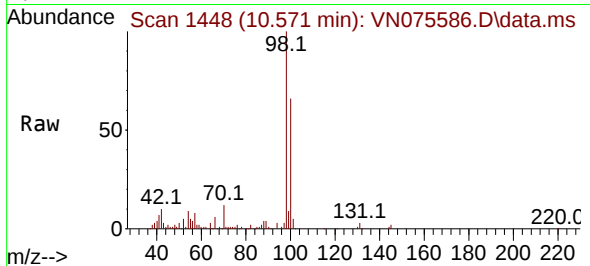




#50  
Toluene-d8  
Concen: 47.905 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

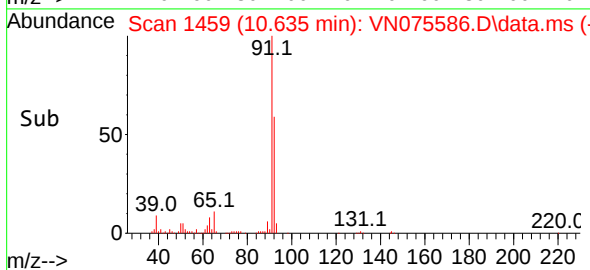
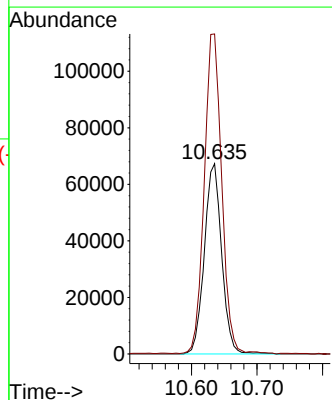
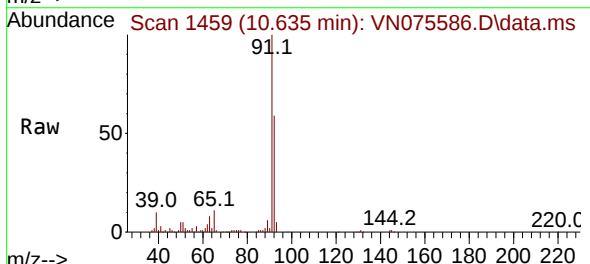
Instrument :  
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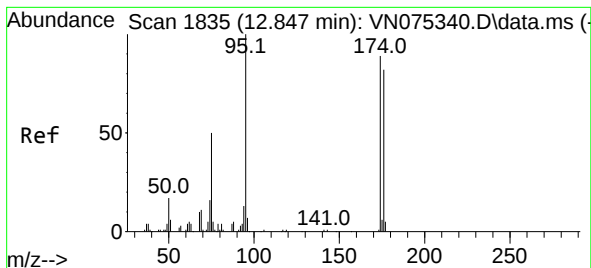
Tgt Ion: 98 Resp: 119244  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.0 79.6



#52  
Toluene  
Concen: 26.025 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.005 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Tgt Ion: 92 Resp: 123752  
Ion Ratio Lower Upper  
92 100  
91 170.0 135.4 203.2

