

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071322\  
 Data File : VX030049.D  
 Acq On : 13 Jul 2022 17:09  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Jul 14 04:57:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 2022  
 Response via : Initial Calibration

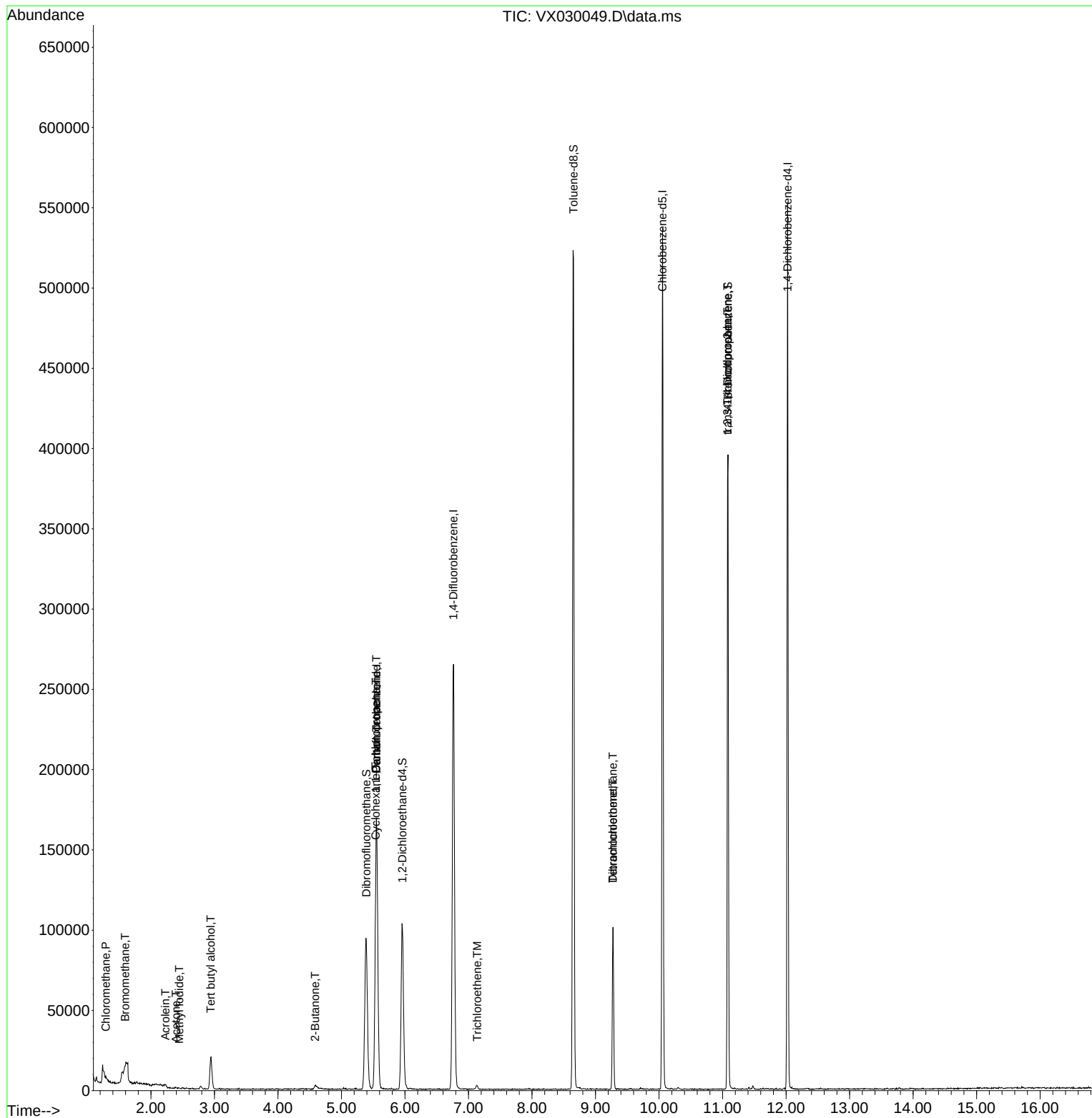
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 167824     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 288733     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 250410     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 108926     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 90819      | 44.460    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 88.920%   |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 84689      | 45.914    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 91.820%   |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 328425     | 47.343    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 94.680%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 111403     | 46.275    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 92.560%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.288          | 85   | 21         | Below Cal | #      | 42       |
| 3) Chloromethane              | 1.288          | 50   | 757        | 0.433     | ug/l   | 93       |
| 5) Bromomethane               | 1.593          | 94   | 662        | 0.802     | ug/l   | 96       |
| 10) Methyl Iodide             | 2.447          | 142  | 450        | 2.663     | ug/l # | 68       |
| 11) Tert butyl alcohol        | 2.940          | 59   | 11676      | 22.147    | ug/l # | 78       |
| 13) Acrolein                  | 2.227          | 56   | 79         | 0.752     | ug/l # | 77       |
| 16) Acetone                   | 2.392          | 43   | 767        | 0.797     | ug/l # | 64       |
| 17) Carbon Disulfide          | 2.495          | 76   | 651        | Below Cal | #      | 74       |
| 20) Methylene Chloride        | 2.788          | 84   | 928        | Below Cal | #      | 72       |
| 25) 2-Butanone                | 4.586          | 43   | 576        | 0.351     | ug/l # | 48       |
| 31) Cyclohexane               | 5.537          | 56   | 3286       | 1.110     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 12517      | 5.254     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 16247      | 7.312     | ug/l # | 15       |
| 44) Trichloroethene           | 7.135          | 130  | 971        | 0.443     | ug/l   | 84       |
| 60) Dibromochloromethane      | 9.275          | 129  | 19049      | 9.957     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275          | 164  | 19276      | 9.589     | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 52462      | 20.948    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 52462      | 60.454    | ug/l # | 13       |
| -----                         |                |      |            |           |        |          |

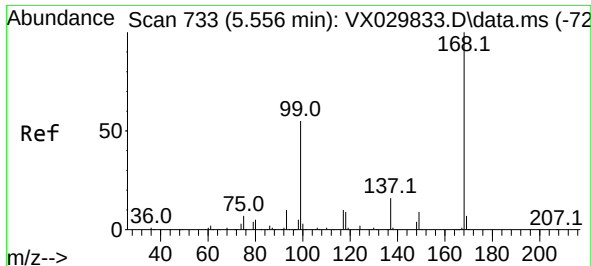
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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IBLK

Quant Time: Jul 14 04:57:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 13 09:05:23 2022  
Response via : Initial Calibration

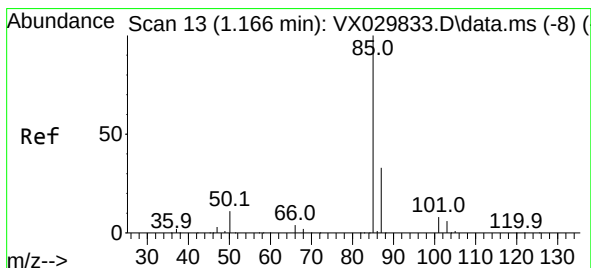
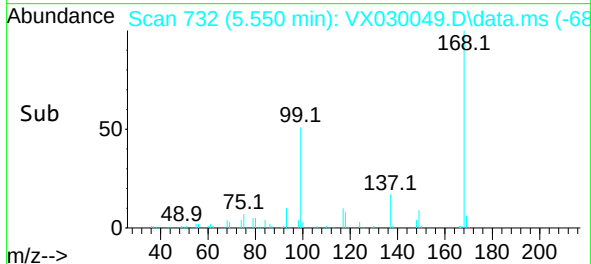
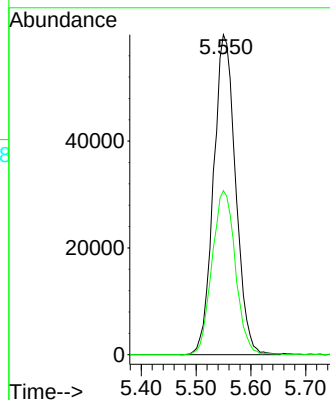
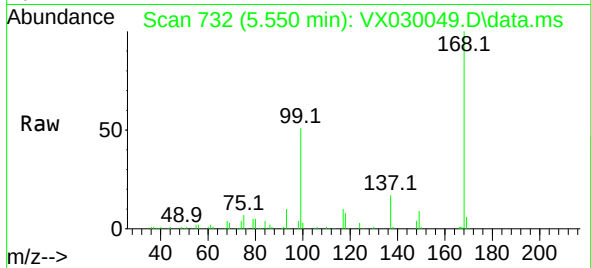




