

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060822\  
 Data File : VX029318.D  
 Acq On : 08 Jun 2022 14:04  
 Operator : JC/MD  
 Sample : N3223-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M-15328

Quant Time: Jun 08 16:26:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 08 03:00:38 2022  
 Response via : Initial Calibration

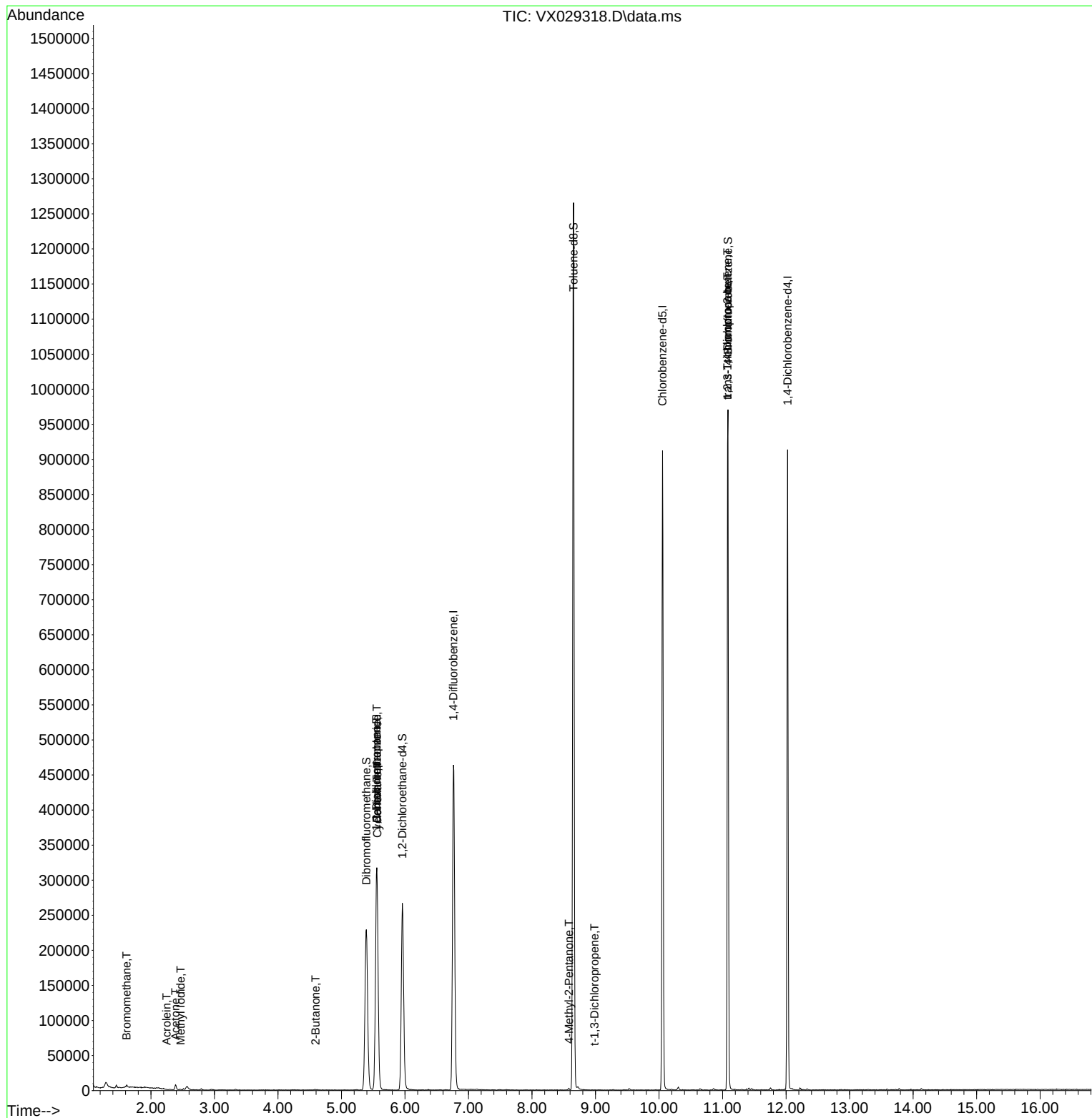
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 290794   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 491516   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 423908   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 181567   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 253601   | 57.556    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | = 115.120% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 208519   | 49.902    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | = 99.800%  |          |
| 50) Toluene-d8                | 8.653  | 98    | 750986   | 50.816    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | = 101.640% |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 284445   | 49.183    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | = 98.360%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 1.617  | 94    | 691      | 0.252     | ug/l       | # 61     |
| 6) Chloroethane               | 1.715  | 64    | 307      | Below Cal | #          | 49       |
| 10) Methyl Iodide             | 2.465  | 142   | 1172     | 1.441     | ug/l       | # 87     |
| 11) Tert butyl alcohol        | 2.946  | 59    | 624      | Below Cal | #          | 72       |
| 13) Acrolein                  | 2.245  | 56    | 135      | 0.251     | ug/l       | # 83     |
| 16) Acetone                   | 2.386  | 43    | 7888     | 3.353     | ug/l       | 94       |
| 25) 2-Butanone                | 4.593  | 43    | 1875     | 0.504     | ug/l       | # 88     |
| 31) Cyclohexane               | 5.562  | 56    | 5761     | 0.731     | ug/l       | # 3      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 24026    | 3.481     | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 31358    | 4.445     | ug/l       | # 16     |
| 41) Methacrylonitrile         | 5.025  | 41    | 24       | Below Cal | #          | 18       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43    | 1513     | 0.216     | ug/l       | # 82     |
| 53) t-1,3-Dichloropropene     | 8.982  | 75    | 19       | 1.319     | ug/l       | # 43     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 140254   | 33.072    | ug/l       | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 140254   | 100.522   | ug/l       | # 15     |
| -----                         |        |       |          |           |            |          |