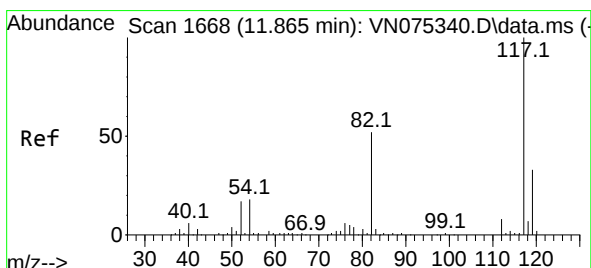
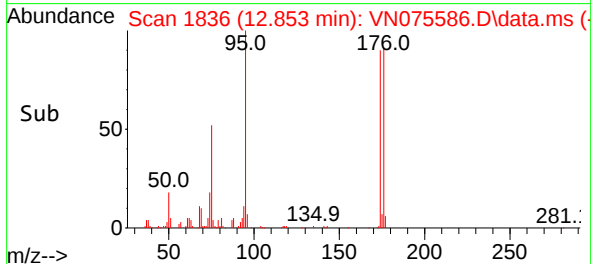
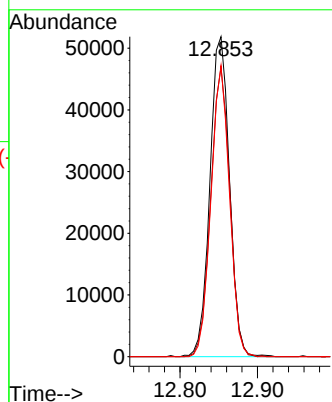
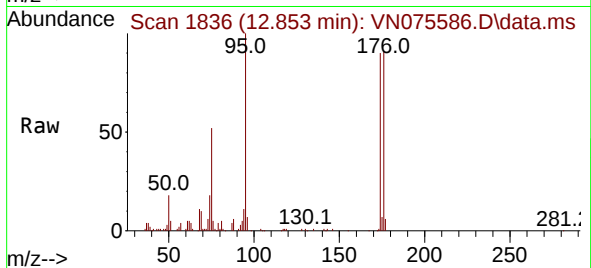




#62  
4-Bromofluorobenzene  
Concen: 49.508 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

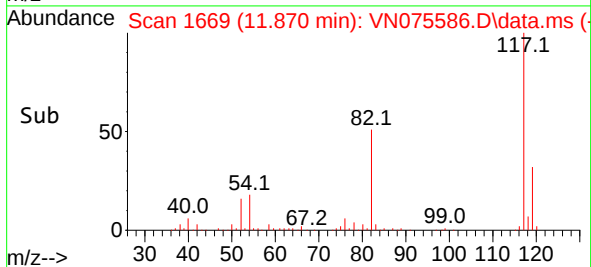
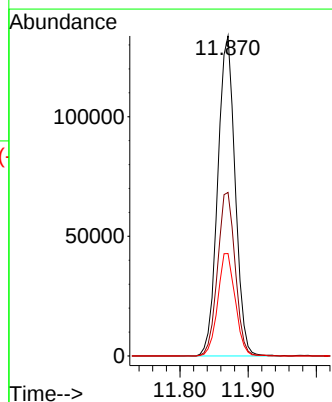
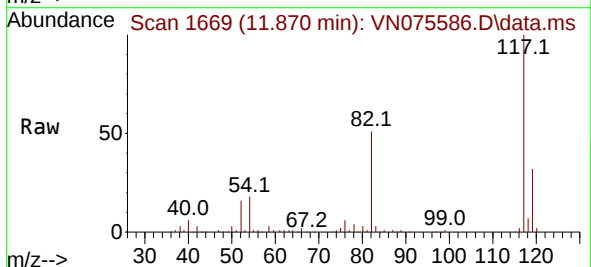
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

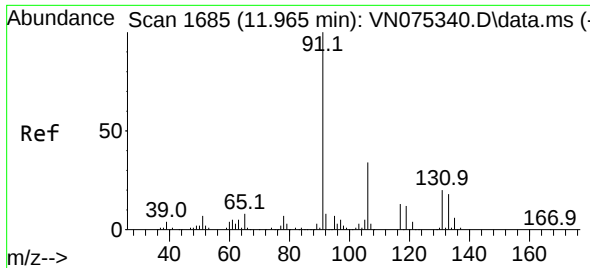
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Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 147.4  
176 85.9 0.0 142.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. 0.005 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Tgt Ion: 117 Resp: 237474  
Ion Ratio Lower Upper  
117 100  
82 51.1 43.1 64.7  
119 32.0 25.5 38.3

