

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091423\  
 Data File : VX037725.D  
 Acq On : 14 Sep 2023 13:18  
 Operator : JC/MD  
 Sample : 04392-02 20X  
 Misc : 5.72g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WASTE-VOC

Quant Time: Sep 14 16:12:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 10:10:04 2023  
 Response via : Initial Calibration

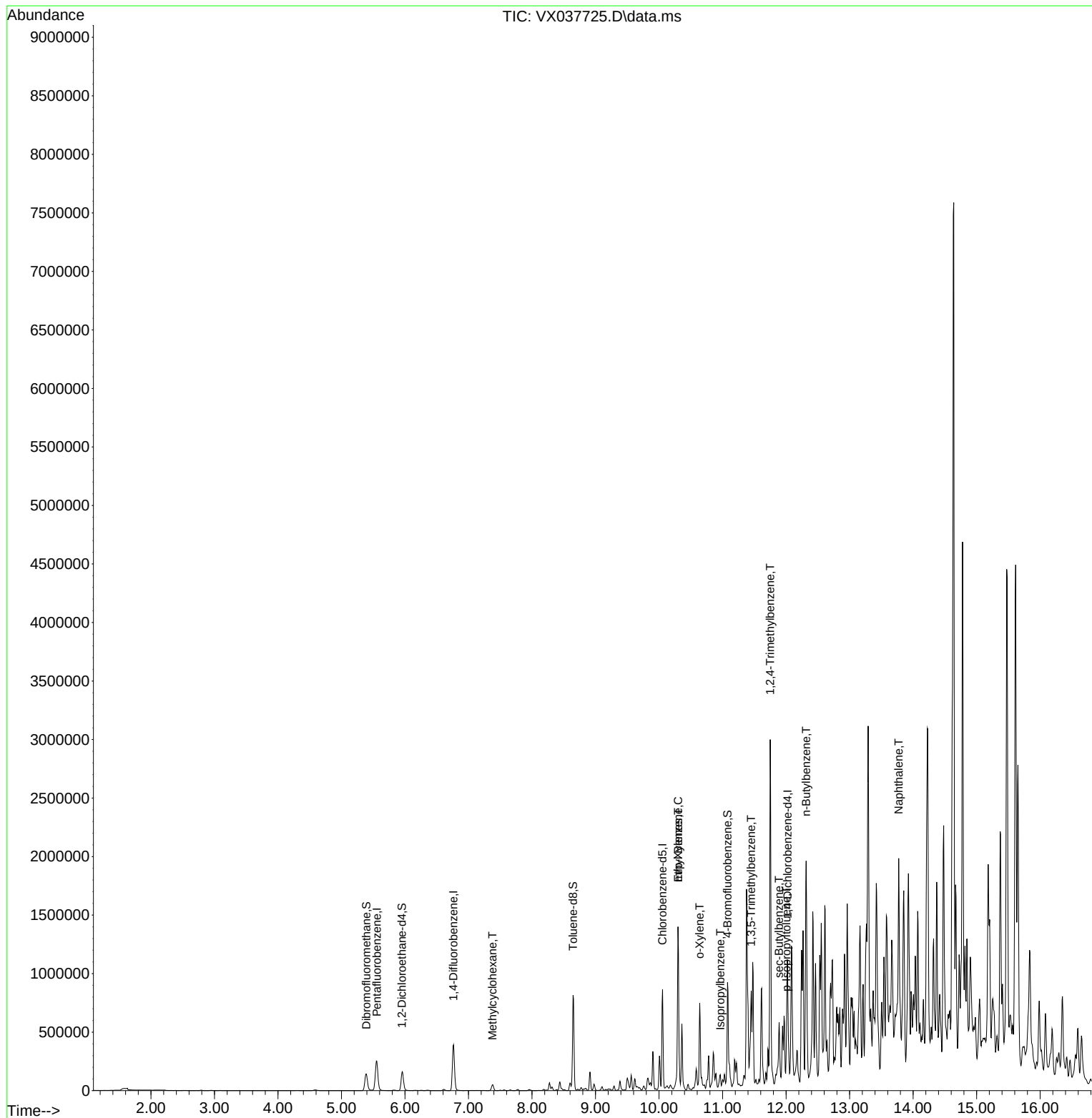
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 244116   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 408347   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 384630   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 198508   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 154566   | 39.134   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 78.260%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 127440   | 44.030   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 88.060%  |
| 50) Toluene-d8              | 8.647  | 98    | 497276   | 45.555   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 91.100%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 189114   | 48.020   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.040%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 39) Methylcyclohexane       | 7.378  | 83    | 23165    | 4.972    | ug/l   | 91       |
| 67) Ethyl Benzene           | 10.299 | 91    | 606887m  | 41.598   | ug/l   |          |
| 68) m/p-Xylenes             | 10.299 | 106   | 298792   | 53.711   | ug/l   | 98       |
| 69) o-Xylene                | 10.640 | 106   | 152888   | 27.566   | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.963 | 105   | 44890    | 3.020    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 307929   | 24.653   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 1206811  | 95.833   | ug/l   | 96       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 182677   | 11.792   | ug/l   | 90       |
| 86) p-Isopropyltoluene      | 12.006 | 119   | 102695   | 8.090    | ug/l   | 97       |
| 89) n-Butylbenzene          | 12.317 | 91    | 196436   | 17.086   | ug/l   | # 11     |
| 95) Naphthalene             | 13.774 | 128   | 1007596  | 69.031   | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

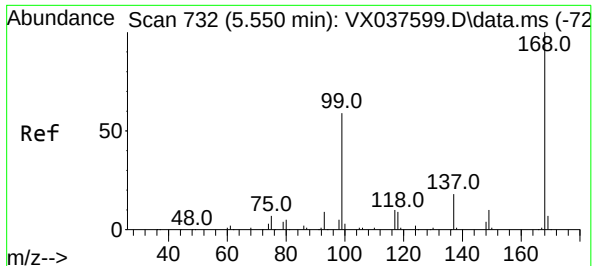
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091423\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-VOC

Quant Time: Sep 14 16:12:48 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 10:10:04 2023  
Response via : Initial Calibration