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

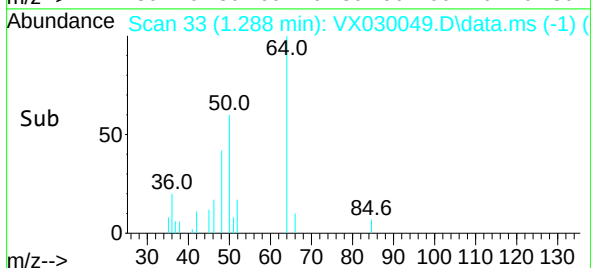
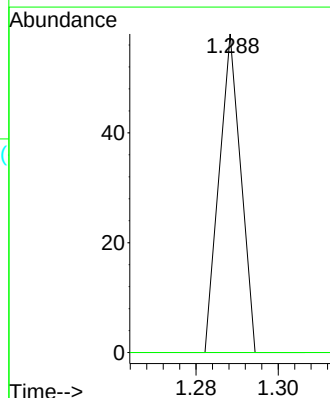
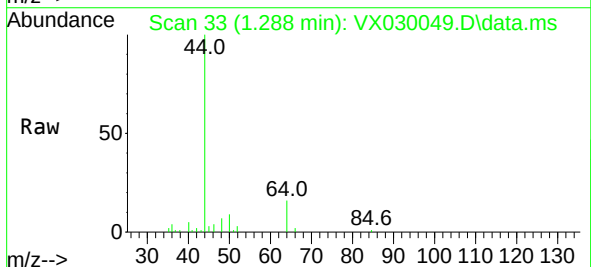
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

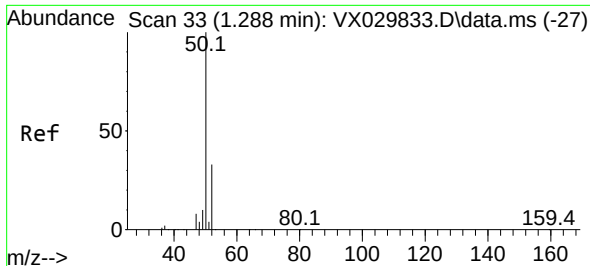
Tgt Ion:168 Resp: 167824  
Ion Ratio Lower Upper  
168 100  
99 51.2 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. 0.122 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 85 Resp: 21  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.5 49.5#

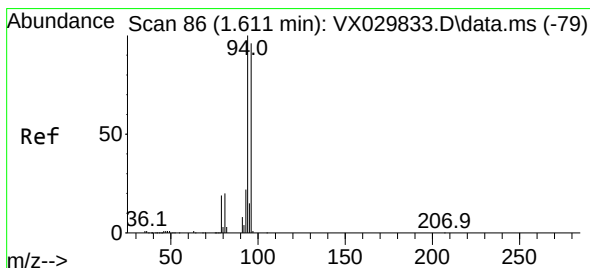
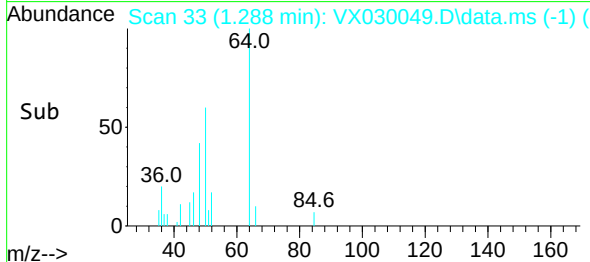
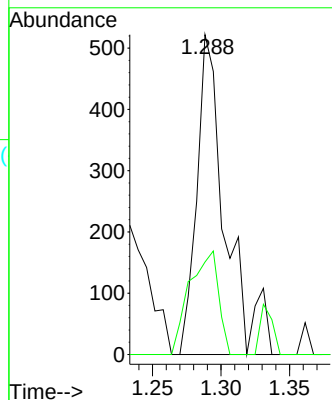
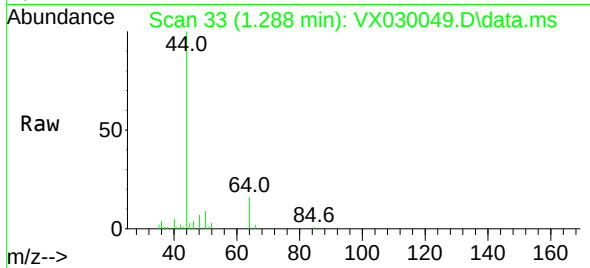




#3  
Chloromethane  
Concen: 0.433 ug/l  
RT: 1.288 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

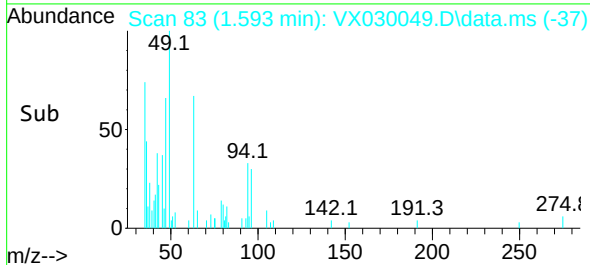
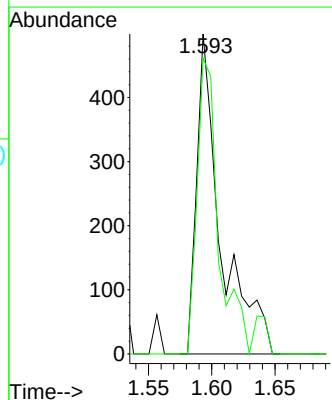
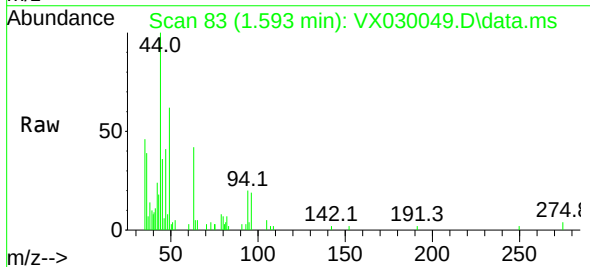
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

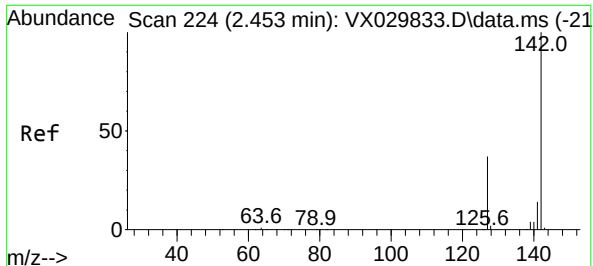
Tgt Ion: 50 Resp: 757  
Ion Ratio Lower Upper  
50 100  
52 28.9 26.3 39.5



#5  
Bromomethane  
Concen: 0.802 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.018 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 94 Resp: 662  
Ion Ratio Lower Upper  
94 100  
96 92.4 76.9 115.3

