

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012521\  
 Data File : VX020732.D  
 Acq On : 25 Jan 2021 18:09  
 Operator : JC/SP  
 Sample : M1189-14 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 41090DL

Quant Time: Jan 26 03:10:28 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:38:15 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.629  | 168  | 309484   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.830  | 114  | 528425   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.092 | 117  | 505435   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.061 | 152  | 222982   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 6.031  | 65    | 211566   | 50.12    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 100.24% |
| 35) Dibromofluoromethane    | 5.465  | 113   | 178044   | 49.19    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 98.38%  |
| 50) Toluene-d8              | 8.696  | 98    | 662280   | 49.91    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 99.82%  |
| 62) 4-Bromofluorobenzene    | 11.122 | 95    | 235425   | 45.68    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 91.36%  |

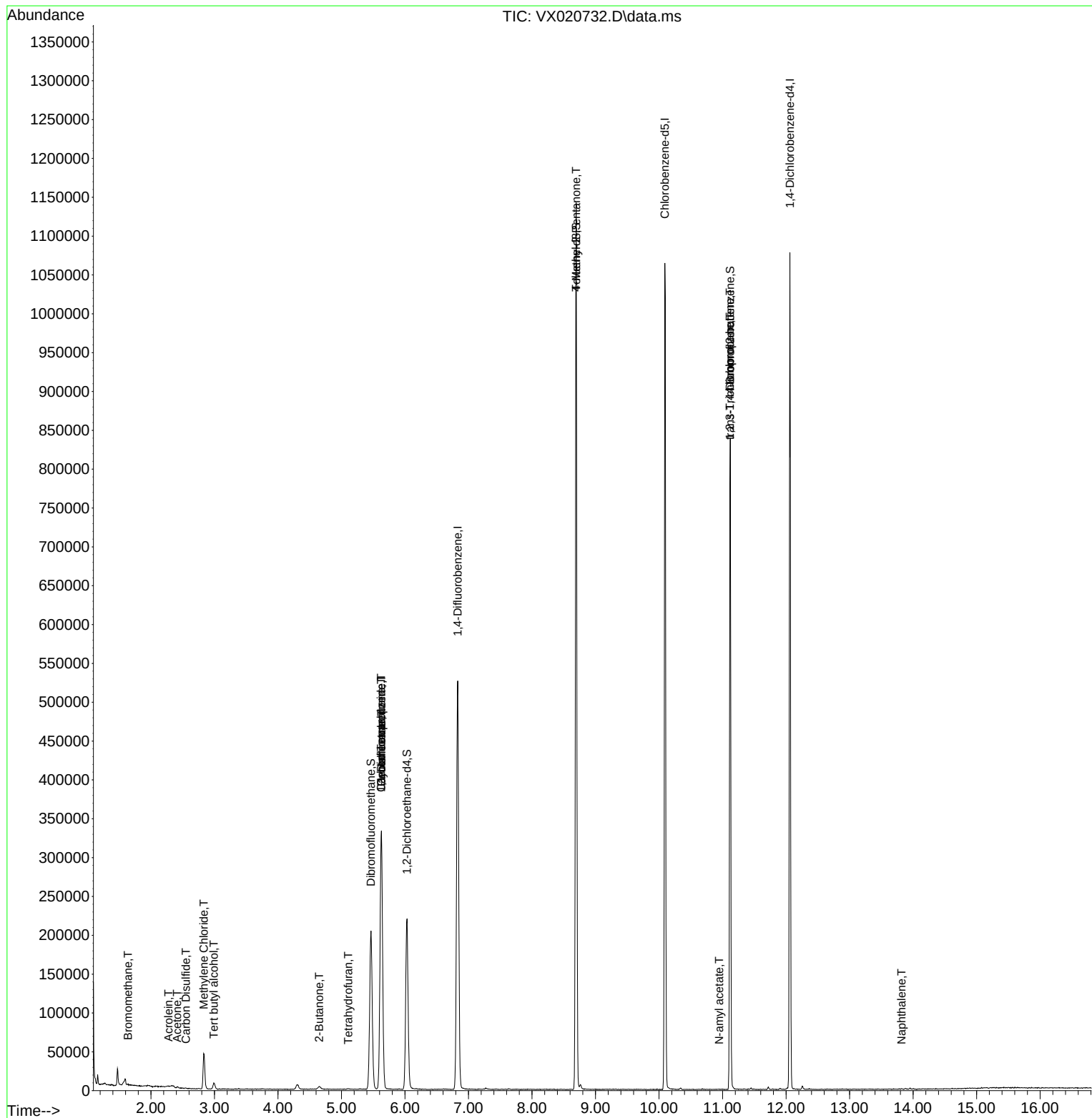
| Target Compounds              |        |     |        |       |        | Qvalue |
|-------------------------------|--------|-----|--------|-------|--------|--------|
| 5) Bromomethane               | 1.636  | 94  | 551    | 0.26  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 2.989  | 59  | 4547   | 5.77  | ug/l # | 75     |
| 13) Acrolein                  | 2.276  | 56  | 165    | 0.28  | ug/l # | 28     |
| 16) Acetone                   | 2.410  | 43  | 1880   | 1.17  | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.550  | 76  | 1098   | 1.01  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.831  | 84  | 21873  | 5.42  | ug/l   | 97     |
| 25) 2-Butanone                | 4.648  | 43  | 1039   | 0.41  | ug/l   | 94     |
| 29) Tetrahydrofuran           | 5.105  | 42  | 627    | 0.39  | ug/l # | 63     |
| 31) Cyclohexane               | 5.629  | 56  | 5982   | 1.05  | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 5.623  | 75  | 23986  | 4.52  | ug/l # | 49     |
| 38) Carbon Tetrachloride      | 5.623  | 117 | 31831  | 5.71  | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone      | 8.696  | 43  | 2678   | 0.53  | ug/l # | 1      |
| 74) N-amyl acetate            | 10.945 | 43  | 22     | 2.02  | ug/l # | 38     |
| 76) 1,2,3-Trichloropropane    | 11.116 | 75  | 116092 | 22.45 | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.116 | 75  | 116092 | 62.90 | ug/l # | 12     |
| 95) Naphthalene               | 13.817 | 128 | 774    | 2.92  | ug/l # | 91     |

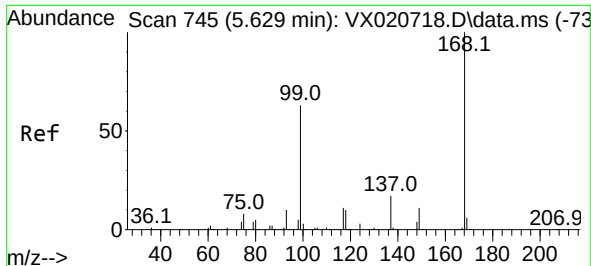
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012521\  
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Sample : M1189-14 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
41090DL

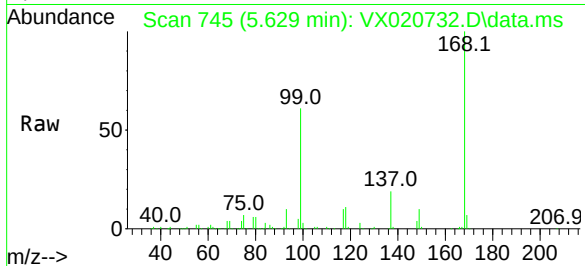
Quant Time: Jan 26 03:10:28 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:38:15 2021  
Response via : Initial Calibration



