

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX043024\  
 Data File : VX041295.D  
 Acq On : 30 Apr 2024 13:24  
 Operator : JC/MD  
 Sample : VX0430WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 01 02:43:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

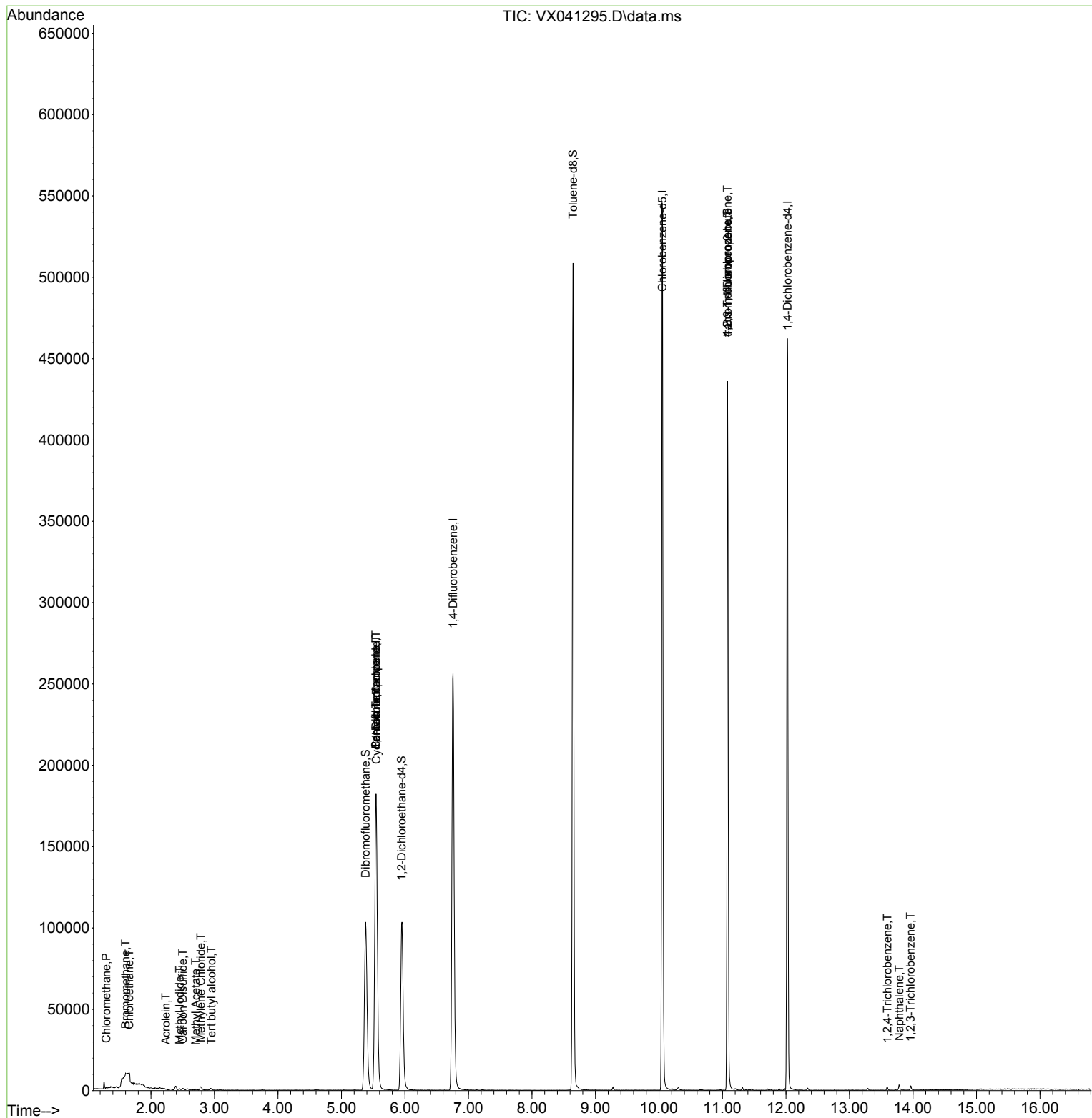
| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 199256   | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 286230   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 267764   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 104088   | 50.000    | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 103956   | 47.924    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =     | 95.840%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 88541    | 45.647    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =     | 91.300%  |
| 50) Toluene-d8                | 8.647  | 98    | 307324   | 50.058    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =     | 100.120% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 104097   | 43.801    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =     | 87.600%  |
| Target Compounds              |        |       |          |           |       |          |
|                               |        |       |          |           |       | Qvalue   |
| 3) Chloromethane              | 1.295  | 50    | 645      | 0.381     | ug/l  | 90       |
| 5) Bromomethane               | 1.599  | 94    | 858      | 0.847     | ug/l  | 100      |
| 6) Chloroethane               | 1.654  | 64    | 150      | 0.200     | ug/l  | # 67     |
| 10) Methyl Iodide             | 2.453  | 142   | 1031     | 0.612     | ug/l  | # 81     |
| 11) Tert butyl alcohol        | 2.953  | 59    | 690      | 1.589     | ug/l  | # 78     |
| 13) Acrolein                  | 2.233  | 56    | 124      | 0.360     | ug/l  | 100      |
| 16) Acetone                   | 2.386  | 43    | 2609     | Below Cal |       | 95       |
| 17) Carbon Disulfide          | 2.502  | 76    | 1264     | 0.348     | ug/l  | 100      |
| 18) Methyl Acetate            | 2.703  | 43    | 515      | 0.232     | ug/l  | # 53     |
| 20) Methylene Chloride        | 2.788  | 84    | 1247     | 0.662     | ug/l  | 87       |
| 31) Cyclohexane               | 5.550  | 56    | 3311     | 1.265     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 11991    | 5.170     | ug/l  | # 50     |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 16746    | 6.302     | ug/l  | # 15     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 52902    | 31.187    | ug/l  | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 52902    | 84.948    | ug/l  | # 5      |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 870      | 0.362     | ug/l  | 96       |
| 95) Naphthalene               | 13.786 | 128   | 3136     | 0.440     | ug/l  | # 96     |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 1089     | 0.443     | ug/l  | 87       |
| -----                         |        |       |          |           |       |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX043024\  
Data File : VX041295.D  
Acq On : 30 Apr 2024 13:24  
Operator : JC/MD  
Sample : VX0430WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: May 01 02:43:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration

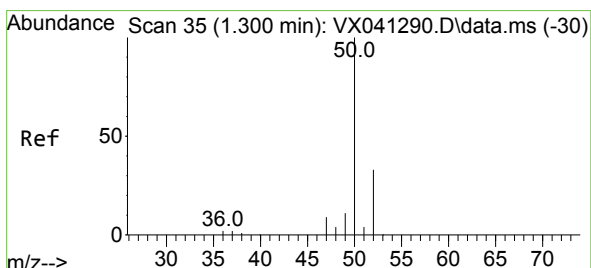
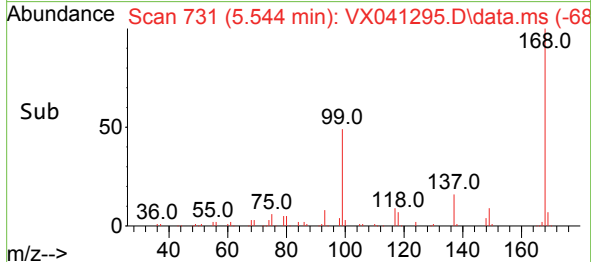
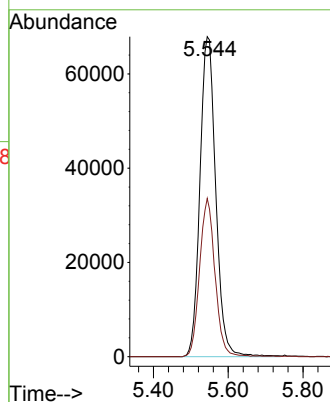
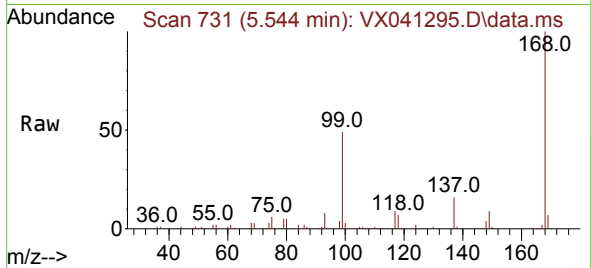