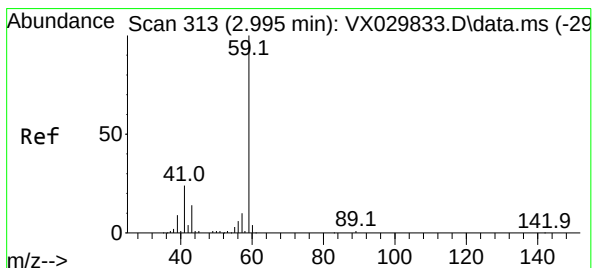
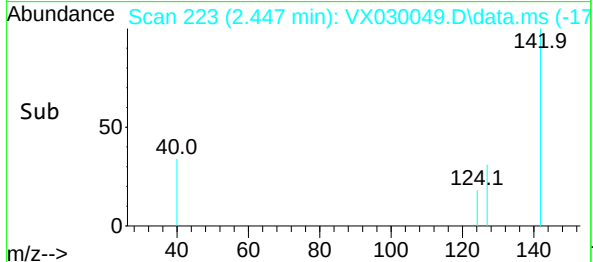
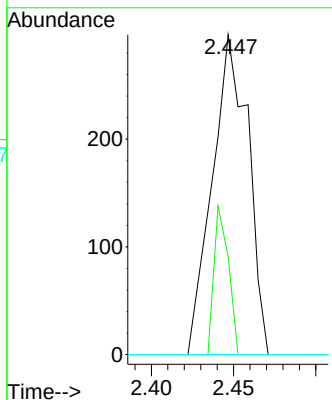
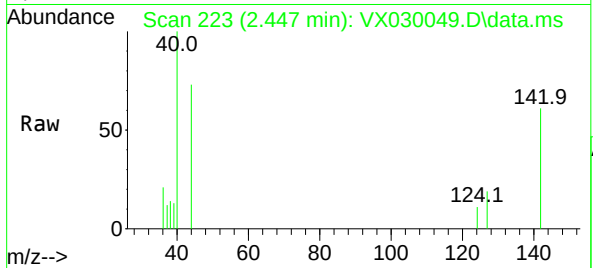




#10  
Methyl Iodide  
Concen: 2.663 ug/l  
RT: 2.447 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

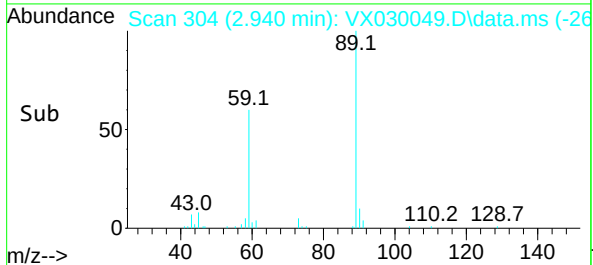
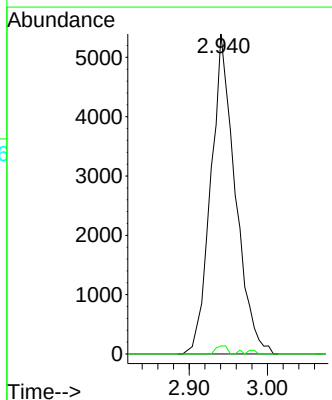
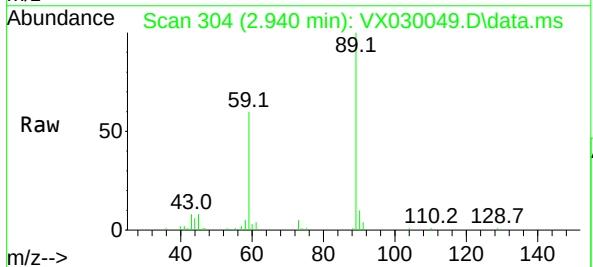
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

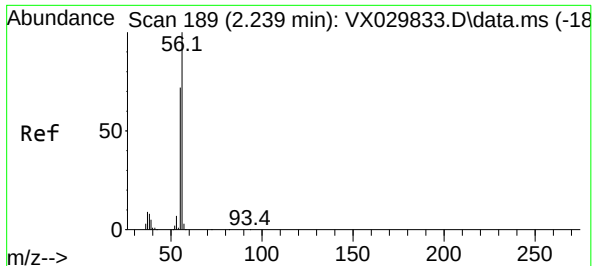
Tgt Ion:142 Resp: 450  
Ion Ratio Lower Upper  
142 100  
127 18.7 30.2 45.2#  
141 0.0 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: 22.147 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.055 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 59 Resp: 11676  
Ion Ratio Lower Upper  
59 100  
57 1.2 7.4 11.2#

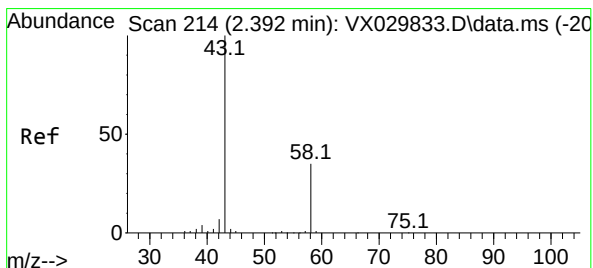
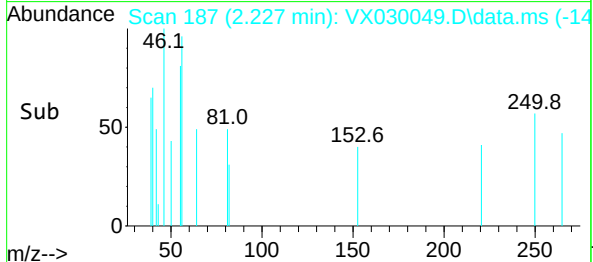
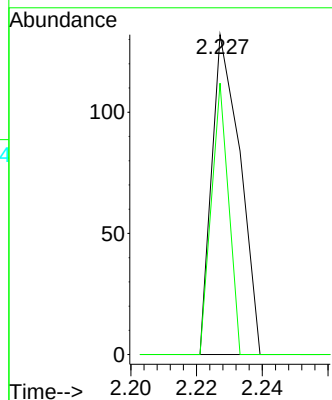
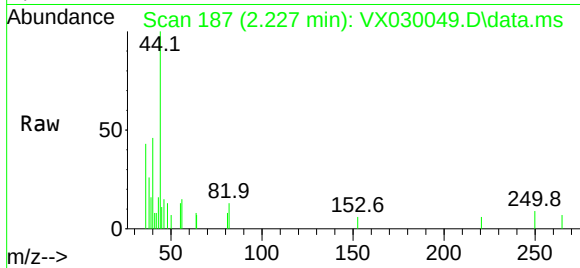




#13  
Acrolein  
Concen: 0.752 ug/l  
RT: 2.227 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

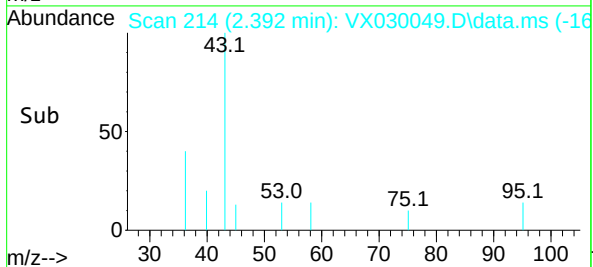
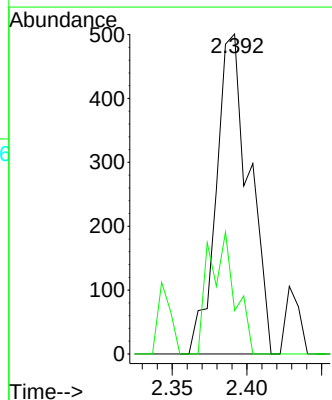
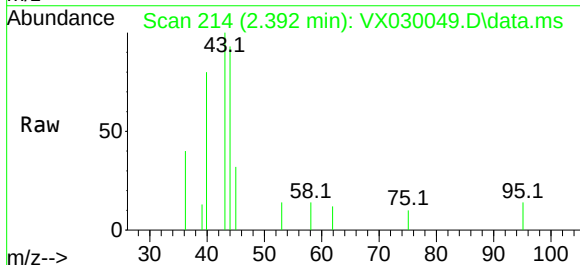
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IBLK

