

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112822\  
 Data File : VX033096.D  
 Acq On : 28 Nov 2022 17:47  
 Operator : JC/MD  
 Sample : N5763-02 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DSN-002-SEWER-OUTLET-002

Quant Time: Nov 29 03:45:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

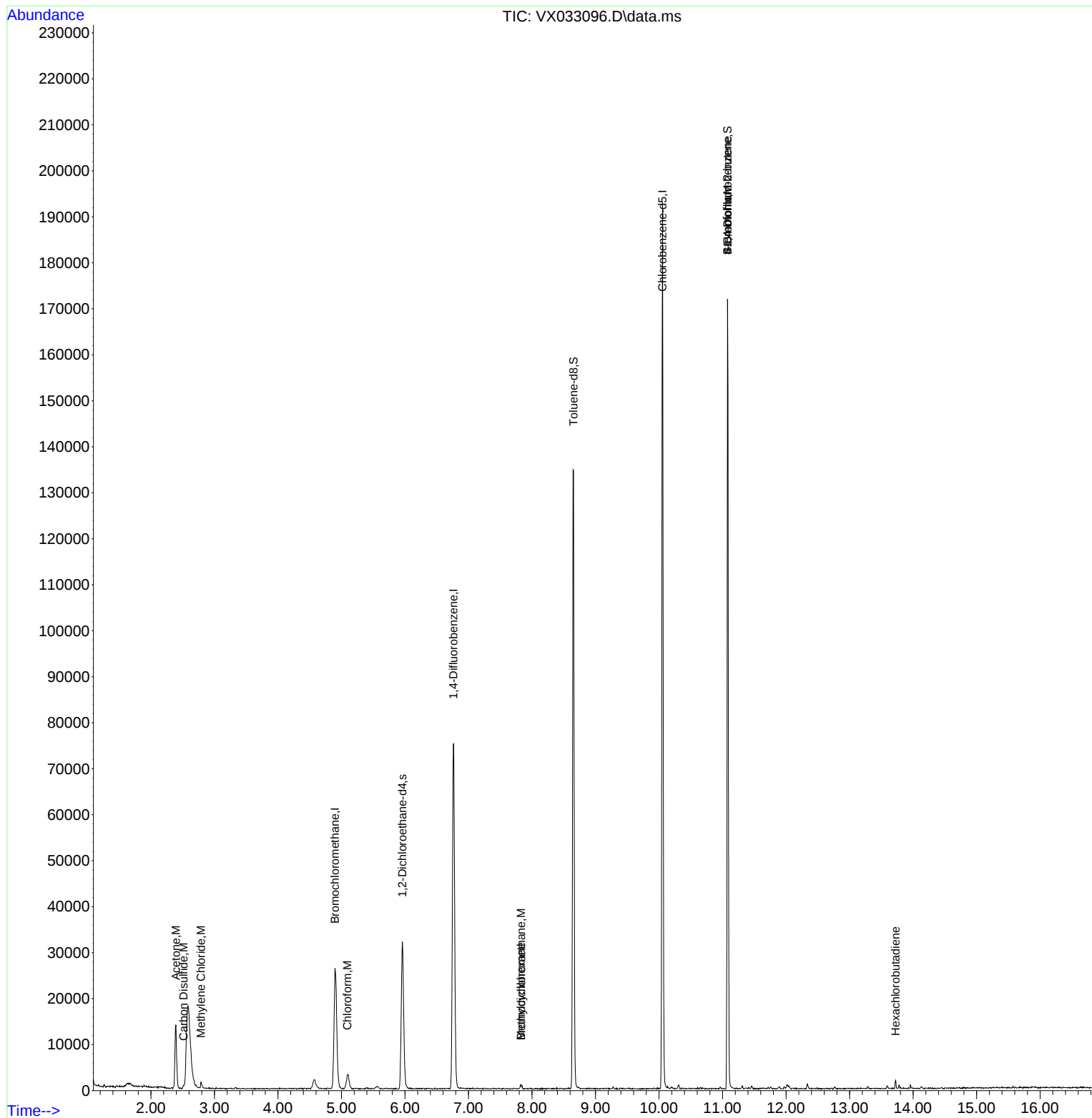
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.897  | 128   | 11596    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114   | 79219    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 83852    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.958  | 65    | 32346    | 28.914   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 96.367%  |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 42696    | 26.619   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 88.733%  |
| 63) Toluene-d8              | 8.653  | 98    | 83462    | 29.494   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.392  | 58    | 4910     | 31.521   | ug/l   | 89       |
| 16) Carbon Disulfide        | 2.513  | 76    | 818      | 0.291    | ug/l # | 90       |
| 18) Methylene Chloride      | 2.788  | 84    | 538      | 0.414    | ug/l # | 58       |
| 25) Chloroform              | 5.092  | 83    | 2053     | 0.816    | ug/l   | 94       |
| 38) Methylcyclohexane       | 7.830  | 83    | 845      | 0.429    | ug/l # | 22       |
| 41) Bromodichloromethane    | 7.830  | 83    | 845      | 0.463    | ug/l # | 86       |
| 56) Bromoform               | 11.079 | 173   | 566      | 0.553    | ug/l # | 1        |
| 77) t-1,4-Dichloro-2-butene | 11.079 | 75    | 23299    | 46.478   | ug/l # | 8        |
| 90) Hexachlorobutadiene     | 13.725 | 225   | 399      | 0.584    | ug/l   | 89       |
| -----                       |        |       |          |          |        |          |

