

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081423\  
 Data File : VX036976.D  
 Acq On : 14 Aug 2023 19:48  
 Operator : JC/MD  
 Sample : 03899-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 520

Quant Time: Aug 15 01:31:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

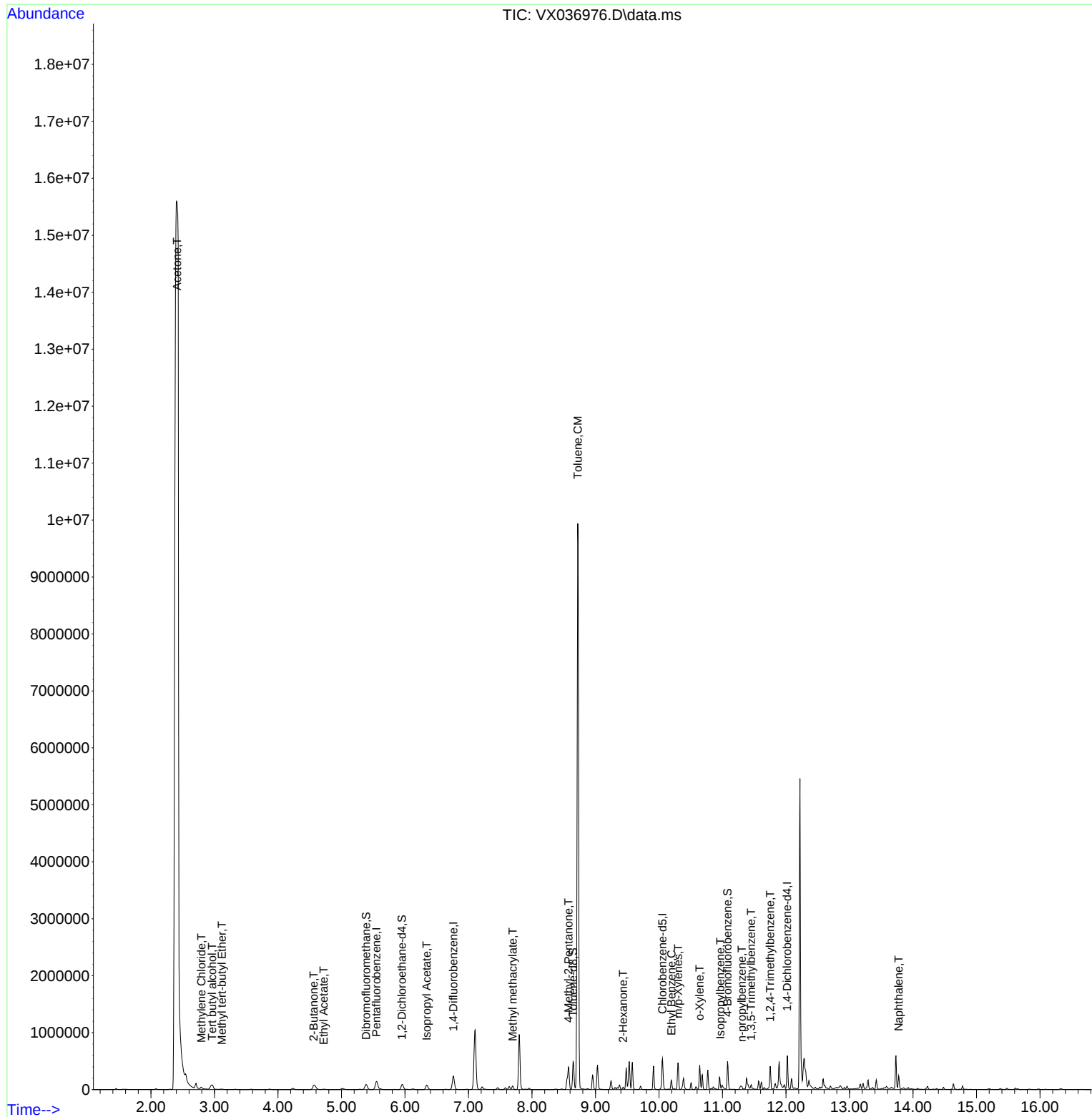
| Compound                    | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|-----------|--------|----------|
| -----                       |                |      |            |           |        |          |
| Internal Standards          |                |      |            |           |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 133175     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 247173     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 244377     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 120648     | 50.000    | ug/l   | 0.00     |
|                             |                |      |            |           |        |          |
| System Monitoring Compounds |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 93740      | 47.571    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 95.140%   |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 79485      | 46.785    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 93.580%   |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 302909     | 50.277    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 100.560%  |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 125372     | 55.156    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 110.320%  |        |          |
|                             |                |      |            |           |        |          |
| Target Compounds            |                |      |            |           | Qvalue |          |
| 11) Tert butyl alcohol      | 2.965          | 59   | 101288     | 217.119   | ug/l   | 98       |
| 16) Acetone                 | 2.410          | 43   | 32686687   | 39974.371 | ug/l # | 42       |
| 19) Methyl tert-butyl Ether | 3.117          | 73   | 6852       | 1.223     | ug/l   | 97       |
| 20) Methylene Chloride      | 2.794          | 84   | 17573      | 9.663     | ug/l # | 88       |
| 25) 2-Butanone              | 4.562          | 43   | 68644      | 51.742    | ug/l   | 95       |
| 37) Ethyl Acetate           | 4.721          | 43   | 12840      | 4.480     | ug/l # | 93       |
| 43) Isopropyl Acetate       | 6.342          | 43   | 105296     | 21.342    | ug/l # | 95       |
| 48) Methyl methacrylate     | 7.696          | 41   | 21731      | 9.471     | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone    | 8.574          | 43   | 268182     | 98.226    | ug/l   | 94       |
| 52) Toluene                 | 8.720          | 92   | 4121594    | 892.826   | ug/l   | 93       |
| 59) 2-Hexanone              | 9.433          | 43   | 19847      | 9.795     | ug/l   | 89       |
| 67) Ethyl Benzene           | 10.195         | 91   | 93635      | 9.515     | ug/l   | 99       |
| 68) m/p-Xylenes             | 10.299         | 106  | 108788     | 29.629    | ug/l   | 100      |
| 69) o-Xylene                | 10.640         | 106  | 81664      | 22.283    | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.964         | 105  | 11867      | 1.189     | ug/l   | 97       |
| 78) n-propylbenzene         | 11.305         | 91   | 27097      | 2.347     | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 32998      | 3.950     | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 166939     | 19.984    | ug/l   | 99       |
| 95) Naphthalene             | 13.774         | 128  | 86208      | 9.880     | ug/l   | 99       |
| -----                       |                |      |            |           |        |          |

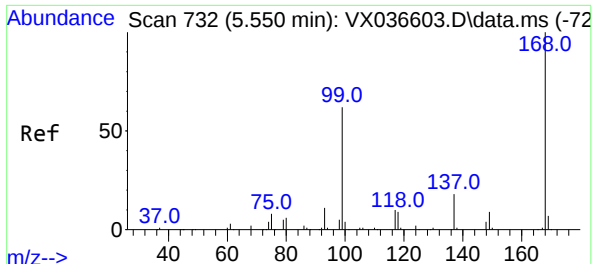
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 15 01:31:38 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration

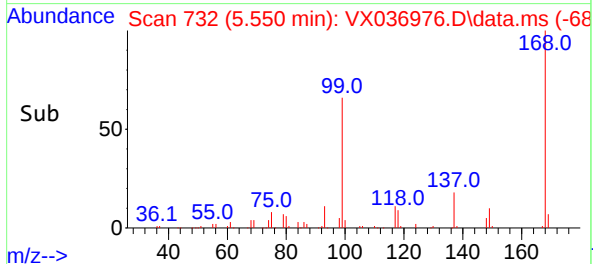
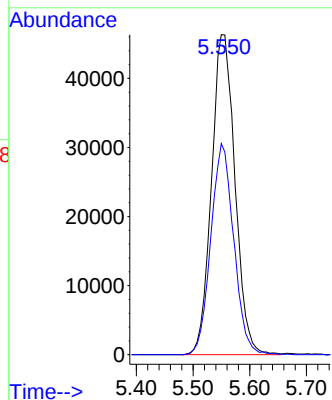
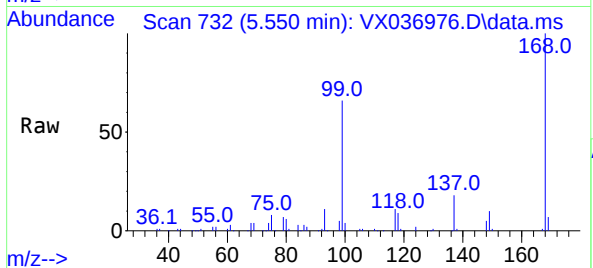