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

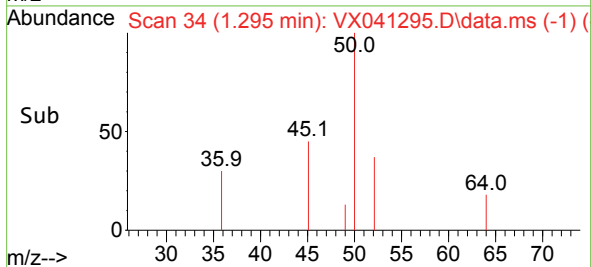
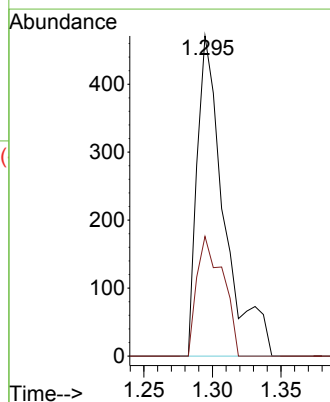
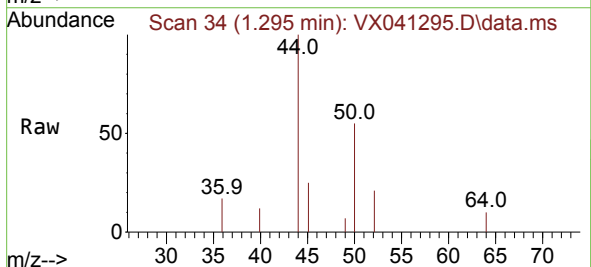
Instrument :  
MSVOA\_X  
ClientSampleId :

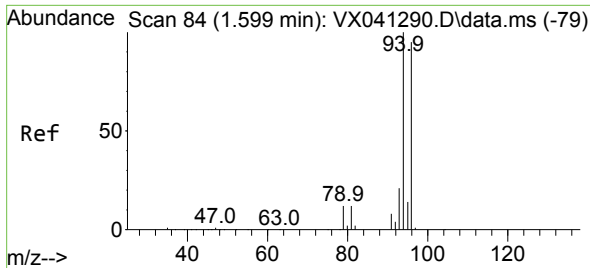
Tgt Ion:168 Resp: 199256  
Ion Ratio Lower Upper  
168 100  
99 49.4 56.6 85.0#



#3  
Chloromethane  
Concen: 0.381 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

Tgt Ion: 50 Resp: 645  
Ion Ratio Lower Upper  
50 100  
52 37.4 25.5 38.3

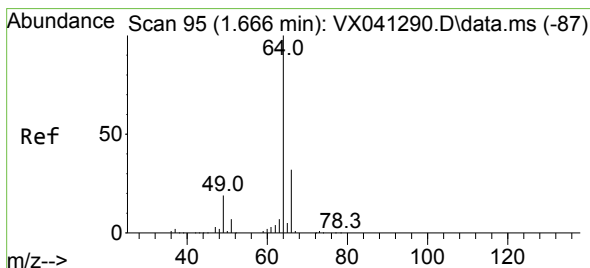
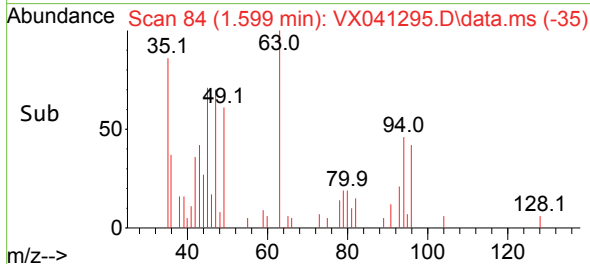
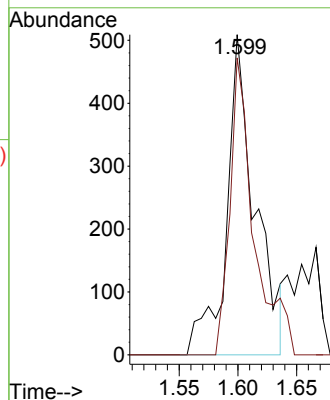
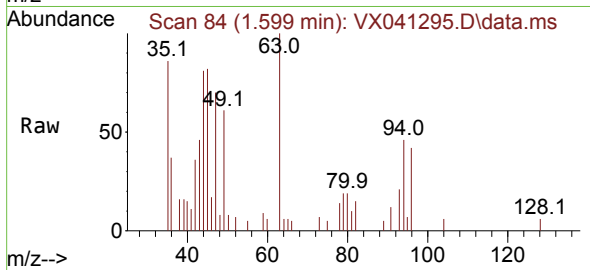




#5  
 Bromomethane  
 Concen: 0.847 ug/l  
 RT: 1.599 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VX041295.D  
 Acq: 30 Apr 2024 13:24

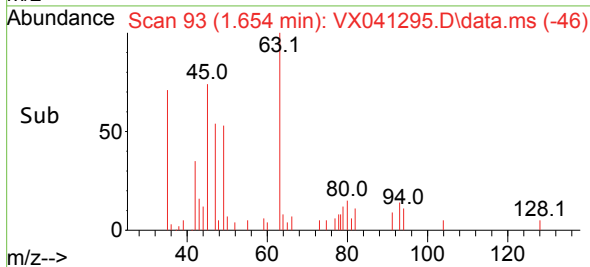
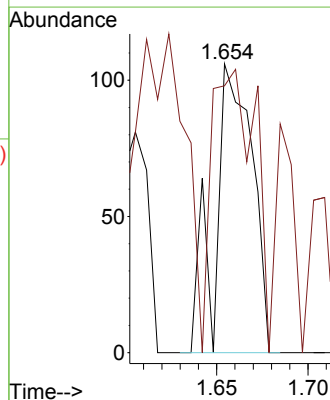
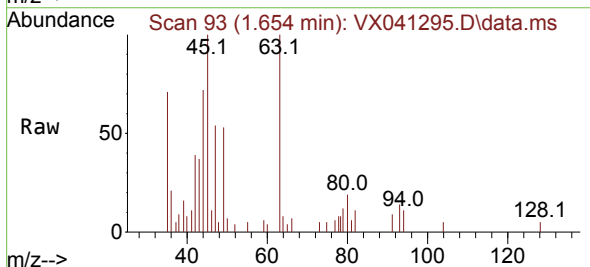
Instrument :  
 MSVOA\_X  
 ClientSampleId :

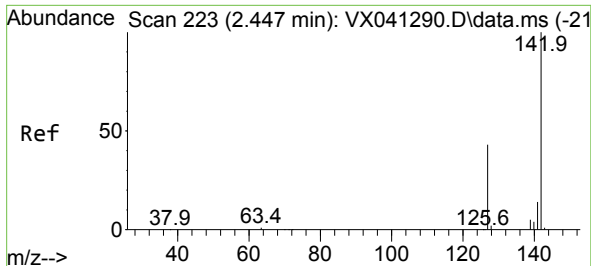
Tgt Ion: 94 Resp: 858  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 74.6 111.8



#6  
 Chloroethane  
 Concen: 0.200 ug/l  
 RT: 1.654 min Scan# 93  
 Delta R.T. -0.012 min  
 Lab File: VX041295.D  
 Acq: 30 Apr 2024 13:24

