

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050819\  
 Data File : VX009402.D  
 Acq On : 08 May 2019 16:44  
 Operator : JC/SP  
 Sample : K2641-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-050719-C

Quant Time: May 09 06:31:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 03:31:13 2019  
 Response via : Initial Calibration

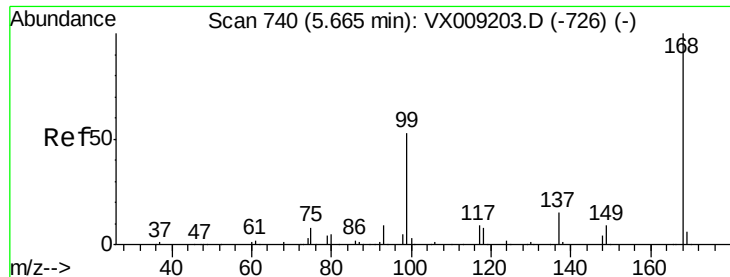
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 179306   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 287883   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 252251   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 104626   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 117405   | 47.96 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.92% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 87940    | 48.59 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.18% |          |
| 50) Toluene-d8              | 8.71  | 98   | 363445   | 49.74 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.48% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 118668   | 44.70 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.40% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.64  | 94   | 636      | 0.482     | ug/l # | 48     |
| 6) Chloroethane                | 1.65  | 64   | 4029     | 2.853     | ug/l # | 70     |
| 10) Methyl Iodide              | 2.51  | 142  | 102      | 4.641     | ug/l # | 42     |
| 11) Tert butyl alcohol         | 3.04  | 59   | 671      | 1.184     | ug/l # | 81     |
| 13) Acrolein                   | 2.30  | 56   | 297      | 0.579     | ug/l # | 57     |
| 16) Acetone                    | 2.45  | 43   | 17820    | 13.558    | ug/l   | 97     |
| 18) Methyl Acetate             | 2.78  | 43   | 5425     | 1.736     | ug/l   | 91     |
| 20) Methylene Chloride         | 2.85  | 84   | 43452    | 20.418    | ug/l   | 96     |
| 25) 2-Butanone                 | 4.69  | 43   | 2355     | 1.153     | ug/l # | 75     |
| 28) Bromochloromethane         | 5.03  | 49   | 47       | Below Cal | #      | 20     |
| 29) Tetrahydrofuran            | 5.16  | 42   | 1681     | 1.279     | ug/l   | 91     |
| 30) Chloroform                 | 5.21  | 83   | 1615     | 0.459     | ug/l   | 87     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 13933    | 5.208     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 16750    | 6.891     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 6.45  | 43   | 11470    | 1.924     | ug/l   | 98     |
| 47) Bromodichloromethane       | 7.90  | 83   | 575      | 0.212     | ug/l # | 77     |
| 48) Methyl methacrylate        | 7.68  | 41   | 7503     | 2.536     | ug/l # | 18     |
| 49) 1,4-Dioxane                | 7.85  | 88   | 21       | 0.350     | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 83019    | 21.303    | ug/l # | 51     |
| 54) cis-1,3-Dichloropropene    | 8.62  | 75   | 36476    | 10.748    | ug/l # | 59     |
| 57) 1,3-Dichloropropane        | 9.54  | 76   | 8227     | 2.277     | ug/l # | 43     |
| 59) 2-Hexanone                 | 9.44  | 43   | 12096    | 3.952     | ug/l # | 26     |
| 68) m/p-Xylenes                | 10.36 | 106  | 1126     | 0.332     | ug/l   | 94     |
| 69) o-Xylene                   | 10.70 | 106  | 698      | 0.208     | ug/l   | 97     |
| 74) N-amyl acetate             | 10.69 | 43   | 12235    | 2.758     | ug/l # | 57     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 59452    | 24.497    | ug/l # | 34     |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 1126     | 0.210     | ug/l   | 84     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 2510     | 0.392     | ug/l   | 94     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 59452    | 62.678    | ug/l # | 10     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 4876     | 0.758     | ug/l   | 98     |
| 95) Naphthalene                | 13.83 | 128  | 68505    | 8.980     | ug/l   | 99     |

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

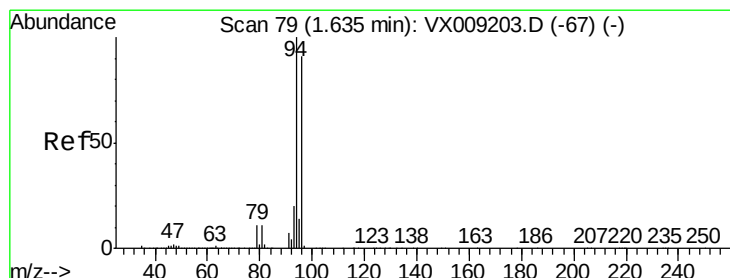
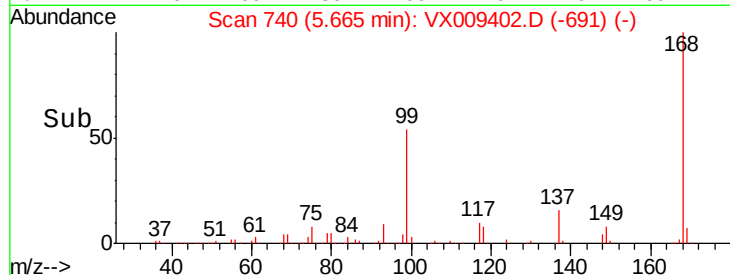
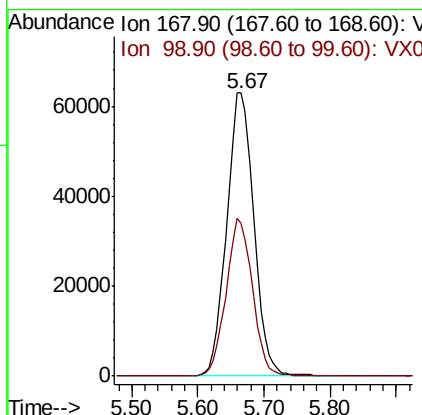
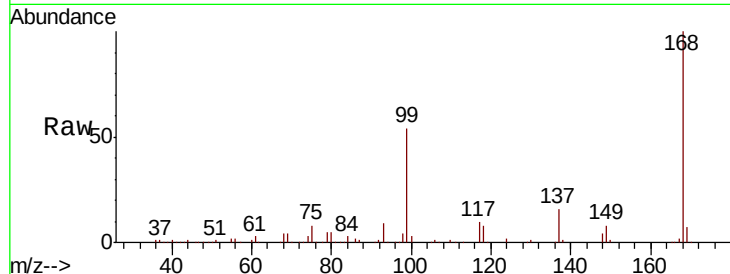




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

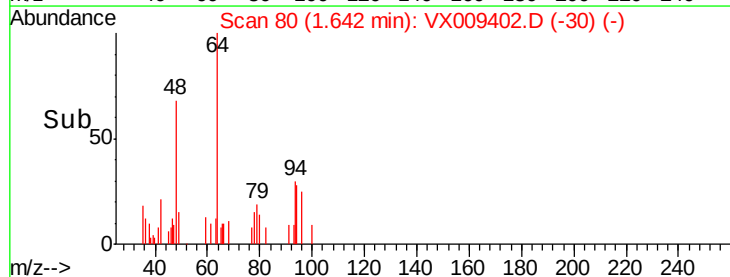
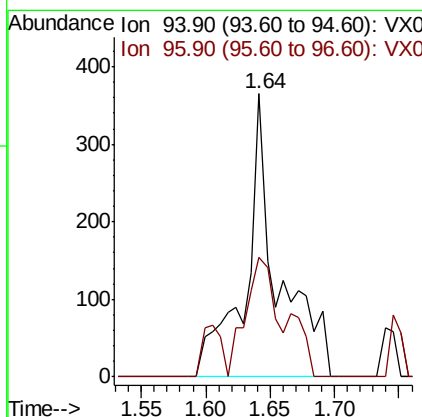
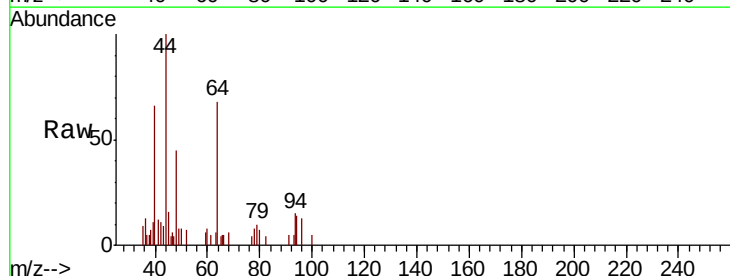
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

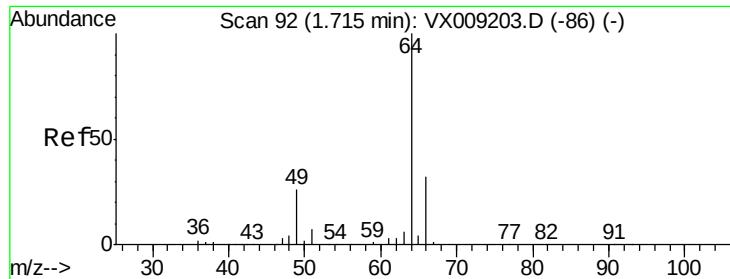
Tot Ion:168 Resp: 179306  
Ion Ratio Lower Upper  
168 100  
99 54.1 42.3 63.5



#5  
Bromomethane  
Concen: 0.482 ug/l  
RT: 1.64 min Scan# 80  
Delta R.T. 0.01 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion: 94 Resp: 636  
Ion Ratio Lower Upper  
94 100  
96 42.2 73.0 109.6#





#6

Chloroethane

Concen: 2.853 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

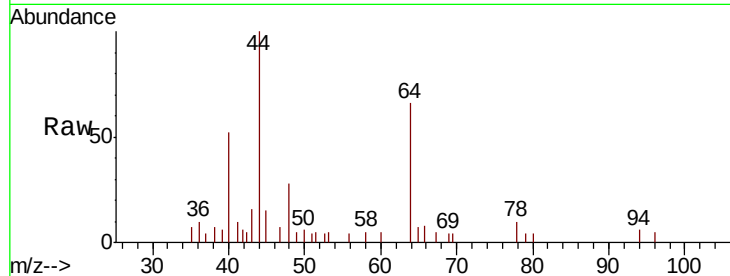
CL-02-050719-C

Tot Ion: 64 Resp: 4029

Ion Ratio Lower Upper

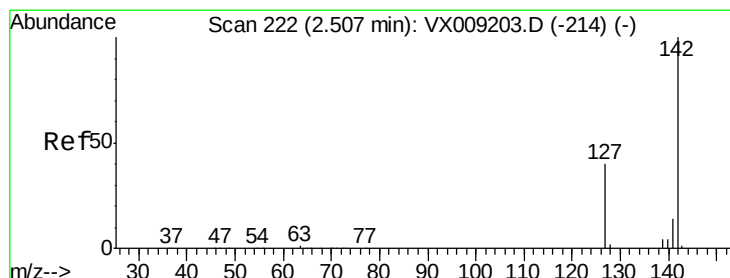
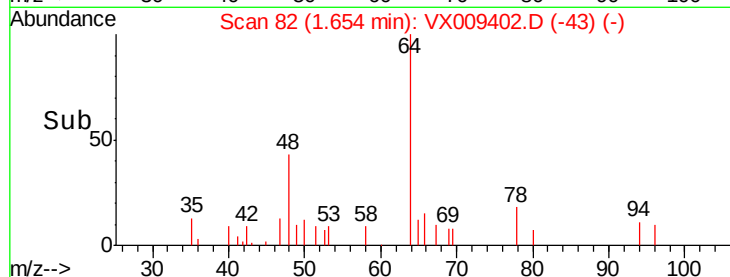
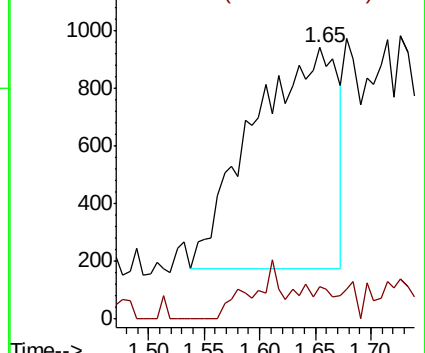
64 100

66 15.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.641 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

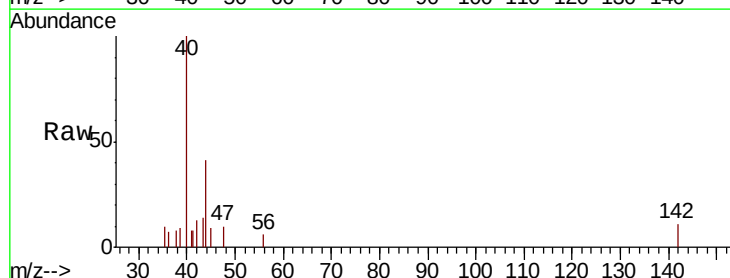
Tgt Ion: 142 Resp: 102

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

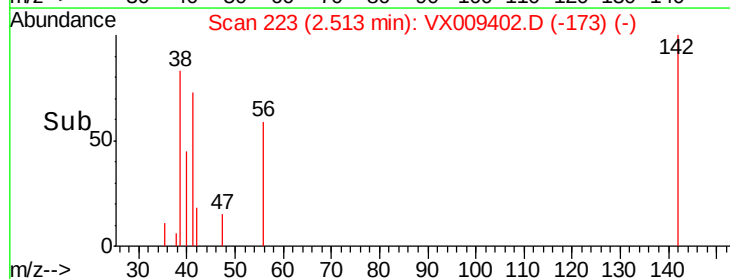
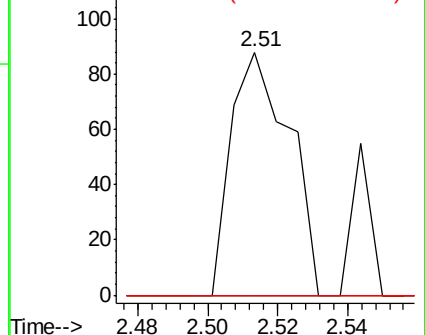
141 0.0 11.5 17.3#

