

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
 Data File : VN076189.D  
 Acq On : 10 Jan 2023 18:00  
 Operator : JC\MD  
 Sample : 01061-04  
 Misc : 5.08gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SLUDGE-7

Quant Time: Jan 11 01:08:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

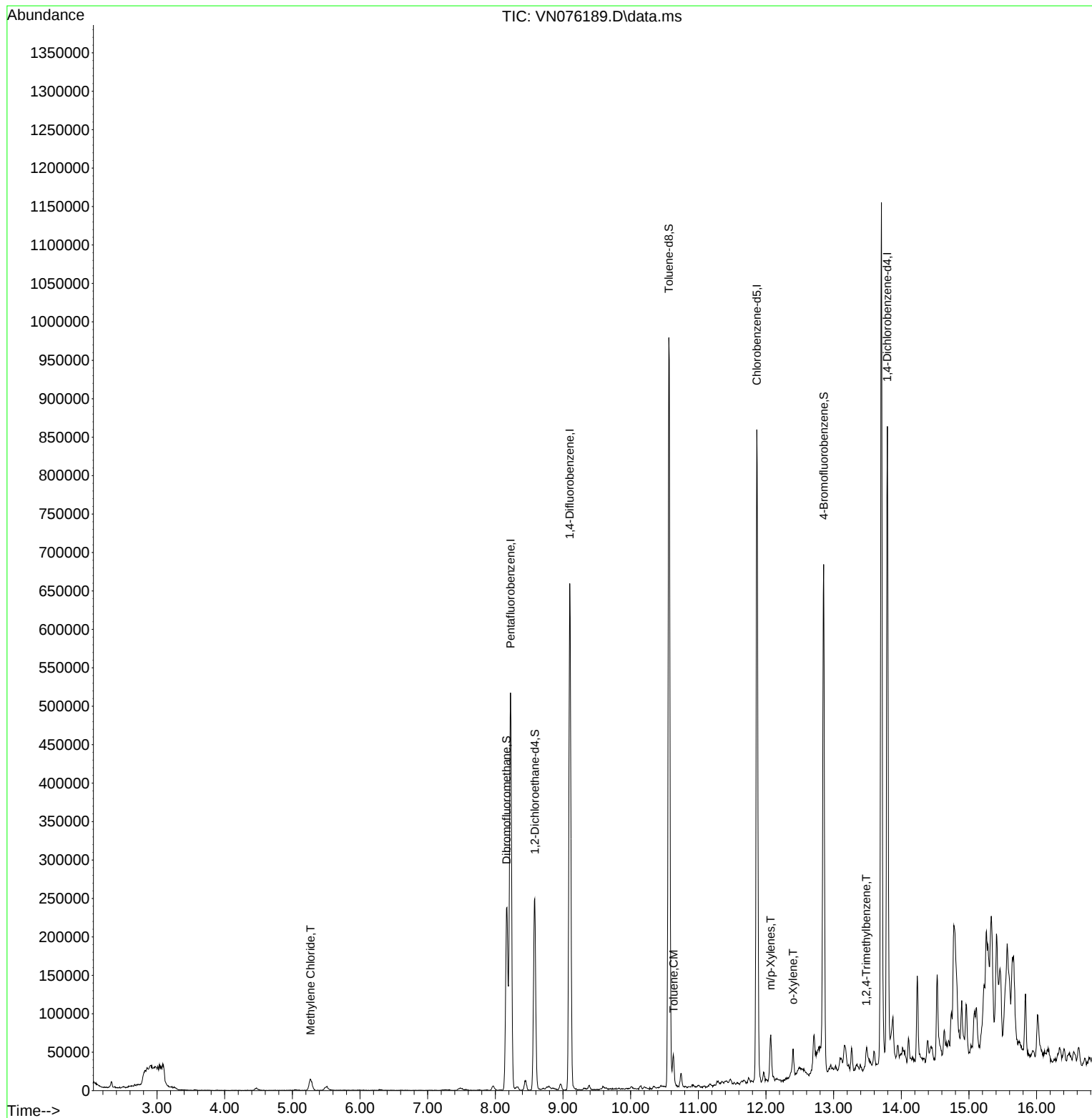
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 399133   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 614931   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 514008   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 230849   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 201307   | 46.361   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 92.720%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 172728   | 45.357   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 90.720%  |
| 50) Toluene-d8              | 10.565 | 98    | 704398   | 49.472   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 98.940%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 218099   | 46.248   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 92.500%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 5.271  | 84    | 12437    | 2.498    | ug/l # | 86       |
| 52) Toluene                 | 10.635 | 92    | 17368    | 1.709    | ug/l   | 98       |
| 68) m/p-Xylenes             | 12.071 | 106   | 17341    | 2.461    | ug/l   | 97       |
| 69) o-Xylene                | 12.400 | 106   | 10189    | 1.461    | ug/l   | 85       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 14191    | 1.025    | ug/l   | 95       |
| -----                       |        |       |          |          |        |          |