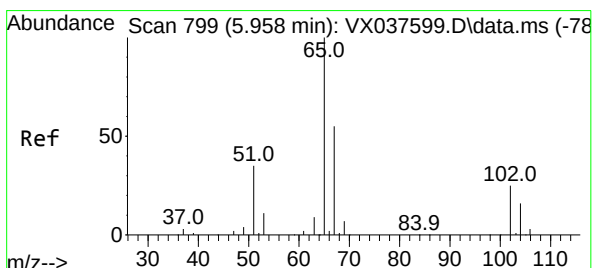
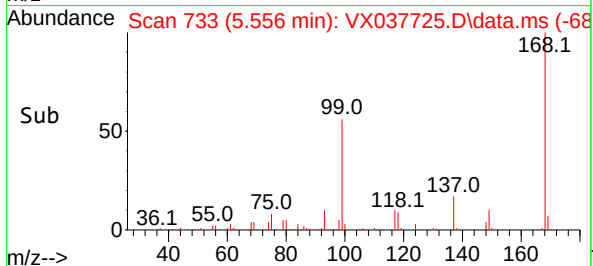
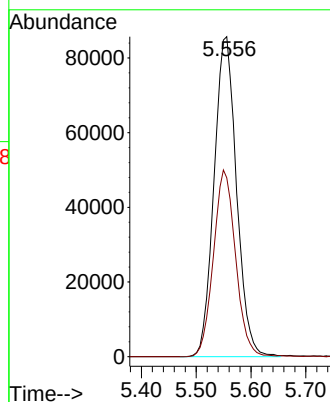
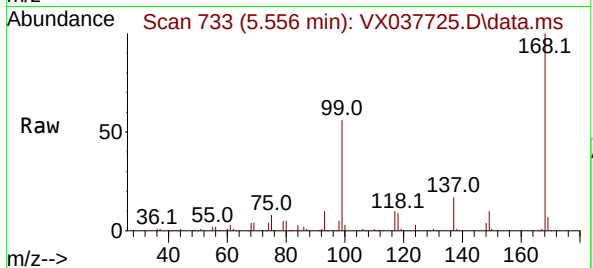




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

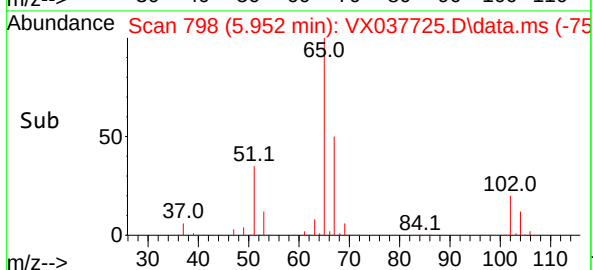
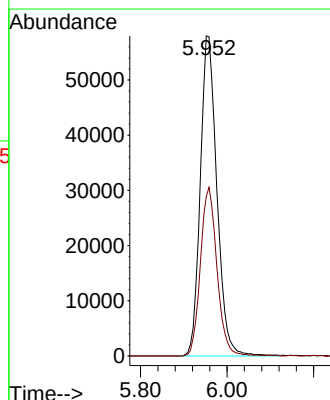
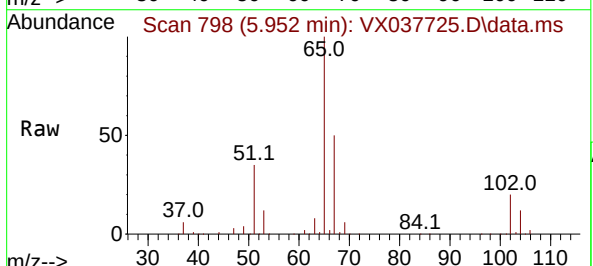
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-VOC

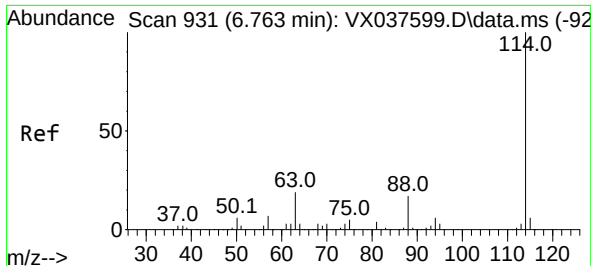
Tgt Ion:168 Resp: 244116  
Ion Ratio Lower Upper  
168 100  
99 55.9 56.6 85.0#



#33  
1,2-Dichloroethane-d4  
Concen: 39.134 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

Tgt Ion: 65 Resp: 154566  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 100.2

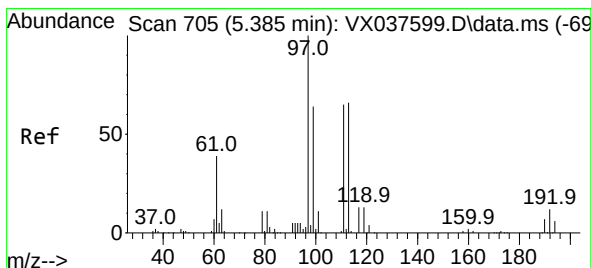
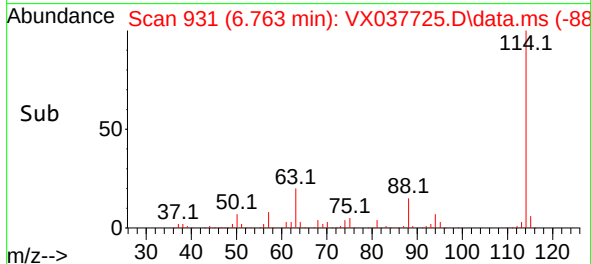
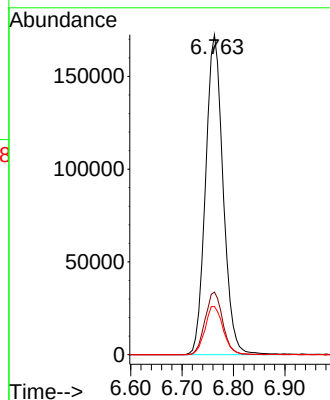
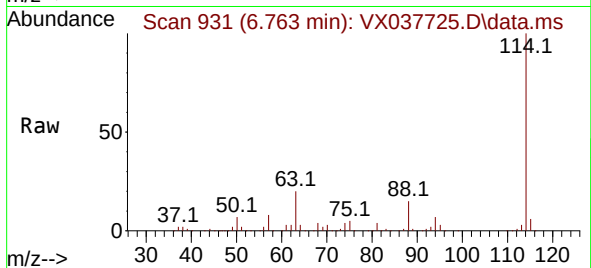