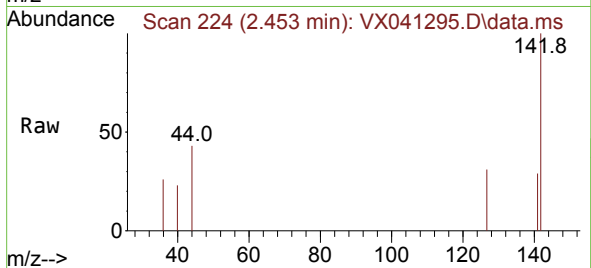
Tgt Ion: 64 Resp: 150  
 Ion Ratio Lower Upper  
 64 100  
 66 13.2 25.1 37.7#



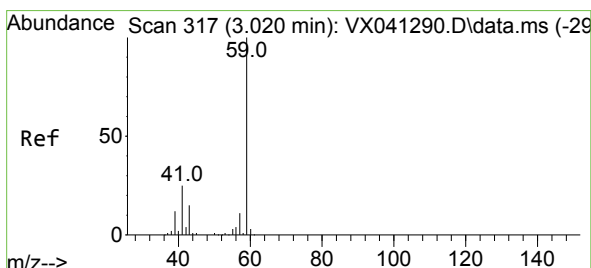
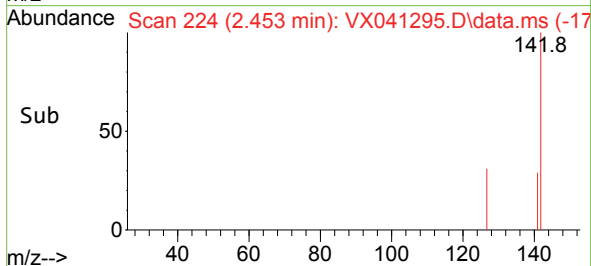
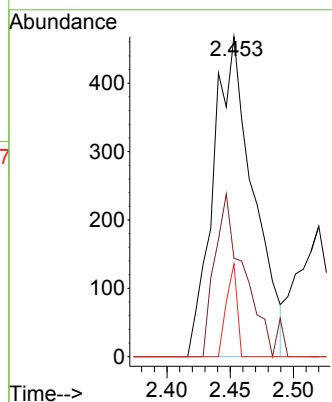


#10  
Methyl Iodide  
Concen: 0.612 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :

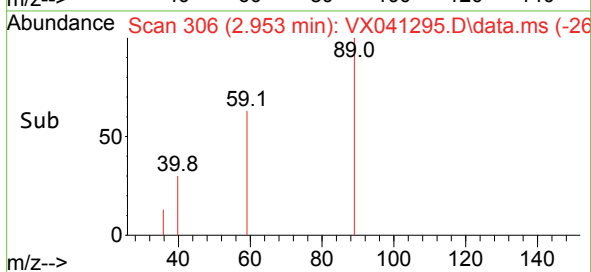
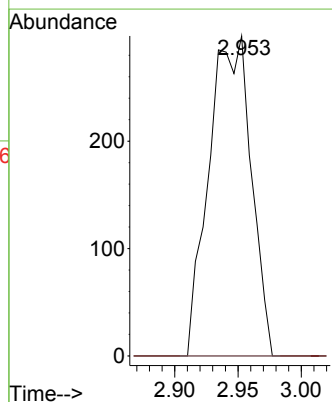
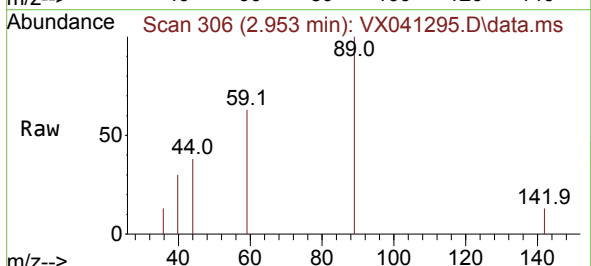


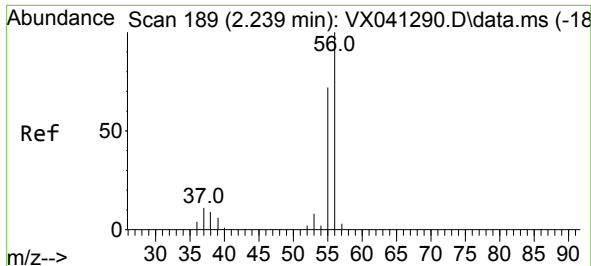
Tgt Ion:142 Resp: 1031  
Ion Ratio Lower Upper  
142 100  
127 38.6 41.6 62.4#  
141 7.7 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 1.589 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.067 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

Tgt Ion: 59 Resp: 690  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.360 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

Instrument :

MSVOA\_X

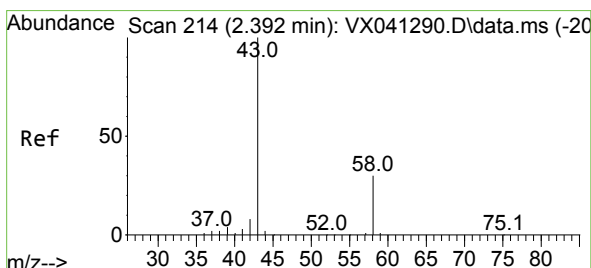
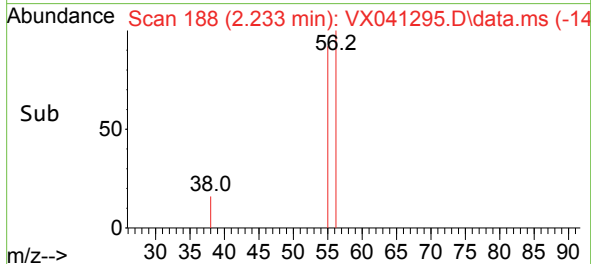
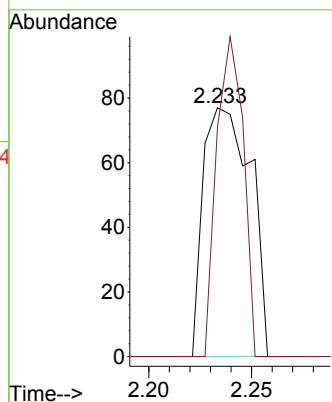
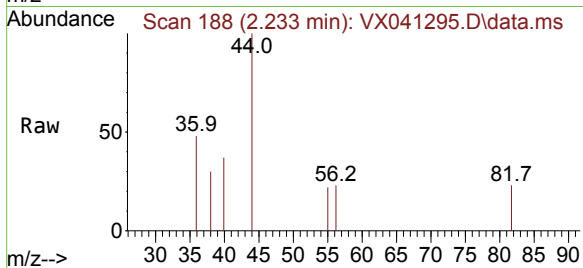
ClientSampleId :

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 71.8 57.1 85.7



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041295.D

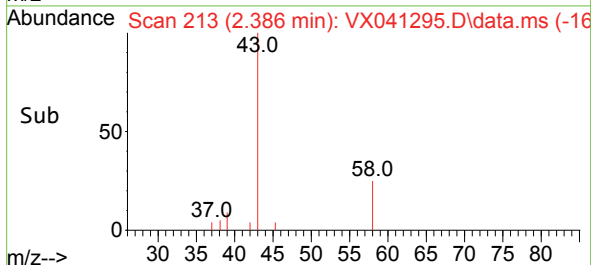
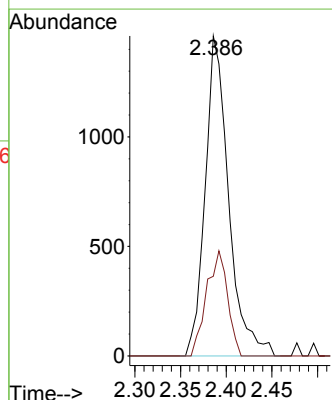
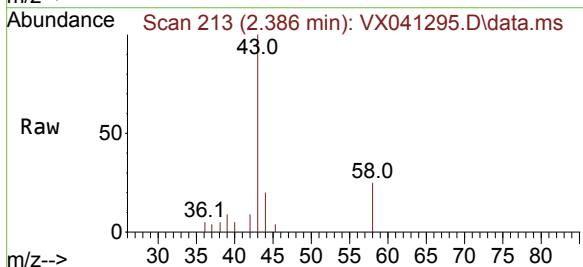
Acq: 30 Apr 2024 13:24