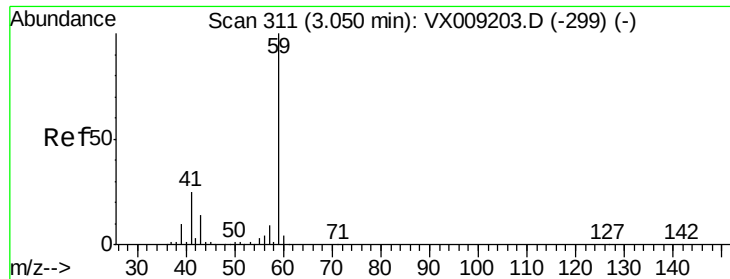


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



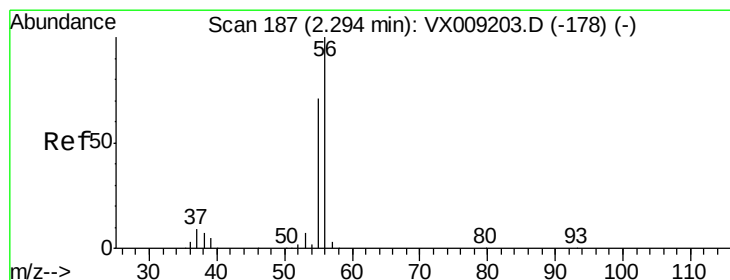
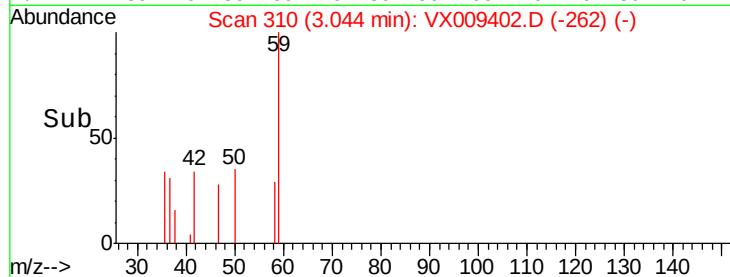
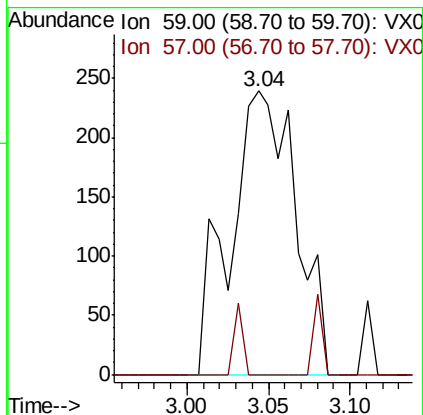
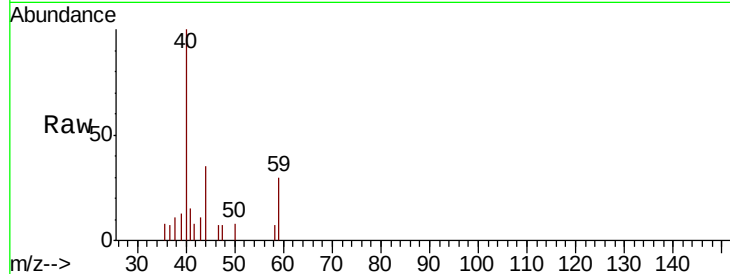


#11

Tert butyl alcohol  
 Concen: 1.184 ug/l  
 RT: 3.04 min Scan# 310  
 Delta R.T. -0.01 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-050719-C

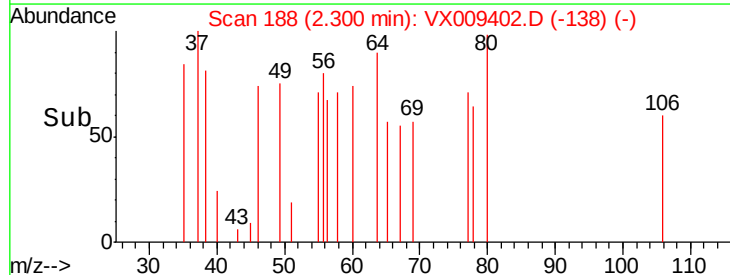
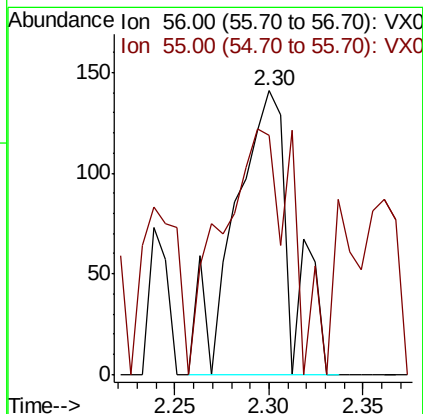
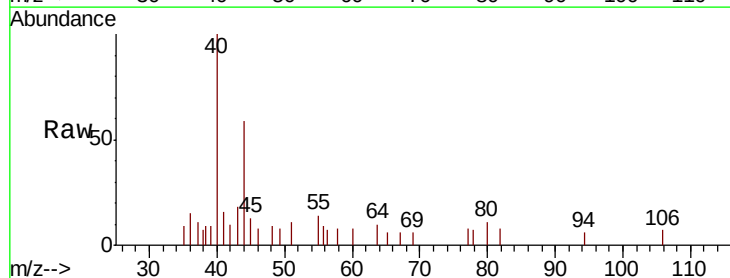
Tot Ion: 59 Resp: 671  
 Ion Ratio Lower Upper  
 59 100  
 57 3.3 8.2 12.2#

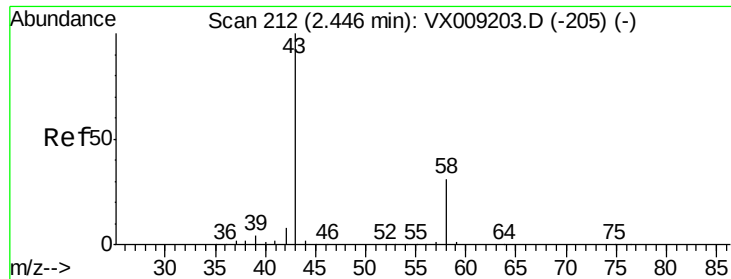


#13

Acrolein  
 Concen: 0.579 ug/l  
 RT: 2.30 min Scan# 188  
 Delta R.T. 0.01 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

Tgt Ion: 56 Resp: 297  
 Ion Ratio Lower Upper  
 56 100  
 55 106.1 56.6 85.0#





#16

Acetone

Concen: 13.558 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

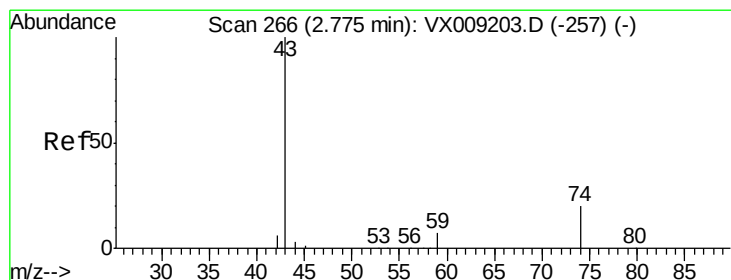
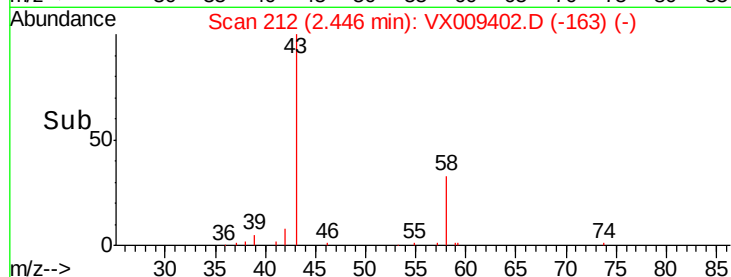
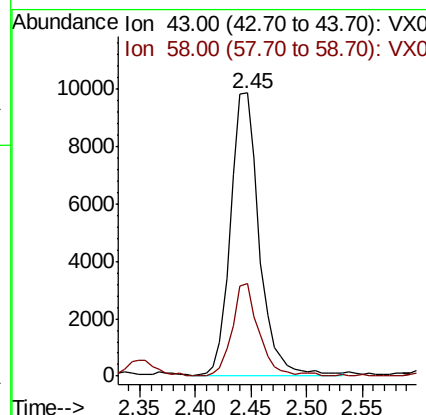
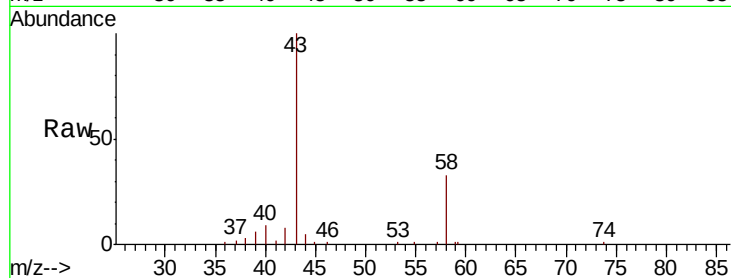
CL-02-050719-C

Tot Ion: 43 Resp: 17820

Ion Ratio Lower Upper

43 100

58 32.7 24.9 37.3



#18

Methyl Acetate

Concen: 1.736 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009402.D

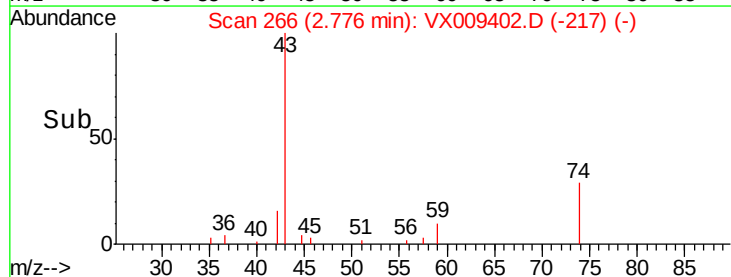
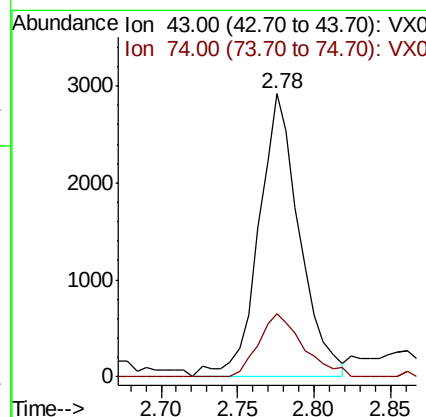
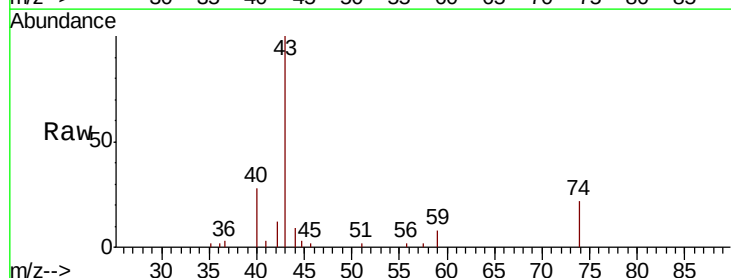
Acq: 08 May 2019 16:44

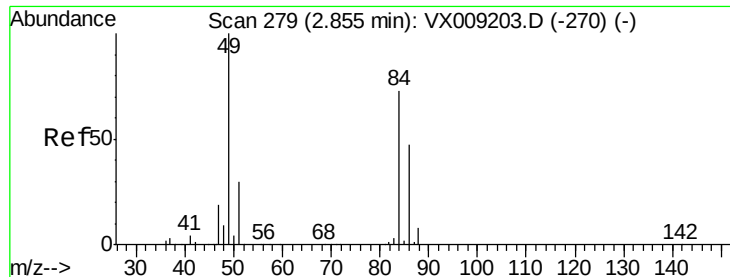
Tgt Ion: 43 Resp: 5425

Ion Ratio Lower Upper

43 100

74 24.3 16.2 24.4

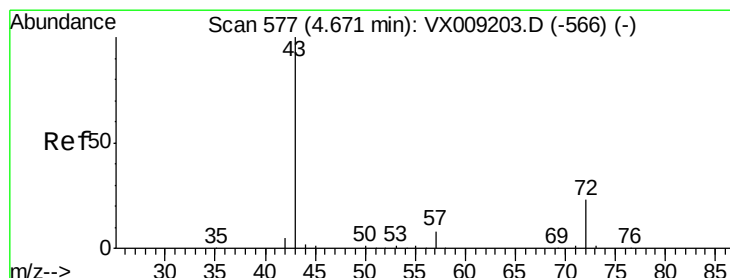
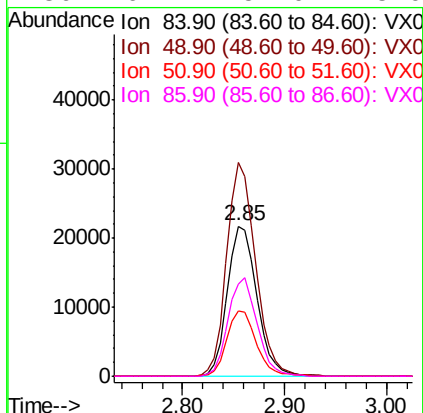
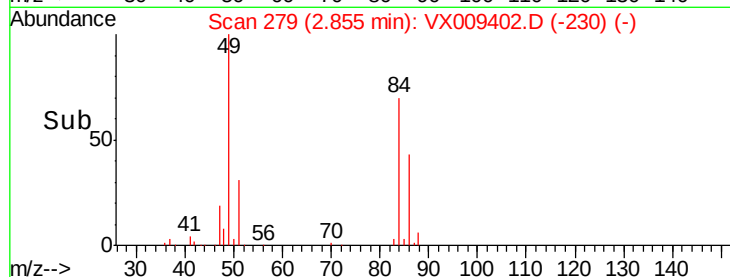
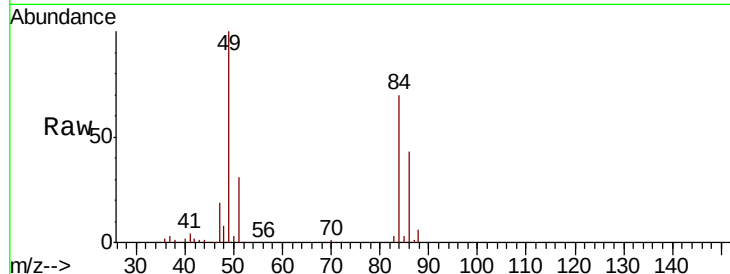