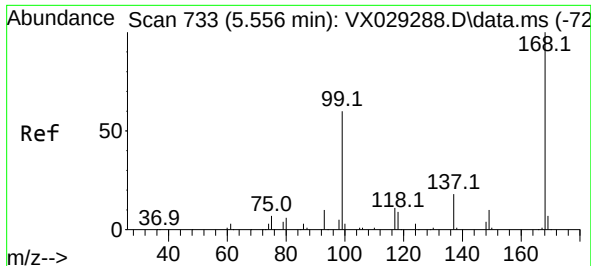
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060822\  
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Sample : N3223-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 08 03:00:38 2022  
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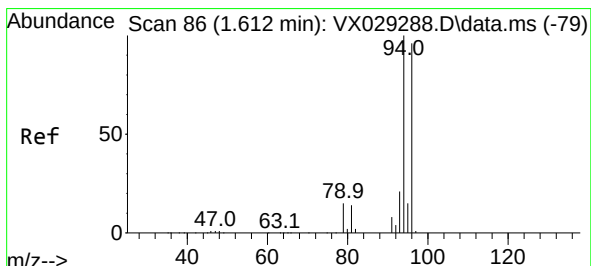
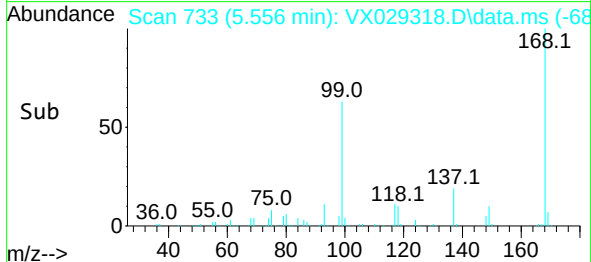
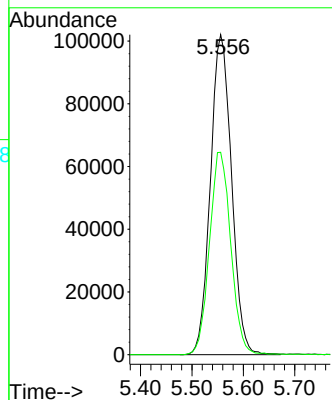
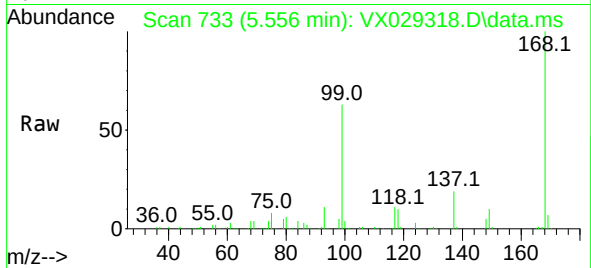




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

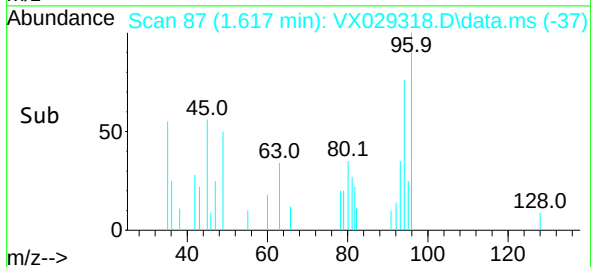
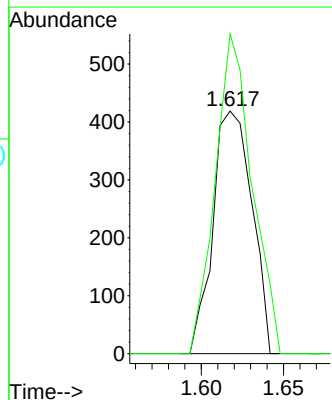
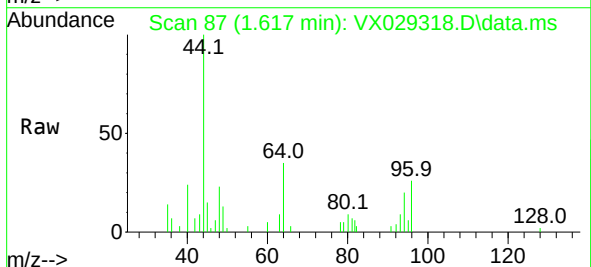
Instrument :  
MSVOA\_X  
ClientSampleId :  
M-15328

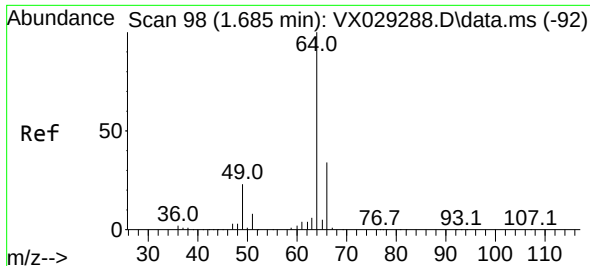
Tgt Ion:168 Resp: 290794  
Ion Ratio Lower Upper  
168 100  
99 63.2 41.7 62.5#



#5  
Bromomethane  
Concen: 0.252 ug/l  
RT: 1.617 min Scan# 87  
Delta R.T. 0.005 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion: 94 Resp: 691  
Ion Ratio Lower Upper  
94 100  
96 131.7 75.3 112.9#

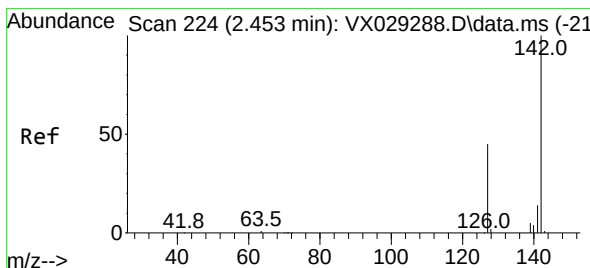
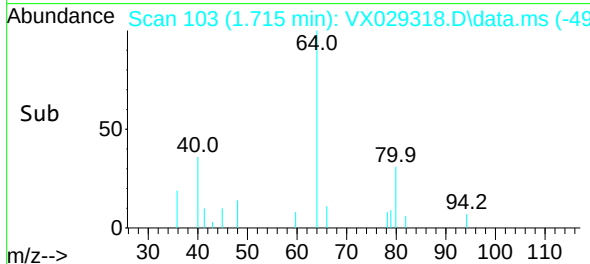
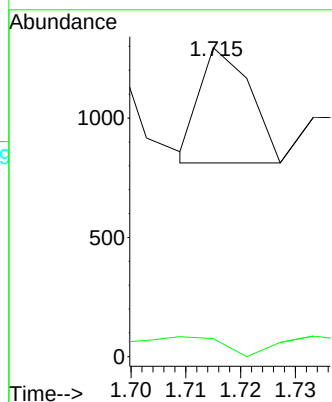
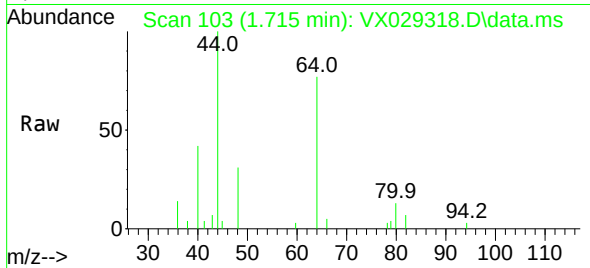




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.715 min Scan# 103  
Delta R.T. 0.030 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

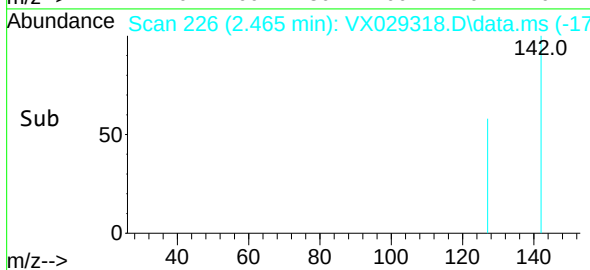
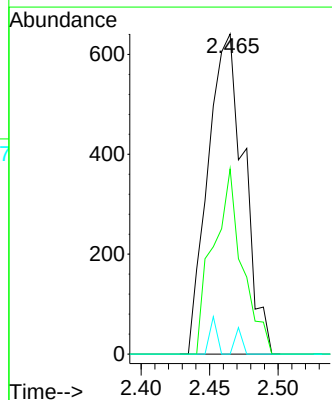
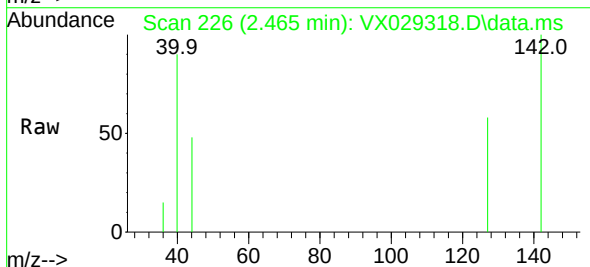
Instrument :  
MSVOA\_X  
ClientSampleId :  
M-15328