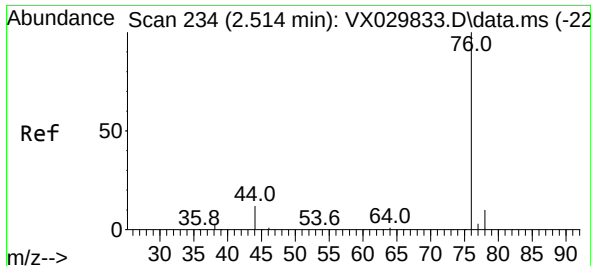
Tgt Ion: 56 Resp: 79  
Ion Ratio Lower Upper  
56 100  
55 51.9 56.6 84.8#



#16  
Acetone  
Concen: 0.797 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 43 Resp: 767  
Ion Ratio Lower Upper  
43 100  
58 13.6 27.7 41.5#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.495 min Scan# 21

Delta R.T. -0.019 min

Lab File: VX030049.D

Acq: 13 Jul 2022 17:09

Instrument :

MSVOA\_X

ClientSampleId :

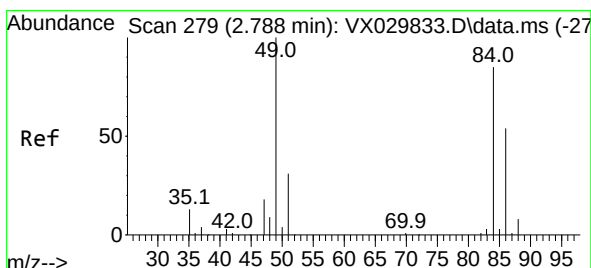
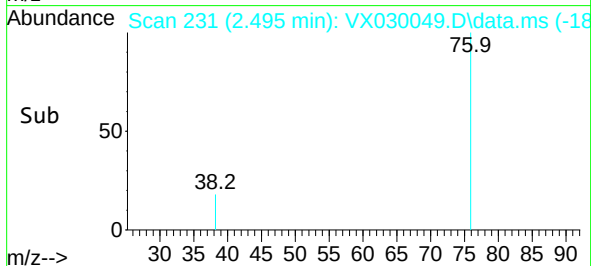
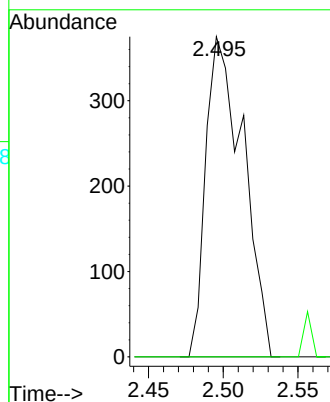
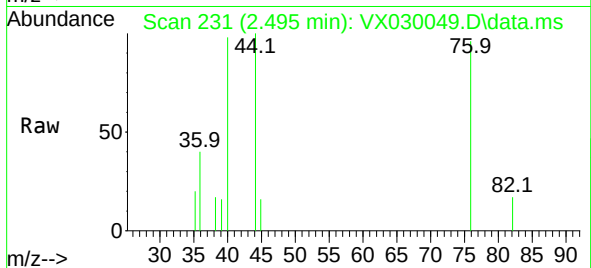
IBLK

Tgt Ion: 76 Resp: 651

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX030049.D

Acq: 13 Jul 2022 17:09

Tgt Ion: 84 Resp: 928

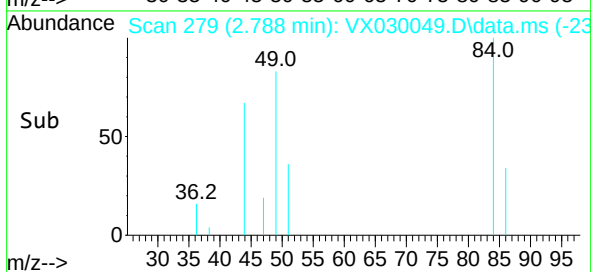
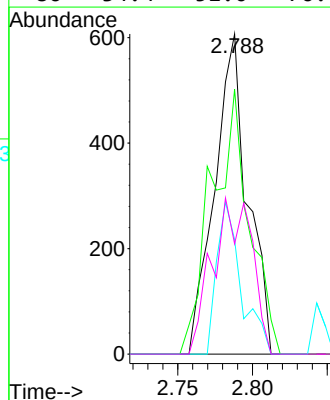
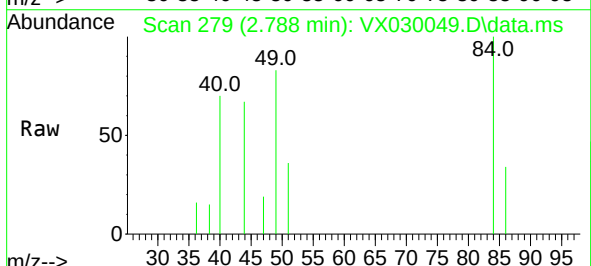
Ion Ratio Lower Upper

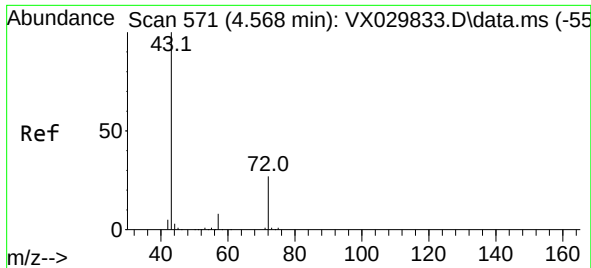
84 100

49 82.7 93.8 140.6#

51 35.7 29.4 44.0

86 34.4 51.0 76.4#

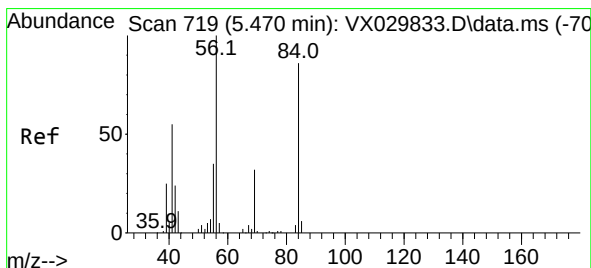
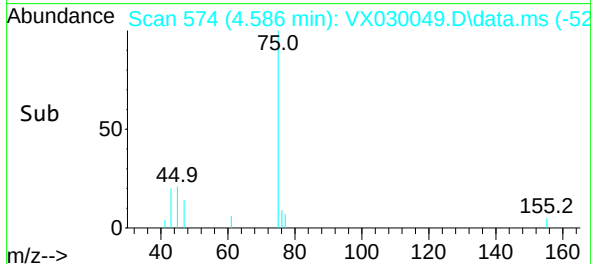
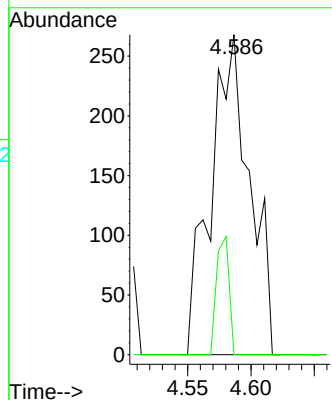
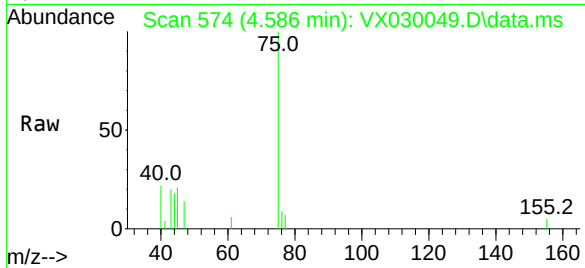




#25  
2-Butanone  
Concen: 0.351 ug/l  
RT: 4.586 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