#20  
Methvlene Chloride  
Concen: 20.418 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

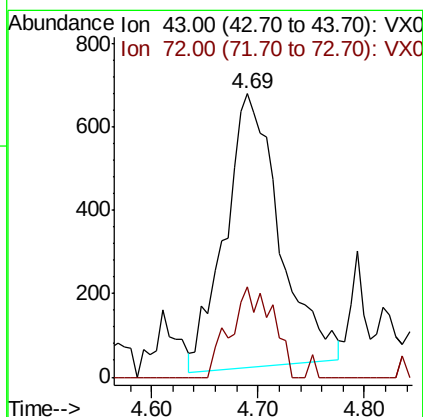
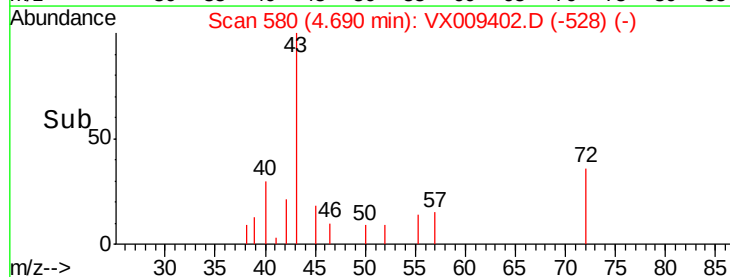
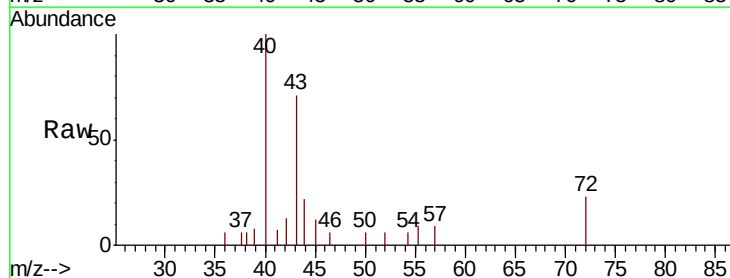
Instrument :  
MSVOA\_X  
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CL-02-050719-C

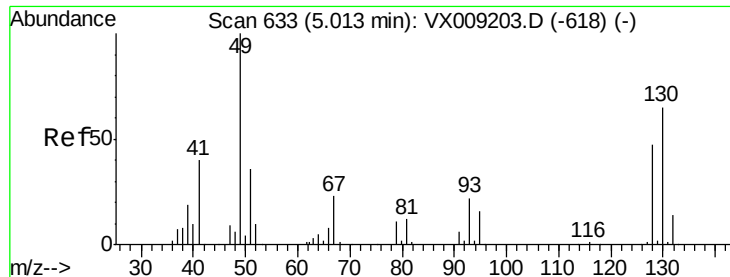
Tot Ion: 84 Resp: 43452  
Ion Ratio Lower Upper  
84 100  
49 142.1 109.9 164.9  
51 43.4 32.7 49.1  
86 61.4 52.0 78.0



#25  
2-Butanone  
Concen: 1.153 ug/l  
RT: 4.69 min Scan# 580  
Delta R.T. 0.02 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion: 43 Resp: 2355  
Ion Ratio Lower Upper  
43 100  
72 34.9 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-050719-C

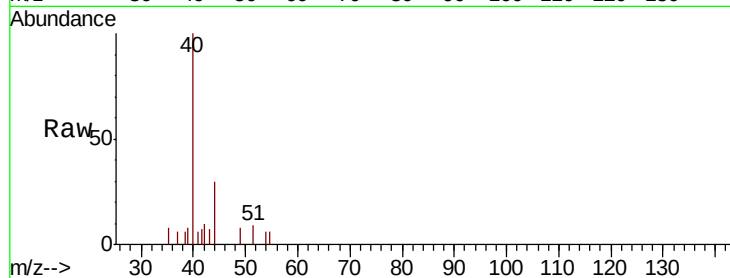
Tot Ion: 49 Resp: 47

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

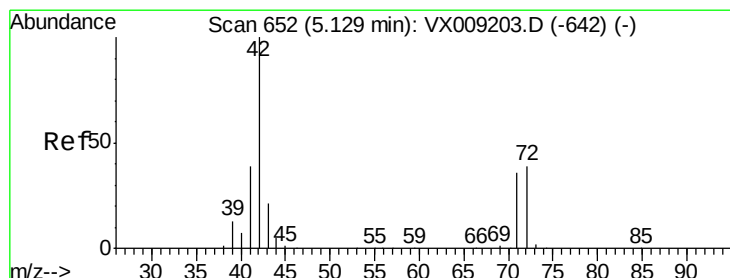
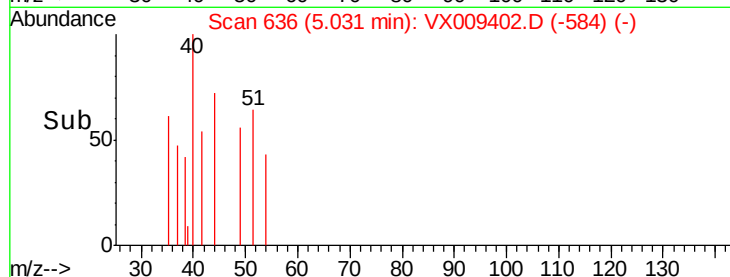
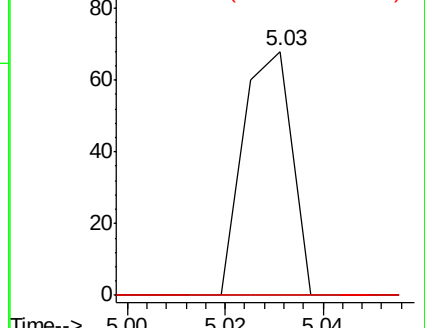
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.279 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

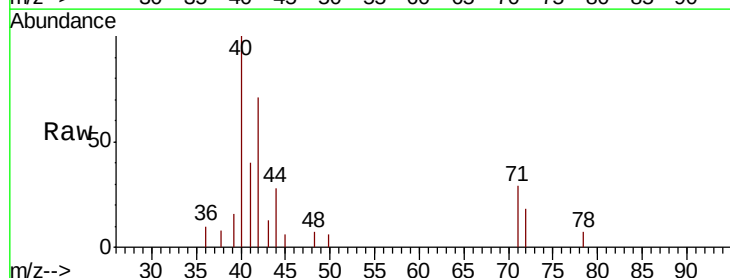
Tgt Ion: 42 Resp: 1681

Ion Ratio Lower Upper

42 100

72 41.6 30.4 45.6

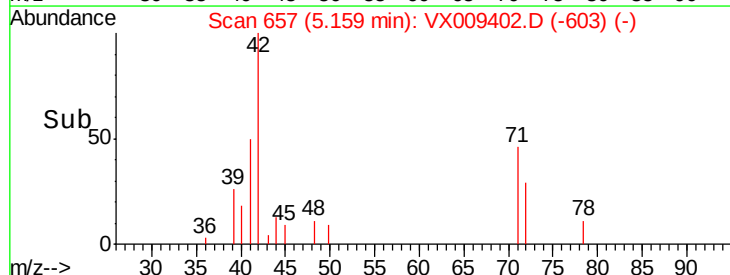
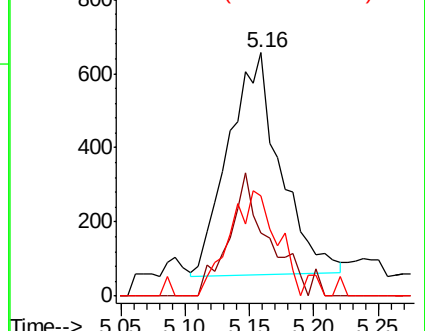
71 42.8 28.6 43.0



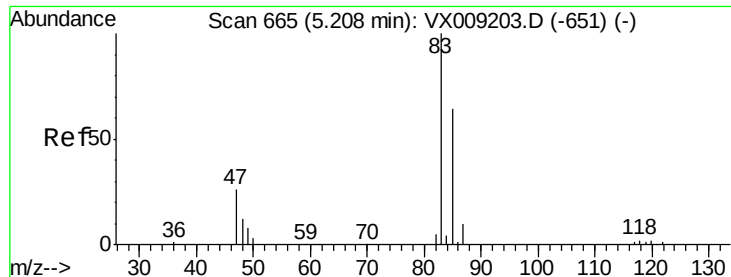
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0







#30

Chloroform

Concen: 0.459 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

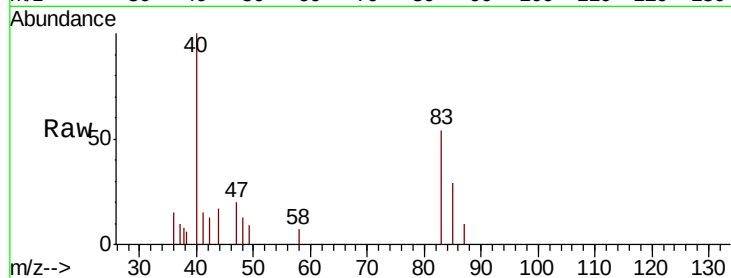
CL-02-050719-C

Tot Ion: 83 Resp: 1615

Ion Ratio Lower Upper

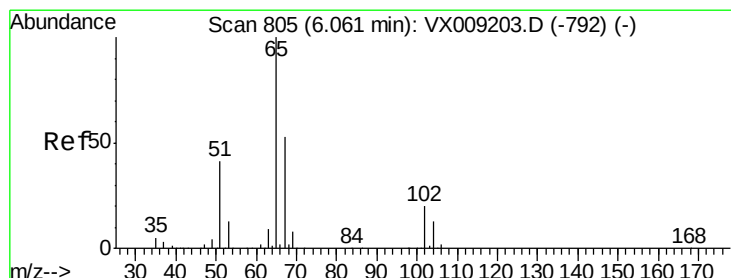
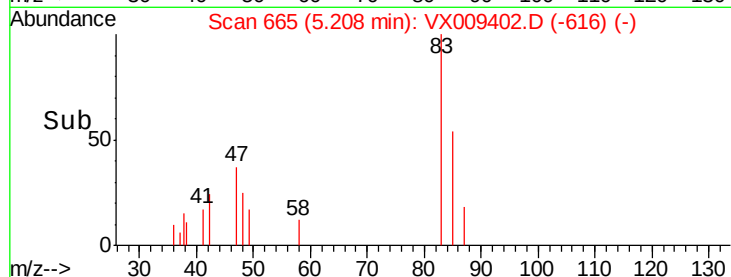
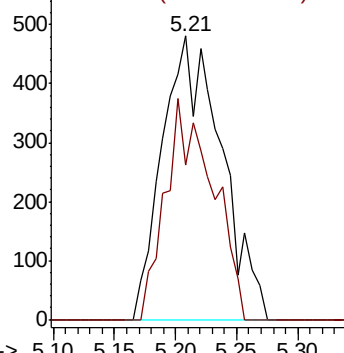
83 100

85 54.5 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.965 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009402.D

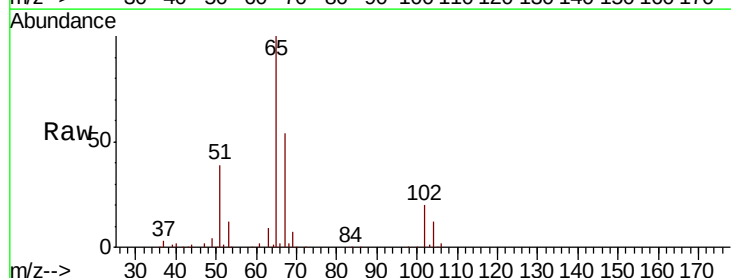
Acq: 08 May 2019 16:44

Tgt Ion: 65 Resp: 117405

Ion Ratio Lower Upper

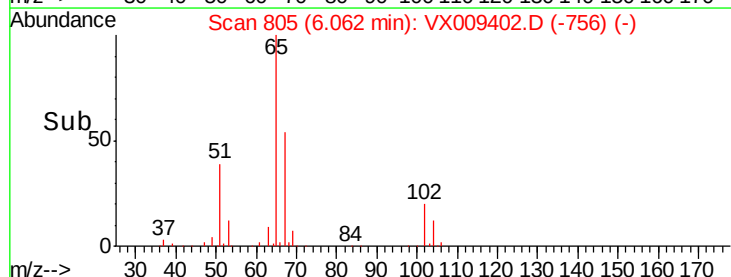
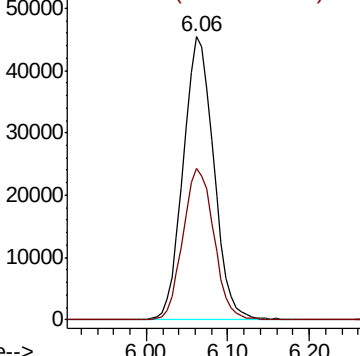
65 100

