

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020822\  
 Data File : VX026855.D  
 Acq On : 09 Feb 2022 04:43  
 Operator : JC/MD  
 Sample : N1432-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 09 05:22:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

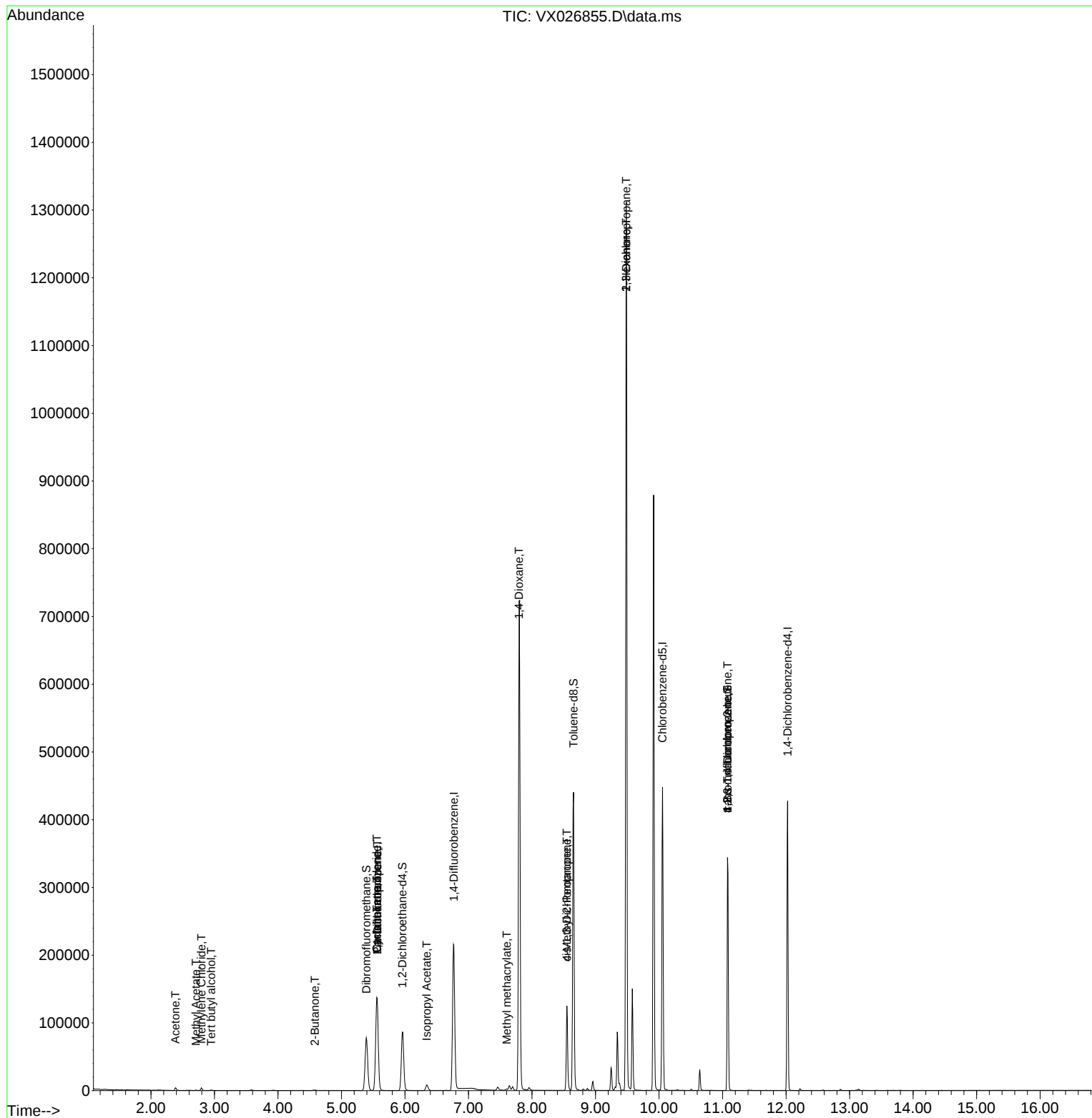
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 131222   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 220713   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 200784   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 87653    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 84870    | 53.879    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | = 107.760% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 68438    | 52.046    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 104.100% |          |
| 50) Toluene-d8                | 8.653     | 98    | 259607   | 53.784    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | = 107.560% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 95380    | 56.126    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 112.260% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 6) Chloroethane               | 1.715     | 64    | 23       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 2.946     | 59    | 399      | 1.402     | ug/l #     | 75       |
| 16) Acetone                   | 2.386     | 43    | 4970     | 7.184     | ug/l       | 94       |
| 18) Methyl Acetate            | 2.709     | 43    | 828      | 0.416     | ug/l #     | 71       |
| 20) Methylene Chloride        | 2.794     | 84    | 1645     | 1.097     | ug/l       | 95       |
| 25) 2-Butanone                | 4.580     | 43    | 999      | 0.896     | ug/l       | 95       |
| 31) Cyclohexane               | 5.556     | 56    | 2544     | 1.016     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.562     | 75    | 10074    | 4.856     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 13578    | 6.242     | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 6.342     | 43    | 11827    | 3.261     | ug/l       | 99       |
| 48) Methyl methacrylate       | 7.604     | 41    | 3295     | 1.833     | ug/l #     | 16       |
| 49) 1,4-Dioxane               | 7.793     | 88    | 68       | 2.196     | ug/l #     | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549     | 43    | 42164    | 19.182    | ug/l #     | 50       |
| 54) cis-1,3-Dichloropropene   | 8.549     | 75    | 19526    | 8.724     | ug/l #     | 55       |
| 57) 1,3-Dichloropropane       | 9.482     | 76    | 11814    | 4.748     | ug/l #     | 43       |
| 59) 2-Hexanone                | 9.482     | 43    | 161724   | 100.589   | ug/l #     | 51       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 46985    | 24.487    | ug/l #     | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 46985    | 74.761    | ug/l #     | 4        |
| -----                         |           |       |          |           |            |          |

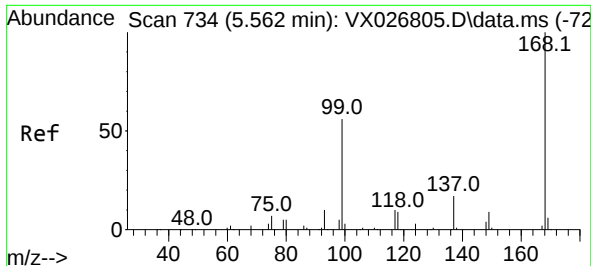
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 08 07:07:46 2022  
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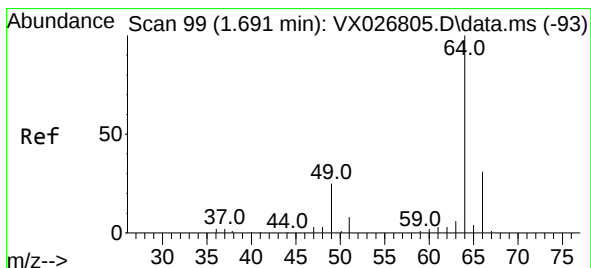
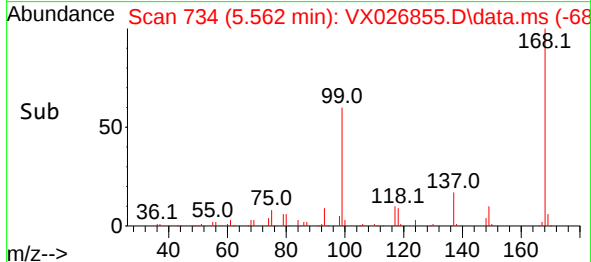
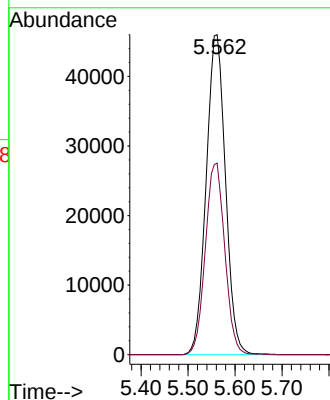
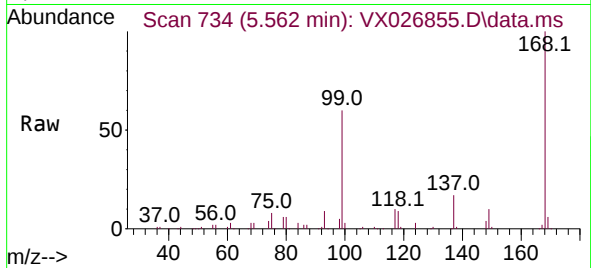