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

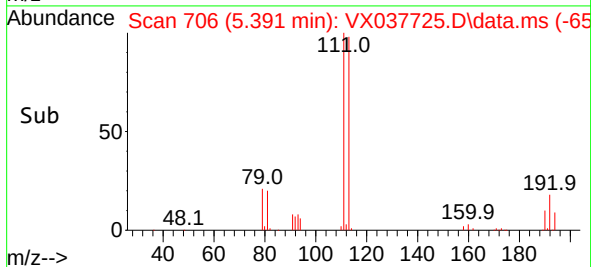
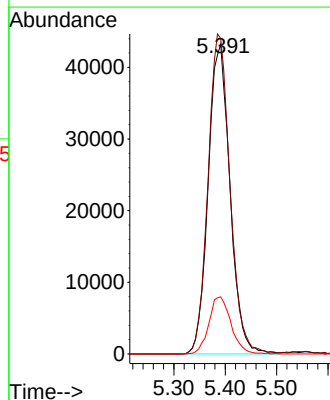
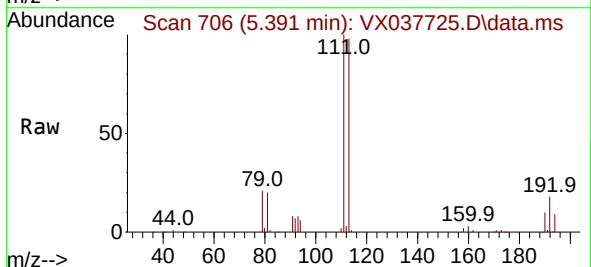
Instrument :  
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WASTE-VOC

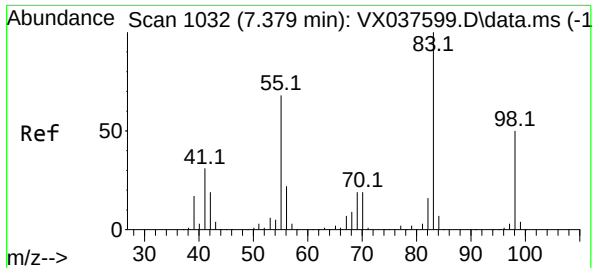
Tgt Ion:114 Resp: 408347  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 45.0  
88 15.0 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.030 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

Tgt Ion:113 Resp: 127440  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.9 124.3  
192 18.7 13.3 19.9





#39

Methylcyclohexane

Concen: 4.972 ug/l

RT: 7.378 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037725.D

Acq: 14 Sep 2023 13:18

Instrument :

MSVOA\_X

ClientSampleId :

WASTE-VOC

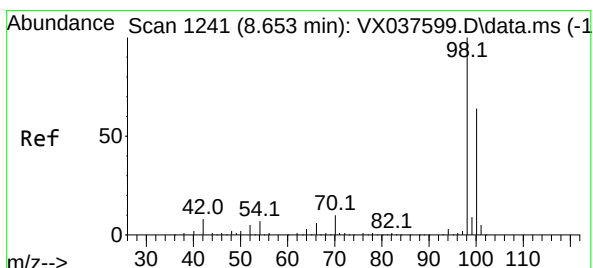
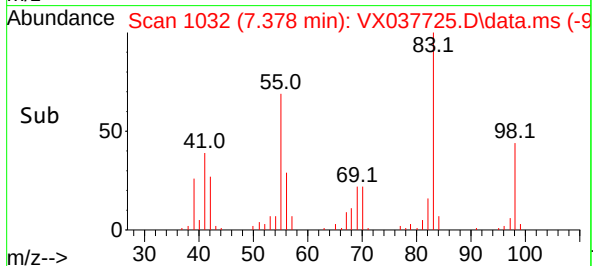
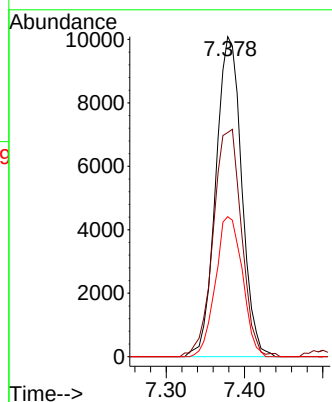
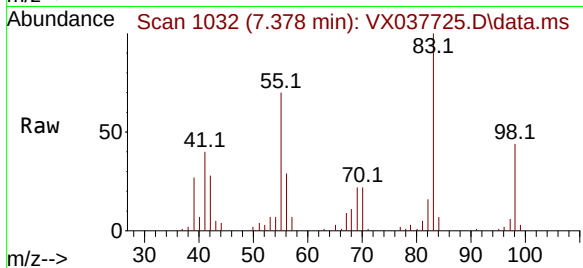
Tgt Ion: 83 Resp: 23165

