

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122022\  
 Data File : VN075899.D  
 Acq On : 20 Dec 2022 15:23  
 Operator : JC\MD  
 Sample : N6148-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TCLP-VOC-3052

Quant Time: Dec 21 01:28:39 2022  
 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

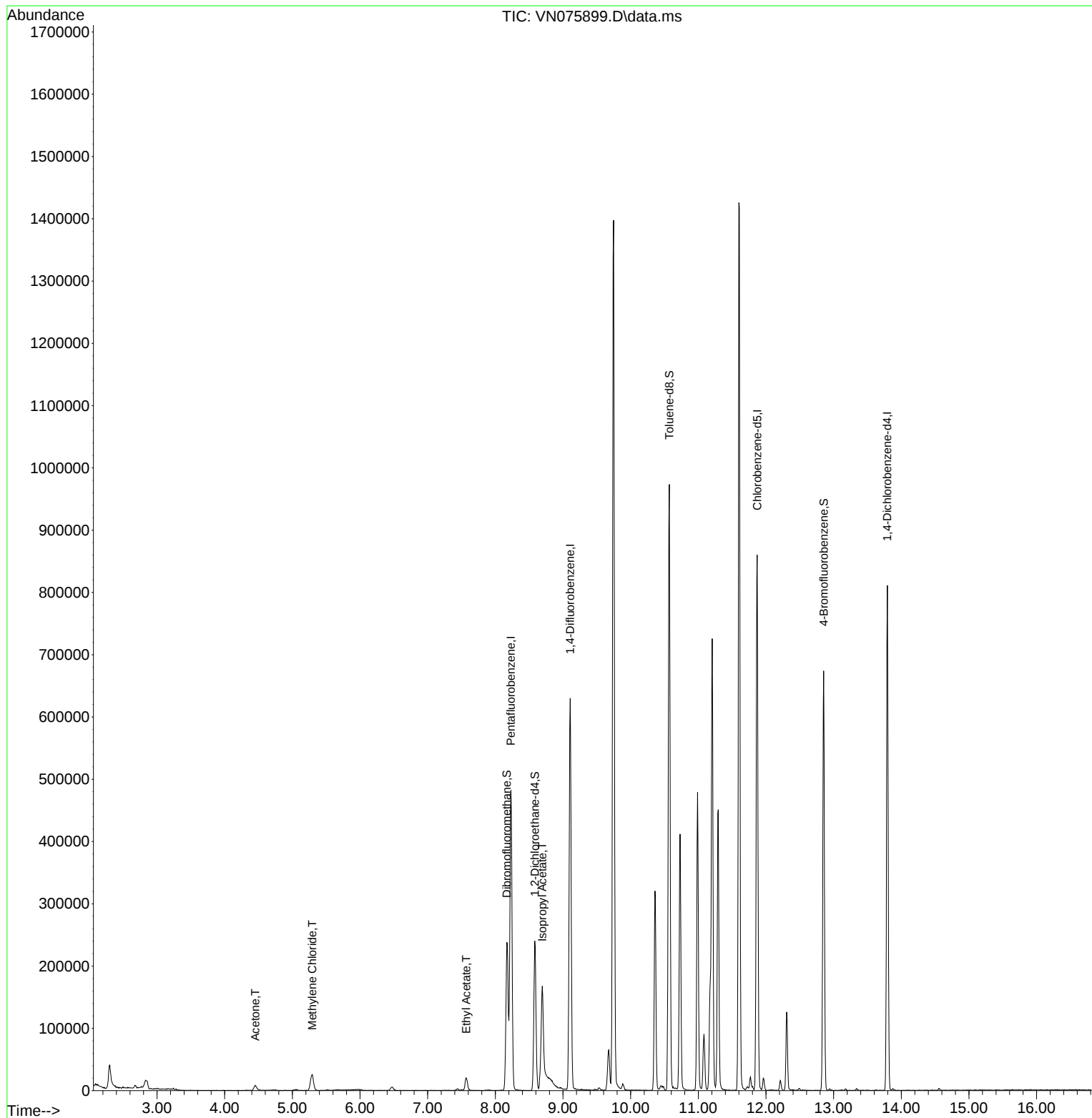
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 378795   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 588295   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 525892   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 227019   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 190120   | 46.135   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 92.280%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 171804   | 47.157   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.320%  |
| 50) Toluene-d8              | 10.571 | 98    | 686057   | 50.365   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 100.740% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 221737   | 49.148   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 98.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.453  | 43    | 14884    | 10.478   | ug/l   | 94       |
| 20) Methylene Chloride      | 5.294  | 84    | 21406    | 5.057    | ug/l # | 91       |
| 37) Ethyl Acetate           | 7.571  | 43    | 30475    | 7.839    | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 217368   | 33.897   | ug/l # | 77       |
| -----                       |        |       |          |          |        |          |