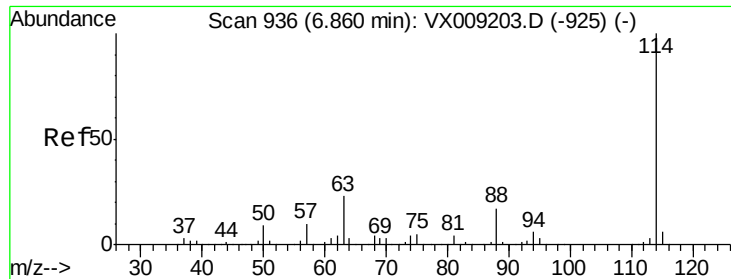
67 54.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

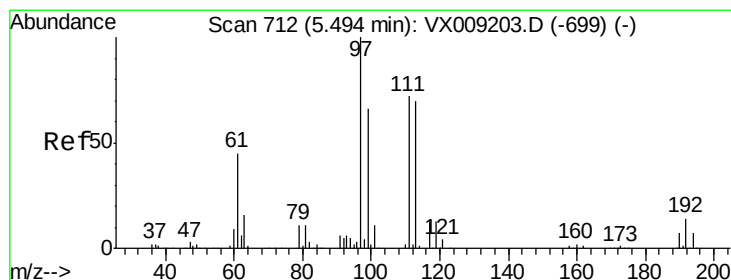
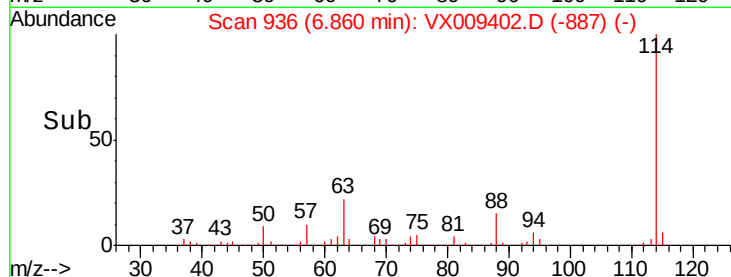
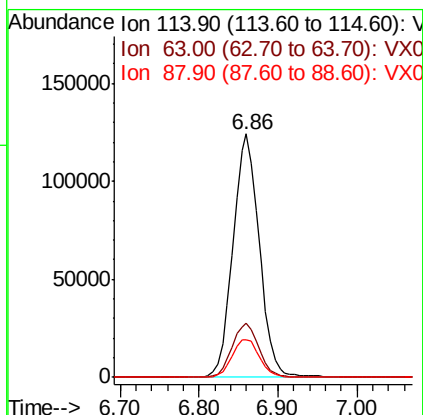
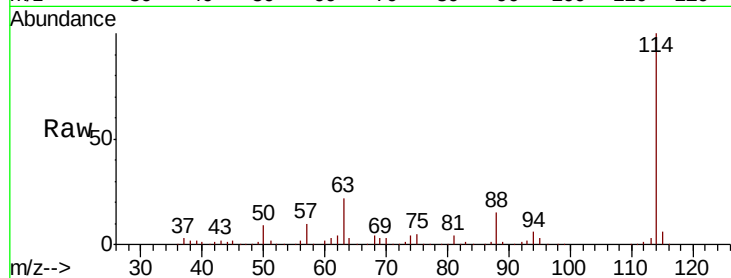




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

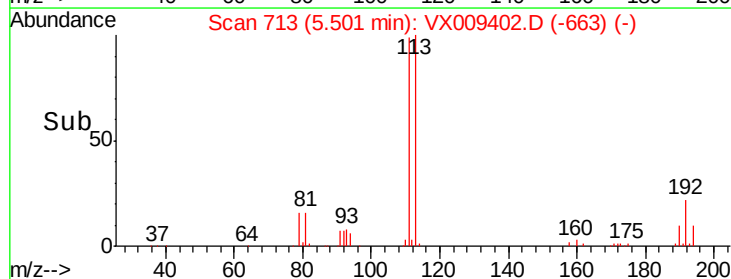
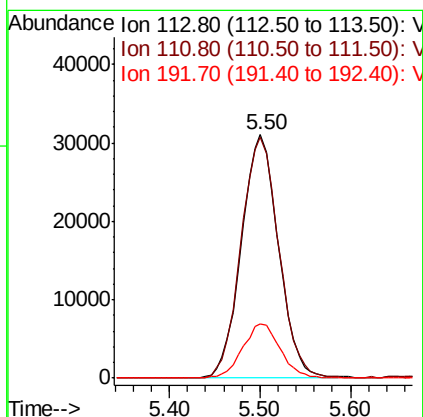
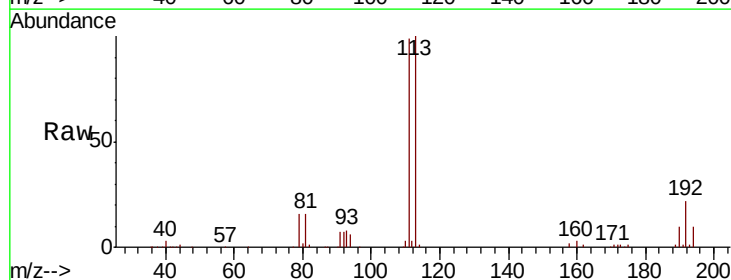
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-050719-C

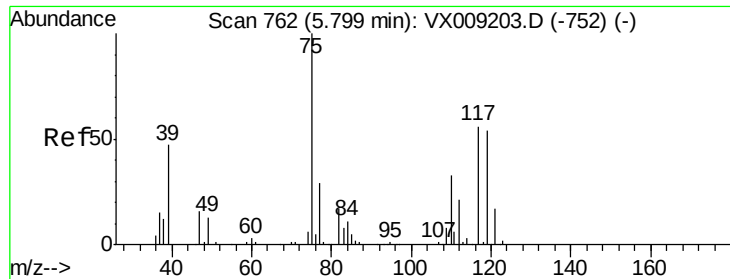
Tot Ion:114 Resp: 287883  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 45.6  
 88 15.4 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 48.592 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

Tgt Ion:113 Resp: 87940  
 Ion Ratio Lower Upper  
 113 100  
 111 100.8 82.8 124.2  
 192 22.4 17.0 25.6

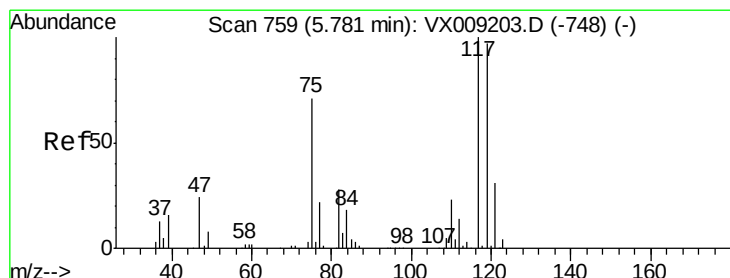
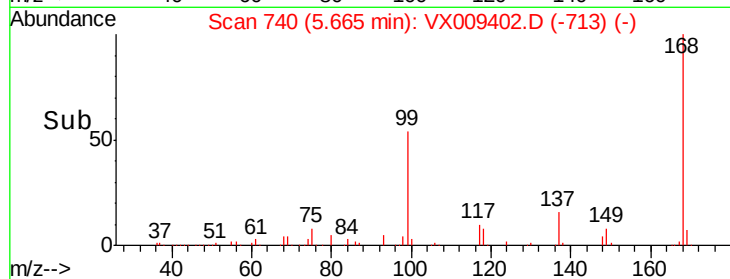
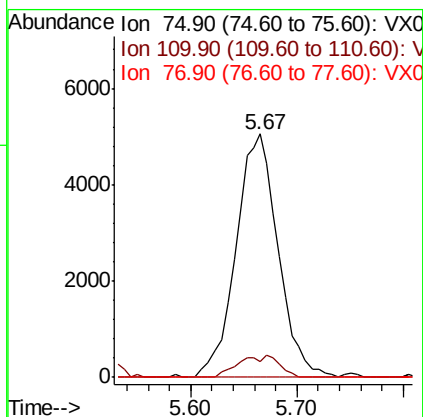
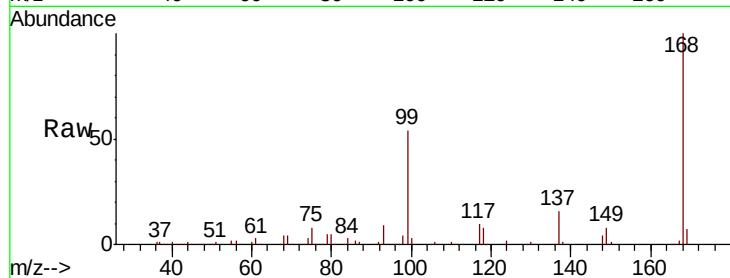




#36  
 1,1-Dichloropropene  
 Concen: 5.208 ug/l  
 RT: 5.67 min Scan# 740  
 Delta R.T. -0.13 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

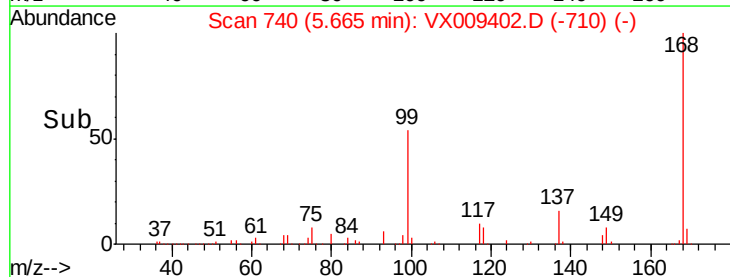
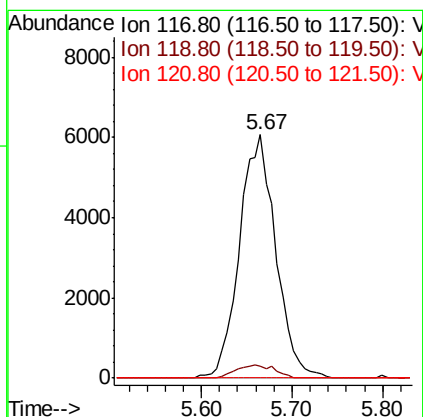
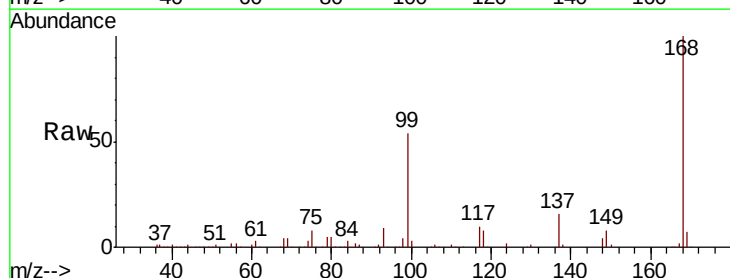
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-050719-C

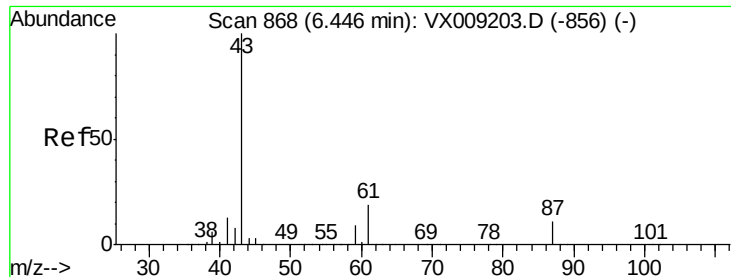
| Tot Ion   | 75  | Resp  | 13933 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 110       | 8.8 | 16.9  | 50.6# |
| 77        | 0.0 | 24.8  | 37.2# |



#38  
 Carbon Tetrachloride  
 Concen: 6.891 ug/l  
 RT: 5.67 min Scan# 740  
 Delta R.T. -0.12 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

| Tgt Ion                                              | 117 | Resp  | 16750  |
|------------------------------------------------------|-----|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100 | Lower | Upper  |
| 119                                                  | 5.1 | 77.5  | 116.3# |
| 121                                                  | 0.0 | 24.7  | 37.1#  |