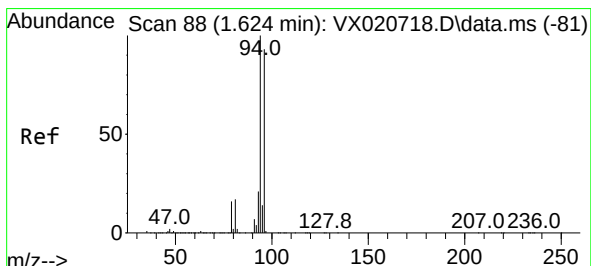
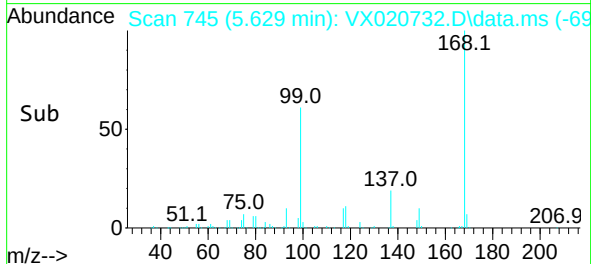
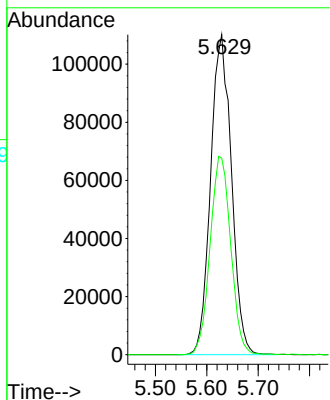


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
41090DL

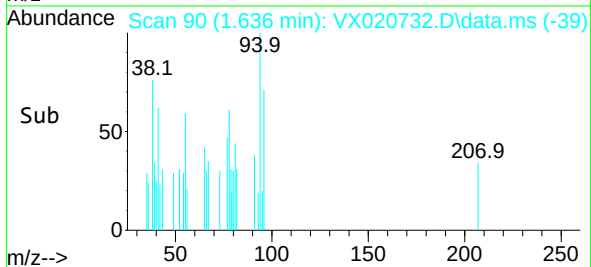
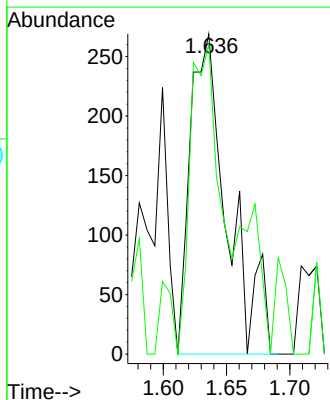
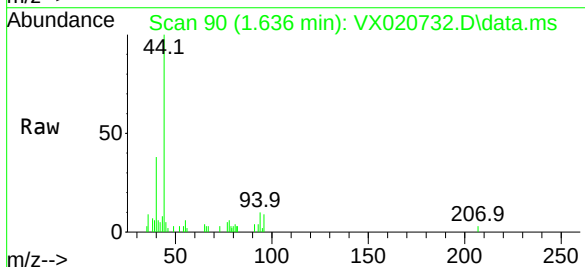


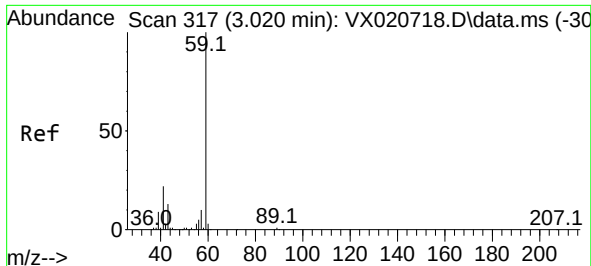
Tgt Ion:168 Resp: 309484  
Ion Ratio Lower Upper  
168 100  
99 61.4 45.8 68.6



#5  
Bromomethane  
Concen: 0.26 ug/l  
RT: 1.636 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Tgt Ion: 94 Resp: 551  
Ion Ratio Lower Upper  
94 100  
96 96.7 76.4 114.6



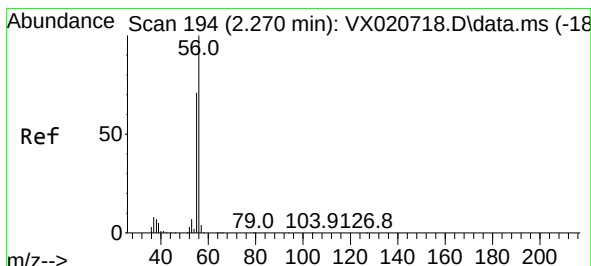
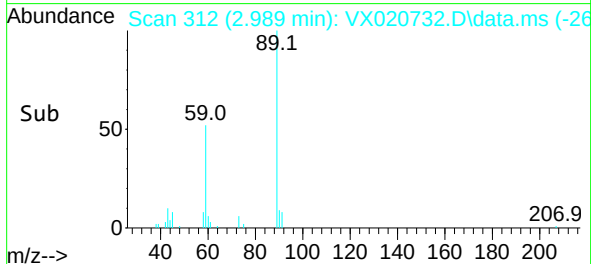
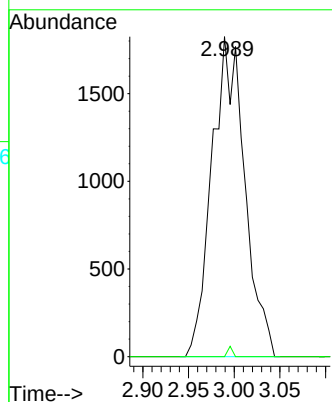
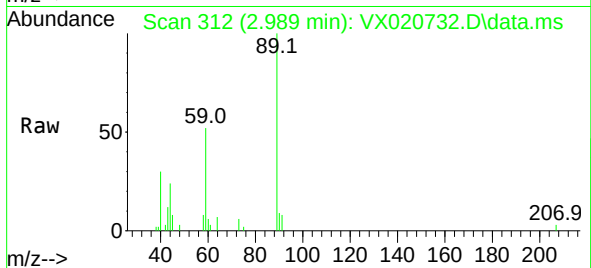


#11

Tert butyl alcohol  
Concen: 5.77 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.031 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Instrument :  
MSVOA\_X  
ClientSampled :  
41090DL

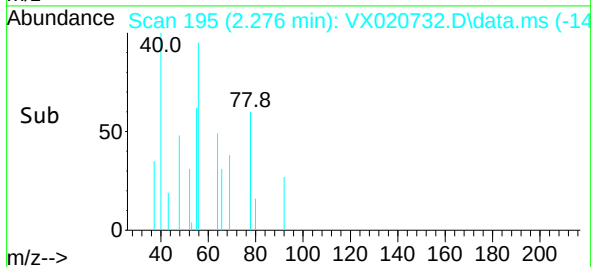
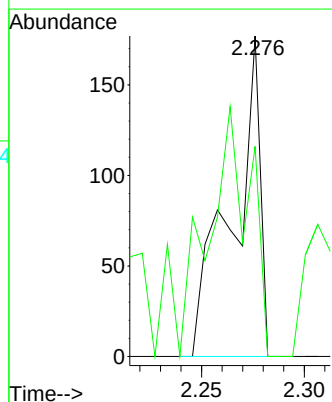
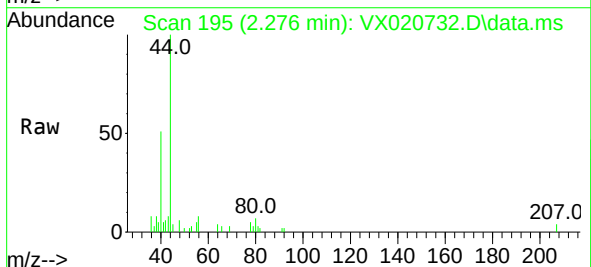
Tgt Ion: 59 Resp: 4547  
Ion Ratio Lower Upper  
59 100  
57 0.5 7.8 11.8#