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

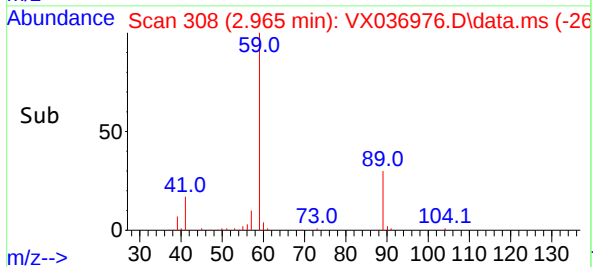
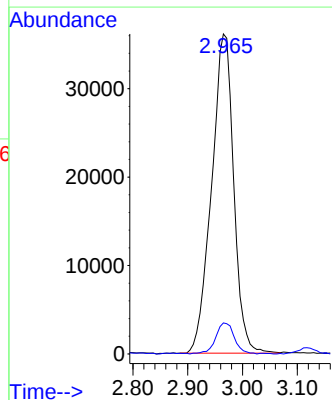
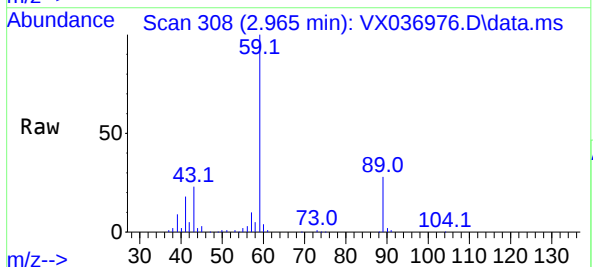
Instrument :  
MSVOA\_X  
ClientSampleId :  
520

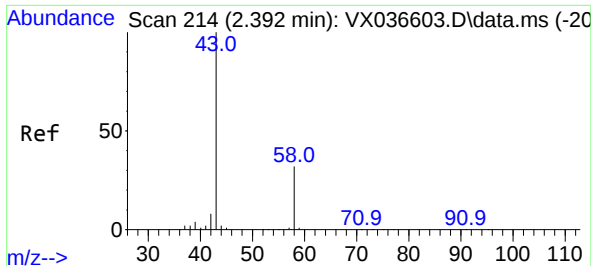
Tgt Ion:168 Resp: 133175  
Ion Ratio Lower Upper  
168 100  
99 66.0 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 217.119 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.024 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 59 Resp: 101288  
Ion Ratio Lower Upper  
59 100  
57 8.3 6.0 9.0

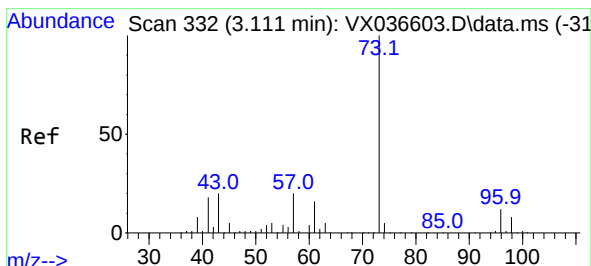
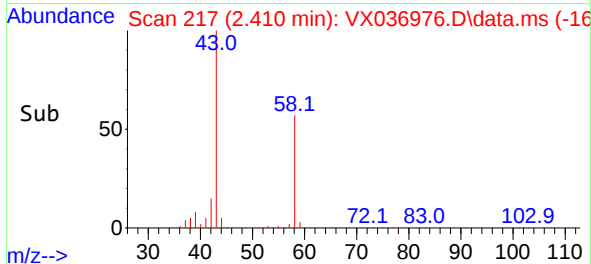
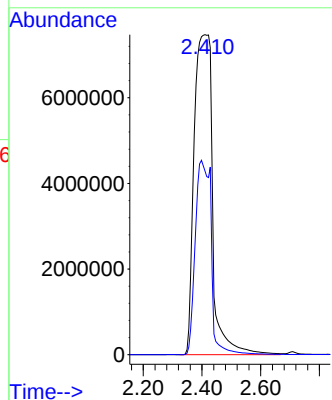
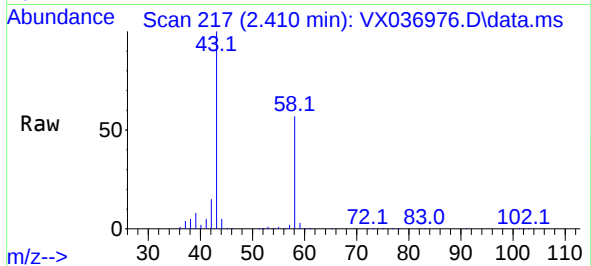




#16  
Acetone  
Concen: 39974.371 ug/l  
RT: 2.410 min Scan# 214  
Delta R.T. 0.018 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

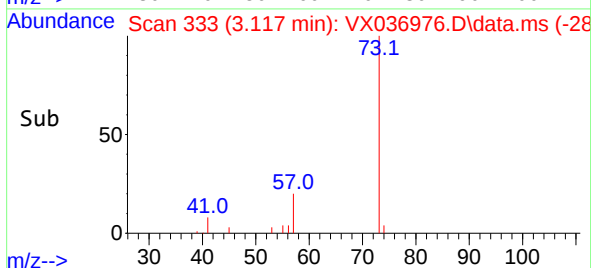
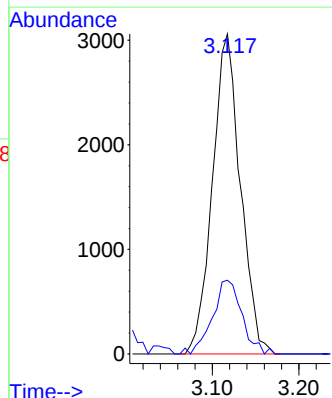
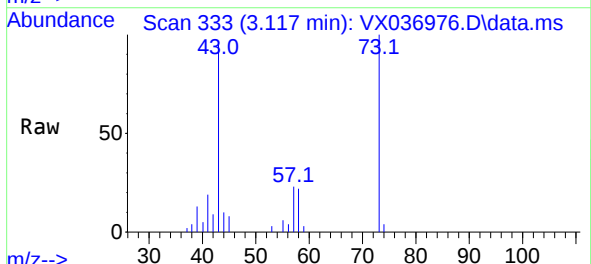
Instrument :  
MSVOA\_X  
ClientSampleId :  
520

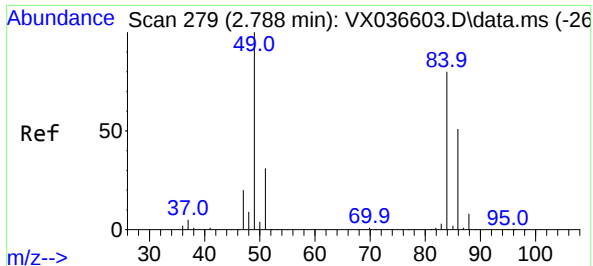
Tgt Ion: 43 Resp: 32686687  
Ion Ratio Lower Upper  
43 100  
58 57.4 21.9 32.9#



#19  
Methyl tert-butyl Ether  
Concen: 1.223 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 73 Resp: 6852  
Ion Ratio Lower Upper  
73 100  
57 23.0 17.3 25.9