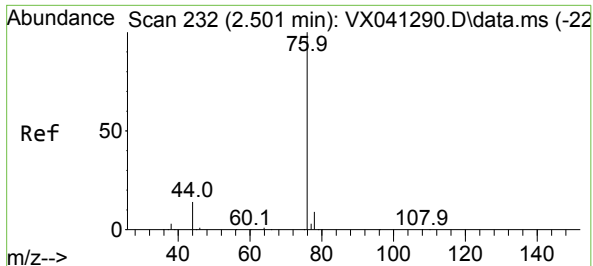
Tgt Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

58 24.9 21.9 32.9





#17

Carbon Disulfide

Concen: 0.348 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.001 min

Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

Instrument :

MSVOA\_X

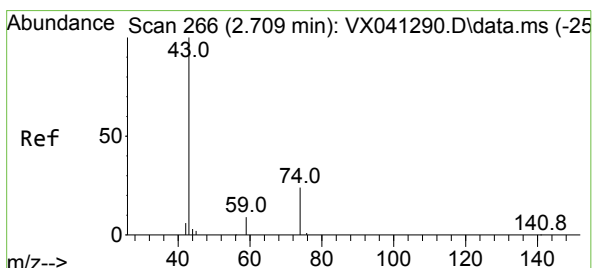
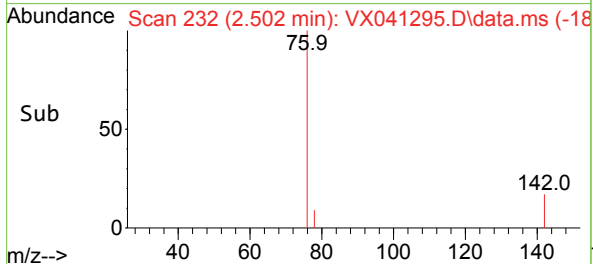
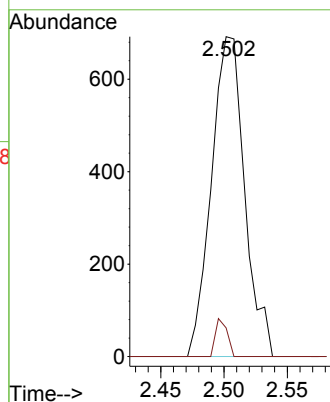
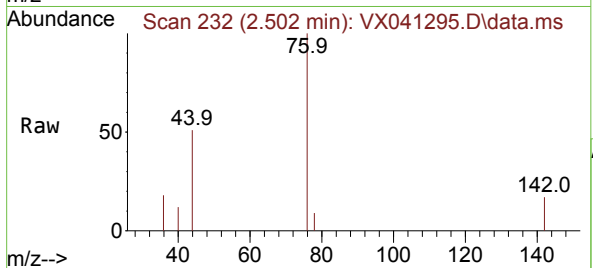
ClientSampleId :

Tgt Ion: 76 Resp: 1264

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



#18

Methyl Acetate

Concen: 0.232 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX041295.D

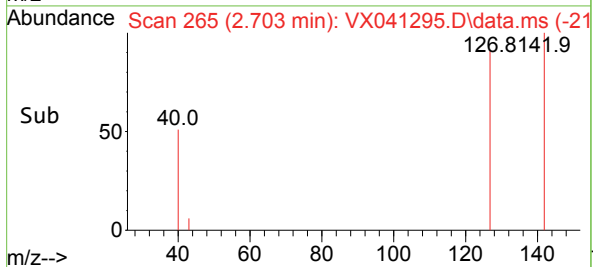
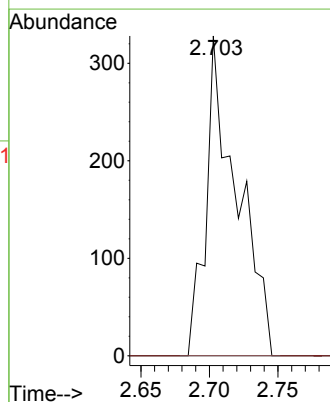
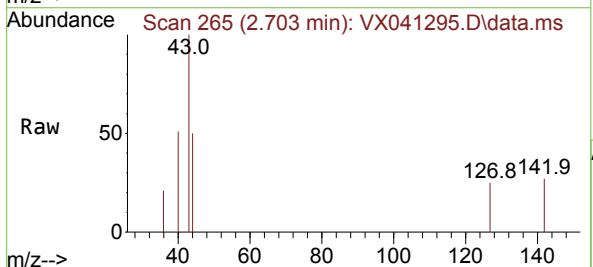
Acq: 30 Apr 2024 13:24

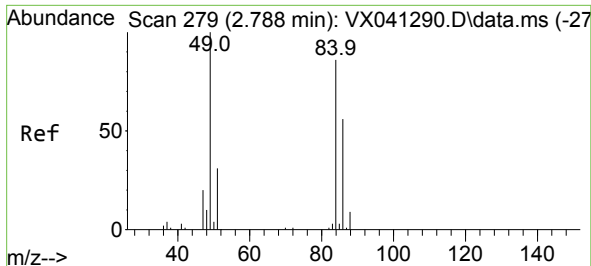
Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

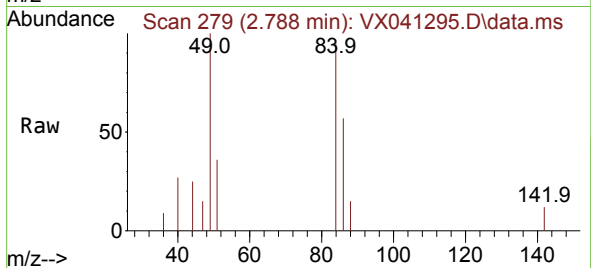
74 0.0 17.8 26.8#



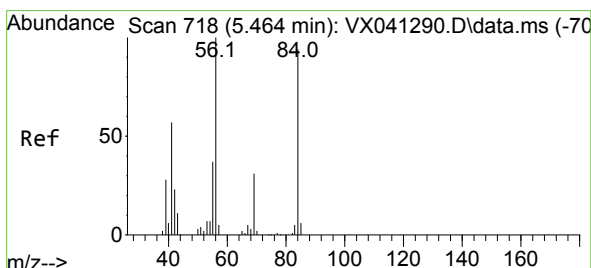
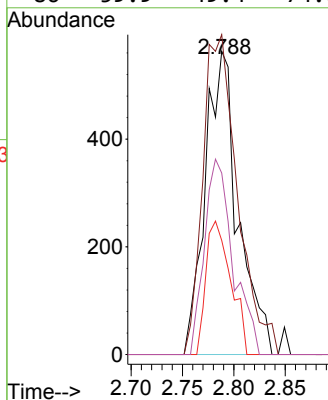
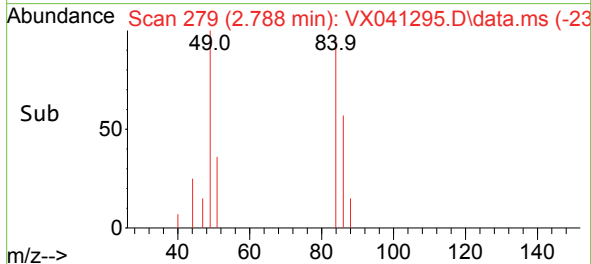


#20  
Methylene Chloride  
Concen: 0.662 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

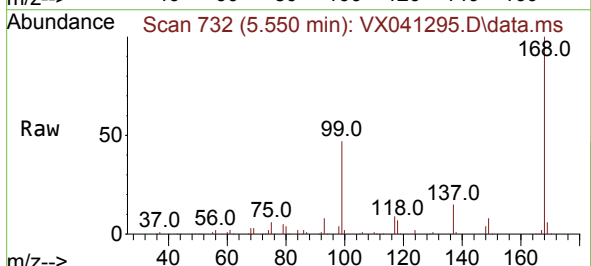
Instrument :  
MSVOA\_X  
ClientSampleId :