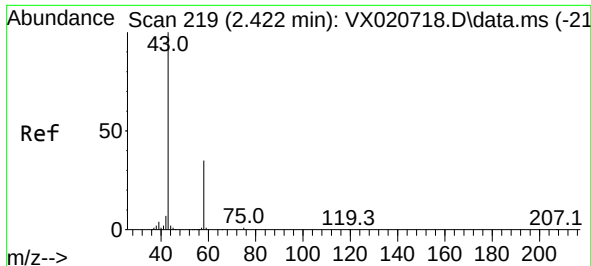


#13

Acrolein  
Concen: 0.28 ug/l  
RT: 2.276 min Scan# 195  
Delta R.T. 0.006 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Tgt Ion: 56 Resp: 165  
Ion Ratio Lower Upper  
56 100  
55 129.7 56.4 84.6#

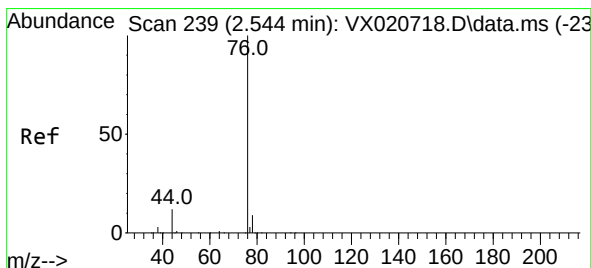
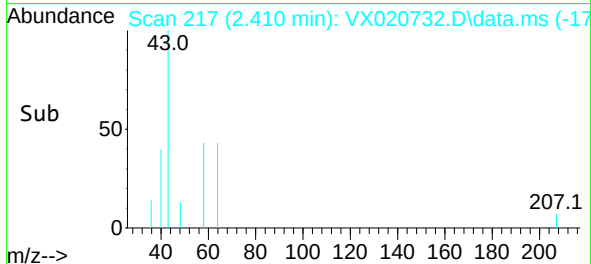
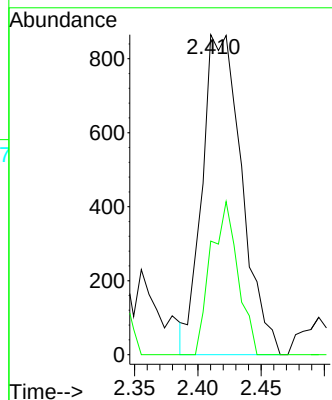
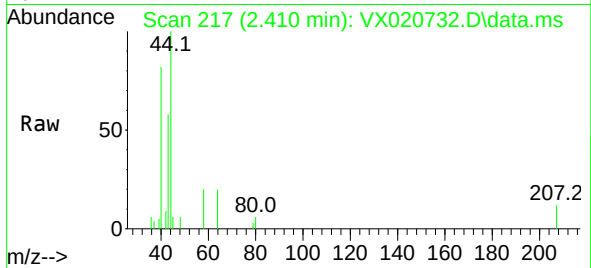




#16  
Acetone  
Concen: 1.17 ug/l  
RT: 2.410 min Scan# 217  
Delta R.T. -0.012 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

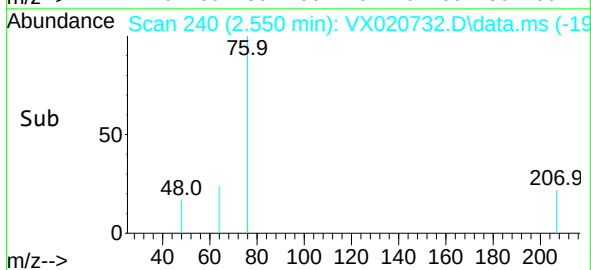
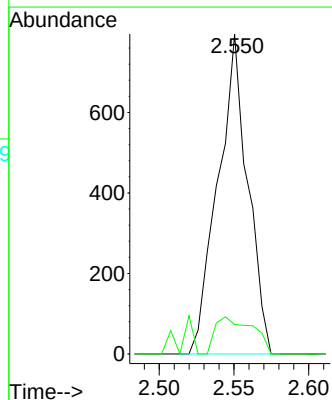
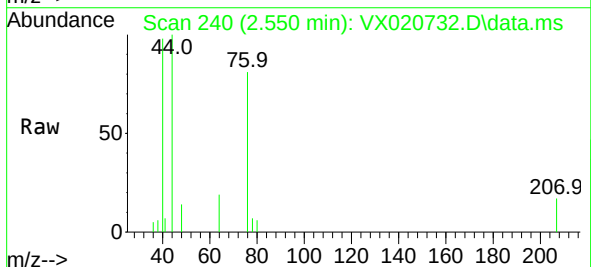
Instrument :  
MSVOA\_X  
ClientSampleID :  
41090DL

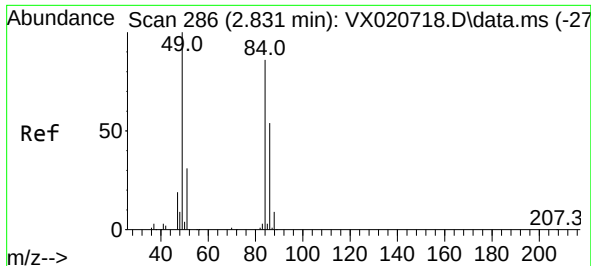
Tgt Ion: 43 Resp: 1880  
Ion Ratio Lower Upper  
43 100  
58 35.5 27.8 41.8



#17  
Carbon Disulfide  
Concen: 1.01 ug/l  
RT: 2.550 min Scan# 240  
Delta R.T. 0.006 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Tgt Ion: 76 Resp: 1098  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8





#20

Methylene Chloride

Concen: 5.42 ug/l

RT: 2.831 min Scan# 286

Delta R.T. -0.000 min

Lab File: VX020732.D

Acq: 25 Jan 2021 18:09

Instrument :

MSVOA\_X

ClientSampleId :

41090DL

Tgt Ion: 84 Resp: 21873

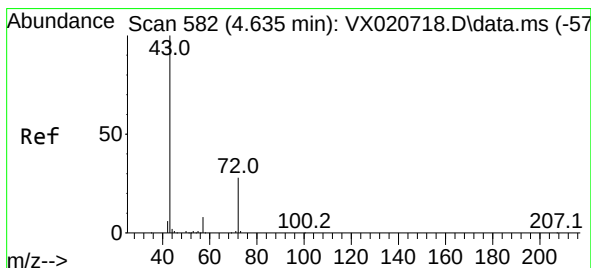
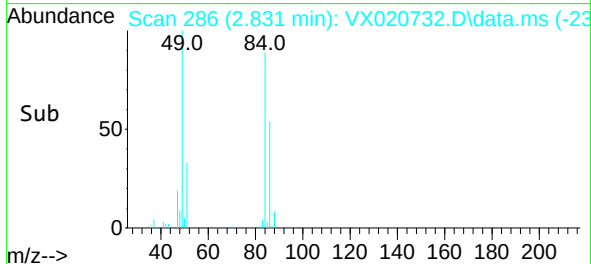
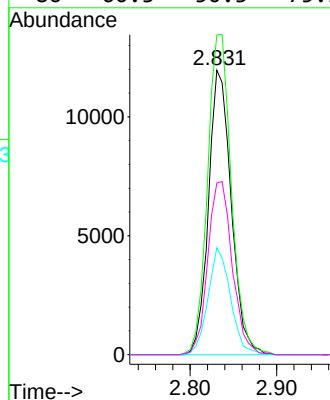
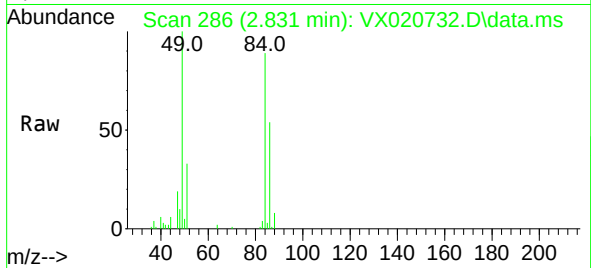
Ion Ratio Lower Upper