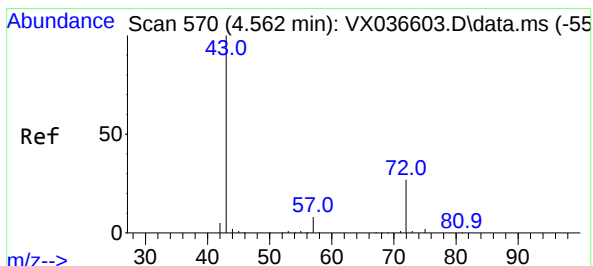
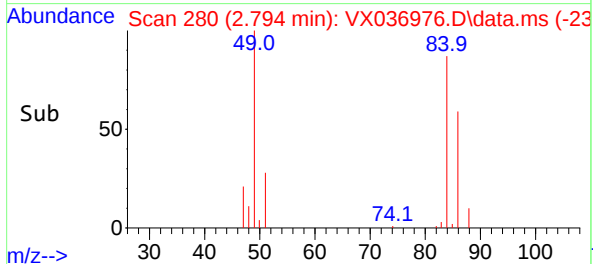
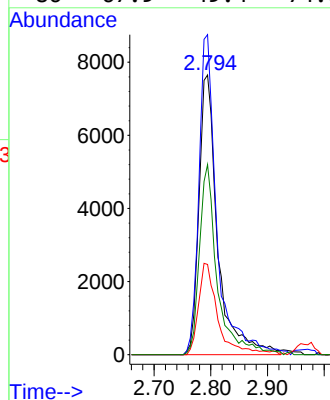
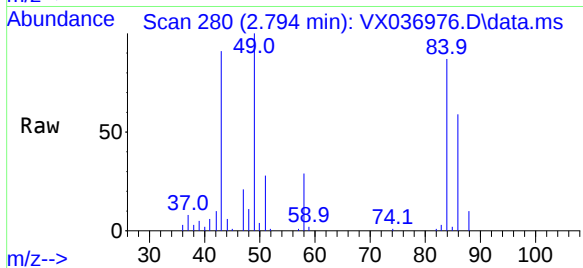


#20  
Methylene Chloride  
Concen: 9.663 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
520

Tgt Ion: 84 Resp: 17573

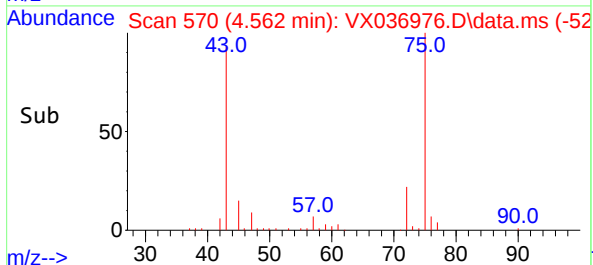
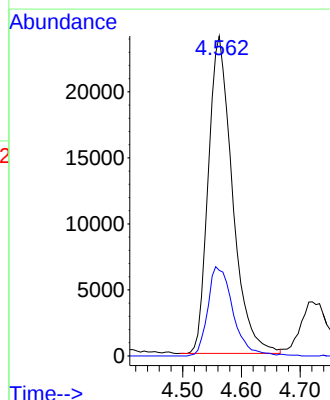
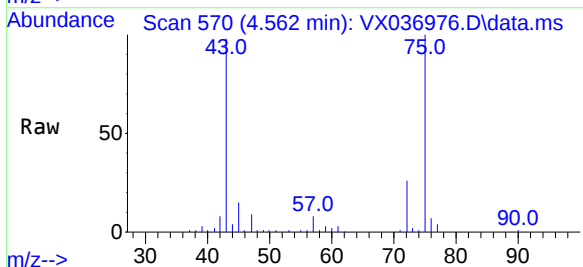
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 114.4 | 103.6 | 155.4 |
| 51  | 32.2  | 33.8  | 50.6  |
| 86  | 67.9  | 49.4  | 74.0  |

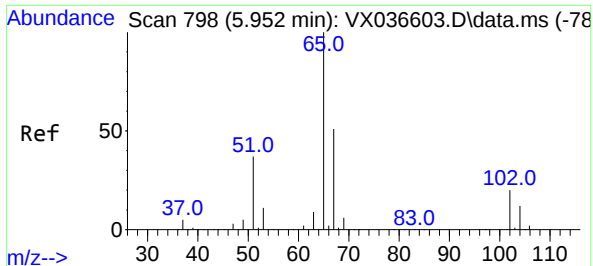


#25  
2-Butanone  
Concen: 51.742 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 43 Resp: 68644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 27.0  | 19.4  | 29.2  |

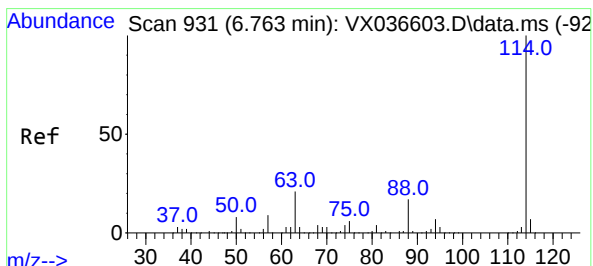
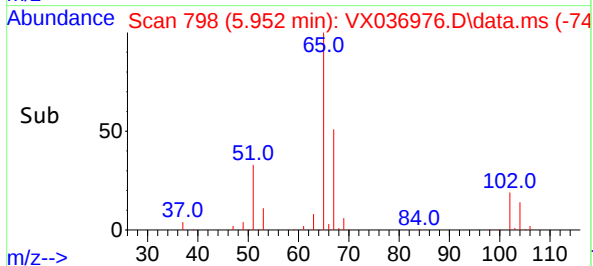
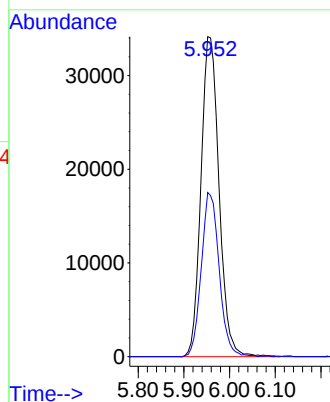
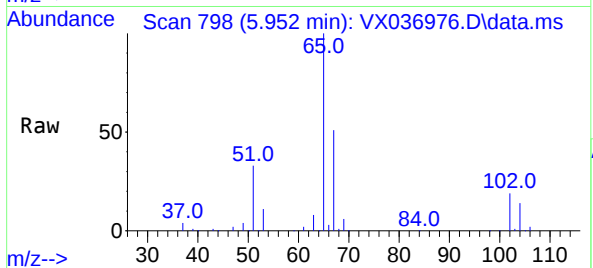




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.571 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. 0.000 min  
 Lab File: VX036976.D  
 Acq: 14 Aug 2023 19:48

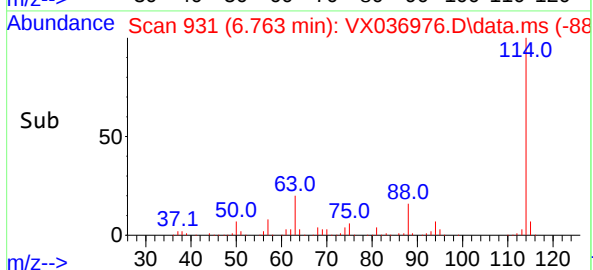
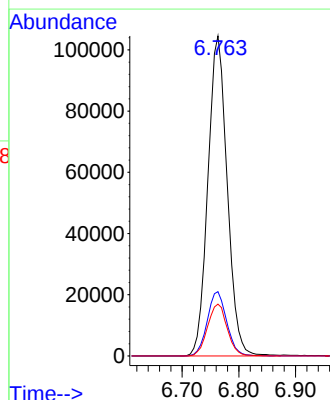
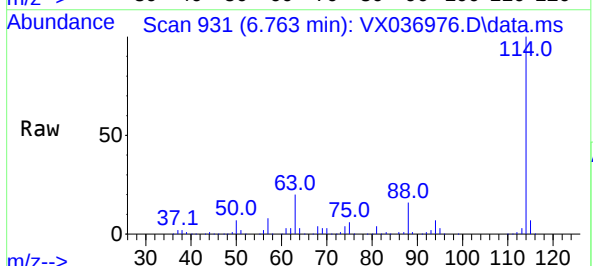
Instrument :  
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 ClientSampleId :  
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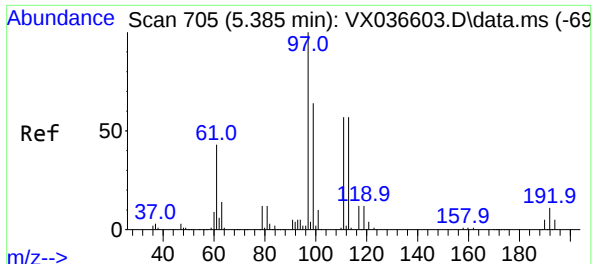
Tgt Ion: 65 Resp: 93740  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX036976.D  
 Acq: 14 Aug 2023 19:48

Tgt Ion: 114 Resp: 247173  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 45.0  
 88 16.2 0.0 36.6