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

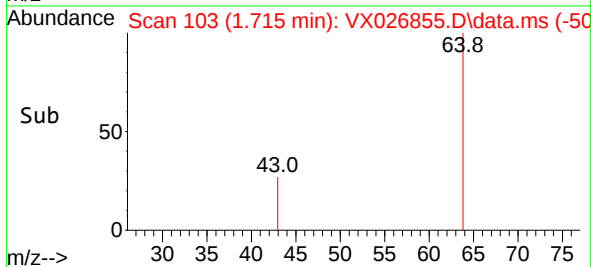
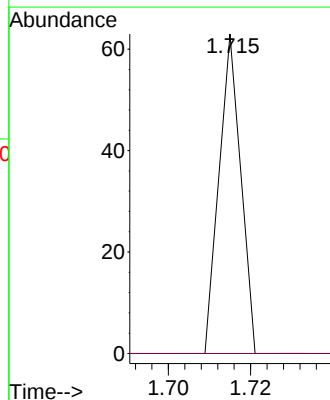
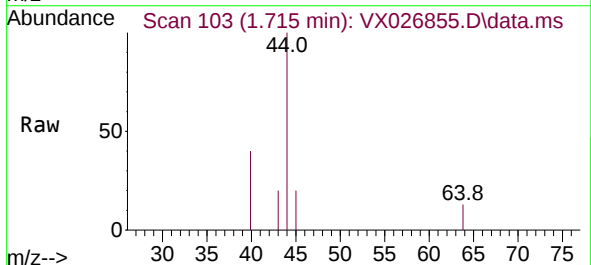
Instrument :  
MSVOA\_X  
ClientSampleId :

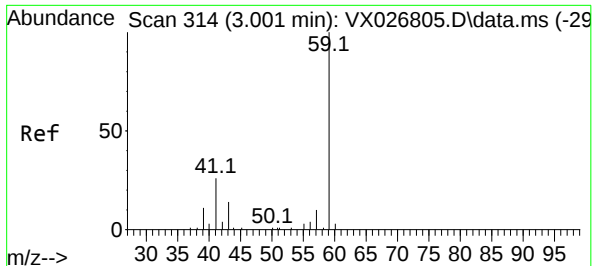
Tgt Ion:168 Resp: 131222  
Ion Ratio Lower Upper  
168 100  
99 59.9 50.3 75.5



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.715 min Scan# 103  
Delta R.T. 0.024 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

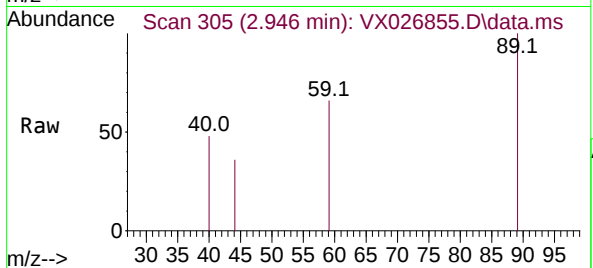
Tgt Ion: 64 Resp: 23  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#



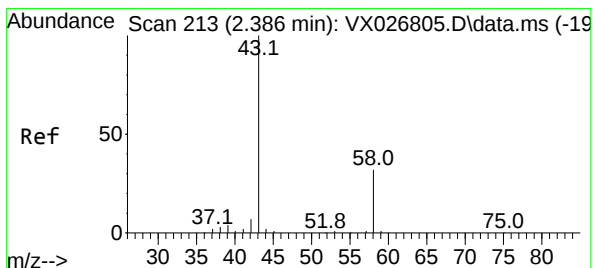
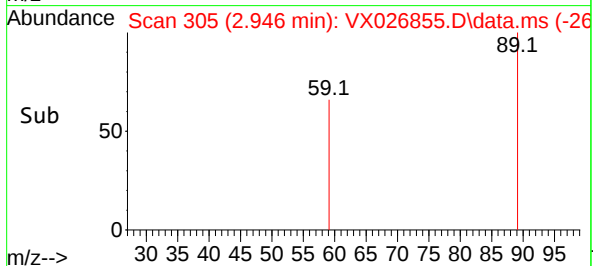
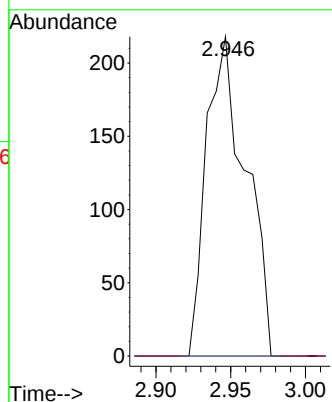


#11  
Tert butyl alcohol  
Concen: 1.402 ug/l  
RT: 2.946 min Scan# 30  
Delta R.T. -0.055 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Instrument :  
MSVOA\_X  
ClientSampleId :

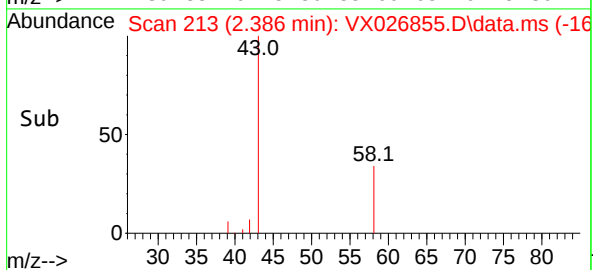
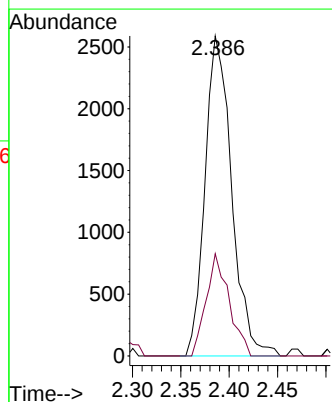
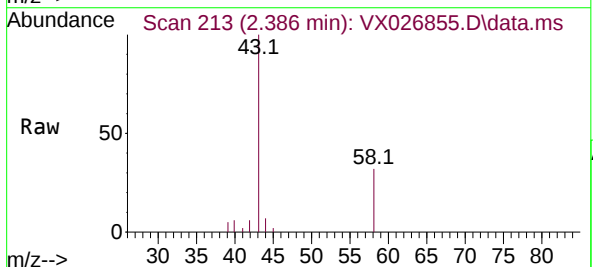


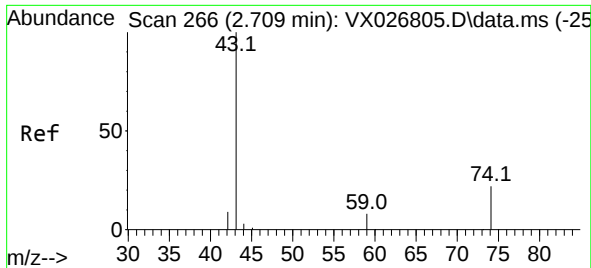
Tgt Ion: 59 Resp: 399  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#



#16  
Acetone  
Concen: 7.184 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion: 43 Resp: 4970  
Ion Ratio Lower Upper  
43 100  
58 31.9 23.0 34.6

