

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091422\  
 Data File : VX031325.D  
 Acq On : 14 Sep 2022 22:59  
 Operator : JC/MD  
 Sample : N4446-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 15 06:07:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

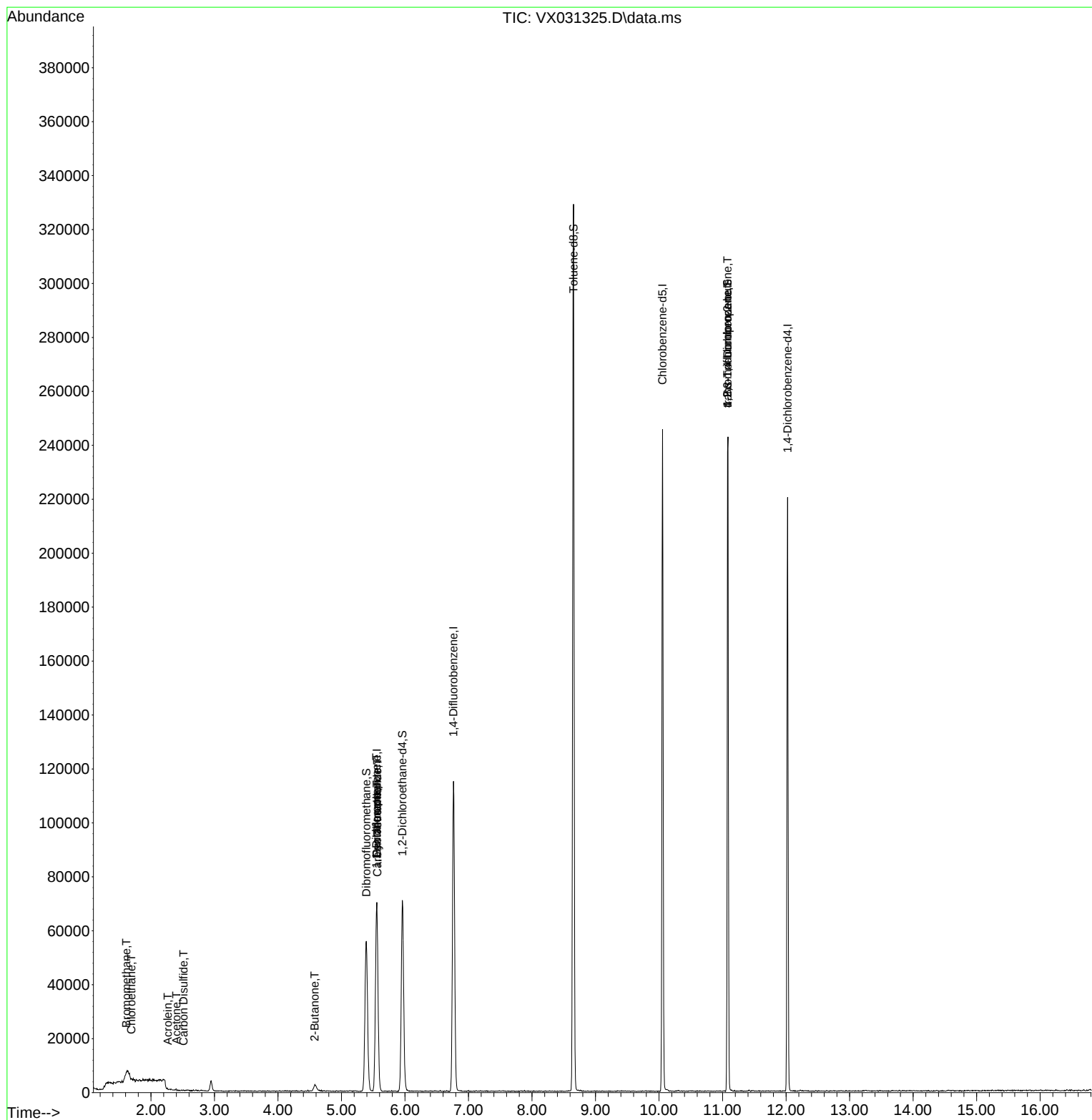
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 61569    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 109728   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 98678    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 40152    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 65397    | 43.274    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 86.540%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 46777    | 39.658    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 79.320%  |
| 50) Toluene-d8                | 8.653  | 98    | 183591   | 41.495    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 82.980%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 59543    | 36.750    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 73.500%# |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 99       | Below Cal | #      | 72       |
| 5) Bromomethane               | 1.611  | 94    | 240      | 0.298     | ug/l # | 21       |
| 6) Chloroethane               | 1.691  | 64    | 264      | 0.331     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 2278     | Below Cal | #      | 73       |
| 13) Acrolein                  | 2.264  | 56    | 36       | 0.206     | ug/l # | 1        |
| 16) Acetone                   | 2.398  | 43    | 786      | 1.218     | ug/l   | 98       |
| 17) Carbon Disulfide          | 2.514  | 76    | 52       | 0.904     | ug/l # | 75       |
| 20) Methylene Chloride        | 2.806  | 84    | 153      | Below Cal | #      | 33       |
| 21) trans-1,2-Dichloroethene  | 3.081  | 96    | 47       | Below Cal | #      | 1        |
| 25) 2-Butanone                | 4.574  | 43    | 538      | 0.506     | ug/l # | 49       |
| 31) Cyclohexane               | 5.556  | 56    | 1914     | 1.179     | ug/l # | 49       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 5943     | 3.681     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 6689     | 3.812     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 35160    | 34.749    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 35160    | 96.151    | ug/l # | 11       |
| -----                         |        |       |          |           |        |          |

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

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ClientSampleId :

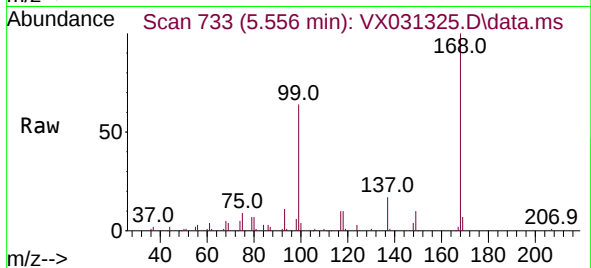
Quant Time: Sep 15 06:07:38 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 15 01:50:07 2022  
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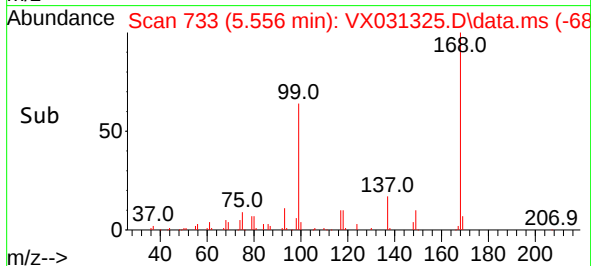
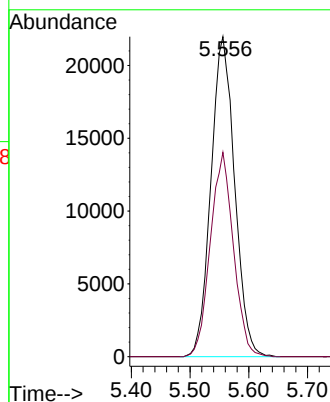