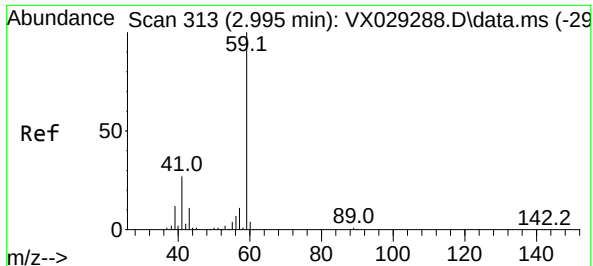
Tgt Ion: 64 Resp: 307  
Ion Ratio Lower Upper  
64 100  
66 3.3 25.3 37.9#



#10  
Methyl Iodide  
Concen: 1.441 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion: 142 Resp: 1172  
Ion Ratio Lower Upper  
142 100  
127 46.9 33.9 50.9  
141 1.6 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX029318.D

Acq: 08 Jun 2022 14:04

Instrument :

MSVOA\_X

ClientSampleId :

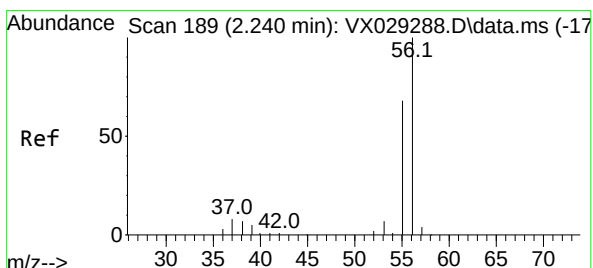
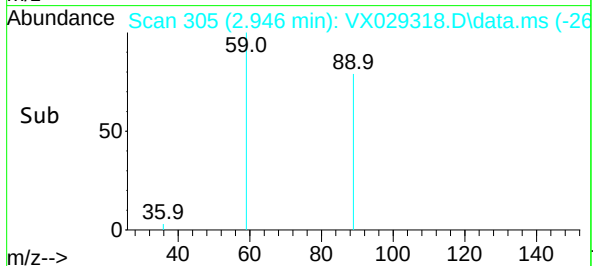
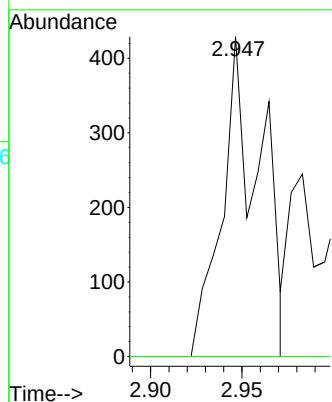
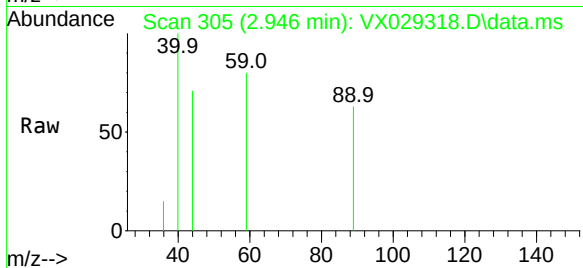
M-15328

Tgt Ion: 59 Resp: 624

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.251 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX029318.D

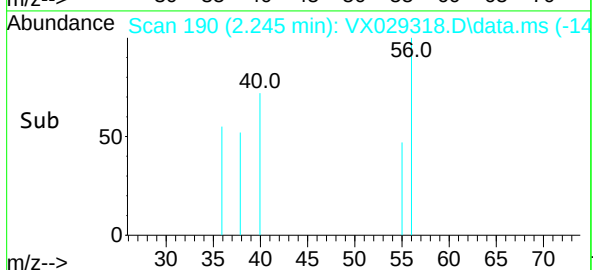
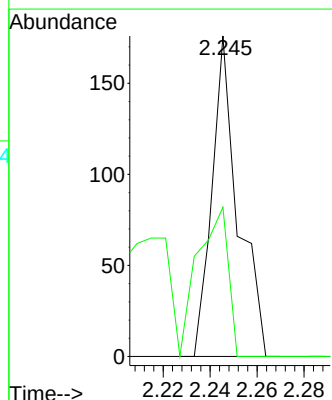
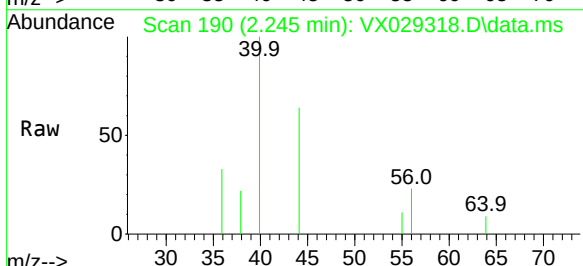
Acq: 08 Jun 2022 14:04

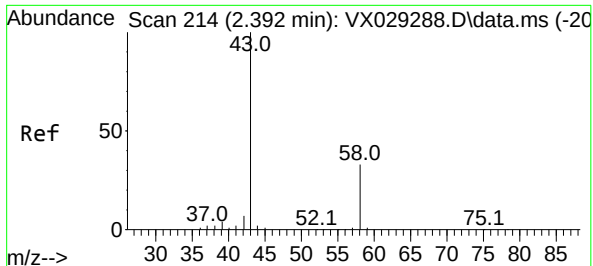
Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 54.8 55.0 82.6#

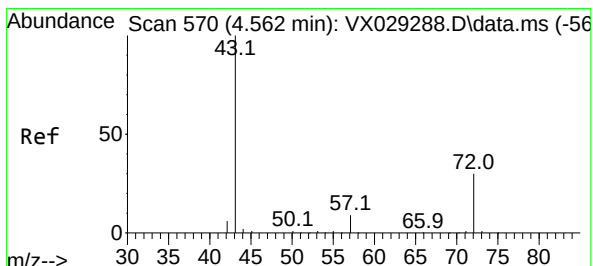
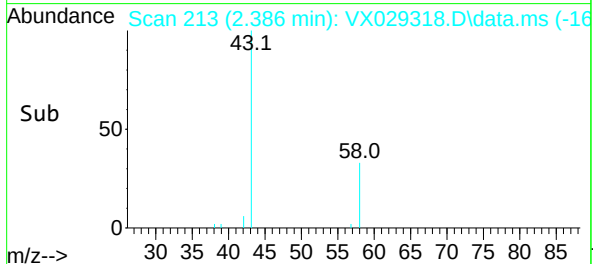
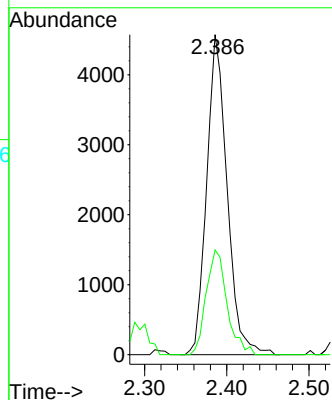
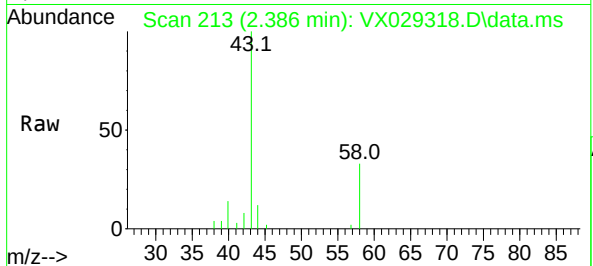