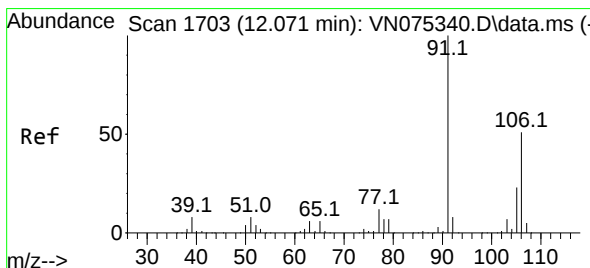
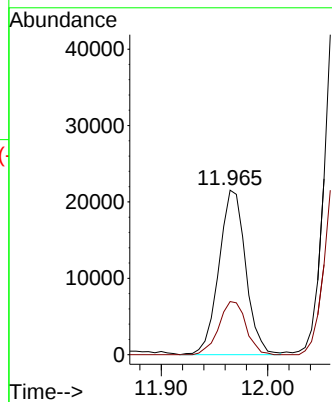
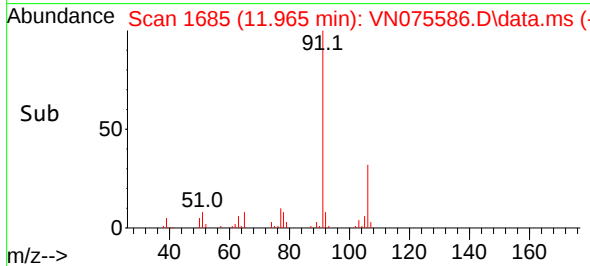
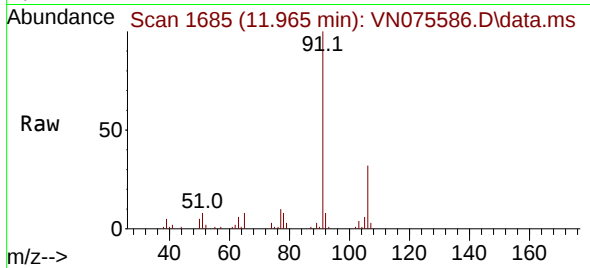




#67  
Ethyl Benzene  
Concen: 4.500 ug/l  
RT: 11.965 min Scan# 1196  
Delta R.T. -0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

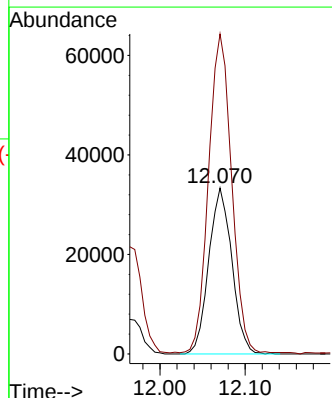
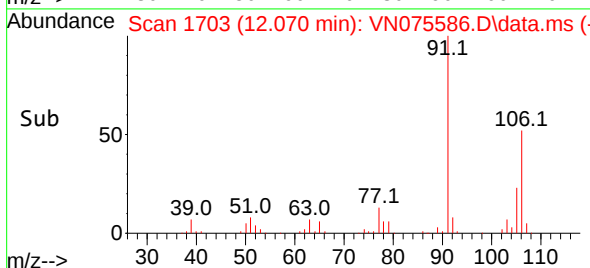
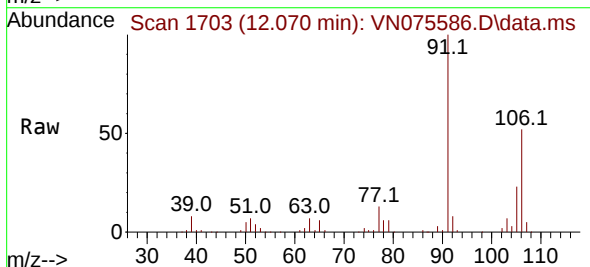
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

