

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101823\  
 Data File : VX038353.D  
 Acq On : 18 Oct 2023 11:34  
 Operator : JC/MD  
 Sample : 04881-01ME  
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 A455-SLUDGEME

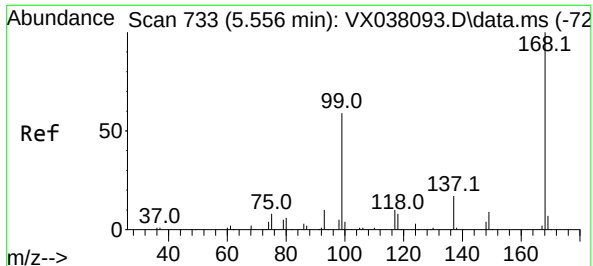
Quant Time: Oct 20 13:00:56 2023  
 Quant Title :  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 122509   | 50.000   | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 216083   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 216447   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 129910   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 83897    | 42.577   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 85.160%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 64825    | 41.634   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 83.260%  |
| 50) Toluene-d8              | 8.647  | 98    | 269384   | 45.277   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 90.560%# |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 110772   | 49.110   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 98.220%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 67) Ethyl Benzene           | 10.195 | 91    | 24726    | 3.058    | ug/l   | 95       |
| 68) m/p-Xylenes             | 10.299 | 106   | 30453    | 9.742    | ug/l   | 100      |
| 69) o-Xylene                | 10.640 | 106   | 15395    | 5.046    | ug/l   | 99       |
| 73) Isopropylbenzene        | 10.963 | 105   | 15432    | 1.771    | ug/l   | 98       |
| 78) n-propylbenzene         | 11.305 | 91    | 44883    | 4.213    | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 43250    | 5.754    | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 166984   | 22.282   | ug/l   | 96       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 31840    | 3.347    | ug/l   | 92       |
| 86) p-Isopropyltoluene      | 12.012 | 119   | 21020    | 2.678    | ug/l   | 98       |
| 89) n-Butylbenzene          | 12.329 | 91    | 54475    | 6.969    | ug/l # | 44       |
| 95) Naphthalene             | 13.780 | 128   | 32520    | 3.390    | ug/l # | 89       |
| -----                       |        |       |          |          |        |          |

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

Quant Time: Oct 20 13:00:56 2023  
Quant Title :  
QLast Update : Thu Oct 05 15:27:13 2023  
Response via : Initial Calibration

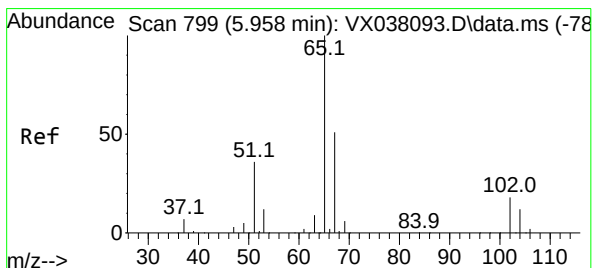
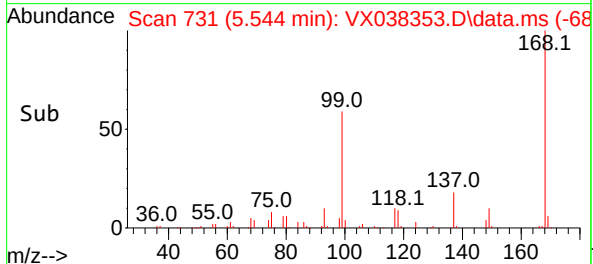
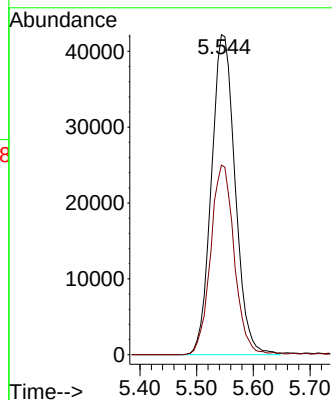
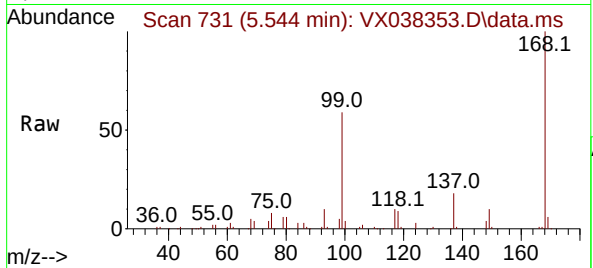




