

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030921\  
 Data File : VX021118.D  
 Acq On : 09 Mar 2021 18:44  
 Operator : JC/MD  
 Sample : M1596-20  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 10 00:34:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

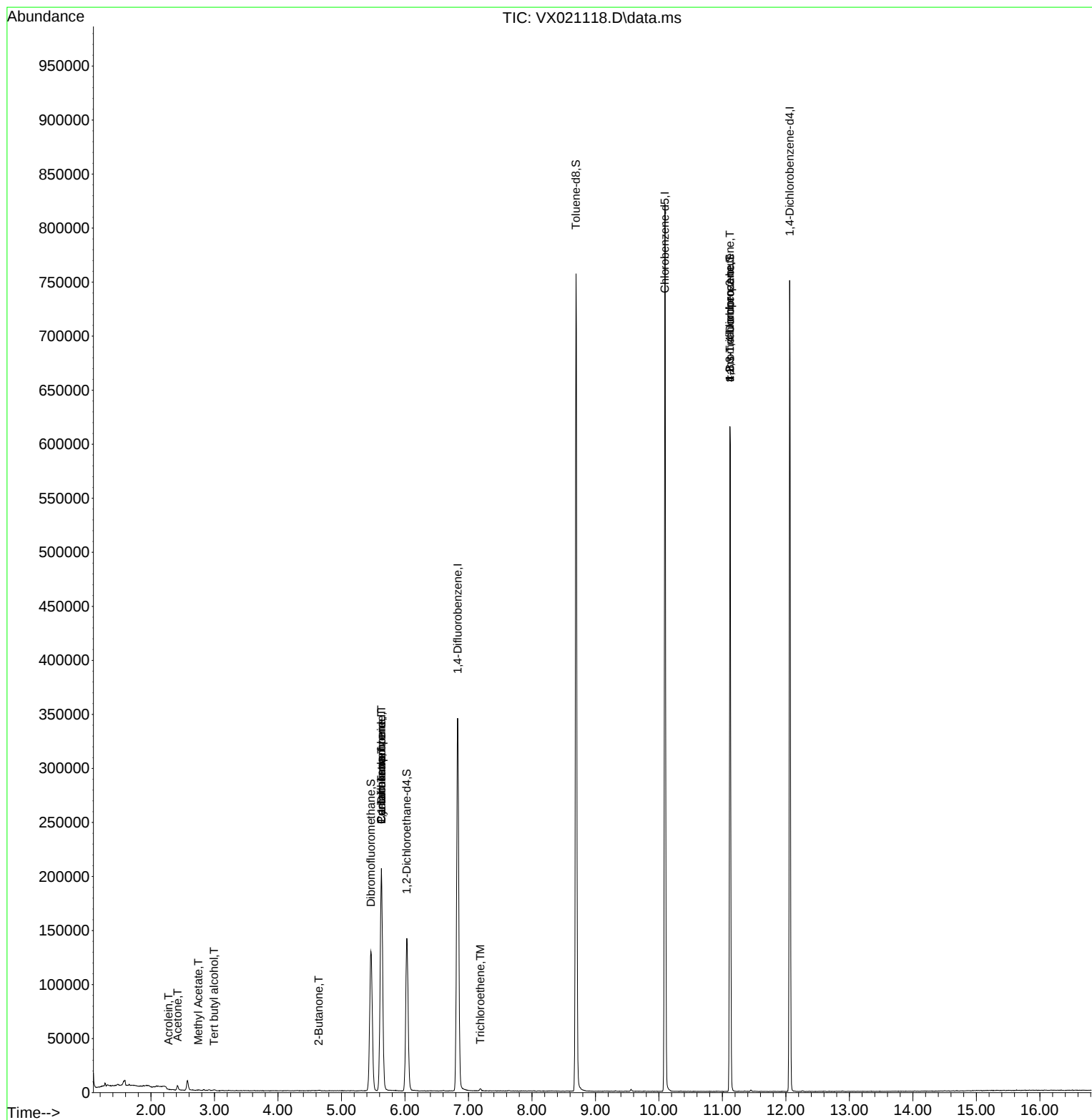
| Compound                      | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------|----------|------------|--------|----------|
| -----                         |        |          |          |            |        |          |
| Internal Standards            |        |          |          |            |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168      | 194403   | 50.00      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114      | 362455   | 50.00      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117      | 364678   | 50.00      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152      | 156530   | 50.00      | ug/l   | 0.00     |
| System Monitoring Compounds   |        |          |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65       | 134146   | 51.09      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range  | 61 - 141 | Recovery | = 102.18%  |        |          |
| 35) Dibromofluoromethane      | 5.464  | 113      | 116117   | 52.73      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range  | 69 - 133 | Recovery | = 105.46%  |        |          |
| 50) Toluene-d8                | 8.694  | 98       | 459073   | 53.46      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range  | 65 - 126 | Recovery | = 106.92%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.118 | 95       | 173853   | 54.76      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range  | 58 - 135 | Recovery | = 109.52%  |        |          |
| Target Compounds              |        |          |          |            |        |          |
|                               |        |          |          |            | Qvalue |          |
| 5) Bromomethane               | 1.640  | 94       | 289      | Below Cal  |        | 92       |
| 11) Tert butyl alcohol        | 2.993  | 59       | 616      | 1.05 ug/l  | #      | 73       |
| 13) Acrolein                  | 2.275  | 56       | 96       | 0.27 ug/l  | #      | 43       |
| 16) Acetone                   | 2.417  | 43       | 4208     | 3.89 ug/l  |        | 100      |
| 18) Methyl Acetate            | 2.746  | 43       | 822      | 0.32 ug/l  | #      | 64       |
| 25) 2-Butanone                | 4.640  | 43       | 445      | 0.27 ug/l  | #      | 45       |
| 31) Cyclohexane               | 5.629  | 56       | 4003     | 1.05 ug/l  | #      | 1        |
| 36) 1,1-Dichloropropene       | 5.629  | 75       | 15163    | 4.40 ug/l  | #      | 48       |
| 38) Carbon Tetrachloride      | 5.629  | 117      | 18632    | 5.58 ug/l  | #      | 17       |
| 44) Trichloroethene           | 7.188  | 130      | 707      | 0.26 ug/l  |        | 82       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75       | 82907    | 24.62 ug/l | #      | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75       | 82907    | 54.51 ug/l | #      | 12       |
| -----                         |        |          |          |            |        |          |