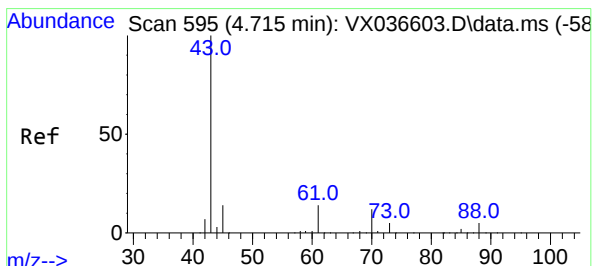
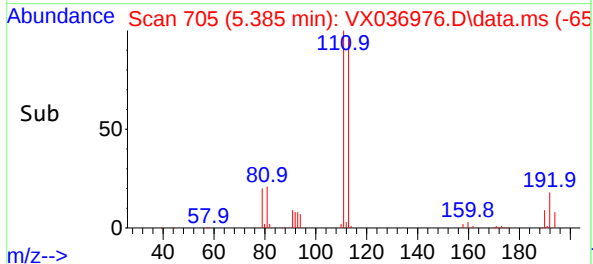
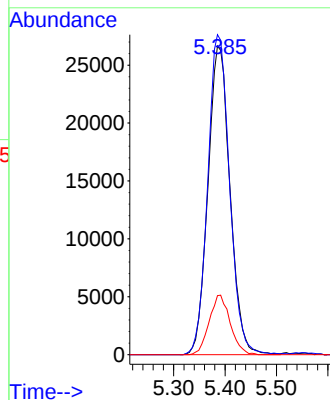
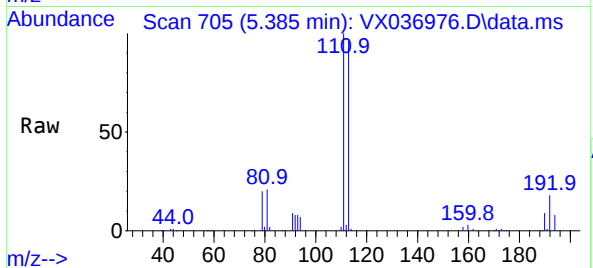




#35  
Dibromofluoromethane  
Concen: 46.785 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

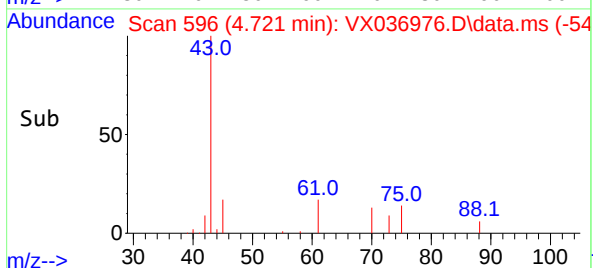
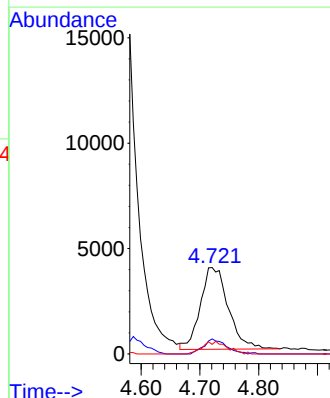
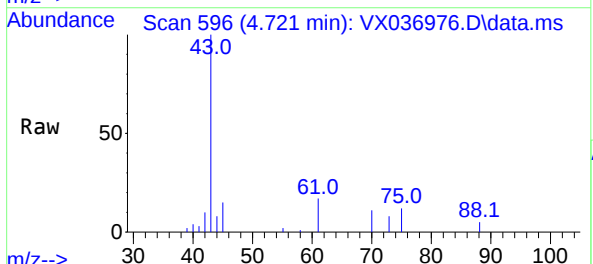
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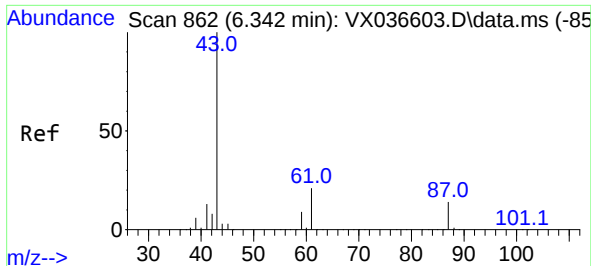
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 79485 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.8 | 82.9  | 124.3 |
| 192      | 18.4  | 13.3  | 19.9  |



#37  
Ethyl Acetate  
Concen: 4.480 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.006 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 12840 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.6  | 10.6  | 16.0  |
| 70       | 6.0   | 8.3   | 12.5  |

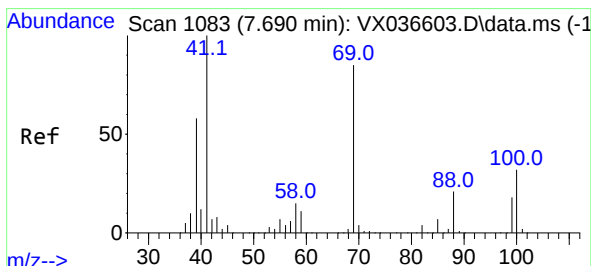
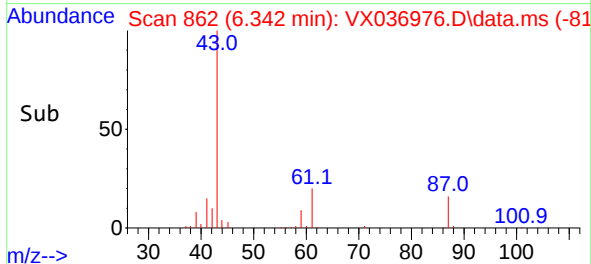
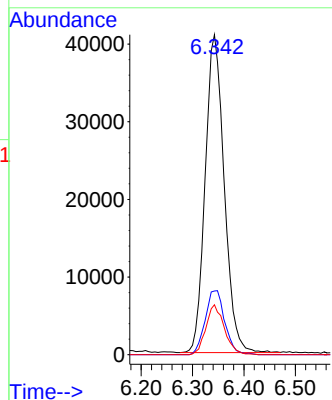
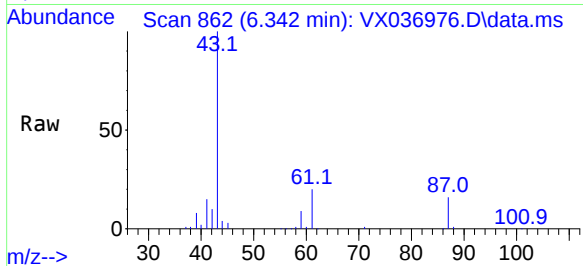




#43  
Isopropyl Acetate  
Concen: 21.342 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

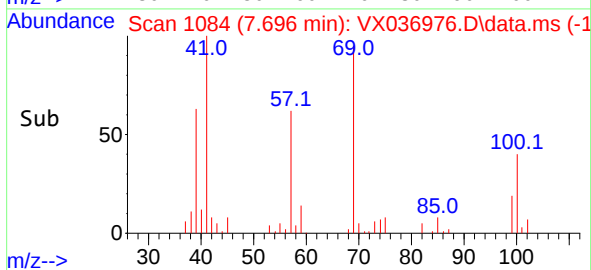
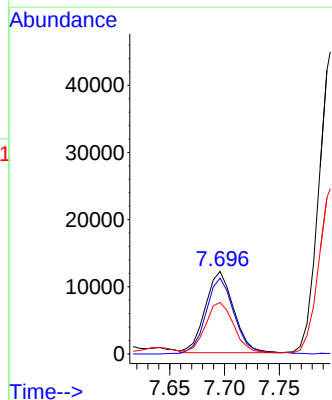
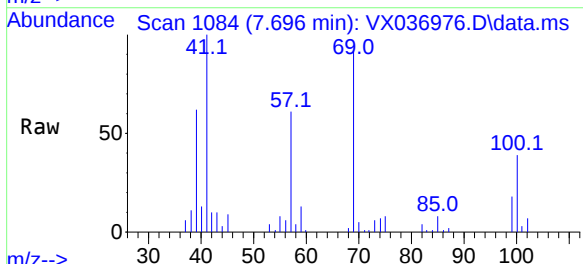
Instrument :  
MSVOA\_X  
ClientSampleId :  
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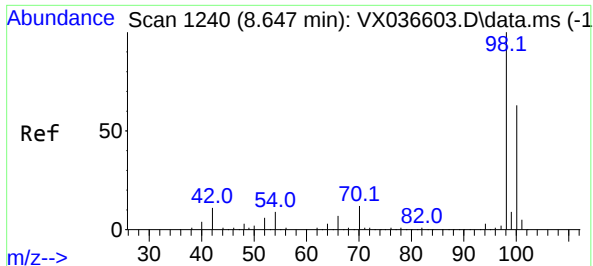
Tgt Ion: 43 Resp: 105296  
Ion Ratio Lower Upper  
43 100  
61 20.8 15.2 22.8  
87 15.2 9.8 14.6#