84 100

49 112.4 88.6 132.8

51 37.6 27.0 40.6

86 60.3 50.3 75.5



#25

2-Butanone

Concen: 0.41 ug/l

RT: 4.648 min Scan# 584

Delta R.T. 0.013 min

Lab File: VX020732.D

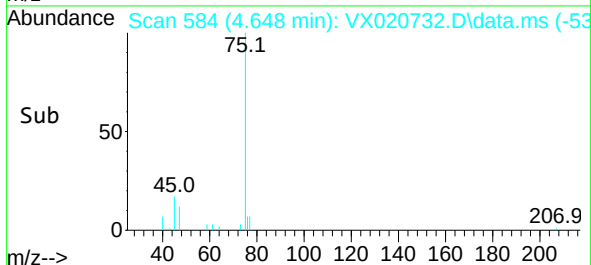
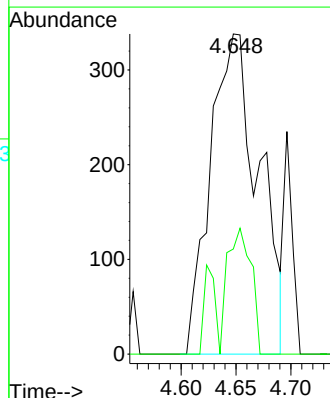
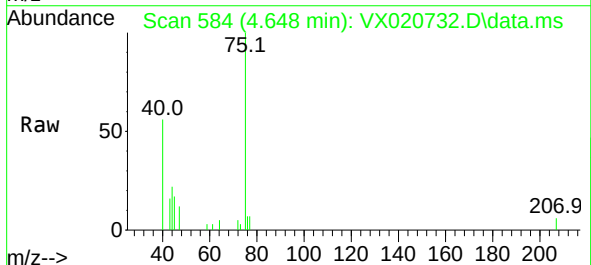
Acq: 25 Jan 2021 18:09

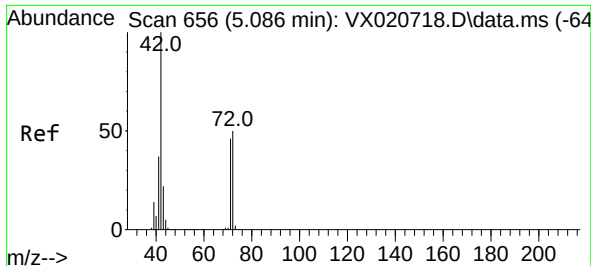
Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

43 100

72 32.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.105 min Scan# 659

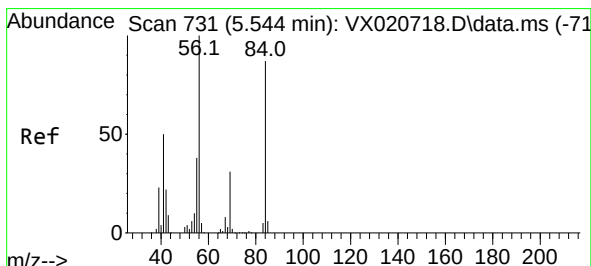
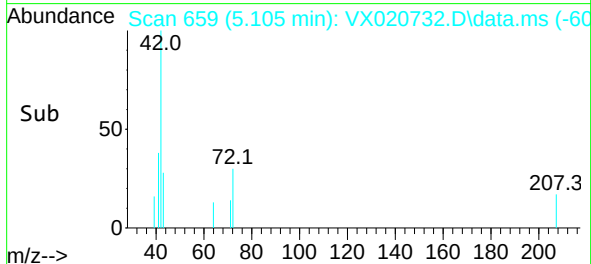
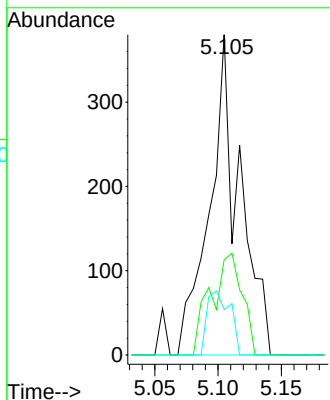
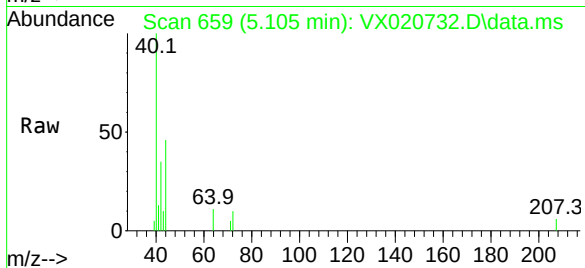
Delta R.T. 0.019 min

Lab File: VX020732.D

Acq: 25 Jan 2021 18:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 627   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 33.2  | 41.7  | 62.5# |
| 71       | 15.2  | 38.4  | 57.6# |

Instrument :  
MSVOA\_X  
ClientSampleId :  
41090DL



#31

Cyclohexane

Concen: 1.05 ug/l

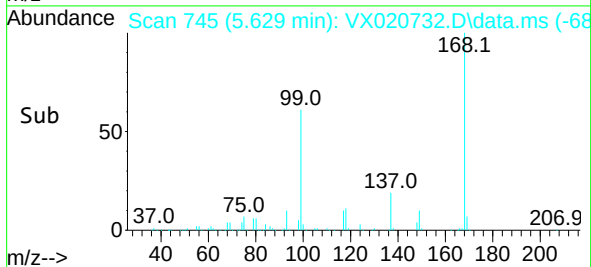
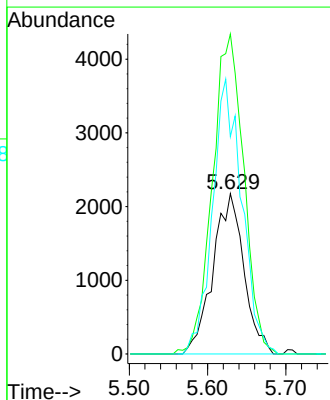
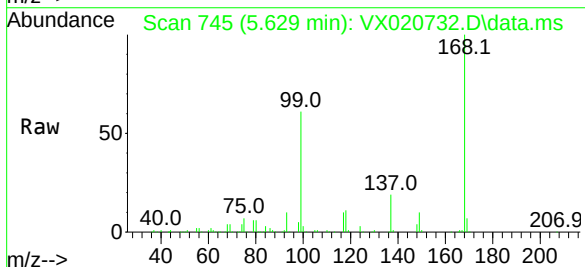
RT: 5.629 min Scan# 745

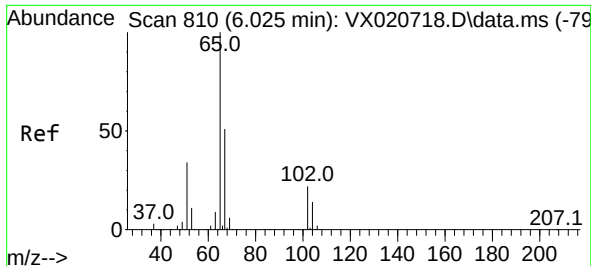
Delta R.T. 0.085 min

Lab File: VX020732.D

Acq: 25 Jan 2021 18:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5982   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 199.6 | 25.3  | 37.9#  |
| 84       | 135.5 | 71.4  | 107.0# |





