

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011522\  
 Data File : VX026473.D  
 Acq On : 14 Jan 2022 23:18  
 Operator : JC/MD  
 Sample : N1112-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 17 00:43:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

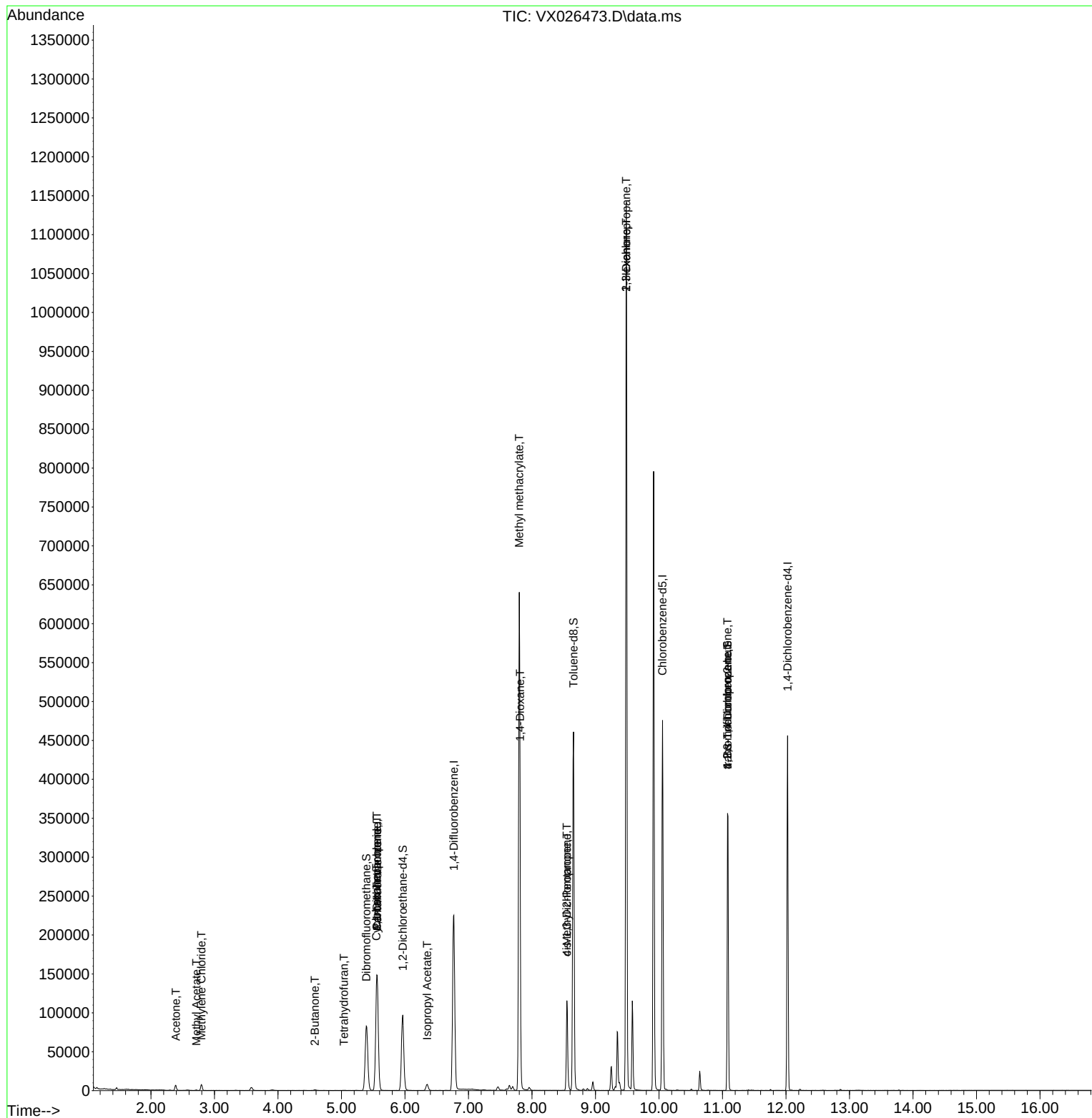
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 136597   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 229666   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 204442   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 89765    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 94831    | 49.698   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 99.400%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 73213    | 49.364   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.720%  |
| 50) Toluene-d8                | 8.653  | 98    | 269422   | 50.411   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 100.820% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 100419   | 52.892   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 105.780% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.392  | 43    | 7942     | 8.162    | ug/l # | 87       |
| 18) Methyl Acetate            | 2.715  | 43    | 837      | 0.433    | ug/l # | 76       |
| 20) Methylene Chloride        | 2.794  | 84    | 3216     | 2.000    | ug/l   | 97       |
| 25) 2-Butanone                | 4.581  | 43    | 1583     | 1.251    | ug/l   | 90       |
| 29) Tetrahydrofuran           | 5.038  | 42    | 272      | 0.362    | ug/l # | 34       |
| 31) Cyclohexane               | 5.550  | 56    | 3000     | 1.066    | ug/l # | 7        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 10963    | 4.682    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14489    | 6.016    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.349  | 43    | 11088    | 2.898    | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.799  | 41    | 56108    | 29.593   | ug/l # | 45       |
| 49) 1,4-Dioxane               | 7.812  | 88    | 22       | 0.707    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 40779    | 17.971   | ug/l # | 49       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 17500    | 7.082    | ug/l # | 59       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 9689     | 3.609    | ug/l # | 43       |
| 59) 2-Hexanone                | 9.482  | 43    | 142442   | 82.014   | ug/l # | 51       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 50092    | 25.345   | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 50092    | 76.969   | ug/l # | 3        |
| -----                         |        |       |          |          |        |          |

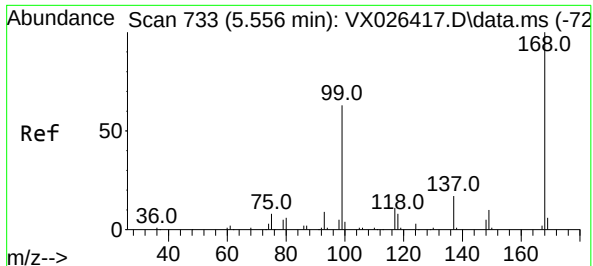
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :

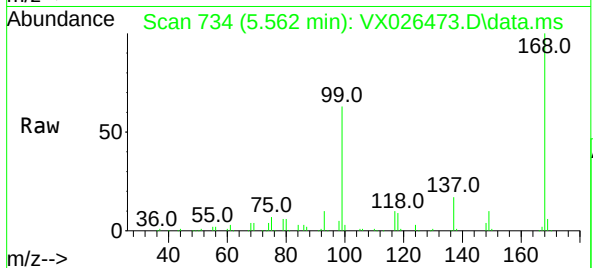
Quant Time: Jan 17 00:43:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
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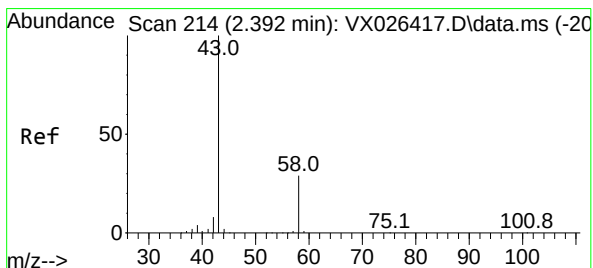
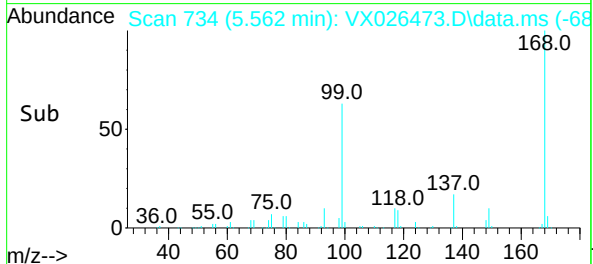
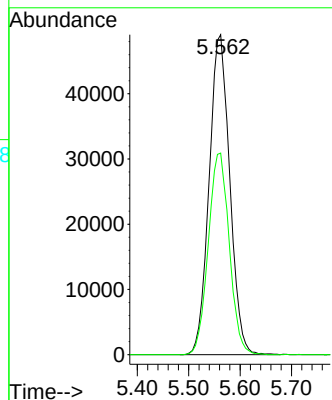