#16  
Acetone  
Concen: 3.353 ug/l  
RT: 2.386 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

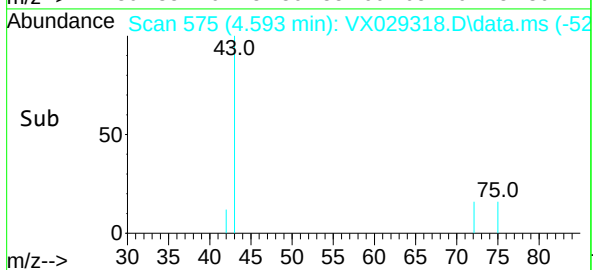
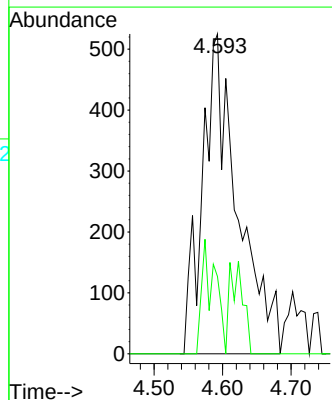
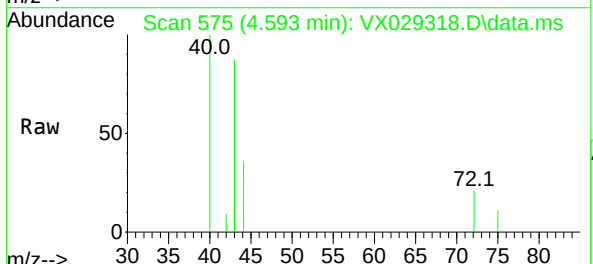
Instrument :  
MSVOA\_X  
ClientSampleId :  
M-15328

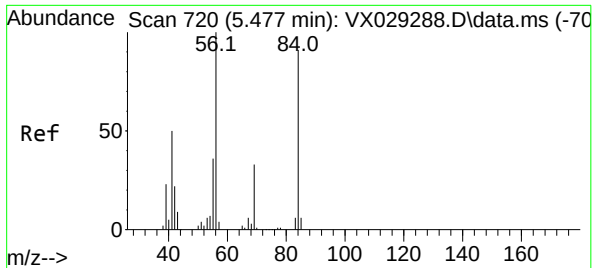
Tgt Ion: 43 Resp: 7888  
Ion Ratio Lower Upper  
43 100  
58 32.7 28.8 43.2



#25  
2-Butanone  
Concen: 0.504 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.030 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

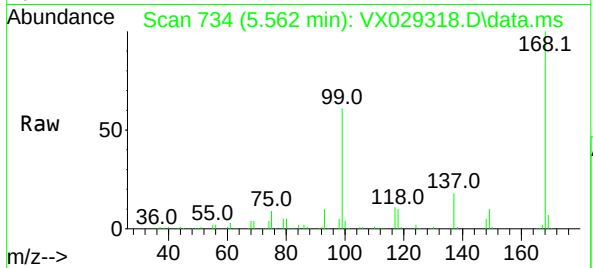
Tgt Ion: 43 Resp: 1875  
Ion Ratio Lower Upper  
43 100  
72 24.2 24.4 36.6#



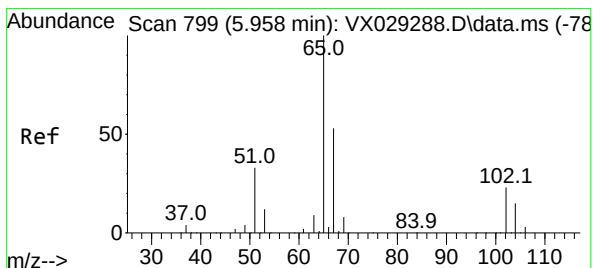
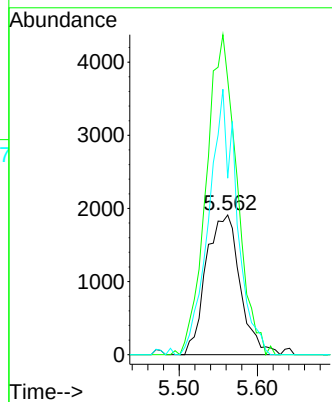
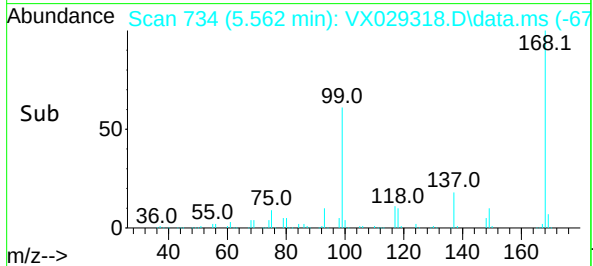


#31  
Cyclohexane  
Concen: 0.731 ug/l  
RT: 5.562 min Scan# 718  
Delta R.T. 0.085 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Instrument :  
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ClientSampleId :  
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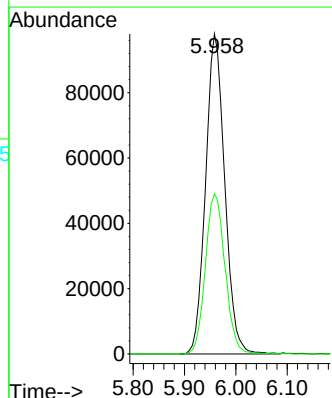
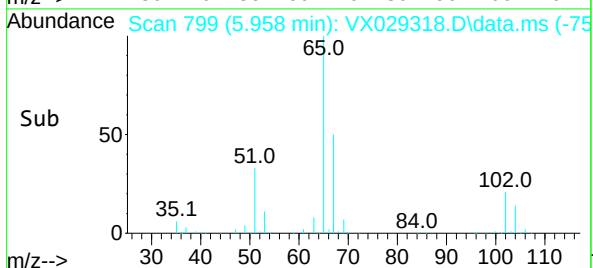
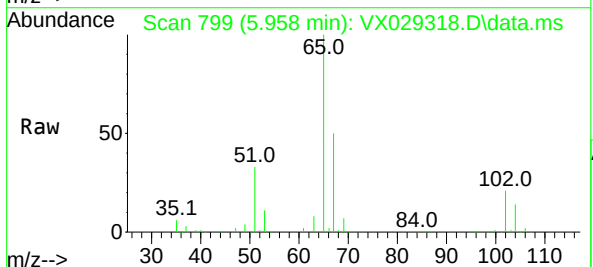