#33

1,2-Dichloroethane-d4

Concen: 50.12 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020732.D

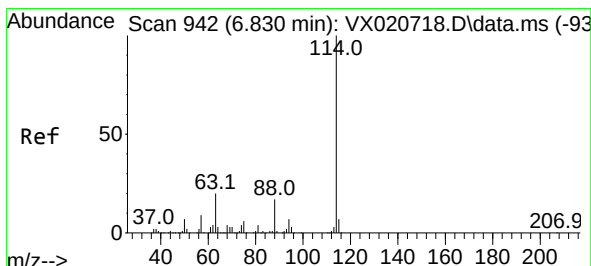
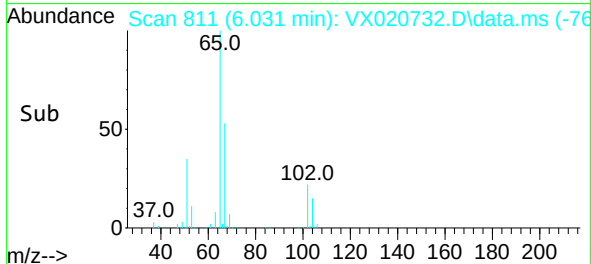
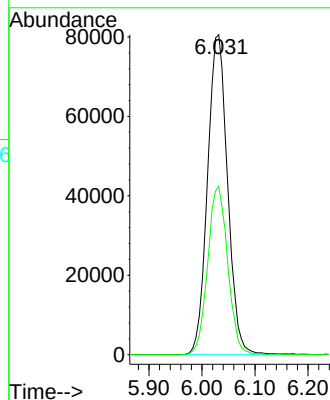
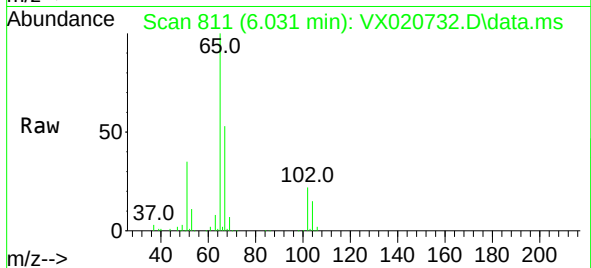
Acq: 25 Jan 2021 18:09

Tgt Ion: 65 Resp: 211566

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX020732.D

Acq: 25 Jan 2021 18:09

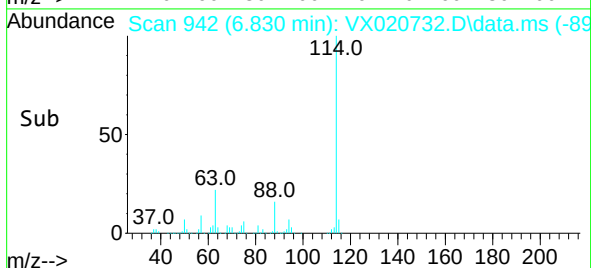
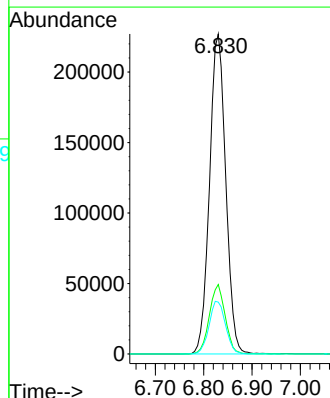
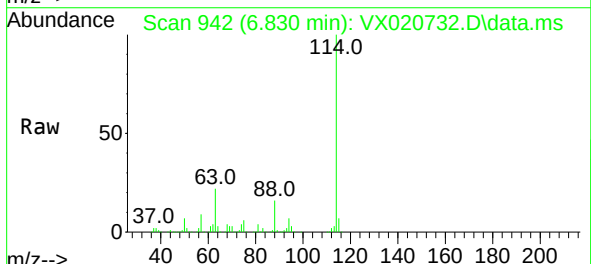
Tgt Ion: 114 Resp: 528425

Ion Ratio Lower Upper

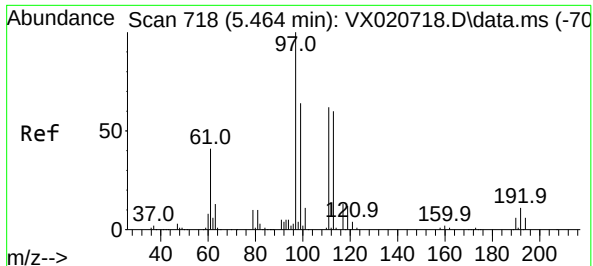
114 100

63 21.7 0.0 40.8

88 16.2 0.0 32.8



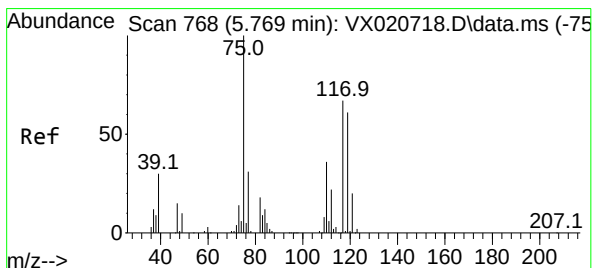
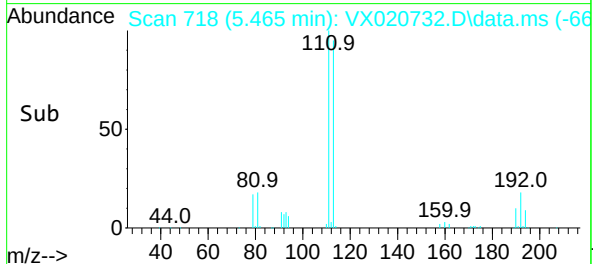
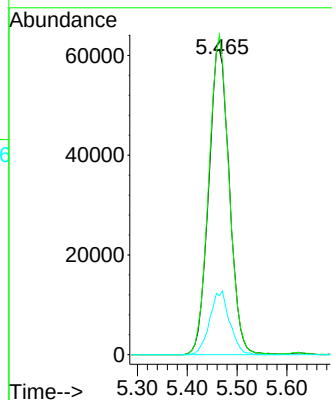
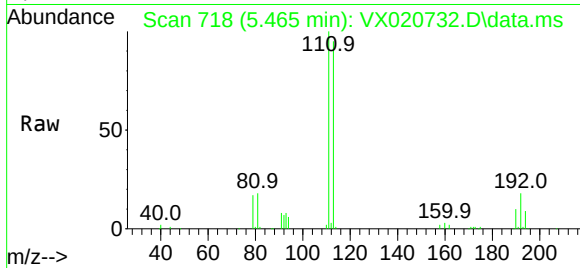




#35  
Dibromofluoromethane  
Concen: 49.19 ug/l  
RT: 5.465 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