Ion Ratio Lower Upper

83 100

55 70.1 64.6 97.0

98 43.7 36.7 55.1



#50

Toluene-d8

Concen: 45.555 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037725.D

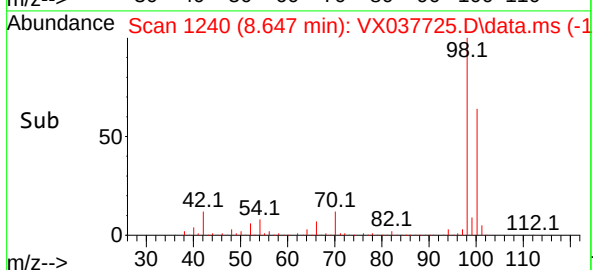
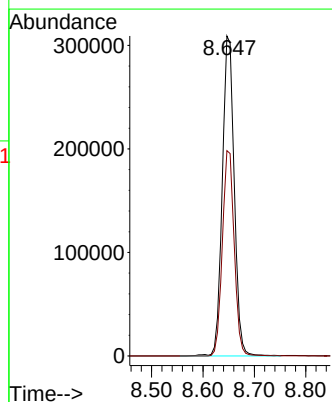
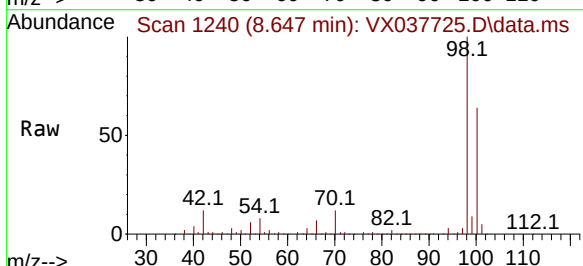
Acq: 14 Sep 2023 13:18

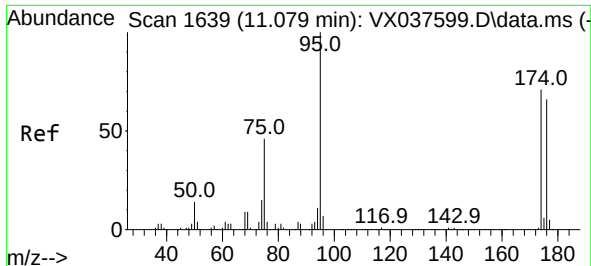
Tgt Ion: 98 Resp: 497276

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7

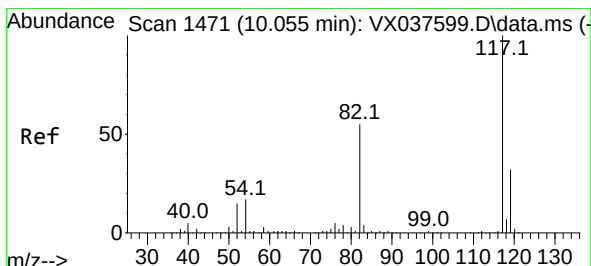
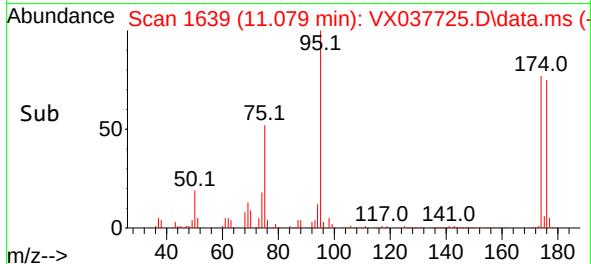
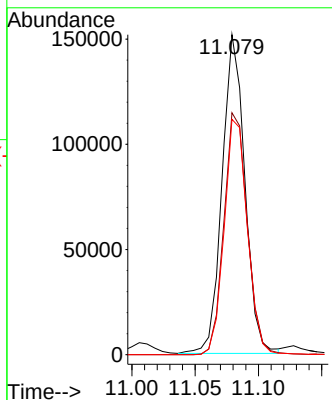
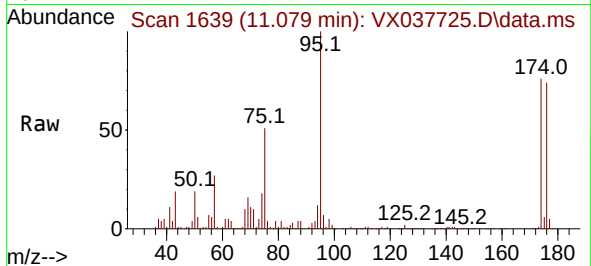




#62  
4-Bromofluorobenzene  
Concen: 48.020 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

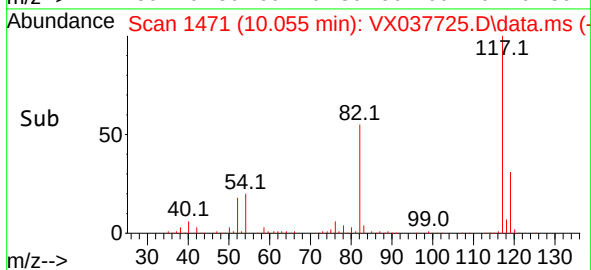
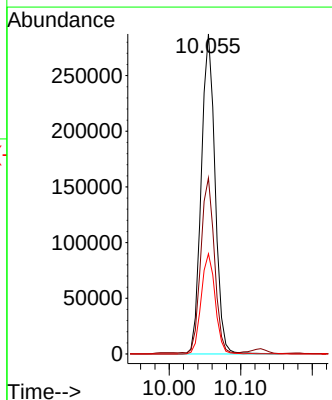
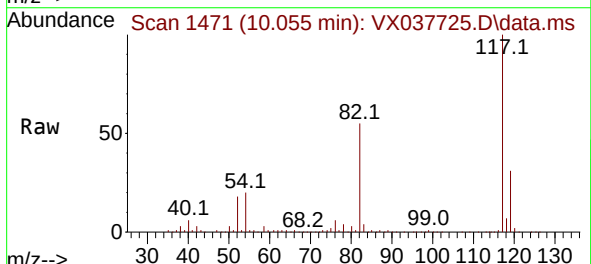
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-VOC

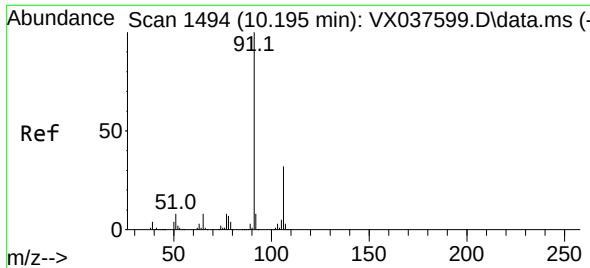
Tgt Ion: 95 Resp: 189114  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 135.6  
176 75.8 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

Tgt Ion: 117 Resp: 384630  
Ion Ratio Lower Upper  
117 100  
82 54.8 46.2 69.4  
119 31.3 25.5 38.3