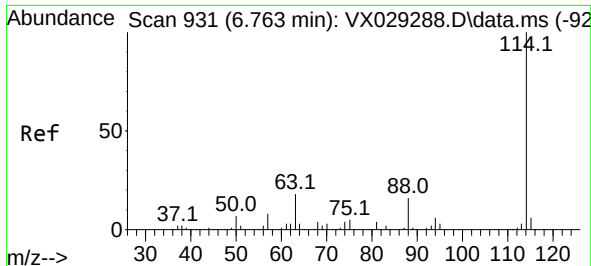
Tgt Ion: 56 Resp: 5761  
Ion Ratio Lower Upper  
56 100  
69 196.9 26.7 40.1#  
84 126.3 77.2 115.8#



#33  
1,2-Dichloroethane-d4  
Concen: 57.556 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion: 65 Resp: 253601  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 107.4

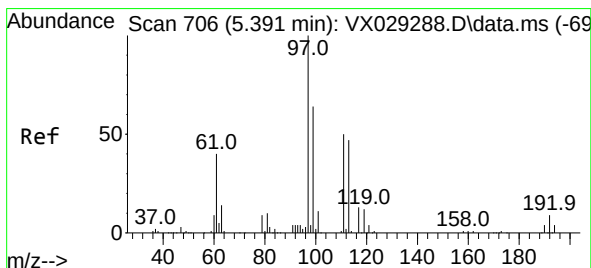
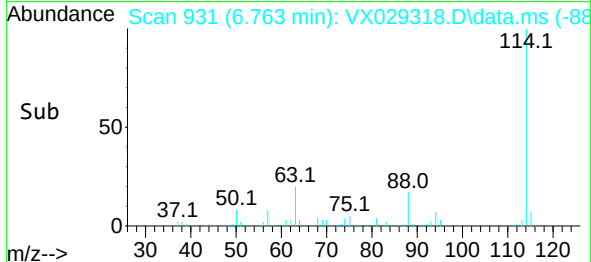
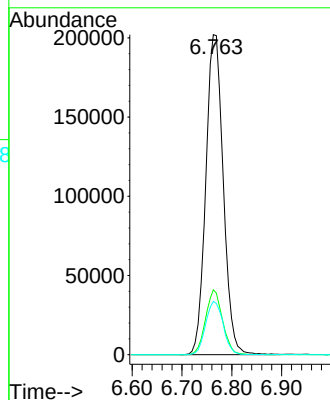
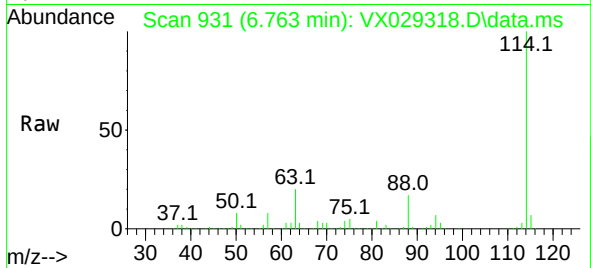




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

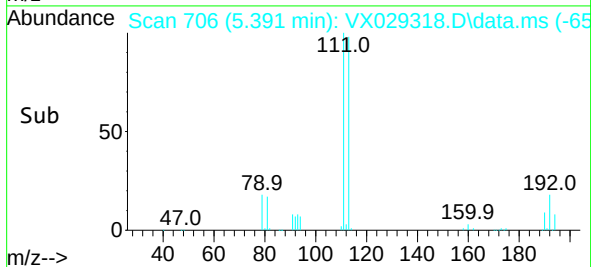
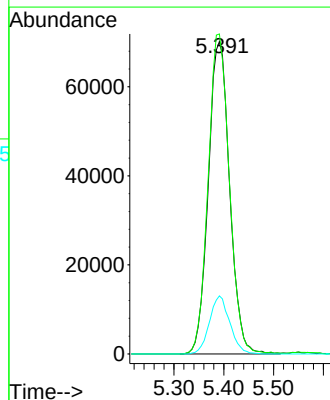
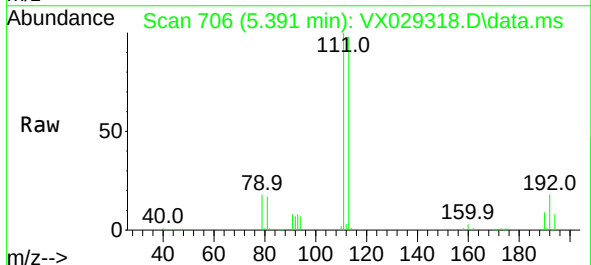
Instrument :  
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Tgt Ion:114 Resp: 491516  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 36.8  
88 16.7 0.0 32.4

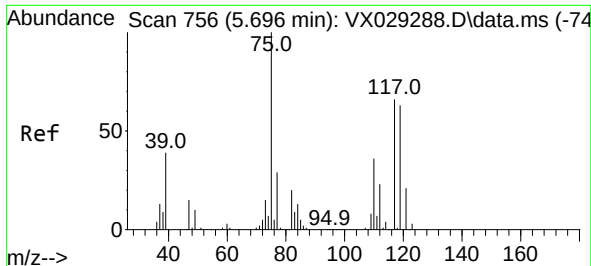


#35  
Dibromofluoromethane  
Concen: 49.902 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion:113 Resp: 208519  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.8 124.2  
192 17.7 16.9 25.3



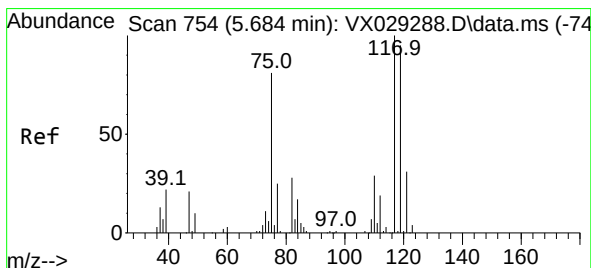
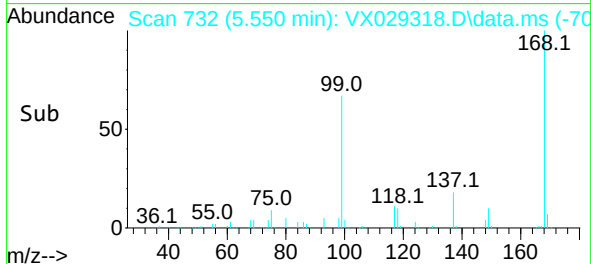
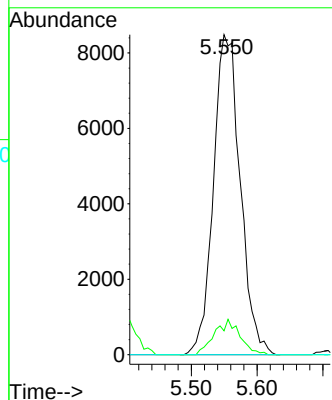
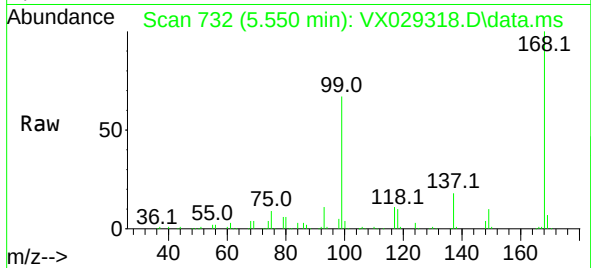