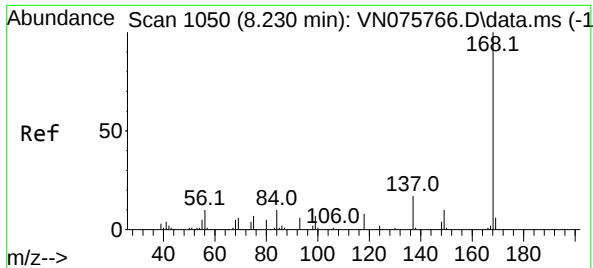
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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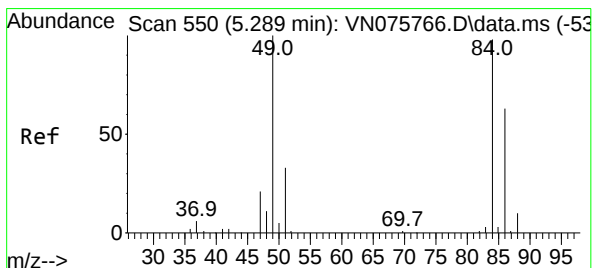
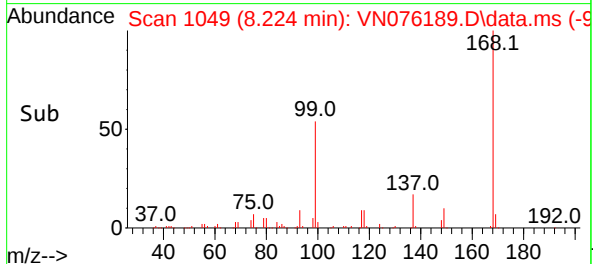
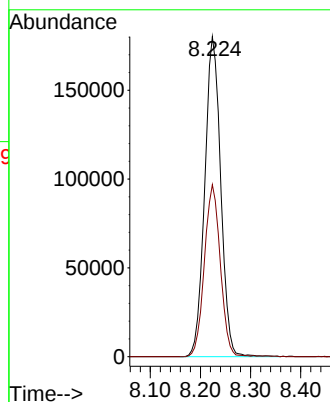
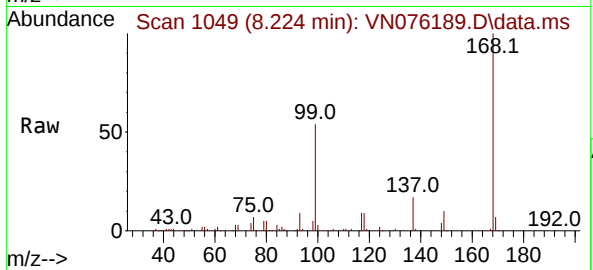




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1049  
Delta R.T. -0.006 min  
Lab File: VN076189.D  
Acq: 10 Jan 2023 18:00