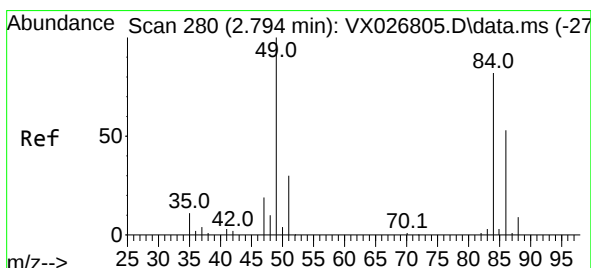
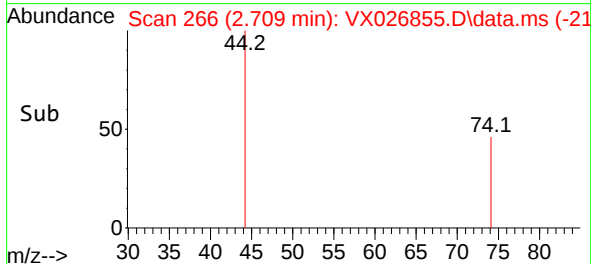
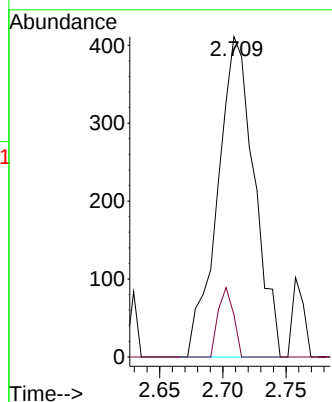
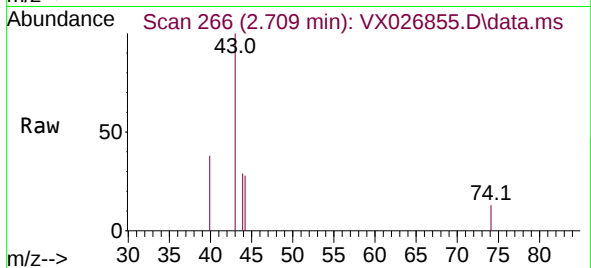




#18  
Methyl Acetate  
Concen: 0.416 ug/l  
RT: 2.709 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

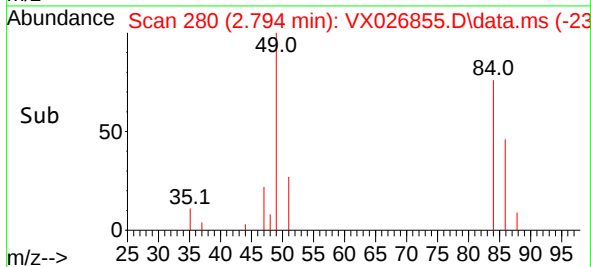
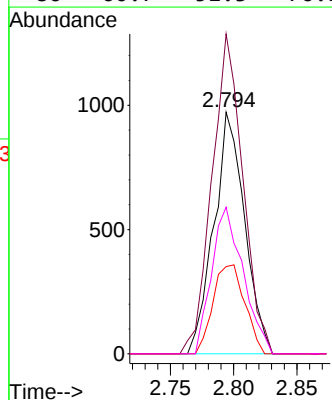
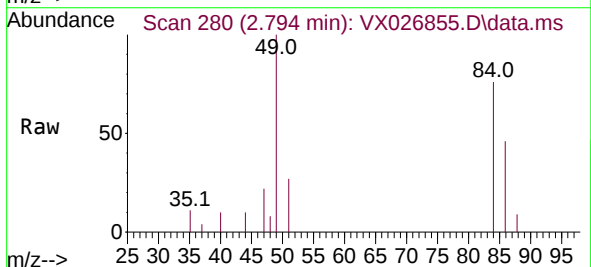
Instrument :  
MSVOA\_X  
ClientSampleId :

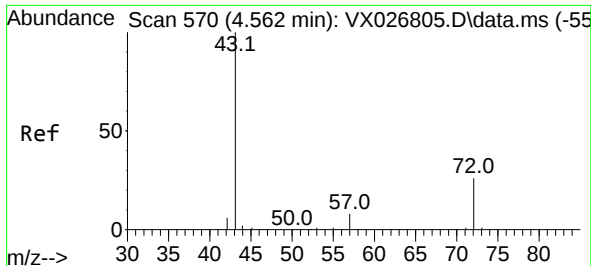
Tgt Ion: 43 Resp: 828  
Ion Ratio Lower Upper  
43 100  
74 9.1 18.3 27.5#



#20  
Methylene Chloride  
Concen: 1.097 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion: 84 Resp: 1645  
Ion Ratio Lower Upper  
84 100  
49 132.4 101.5 152.3  
51 36.1 31.2 46.8  
86 60.7 51.3 76.9

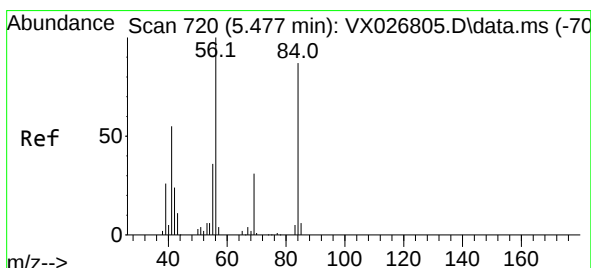
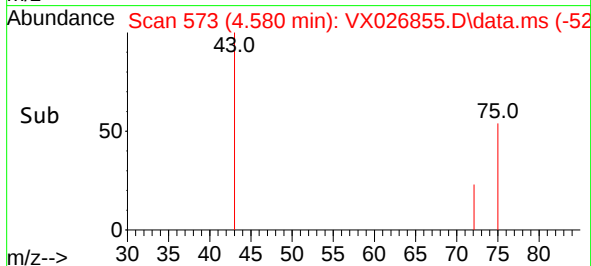
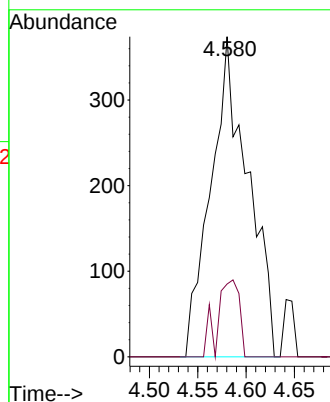
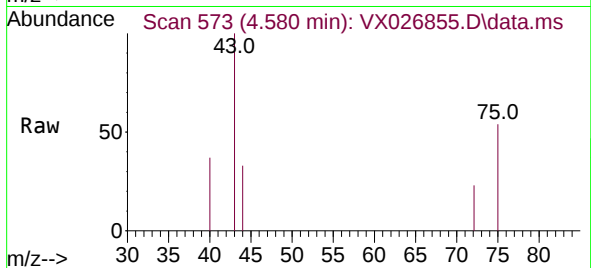




#25  
2-Butanone  
Concen: 0.896 ug/l  
RT: 4.580 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

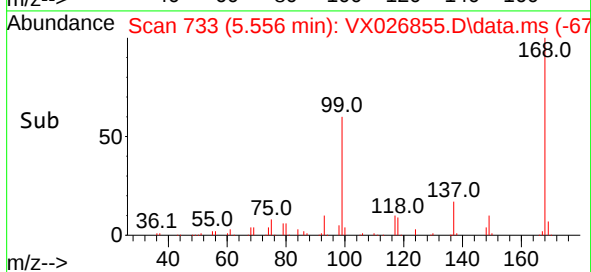
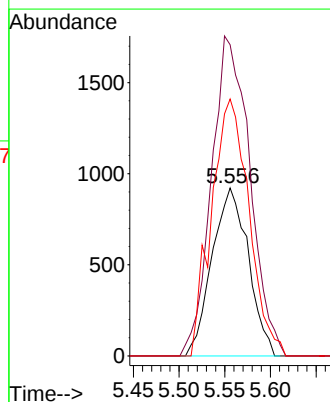
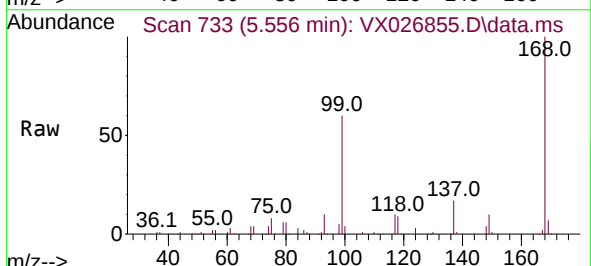
Instrument :  
MSVOA\_X  
ClientSampleId :