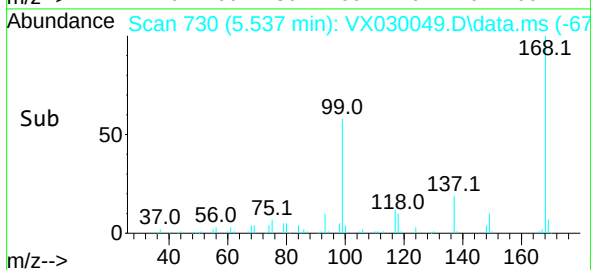
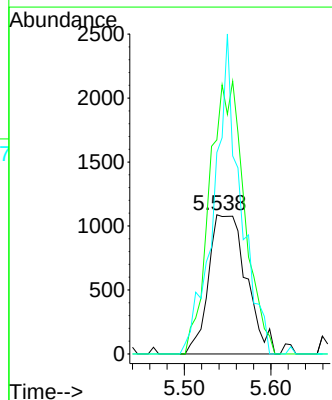
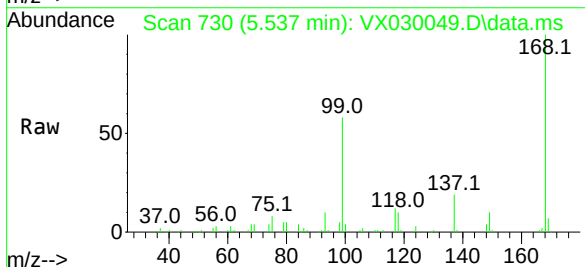
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion: 43 Resp: 576  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.7 32.5#

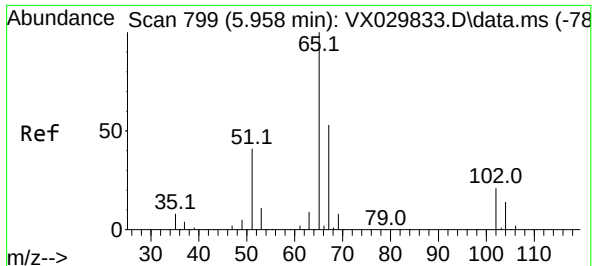


#31  
Cyclohexane  
Concen: 1.110 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. 0.067 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 56 Resp: 3286  
Ion Ratio Lower Upper  
56 100  
69 153.8 25.4 38.0#  
84 144.7 68.9 103.3#







#33

1,2-Dichloroethane-d4

Concen: 44.460 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030049.D

Acq: 13 Jul 2022 17:09

Instrument :

MSVOA\_X

ClientSampleId :

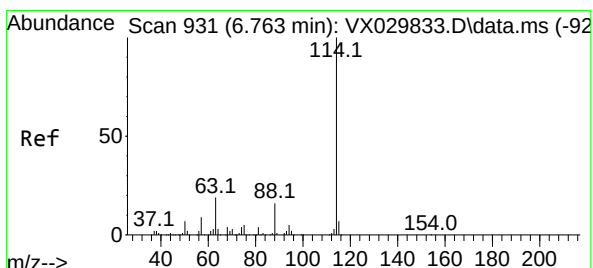
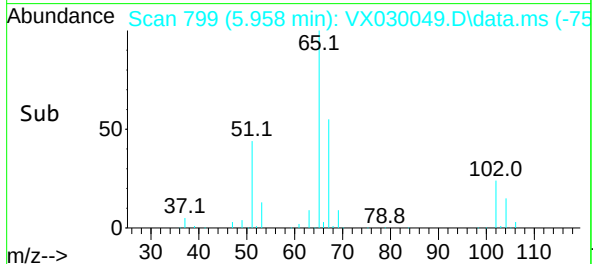
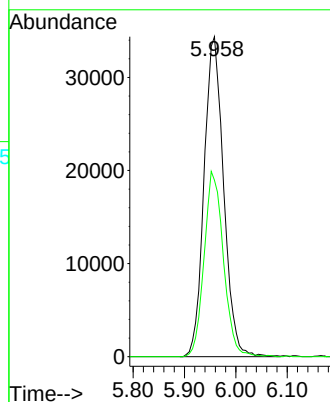
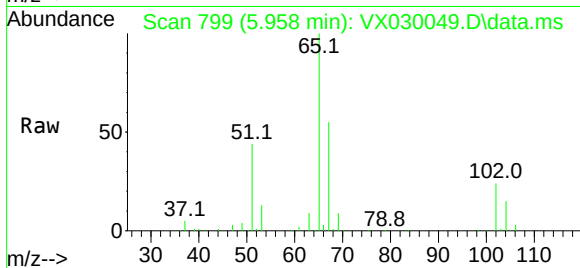
IBLK

Tgt Ion: 65 Resp: 90819

Ion Ratio Lower Upper

65 100

67 57.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX030049.D

Acq: 13 Jul 2022 17:09

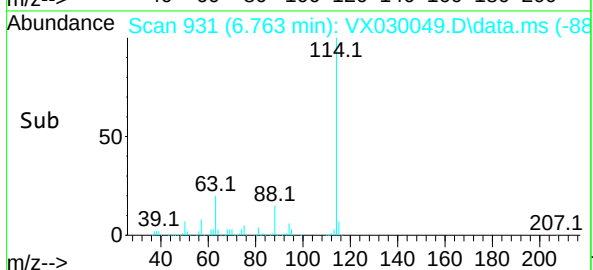
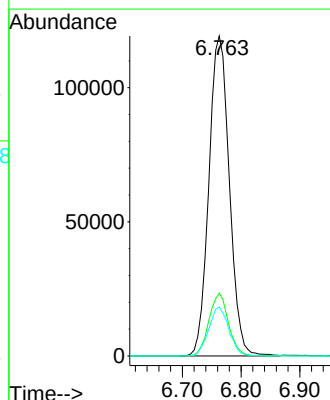
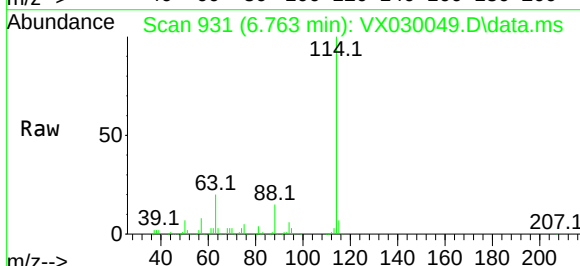
Tgt Ion: 114 Resp: 288733

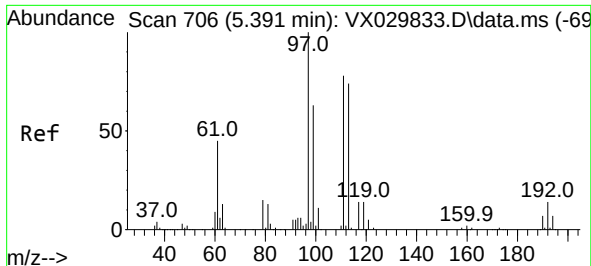
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.3 0.0 31.8

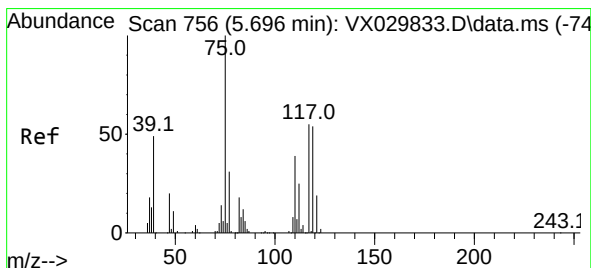
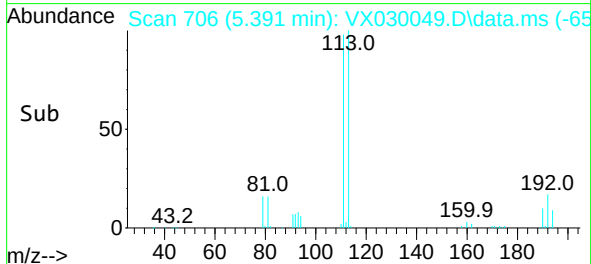
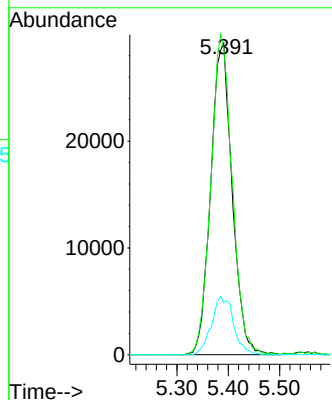
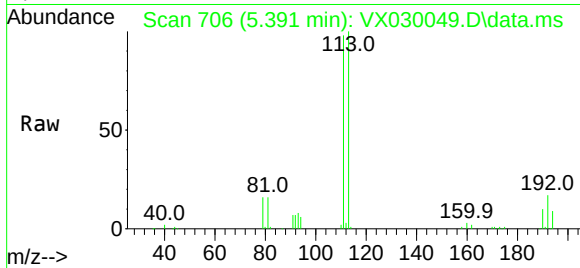