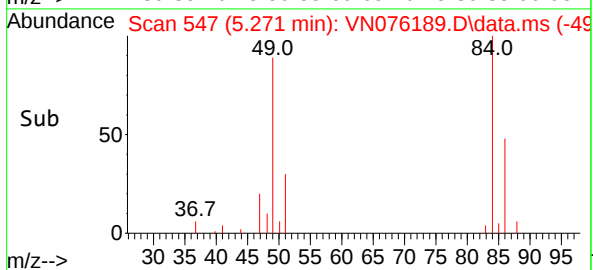
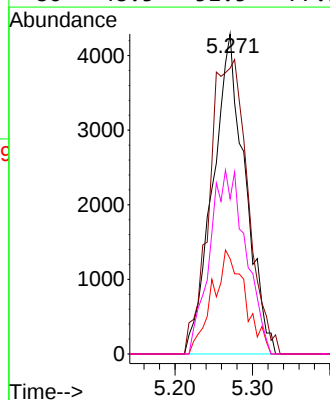
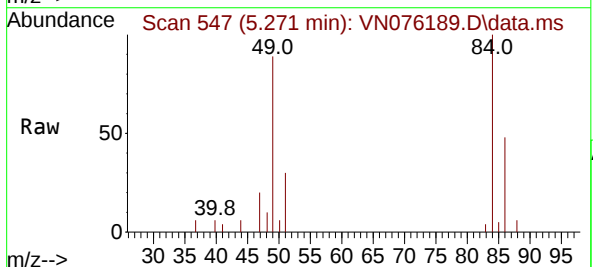
Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-7

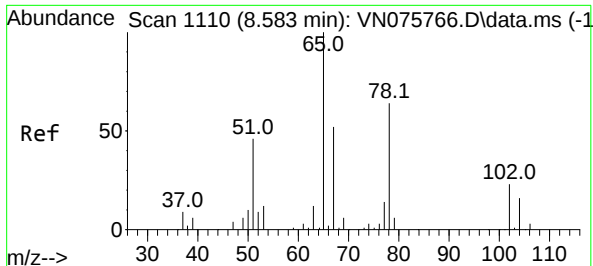
Tgt Ion:168 Resp: 399133  
Ion Ratio Lower Upper  
168 100  
99 53.8 44.2 66.4



#20  
Methylene Chloride  
Concen: 2.498 ug/l  
RT: 5.271 min Scan# 547  
Delta R.T. -0.018 min  
Lab File: VN076189.D  
Acq: 10 Jan 2023 18:00

Tgt Ion: 84 Resp: 12437  
Ion Ratio Lower Upper  
84 100  
49 89.3 81.8 122.6  
51 29.7 26.7 40.1  
86 48.5 51.5 77.3#





#33

1,2-Dichloroethane-d4

Concen: 46.361 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA\_N

ClientSampleId :

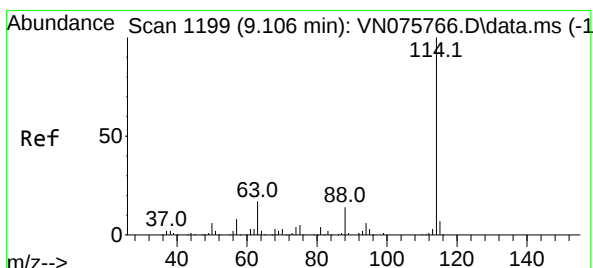
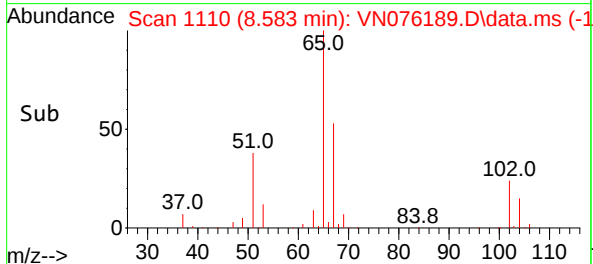
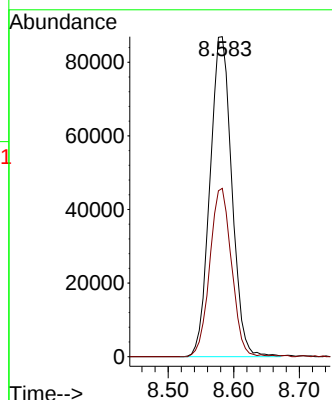
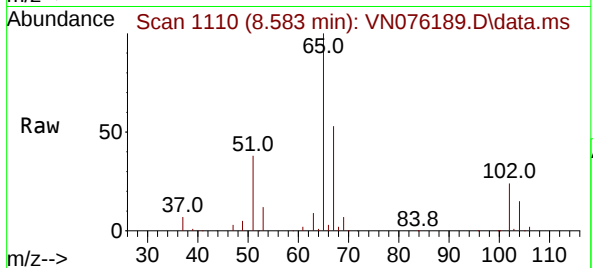
SLUDGE-7