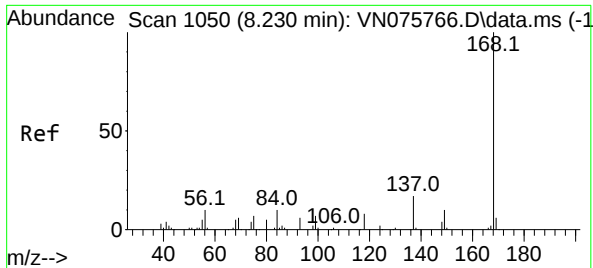
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

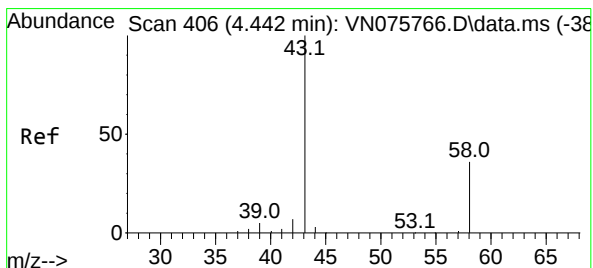
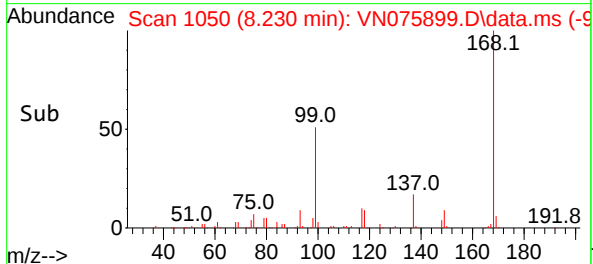
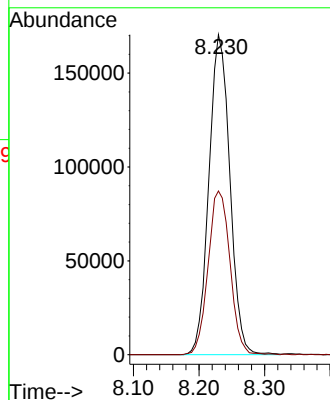
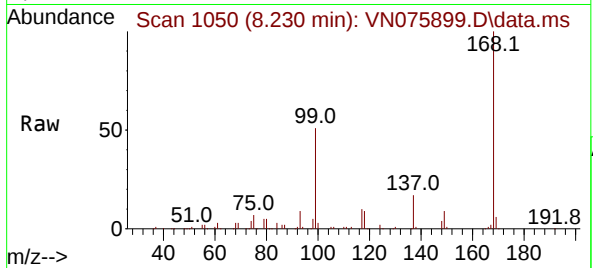




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

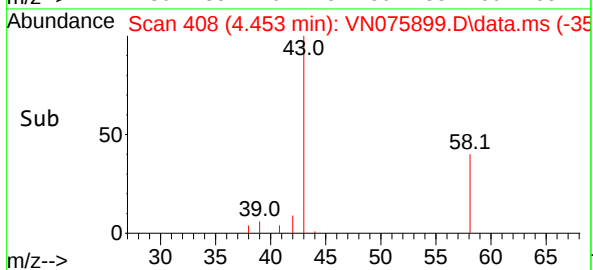
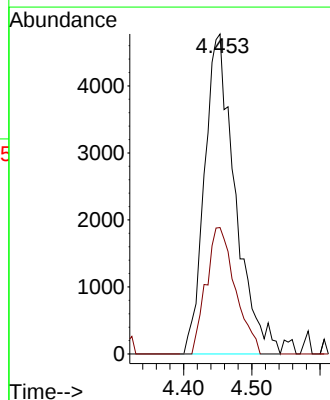
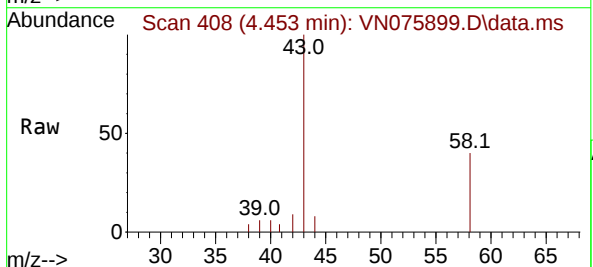
Instrument :  
MSVOA\_N  
ClientSampleId :  
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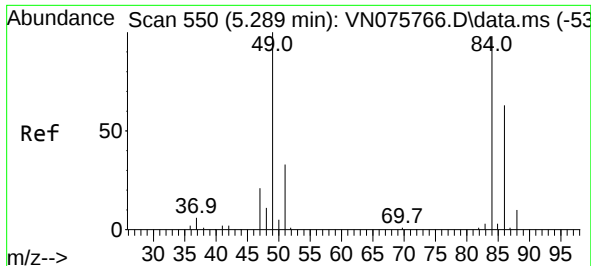
Tgt Ion:168 Resp: 378795  
Ion Ratio Lower Upper  
168 100  
99 51.2 44.2 66.4