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

Instrument :  
MSVOA\_X  
ClientSampleId :

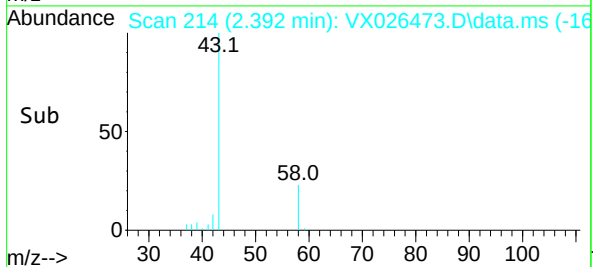
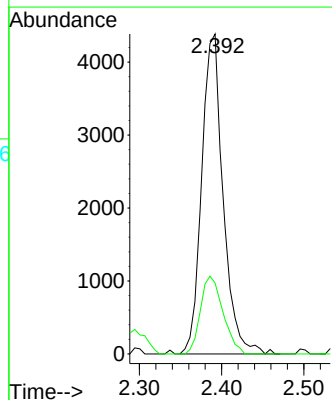
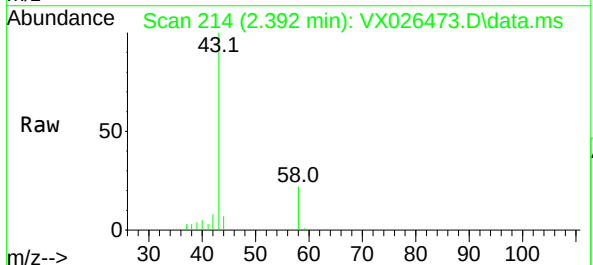


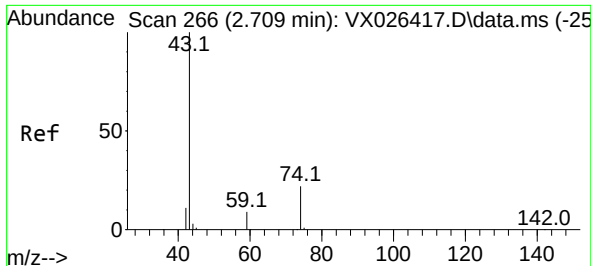
Tgt Ion:168 Resp: 136597  
Ion Ratio Lower Upper  
168 100  
99 63.0 50.3 75.5



#16  
Acetone  
Concen: 8.162 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

Tgt Ion: 43 Resp: 7942  
Ion Ratio Lower Upper  
43 100  
58 22.1 23.0 34.6#

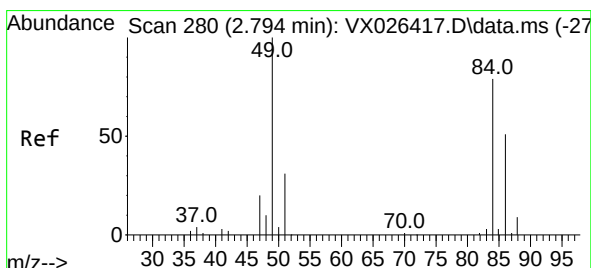
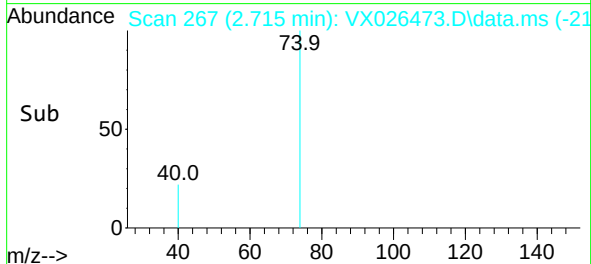
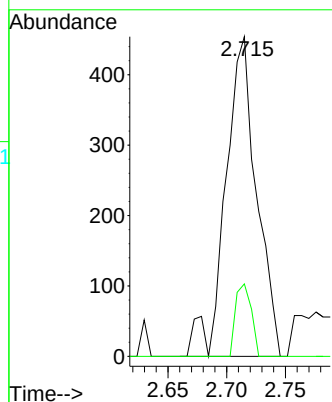
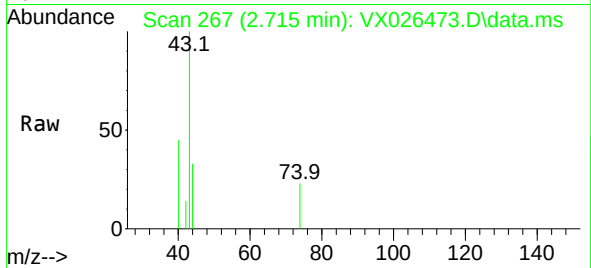




#18  
Methyl Acetate  
Concen: 0.433 ug/l  
RT: 2.715 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

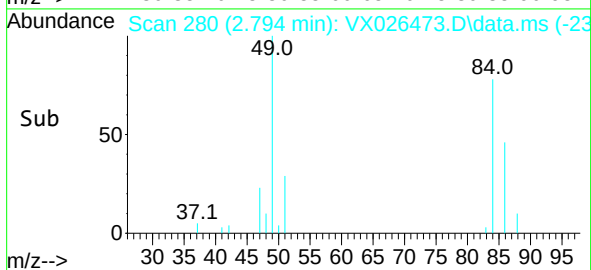
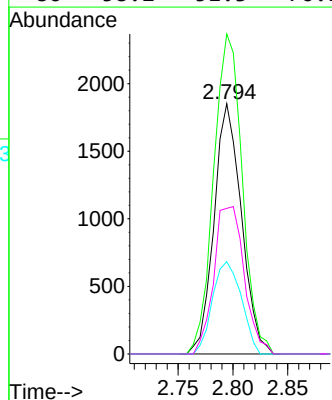
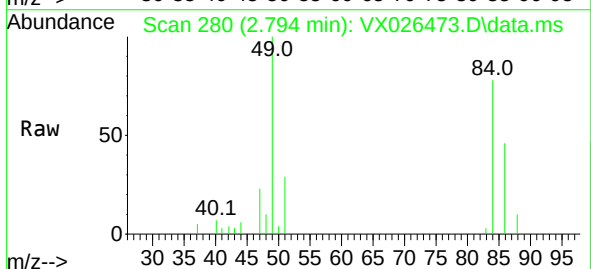
Instrument :  
MSVOA\_X  
ClientSampleId :

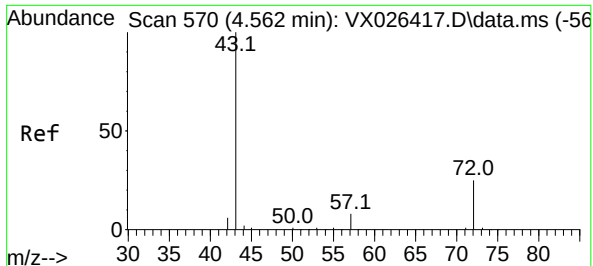
Tgt Ion: 43 Resp: 837  
Ion Ratio Lower Upper  
43 100  
74 11.4 18.3 27.5#



#20  
Methylene Chloride  
Concen: 2.000 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

Tgt Ion: 84 Resp: 3216  
Ion Ratio Lower Upper  
84 100  
49 127.9 101.5 152.3  
51 36.9 31.2 46.8  
86 58.2 51.3 76.9