Tgt Ion: 65 Resp: 201307

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

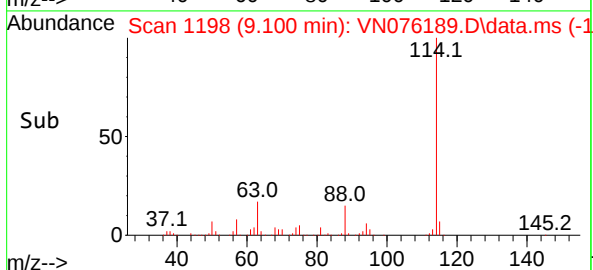
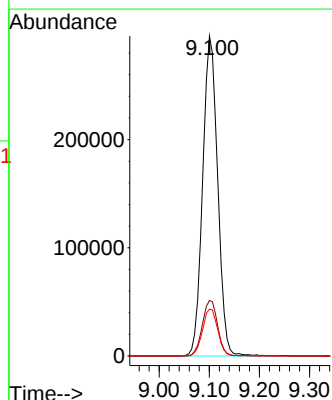
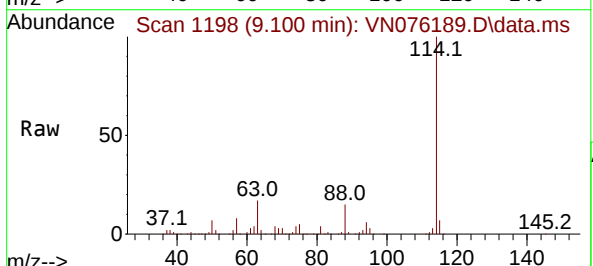
Tgt Ion: 114 Resp: 614931

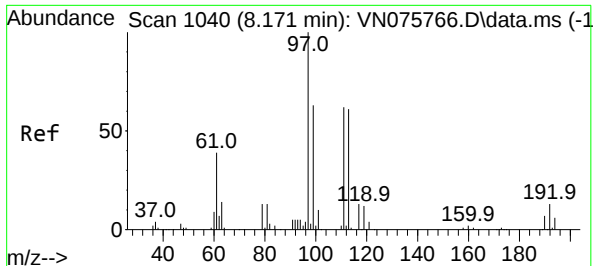
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 45.357 ug/l

RT: 8.165 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA\_N

ClientSampleId :

SLUDGE-7

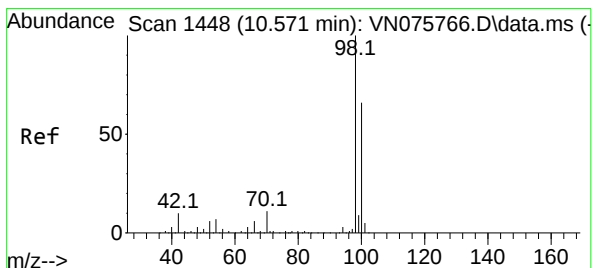
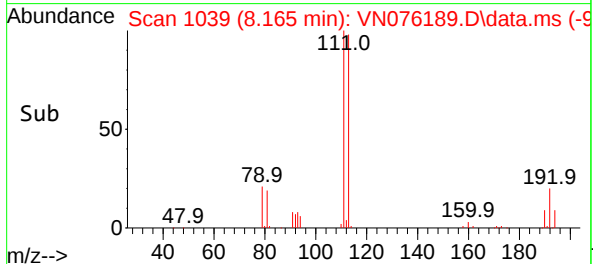
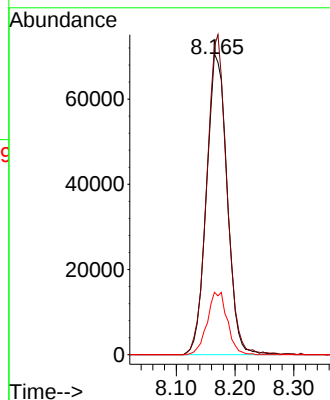
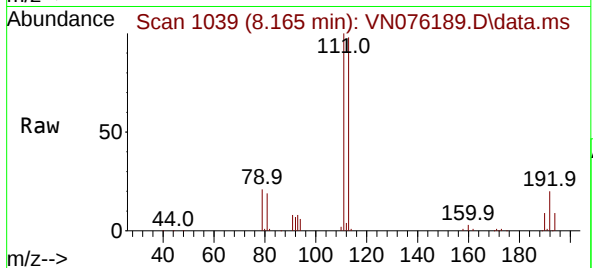
Tgt Ion:113 Resp: 172728