#16  
Acetone  
Concen: 10.478 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.012 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

Tgt Ion: 43 Resp: 14884  
Ion Ratio Lower Upper  
43 100  
58 39.5 28.6 43.0

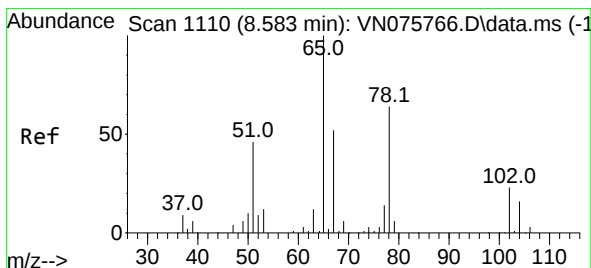
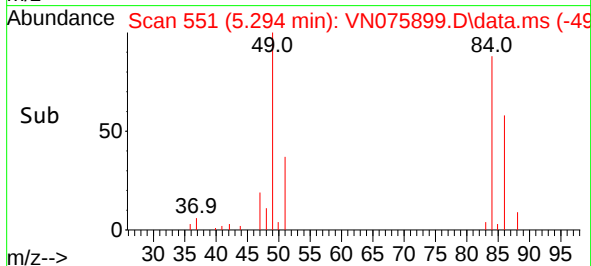
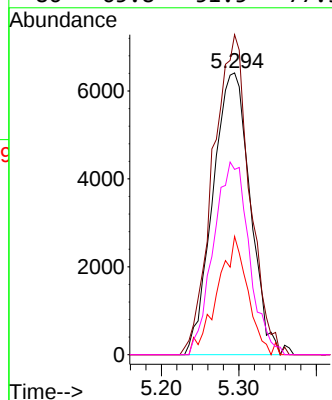
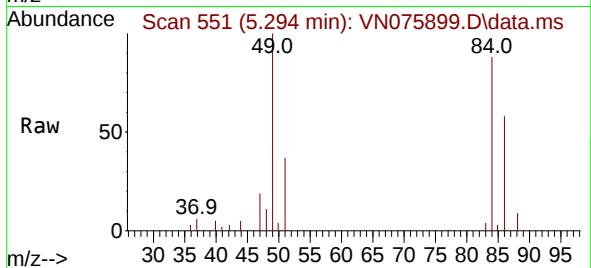




#20  
Methylene Chloride  
Concen: 5.057 ug/l  
RT: 5.294 min Scan# 511  
Delta R.T. 0.005 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