#35  
Dibromofluoromethane  
Concen: 45.914 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

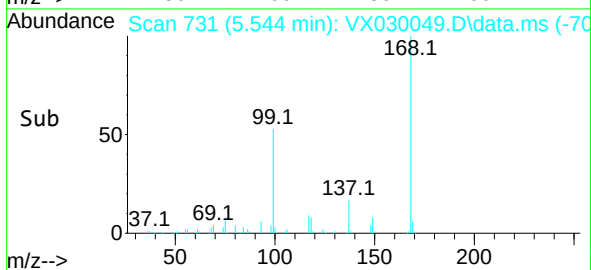
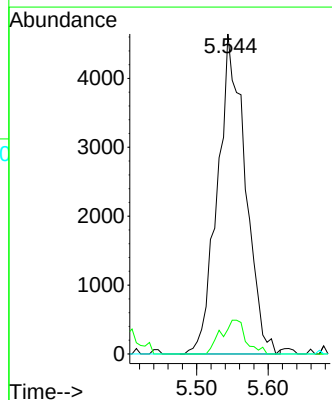
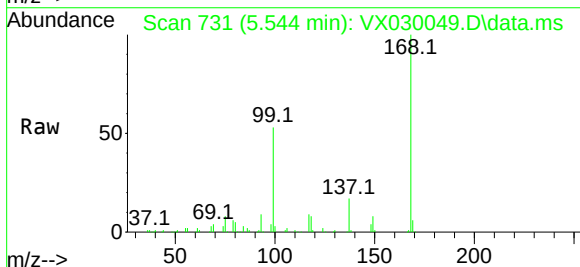
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

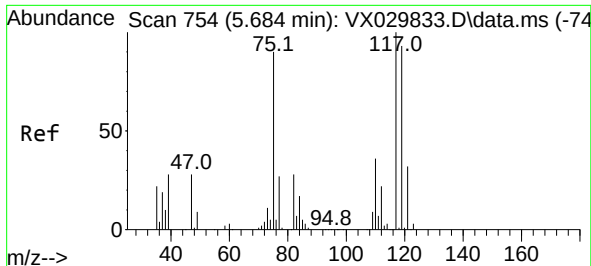
Tgt Ion:113 Resp: 84689  
Ion Ratio Lower Upper  
113 100  
111 102.4 83.2 124.8  
192 19.1 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 5.254 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.152 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 75 Resp: 12517  
Ion Ratio Lower Upper  
75 100  
110 9.4 19.3 57.9#  
77 0.0 24.4 36.6#

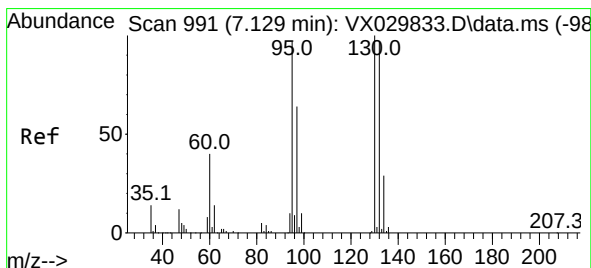
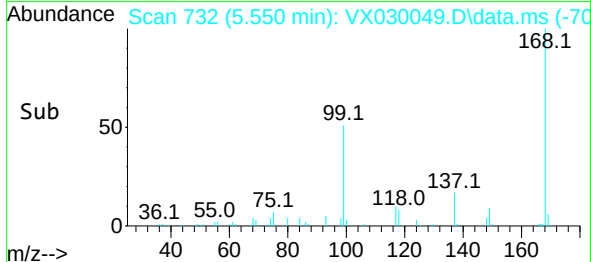
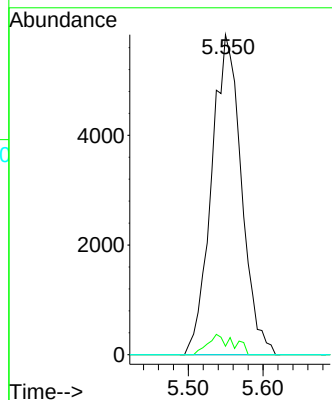
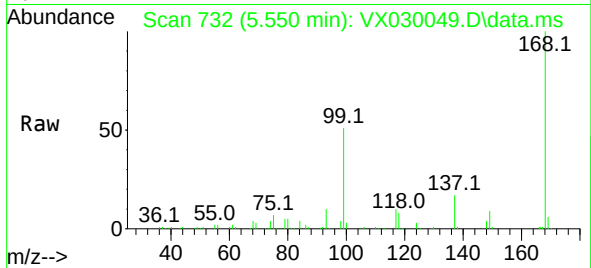




#38  
Carbon Tetrachloride  
Concen: 7.312 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

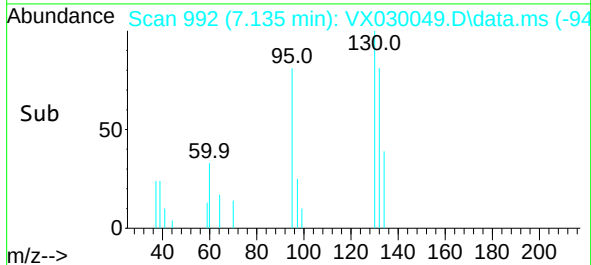
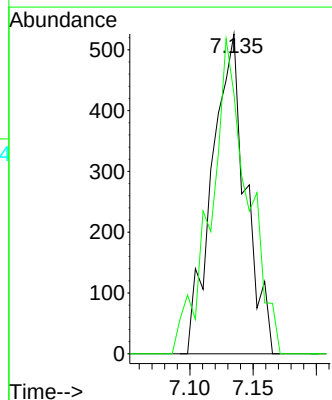
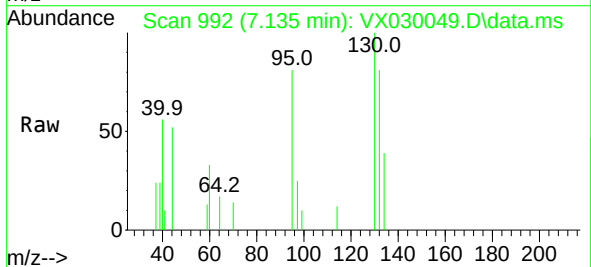
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

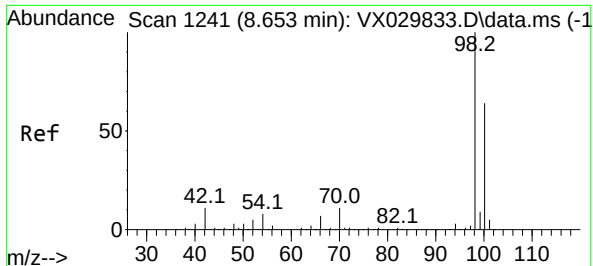
Tgt Ion:117 Resp: 16247  
Ion Ratio Lower Upper  
117 100  
119 2.6 74.1 111.1#  
121 0.0 25.8 38.8#



#44  
Trichloroethene  
Concen: 0.443 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion:130 Resp: 971  
Ion Ratio Lower Upper  
130 100  
95 81.2 0.0 194.8