#25

2-Butanone

Concen: 1.251 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

Instrument :

MSVOA\_X

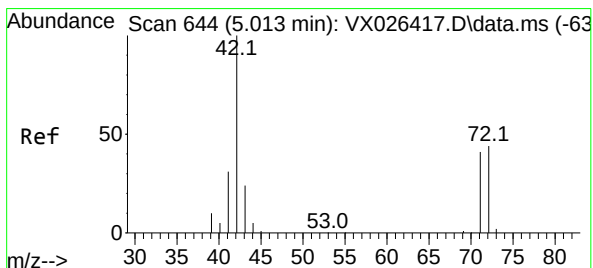
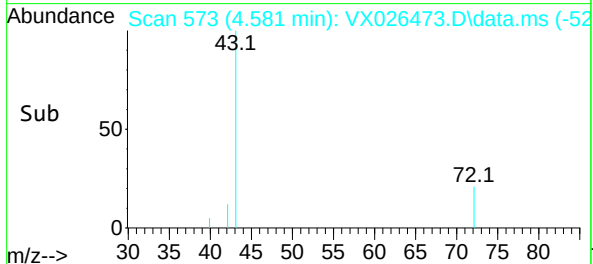
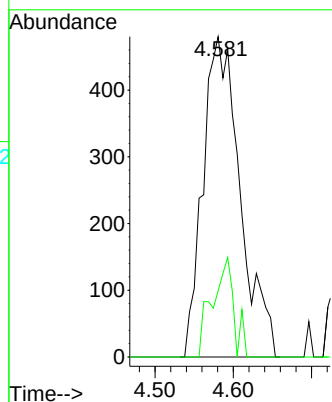
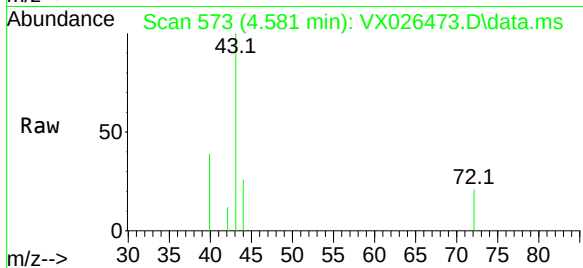
ClientSampleId :

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

72 20.6 20.4 30.6



#29

Tetrahydrofuran

Concen: 0.362 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

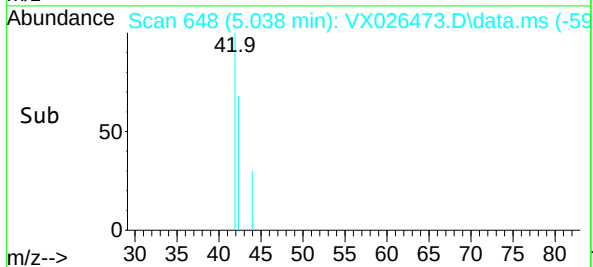
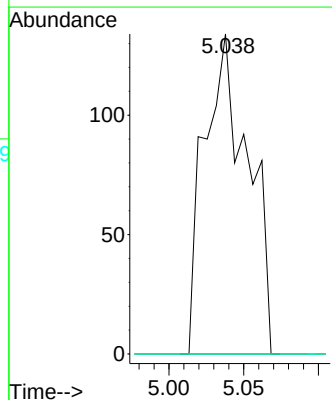
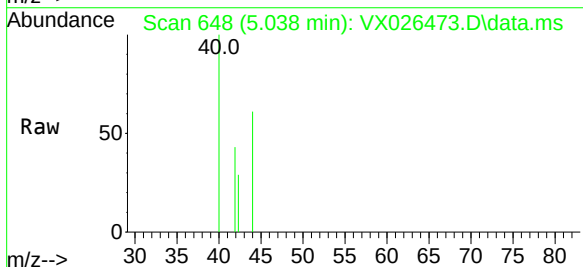
Tgt Ion: 42 Resp: 272

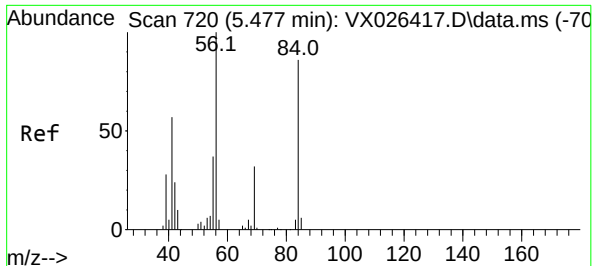
Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

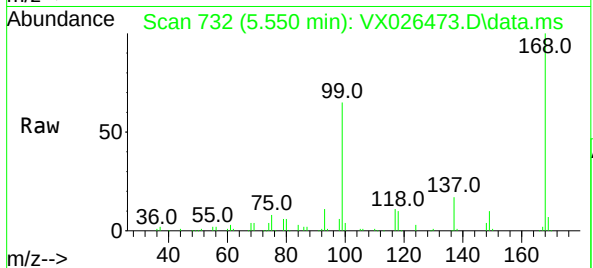
71 0.0 31.8 47.8#



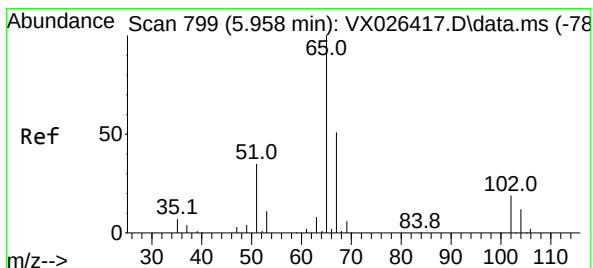
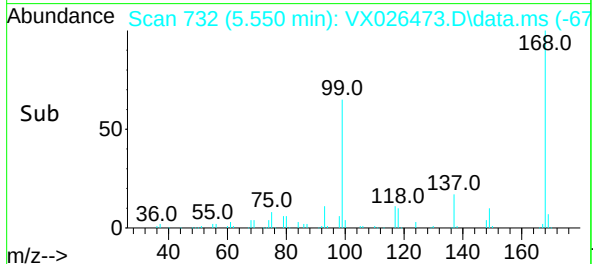
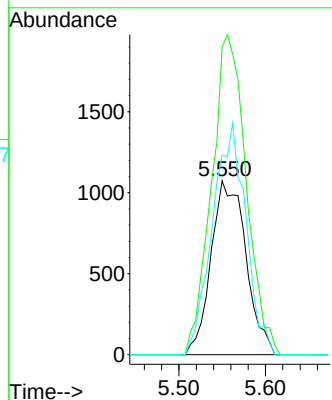


#31  
Cyclohexane  
Concen: 1.066 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.073 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

Instrument :  
MSVOA\_X  
ClientSampleId :

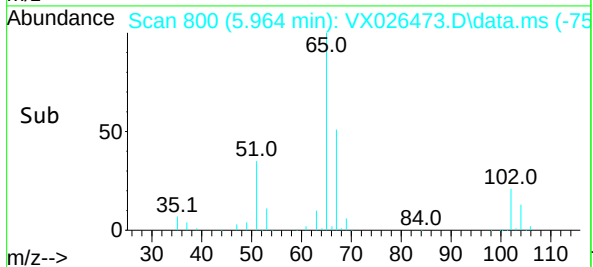
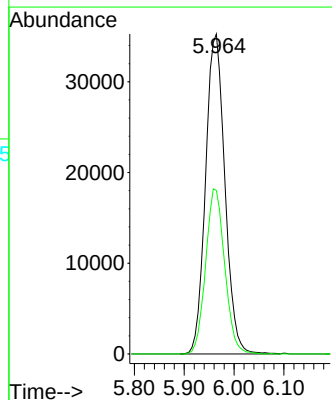
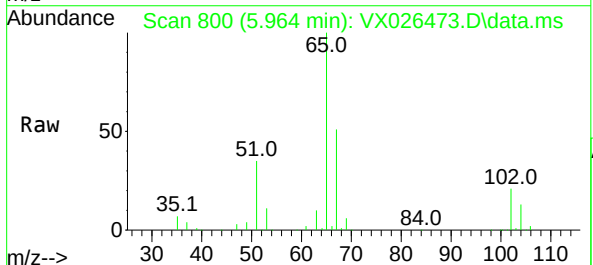