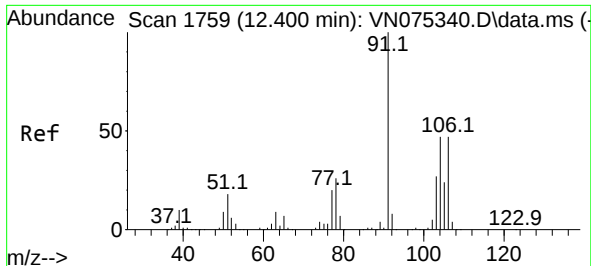
Tgt Ion: 91 Resp: 37651  
Ion Ratio Lower Upper  
91 100  
106 32.3 24.9 37.3



#68  
m/p-Xylenes  
Concen: 18.473 ug/l  
RT: 12.070 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Tgt Ion:106 Resp: 62766  
Ion Ratio Lower Upper  
106 100  
91 194.8 156.0 234.0

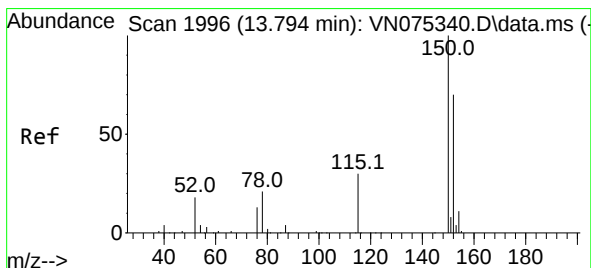
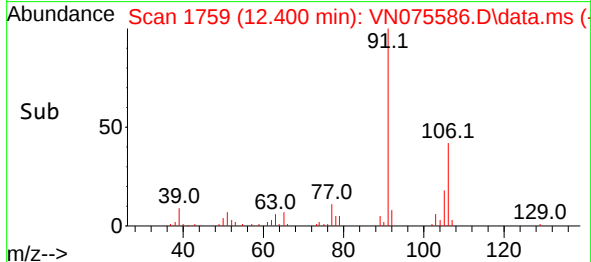
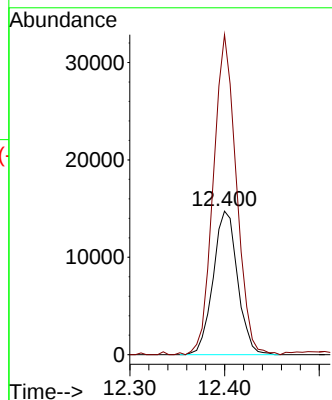
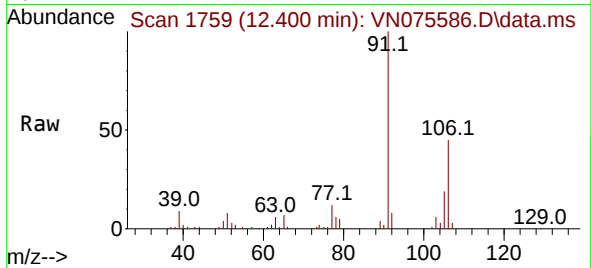




#69  
o-Xylene  
Concen: 7.813 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

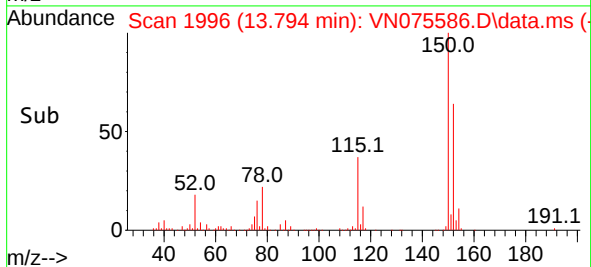
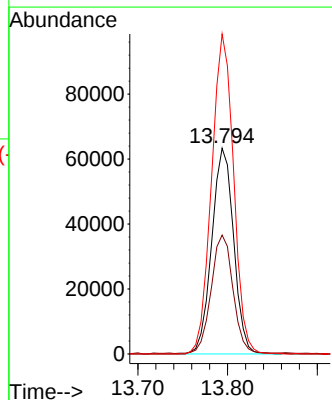
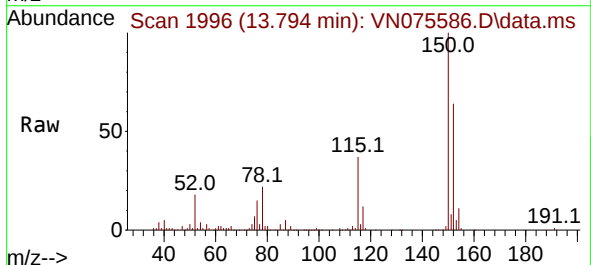
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MSVOA\_N  
ClientSampleId :  
IBLK