#43

Isopropyl Acetate

Concen: 1.924 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-050719-C

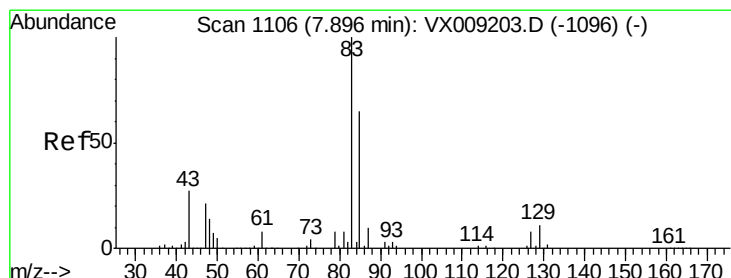
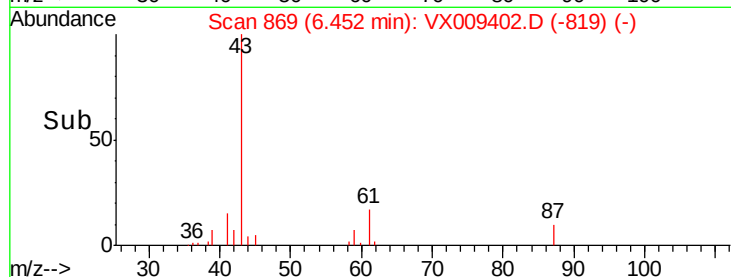
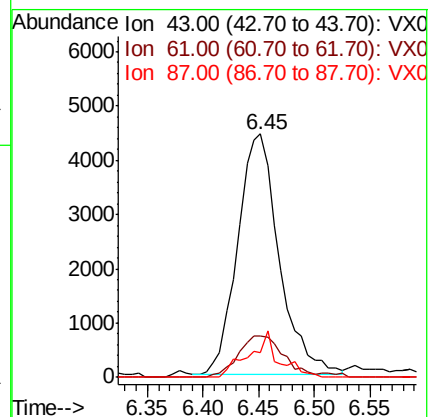
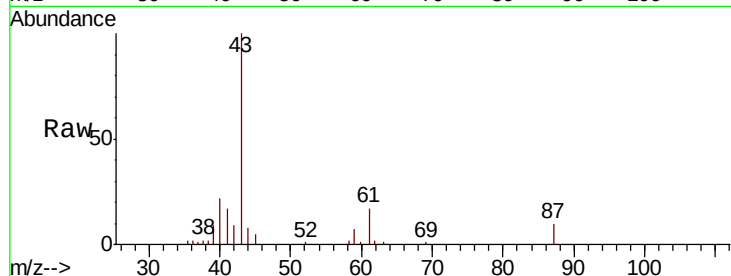
Tot Ion: 43 Resp: 11470

Ion Ratio Lower Upper

43 100

61 19.3 15.1 22.7

87 13.3 9.0 13.6



#47

Bromodichloromethane

Concen: 0.212 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

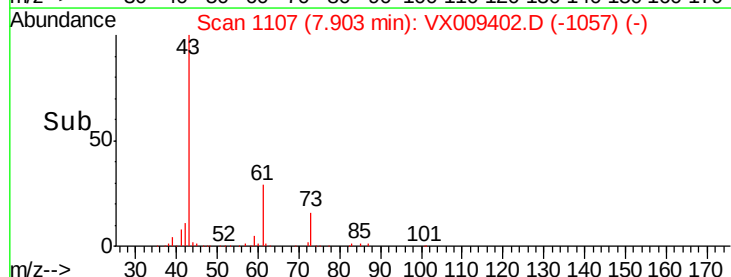
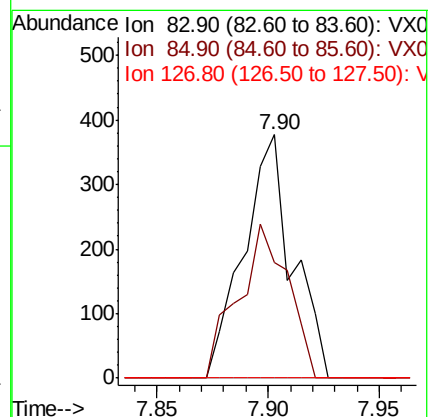
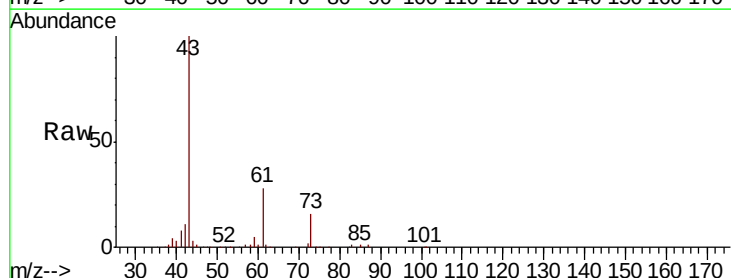
Tgt Ion: 83 Resp: 575

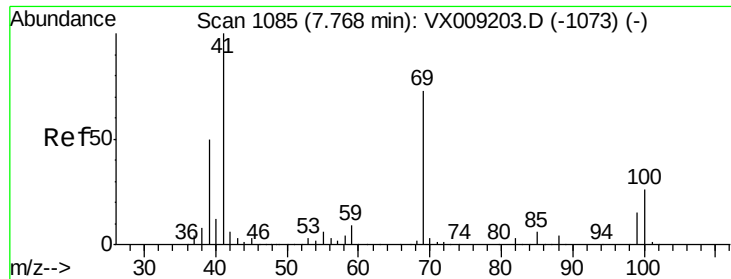
Ion Ratio Lower Upper

83 100

85 47.5 52.4 78.6#

127 0.0 6.6 10.0#

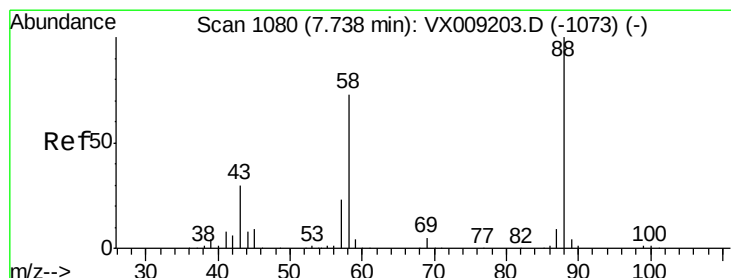
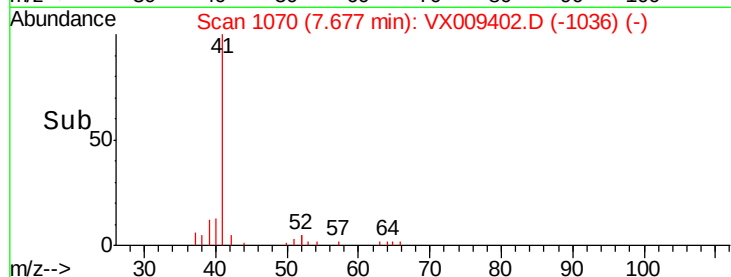
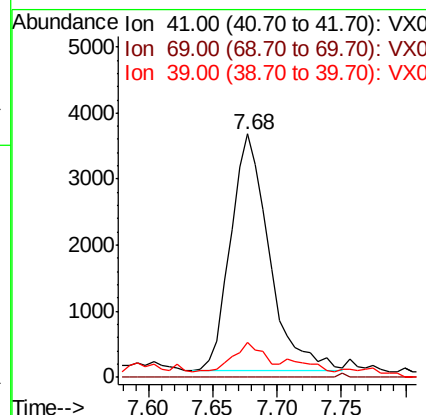
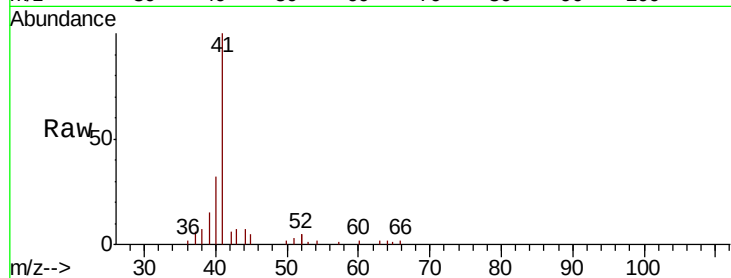




#48  
Methvl methacrylate  
Concen: 2.536 ug/l  
RT: 7.68 min Scan# 1070  
Delta R.T. -0.09 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

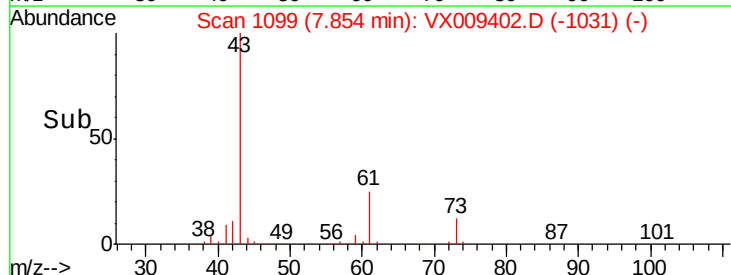
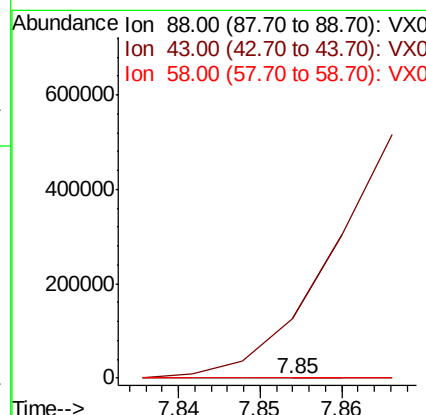
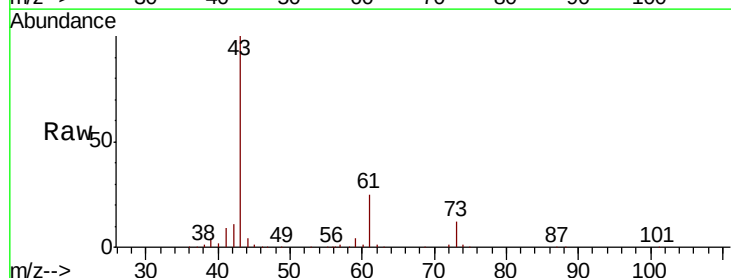
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

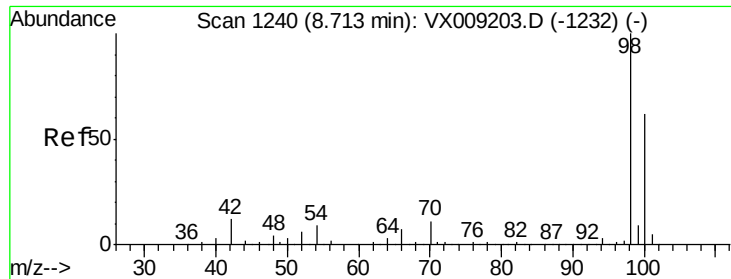
Tot Ion: 41 Resp: 7503  
Ion Ratio Lower Upper  
41 100  
69 0.0 59.1 88.7#  
39 0.0 40.4 60.6#



#49  
1,4-Dioxane  
Concen: 0.350 ug/l  
RT: 7.85 min Scan# 1099  
Delta R.T. 0.12 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion: 88 Resp: 21  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.6 42.8#  
58 0.0 61.7 92.5#

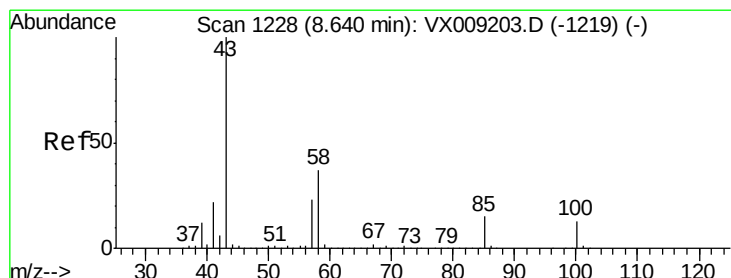
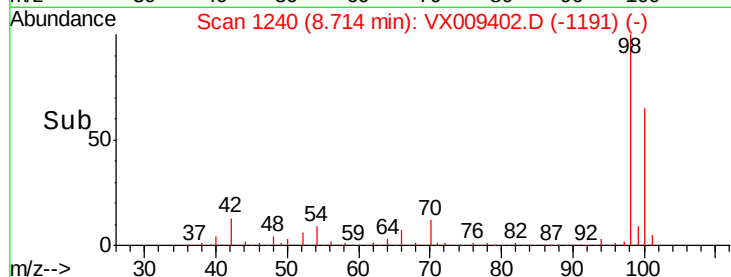
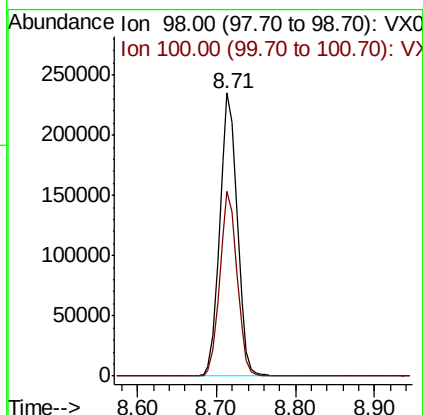
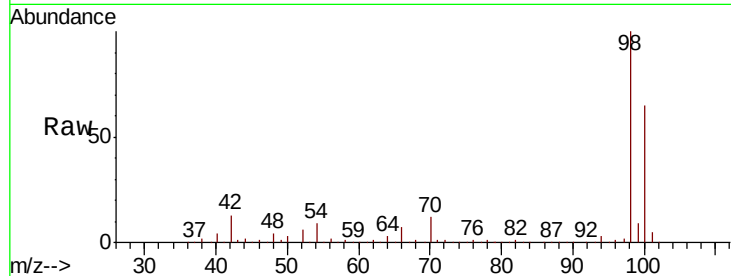




#50  
Toluene-d8  
Concen: 49.743 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