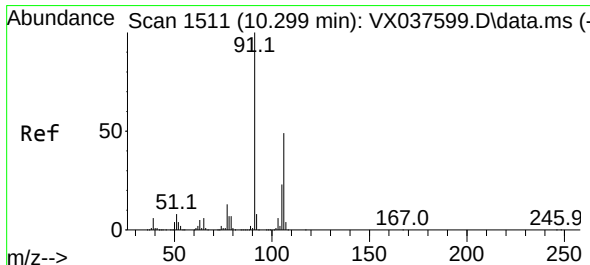
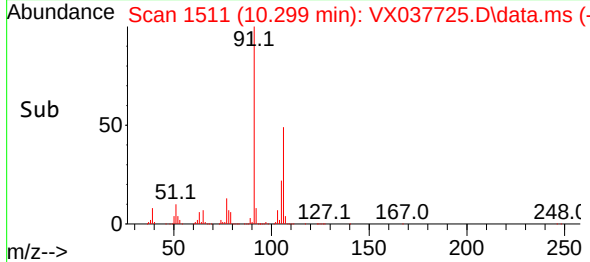
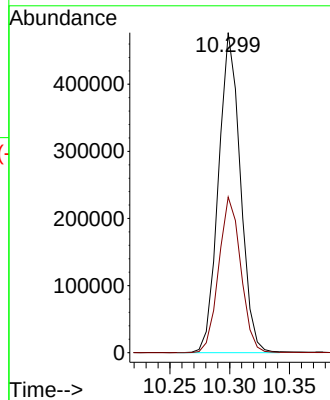
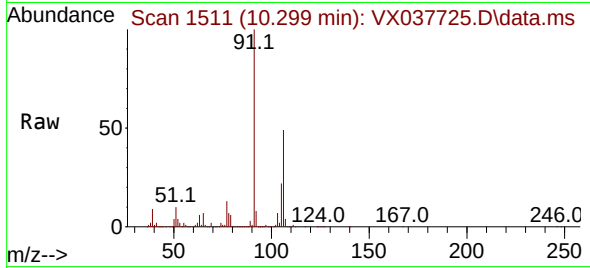




#67  
Ethyl Benzene  
Concen: 41.598 ug/l m  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.103 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

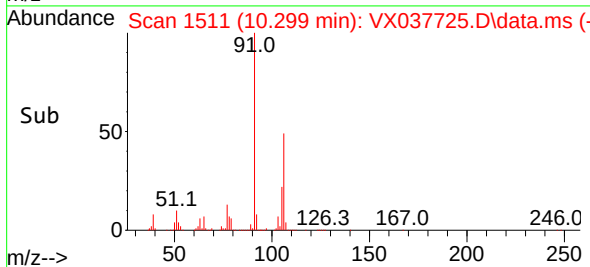
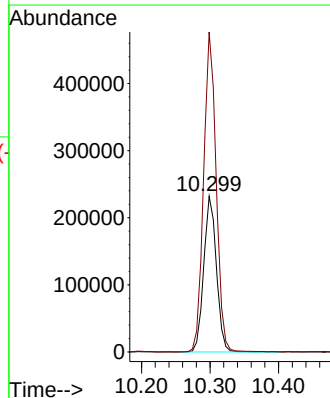
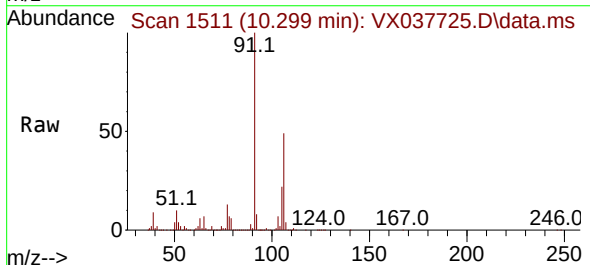
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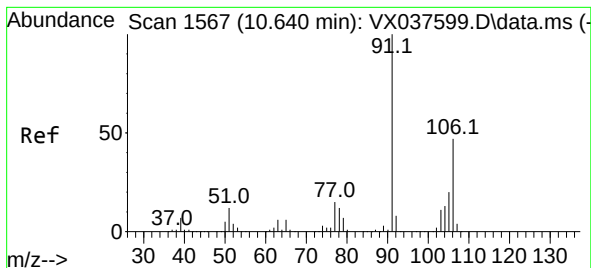
Tgt Ion: 91 Resp: 606887  
Ion Ratio Lower Upper  
91 100  
106 48.7 24.9 37.3#



#68  
m/p-Xylenes  
Concen: 53.711 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

Tgt Ion:106 Resp: 298792  
Ion Ratio Lower Upper  
106 100  
91 203.5 165.5 248.3





#69

o-Xylene

Concen: 27.566 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037725.D

Acq: 14 Sep 2023 13:18

Instrument :

MSVOA\_X

ClientSampleId :

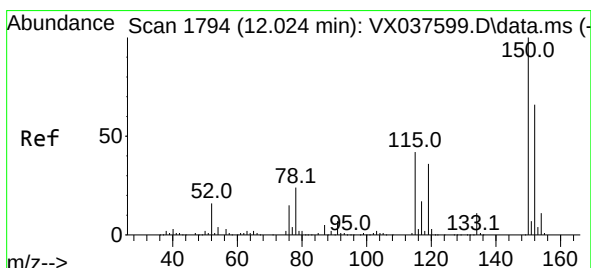
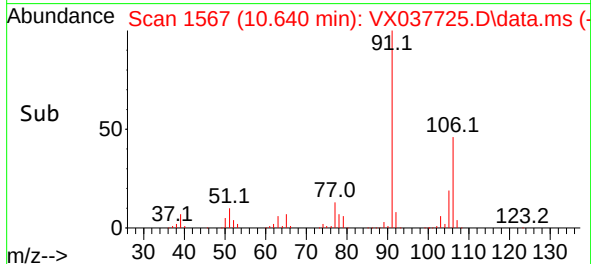
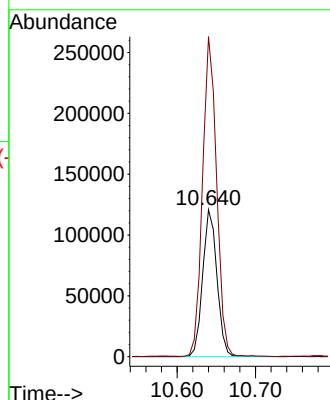
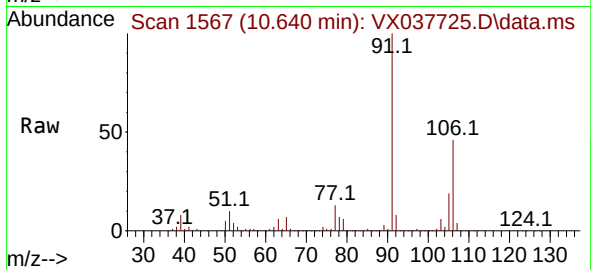
WASTE-VOC