#48  
Methyl methacrylate  
Concen: 9.471 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 41 Resp: 21731  
Ion Ratio Lower Upper  
41 100  
69 94.4 59.2 88.8#  
39 61.6 47.7 71.5

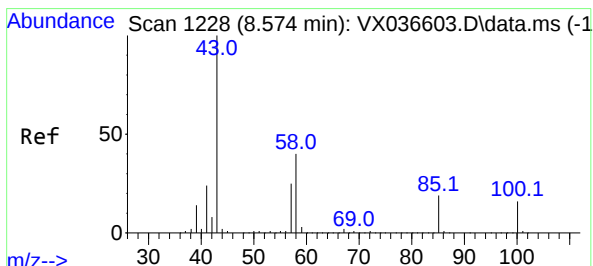
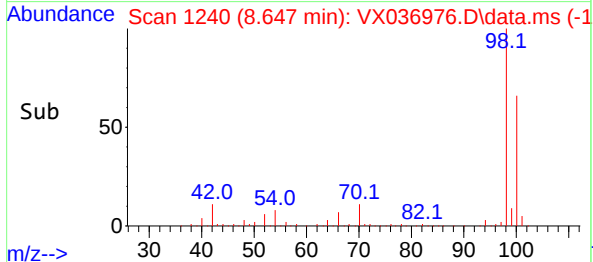
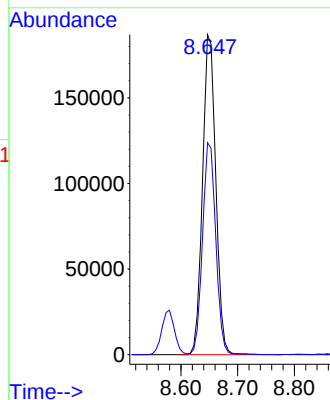
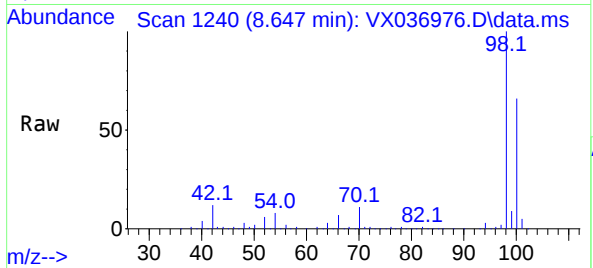




#50  
Toluene-d8  
Concen: 50.277 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

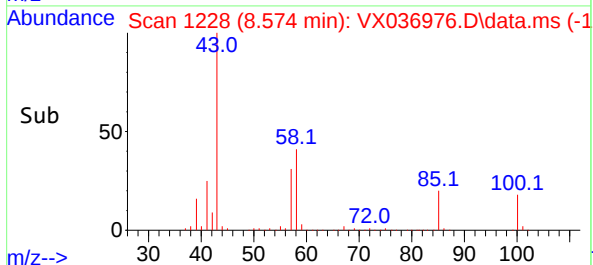
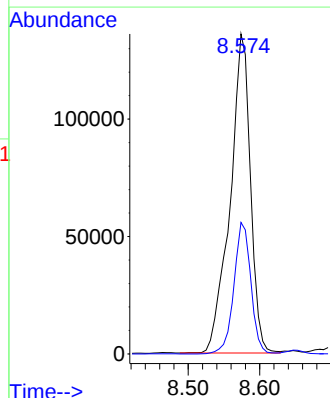
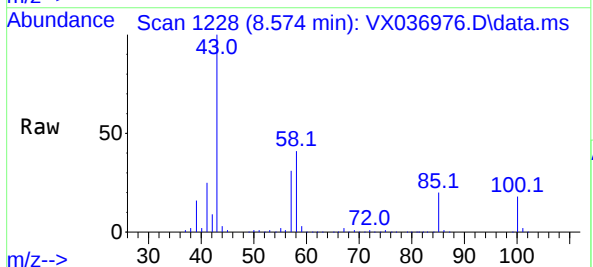
Instrument :  
MSVOA\_X  
ClientSampleId :  
520

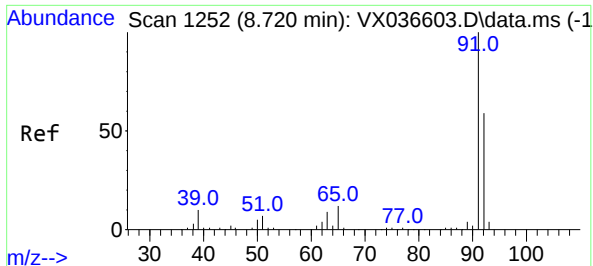
Tgt Ion: 98 Resp: 302909  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 98.226 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 43 Resp: 268182  
Ion Ratio Lower Upper  
43 100  
58 34.5 30.4 45.6





#52

Toluene

Concen: 892.826 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036976.D

Acq: 14 Aug 2023 19:48

Instrument :

MSVOA\_X

ClientSampleId :

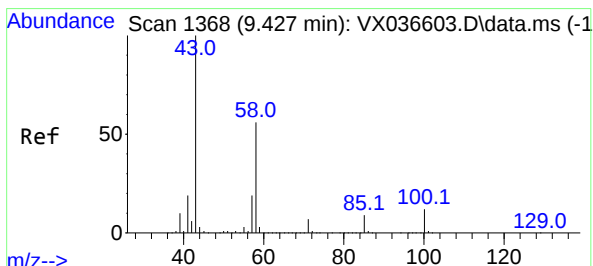
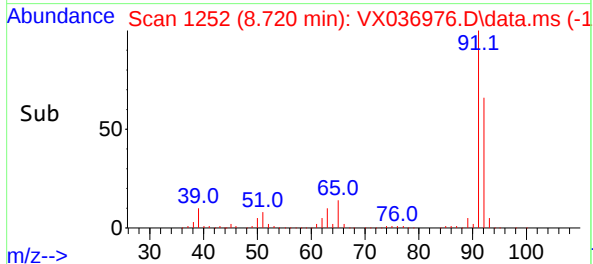
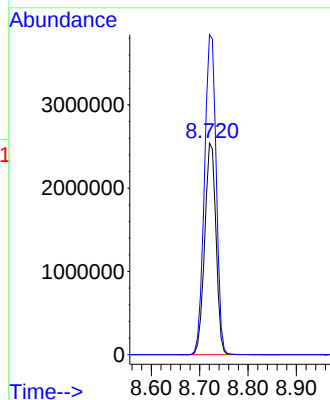
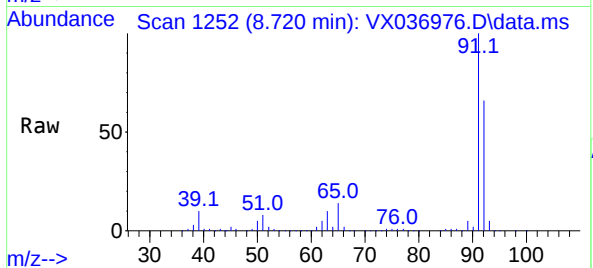
520

Tgt Ion: 92 Resp: 4121594

Ion Ratio Lower Upper

92 100

91 157.6 134.2 201.2



#59

2-Hexanone

Concen: 9.795 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX036976.D

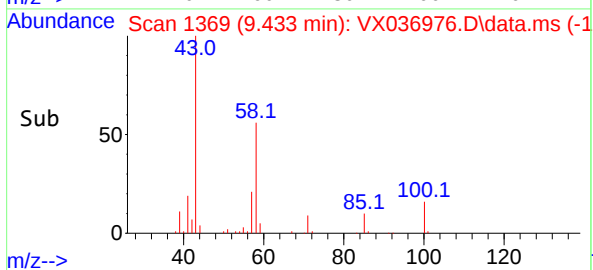
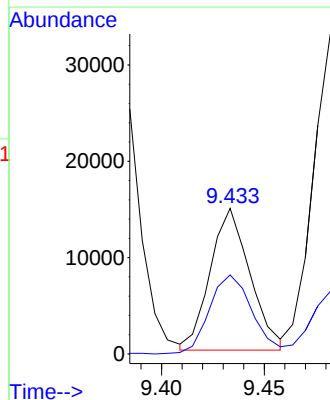
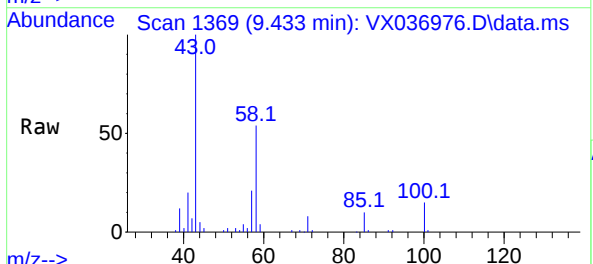
Acq: 14 Aug 2023 19:48