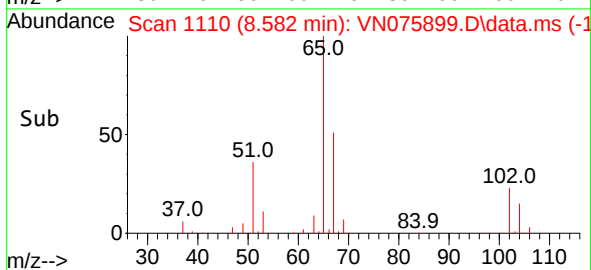
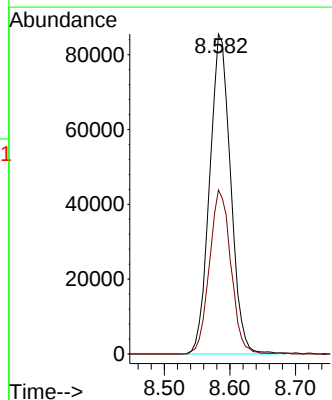
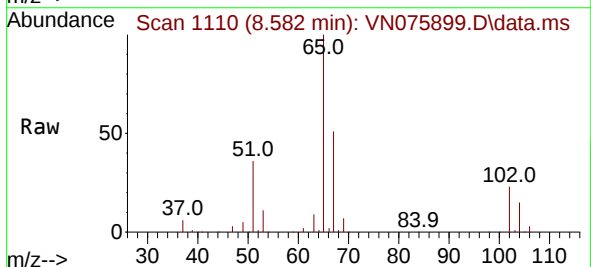
Instrument :  
MSVOA\_N  
ClientSampleId :  
TCLP-VOC-3052

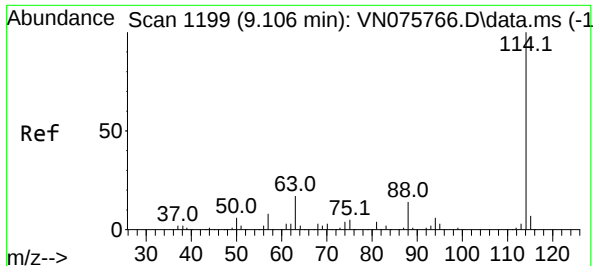
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 21406 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 113.6    | 81.8 122.6  |
| 51 42.0     | 26.7 40.1#  |
| 86 65.8     | 51.5 77.3   |



#33  
1,2-Dichloroethane-d4  
Concen: 46.135 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 190120 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 52.2     | 0.0 103.4    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075899.D

Acq: 20 Dec 2022 15:23

Instrument :

MSVOA\_N

ClientSampleId :

TCLP-VOC-3052

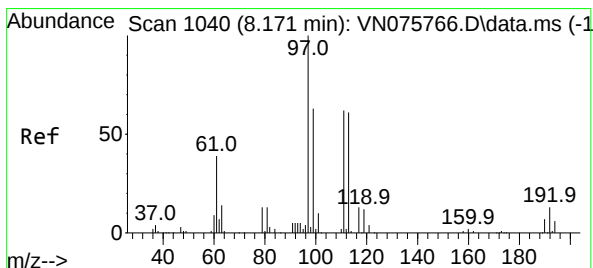
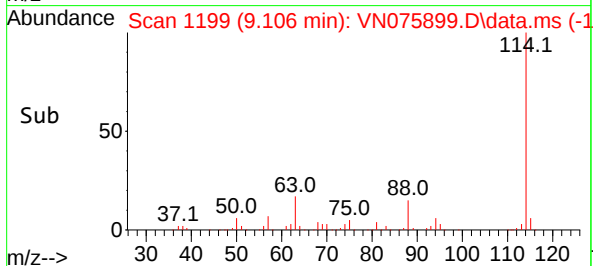
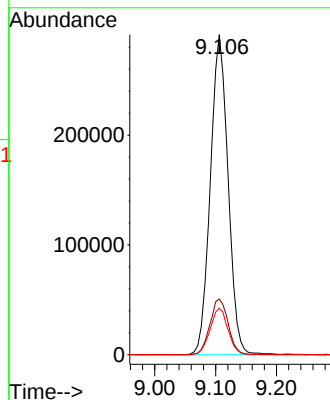
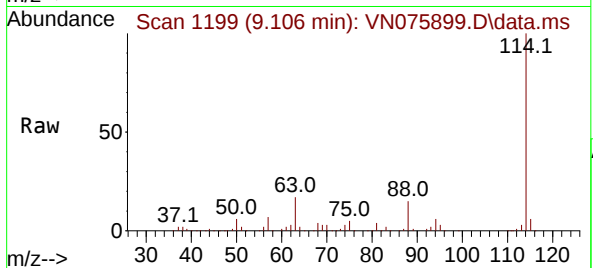
Tgt Ion:114 Resp: 588295

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.157 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075899.D