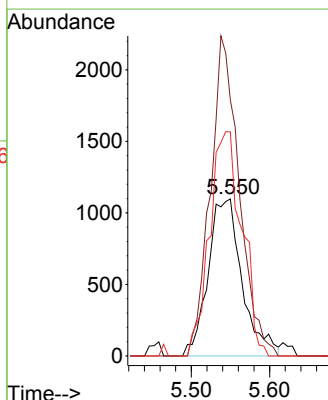
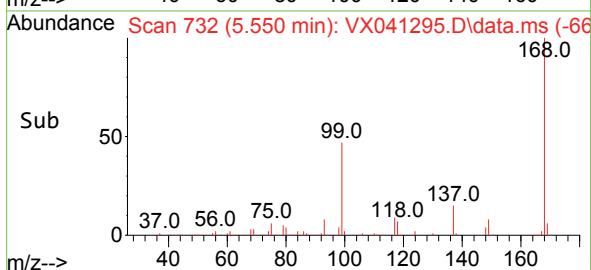
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 1247  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 105.5    | 103.6 155.4 |
| 51 37.7     | 33.8 50.6   |
| 86 59.9     | 49.4 74.0   |

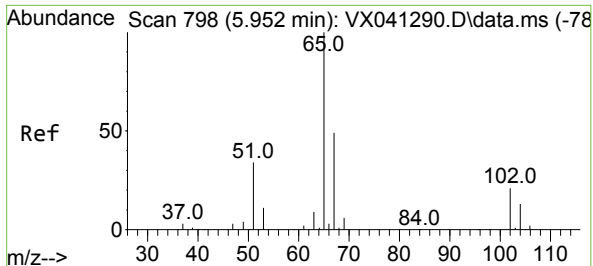


#31  
Cyclohexane  
Concen: 1.265 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.086 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24



|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 3311  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 163.1    | 23.4 35.2#  |
| 84 142.8    | 65.9 98.9#  |





#33

1,2-Dichloroethane-d4

Concen: 47.924 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

Instrument :

MSVOA\_X

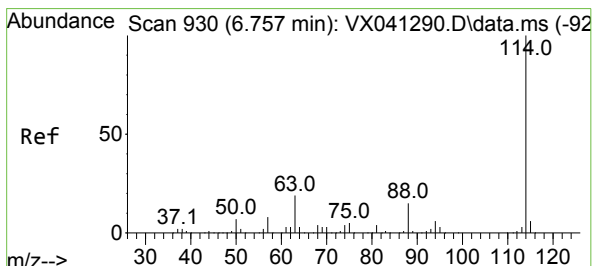
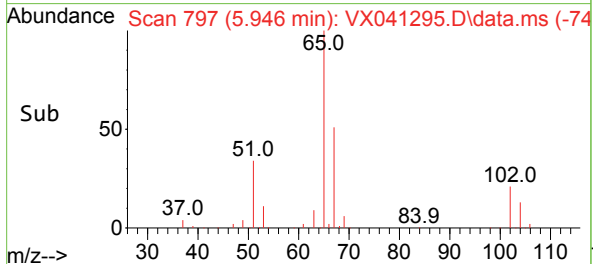
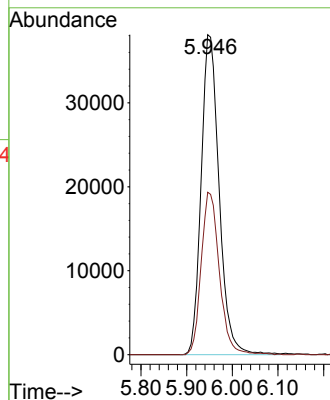
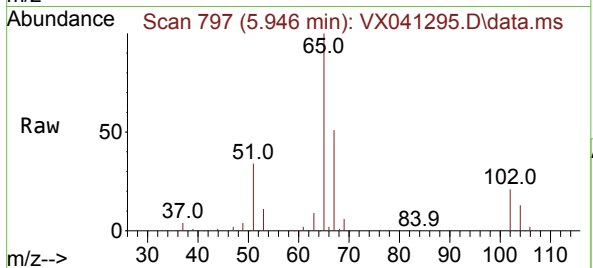
ClientSampleId :

Tgt Ion: 65 Resp: 103956

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

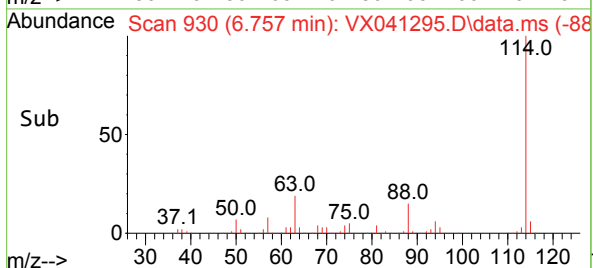
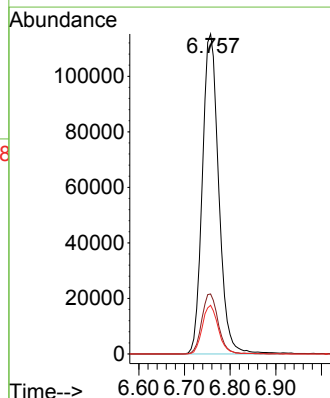
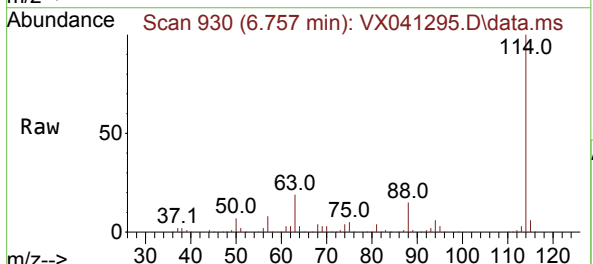
Tgt Ion: 114 Resp: 286230

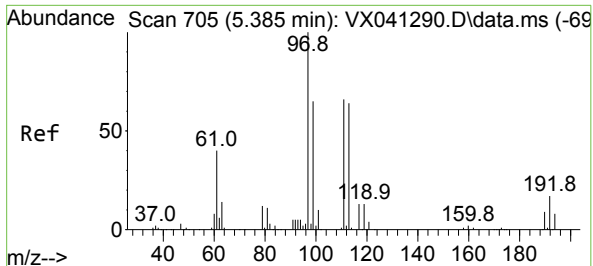
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

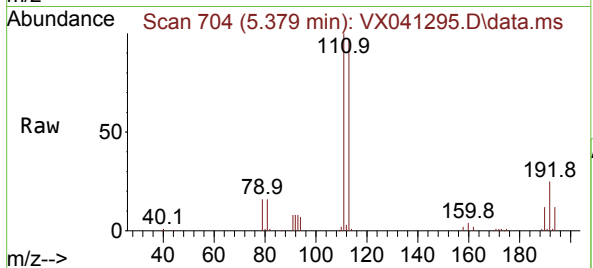
88 15.2 0.0 36.6



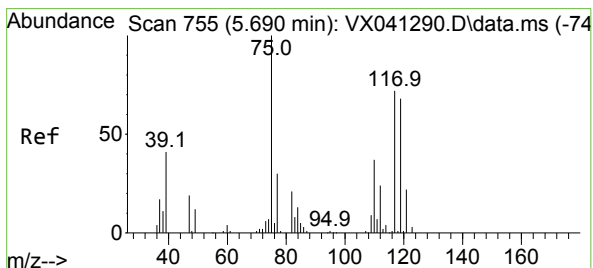
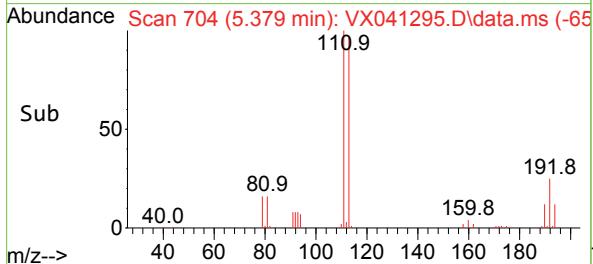
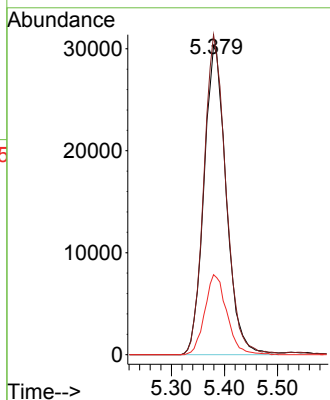