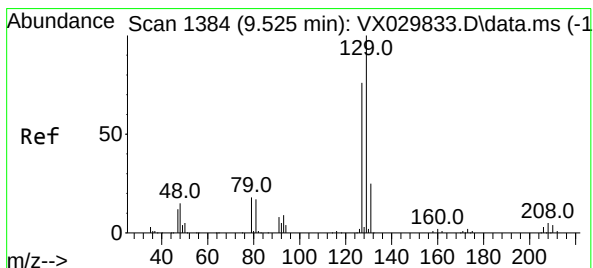
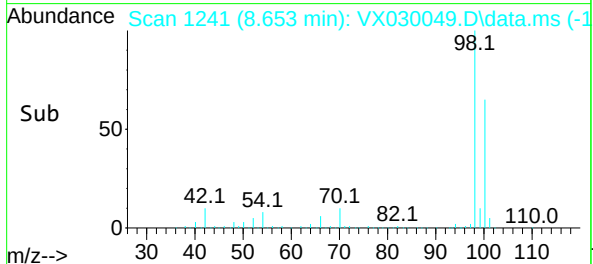
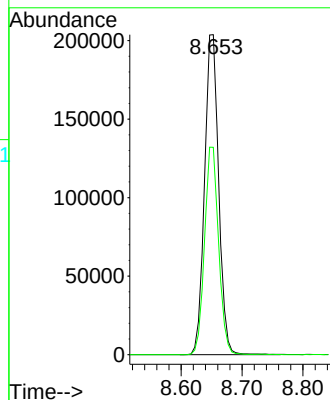
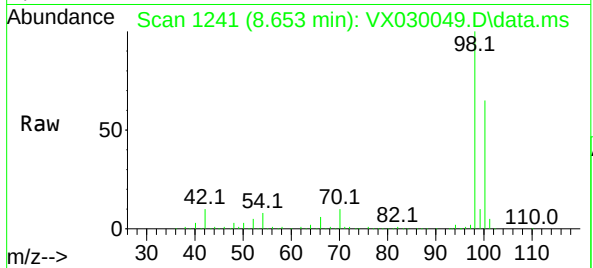




#50  
Toluene-d8  
Concen: 47.343 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

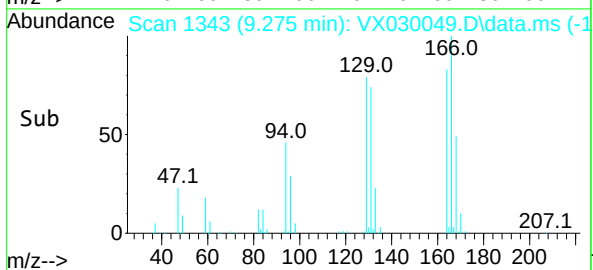
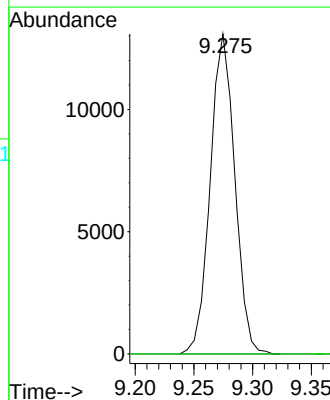
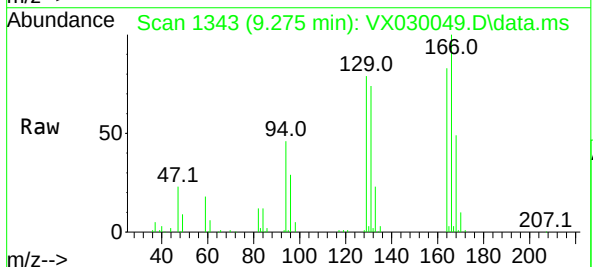
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

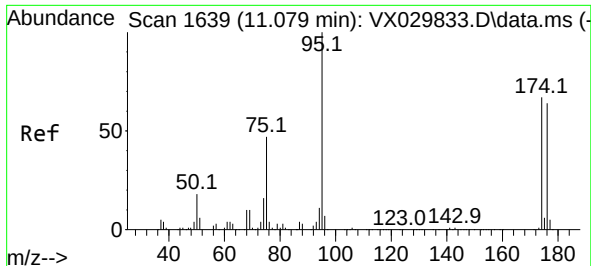
Tgt Ion: 98 Resp: 328425  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.3 78.5



#60  
Dibromochloromethane  
Concen: 9.957 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion:129 Resp: 19049  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#

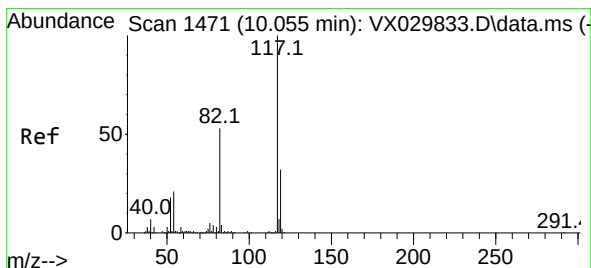
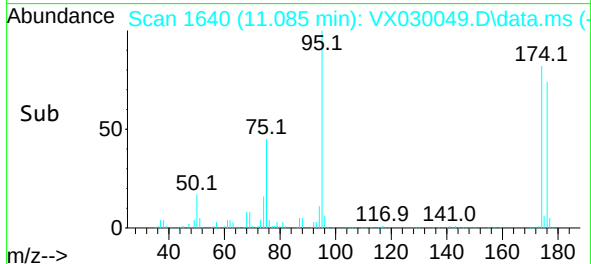
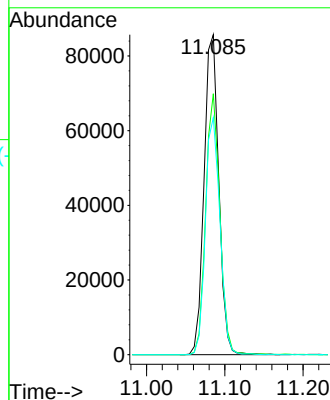
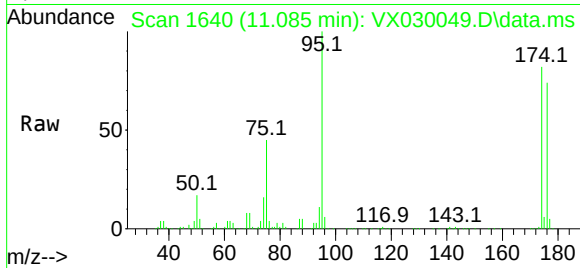




#62  
4-Bromofluorobenzene  
Concen: 46.275 ug/l  
RT: 11.085 min Scan# 111403  
Delta R.T. 0.006 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

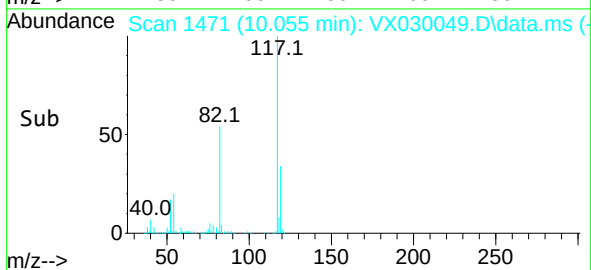
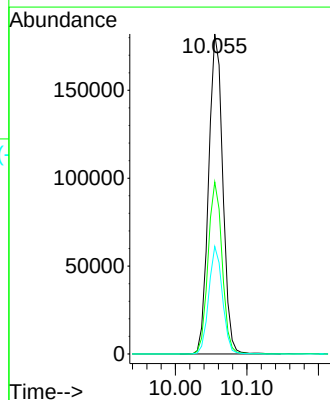
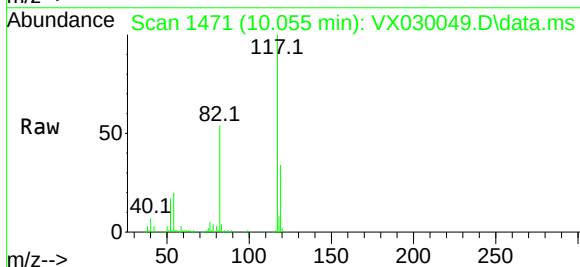
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