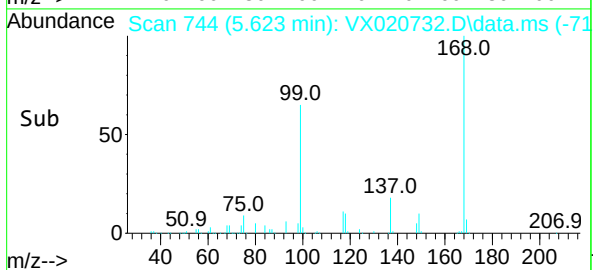
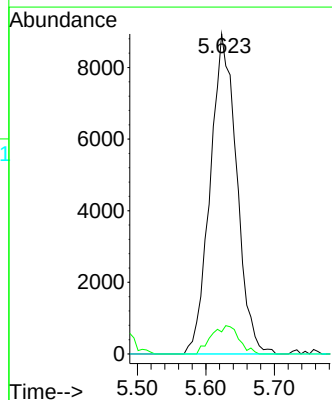
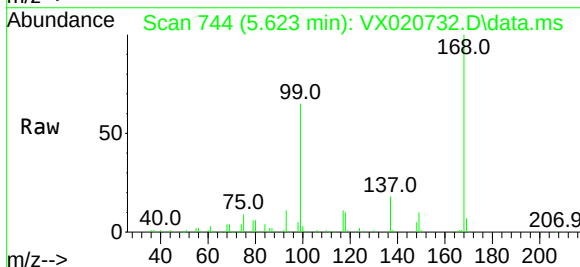
Instrument :  
MSVOA\_X  
ClientSampleId :  
41090DL

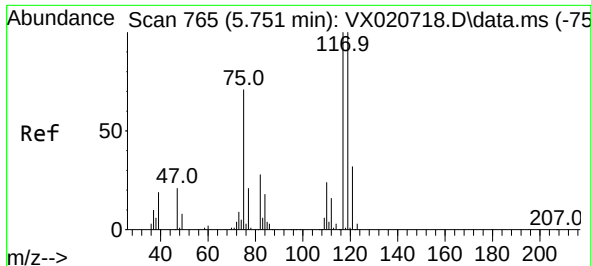
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 178044 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.6 | 81.9  | 122.9  |
| 192      | 19.8  | 16.7  | 25.1   |



#36  
1,1-Dichloropropene  
Concen: 4.52 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.146 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

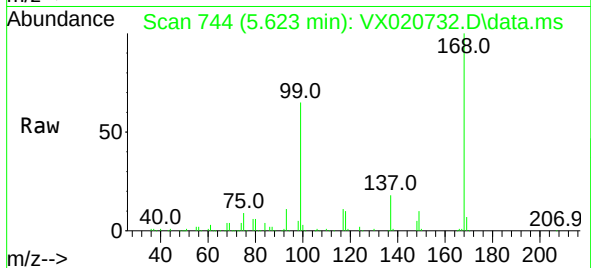
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 23986 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.2   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |



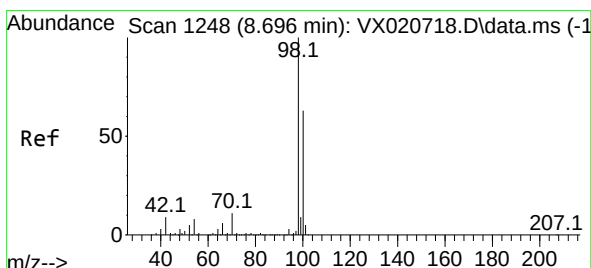
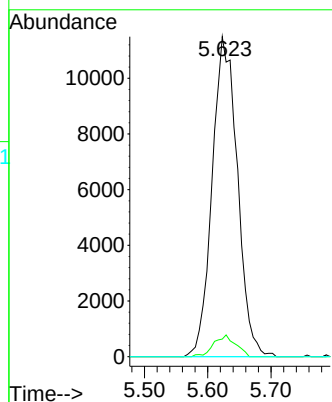
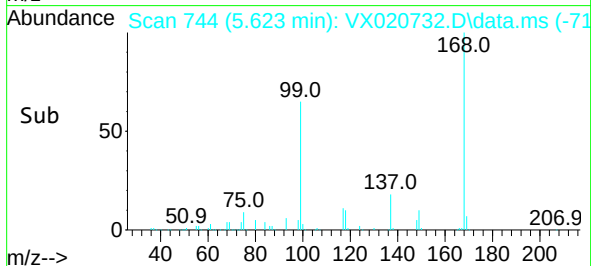


#38  
Carbon Tetrachloride  
Concen: 5.71 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.128 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

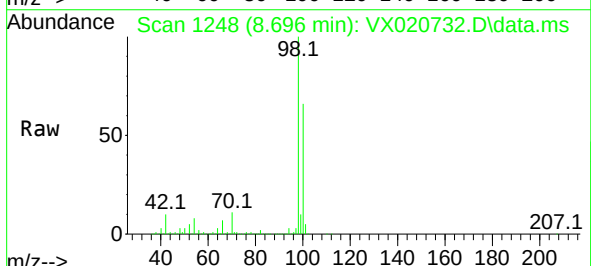
Instrument :  
MSVOA\_X  
ClientSampleID :  
41090DL



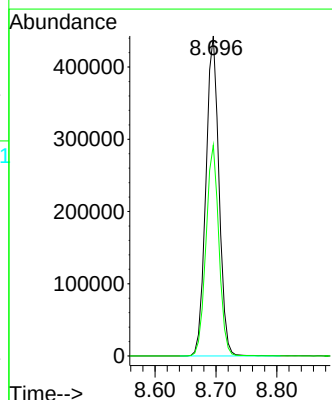
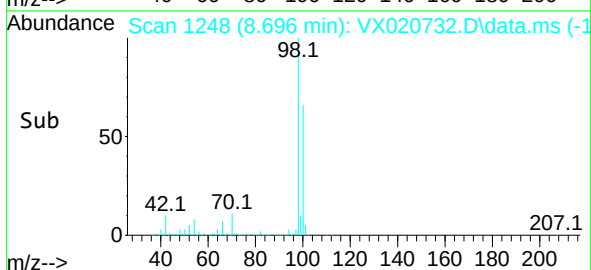
Tgt Ion:117 Resp: 31831  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.2 114.2#  
121 0.0 24.8 37.2#

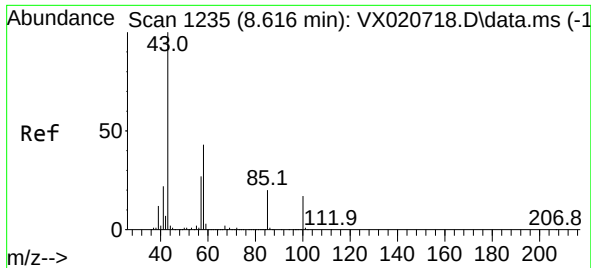


#50  
Toluene-d8  
Concen: 49.91 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. -0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09



Tgt Ion: 98 Resp: 662280  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9

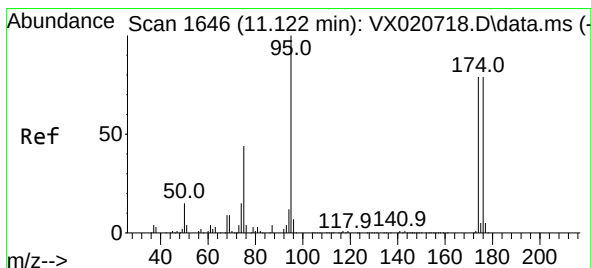
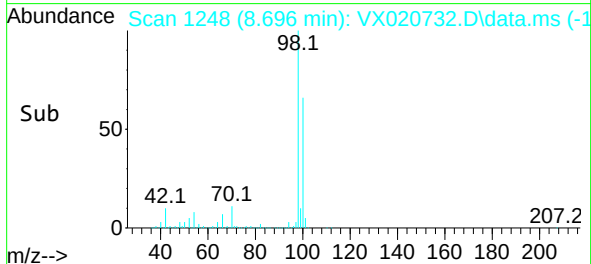
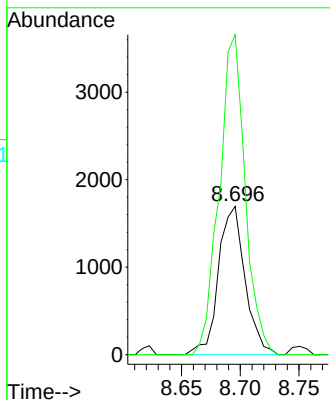
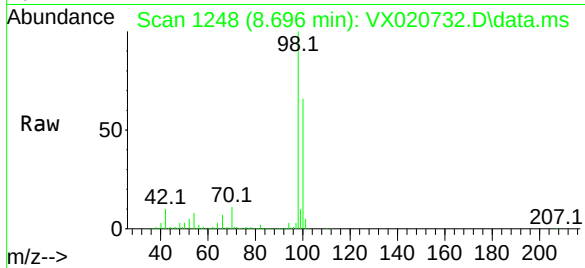