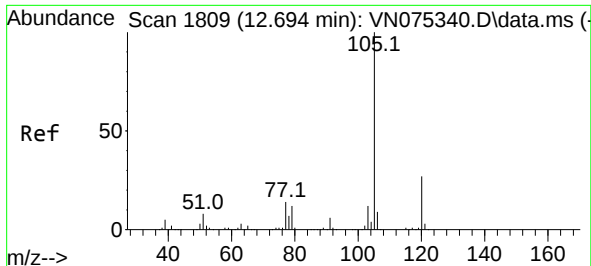
Tgt Ion:106 Resp: 26376  
Ion Ratio Lower Upper  
106 100  
91 210.1 105.2 315.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Tgt Ion:152 Resp: 107218  
Ion Ratio Lower Upper  
152 100  
115 57.5 30.2 90.6  
150 156.3 0.0 348.4

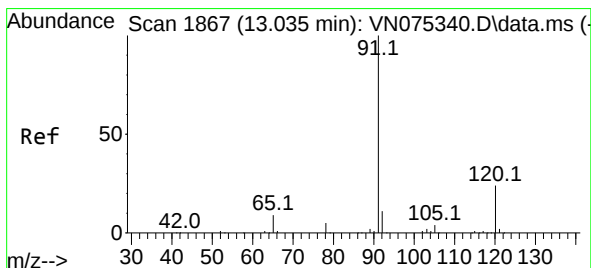
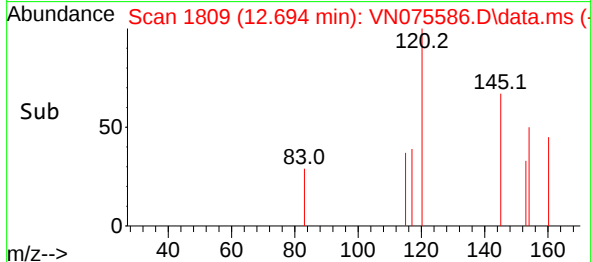
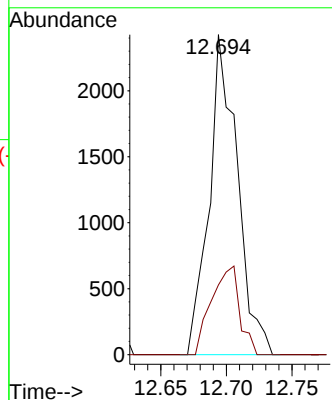
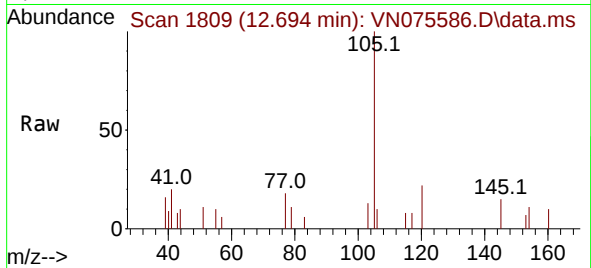




#73  
Isopropylbenzene  
Concen: 0.462 ug/l  
RT: 12.694 min Scan# 1809  
Delta R.T. -0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