Tgt Ion:106 Resp: 152888

Ion Ratio Lower Upper

106 100

91 214.7 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037725.D

Acq: 14 Sep 2023 13:18

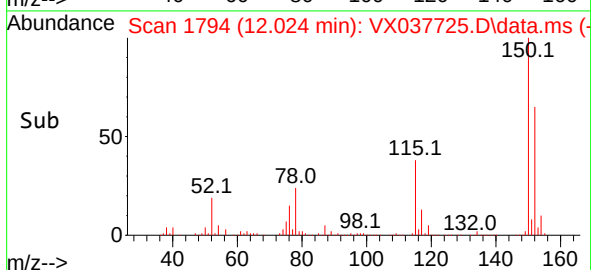
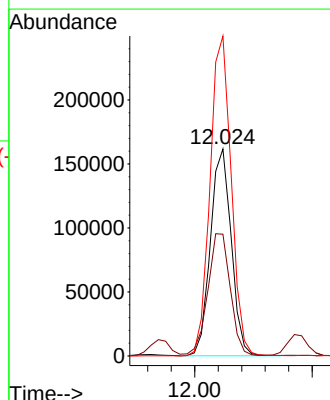
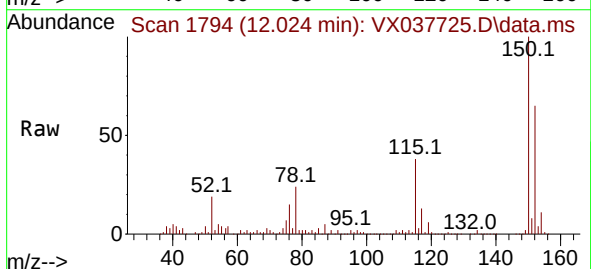
Tgt Ion:152 Resp: 198508

Ion Ratio Lower Upper

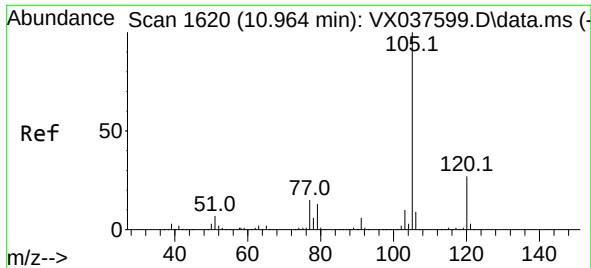
152 100

115 63.9 43.3 129.9

150 156.8 0.0 345.0



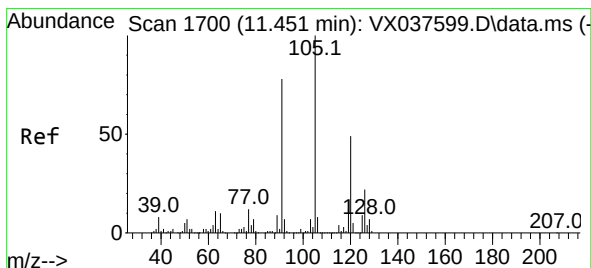
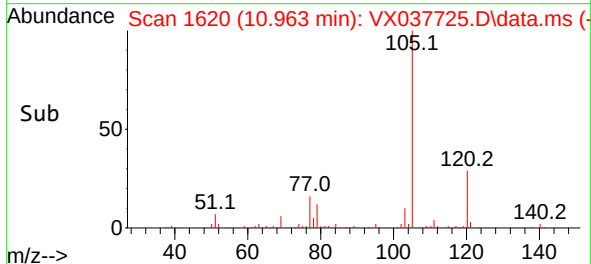
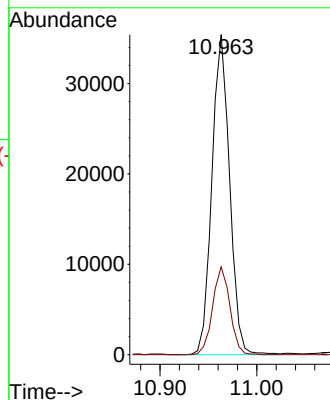
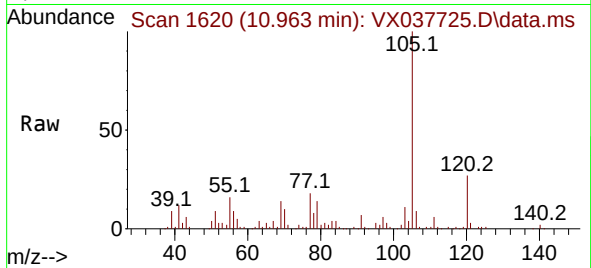




#73  
Isopropylbenzene  
Concen: 3.020 ug/l  
RT: 10.963 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