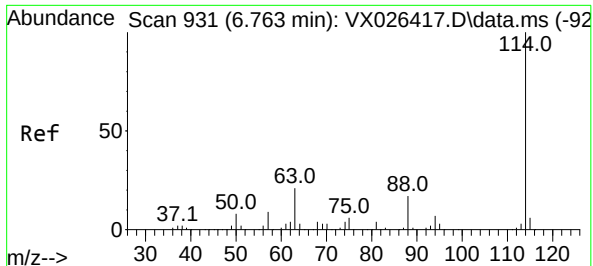
Tgt Ion: 56 Resp: 3000  
Ion Ratio Lower Upper  
56 100  
69 176.9 25.8 38.6#  
84 114.7 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.698 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

Tgt Ion: 65 Resp: 94831  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

Instrument :

MSVOA\_X

ClientSampleId :

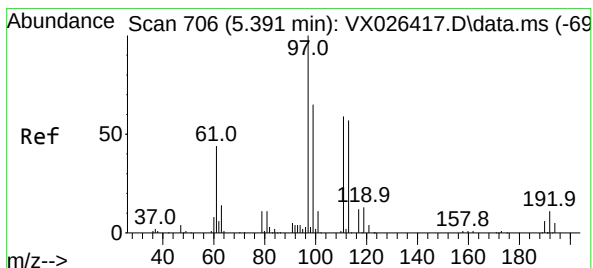
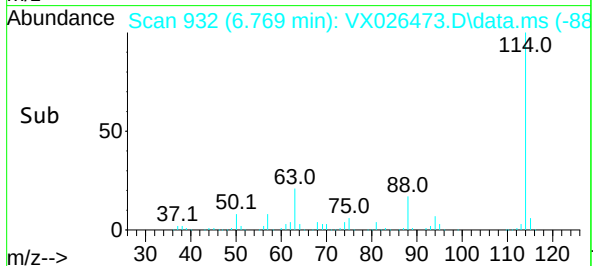
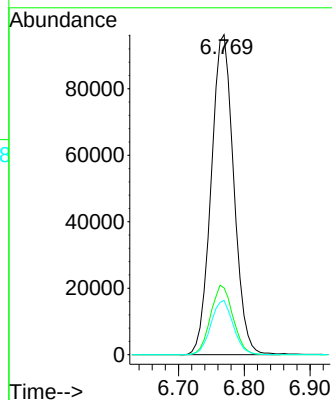
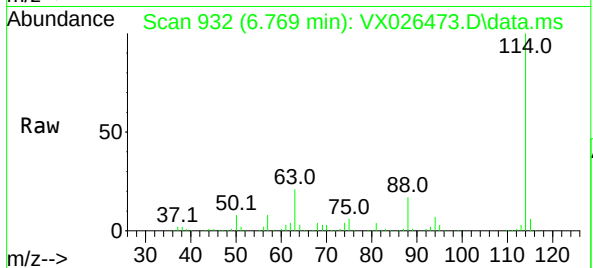
Tgt Ion:114 Resp: 229666

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

88 16.9 0.0 33.0



#35

Dibromofluoromethane

Concen: 49.364 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

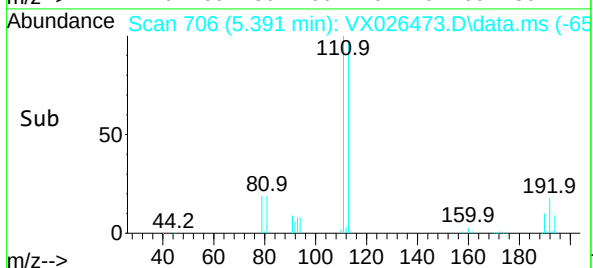
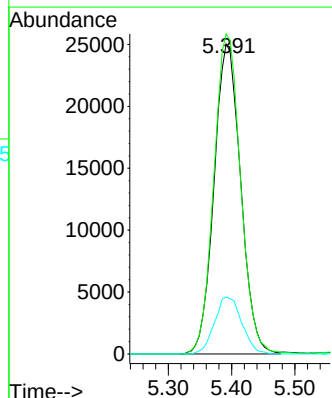
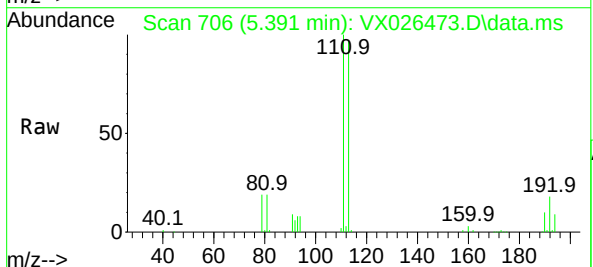
Tgt Ion:113 Resp: 73213

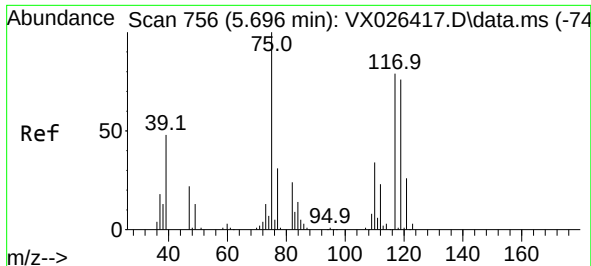
Ion Ratio Lower Upper

113 100

111 103.7 81.2 121.8

192 18.8 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.682 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

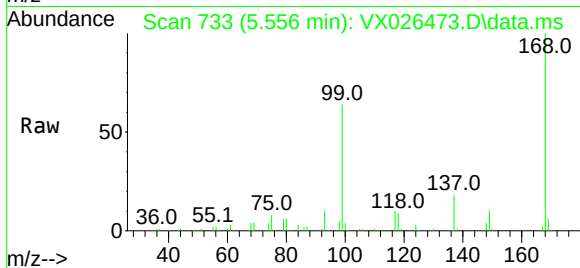
Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

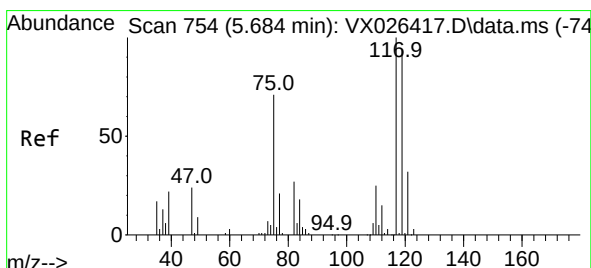
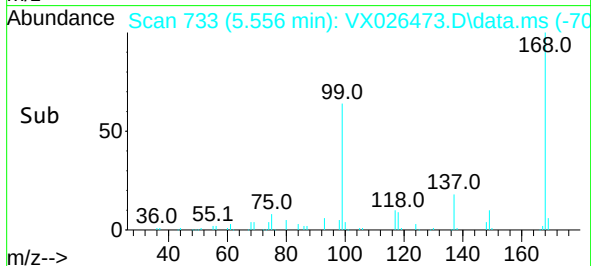
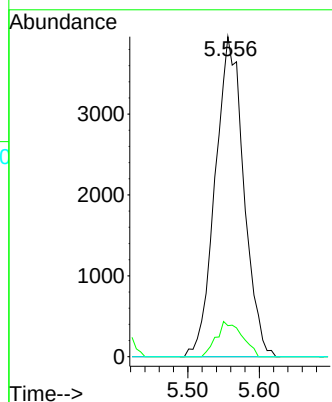
Instrument :