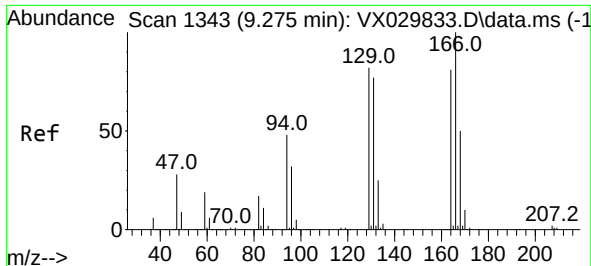
Tgt Ion: 95 Resp: 111403  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 149.0  
176 73.6 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 117 Resp: 250410  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.7 64.1  
119 33.6 25.4 38.2



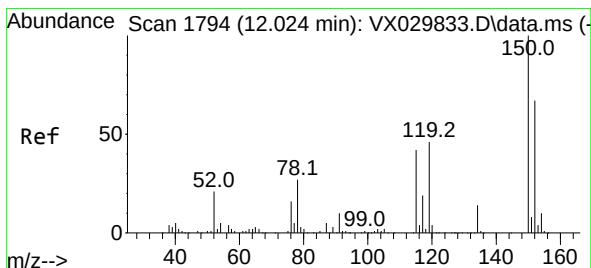
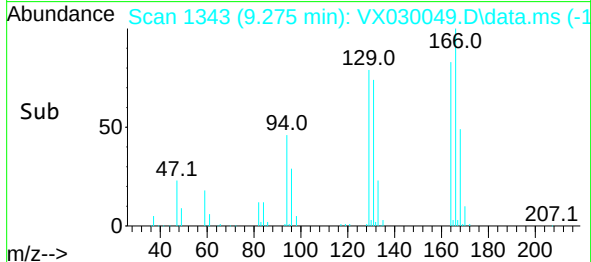
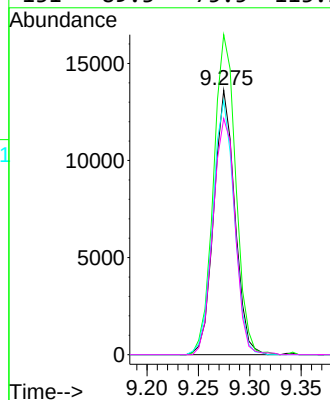
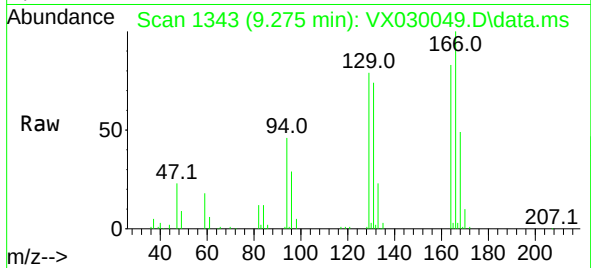


#64  
Tetrachloroethene  
Concen: 9.589 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion:164 Resp: 19276

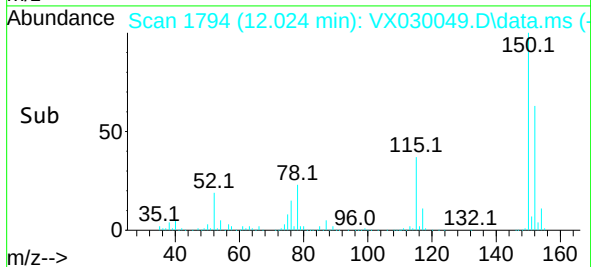
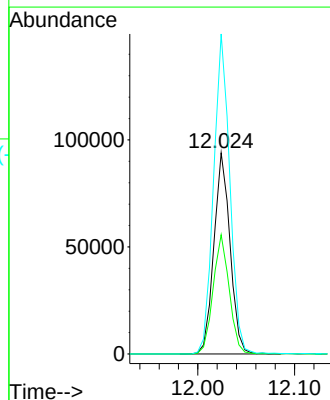
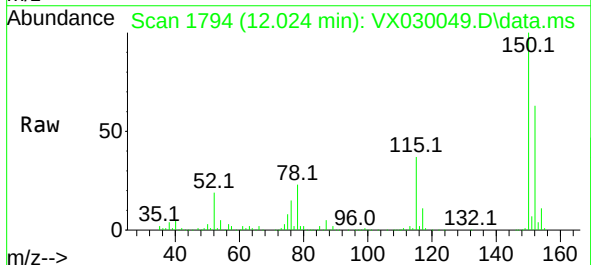
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 121.0 | 98.2  | 147.4 |
| 129 | 96.0  | 80.8  | 121.2 |
| 131 | 89.3  | 75.5  | 113.3 |

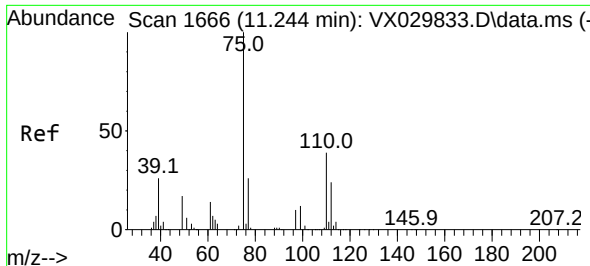


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion:152 Resp: 108926

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.1  | 40.5  | 121.5 |
| 150 | 160.0 | 0.0   | 347.0 |

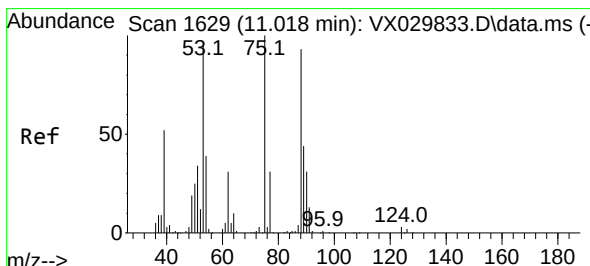
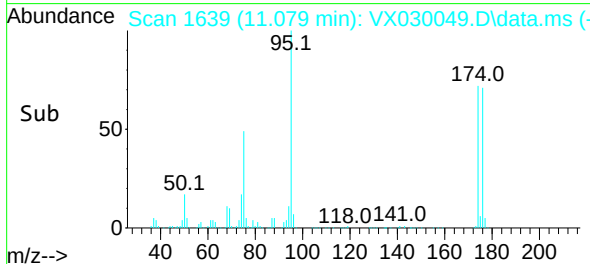
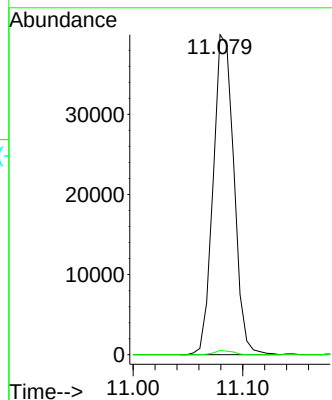
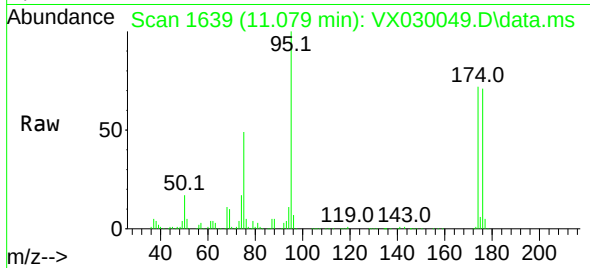




#76  
1,2,3-Trichloropropane  
Concen: 20.948 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion: 75 Resp: 52462  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.8 59.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.454 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX030049.D  
Acq: 13 Jul 2022 17:09

Tgt Ion: 75 Resp: 52462  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.1 34.8 52.2#