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

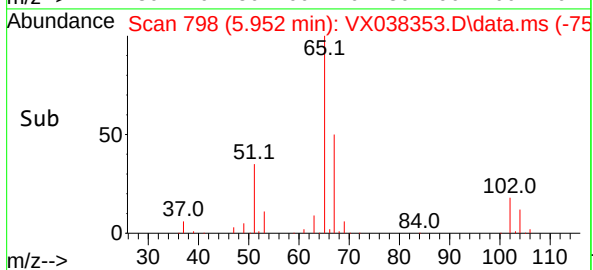
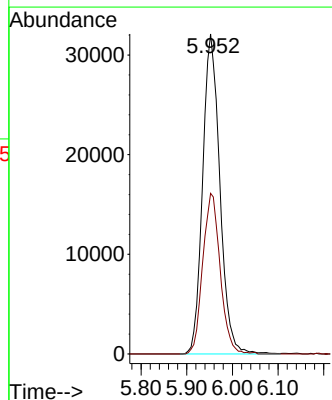
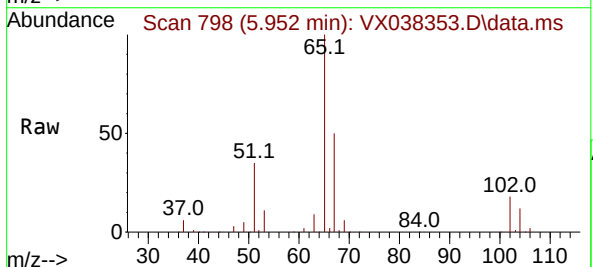
Instrument :  
MSVOA\_X  
ClientSampleId :  
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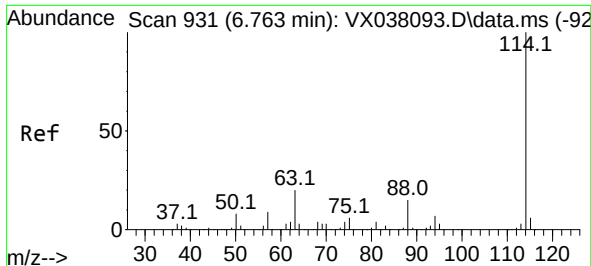
Tgt Ion:168 Resp: 122509  
Ion Ratio Lower Upper  
168 100  
99 59.3 56.6 85.0



#33  
1,2-Dichloroethane-d4  
Concen: 42.577 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion: 65 Resp: 83897  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 100.2

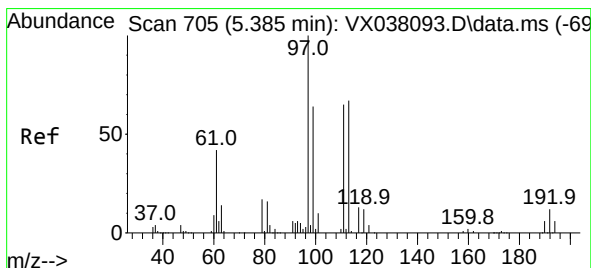
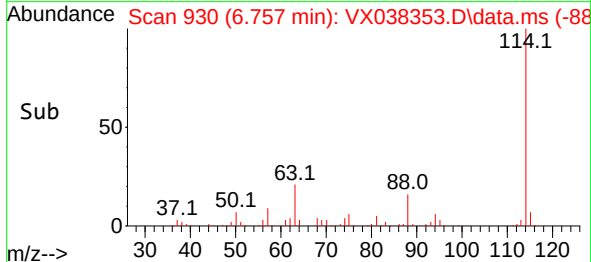
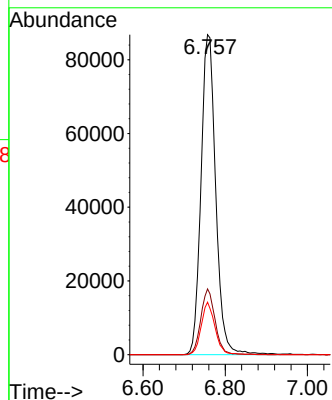
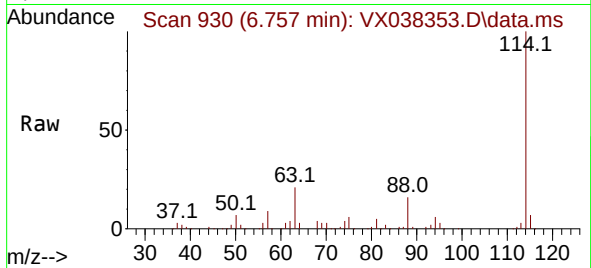




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

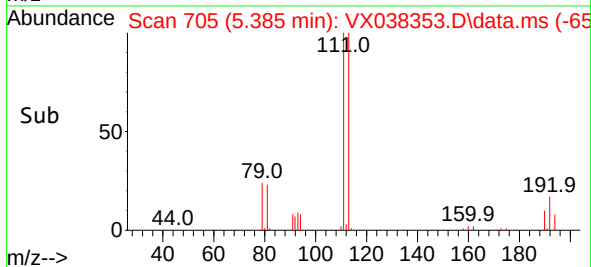
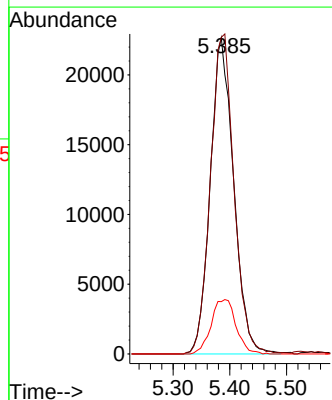
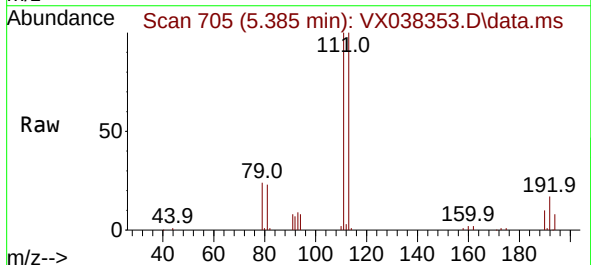
Instrument :  
MSVOA\_X  
ClientSampleId :  
A455-SLUDGE

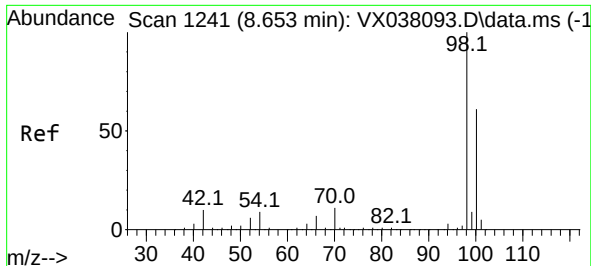
Tgt Ion:114 Resp: 216083  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 45.0  
88 16.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 41.634 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion:113 Resp: 64825  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.9 124.3  
192 18.3 13.3 19.9