#35  
Dibromofluoromethane  
Concen: 45.647 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :

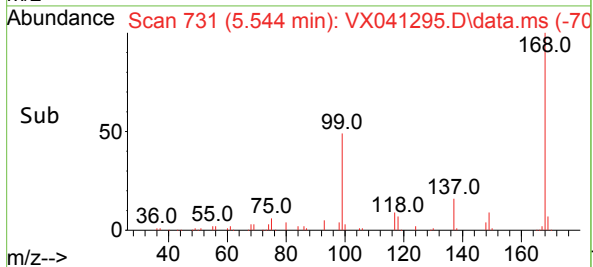
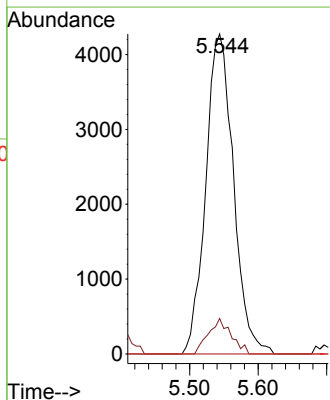
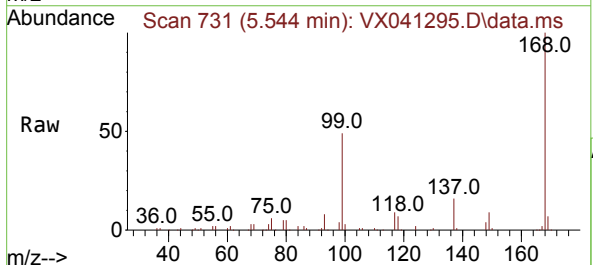


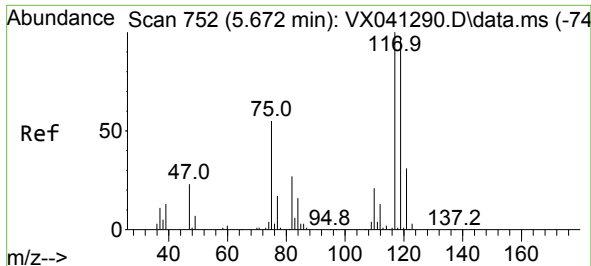
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 82.9  | 124.3 |
| 192     | 25.6  | 13.3  | 19.9  |



#36  
1,1-Dichloropropene  
Concen: 5.170 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

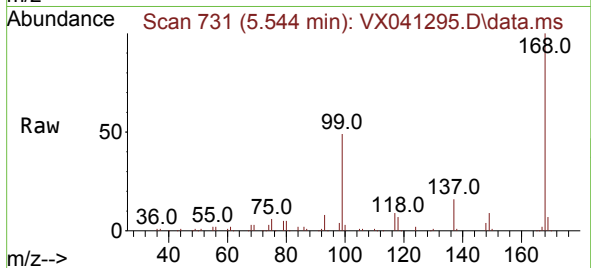
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.1   | 17.0  | 50.9  |
| 77      | 0.0   | 24.7  | 37.1  |



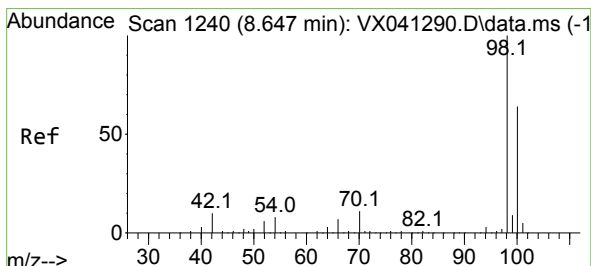
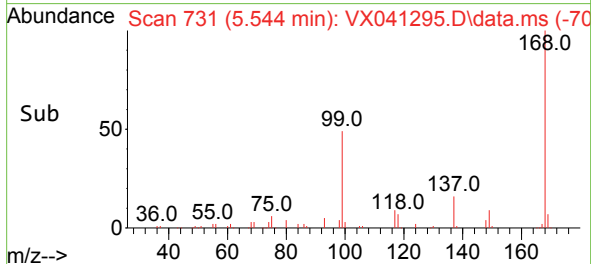
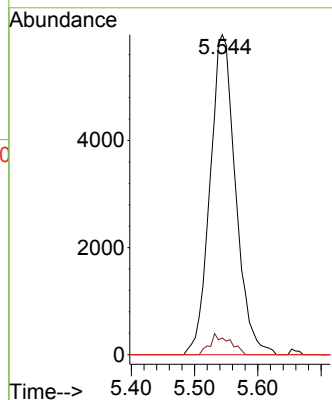


#38  
Carbon Tetrachloride  
Concen: 6.302 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :

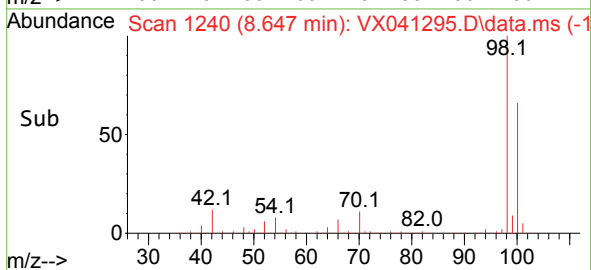
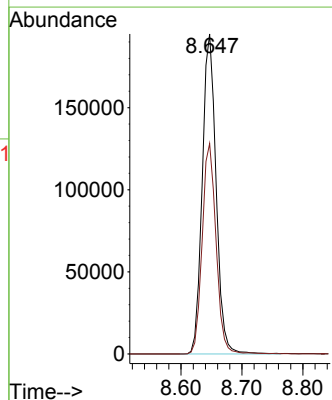
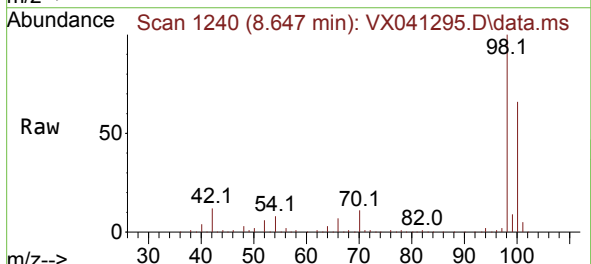


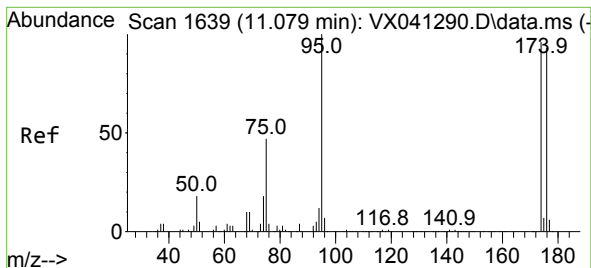
Tgt Ion:117 Resp: 16746  
Ion Ratio Lower Upper  
117 100  
119 5.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 50.058 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

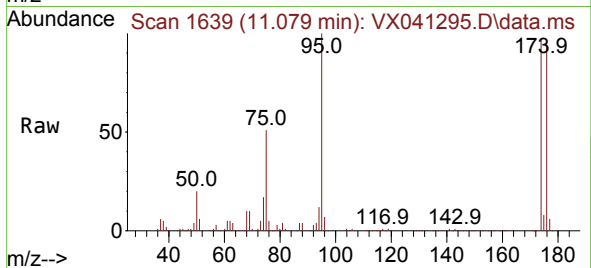
Tgt Ion: 98 Resp: 307324  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.1 79.7