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 20.2 16.1 24.1



#50

Toluene-d8

Concen: 49.472 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN076189.D

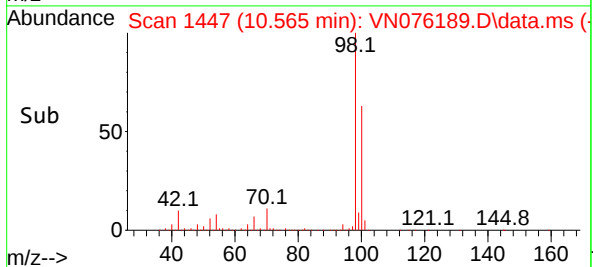
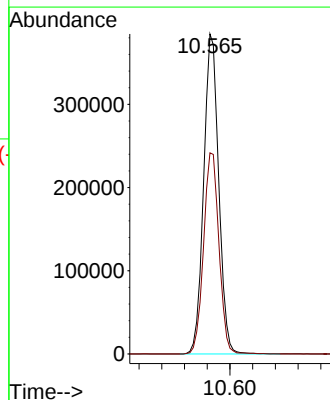
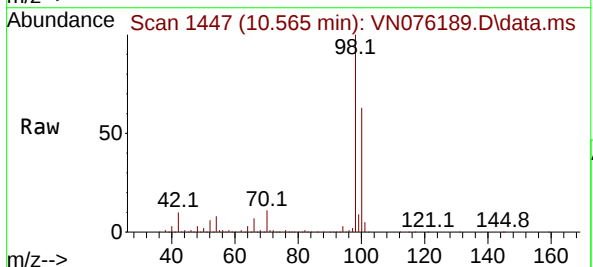
Acq: 10 Jan 2023 18:00

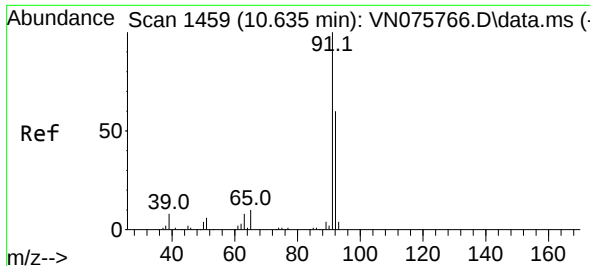
Tgt Ion: 98 Resp: 704398

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

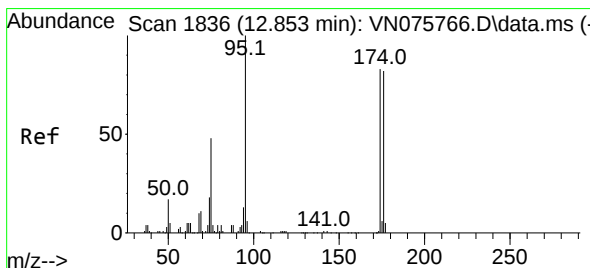
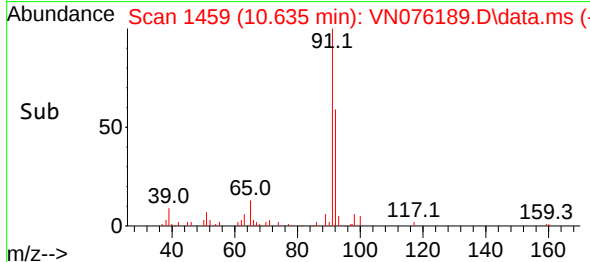
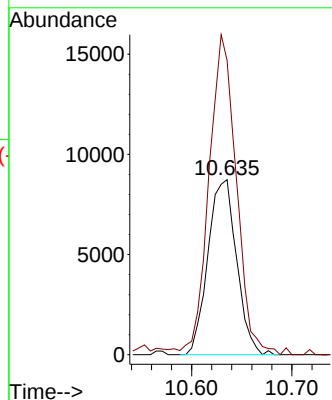
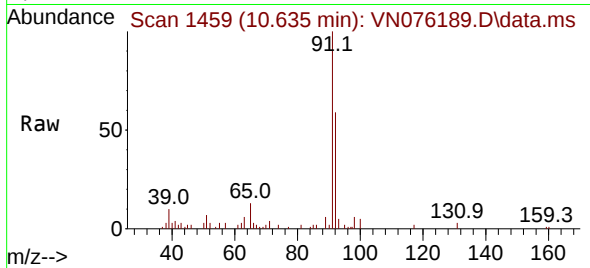