Acq: 20 Dec 2022 15:23

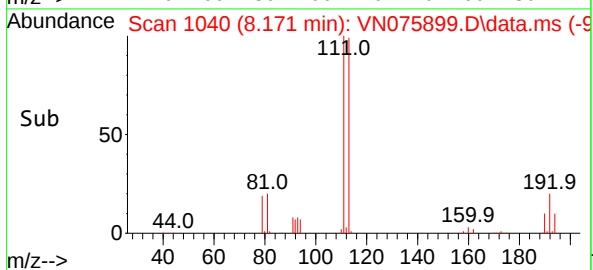
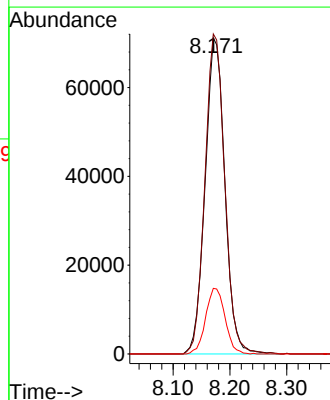
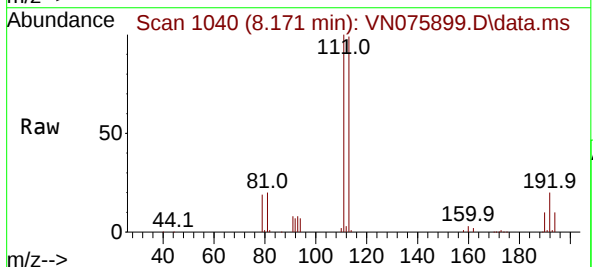
Tgt Ion:113 Resp: 171804

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 20.4 16.1 24.1

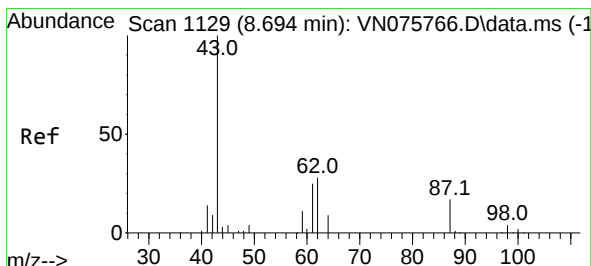
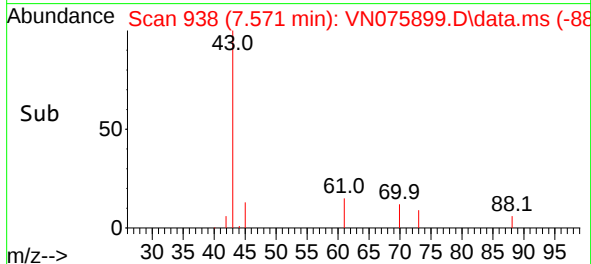
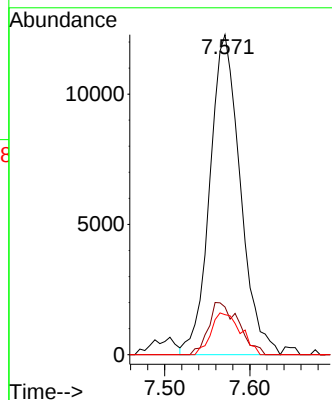
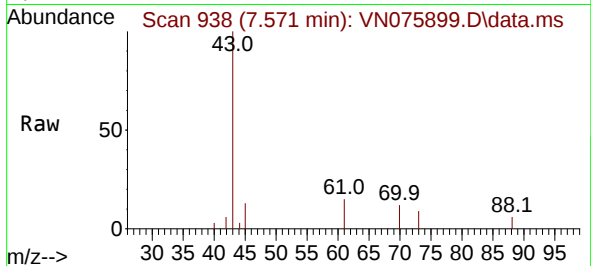




#37  
Ethyl Acetate  
Concen: 7.839 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