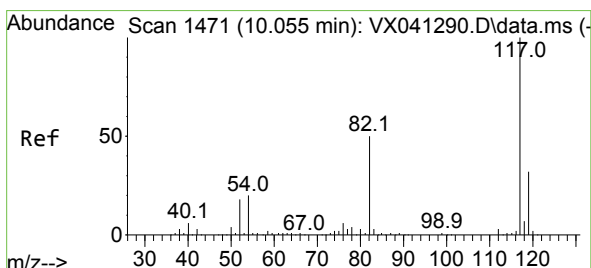
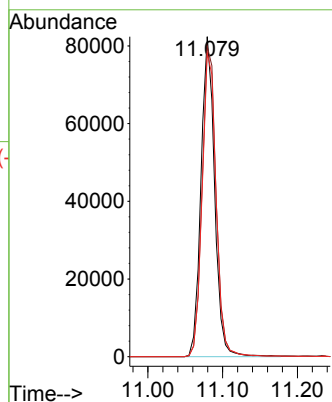
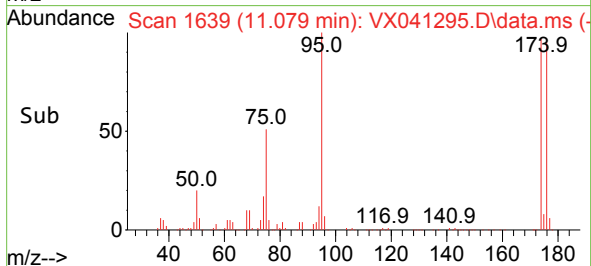


#62  
4-Bromofluorobenzene  
Concen: 43.801 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

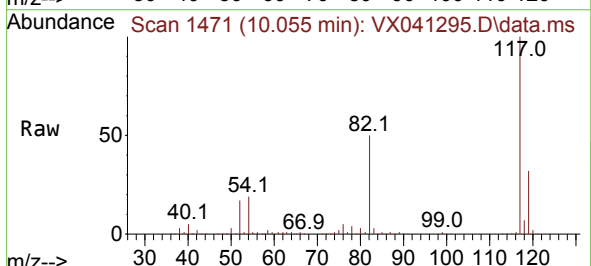
Instrument :  
MSVOA\_X  
ClientSampleId :



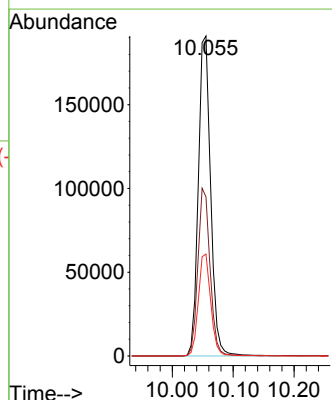
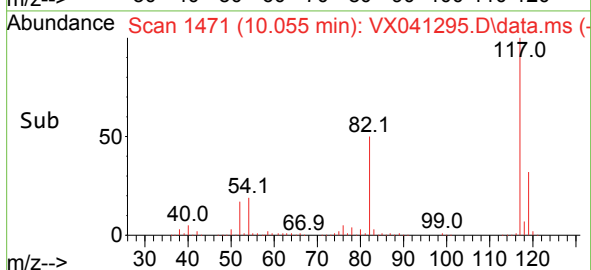
Tgt Ion: 95 Resp: 104097  
Ion Ratio Lower Upper  
95 100  
174 100.1 0.0 135.6  
176 98.1 0.0 131.0

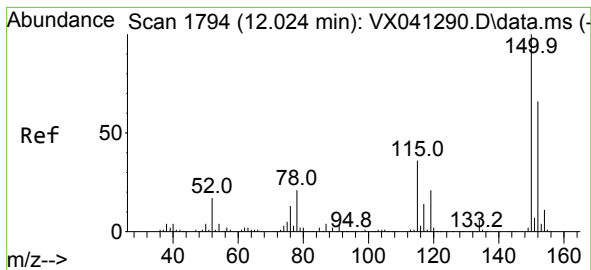


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24



Tgt Ion: 117 Resp: 267764  
Ion Ratio Lower Upper  
117 100  
82 49.7 46.2 69.4  
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

Instrument :

MSVOA\_X

ClientSampleId :

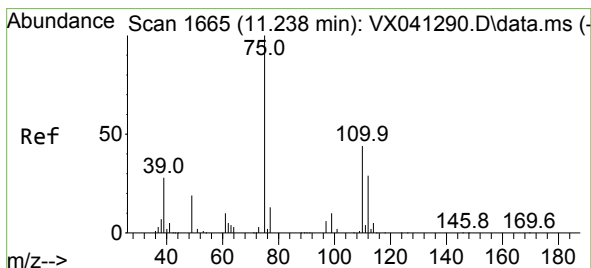
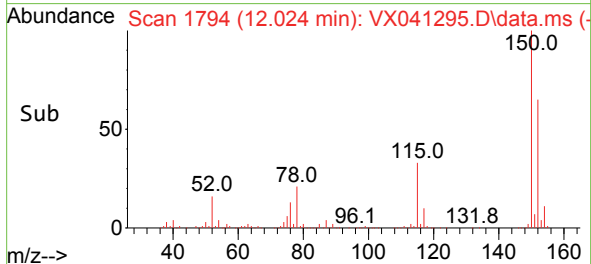
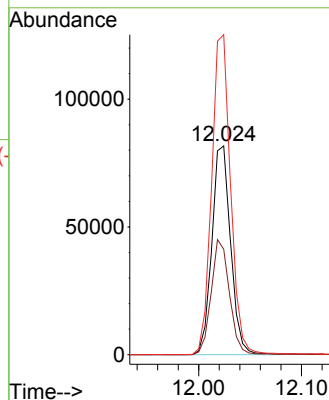
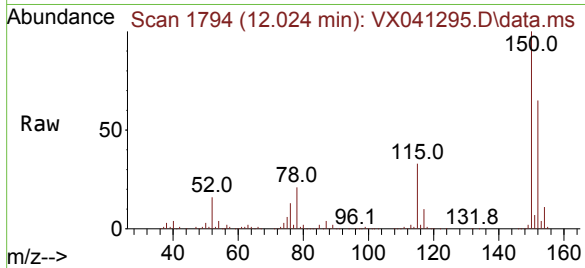
Tgt Ion:152 Resp: 104088

Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 154.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 31.187 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041295.D

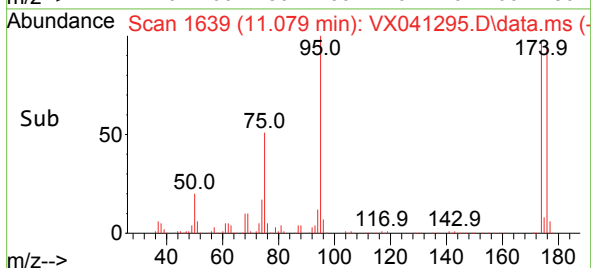
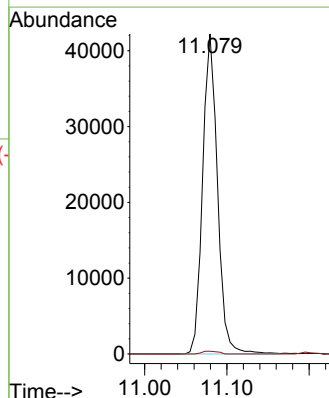
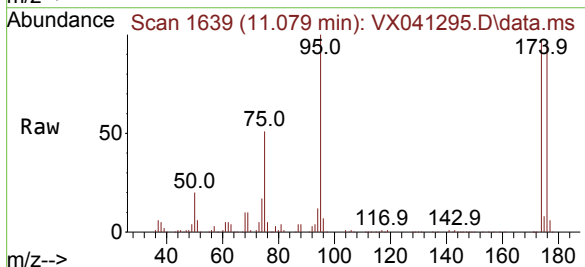
Acq: 30 Apr 2024 13:24