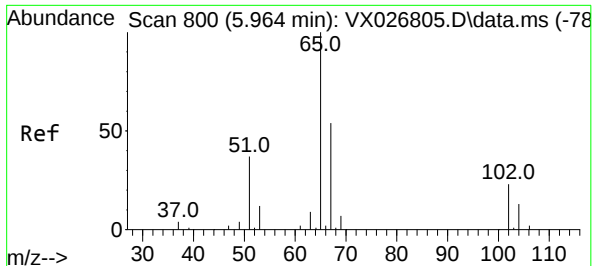
Tgt Ion: 43 Resp: 999  
Ion Ratio Lower Upper  
43 100  
72 22.7 20.4 30.6



#31  
Cyclohexane  
Concen: 1.016 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion: 56 Resp: 2544  
Ion Ratio Lower Upper  
56 100  
69 185.2 25.8 38.6#  
84 152.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.879 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026855.D

Acq: 09 Feb 2022 04:43

Instrument :

MSVOA\_X

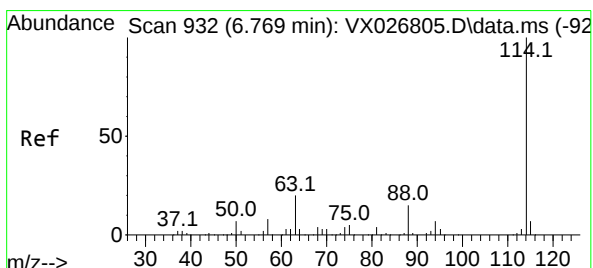
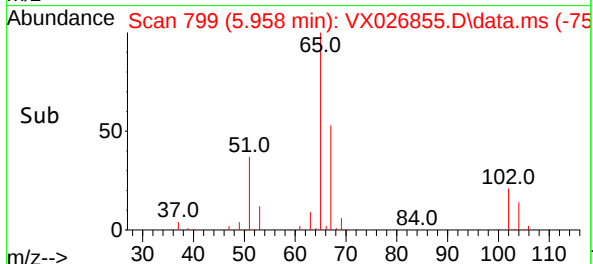
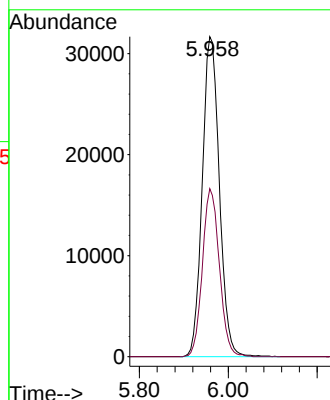
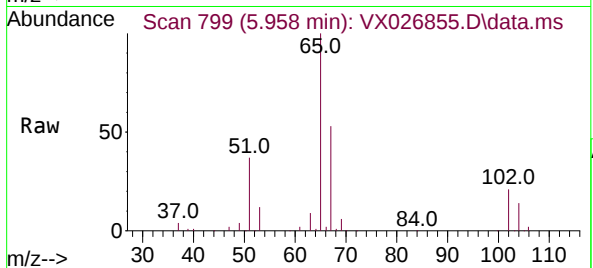
ClientSampleId :

Tgt Ion: 65 Resp: 84870

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX026855.D

Acq: 09 Feb 2022 04:43

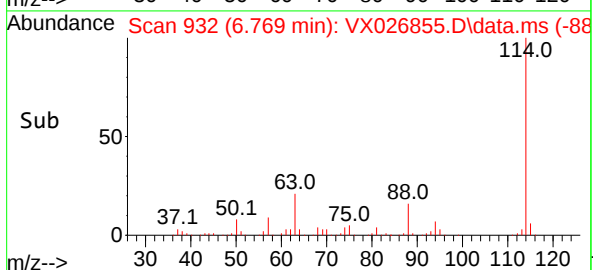
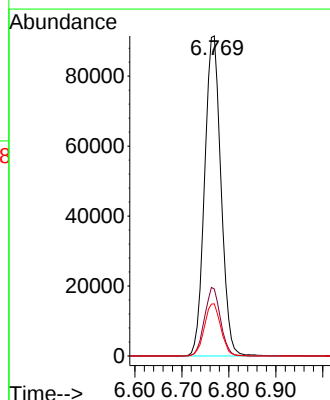
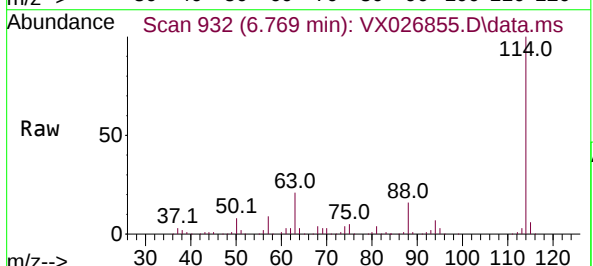
Tgt Ion: 114 Resp: 220713

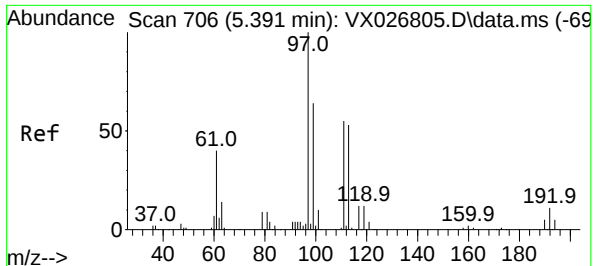
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

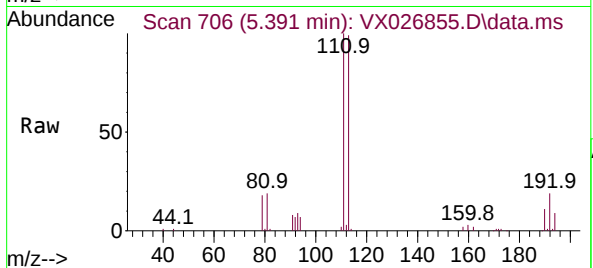
88 16.3 0.0 33.0



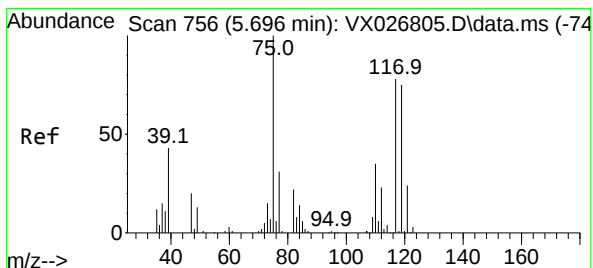
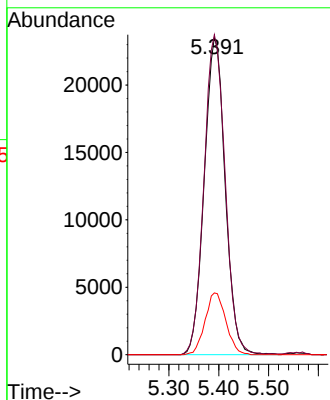
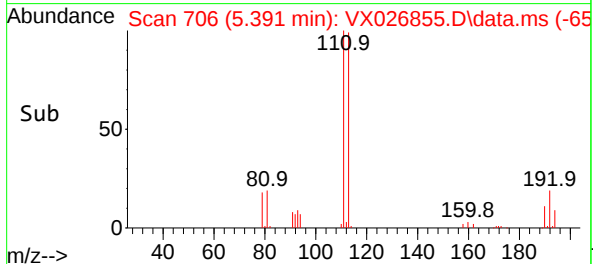


#35  
Dibromofluoromethane  
Concen: 52.046 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Instrument :  
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ClientSampleId :