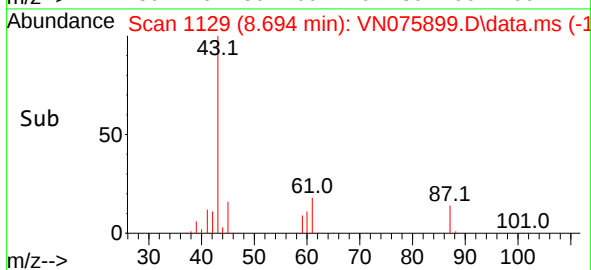
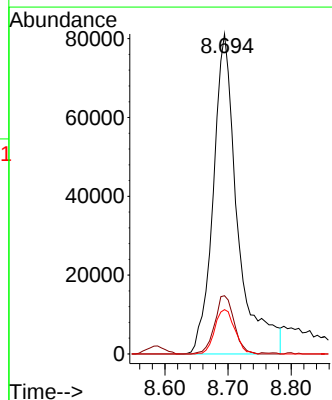
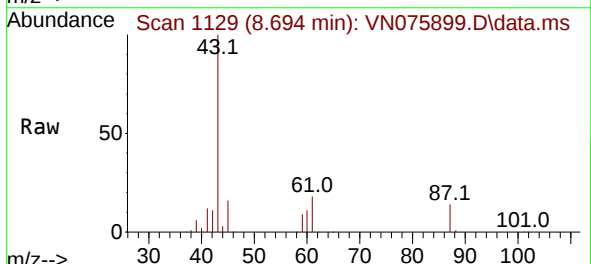
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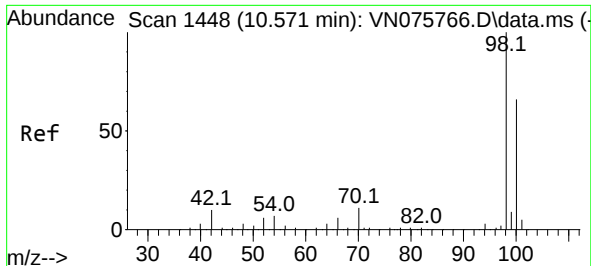
Tgt Ion: 43 Resp: 30475  
Ion Ratio Lower Upper  
43 100  
61 16.2 13.0 19.4  
70 12.7 9.4 14.0



#43  
Isopropyl Acetate  
Concen: 33.897 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

Tgt Ion: 43 Resp: 217368  
Ion Ratio Lower Upper  
43 100  
61 14.6 24.2 36.4#  
87 11.4 13.3 19.9#

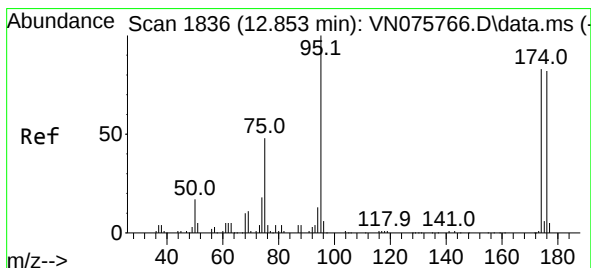
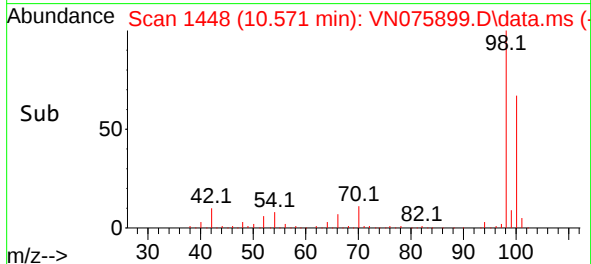
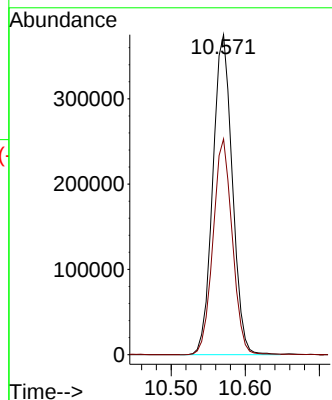
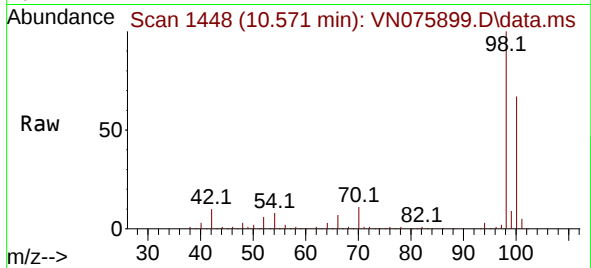




#50  
Toluene-d8  
Concen: 50.365 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