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

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Sample : M1596-20  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 10 00:34:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration

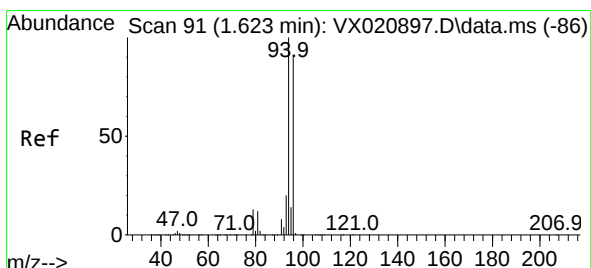
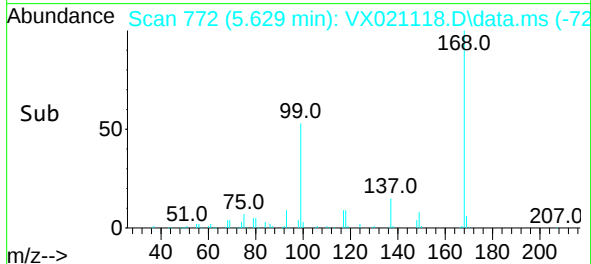
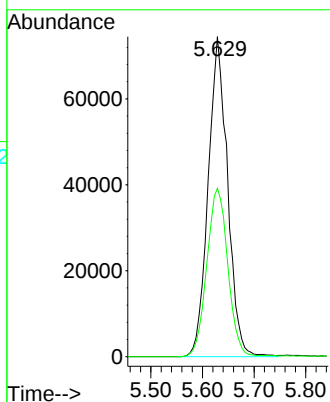
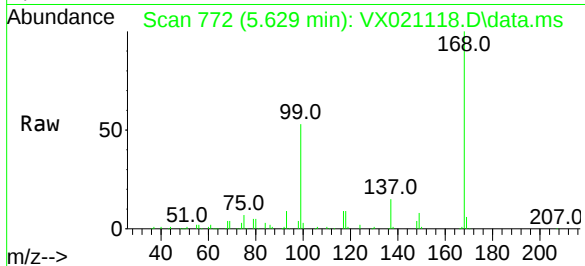




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.006 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