#36  
1,1-Dichloropropene  
Concen: 3.481 ug/l  
RT: 5.550 min Scan# 711  
Delta R.T. -0.147 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

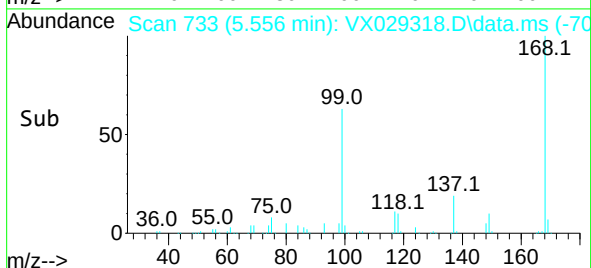
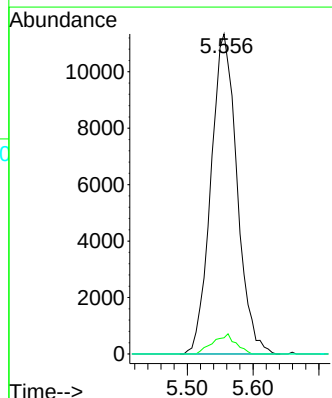
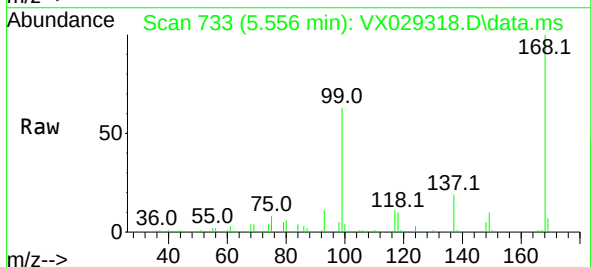
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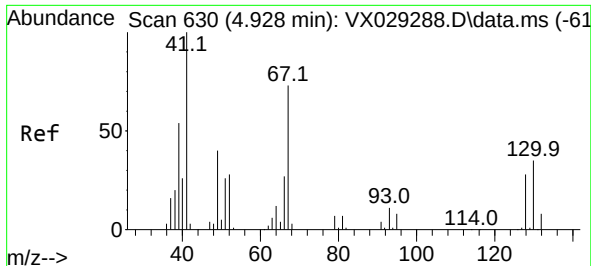
Tgt Ion: 75 Resp: 24026  
Ion Ratio Lower Upper  
75 100  
110 10.5 18.3 54.8#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 4.445 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion: 117 Resp: 31358  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.3 115.9#  
121 0.0 24.2 36.2#

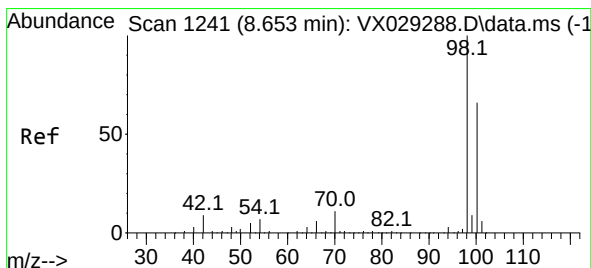
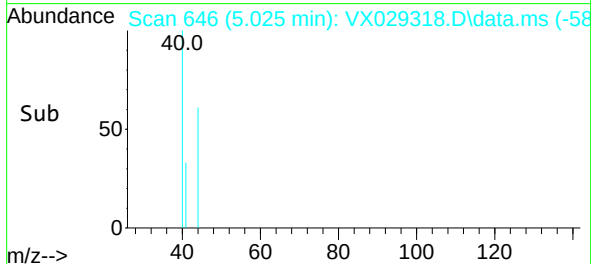
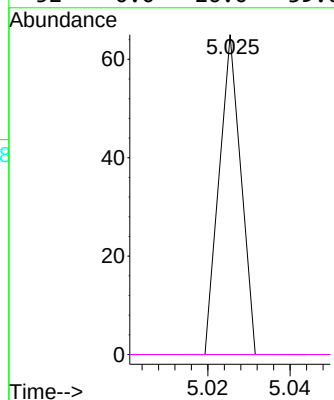
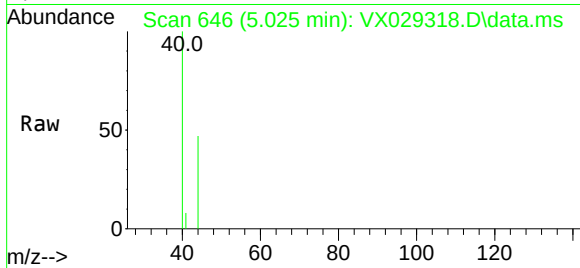




#41  
Methacrylonitrile  
Concen: Below Cal  
RT: 5.025 min Scan# 646  
Delta R.T. 0.097 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

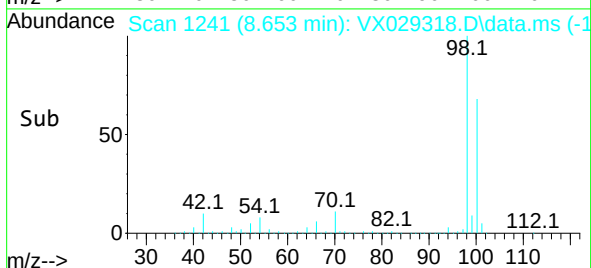
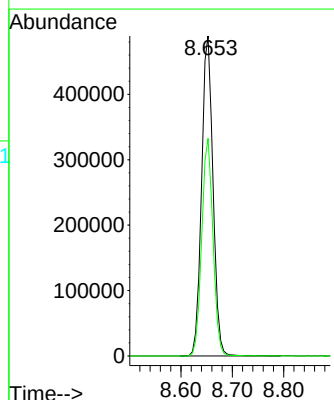
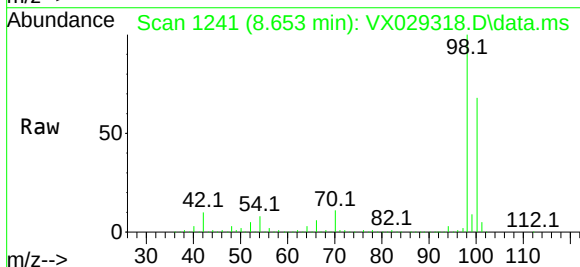
Instrument :  
MSVOA\_X  
ClientSampleId :  
M-15328

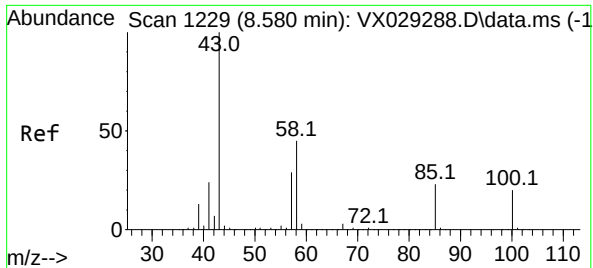
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 24    |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 0.0      | 43.0 64.4#  |
| 67 0.0      | 70.2 105.4# |
| 52 0.0      | 26.0 39.0#  |