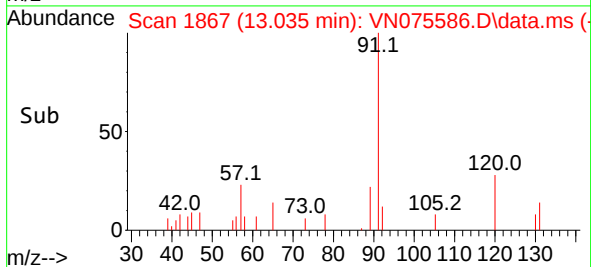
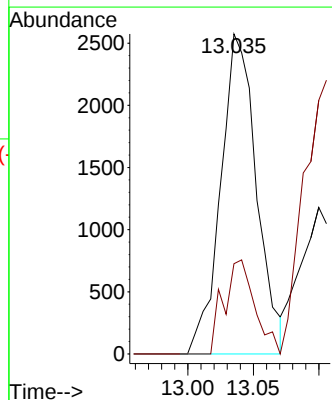
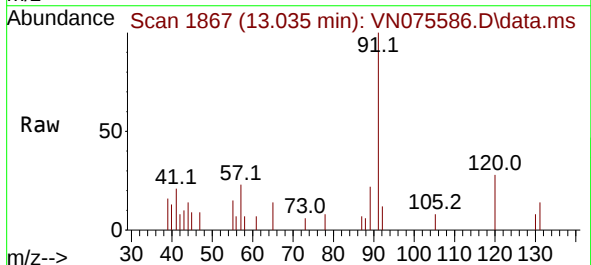
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ClientSampleId :  
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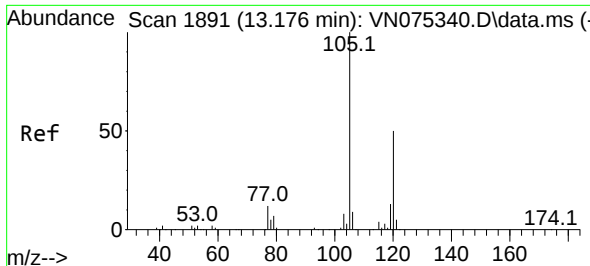
Tgt Ion:105 Resp: 3622  
Ion Ratio Lower Upper  
105 100  
120 27.6 13.1 39.1



#78  
n-propylbenzene  
Concen: 0.559 ug/l  
RT: 13.035 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Tgt Ion: 91 Resp: 4887  
Ion Ratio Lower Upper  
91 100  
120 25.4 11.9 35.5

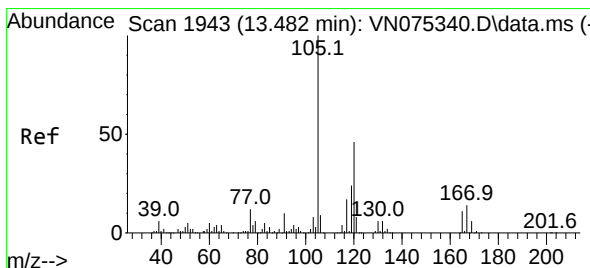
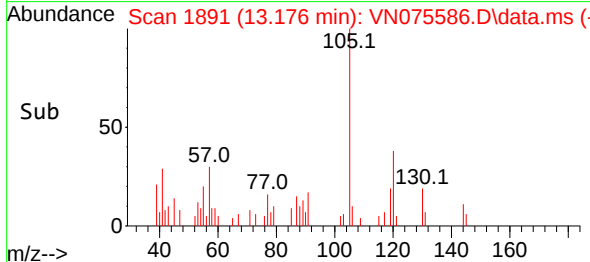
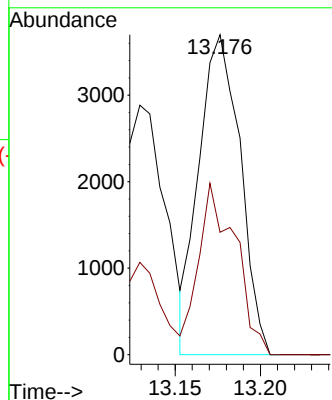
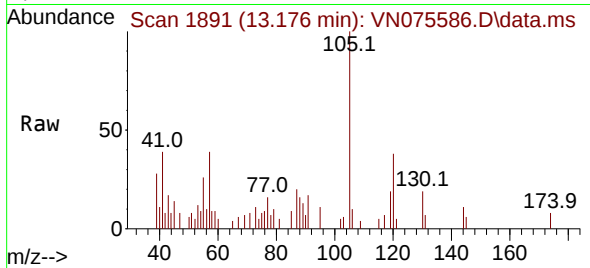