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Instrument :  
MSVOA\_X  
ClientSampleId :

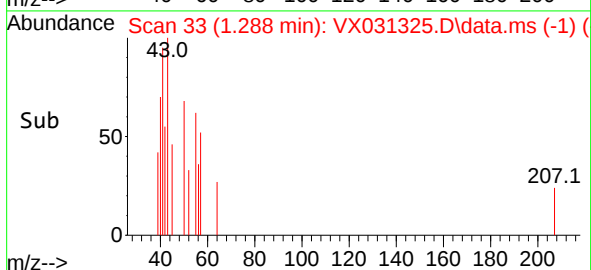
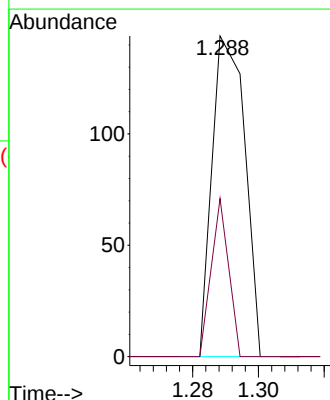
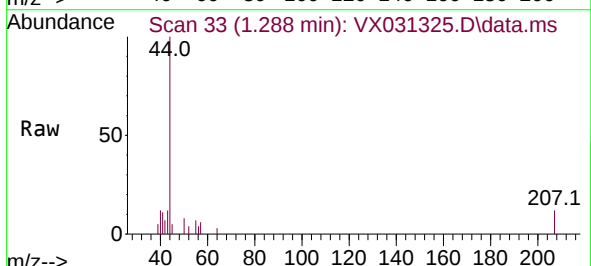


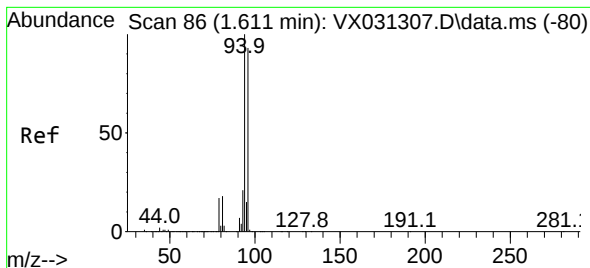
Tgt Ion:168 Resp: 61569  
Ion Ratio Lower Upper  
168 100  
99 63.9 48.8 73.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Tgt Ion: 50 Resp: 99  
Ion Ratio Lower Upper  
50 100  
52 49.3 26.9 40.3#





#5

Bromomethane

Concen: 0.298 ug/l

RT: 1.611 min Scan# 80

Delta R.T. 0.000 min

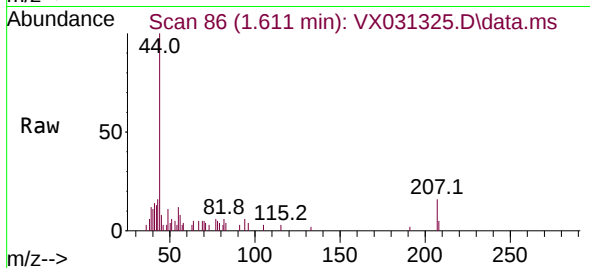
Lab File: VX031325.D

Acq: 14 Sep 2022 22:59

Instrument :

MSVOA\_X

ClientSampleId :

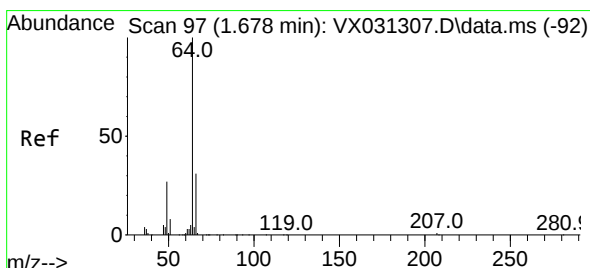
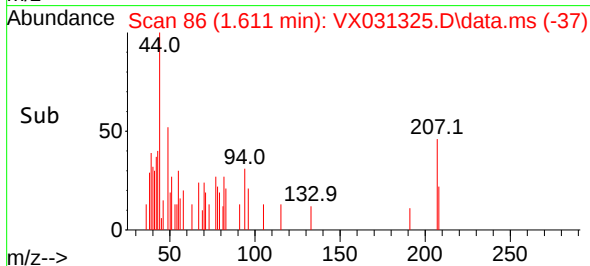
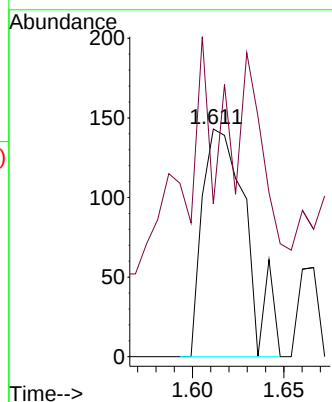


Tgt Ion: 94 Resp: 240

Ion Ratio Lower Upper

94 100

96 17.5 74.4 111.6#



#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.691 min Scan# 99

Delta R.T. 0.013 min

Lab File: VX031325.D

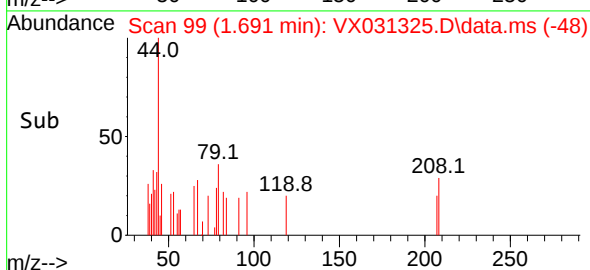
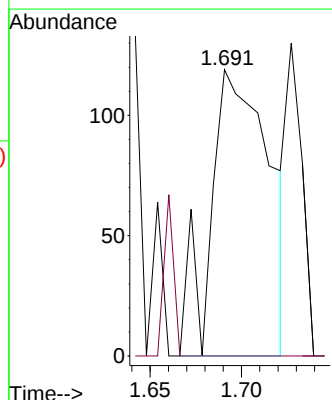
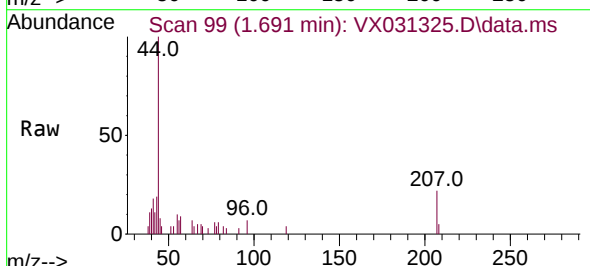
Acq: 14 Sep 2022 22:59