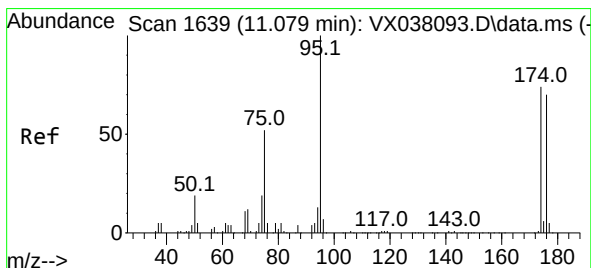
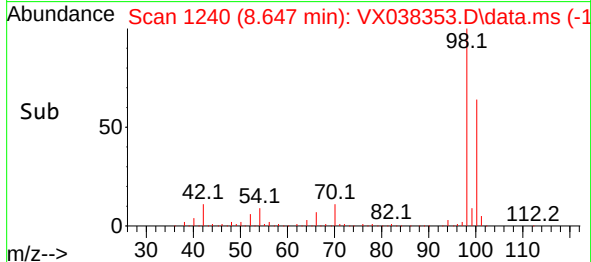
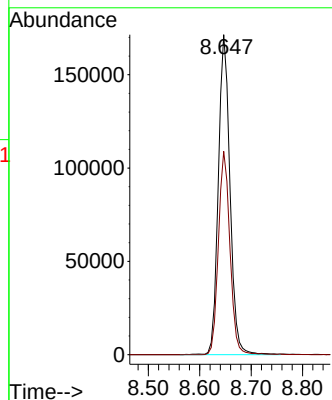
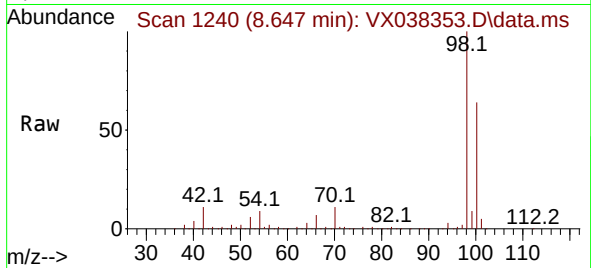




#50  
Toluene-d8  
Concen: 45.277 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

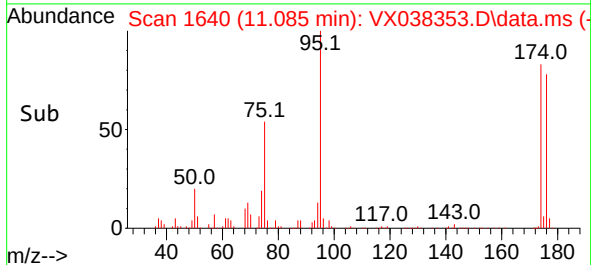
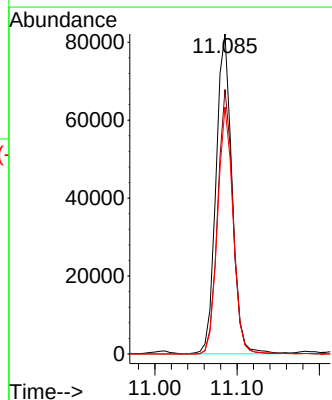
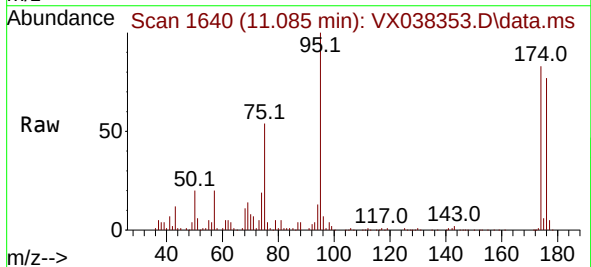
Instrument :  
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A455-SLUDGEME

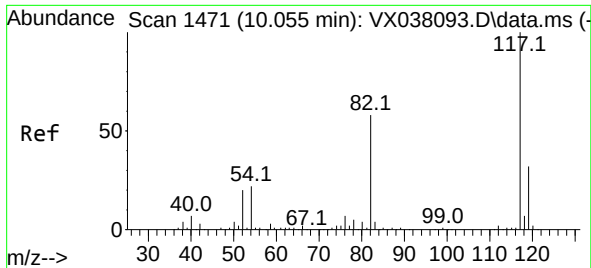
Tgt Ion: 98 Resp: 269384  
Ion Ratio Lower Upper  
98 100  
100 63.0 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 49.110 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion: 95 Resp: 110772  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 135.6  
176 75.0 0.0 131.0