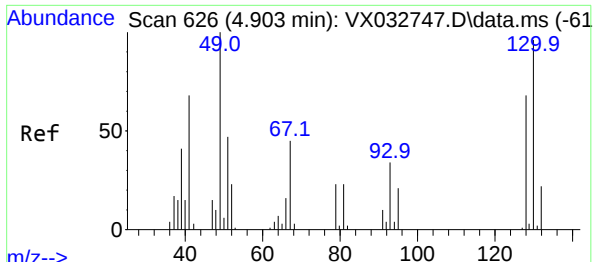
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :  
DSN-002-SEWER-OUTLET-002

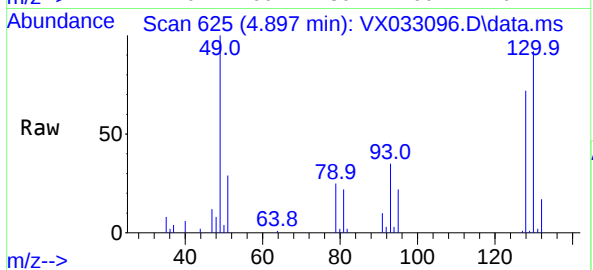
Quant Time: Nov 29 03:45:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 11 05:24:06 2022  
Response via : Initial Calibration



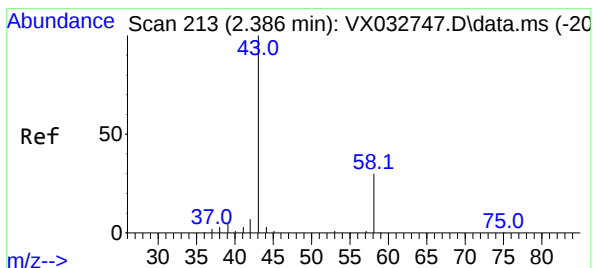
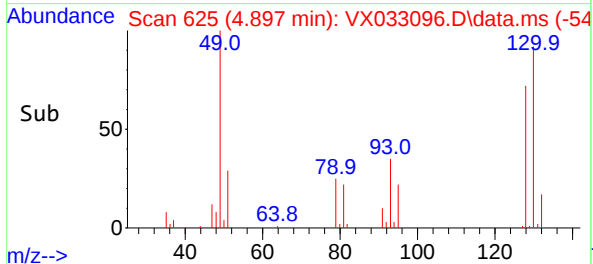
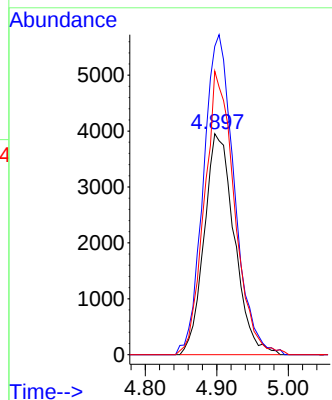


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

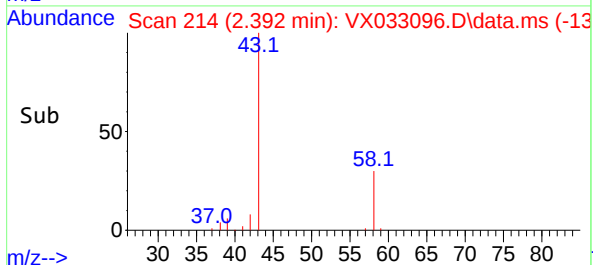
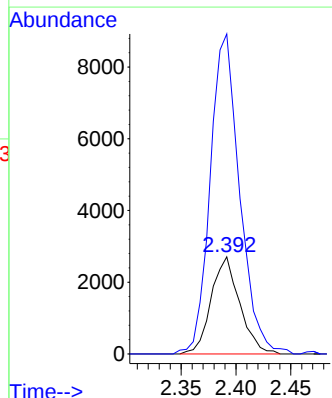
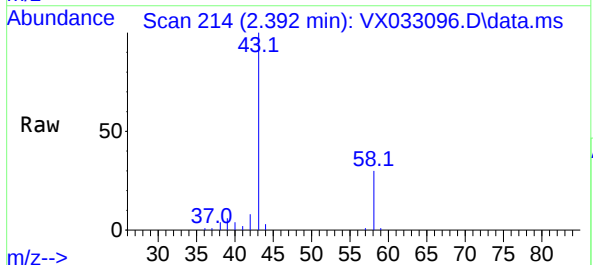