Tgt Ion: 64 Resp: 264

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.042 min

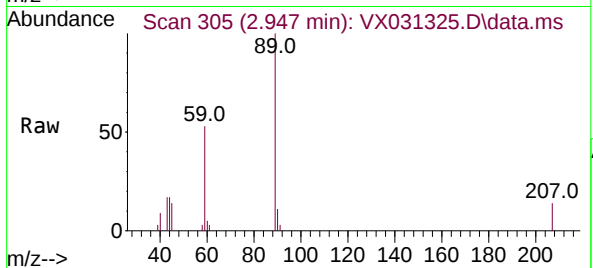
Lab File: VX031325.D

Acq: 14 Sep 2022 22:59

Instrument :

MSVOA\_X

ClientSampleId :

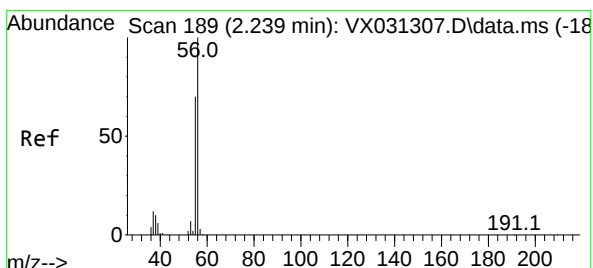
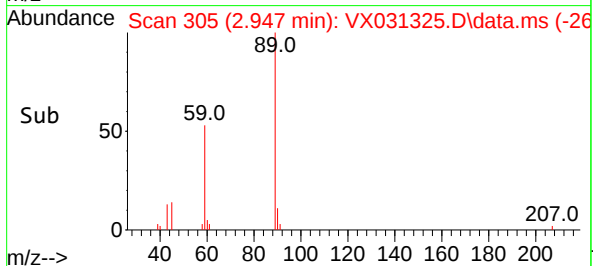
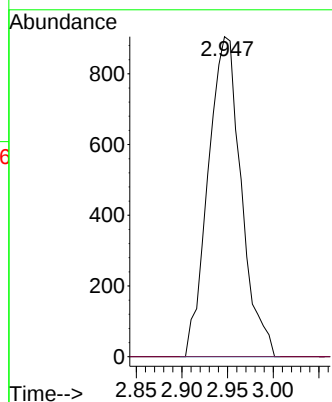


Tgt Ion: 59 Resp: 2278

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.206 ug/l

RT: 2.264 min Scan# 193

Delta R.T. 0.025 min

Lab File: VX031325.D

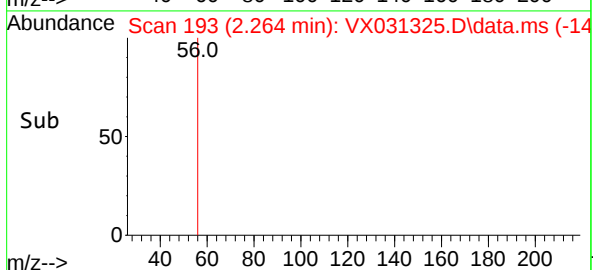
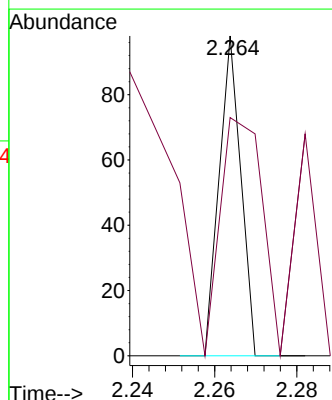
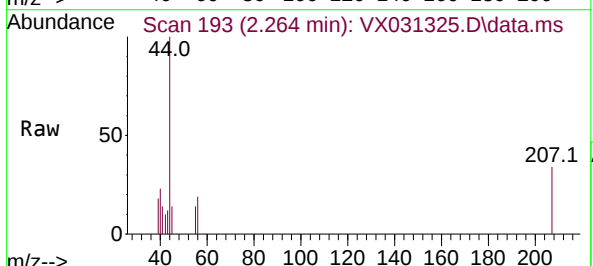
Acq: 14 Sep 2022 22:59

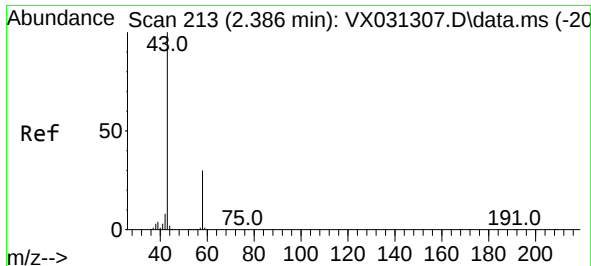
Tgt Ion: 56 Resp: 36

Ion Ratio Lower Upper

56 100

55 211.1 56.0 84.0#

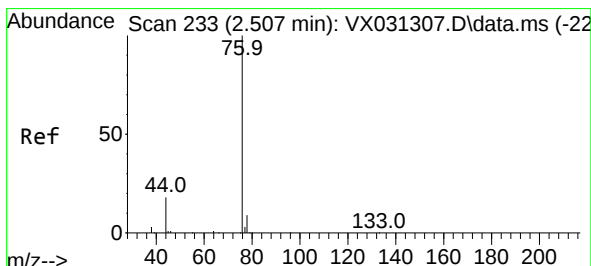
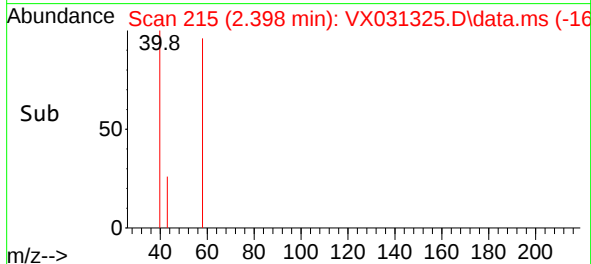
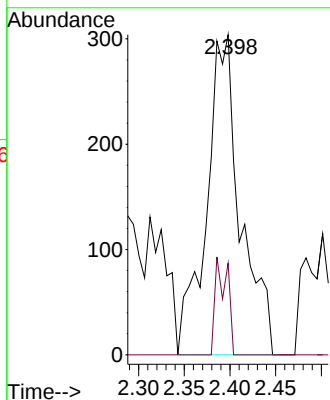
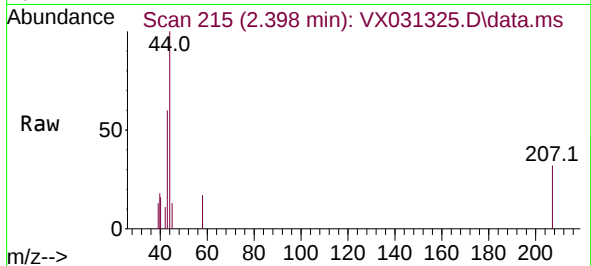




#16  
Acetone  
Concen: 1.218 ug/l  
RT: 2.398 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