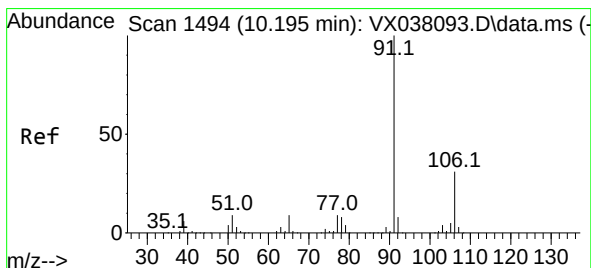
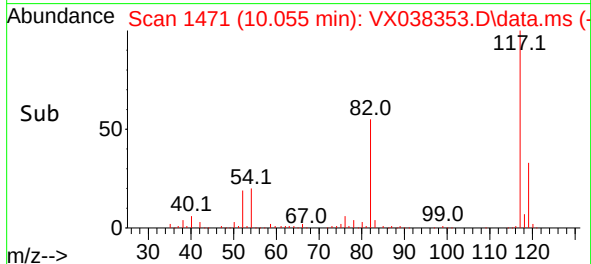
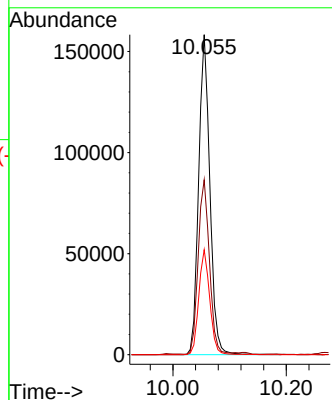
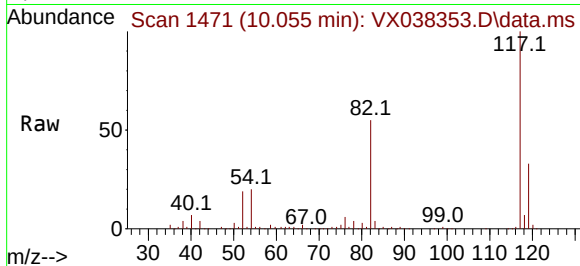




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

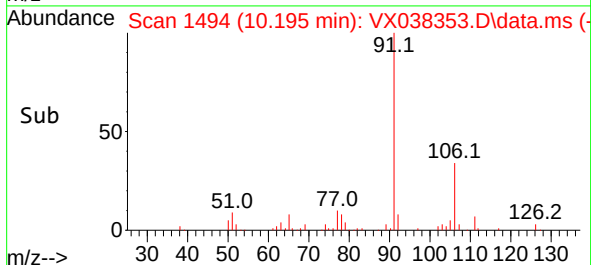
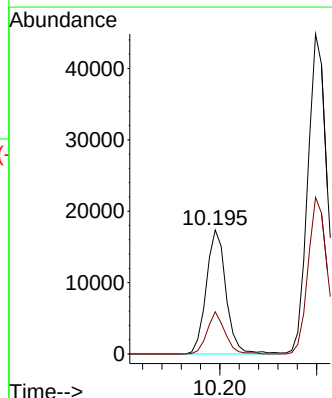
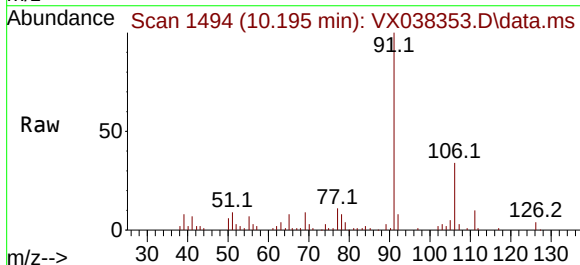
Instrument :  
MSVOA\_X  
ClientSampleId :  
A455-SLUDGEME

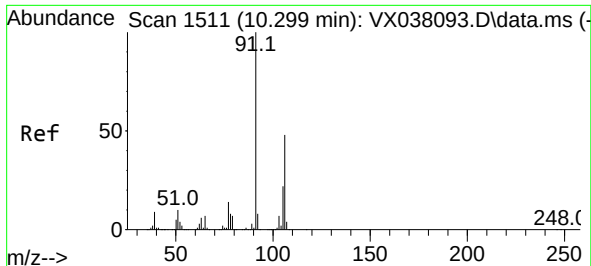
Tgt Ion:117 Resp: 216447  
Ion Ratio Lower Upper  
117 100  
82 54.5 46.2 69.4  
119 32.8 25.5 38.3



#67  
Ethyl Benzene  
Concen: 3.058 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion: 91 Resp: 24726  
Ion Ratio Lower Upper  
91 100  
106 34.1 24.9 37.3

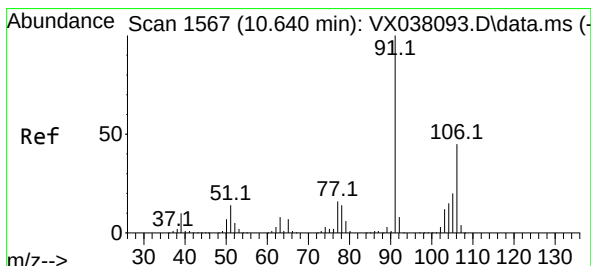
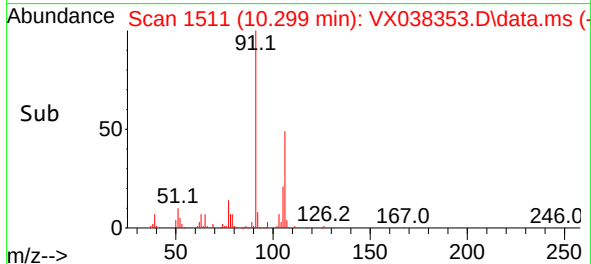
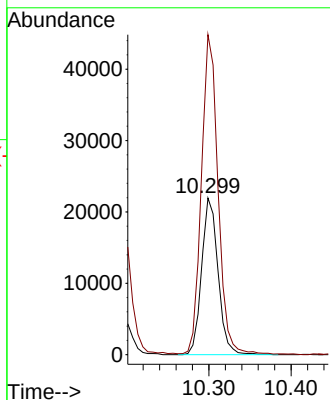
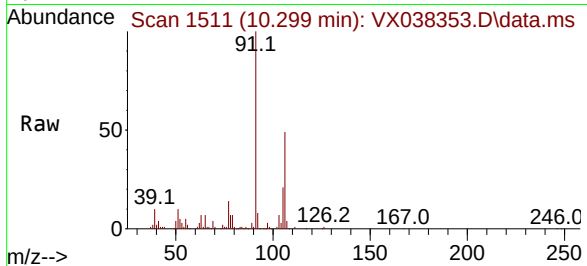