#51  
4-Methyl-2-Pentanone  
Concen: 0.53 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.080 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

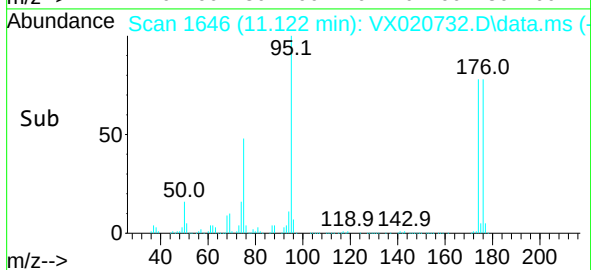
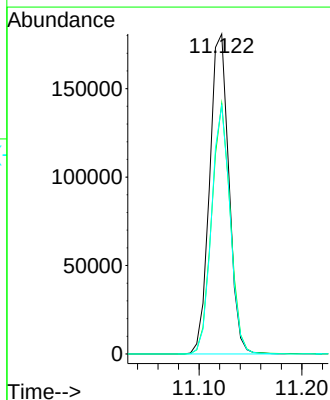
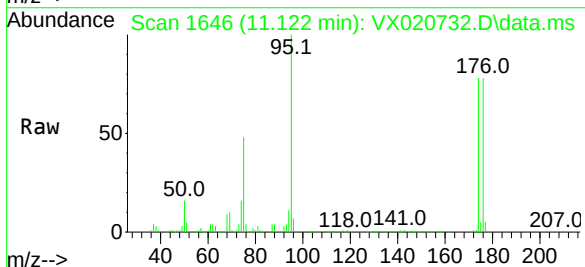
Instrument :  
MSVOA\_X  
ClientSampled :  
41090DL

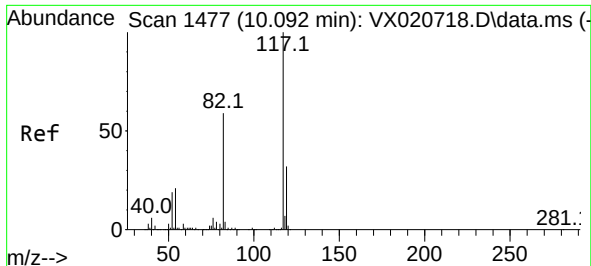
Tgt Ion: 43 Resp: 2678  
Ion Ratio Lower Upper  
43 100  
58 210.0 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 45.68 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Tgt Ion: 95 Resp: 235425  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 154.6  
176 75.0 0.0 155.8

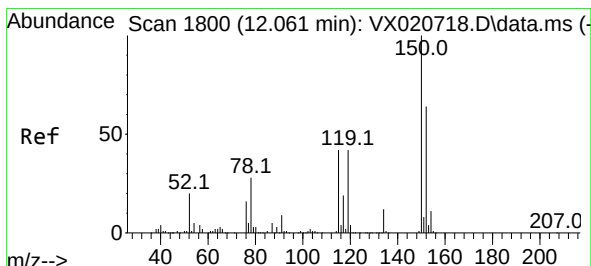
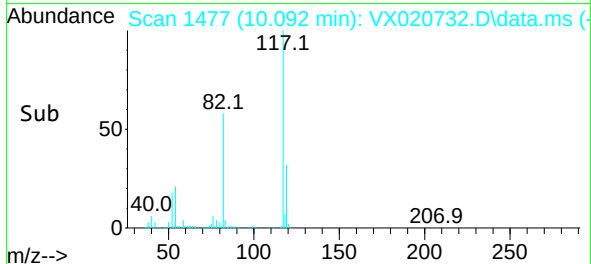
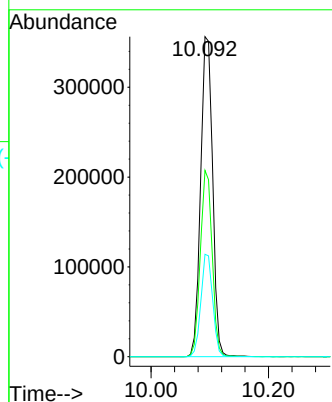
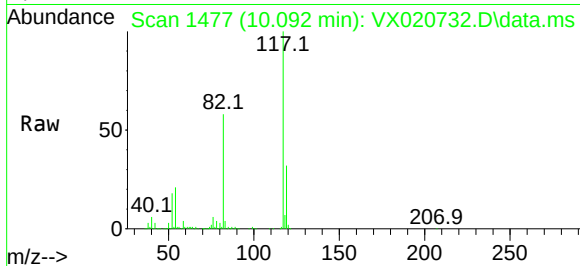




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. -0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

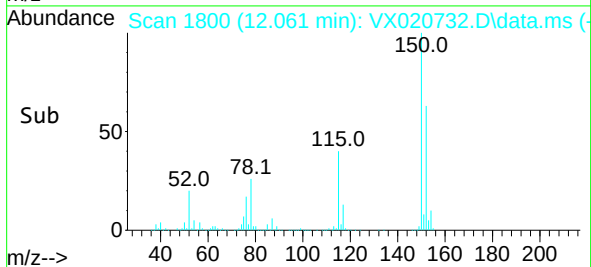
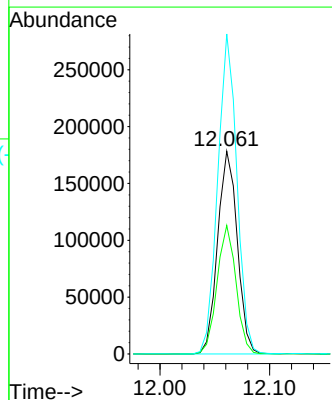
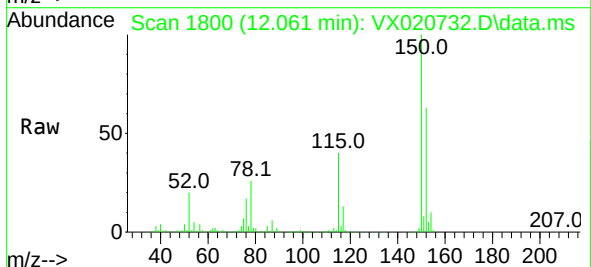
Instrument :  
MSVOA\_X  
ClientSampled :  
41090DL

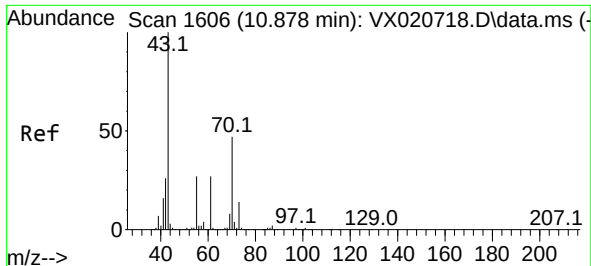
Tgt Ion:117 Resp: 505435  
Ion Ratio Lower Upper  
117 100  
82 58.2 47.4 71.2  
119 32.0 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Tgt Ion:152 Resp: 222982  
Ion Ratio Lower Upper  
152 100  
115 61.1 41.1 123.3  
150 153.9 0.0 349.0