#52  
Toluene  
Concen: 1.709 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VN076189.D  
Acq: 10 Jan 2023 18:00

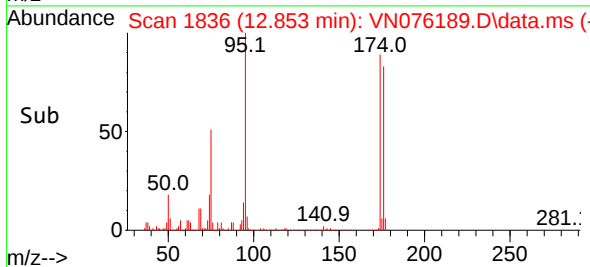
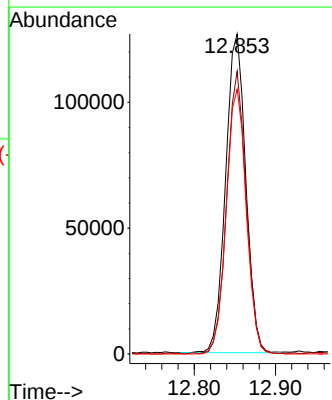
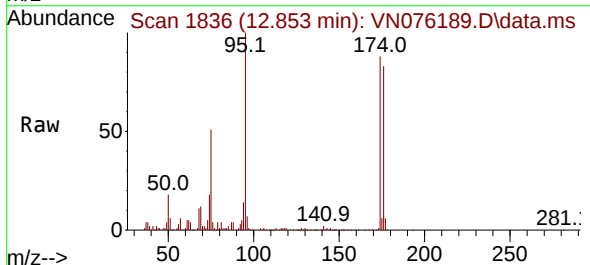
Instrument :  
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SLUDGE-7

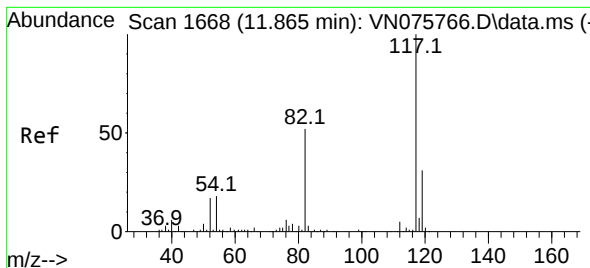
Tgt Ion: 92 Resp: 17368  
Ion Ratio Lower Upper  
92 100  
91 174.0 137.3 205.9



#62  
4-Bromofluorobenzene  
Concen: 46.248 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN076189.D  
Acq: 10 Jan 2023 18:00

Tgt Ion: 95 Resp: 218099  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 171.6  
176 82.6 0.0 169.2

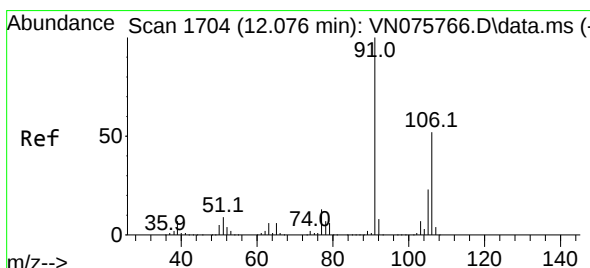
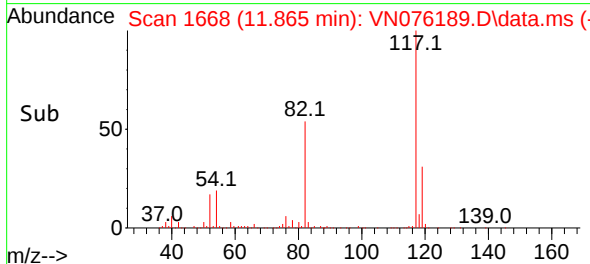
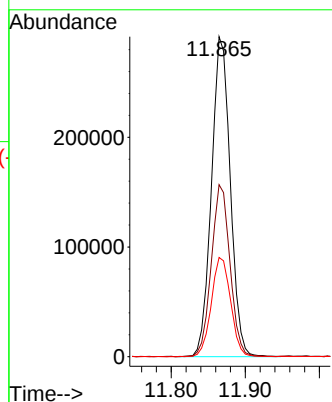
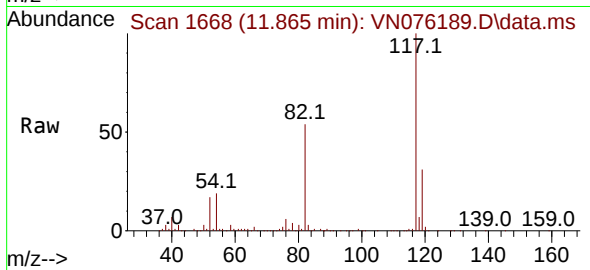