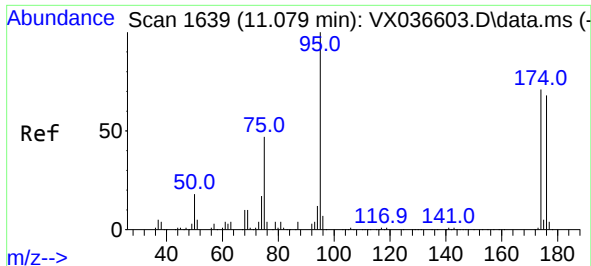
Tgt Ion: 43 Resp: 19847

Ion Ratio Lower Upper

43 100

58 59.8 26.2 78.5

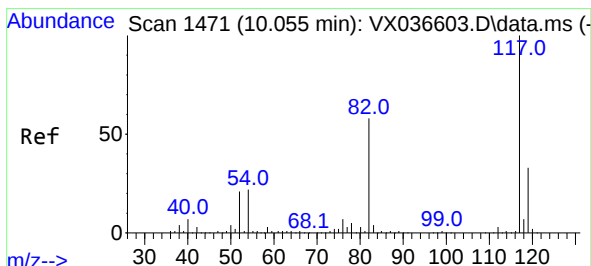
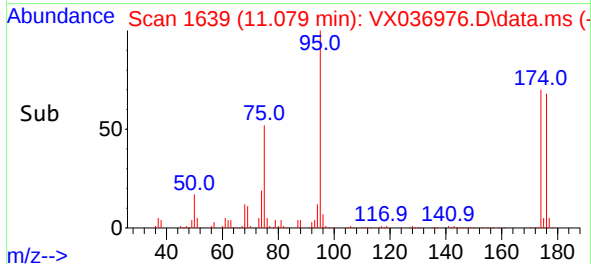
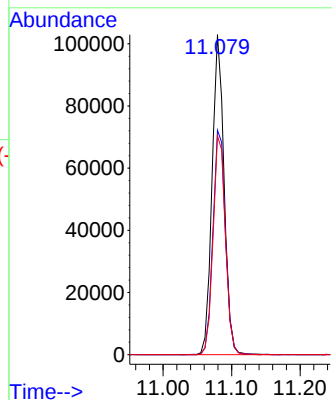
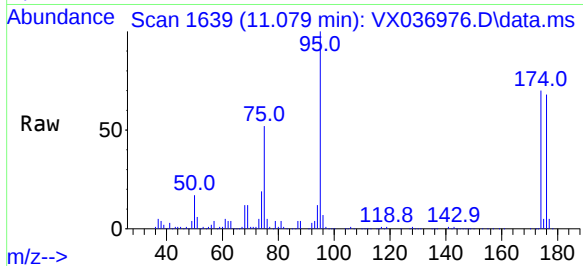




#62  
4-Bromofluorobenzene  
Concen: 55.156 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

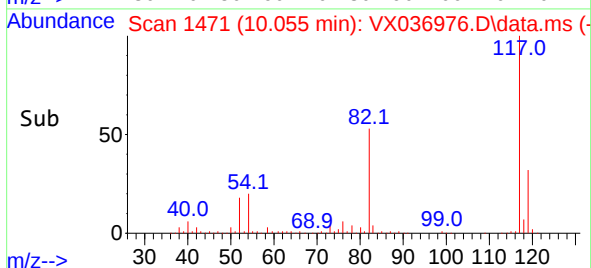
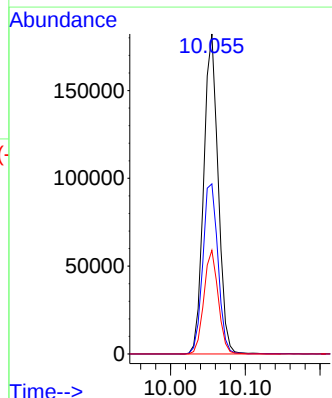
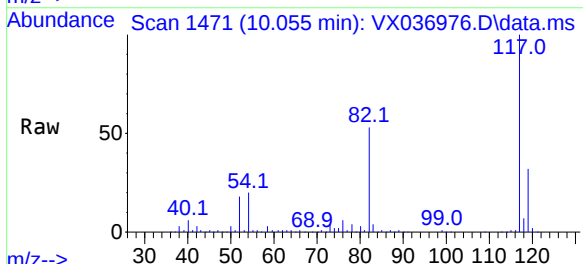
Instrument :  
MSVOA\_X  
ClientSampleId :  
520

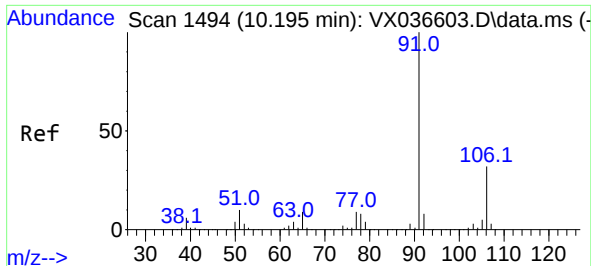
Tgt Ion: 95 Resp: 125372  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 135.6  
176 70.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 117 Resp: 244377  
Ion Ratio Lower Upper  
117 100  
82 53.1 46.2 69.4  
119 32.4 25.5 38.3

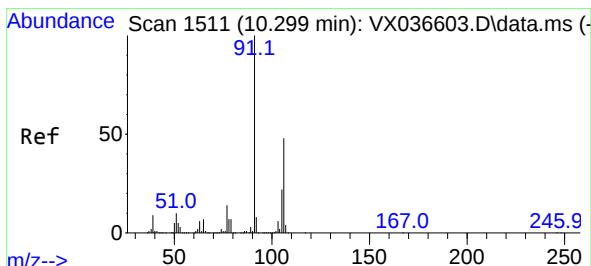
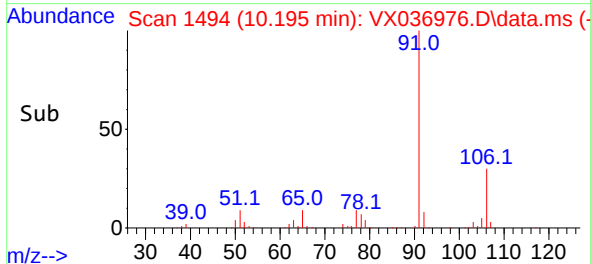
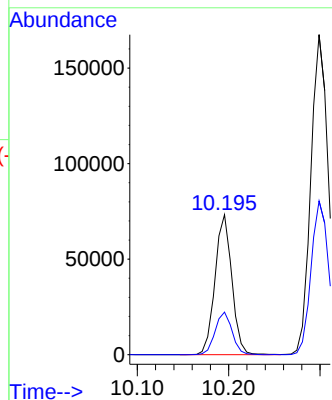
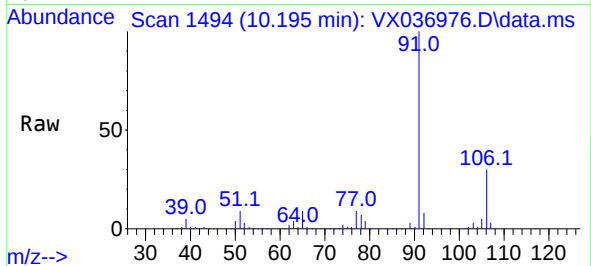




#67  
Ethyl Benzene  
Concen: 9.515 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