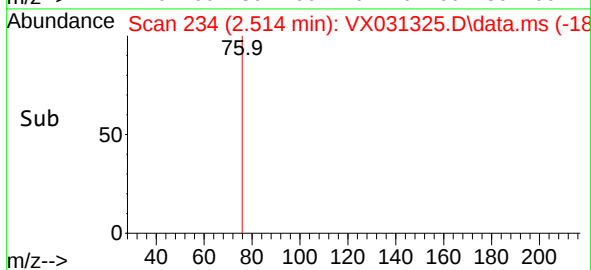
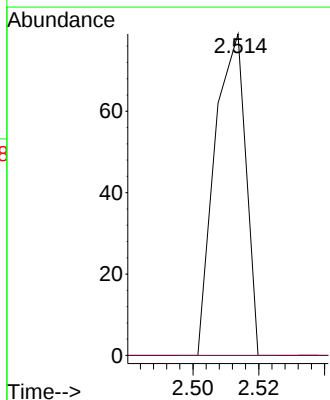
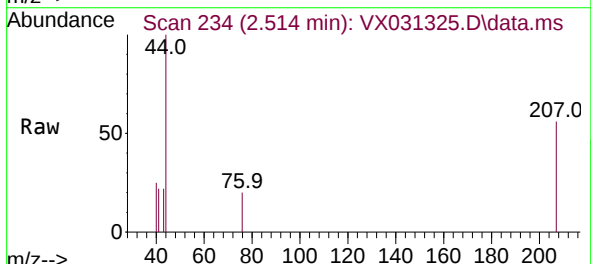
Instrument :  
MSVOA\_X  
ClientSampleId :

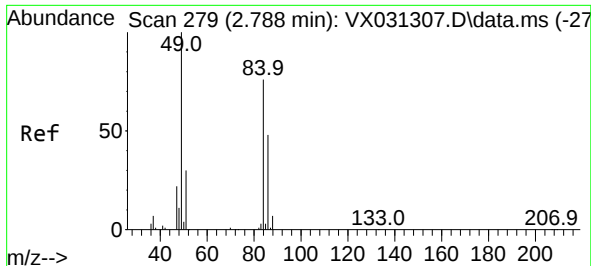
Tgt Ion: 43 Resp: 786  
Ion Ratio Lower Upper  
43 100  
58 28.6 23.8 35.8



#17  
Carbon Disulfide  
Concen: 0.904 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.007 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

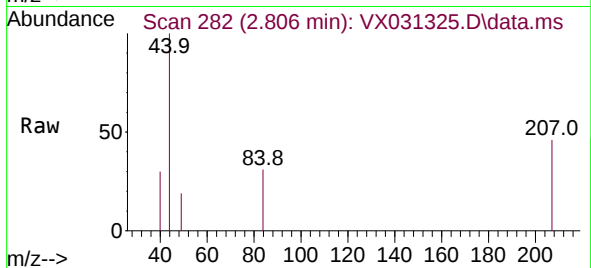
Tgt Ion: 76 Resp: 52  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



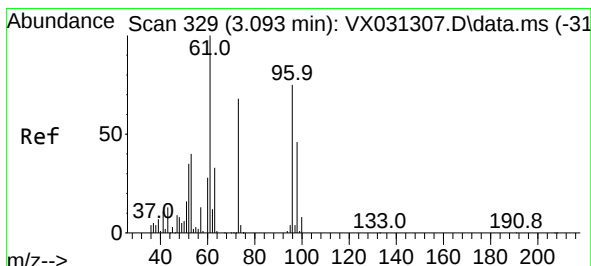
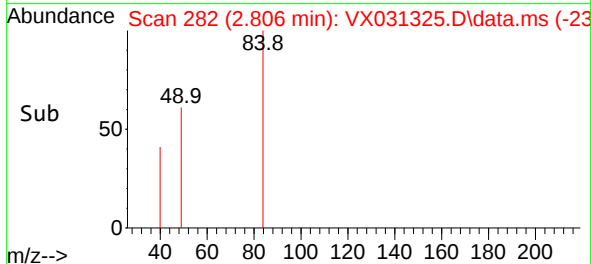
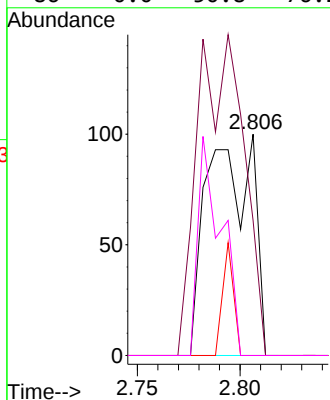


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.806 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Instrument :  
MSVOA\_X  
ClientSampleId :

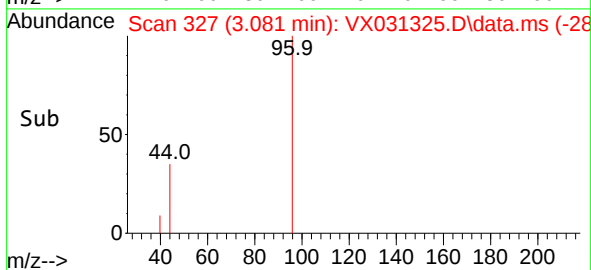
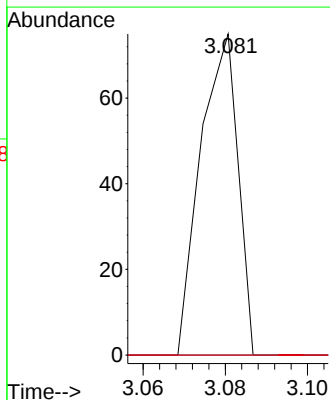
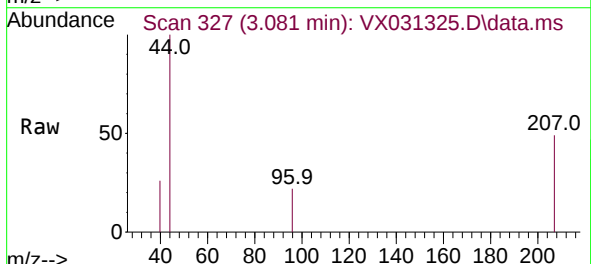


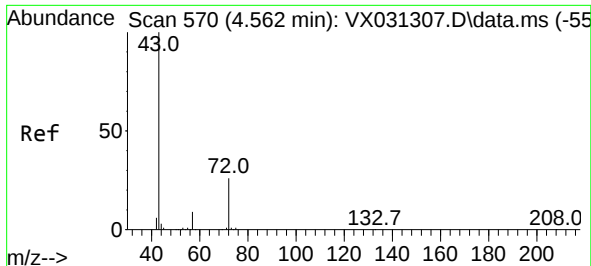
Tgt Ion: 84 Resp: 153  
Ion Ratio Lower Upper  
84 100  
49 61.0 105.9 158.9#  
51 0.0 32.2 48.2#  
86 0.0 50.8 76.2#



#21  
trans-1,2-Dichloroethene  
Concen: Below Cal  
RT: 3.081 min Scan# 327  
Delta R.T. -0.012 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Tgt Ion: 96 Resp: 47  
Ion Ratio Lower Upper  
96 100  
61 0.0 106.7 160.1#  
98 0.0 48.7 73.1#