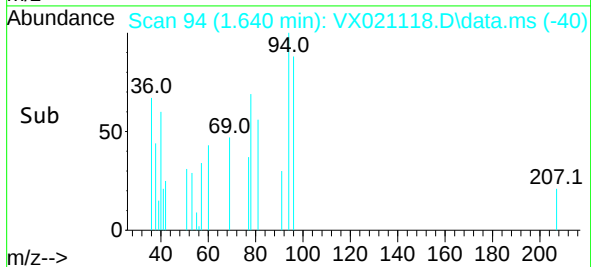
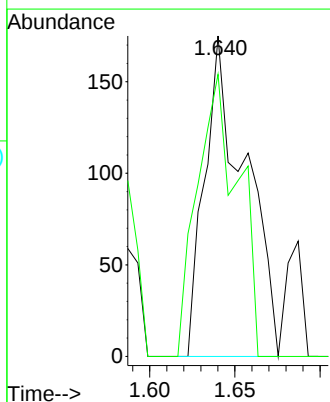
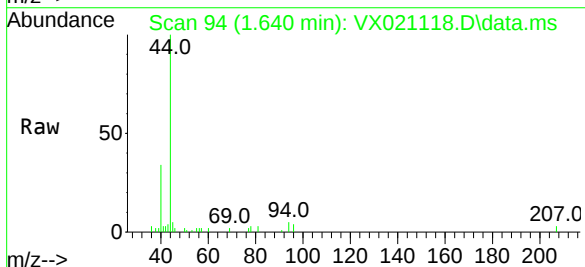
Instrument :  
MSVOA\_X  
ClientSampled :

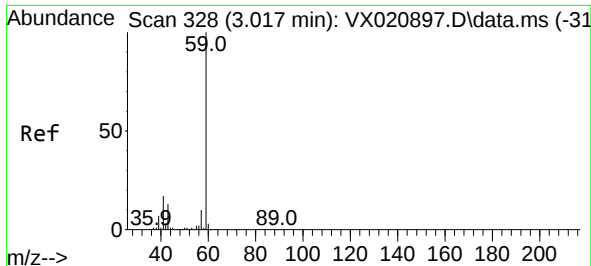
Tgt Ion:168 Resp: 194403  
Ion Ratio Lower Upper  
168 100  
99 52.7 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.640 min Scan# 94  
Delta R.T. 0.017 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion: 94 Resp: 289  
Ion Ratio Lower Upper  
94 100  
96 88.0 76.4 114.6

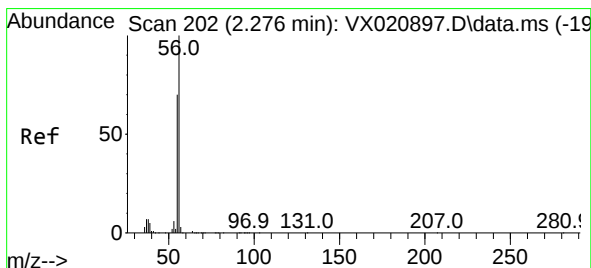
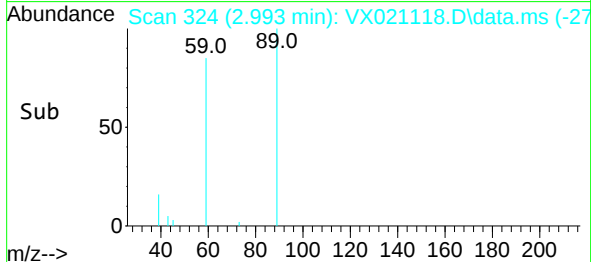
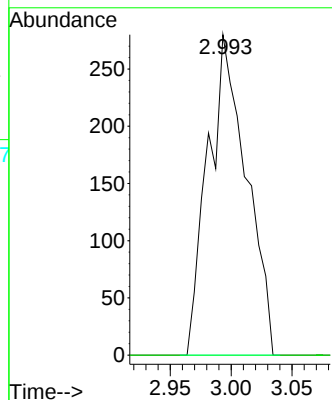
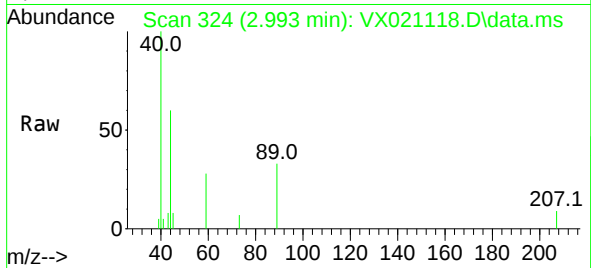




#11  
Tert butyl alcohol  
Concen: 1.05 ug/l  
RT: 2.993 min Scan# 324  
Delta R.T. -0.024 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