#68  
m/p-Xylenes  
Concen: 9.742 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

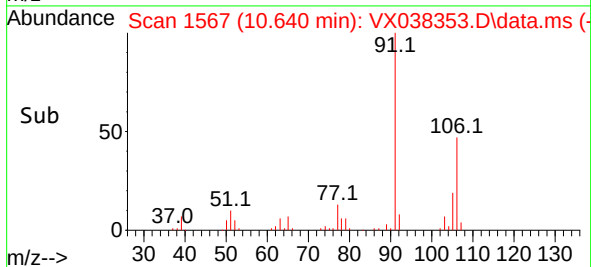
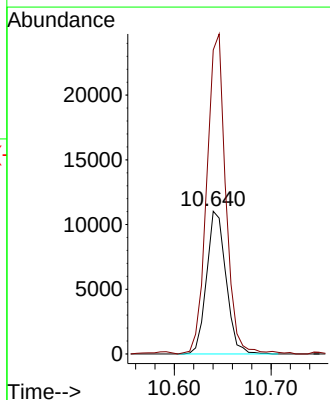
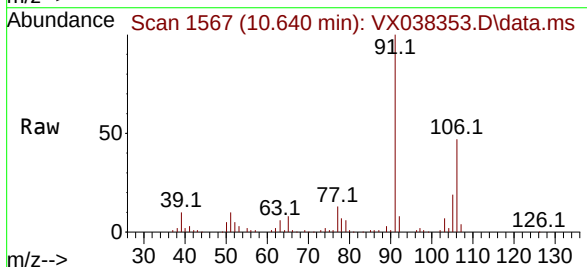
Instrument :  
MSVOA\_X  
ClientSampleId :  
A455-SLUDGEME

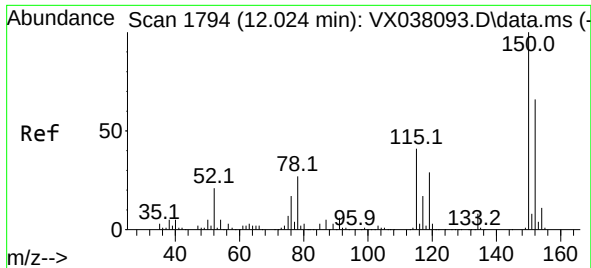
Tgt Ion:106 Resp: 30453  
Ion Ratio Lower Upper  
106 100  
91 206.3 165.5 248.3



#69  
o-Xylene  
Concen: 5.046 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion:106 Resp: 15395  
Ion Ratio Lower Upper  
106 100  
91 219.5 108.9 326.8

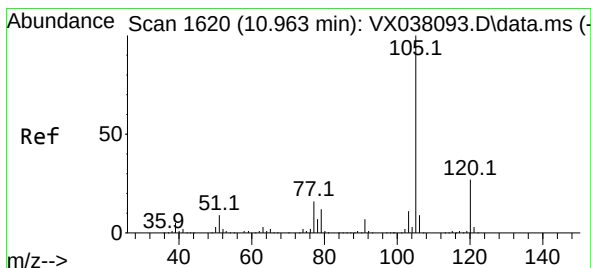
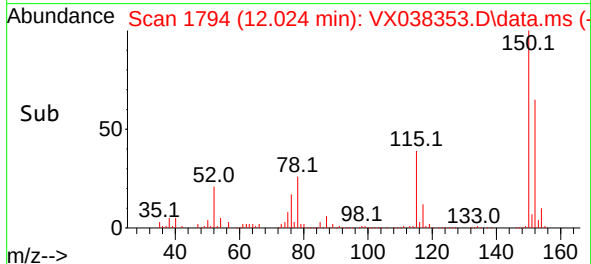
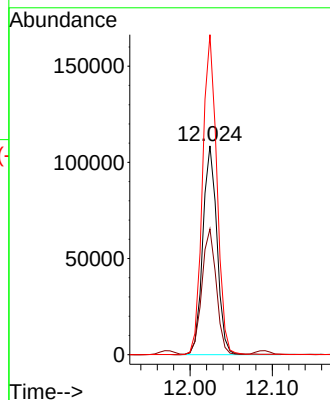
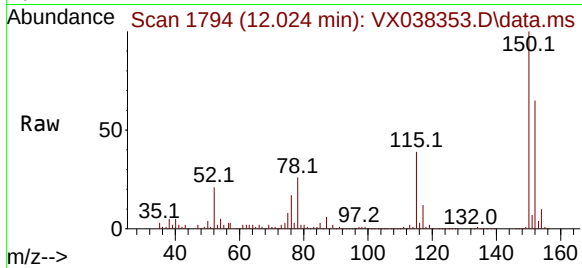