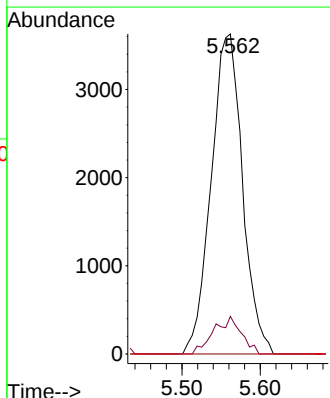
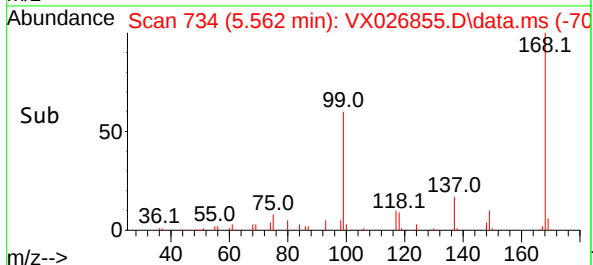
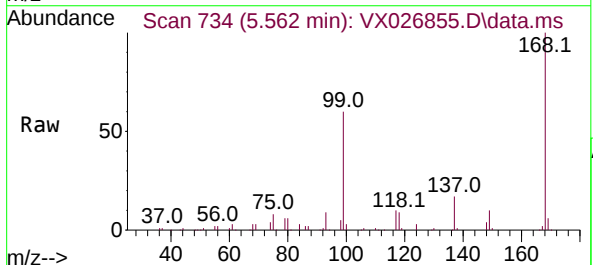


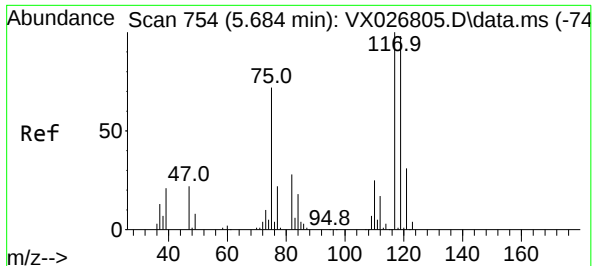
Tgt Ion:113 Resp: 68438  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.2 121.8  
192 19.4 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 4.856 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

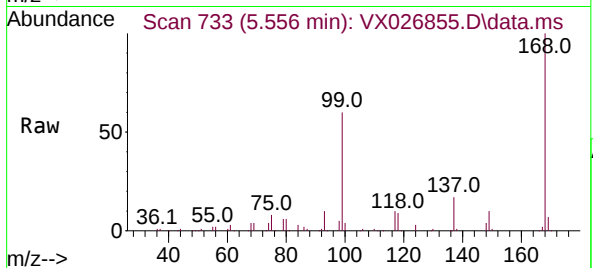
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Ion Ratio Lower Upper  
75 100  
110 10.4 17.2 51.6#  
77 0.0 24.6 36.8#



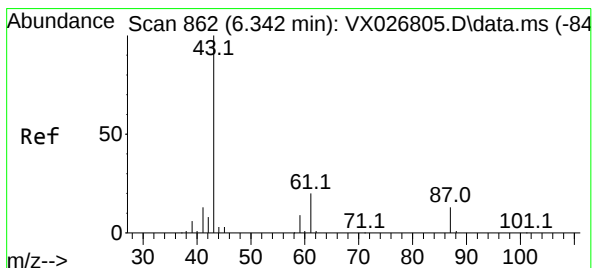
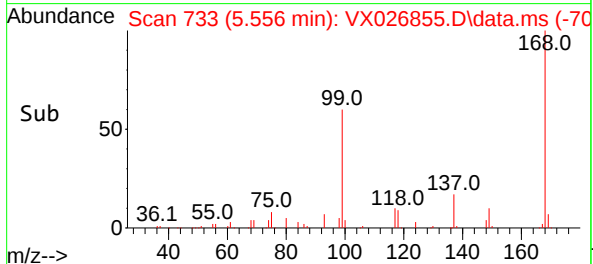
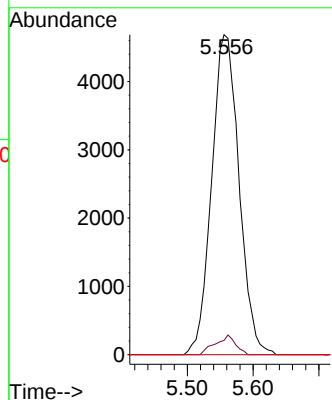


#38  
Carbon Tetrachloride  
Concen: 6.242 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Instrument :  
MSVOA\_X  
ClientSampleId :

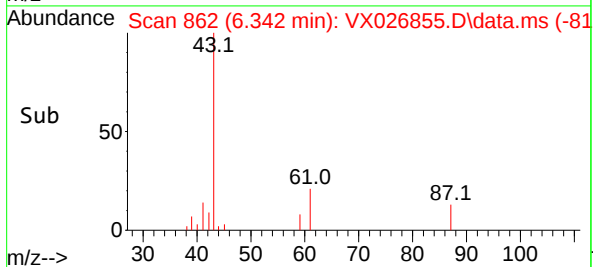
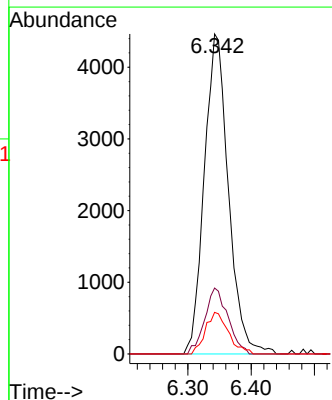
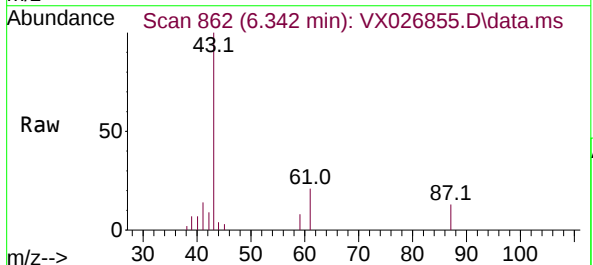


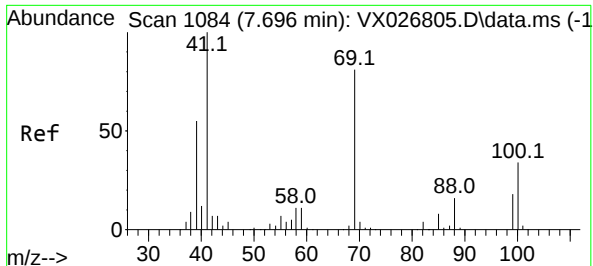
Tgt Ion:117 Resp: 13578  
Ion Ratio Lower Upper  
117 100  
119 4.4 74.7 112.1#  
121 0.0 25.4 38.0#



#43  
Isopropyl Acetate  
Concen: 3.261 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion: 43 Resp: 11827  
Ion Ratio Lower Upper  
43 100  
61 19.8 15.4 23.0  
87 12.4 10.2 15.2





#48

Methyl methacrylate

Concen: 1.833 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.091 min

Lab File: VX026855.D

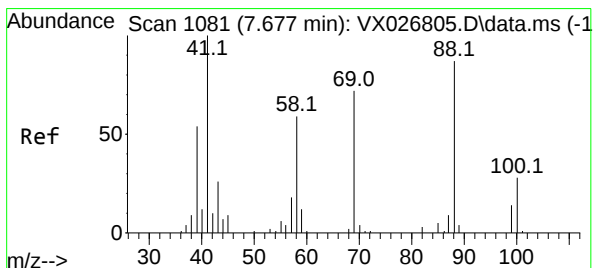
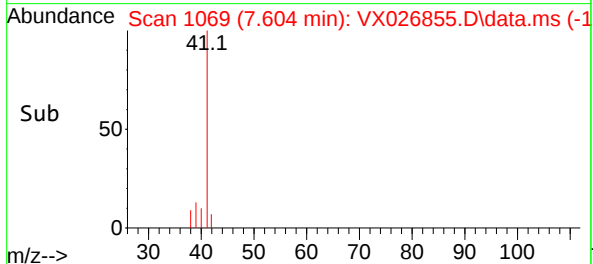
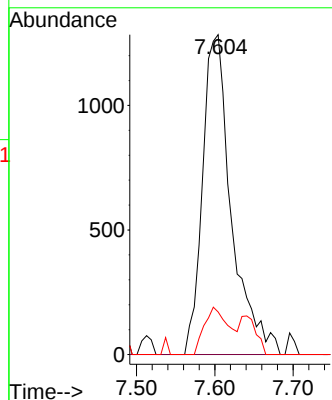
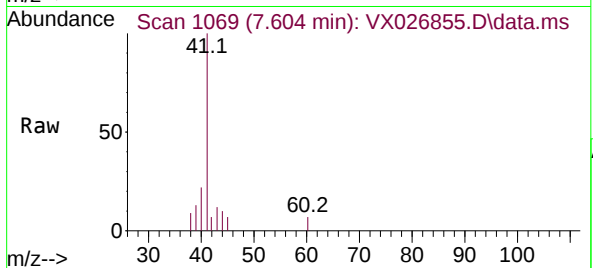
Acq: 09 Feb 2022 04:43