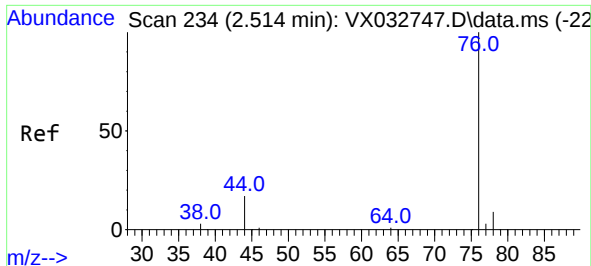
Tgt Ion:128 Resp: 11596  
Ion Ratio Lower Upper  
128 100  
49 148.0 0.0 293.0  
130 127.7 0.0 321.5



#15  
Acetone  
Concen: 31.521 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

Tgt Ion: 58 Resp: 4910  
Ion Ratio Lower Upper  
58 100  
43 325.4 242.6 364.0

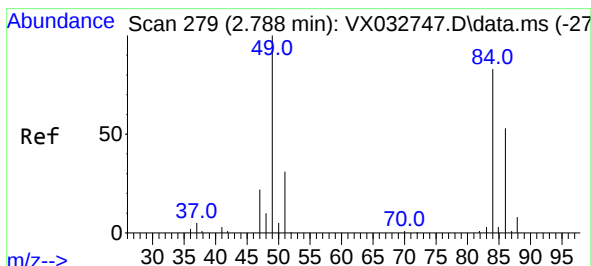
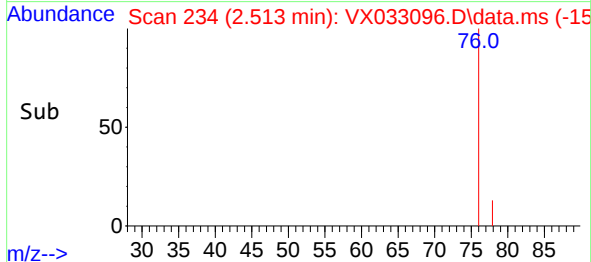
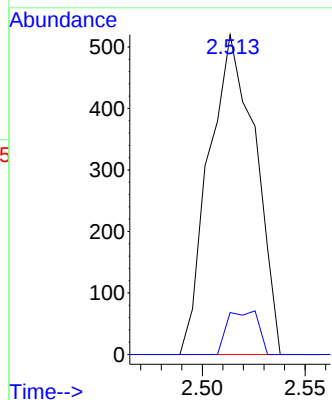
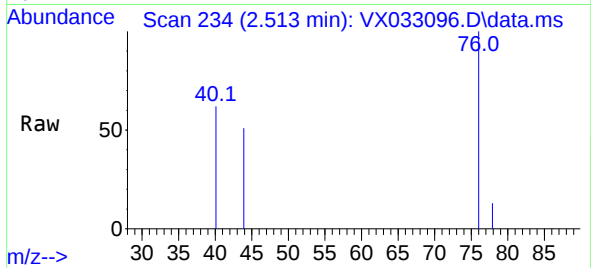




#16  
Carbon Disulfide  
Concen: 0.291 ug/l  
RT: 2.513 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

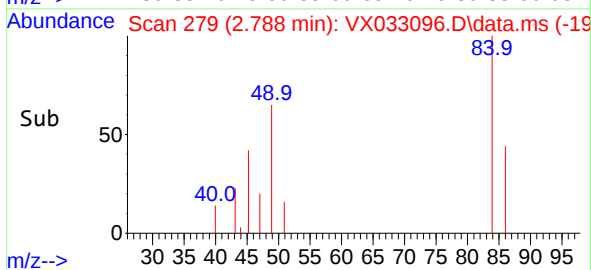
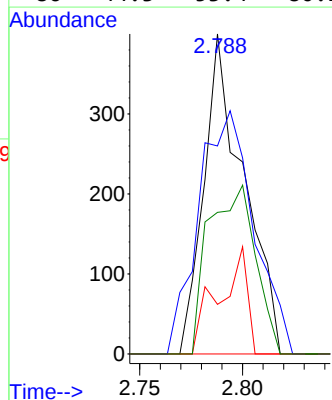
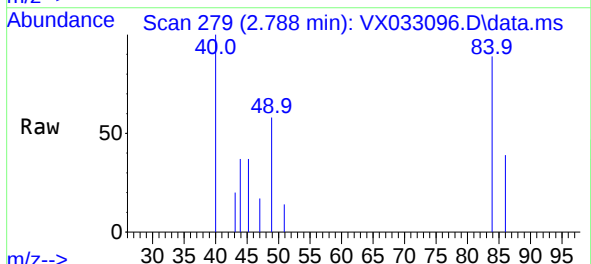
Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

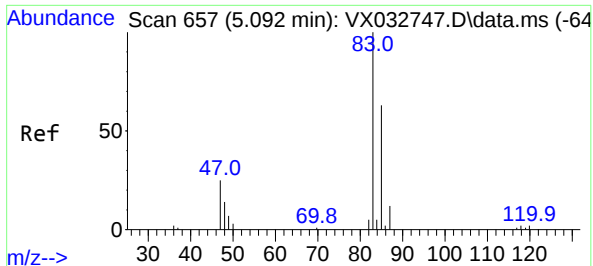
Tgt Ion: 76 Resp: 818  
Ion Ratio Lower Upper  
76 100  
78 13.1 7.5 11.3#