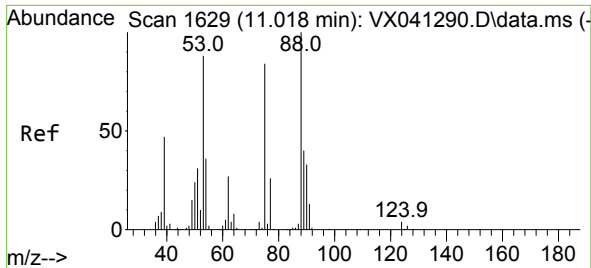
Tgt Ion: 75 Resp: 52902

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

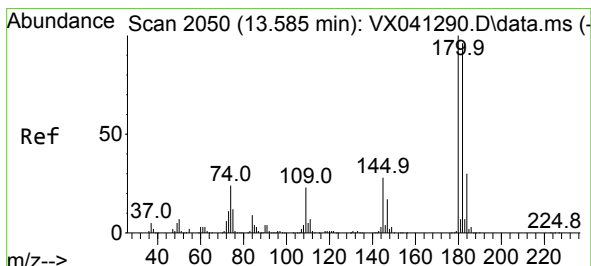
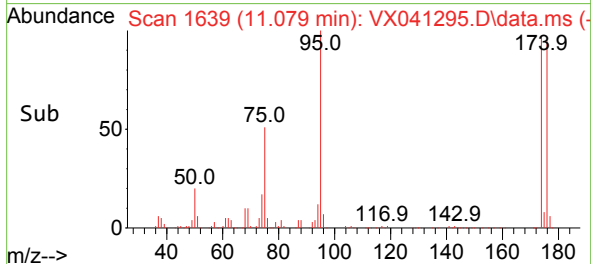
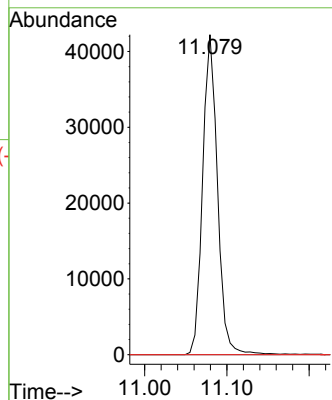
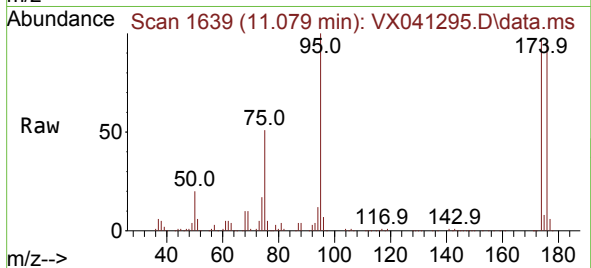




#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.948 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

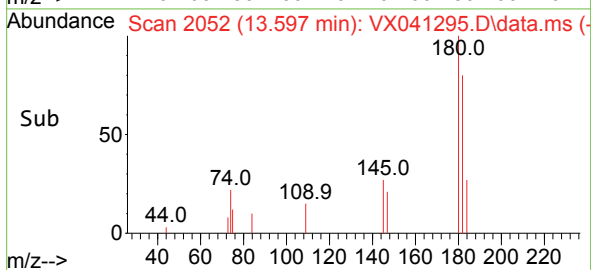
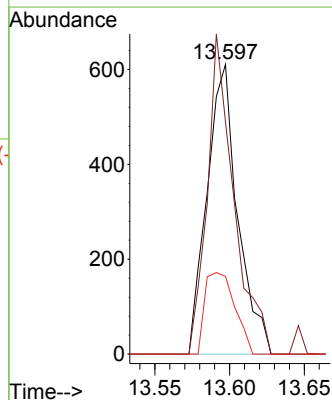
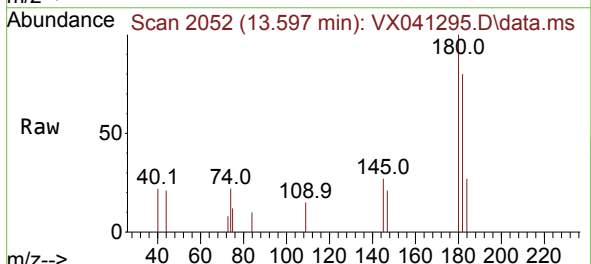
Instrument :  
MSVOA\_X  
ClientSampleId :

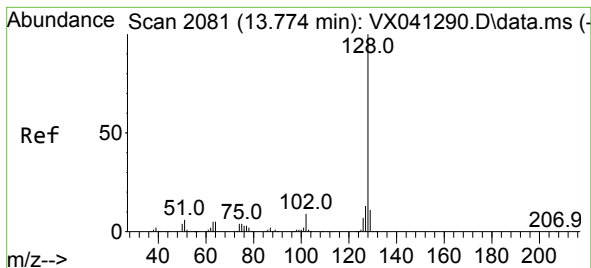
Tgt Ion: 75 Resp: 52902  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.362 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.012 min  
Lab File: VX041295.D  
Acq: 30 Apr 2024 13:24

Tgt Ion:180 Resp: 870  
Ion Ratio Lower Upper  
180 100  
182 96.1 48.3 144.8  
145 27.5 18.0 54.0





#95

Naphthalene

Concen: 0.440 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

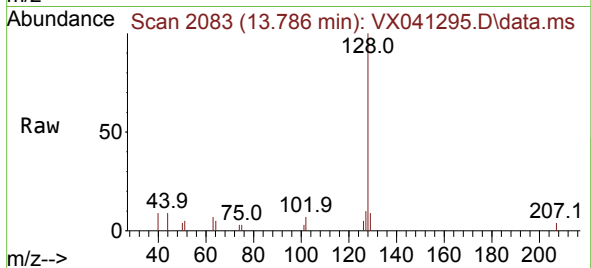
Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

Instrument :

MSVOA\_X

ClientSampleId :



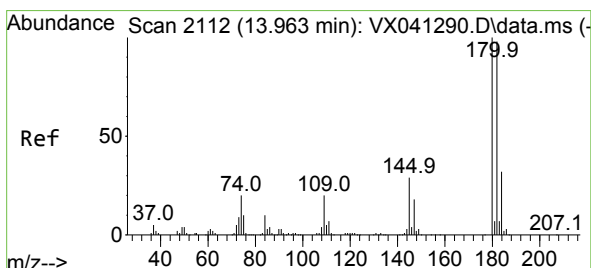
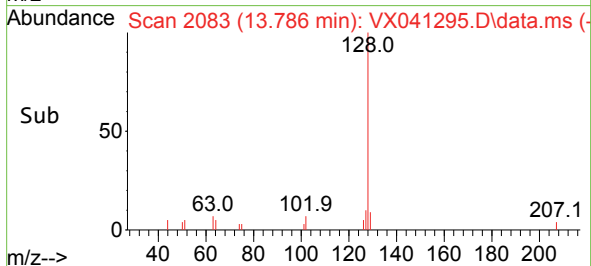
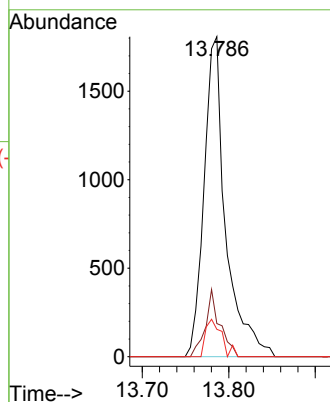
Tgt Ion:128 Resp: 3136

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 8.7 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.443 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041295.D

Acq: 30 Apr 2024 13:24

Tgt Ion:180 Resp: 1089

Ion Ratio Lower Upper

180 100

182 85.6 46.9 140.6

145 20.5 17.8 53.5