MSVOA\_X

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10963 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 9.9   | 17.2  | 51.6# |
| 77        | 0.0   | 24.6  | 36.8# |



#38

Carbon Tetrachloride

Concen: 6.016 ug/l

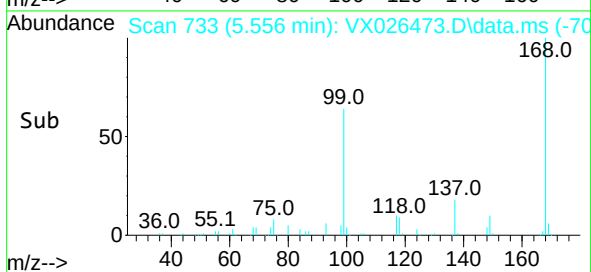
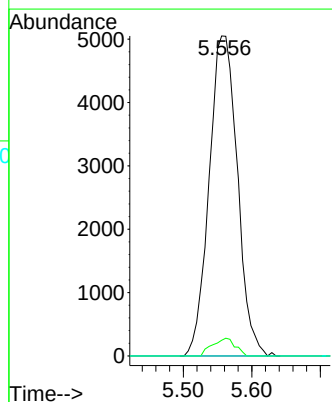
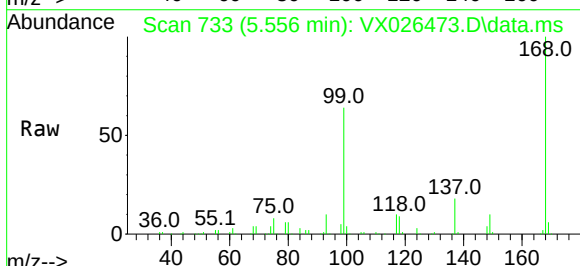
RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

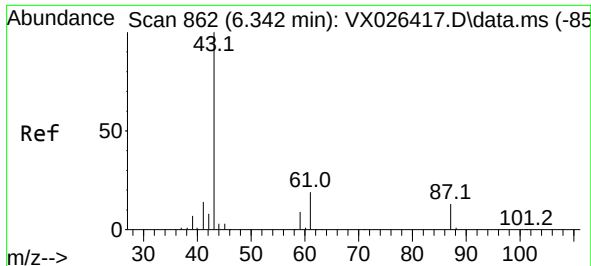
Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 14489  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 4.9   | 74.7  | 112.1# |
| 121       | 0.0   | 25.4  | 38.0#  |







#43

Isopropyl Acetate

Concen: 2.898 ug/l

RT: 6.349 min Scan# 81

Delta R.T. 0.006 min

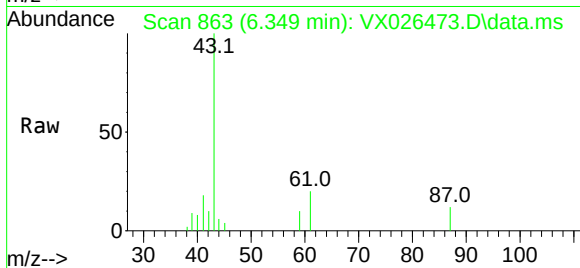
Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

Instrument :

MSVOA\_X

ClientSampleId :



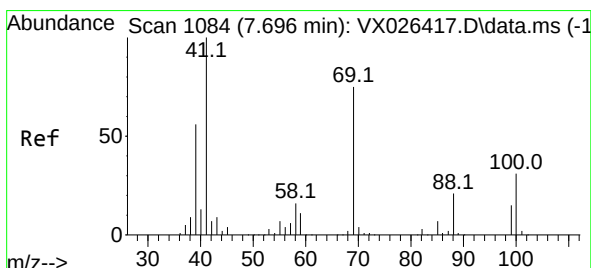
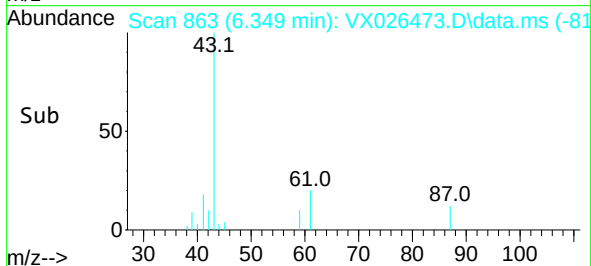
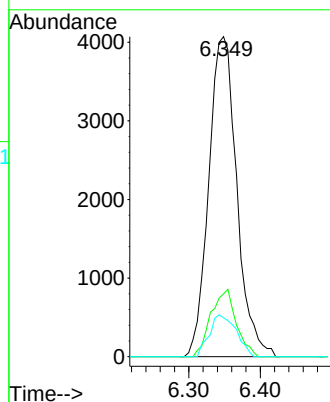
Tgt Ion: 43 Resp: 11088

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

87 12.5 10.2 15.2



#48

Methyl methacrylate

Concen: 29.593 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

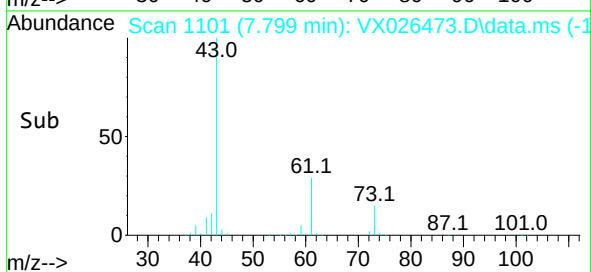
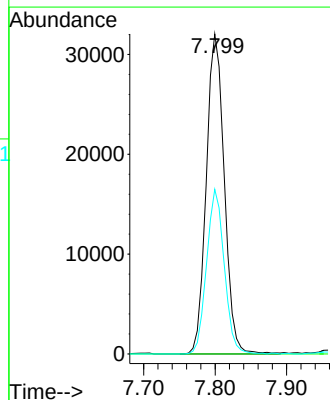
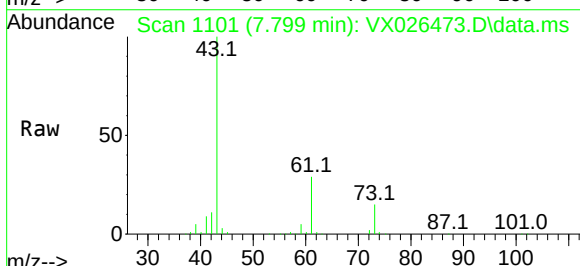
Tgt Ion: 41 Resp: 56108

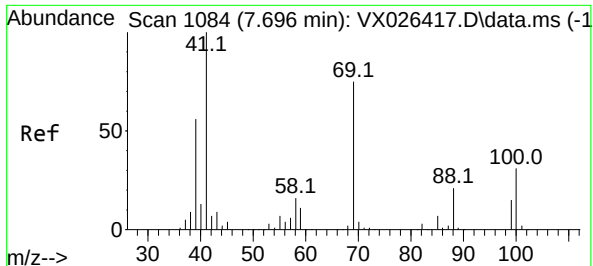
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 50.5 45.4 68.0





#49

1,4-Dioxane

Concen: 0.707 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.116 min

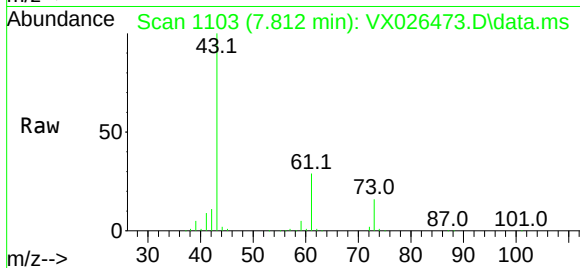
Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