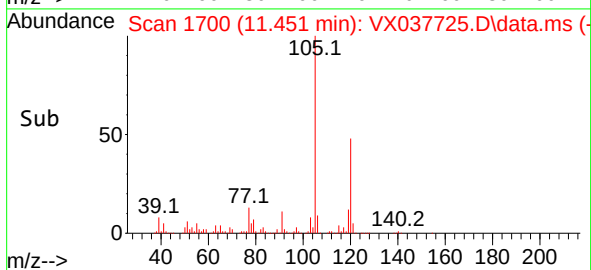
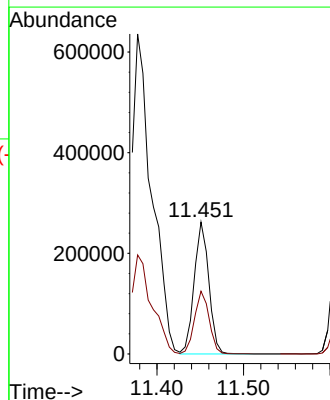
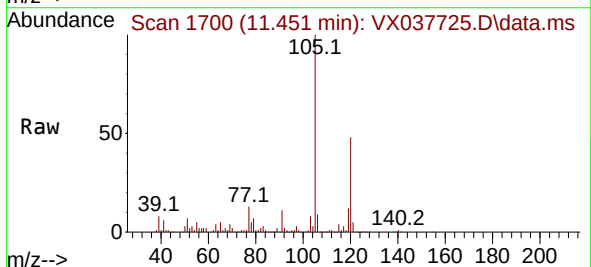
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-VOC

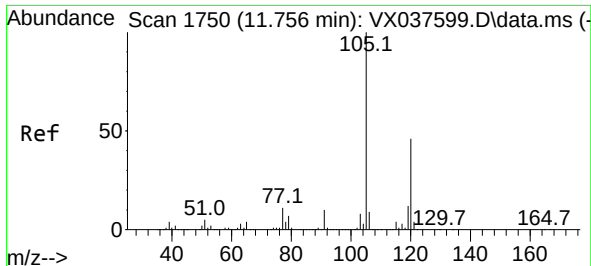
Tgt Ion:105 Resp: 44890  
Ion Ratio Lower Upper  
105 100  
120 26.7 12.9 38.6



#80  
1,3,5-Trimethylbenzene  
Concen: 24.653 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

Tgt Ion:105 Resp: 307929  
Ion Ratio Lower Upper  
105 100  
120 47.6 24.1 72.3

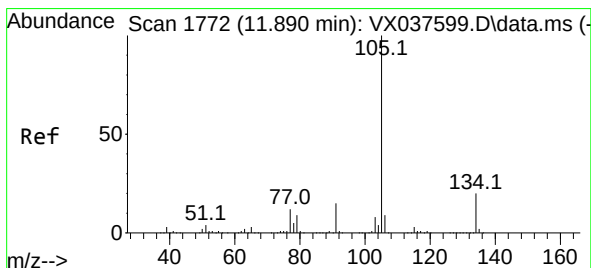
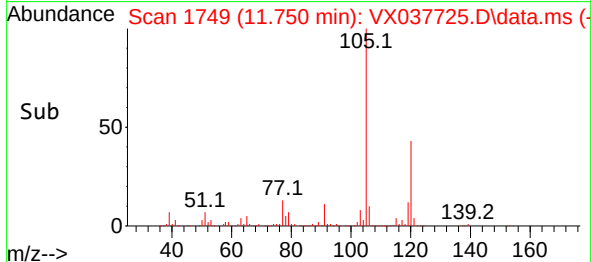
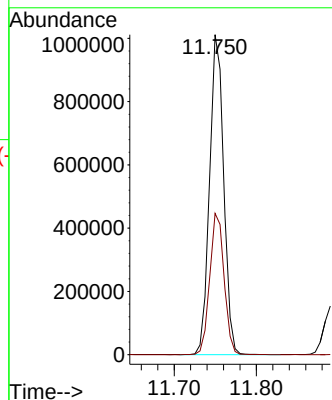
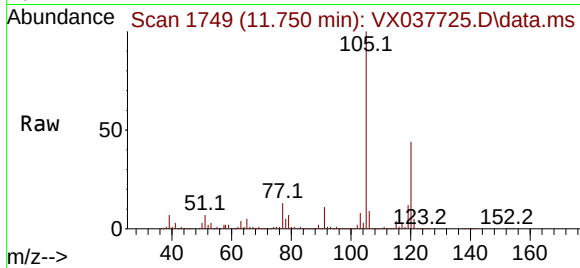




#84  
1,2,4-Trimethylbenzene  
Concen: 95.833 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

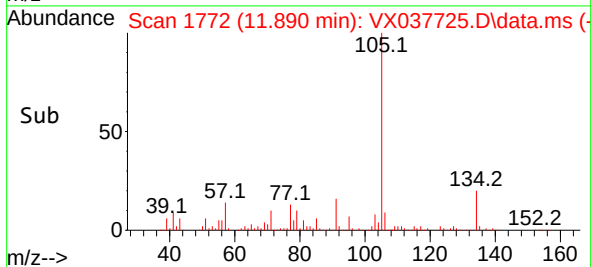
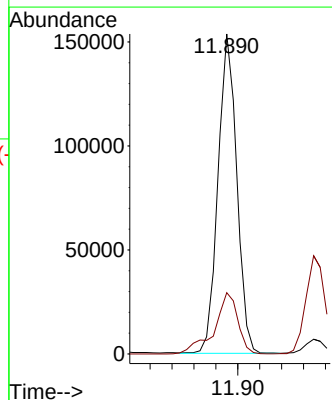
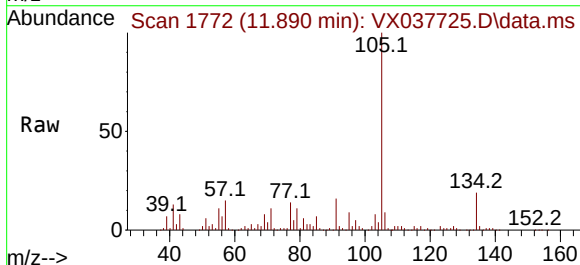
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-VOC

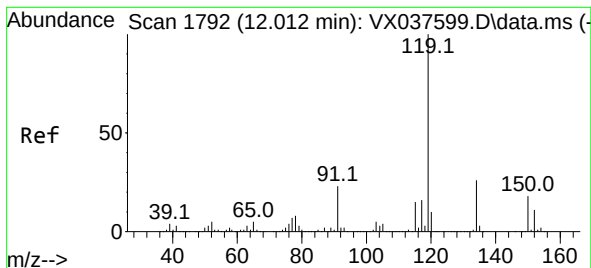
Tgt Ion:105 Resp: 1206811  
Ion Ratio Lower Upper  
105 100  
120 45.0 21.2 63.6