#18  
Methylene Chloride  
Concen: 0.414 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

Tgt Ion: 84 Resp: 538  
Ion Ratio Lower Upper  
84 100  
49 49.7 84.6 127.0#  
51 15.5 26.5 39.7#  
86 44.3 53.4 80.2#





#25

Chloroform

Concen: 0.816 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX033096.D

Acq: 28 Nov 2022 17:47

Instrument :

MSVOA\_X

ClientSampleId :

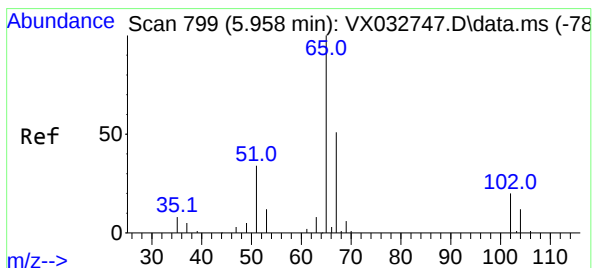
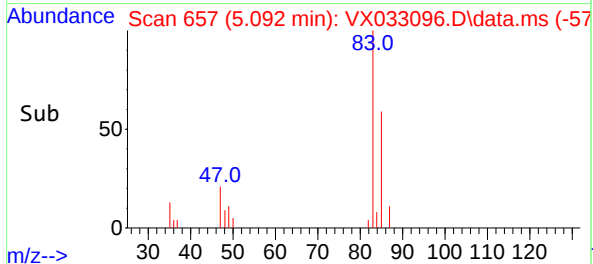
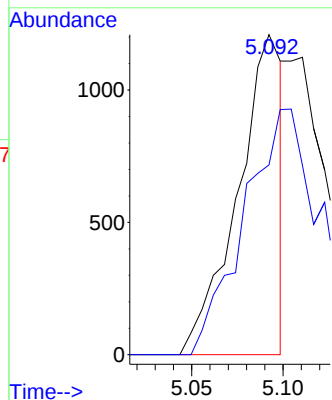
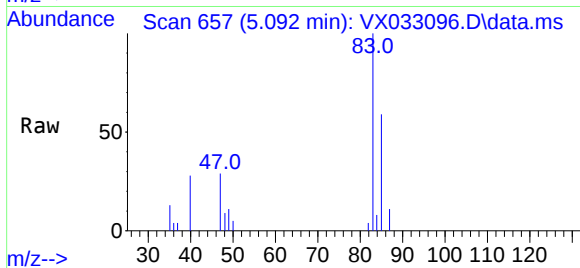
DSN-002-SEWER-OUTLET-002

Tgt Ion: 83 Resp: 2053

Ion Ratio Lower Upper

83 100

85 59.3 51.4 77.0



#27

1,2-Dichloroethane-d4

Concen: 28.914 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033096.D

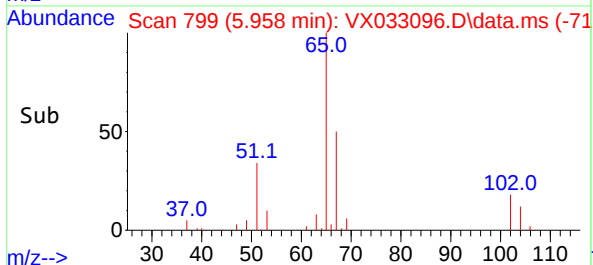
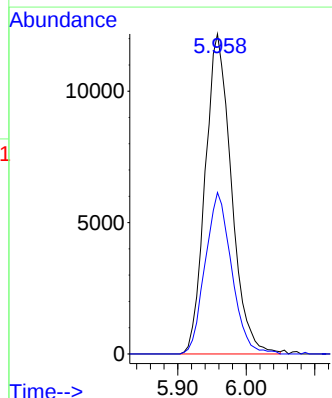
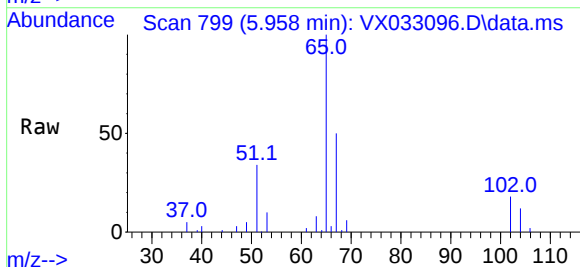
Acq: 28 Nov 2022 17:47