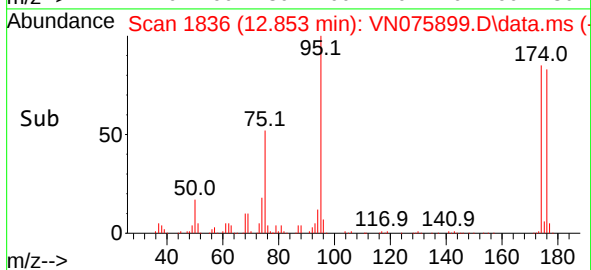
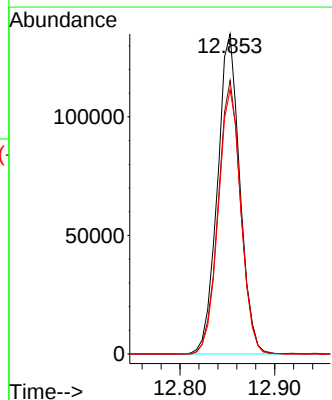
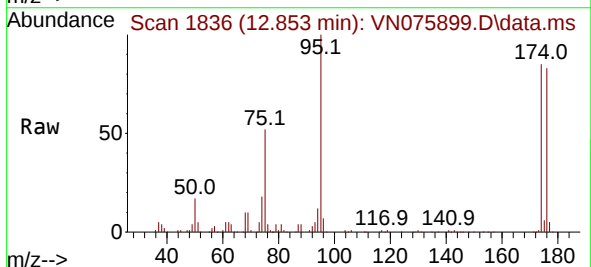
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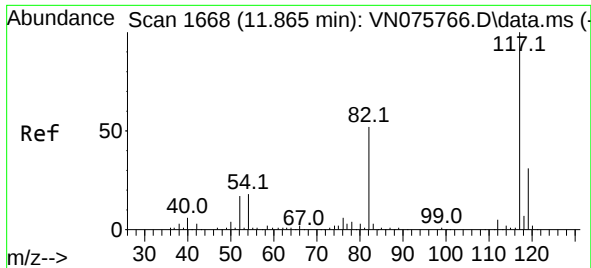
Tgt Ion: 98 Resp: 686057  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 49.148 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

Tgt Ion: 95 Resp: 221737  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 171.6  
176 83.6 0.0 169.2

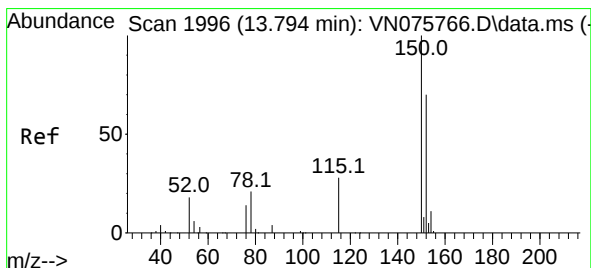
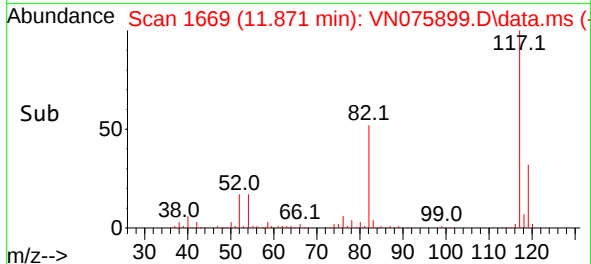
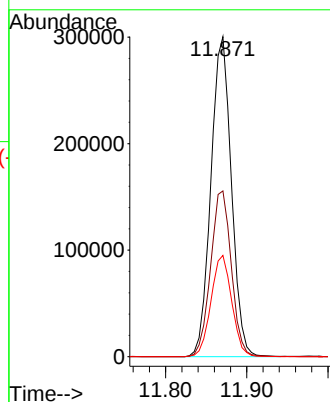
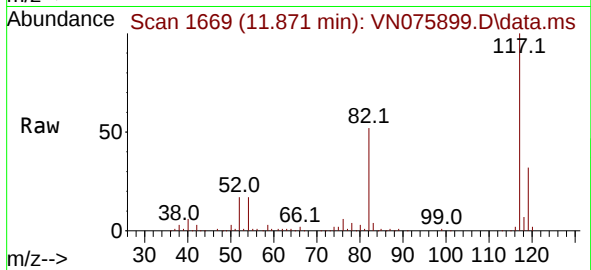




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
TCLP-VOC-3052

Tgt Ion:117 Resp: 525892  
Ion Ratio Lower Upper  
117 100  
82 51.8 41.3 61.9  
119 31.7 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075899.D  
Acq: 20 Dec 2022 15:23

Tgt Ion:152 Resp: 227019  
Ion Ratio Lower Upper  
152 100  
115 57.3 29.1 87.4  
150 158.1 0.0 347.0