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 3295  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 0.0   | 62.2  | 93.4# |
| 39       | 0.0   | 45.4  | 68.0# |



#49

1,4-Dioxane

Concen: 2.196 ug/l

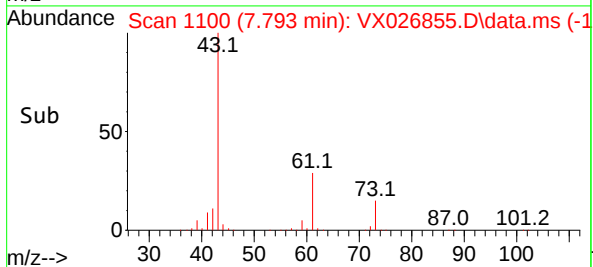
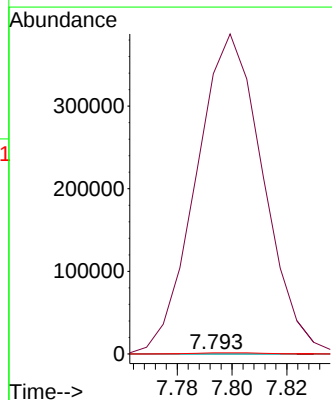
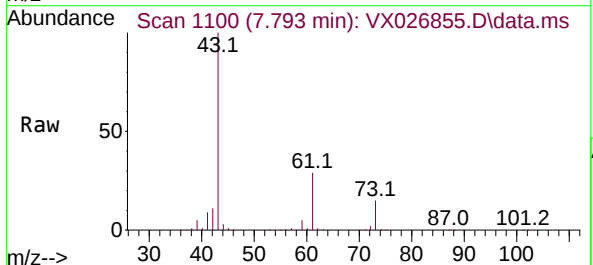
RT: 7.793 min Scan# 1100

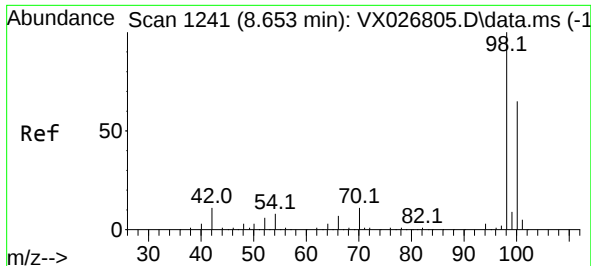
Delta R.T. 0.116 min

Lab File: VX026855.D

Acq: 09 Feb 2022 04:43

|          |          |       |       |
|----------|----------|-------|-------|
| Tgt Ion: | 88       | Resp: | 68    |
| Ion      | Ratio    | Lower | Upper |
| 88       | 100      |       |       |
| 43       | 977520.6 | 29.9  | 44.9# |
| 58       | 3685.3   | 57.8  | 86.6# |

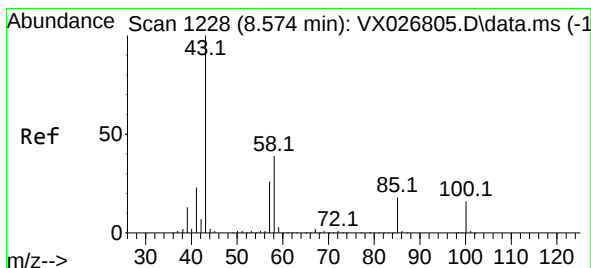
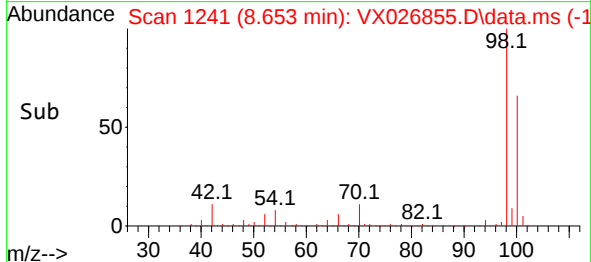
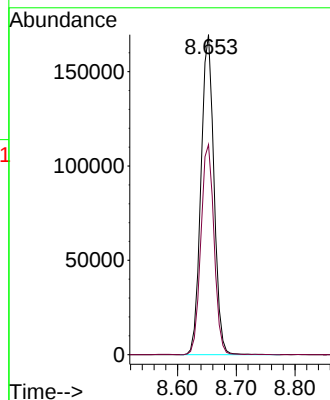
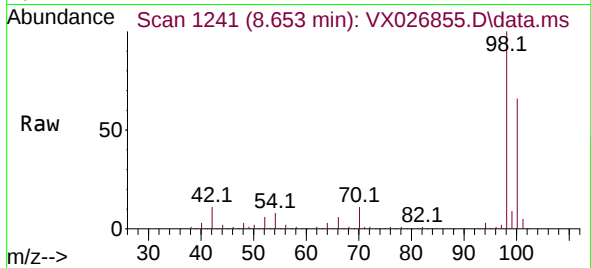




#50  
Toluene-d8  
Concen: 53.784 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

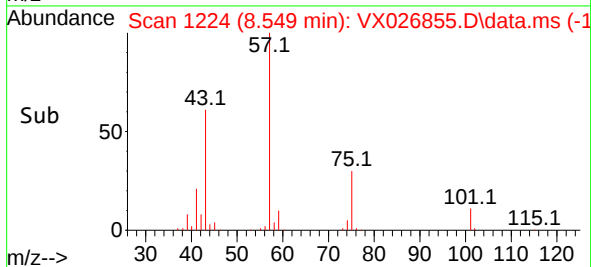
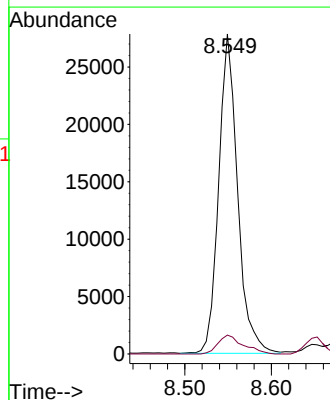
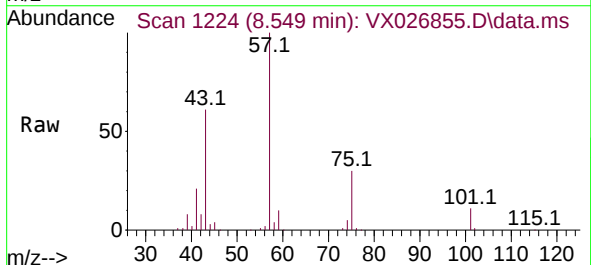
Instrument :  
MSVOA\_X  
ClientSampleId :

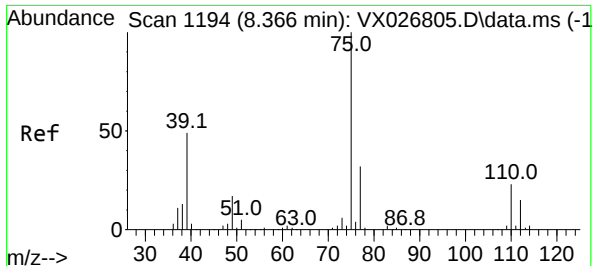
Tgt Ion: 98 Resp: 259607  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.2 79.8



#51  
4-Methyl-2-Pentanone  
Concen: 19.182 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.024 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion: 43 Resp: 42164  
Ion Ratio Lower Upper  
43 100  
58 7.8 30.5 45.7#