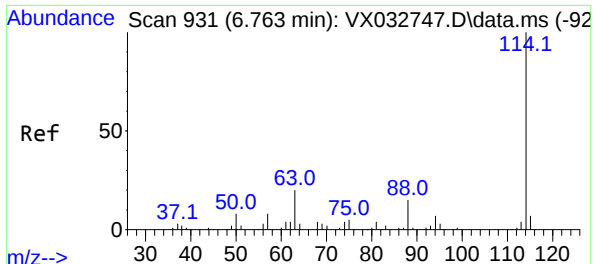
Tgt Ion: 65 Resp: 32346

Ion Ratio Lower Upper

65 100

67 51.0 41.8 62.6



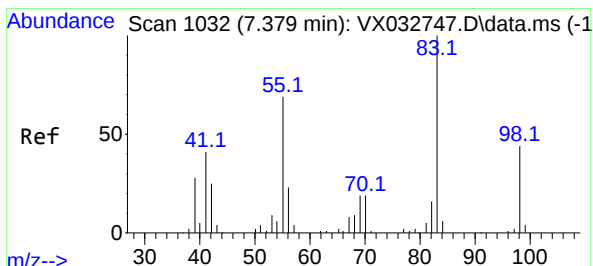
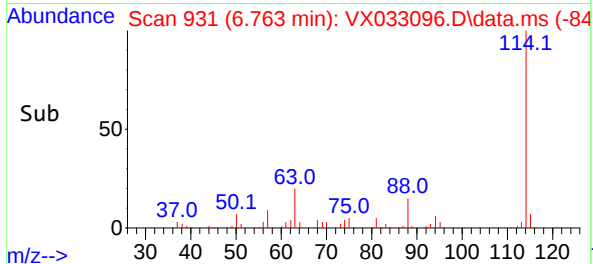
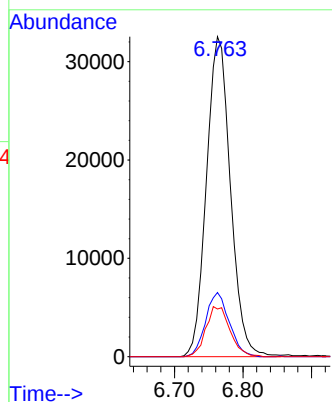
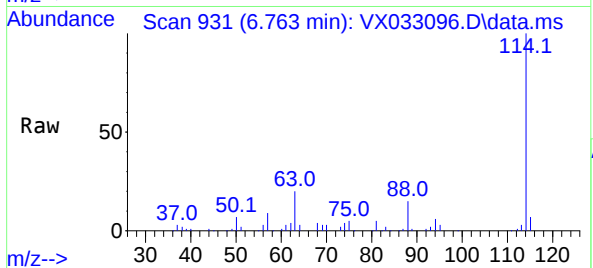


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

Tgt Ion:114 Resp: 79219

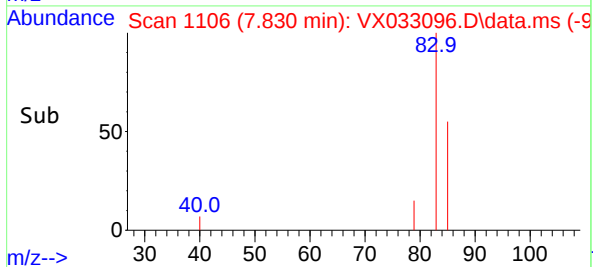
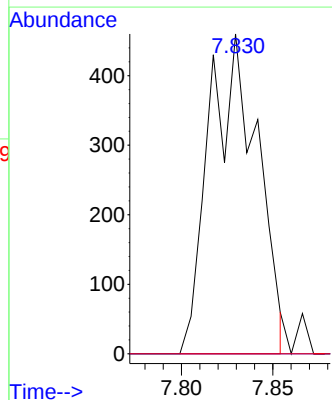
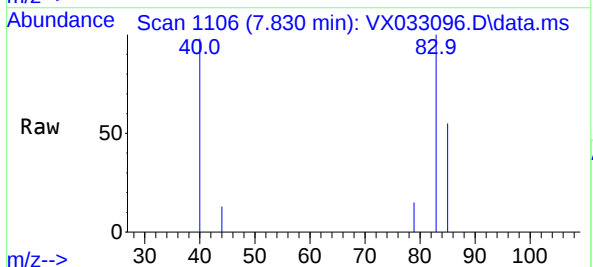
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.7  | 13.6  | 20.4  |
| 88  | 15.7  | 11.8  | 17.6  |

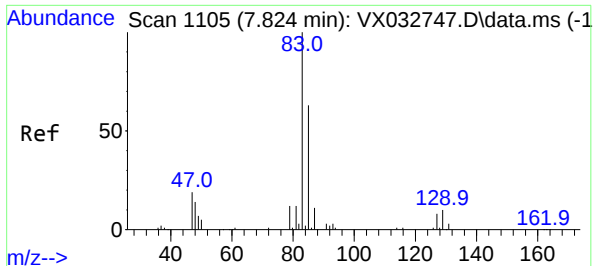


#38  
Methylcyclohexane  
Concen: 0.429 ug/l  
RT: 7.830 min Scan# 1106  
Delta R.T. 0.451 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

Tgt Ion: 83 Resp: 845

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 31.6  | 94.7# |
| 98  | 0.0   | 26.9  | 80.6# |