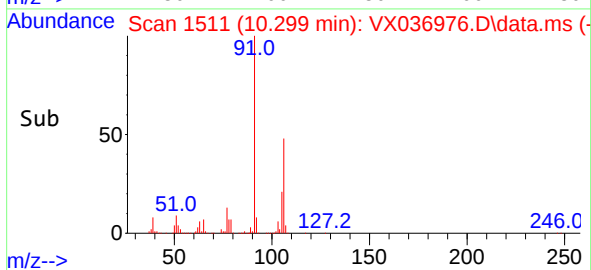
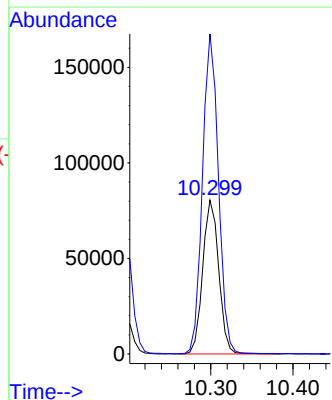
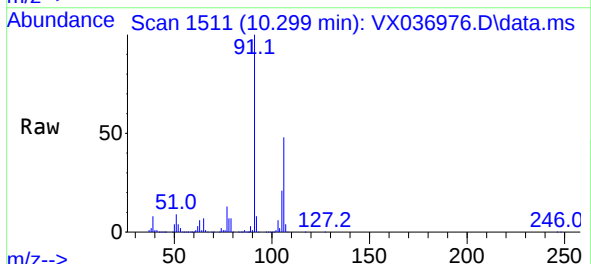
Instrument :  
MSVOA\_X  
ClientSampleId :  
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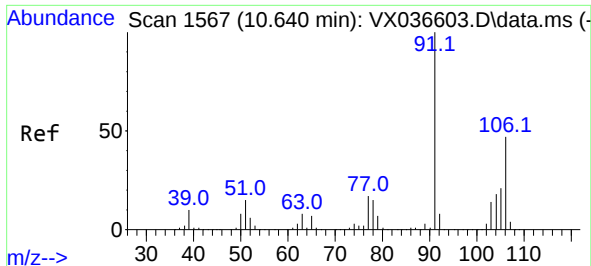
Tgt Ion: 91 Resp: 93635  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.9 37.3



#68  
m/p-Xylenes  
Concen: 29.629 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 106 Resp: 108788  
Ion Ratio Lower Upper  
106 100  
91 207.0 165.5 248.3

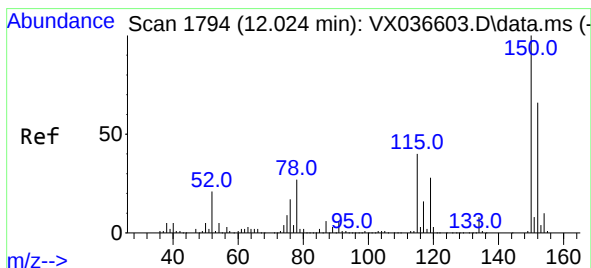
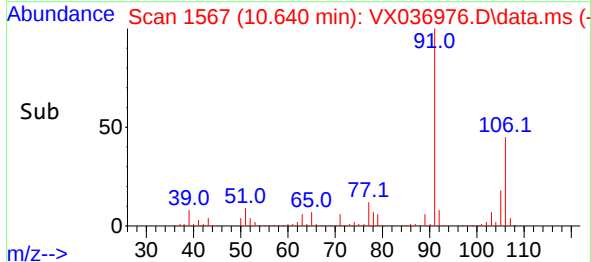
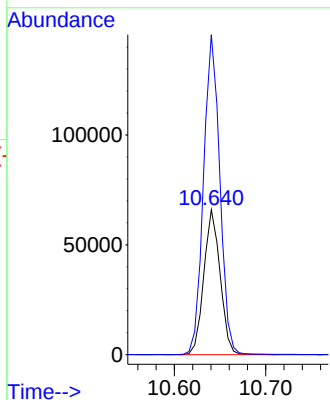
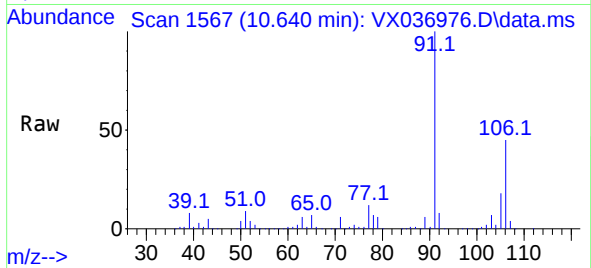




#69  
o-Xylene  
Concen: 22.283 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

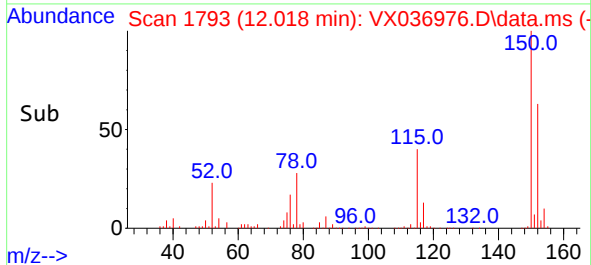
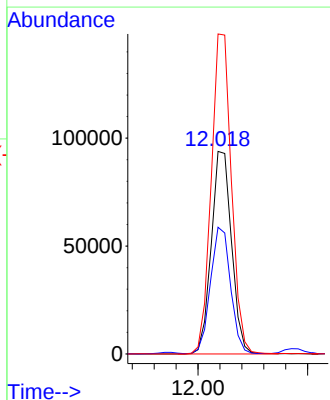
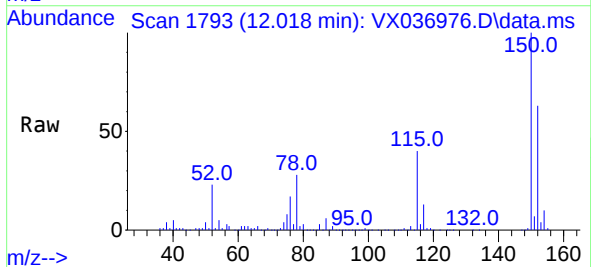
Instrument :  
MSVOA\_X  
ClientSampleId :  
520

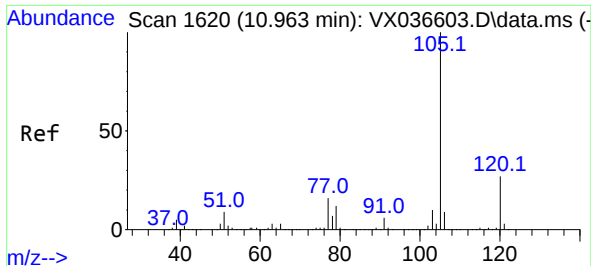
Tgt Ion:106 Resp: 81664  
Ion Ratio Lower Upper  
106 100  
91 221.4 108.9 326.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion:152 Resp: 120648  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.3 129.9  
150 157.8 0.0 345.0

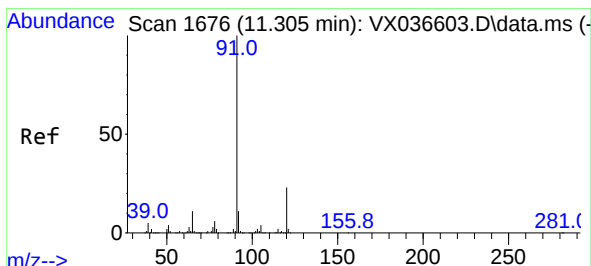
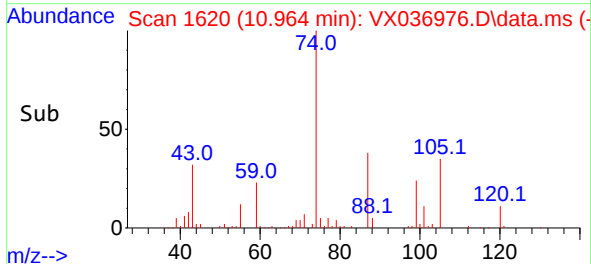
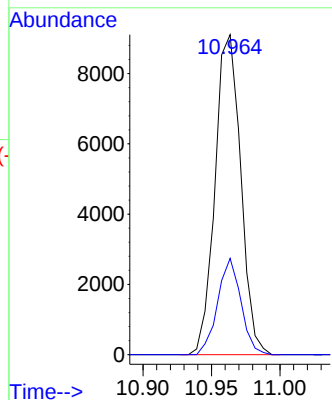
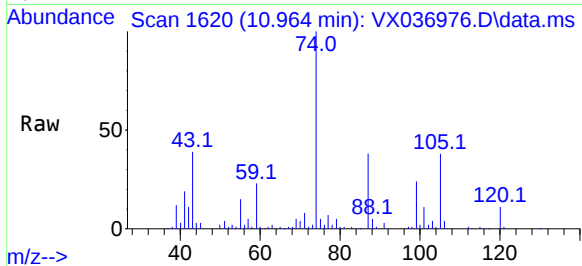