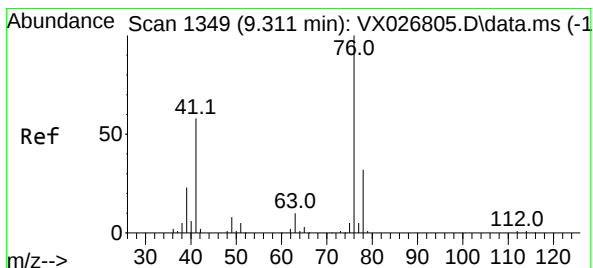
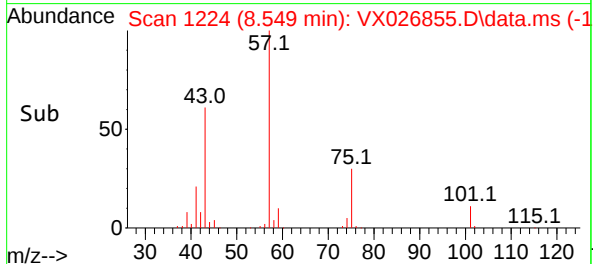
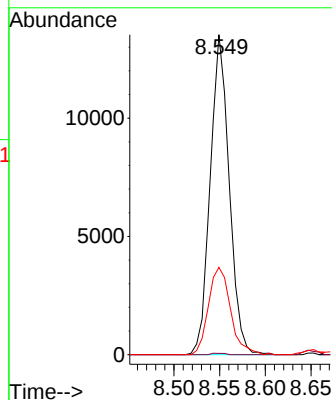
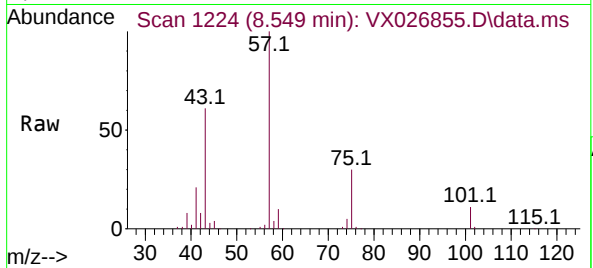




#54  
 cis-1,3-Dichloropropene  
 Concen: 8.724 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX026855.D  
 Acq: 09 Feb 2022 04:43

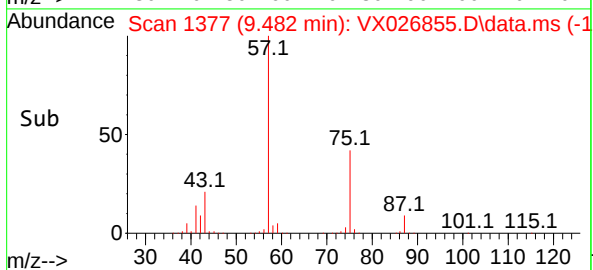
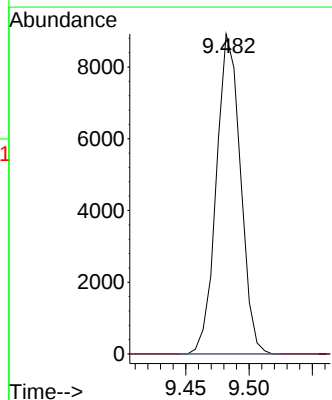
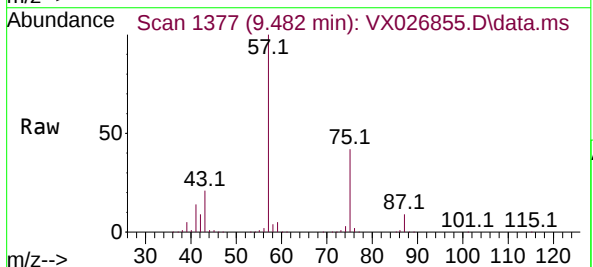
Instrument :  
 MSVOA\_X  
 ClientSampleId :

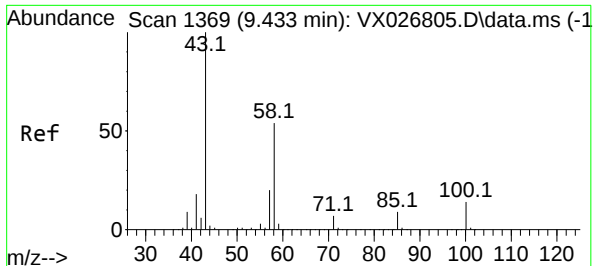
Tgt Ion: 75 Resp: 19526  
 Ion Ratio Lower Upper  
 75 100  
 77 0.4 26.2 39.2#  
 39 27.3 43.5 65.3#



#57  
 1,3-Dichloropropane  
 Concen: 4.748 ug/l  
 RT: 9.482 min Scan# 1377  
 Delta R.T. 0.171 min  
 Lab File: VX026855.D  
 Acq: 09 Feb 2022 04:43

Tgt Ion: 76 Resp: 11814  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 100.589 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX026855.D

Acq: 09 Feb 2022 04:43

Instrument :

MSVOA\_X

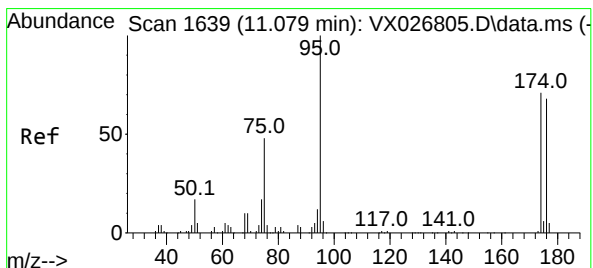
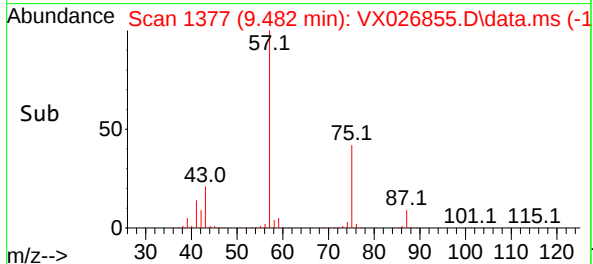
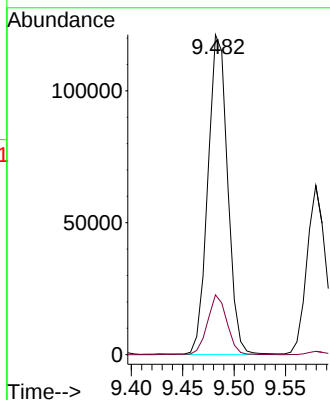
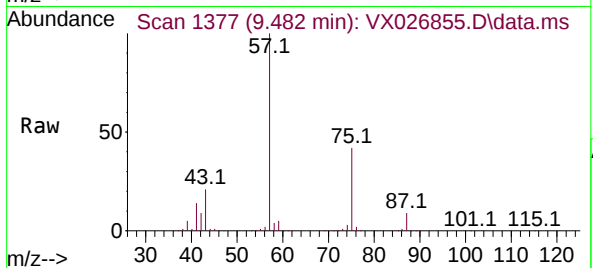
ClientSampleId :

Tgt Ion: 43 Resp: 161724

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 56.126 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026855.D

Acq: 09 Feb 2022 04:43

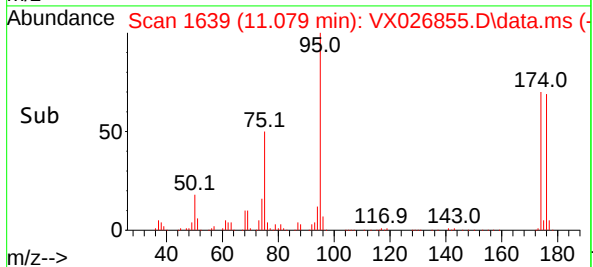
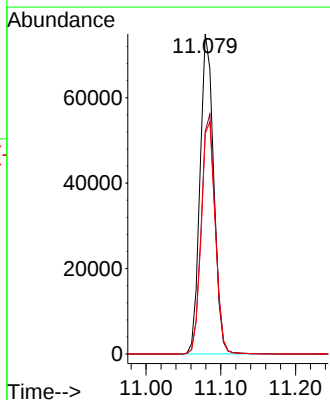
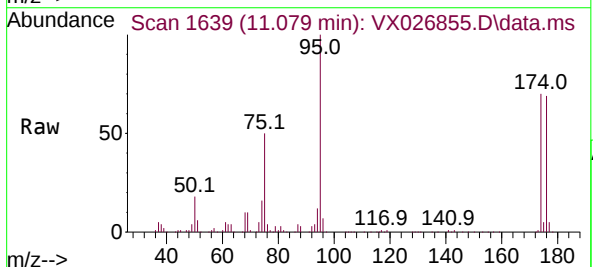
Tgt Ion: 95 Resp: 95380