#50  
Toluene-d8  
Concen: 50.816 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 750986 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 67.1    | 52.6 78.8    |

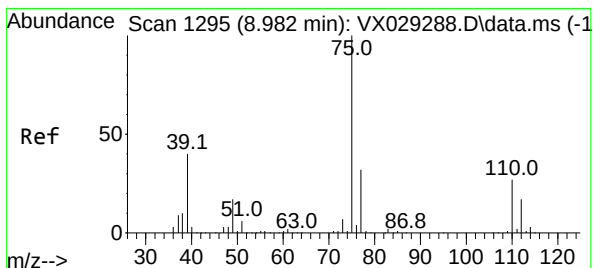
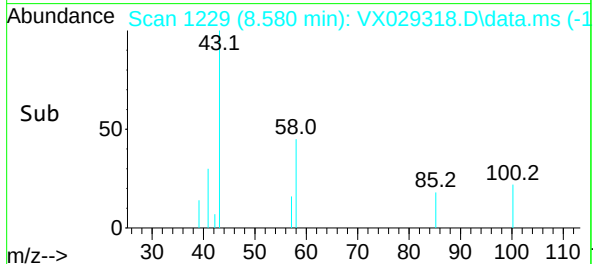
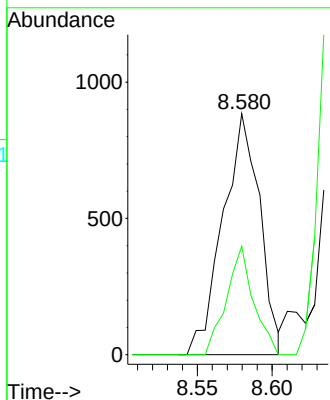
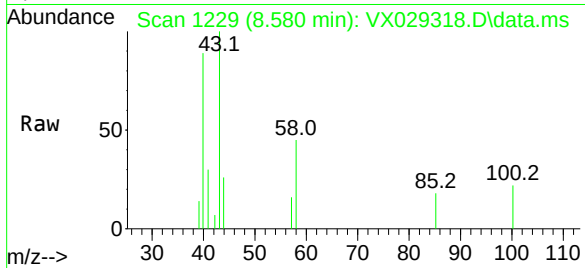




#51  
4-Methyl-2-Pentanone  
Concen: 0.216 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

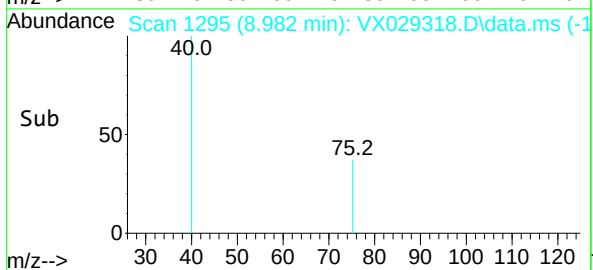
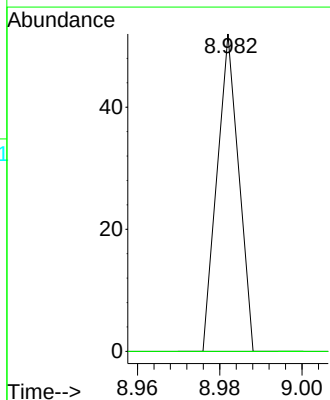
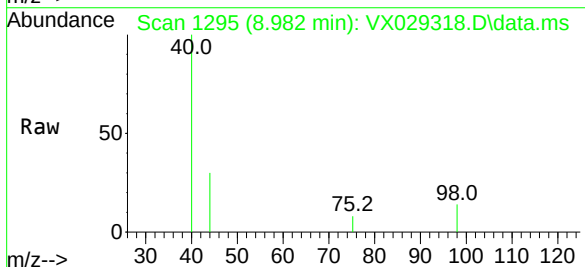
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MSVOA\_X  
ClientSampleId :  
M-15328

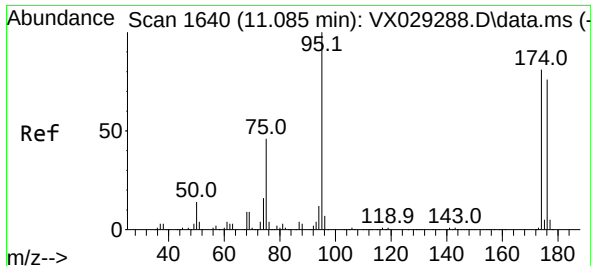
Tgt Ion: 43 Resp: 1513  
Ion Ratio Lower Upper  
43 100  
58 33.1 36.1 54.1#



#53  
t-1,3-Dichloropropene  
Concen: 1.319 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion: 75 Resp: 19  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.0#

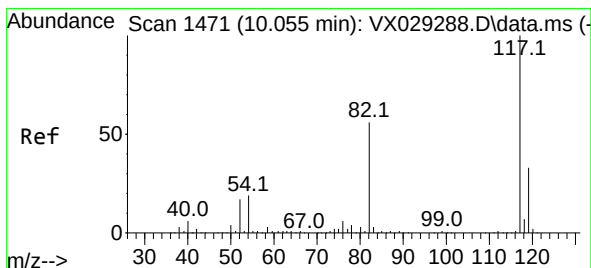
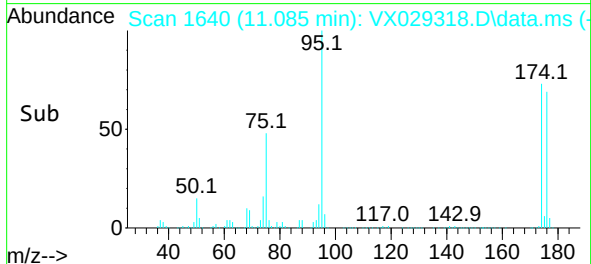
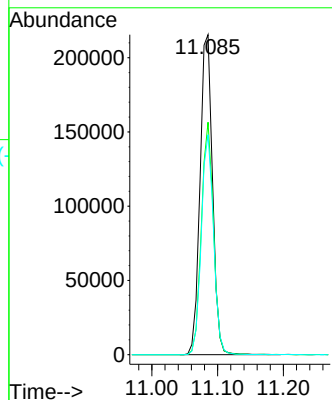
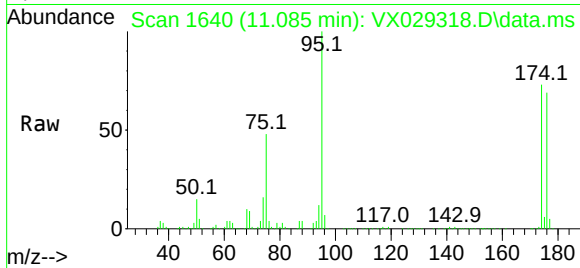




#62  
4-Bromofluorobenzene  
Concen: 49.183 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