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

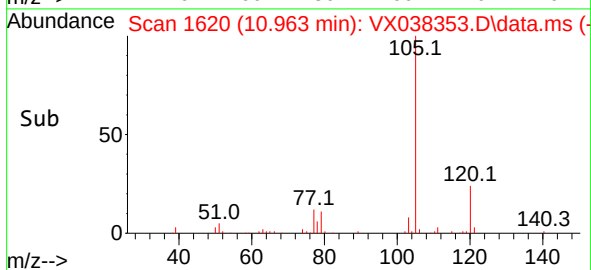
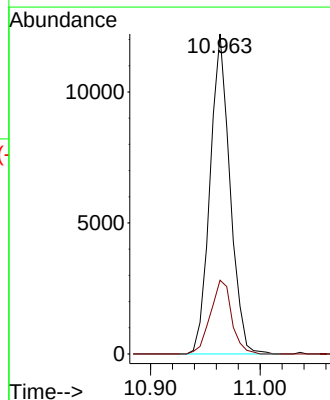
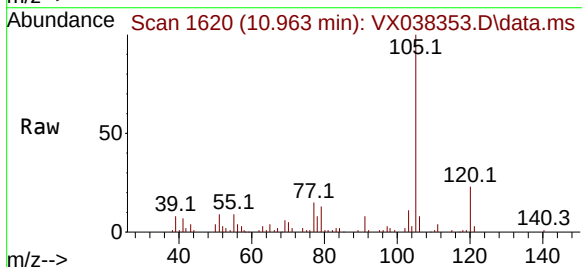
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MSVOA\_X  
ClientSampleId :  
A455-SLUDGEME

Tgt Ion:152 Resp: 129910  
Ion Ratio Lower Upper  
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150 155.4 0.0 345.0

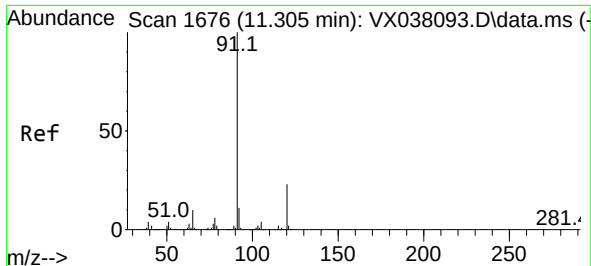


#73  
Isopropylbenzene  
Concen: 1.771 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion:105 Resp: 15432  
Ion Ratio Lower Upper  
105 100  
120 24.5 12.9 38.6



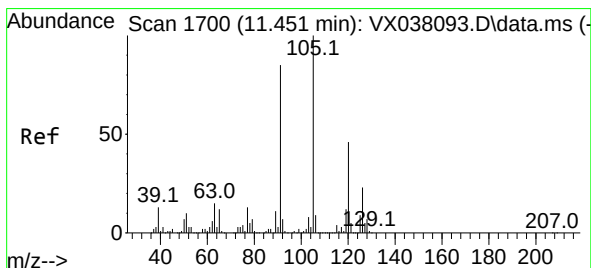
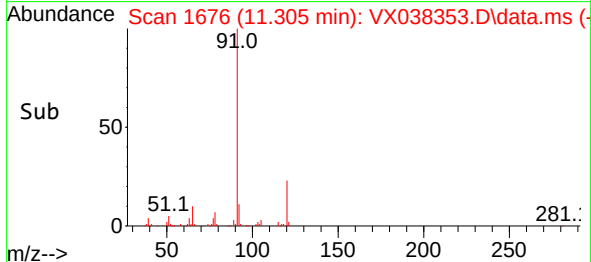
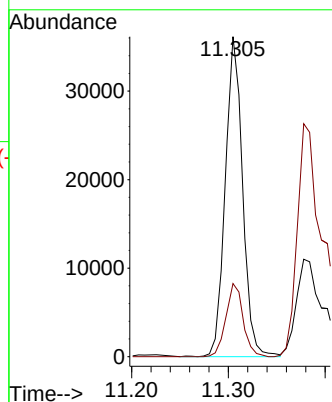
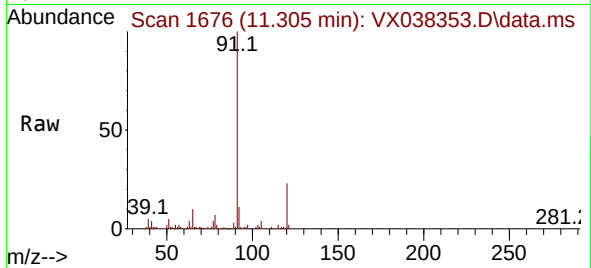




#78  
n-propylbenzene  
Concen: 4.213 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

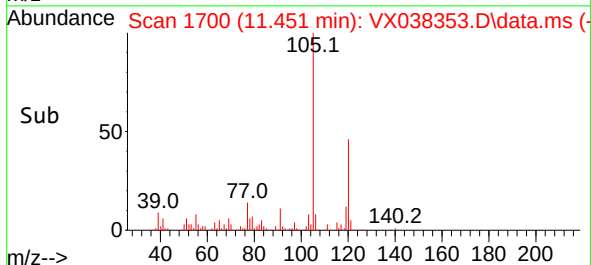
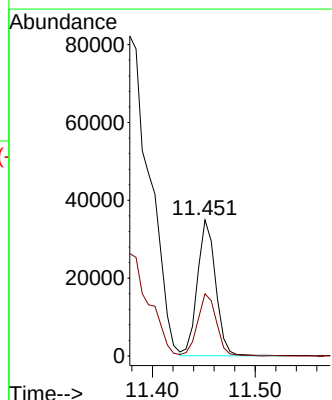
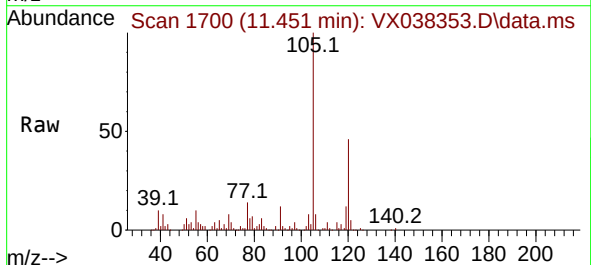
Instrument :  
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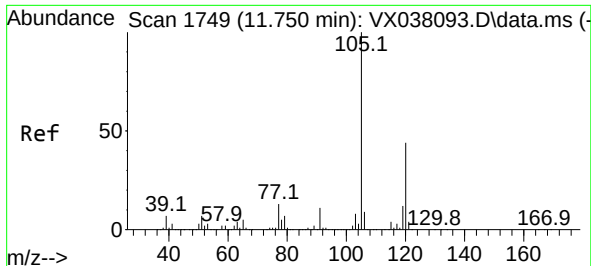
Tgt Ion: 91 Resp: 44883  
Ion Ratio Lower Upper  
91 100  
120 22.7 11.5 34.4