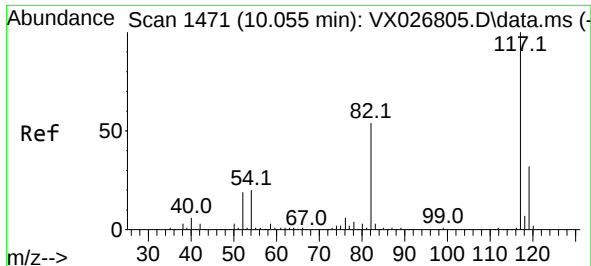
Ion Ratio Lower Upper

95 100

174 76.1 0.0 148.6

176 74.2 0.0 141.4

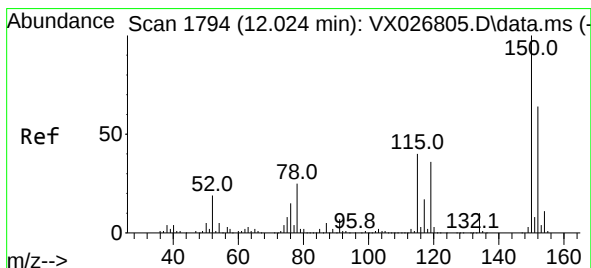
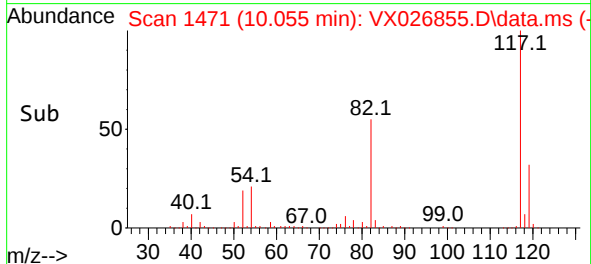
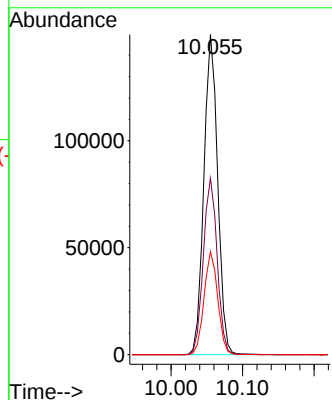
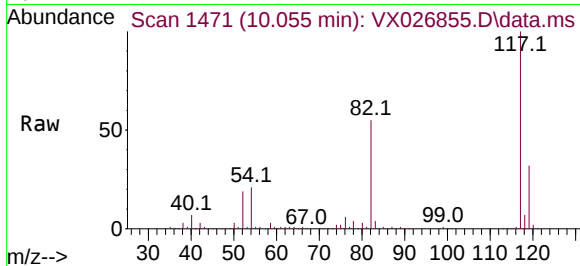




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

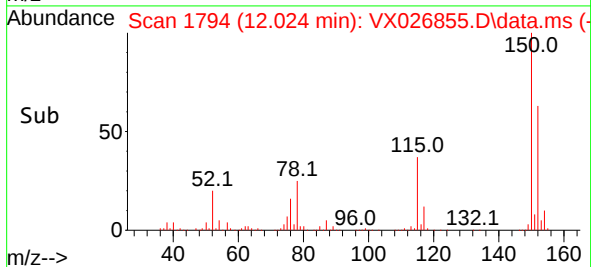
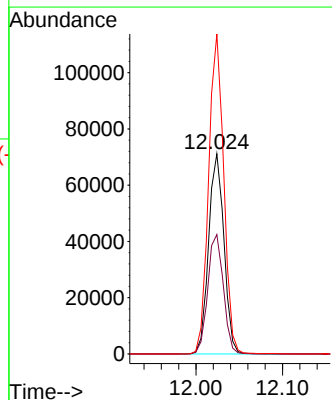
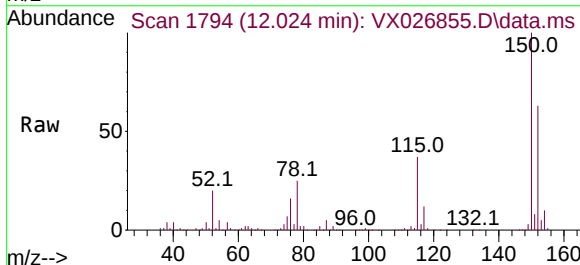
Instrument :  
MSVOA\_X  
ClientSampleId :

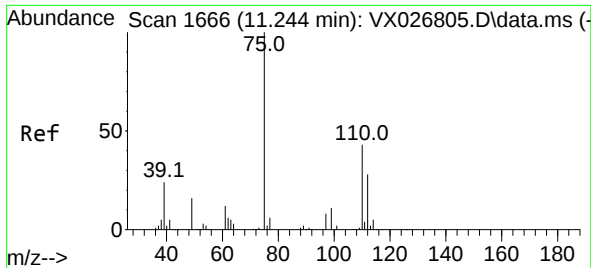
Tgt Ion:117 Resp: 200784  
Ion Ratio Lower Upper  
117 100  
82 55.2 45.2 67.8  
119 32.3 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion:152 Resp: 87653  
Ion Ratio Lower Upper  
152 100  
115 60.5 44.2 132.6  
150 157.0 0.0 348.2

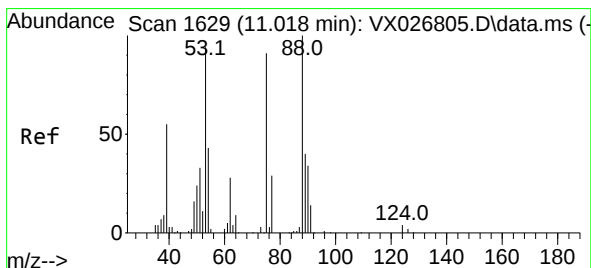
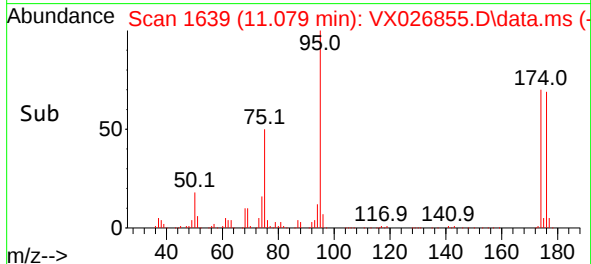
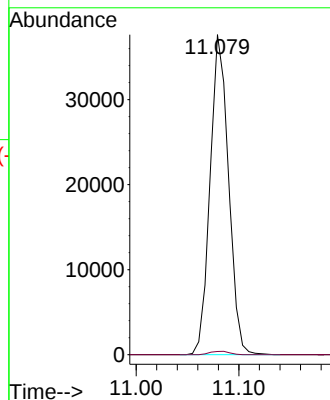
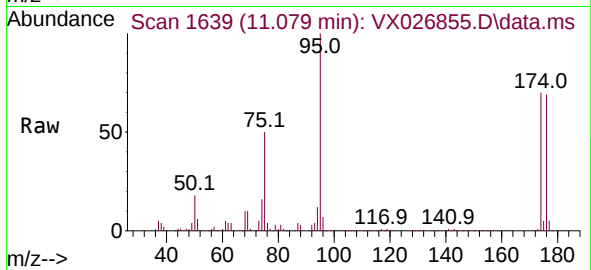




#76  
1,2,3-Trichloropropane  
Concen: 24.487 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 46985  
Ion Ratio Lower Upper  
75 100  
77 1.1 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.761 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026855.D  
Acq: 09 Feb 2022 04:43

Tgt Ion: 75 Resp: 46985  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.1 37.0 55.4#