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN076189.D  
Acq: 10 Jan 2023 18:00

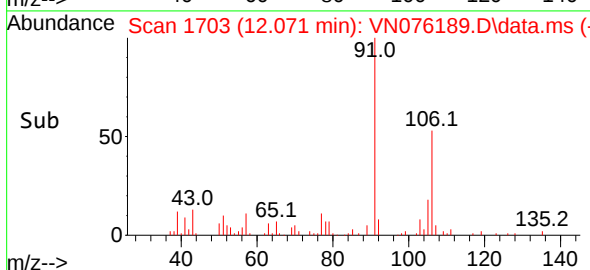
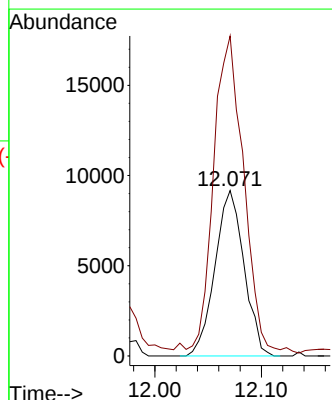
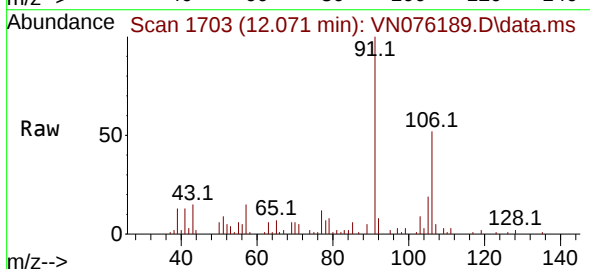
Instrument :  
MSVOA\_N  
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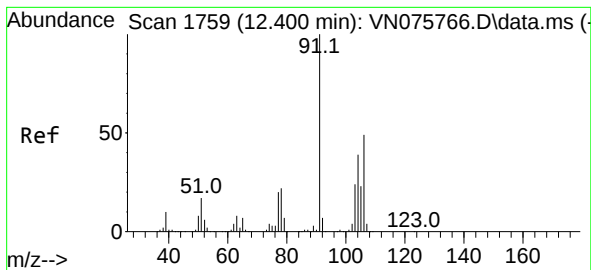
Tgt Ion:117 Resp: 514008  
Ion Ratio Lower Upper  
117 100  
82 53.7 41.3 61.9  
119 30.9 24.6 37.0



#68  
m/p-Xylenes  
Concen: 2.461 ug/l  
RT: 12.071 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VN076189.D  
Acq: 10 Jan 2023 18:00

Tgt Ion:106 Resp: 17341  
Ion Ratio Lower Upper  
106 100  
91 200.1 156.6 235.0





#69

o-Xylene

Concen: 1.461 ug/l

RT: 12.400 min Scan# 1759

Delta R.T. 0.000 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA\_N

ClientSampleId :