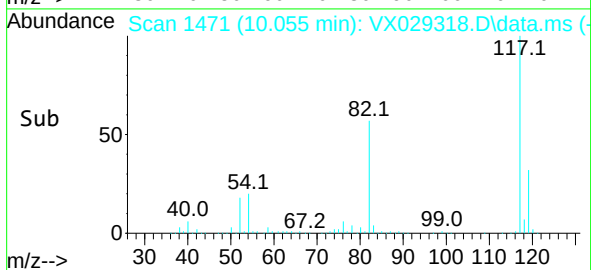
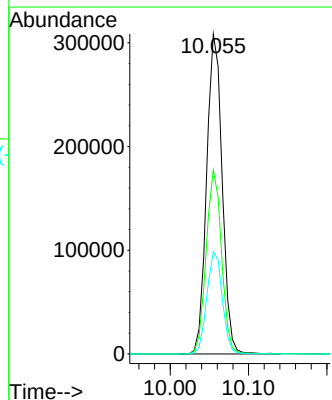
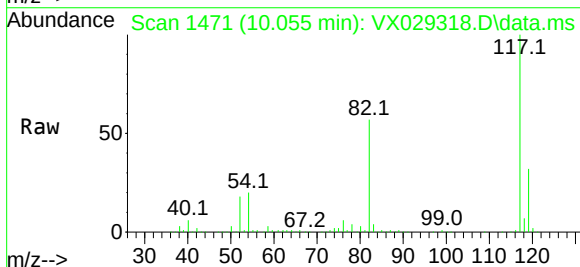
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MSVOA\_X  
ClientSampleId :  
M-15328

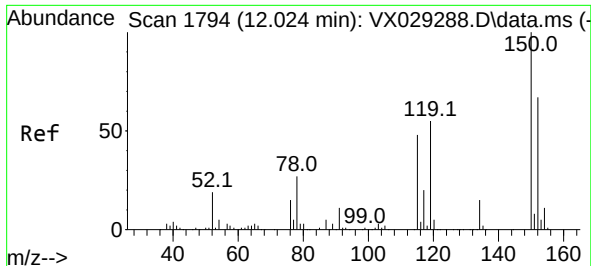
Tgt Ion: 95 Resp: 284445  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 163.0  
176 67.4 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX029318.D  
Acq: 08 Jun 2022 14:04

Tgt Ion: 117 Resp: 423908  
Ion Ratio Lower Upper  
117 100  
82 57.5 41.8 62.8  
119 32.0 24.8 37.2

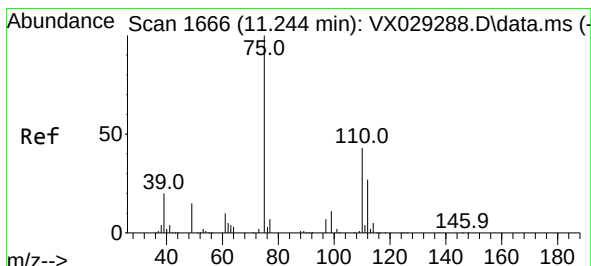
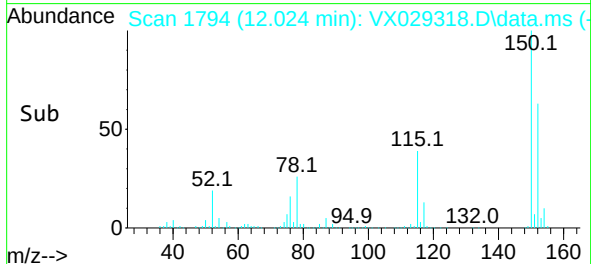
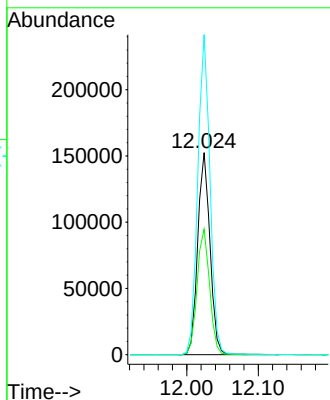
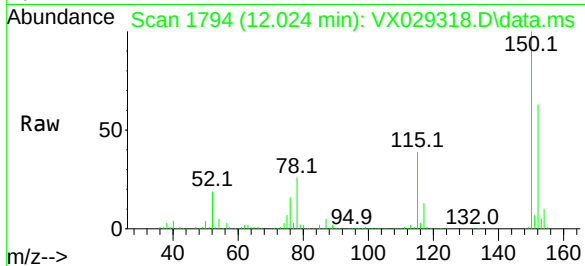




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX029318.D  
 Acq: 08 Jun 2022 14:04

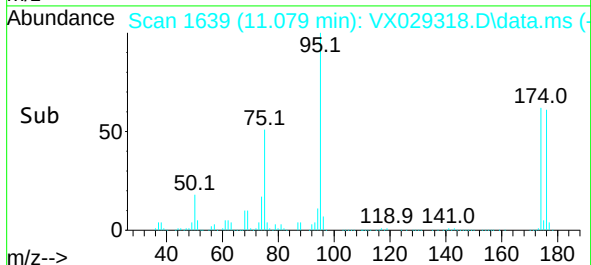
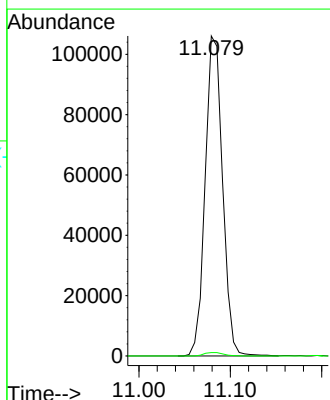
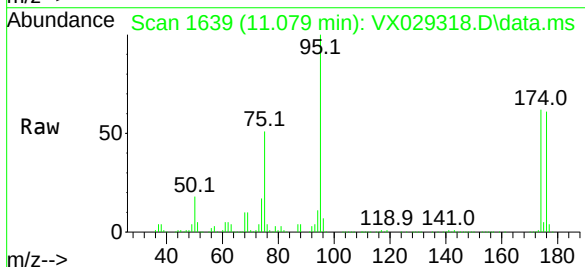
Instrument :  
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 ClientSampleId :  
 M-15328

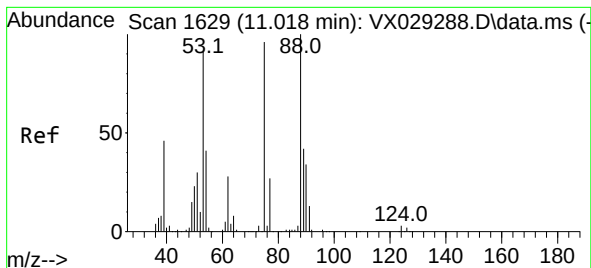
Tgt Ion:152 Resp: 181567  
 Ion Ratio Lower Upper  
 152 100  
 115 63.1 37.5 112.7  
 150 157.7 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 33.072 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX029318.D  
 Acq: 08 Jun 2022 14:04

Tgt Ion: 75 Resp: 140254  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.522 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX029318.D  
 Acq: 08 Jun 2022 14:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M-15328

Tgt Ion: 75 Resp: 140254  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