#85  
sec-Butylbenzene  
Concen: 11.792 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX037725.D  
Acq: 14 Sep 2023 13:18

Tgt Ion:105 Resp: 182677  
Ion Ratio Lower Upper  
105 100  
134 24.1 9.8 29.4





#86

p-Isopropyltoluene

Concen: 8.090 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037725.D

Acq: 14 Sep 2023 13:18

Instrument :

MSVOA\_X

ClientSampleId :

WASTE-VOC

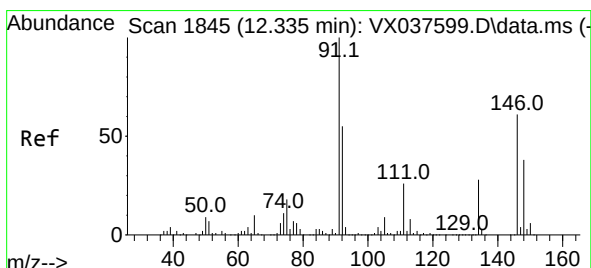
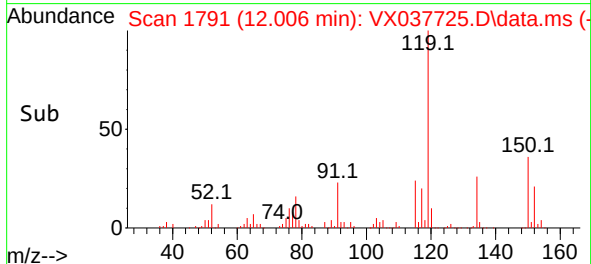
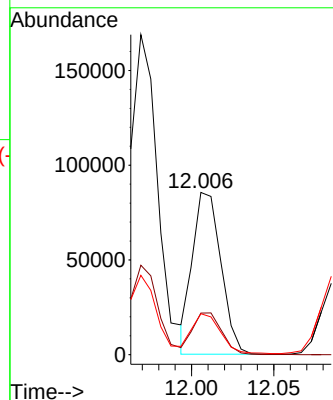
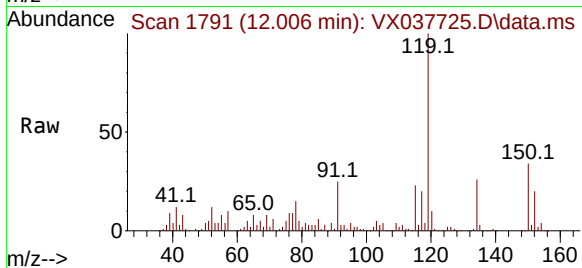
Tgt Ion:119 Resp: 102695

Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.3

91 24.6 13.1 39.3



#89

n-Butylbenzene

Concen: 17.086 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.019 min

Lab File: VX037725.D

Acq: 14 Sep 2023 13:18

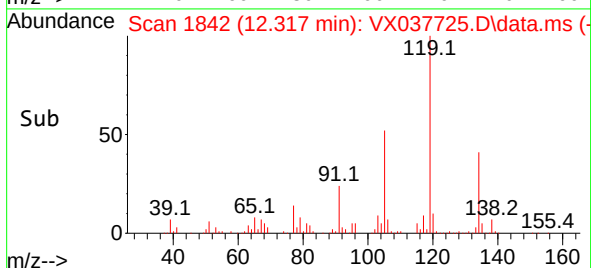
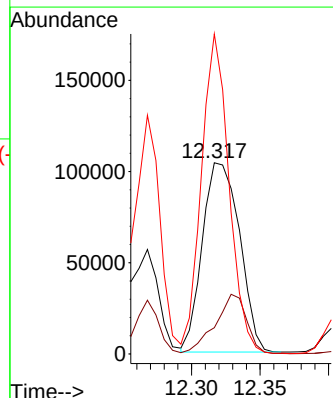
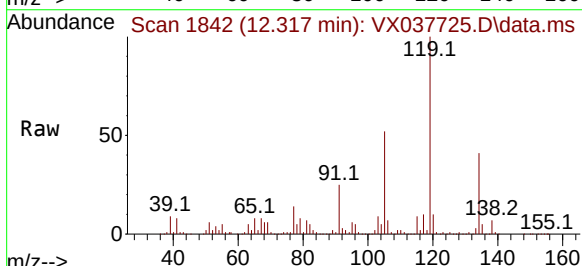
Tgt Ion: 91 Resp: 196436

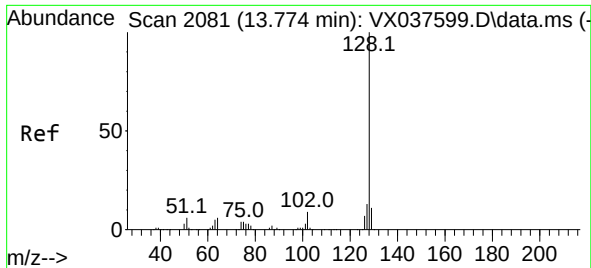
Ion Ratio Lower Upper

91 100

92 26.5 27.4 82.0#

134 125.0 12.6 37.8#





#95

Naphthalene

Concen: 69.031 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX037725.D

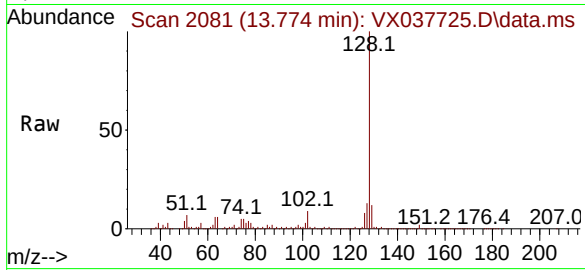
Acq: 14 Sep 2023 13:18

Instrument :

MSVOA\_X

ClientSampleId :

WASTE-VOC



Tgt Ion:128 Resp: 1007596

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 12.6 8.8 13.2