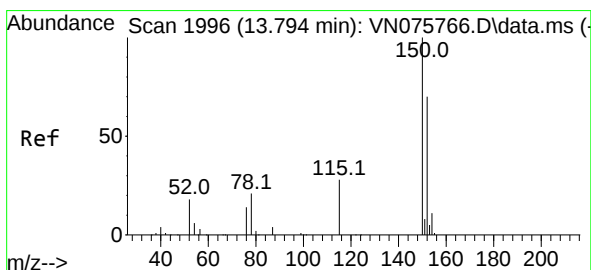
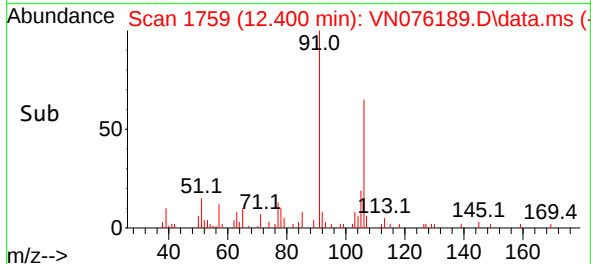
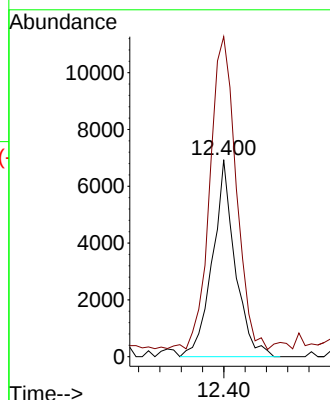
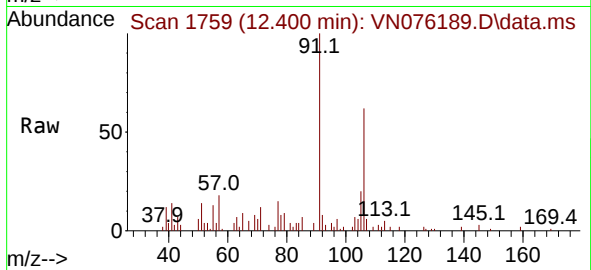
SLUDGE-7

Tgt Ion:106 Resp: 10189

Ion Ratio Lower Upper

106 100

91 184.3 103.8 311.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

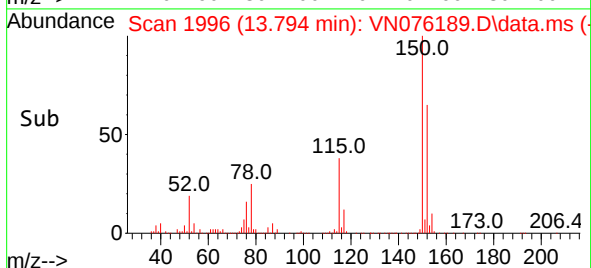
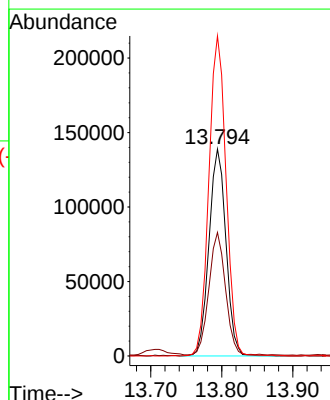
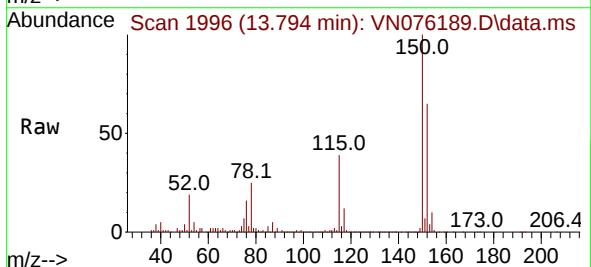
Tgt Ion:152 Resp: 230849

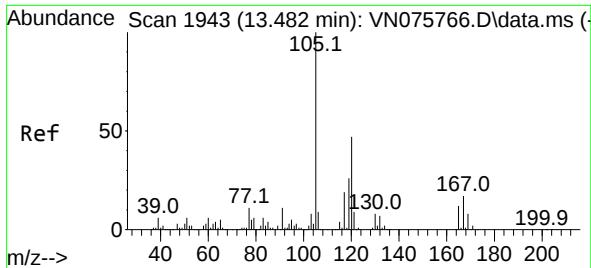
Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.4

150 156.4 0.0 347.0





#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.025 ug/l  
 RT: 13.482 min Scan# 1943  
 Delta R.T. 0.000 min  
 Lab File: VN076189.D  
 Acq: 10 Jan 2023 18:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SLUDGE-7

Tgt Ion:105 Resp: 14191  
 Ion Ratio Lower Upper  
 105 100  
 120 50.1 23.3 69.8