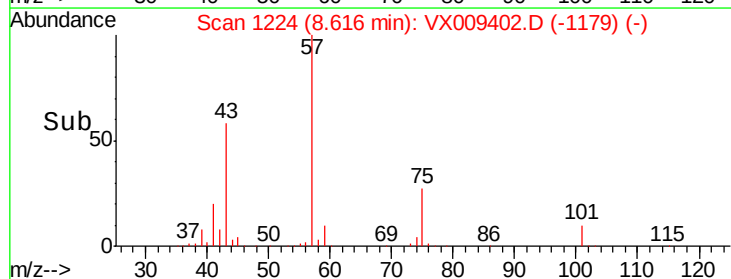
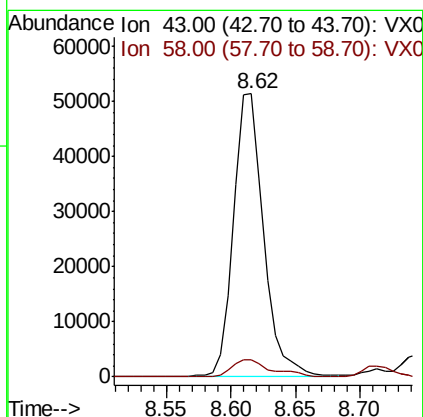
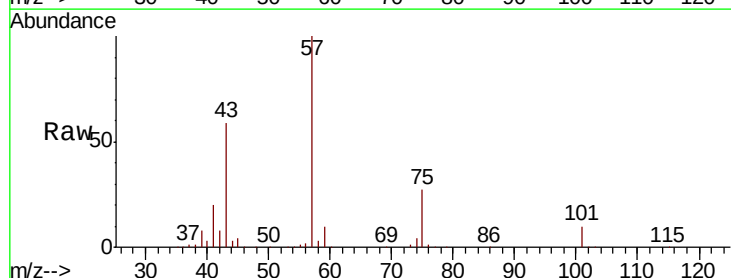
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

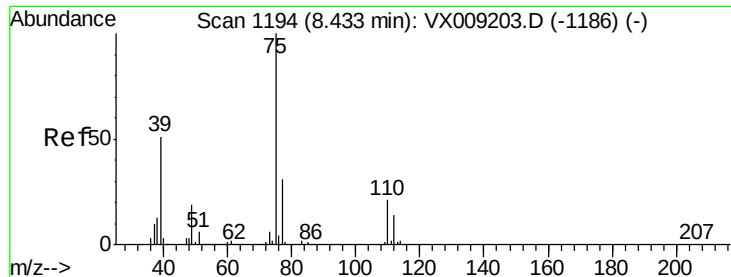
Tot Ion: 98 Resp: 363445  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.2 76.8



#51  
4-Methyl-2-Pentanone  
Concen: 21.303 ug/l  
RT: 8.62 min Scan# 1224  
Delta R.T. -0.02 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion: 43 Resp: 83019  
Ion Ratio Lower Upper  
43 100  
58 8.0 29.5 44.3#





#54

cis-1,3-Dichloropropene

Concen: 10.748 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-050719-C

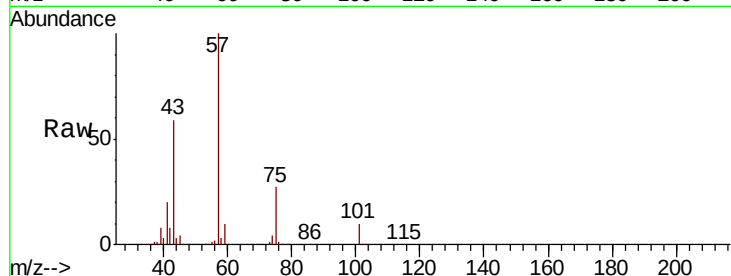
Tot Ion: 75 Resp: 36476

Ion Ratio Lower Upper

75 100

77 0.4 24.6 36.8#

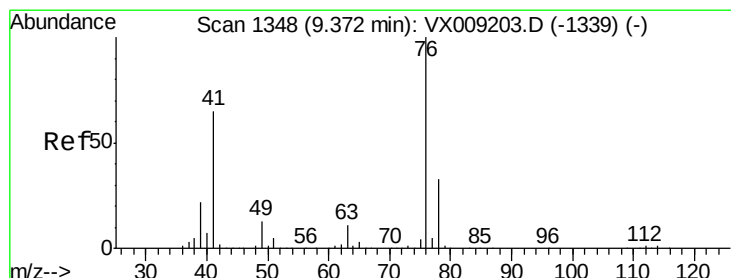
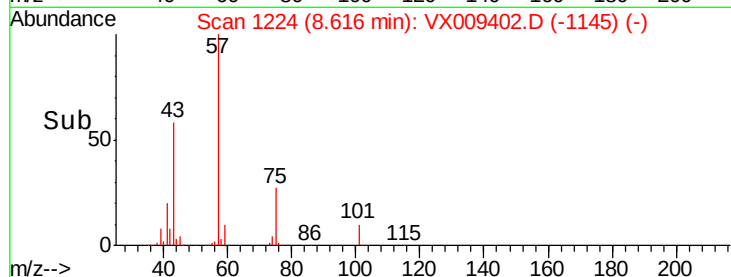
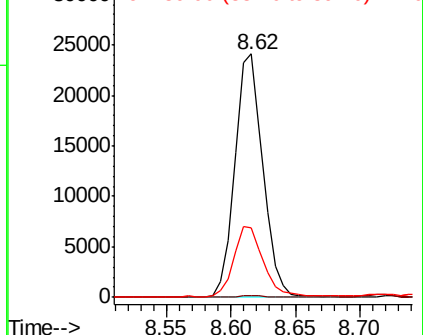
39 28.1 40.6 60.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 2.277 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX009402.D

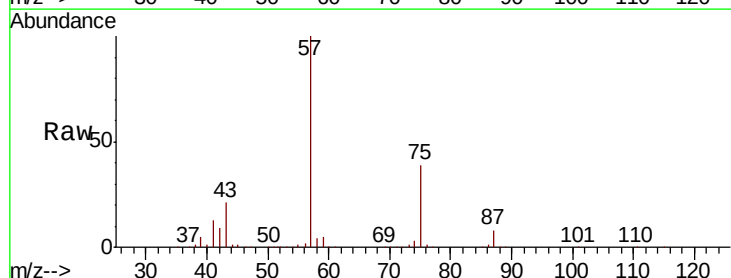
Acq: 08 May 2019 16:44

Tgt Ion: 76 Resp: 8227

Ion Ratio Lower Upper

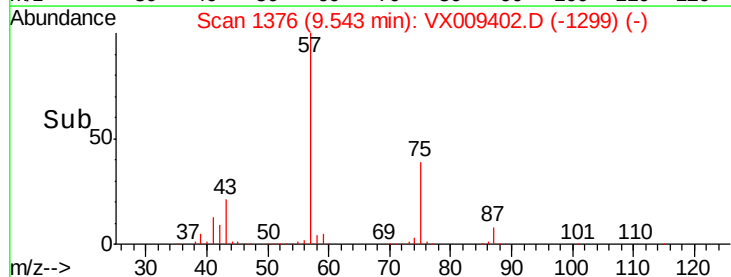
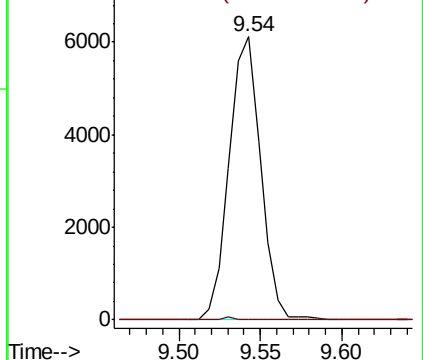
76 100

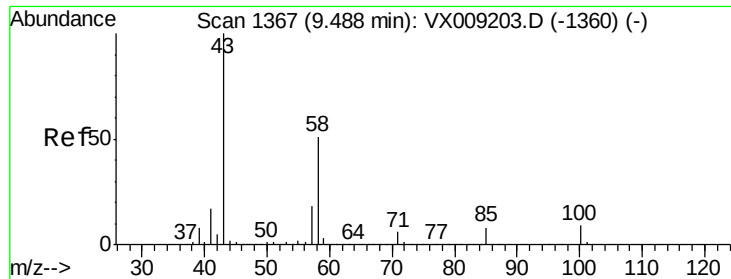
78 0.3 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

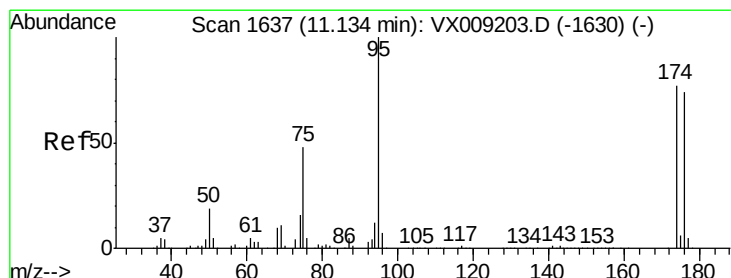
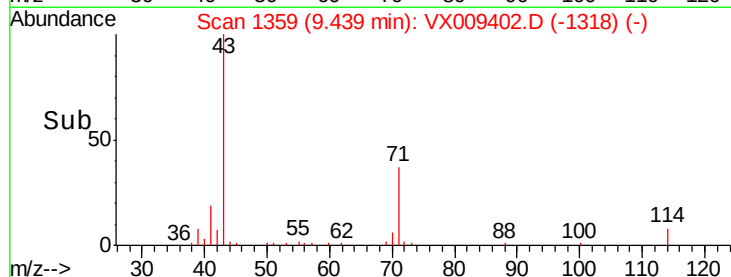
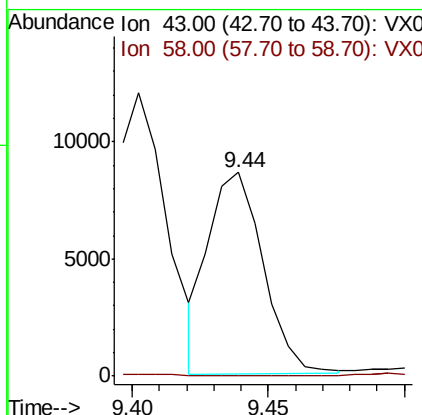
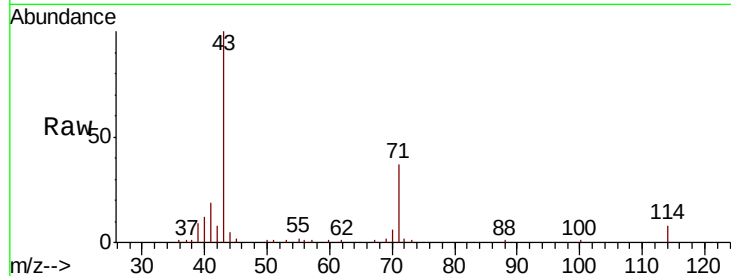




#59  
2-Hexanone  
Concen: 3.952 ug/l  
RT: 9.44 min Scan# 1359  
Delta R.T. -0.05 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

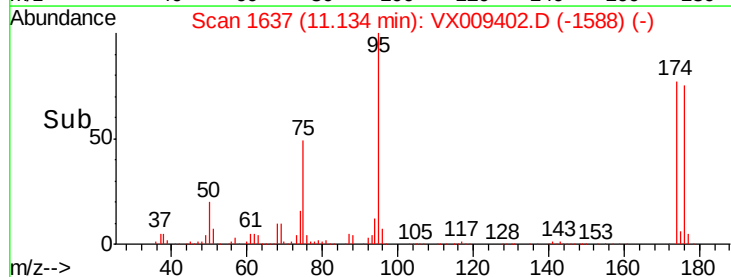
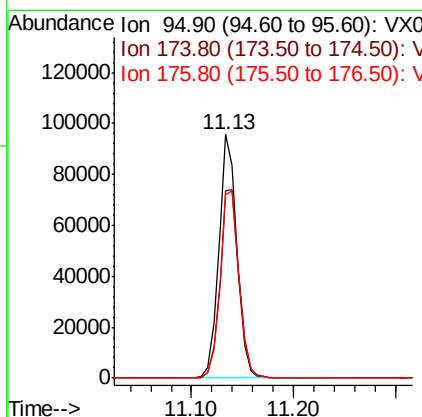
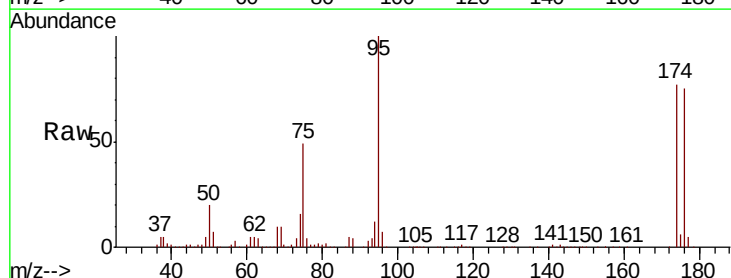
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

Tot Ion: 43 Resp: 12096  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.9 77.7#

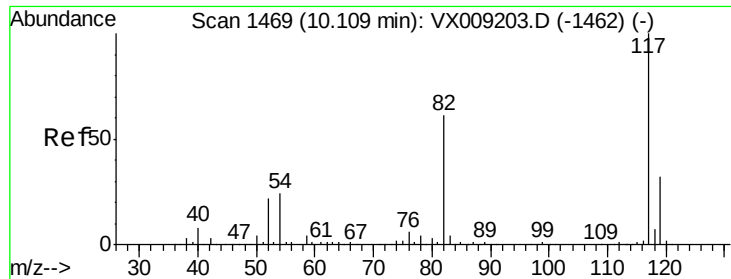


#62  
4-Bromofluorobenzene  
Concen: 44.698 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion: 95 Resp: 118668  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 161.6  
176 79.9 0.0 159.2