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.955 ug/l  
 RT: 13.176 min Scan# 1891  
 Delta R.T. 0.000 min  
 Lab File: VN075586.D  
 Acq: 06 Dec 2022 15:50

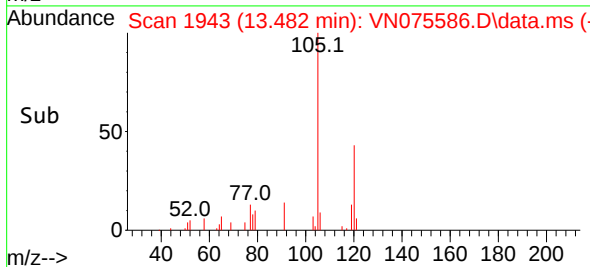
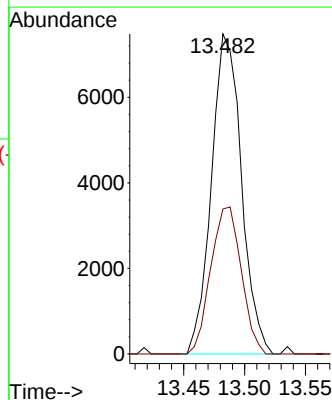
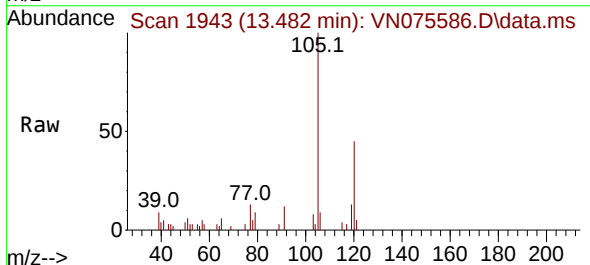
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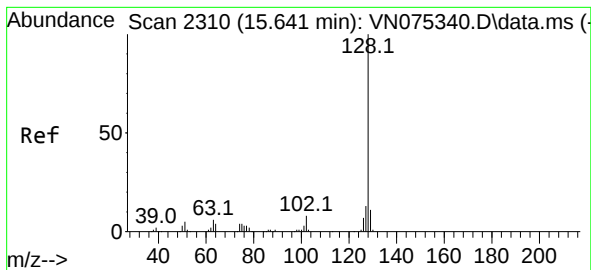
Tgt Ion:105 Resp: 6216  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 24.7 74.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.963 ug/l  
 RT: 13.482 min Scan# 1943  
 Delta R.T. 0.000 min  
 Lab File: VN075586.D  
 Acq: 06 Dec 2022 15:50

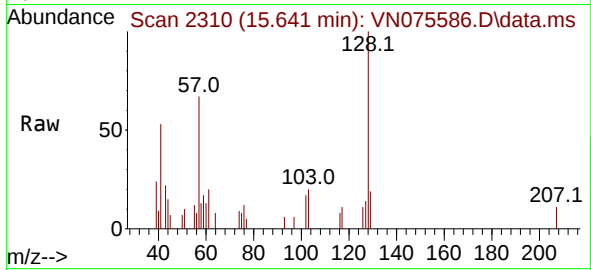
Tgt Ion:105 Resp: 12816  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 22.7 68.1





#95  
Naphthalene  
Concen: 1.028 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN075586.D  
Acq: 06 Dec 2022 15:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 5918  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.1  | 10.4  | 15.6  |
| 129      | 13.5  | 8.6   | 12.8# |