#73  
Isopropylbenzene  
Concen: 1.189 ug/l  
RT: 10.964 min Scan# 11867  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

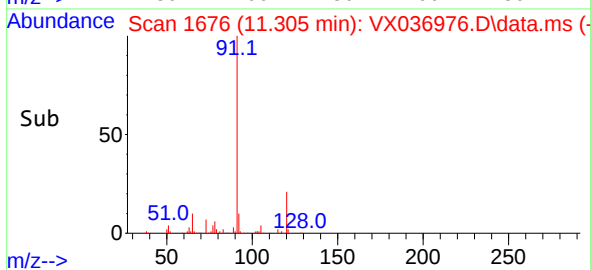
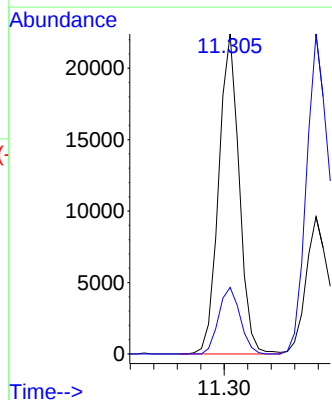
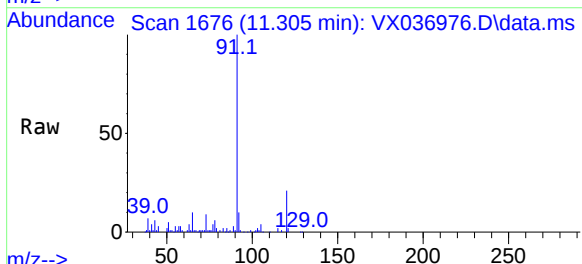
Instrument :  
MSVOA\_X  
ClientSampleId :  
520

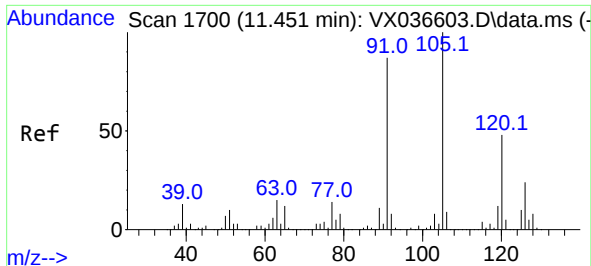
Tgt Ion:105 Resp: 11867  
Ion Ratio Lower Upper  
105 100  
120 27.2 12.9 38.6



#78  
n-propylbenzene  
Concen: 2.347 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion: 91 Resp: 27097  
Ion Ratio Lower Upper  
91 100  
120 21.8 11.5 34.4

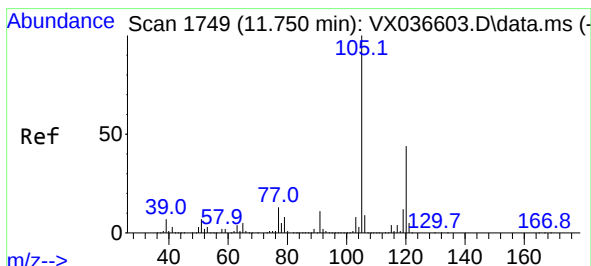
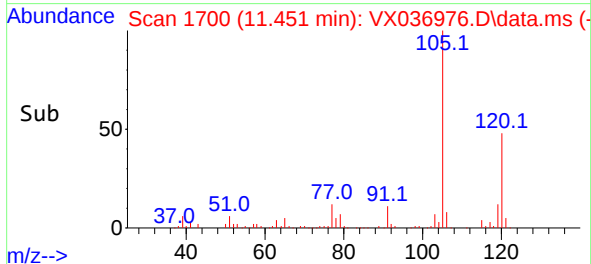
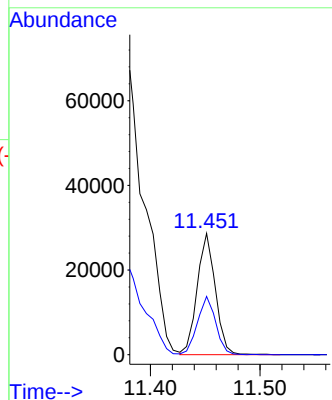
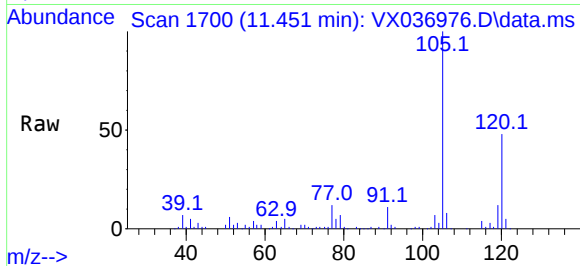




#80  
1,3,5-Trimethylbenzene  
Concen: 3.950 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

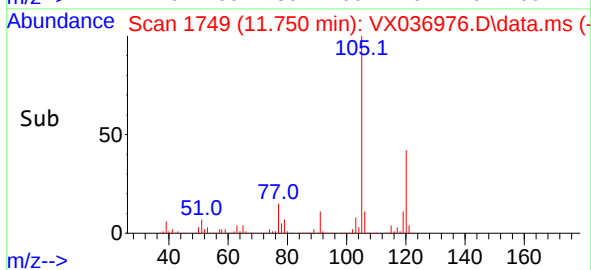
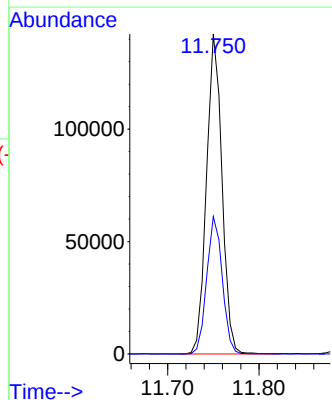
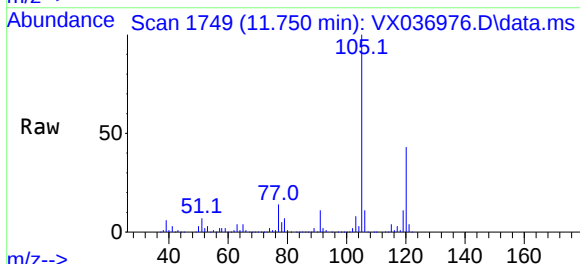
Instrument :  
MSVOA\_X  
ClientSampleId :  
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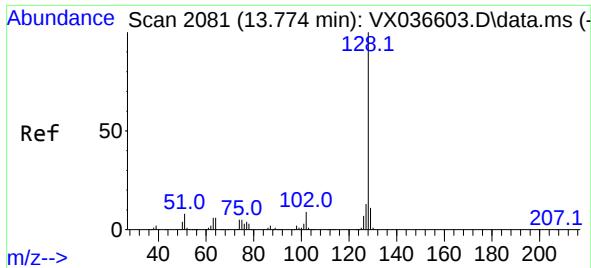
Tgt Ion:105 Resp: 32998  
Ion Ratio Lower Upper  
105 100  
120 48.1 24.1 72.3



#84  
1,2,4-Trimethylbenzene  
Concen: 19.984 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX036976.D  
Acq: 14 Aug 2023 19:48

Tgt Ion:105 Resp: 166939  
Ion Ratio Lower Upper  
105 100  
120 43.1 21.2 63.6





#95

Naphthalene

Concen: 9.880 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX036976.D

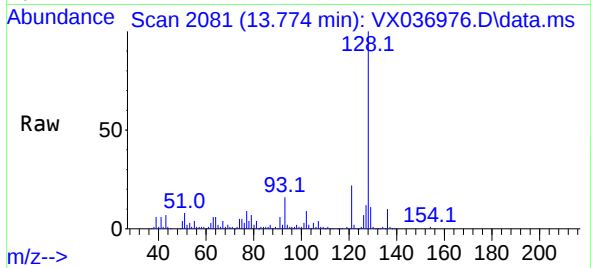
Acq: 14 Aug 2023 19:48

Instrument :

MSVOA\_X

ClientSampleId :

520



Tgt Ion:128 Resp: 86208

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.4 8.8 13.2