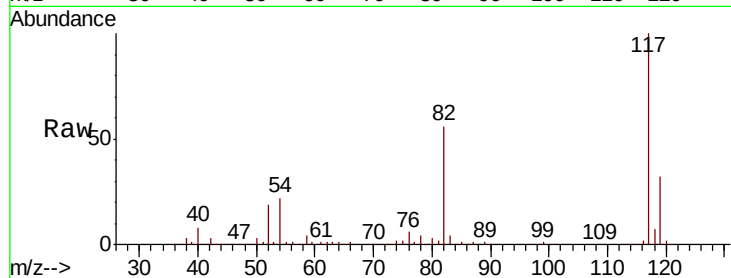




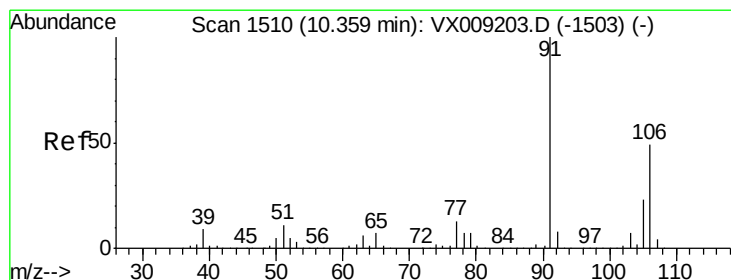
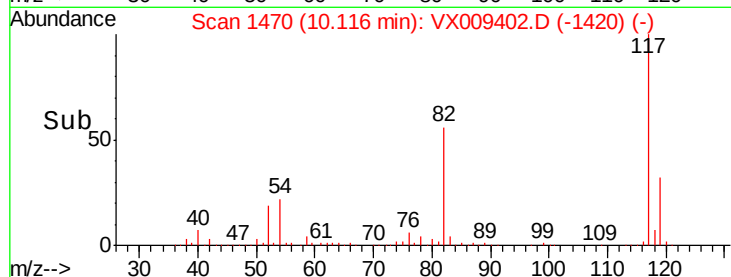
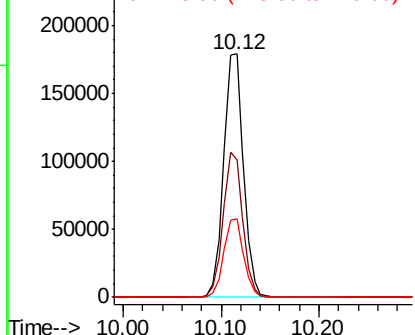
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

Tot Ion:117 Resp: 252251  
Ion Ratio Lower Upper  
117 100  
82 56.4 48.8 73.2  
119 32.1 25.8 38.6

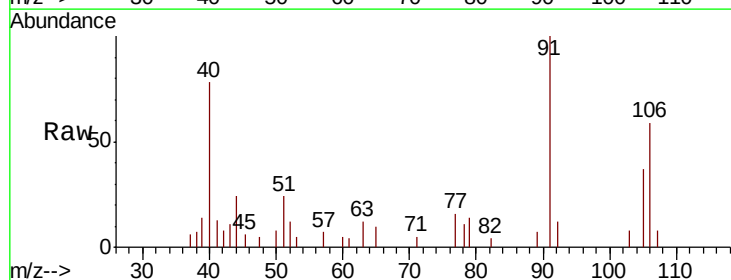


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

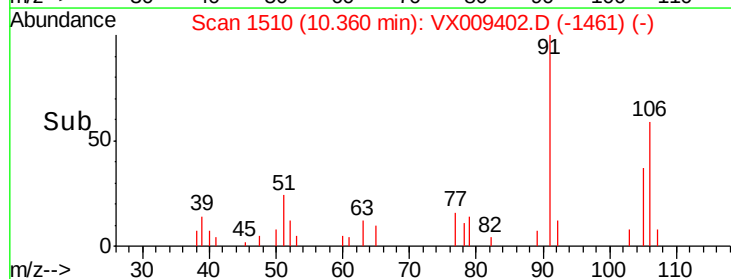
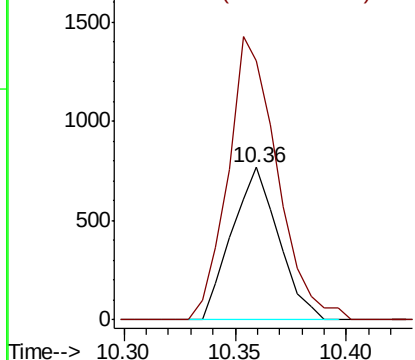


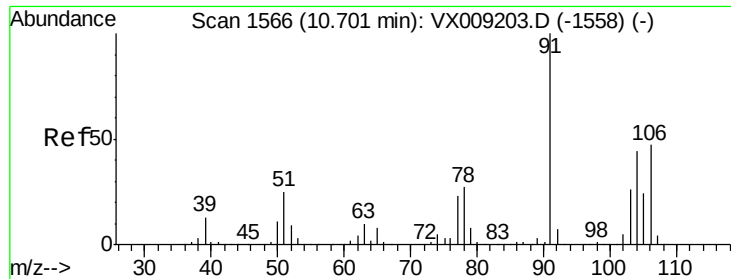
#68  
m/p-Xylenes  
Concen: 0.332 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion:106 Resp: 1126  
Ion Ratio Lower Upper  
106 100  
91 195.1 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

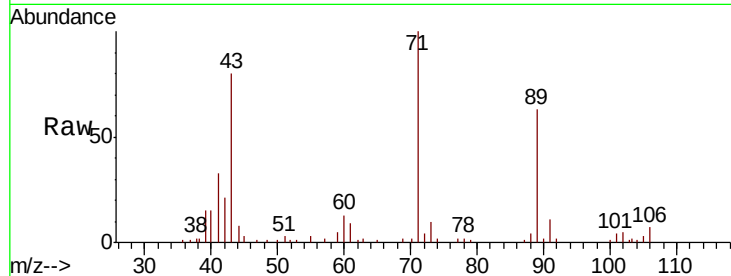




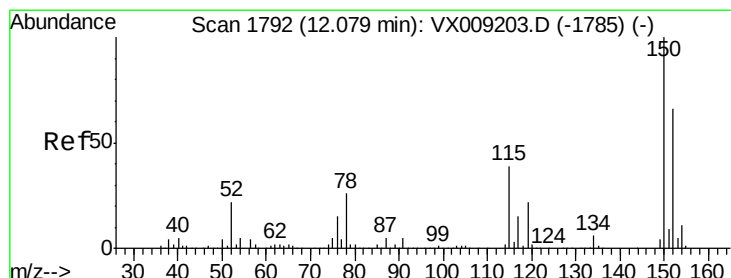
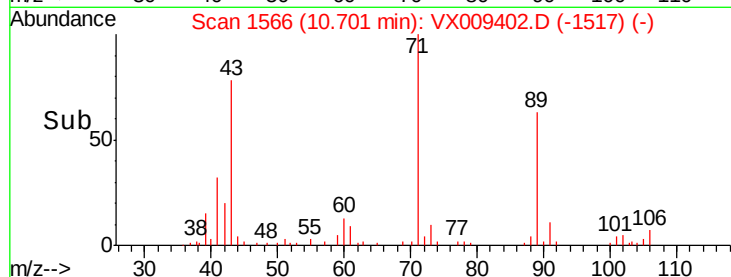
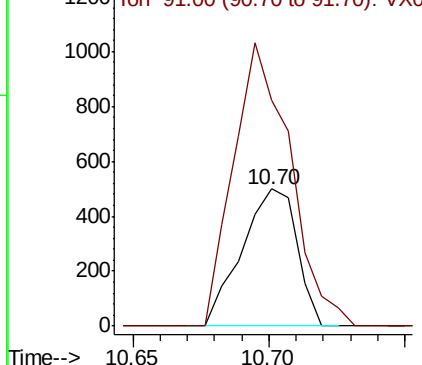
#69  
o-Xylene  
Concen: 0.208 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

Tot Ion:106 Resp: 698  
Ion Ratio Lower Upper  
106 100  
91 213.6 109.5 328.4

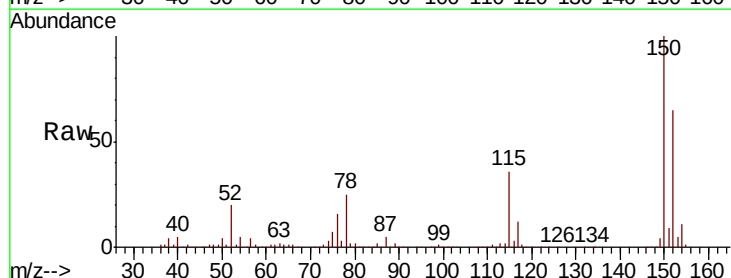


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

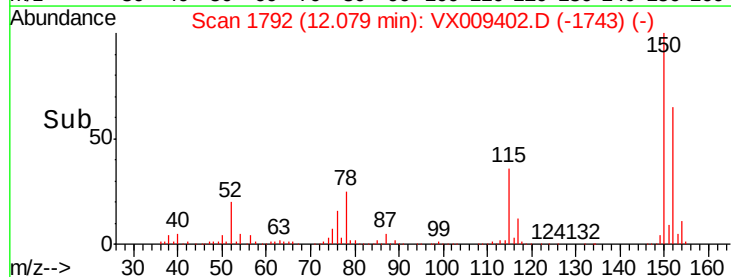
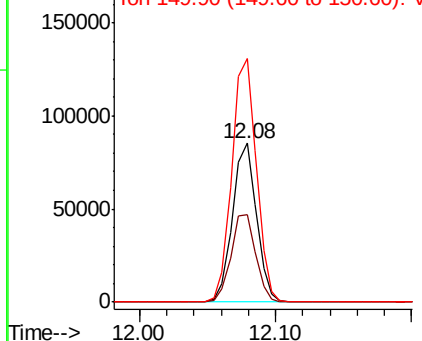


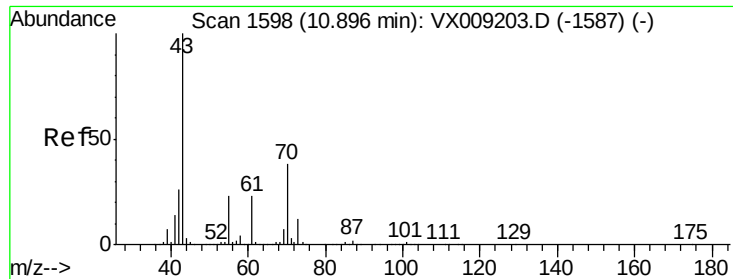
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion:152 Resp: 104626  
Ion Ratio Lower Upper  
152 100  
115 57.3 41.2 123.6  
150 157.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 2.758 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX009402.D

Acq: 08 May 2019 16:44

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-050719-C

Tot Ion: 43 Resp: 12235

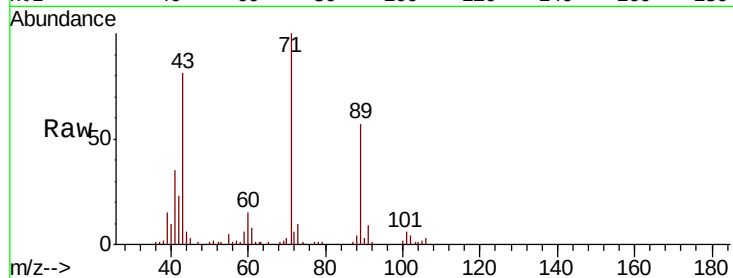
Ion Ratio Lower Upper

43 100

70 2.7 30.0 45.0#

55 5.5 17.9 26.9#

61 11.1 18.4 27.6#

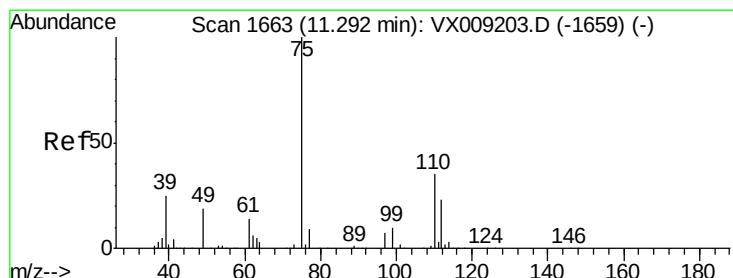
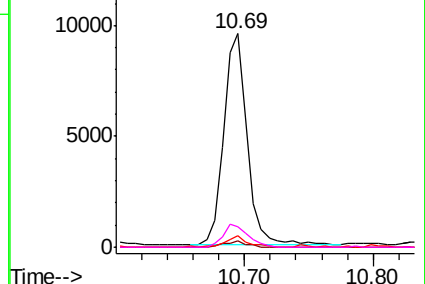
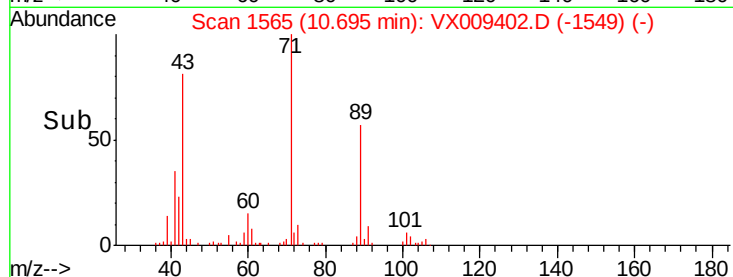


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.497 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009402.D