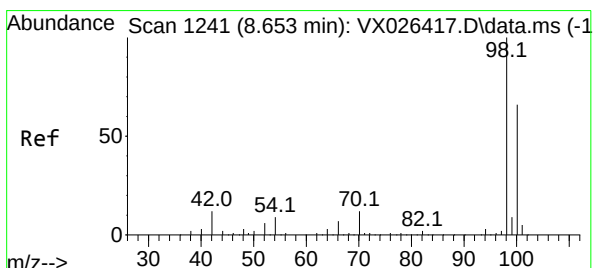
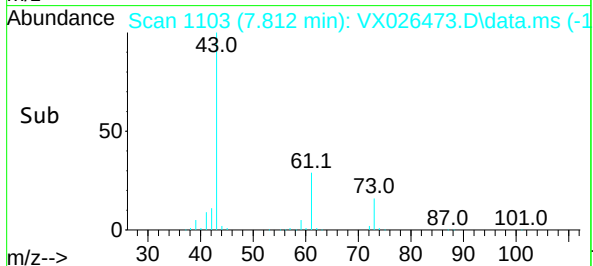
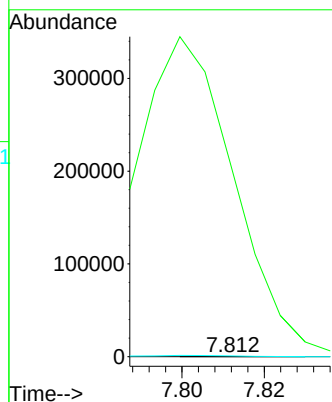
Instrument :

MSVOA\_X

ClientSampleId :



| Tgt Ion:  | 88        | Resp: | 22    |
|-----------|-----------|-------|-------|
| Ion Ratio | Lower     | Upper |       |
| 88        | 100       |       |       |
| 43        | 2702640.9 | 29.9  | 44.9# |
| 58        | 10150.0   | 57.8  | 86.6# |



#50

Toluene-d8

Concen: 50.411 ug/l

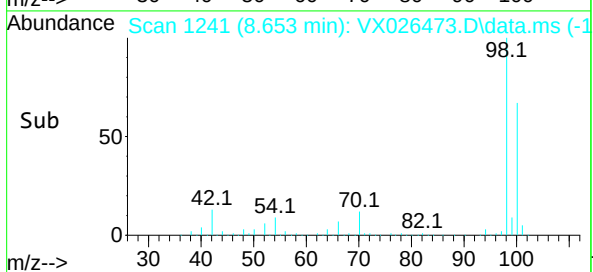
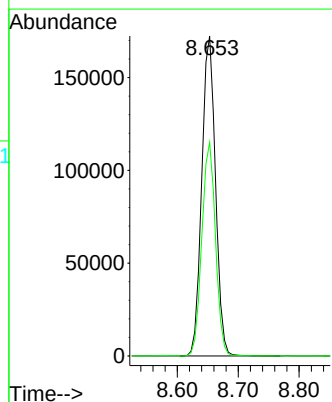
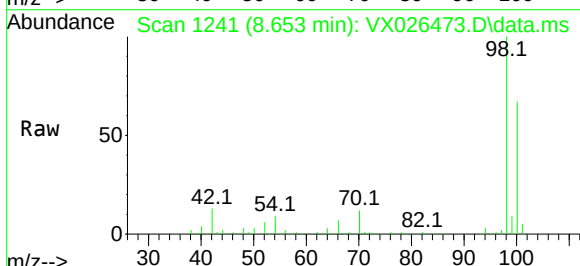
RT: 8.653 min Scan# 1241

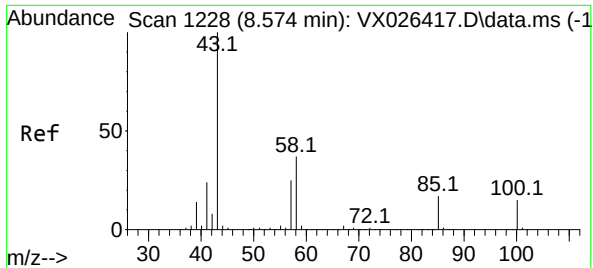
Delta R.T. 0.000 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

| Tgt Ion:  | 98    | Resp: | 269422 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 66.5  | 53.2  | 79.8   |

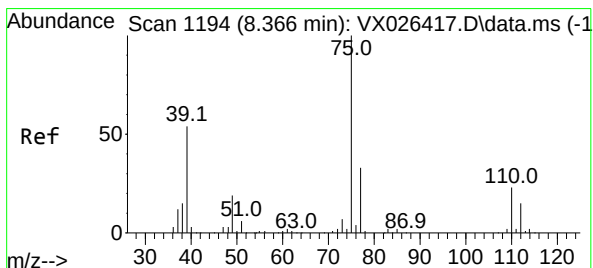
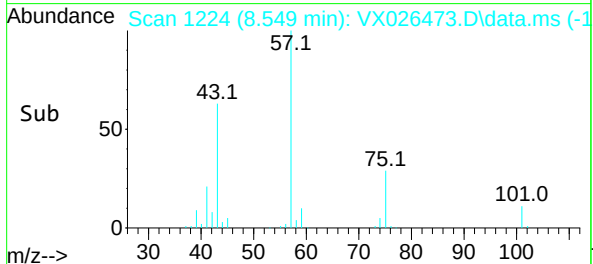
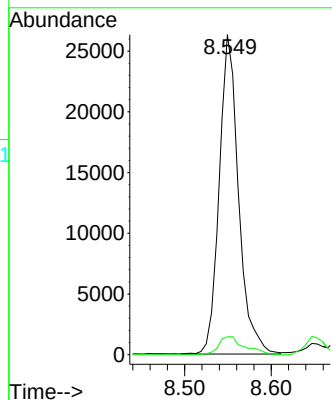
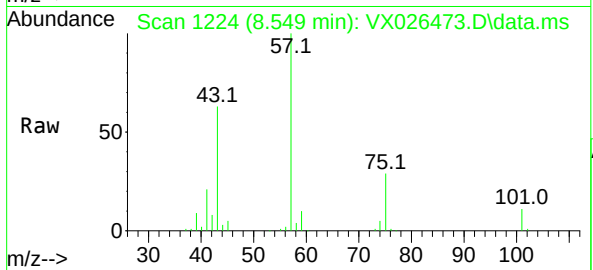




#51  
4-Methyl-2-Pentanone  
Concen: 17.971 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

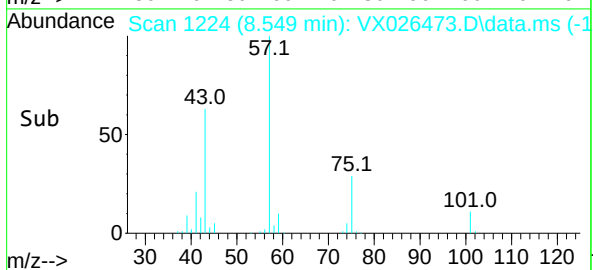
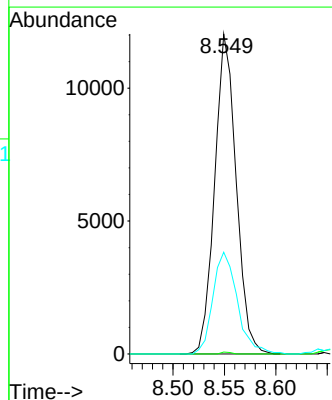
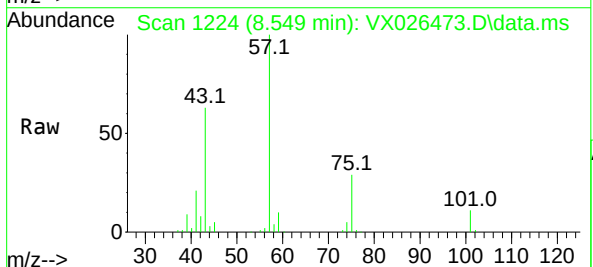
Instrument :  
MSVOA\_X  
ClientSampleId :