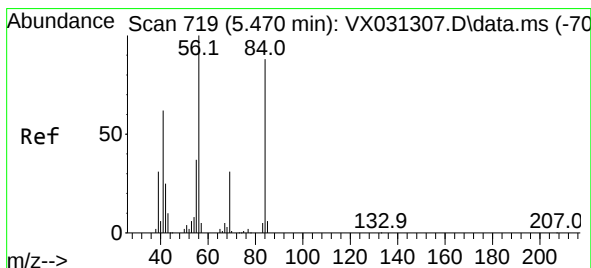
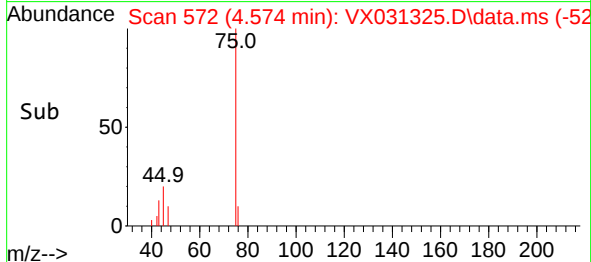
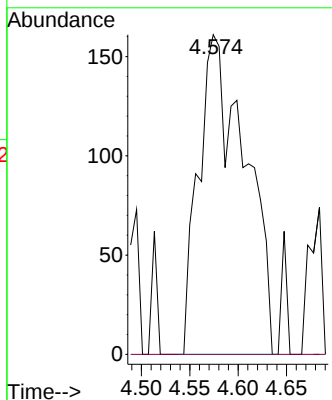
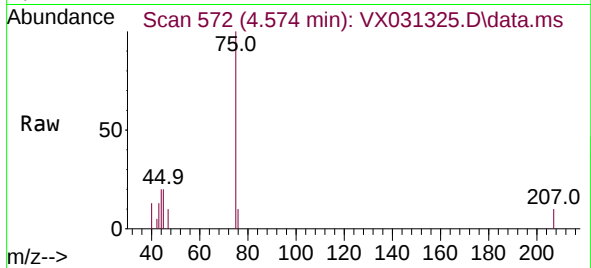




#25  
2-Butanone  
Concen: 0.506 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

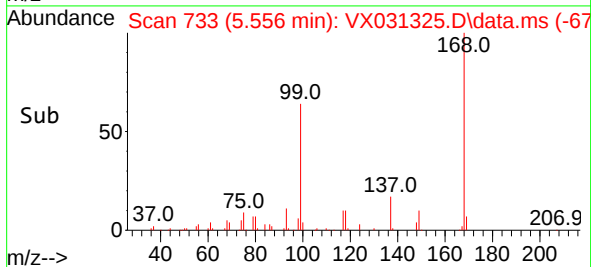
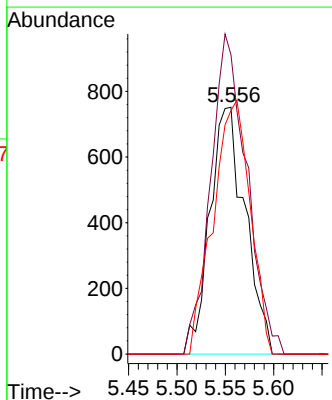
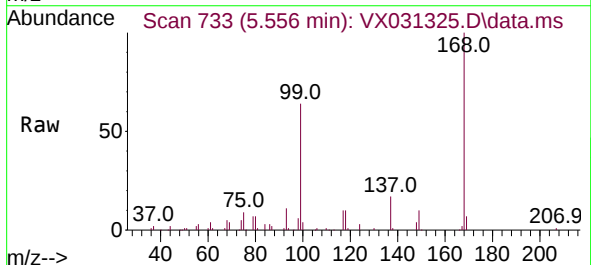
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MSVOA\_X  
ClientSampleId :

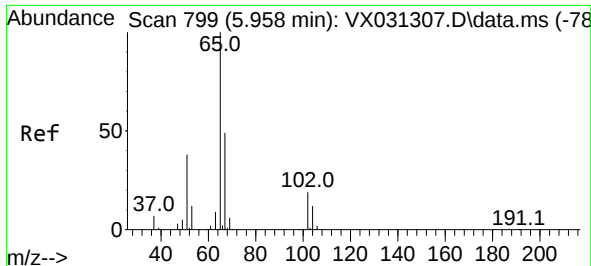
Tgt Ion: 43 Resp: 538  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.1 31.7#



#31  
Cyclohexane  
Concen: 1.179 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Tgt Ion: 56 Resp: 1914  
Ion Ratio Lower Upper  
56 100  
69 121.1 25.1 37.7#  
84 98.7 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 43.274 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031325.D

Acq: 14 Sep 2022 22:59

Instrument :

MSVOA\_X

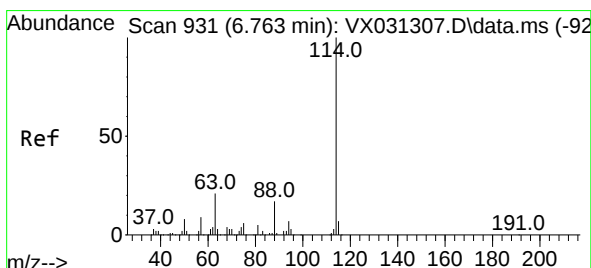
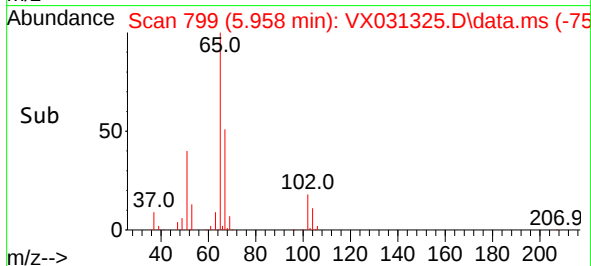
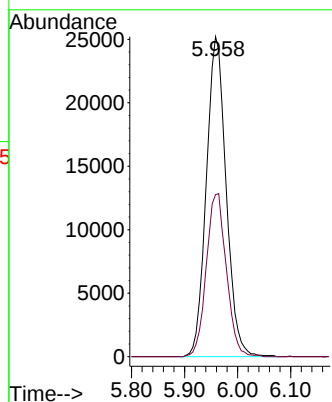
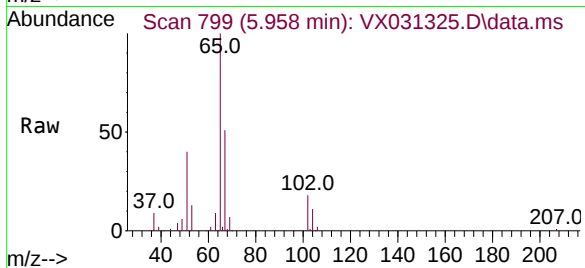
ClientSampleId :