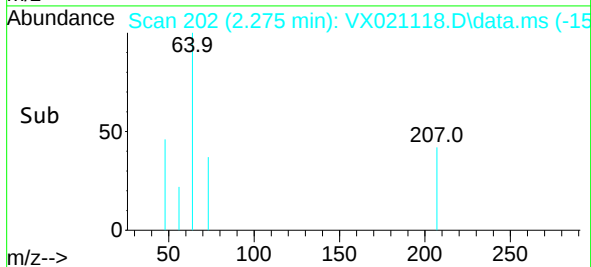
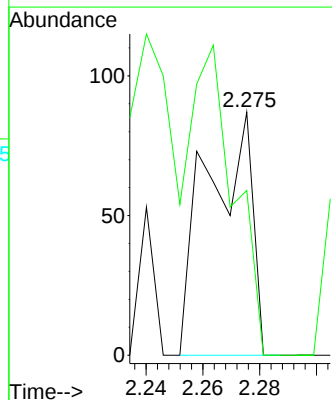
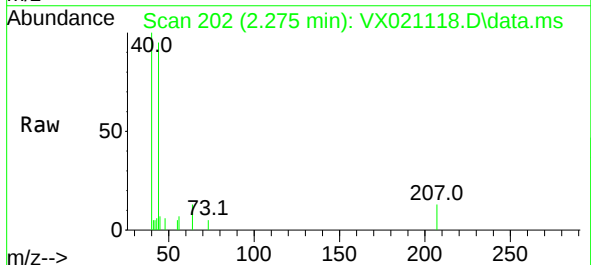
Instrument :  
MSVOA\_X  
ClientSampled :

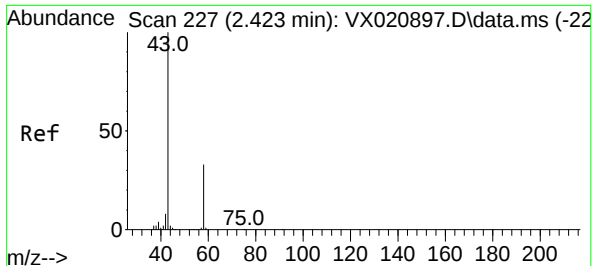
Tgt Ion: 59 Resp: 616  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#13  
Acrolein  
Concen: 0.27 ug/l  
RT: 2.275 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion: 56 Resp: 96  
Ion Ratio Lower Upper  
56 100  
55 117.7 56.4 84.6#

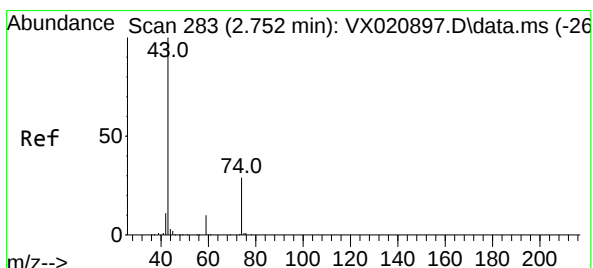
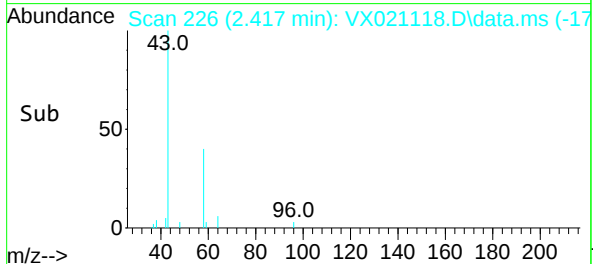
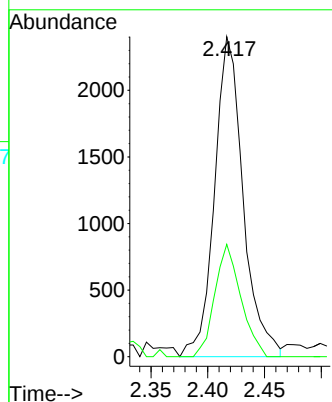
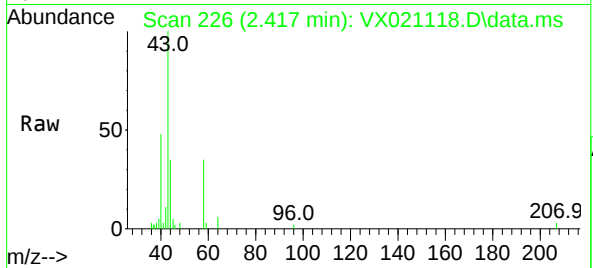