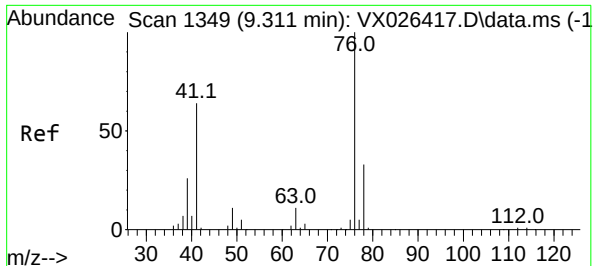
Tgt Ion: 43 Resp: 40779  
Ion Ratio Lower Upper  
43 100  
58 7.5 30.5 45.7#



#54  
cis-1,3-Dichloropropene  
Concen: 7.082 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. 0.183 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

Tgt Ion: 75 Resp: 17500  
Ion Ratio Lower Upper  
75 100  
77 0.6 26.2 39.2#  
39 31.8 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 3.609 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026473.D

Acq: 14 Jan 2022 23:18

Instrument :

MSVOA\_X

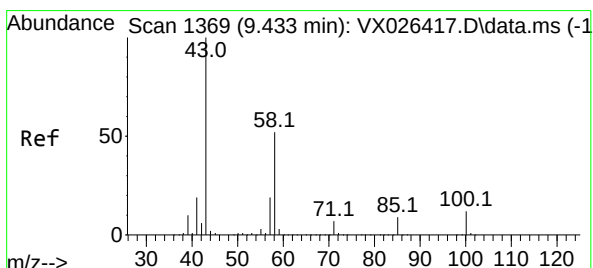
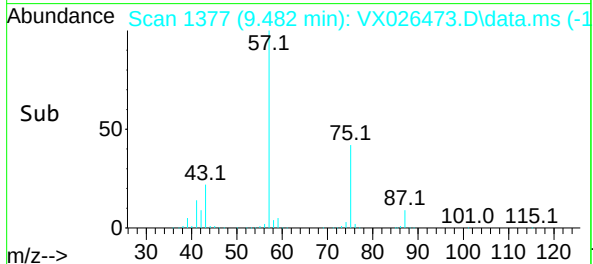
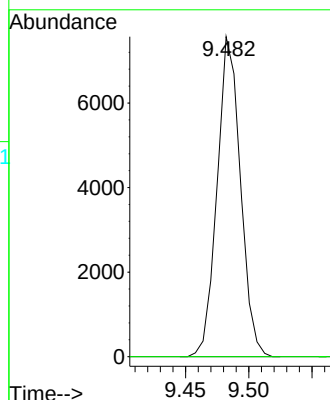
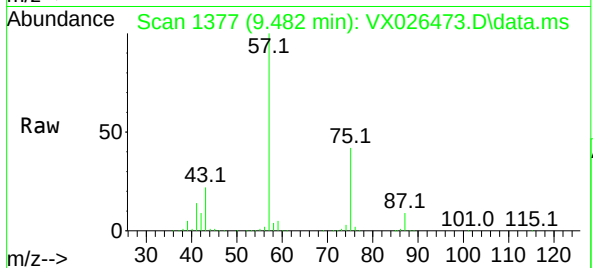
ClientSampleId :

Tgt Ion: 76 Resp: 9689

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 82.014 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026473.D

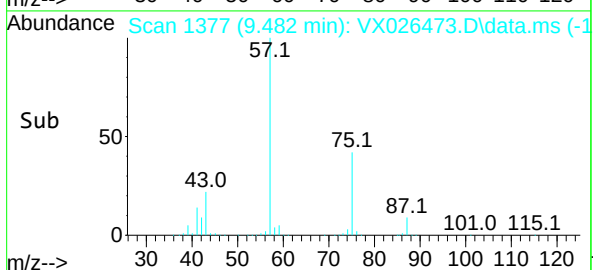
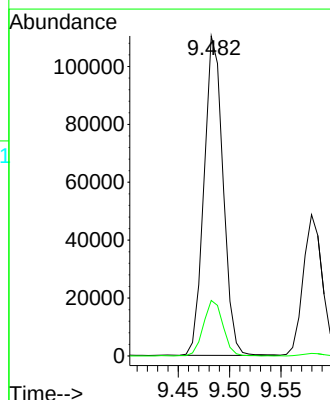
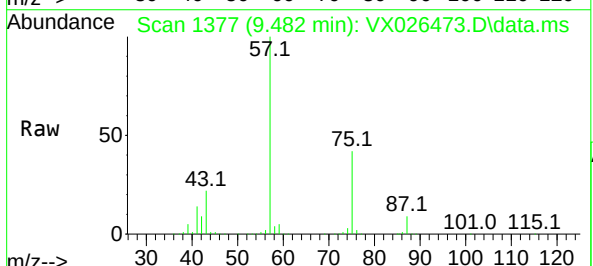
Acq: 14 Jan 2022 23:18

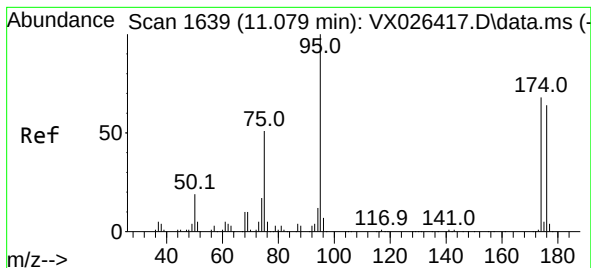
Tgt Ion: 43 Resp: 142442

Ion Ratio Lower Upper

43 100

58 17.9 26.4 79.2#

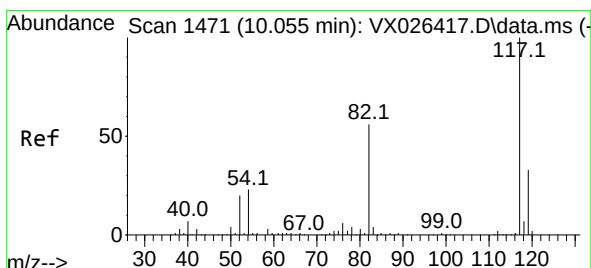
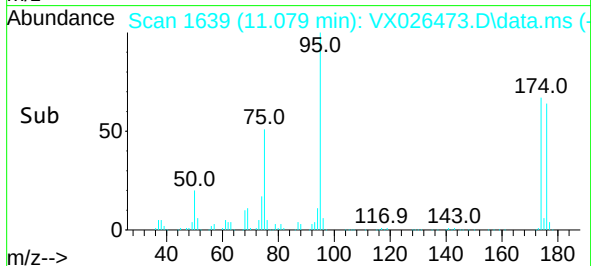
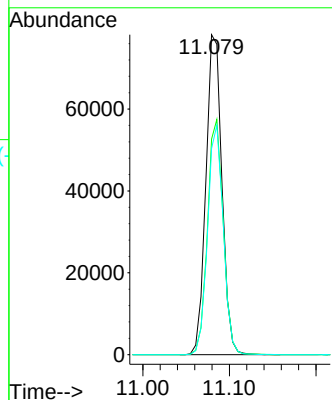
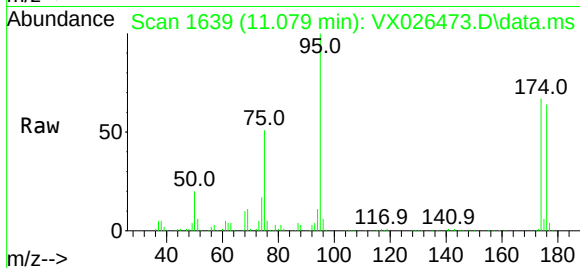