Tgt Ion: 65 Resp: 65397

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031325.D

Acq: 14 Sep 2022 22:59

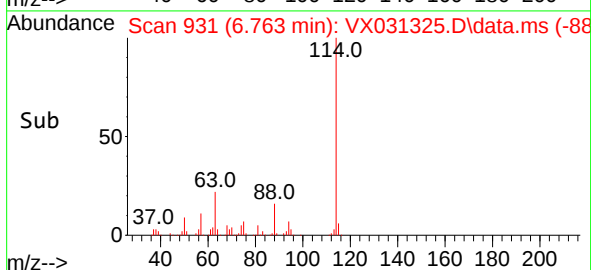
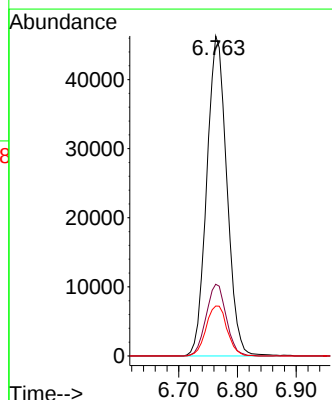
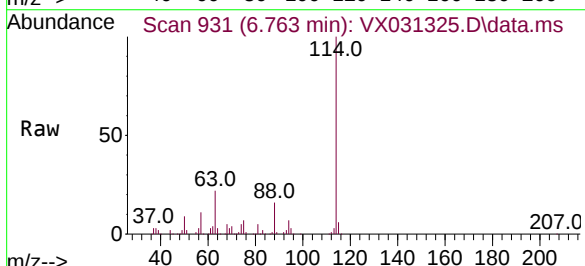
Tgt Ion: 114 Resp: 109728

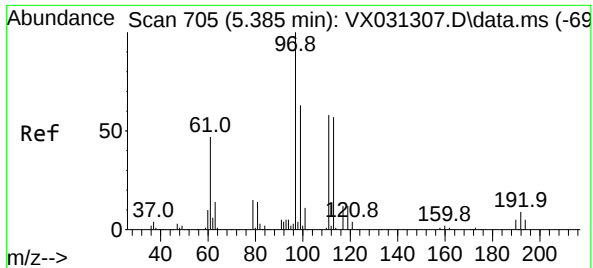
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 39.658 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031325.D

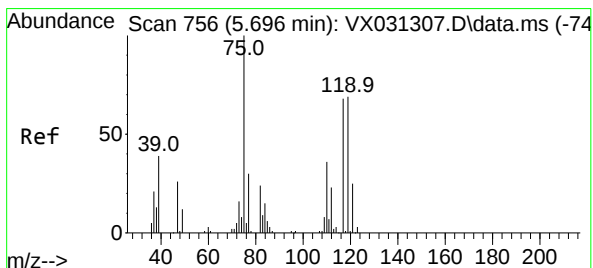
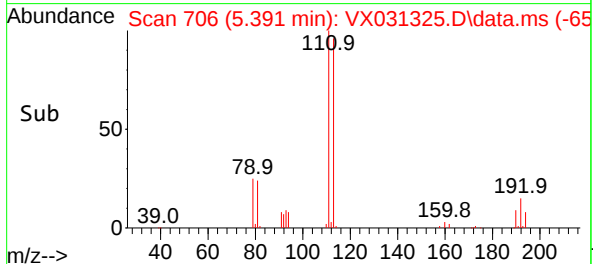
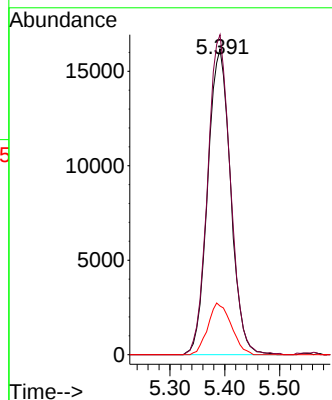
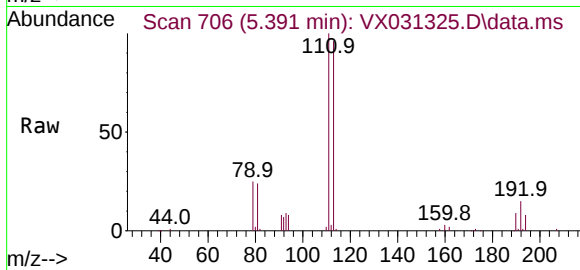
Acq: 14 Sep 2022 22:59

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 46777 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.3 | 82.4  | 123.6 |
| 192      | 17.3  | 14.1  | 21.1  |



#36

1,1-Dichloropropene

Concen: 3.681 ug/l

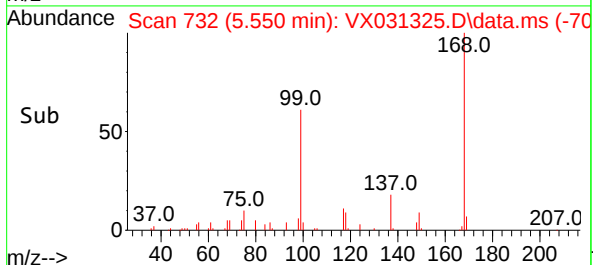
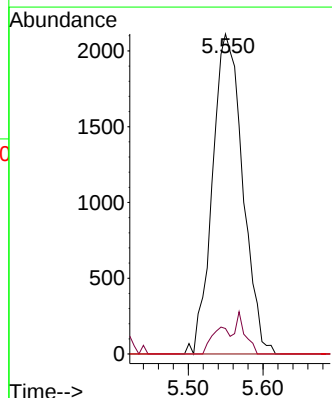
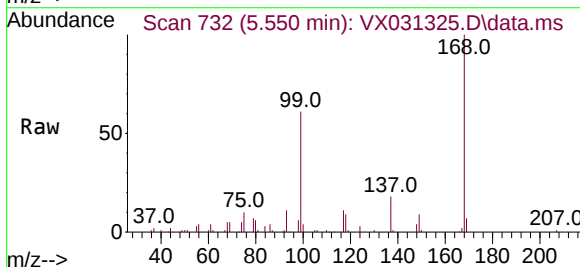
RT: 5.550 min Scan# 732

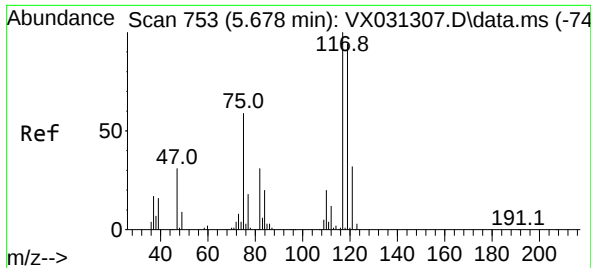
Delta R.T. -0.146 min

Lab File: VX031325.D

Acq: 14 Sep 2022 22:59

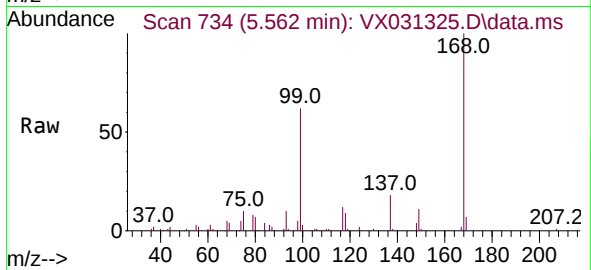
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5943  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 4.9   | 17.5  | 52.5# |
| 77       | 0.0   | 24.9  | 37.3# |