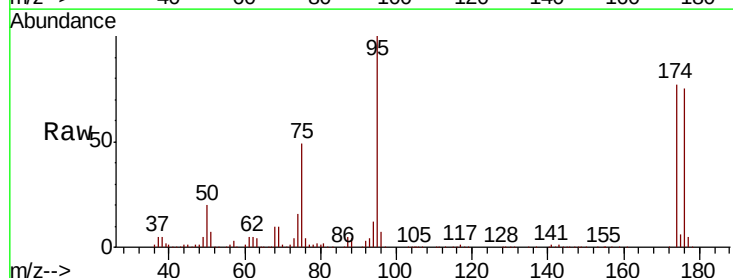
Acq: 08 May 2019 16:44

Tgt Ion: 75 Resp: 59452

Ion Ratio Lower Upper

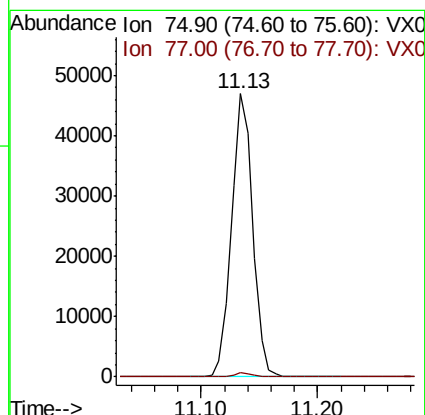
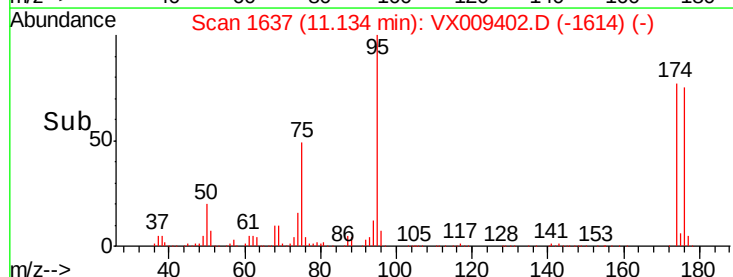
75 100

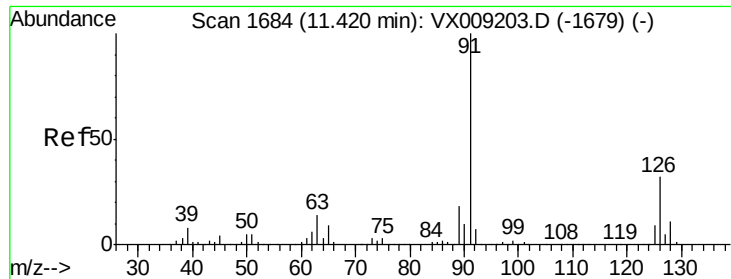
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

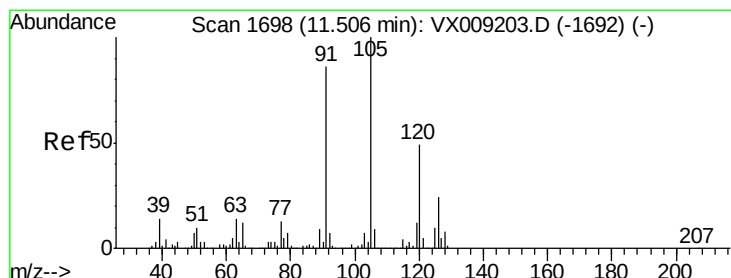
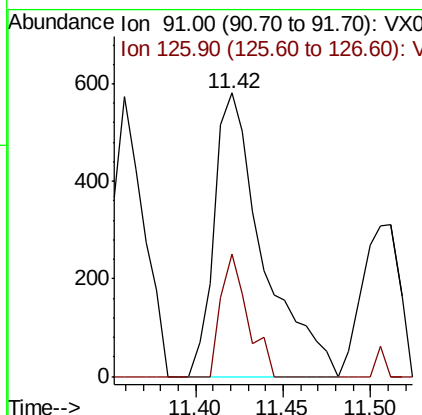
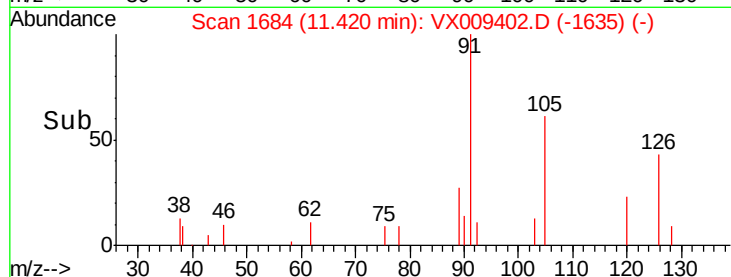
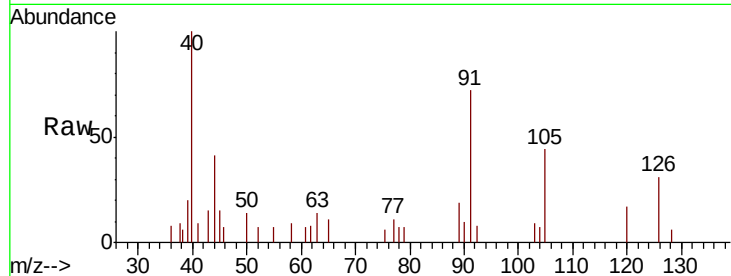




#79  
 2-Chlorotoluene  
 Concen: 0.210 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

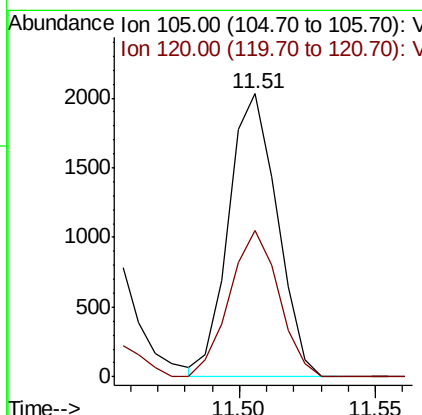
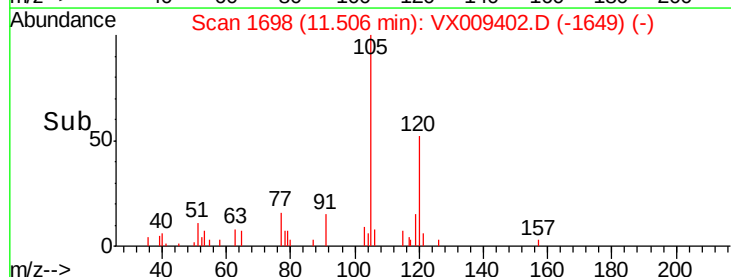
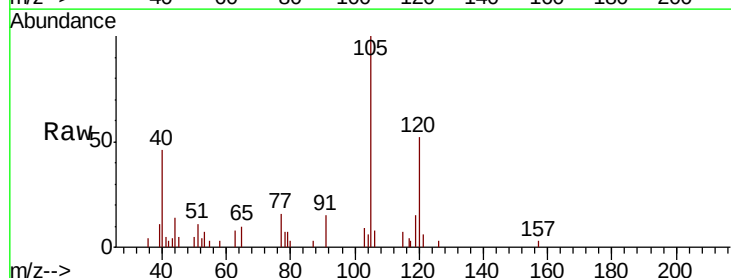
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-050719-C

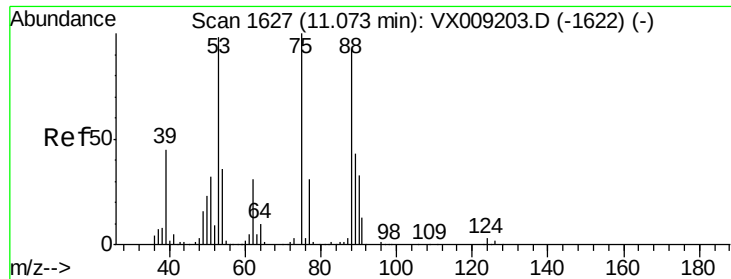
Tot Ion: 91 Resp: 1126  
 Ion Ratio Lower Upper  
 91 100  
 126 23.7 16.3 48.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.392 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX009402.D  
 Acq: 08 May 2019 16:44

Tgt Ion:105 Resp: 2510  
 Ion Ratio Lower Upper  
 105 100  
 120 52.5 24.3 72.9

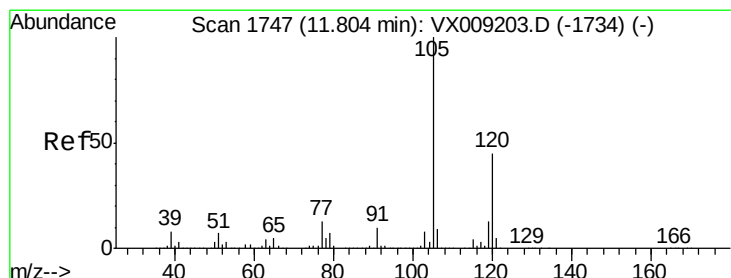
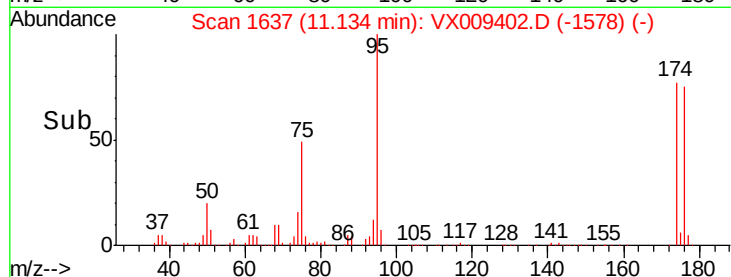
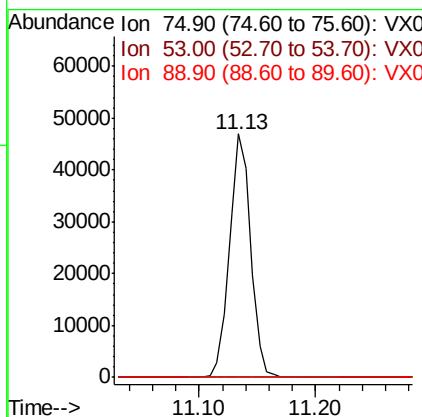
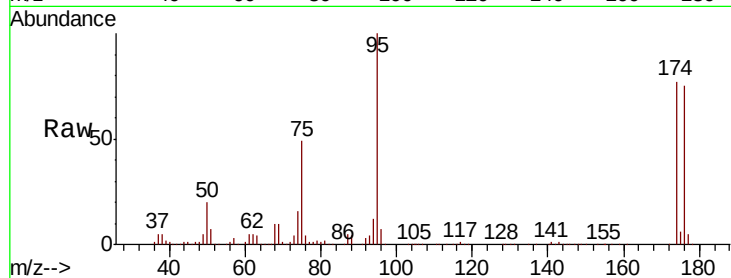




#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.678 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

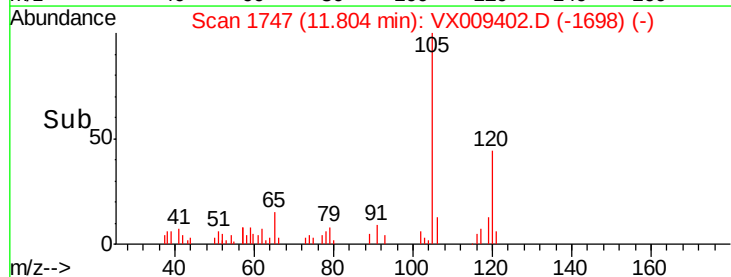
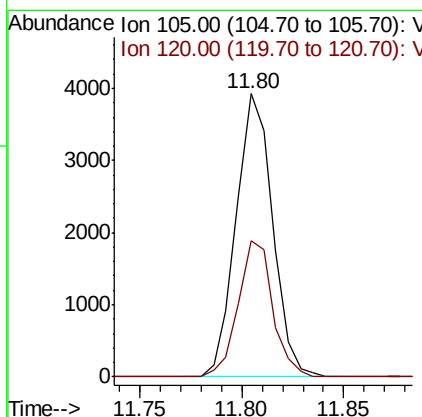
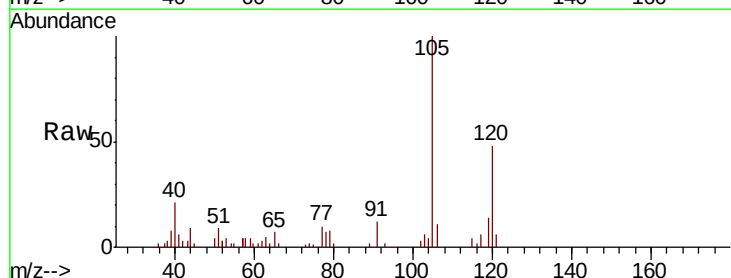
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

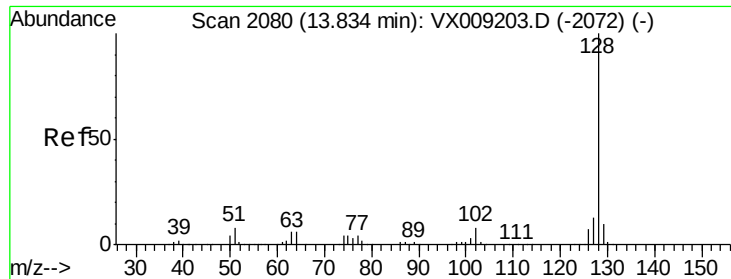
Tot Ion: 75 Resp: 59452  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.0 118.6#  
89 0.0 34.7 52.1#



#84  
1,2,4-Trimethylbenzene  
Concen: 0.758 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Tgt Ion: 105 Resp: 4876  
Ion Ratio Lower Upper  
105 100  
120 45.3 22.0 66.0

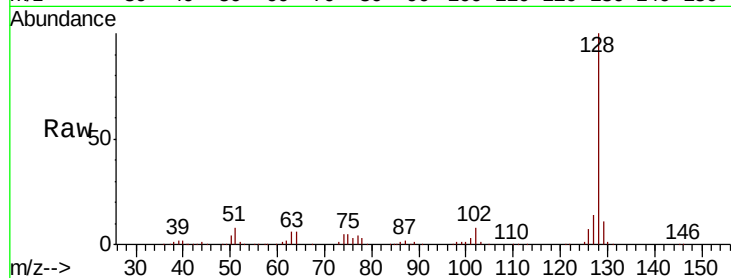




#95  
Naphthalene  
Concen: 8.980 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX009402.D  
Acq: 08 May 2019 16:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-02-050719-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.4  | 15.6  |
| 129     | 11.1  | 8.6   | 13.0  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