#80  
1,3,5-Trimethylbenzene  
Concen: 5.754 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion: 105 Resp: 43250  
Ion Ratio Lower Upper  
105 100  
120 47.2 24.1 72.3

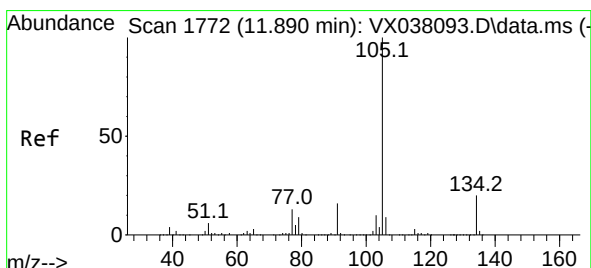
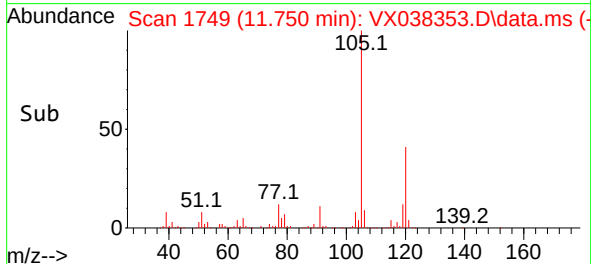
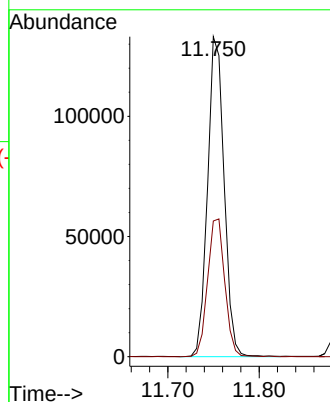
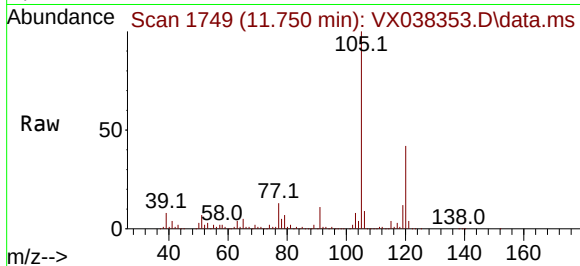




#84  
1,2,4-Trimethylbenzene  
Concen: 22.282 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

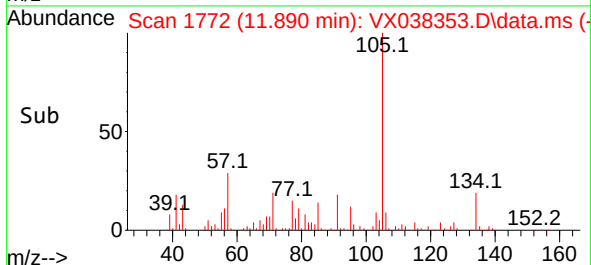
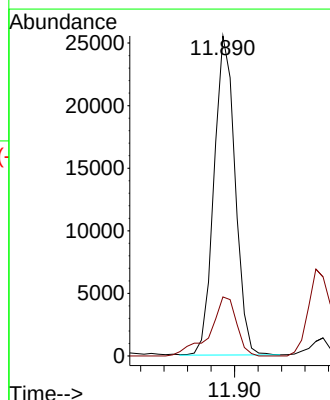
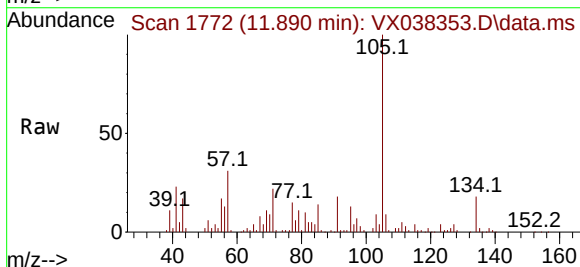
Instrument :  
MSVOA\_X  
ClientSampleId :  
A455-SLUDGEME

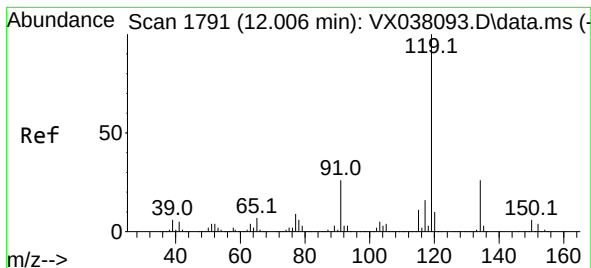
Tgt Ion:105 Resp: 166984  
Ion Ratio Lower Upper  
105 100  
120 44.8 21.2 63.6



#85  
sec-Butylbenzene  
Concen: 3.347 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Tgt Ion:105 Resp: 31840  
Ion Ratio Lower Upper  
105 100  
134 23.3 9.8 29.4





#86

p-Isopropyltoluene

Concen: 2.678 ug/l

RT: 12.012 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038353.D

Acq: 18 Oct 2023 11:34

Instrument :