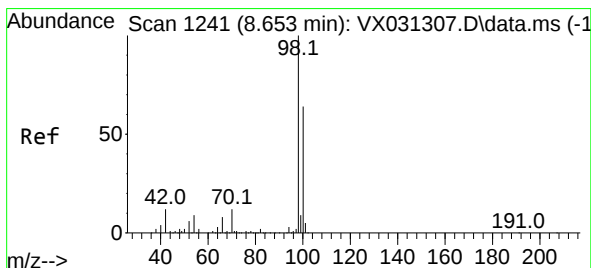
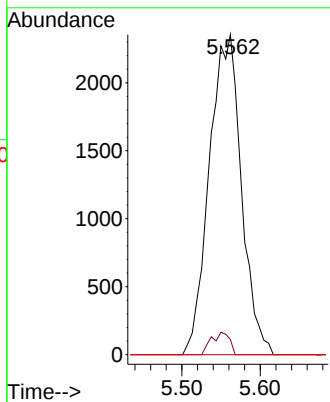
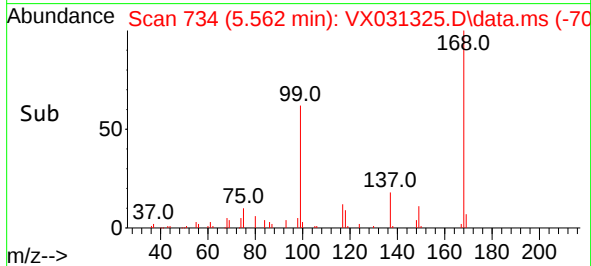


#38  
Carbon Tetrachloride  
Concen: 3.812 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Instrument :  
MSVOA\_X  
ClientSampleId :

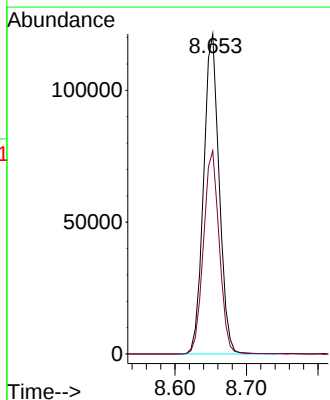
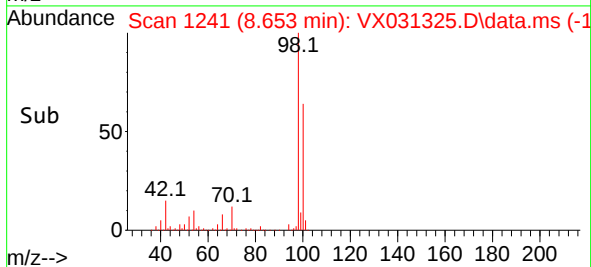
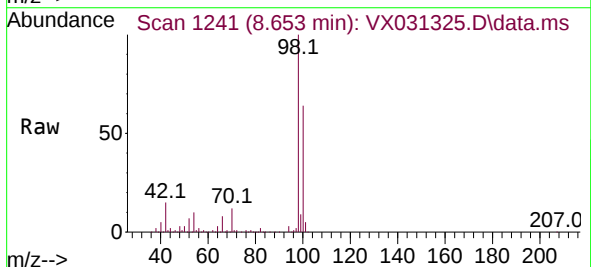


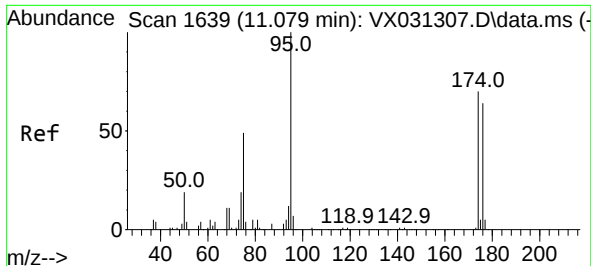
Tgt Ion:117 Resp: 6689  
Ion Ratio Lower Upper  
117 100  
119 4.7 74.6 112.0#  
121 0.0 25.3 37.9#



#50  
Toluene-d8  
Concen: 41.495 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

Tgt Ion: 98 Resp: 183591  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.5 78.7

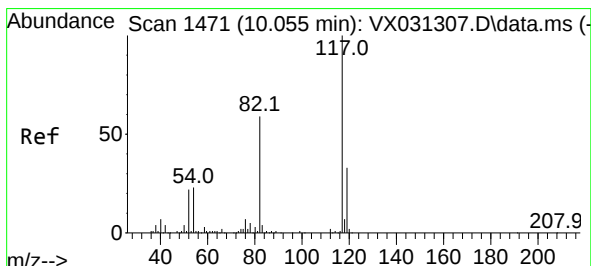
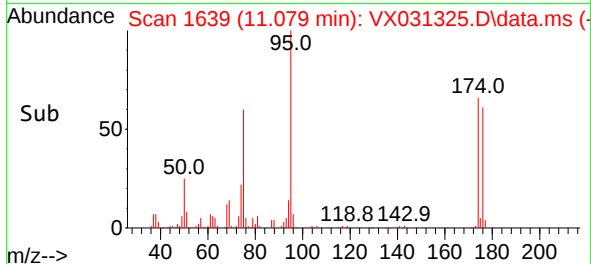
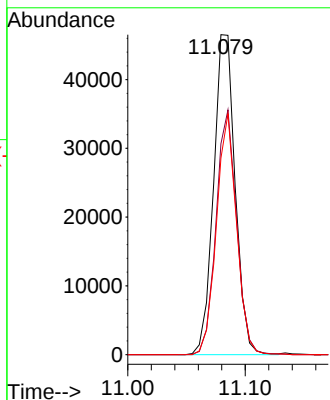
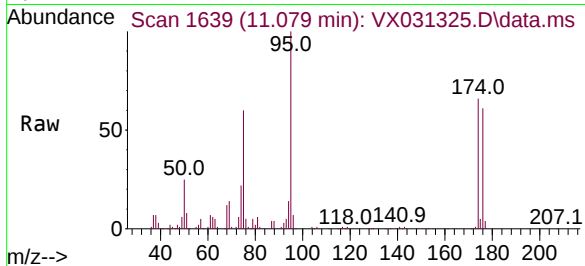




#62  
4-Bromofluorobenzene  
Concen: 36.750 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

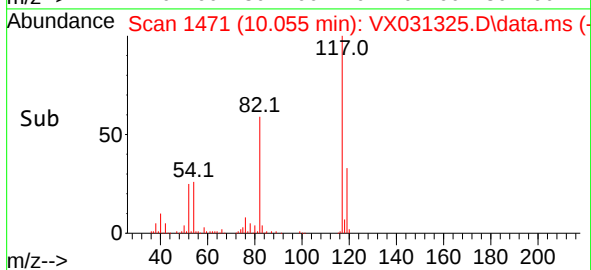
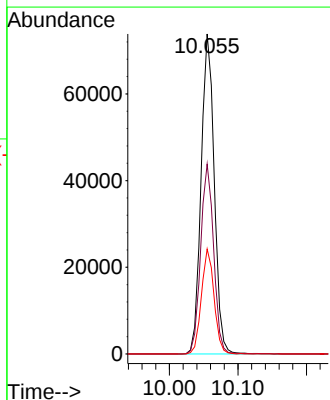
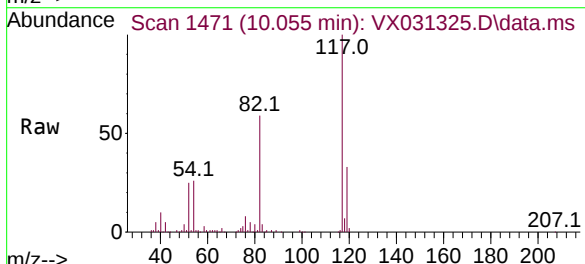
Instrument :  
MSVOA\_X  
ClientSampleId :