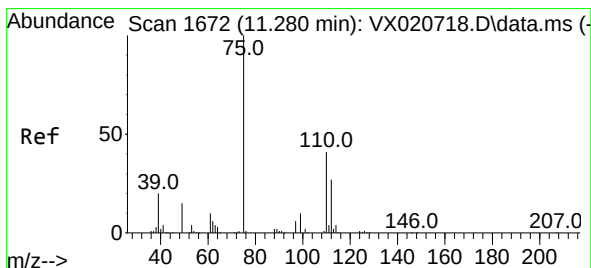
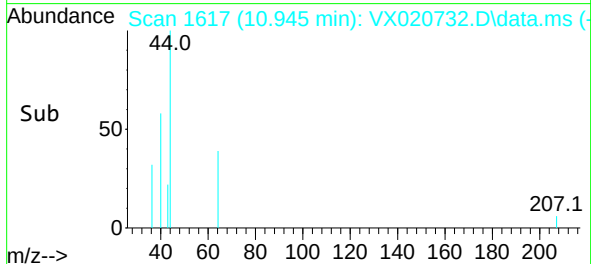
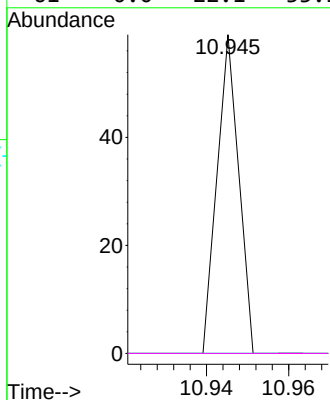
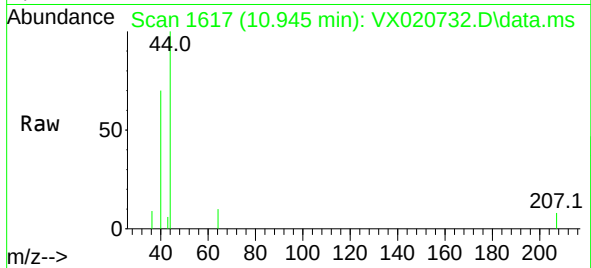




#74  
N-amy1 acetate  
Concen: 2.02 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. 0.067 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

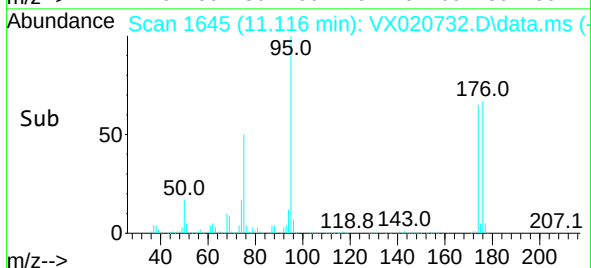
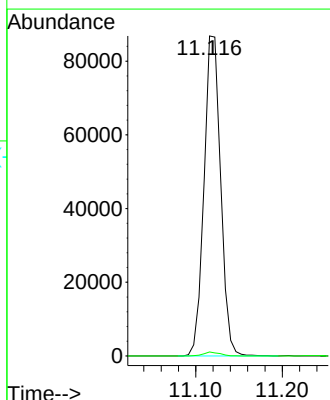
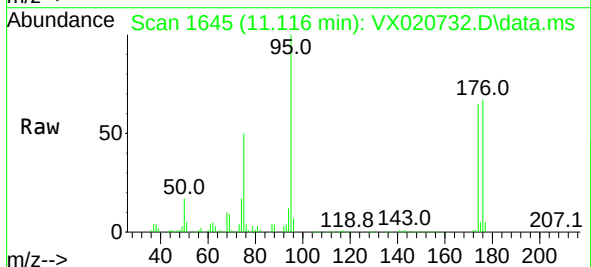
Instrument :  
MSVOA\_X  
ClientSampleId :  
41090DL

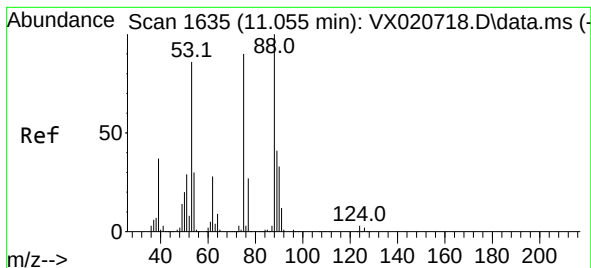
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 22    |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 0.0      | 39.0 58.6#  |
| 55 0.0      | 21.5 32.3#  |
| 61 0.0      | 22.1 33.1#  |



#76  
1,2,3-Trichloropropane  
Concen: 22.45 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.164 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

|             |              |
|-------------|--------------|
| Tgt Ion: 75 | Resp: 116092 |
| Ion Ratio   | Lower Upper  |
| 75 100      |              |
| 77 1.2      | 19.1 57.5#   |

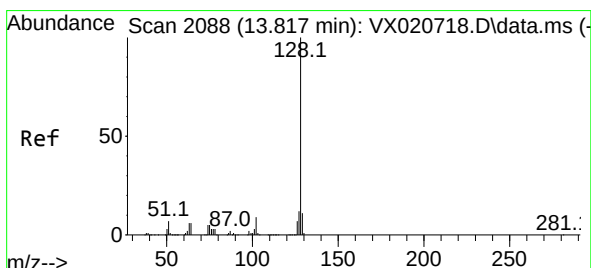
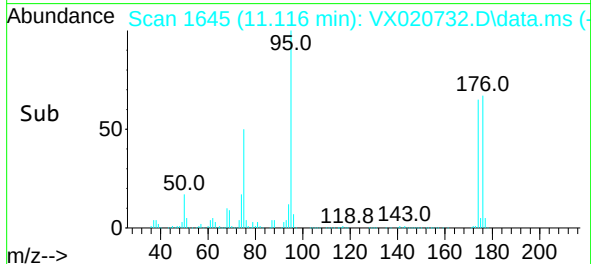
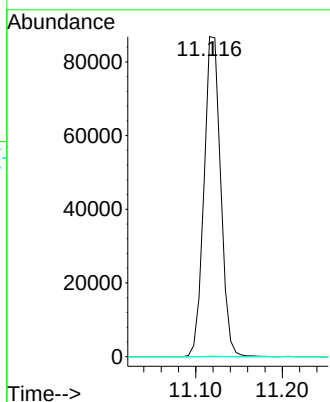
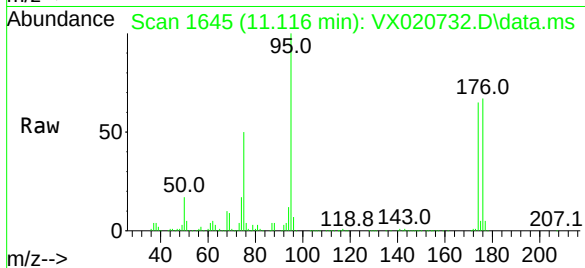




#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.90 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. 0.061 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
41090DL

Tgt Ion: 75 Resp: 116092  
Ion Ratio Lower Upper  
75 100  
53 0.2 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 2.92 ug/l  
RT: 13.817 min Scan# 2088  
Delta R.T. -0.000 min  
Lab File: VX020732.D  
Acq: 25 Jan 2021 18:09

Tgt Ion: 128 Resp: 774  
Ion Ratio Lower Upper  
128 100  
127 16.7 10.3 15.5#  
129 7.8 8.8 13.2#