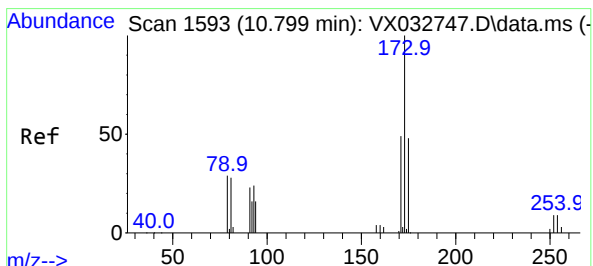
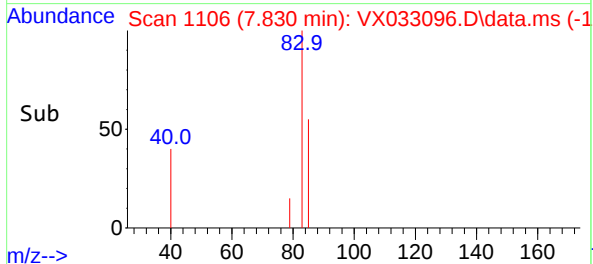
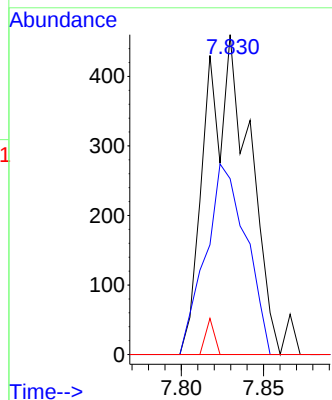
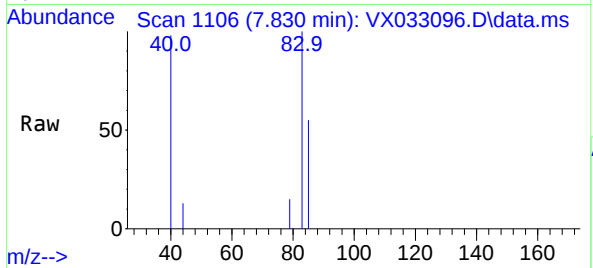




#41  
Bromodichloromethane  
Concen: 0.463 ug/l  
RT: 7.830 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

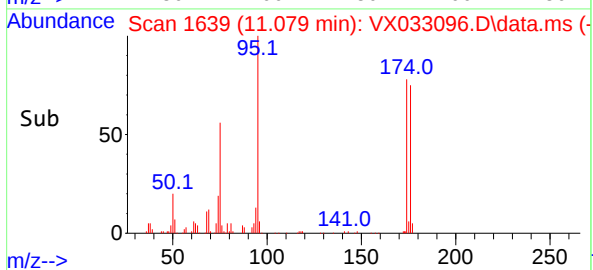
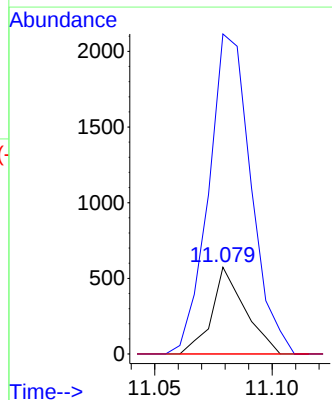
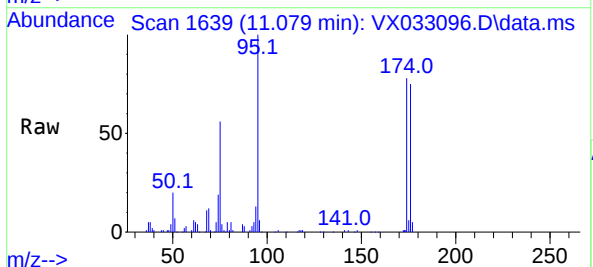
Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

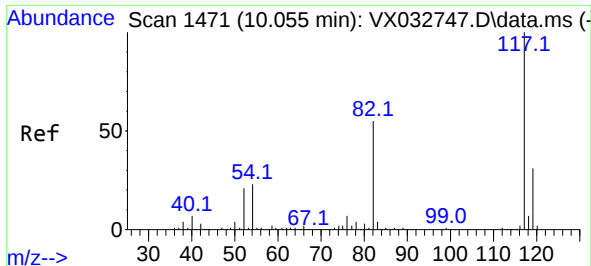
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|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 845       |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 55.0  | 52.3 78.5 |
| 127         | 0.0   | 6.8 10.2# |



#56  
Bromoform  
Concen: 0.553 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.280 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 173 | Resp: | 566        |
| Ion Ratio    | Lower | Upper      |
| 173          | 100   |            |
| 175          | 469.1 | 38.6 58.0# |
| 254          | 0.0   | 6.8 10.2#  |