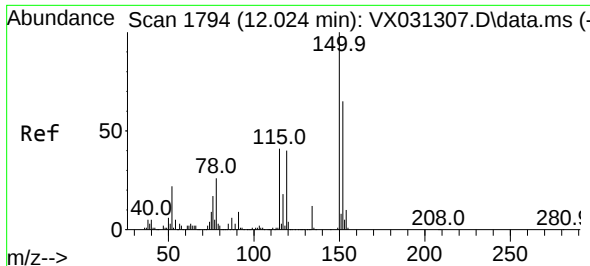
Tgt Ion: 95 Resp: 59543  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 153.2  
176 70.1 0.0 144.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031325.D  
Acq: 14 Sep 2022 22:59

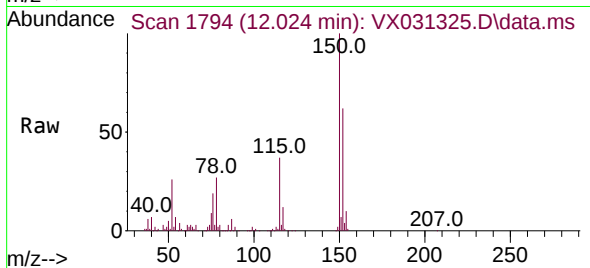
Tgt Ion: 117 Resp: 98678  
Ion Ratio Lower Upper  
117 100  
82 59.3 46.8 70.2  
119 32.8 26.4 39.6



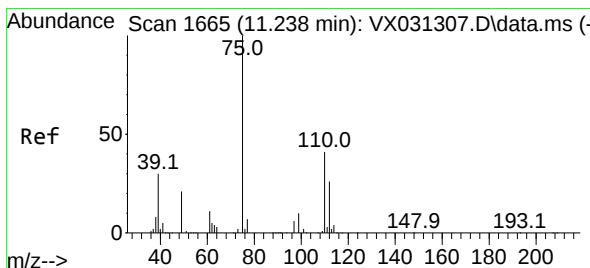
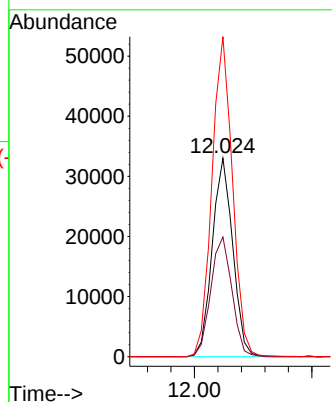
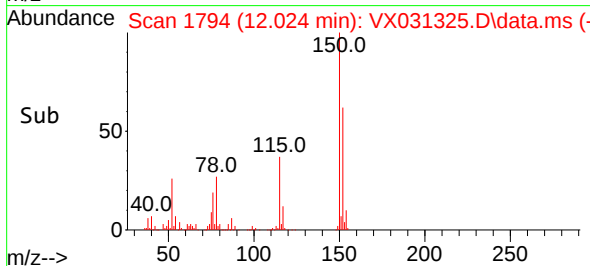


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX031325.D  
 Acq: 14 Sep 2022 22:59

Instrument :  
 MSVOA\_X  
 ClientSampleId :

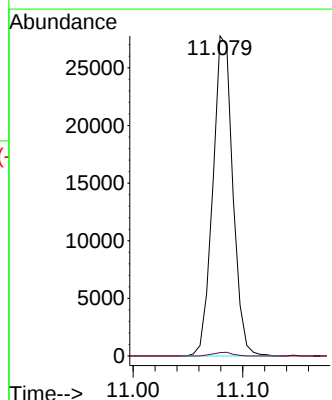
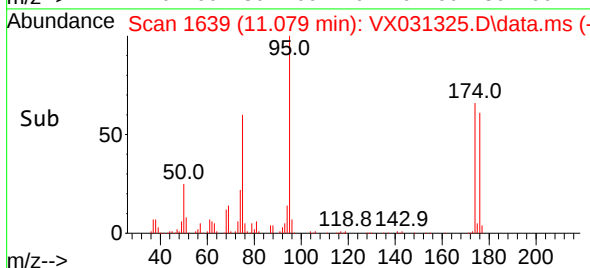
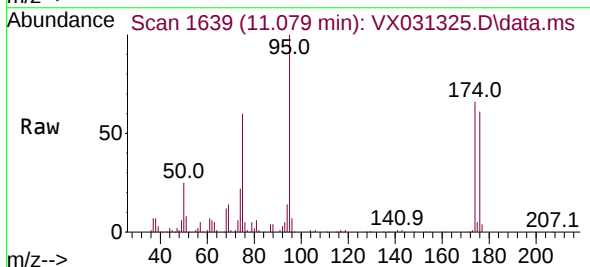


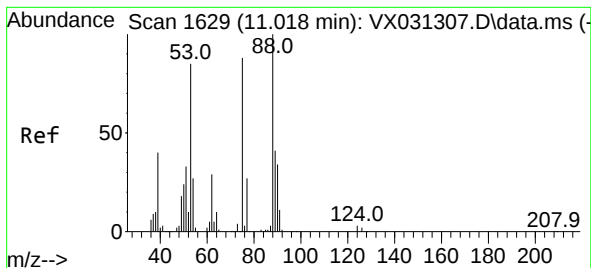
Tgt Ion:152 Resp: 40152  
 Ion Ratio Lower Upper  
 152 100  
 115 61.9 43.4 130.1  
 150 161.1 0.0 346.8



#76  
 1,2,3-Trichloropropane  
 Concen: 34.749 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX031325.D  
 Acq: 14 Sep 2022 22:59

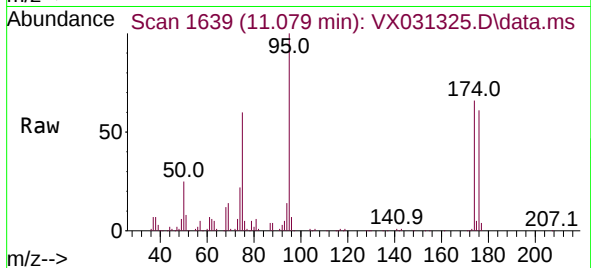
Tgt Ion: 75 Resp: 35160  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.3 60.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 96.151 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX031325.D  
 Acq: 14 Sep 2022 22:59

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 35160  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.6 116.4#  
 89 0.0 37.4 56.0#