#62  
4-Bromofluorobenzene  
Concen: 52.892 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

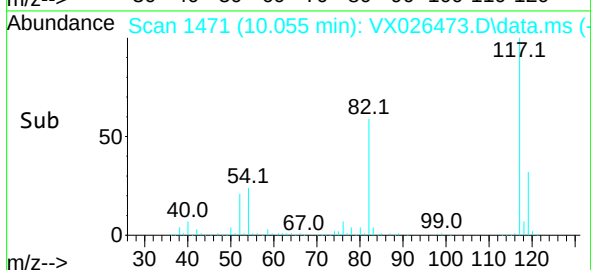
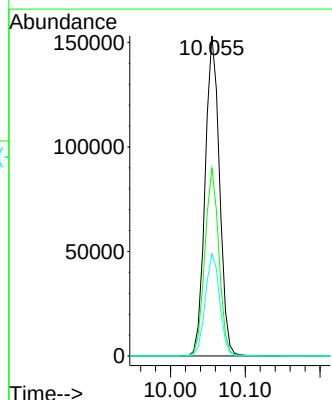
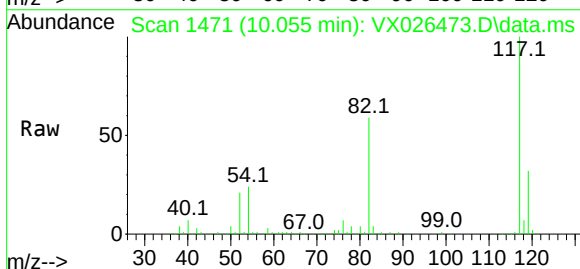
Instrument :  
MSVOA\_X  
ClientSampleId :

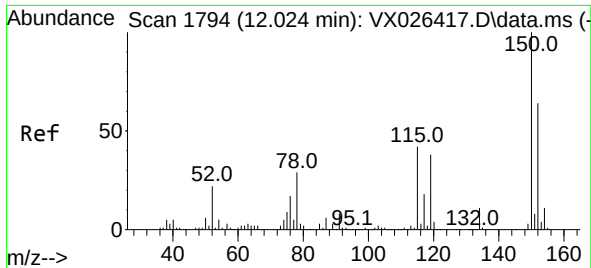
Tgt Ion: 95 Resp: 100419  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 148.6  
176 70.1 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026473.D  
Acq: 14 Jan 2022 23:18

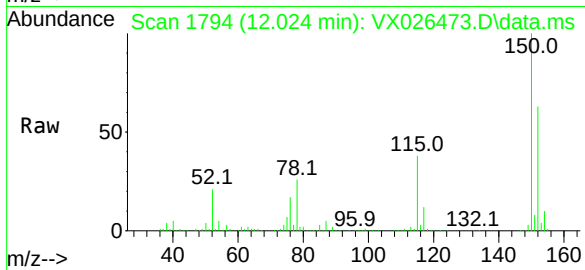
Tgt Ion: 117 Resp: 204442  
Ion Ratio Lower Upper  
117 100  
82 58.7 45.2 67.8  
119 31.9 26.2 39.2



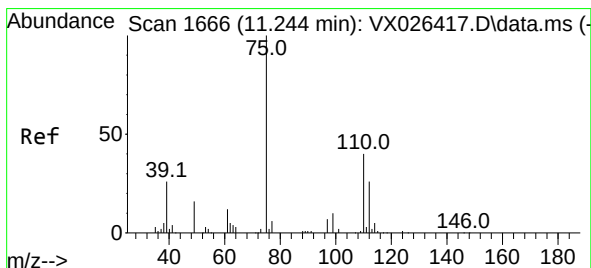
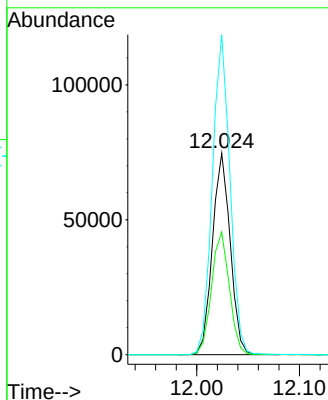
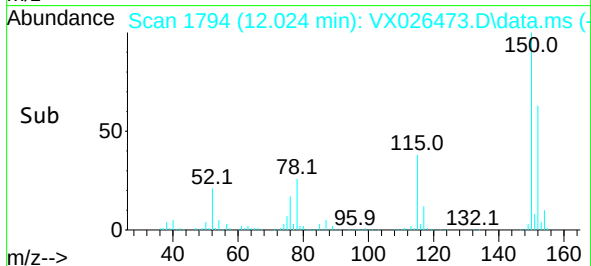


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX026473.D  
 Acq: 14 Jan 2022 23:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :

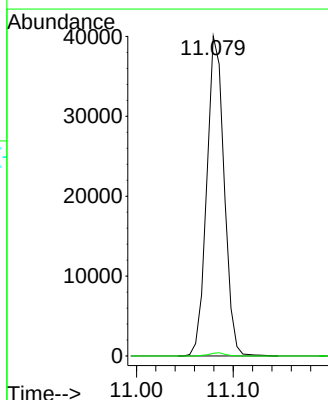
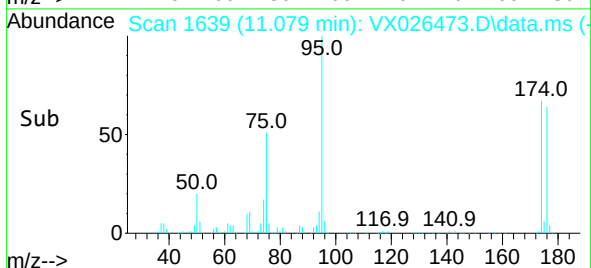
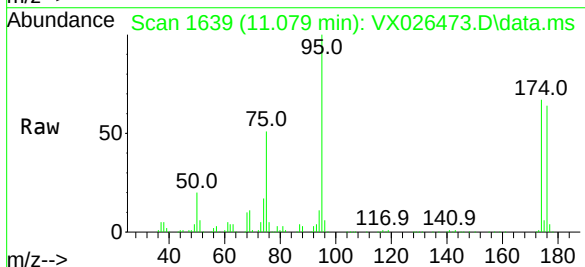


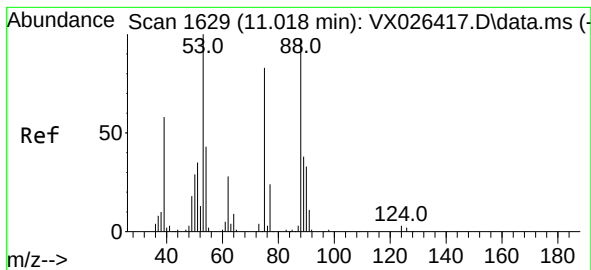
Tgt Ion:152 Resp: 89765  
 Ion Ratio Lower Upper  
 152 100  
 115 61.2 44.2 132.6  
 150 157.0 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 25.345 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.164 min  
 Lab File: VX026473.D  
 Acq: 14 Jan 2022 23:18

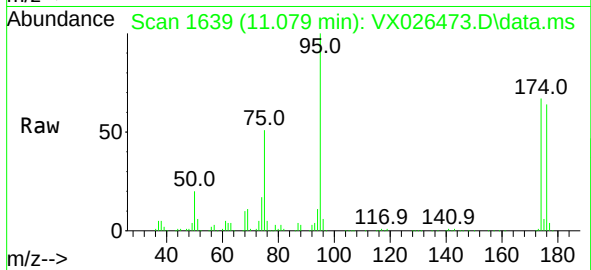
Tgt Ion: 75 Resp: 50092  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 18.3 54.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 76.969 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX026473.D  
 Acq: 14 Jan 2022 23:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 50092  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 94.0 141.0#  
 89 0.0 37.0 55.4#