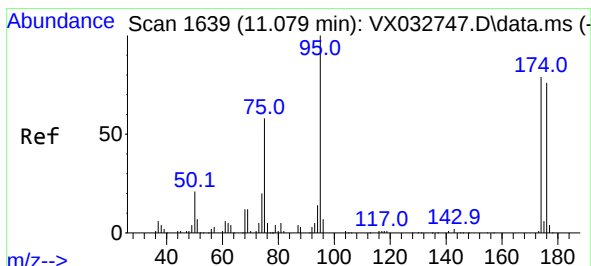
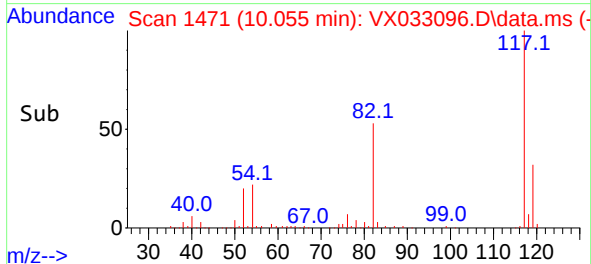
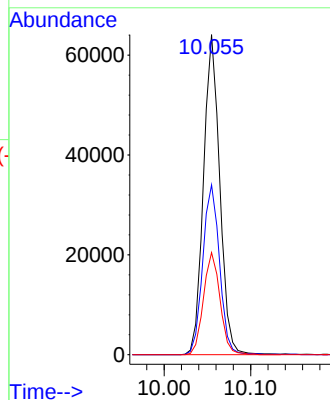
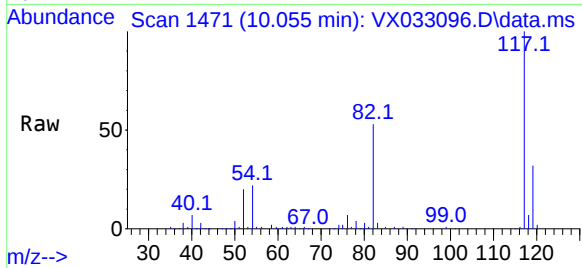




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

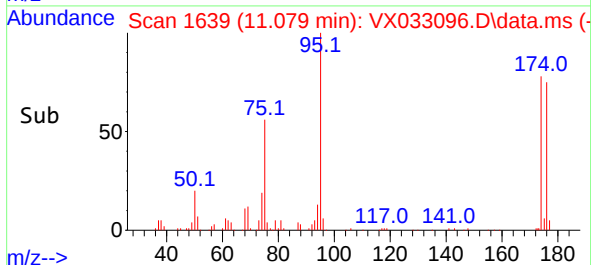
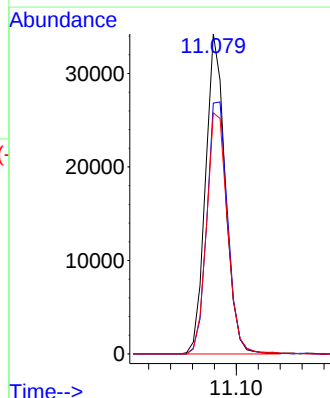
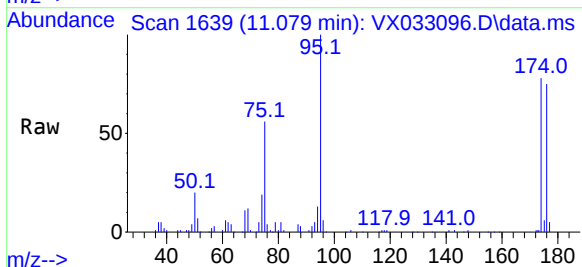
Instrument :  
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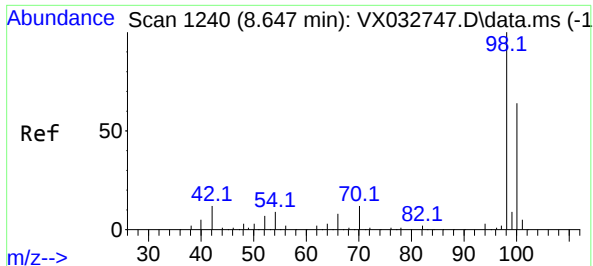
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 83852 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.6  | 40.0  | 60.0  |
| 119      | 32.5  | 26.0  | 39.0  |



#60  
4-Bromofluorobenzene  
Concen: 26.619 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 42696 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 83.0  | 68.2  | 102.2 |
| 176      | 79.8  | 68.1  | 102.1 |