MSVOA\_X

ClientSampleId :

A455-SLUDGEME

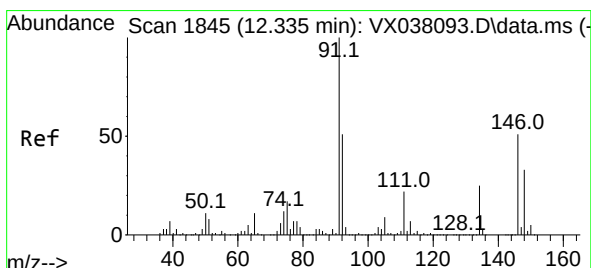
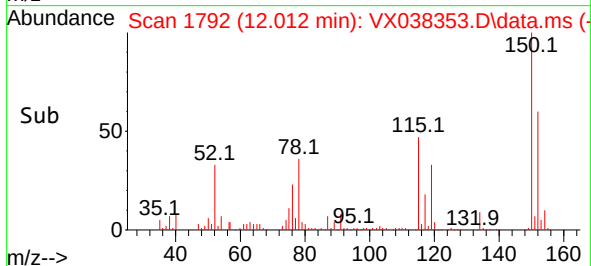
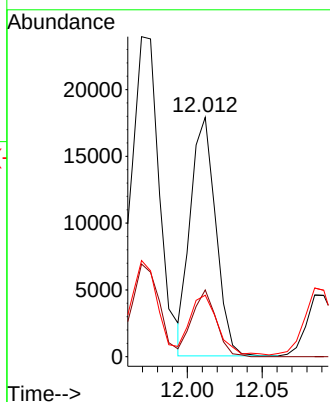
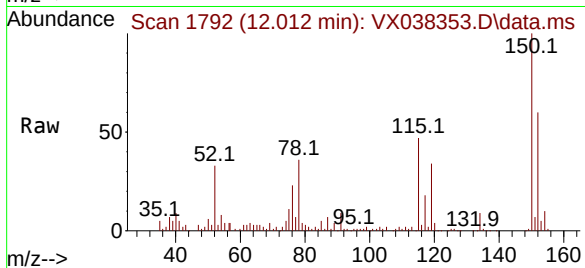
Tgt Ion:119 Resp: 21020

Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.3

91 27.3 13.1 39.3



#89

n-Butylbenzene

Concen: 6.969 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX038353.D

Acq: 18 Oct 2023 11:34

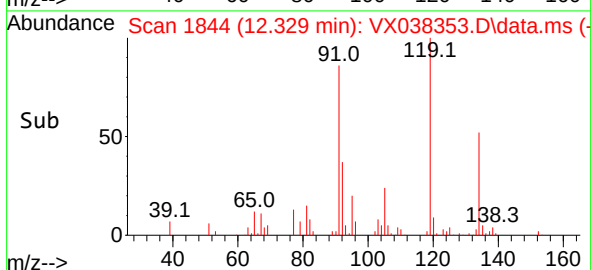
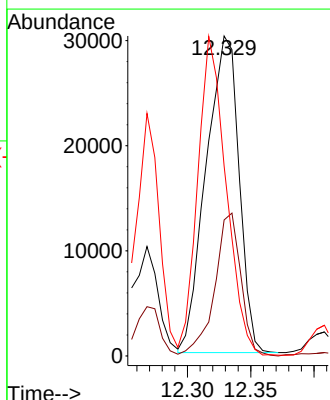
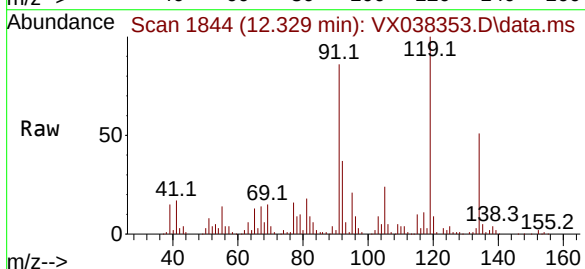
Tgt Ion: 91 Resp: 54475

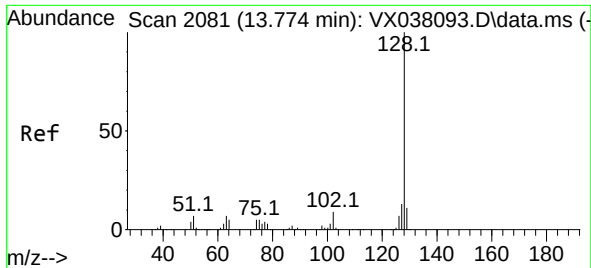
Ion Ratio Lower Upper

91 100

92 35.9 27.4 82.0

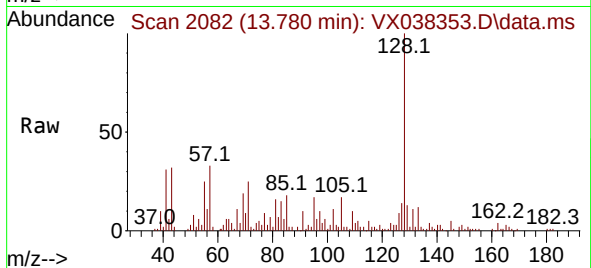
134 86.7 12.6 37.8#





#95  
Naphthalene  
Concen: 3.390 ug/l  
RT: 13.780 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX038353.D  
Acq: 18 Oct 2023 11:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
A455-SLUDGE



Tgt Ion:128 Resp: 32520  
Ion Ratio Lower Upper  
128 100  
127 15.2 10.3 15.5  
129 17.8 8.8 13.2#