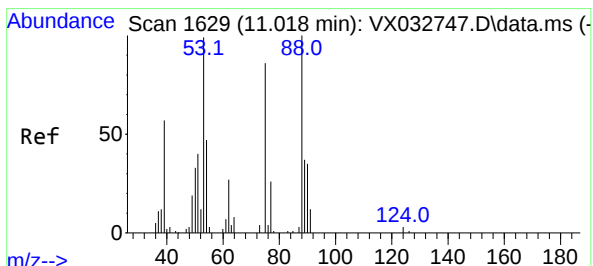
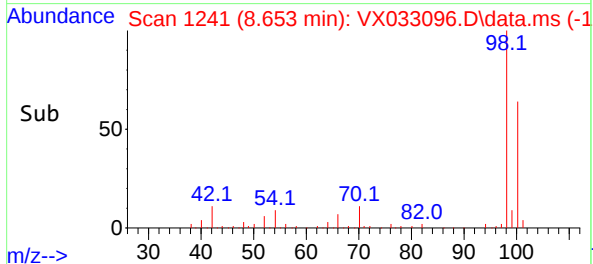
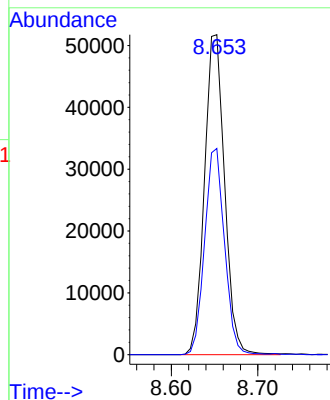
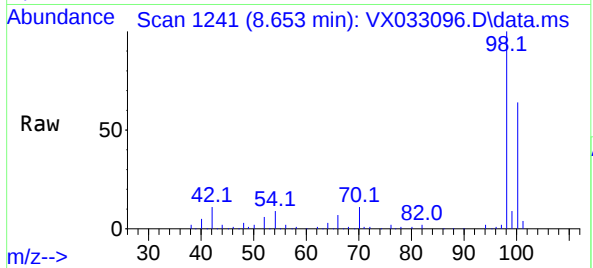




#63  
Toluene-d8  
Concen: 29.494 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

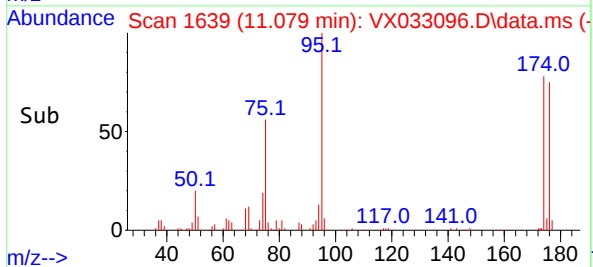
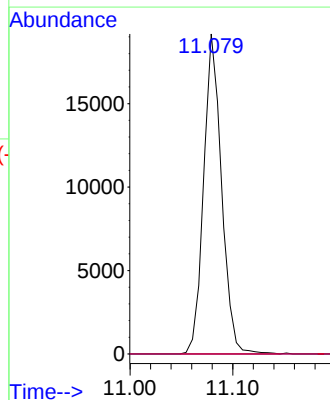
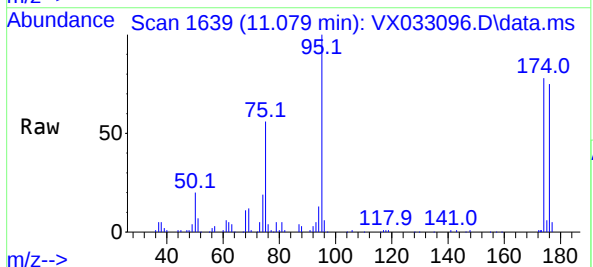
Instrument :  
MSVOA\_X  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

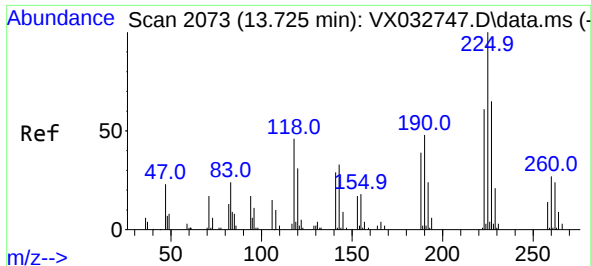
Tgt Ion: 98 Resp: 83462  
Ion Ratio Lower Upper  
98 100  
100 63.7 53.8 80.8



#77  
t-1,4-Dichloro-2-butene  
Concen: 46.478 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033096.D  
Acq: 28 Nov 2022 17:47

Tgt Ion: 75 Resp: 23299  
Ion Ratio Lower Upper  
75 100  
53 0.0 51.8 155.4#  
89 0.0 22.9 68.8#





#90

Hexachlorobutadiene

Concen: 0.584 ug/l

RT: 13.725 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX033096.D

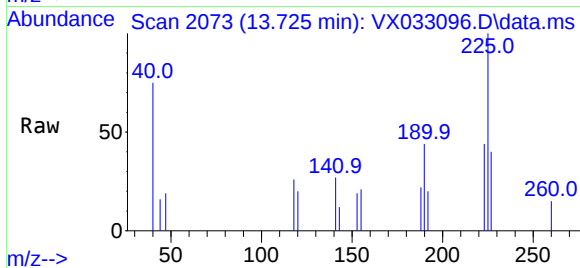
Acq: 28 Nov 2022 17:47

Instrument :

MSVOA\_X

ClientSampleId :

DSN-002-SEWER-OUTLET-002



Tgt Ion:225 Resp: 399

Ion Ratio Lower Upper

225 100

223 57.1 0.0 126.0

227 52.4 0.0 127.6