#16  
Acetone  
Concen: 3.89 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

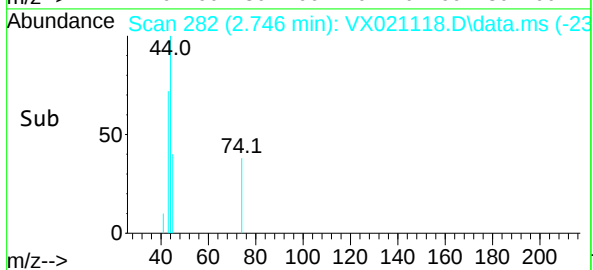
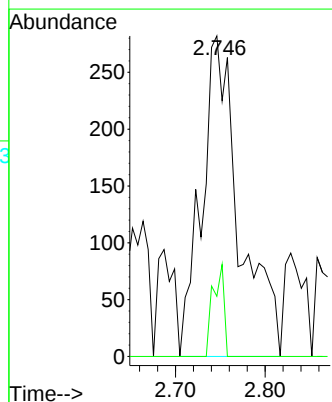
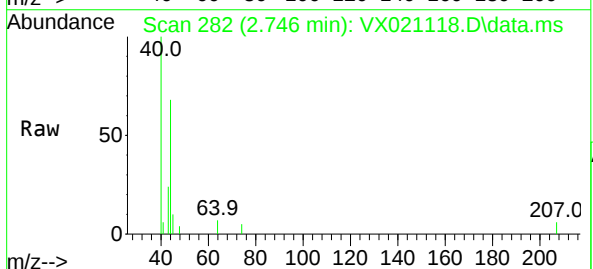
Instrument :  
MSVOA\_X  
ClientSampleId :

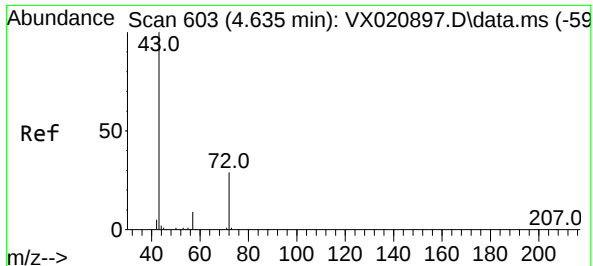
Tgt Ion: 43 Resp: 4208  
Ion Ratio Lower Upper  
43 100  
58 35.1 27.8 41.8



#18  
Methyl Acetate  
Concen: 0.32 ug/l  
RT: 2.746 min Scan# 282  
Delta R.T. -0.006 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion: 43 Resp: 822  
Ion Ratio Lower Upper  
43 100  
74 8.4 21.9 32.9#

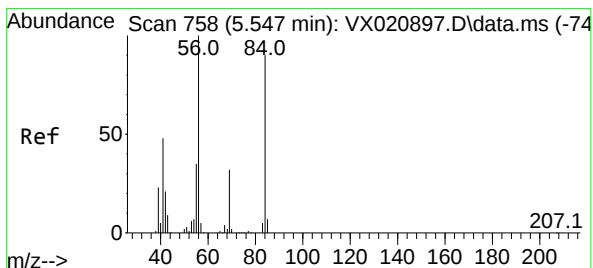
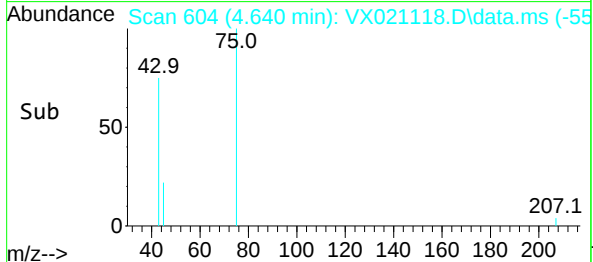
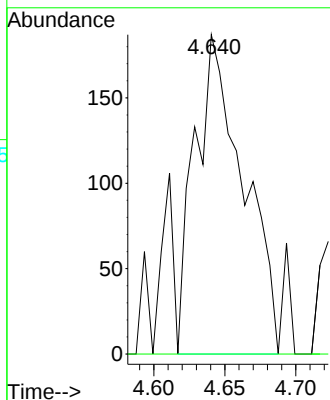
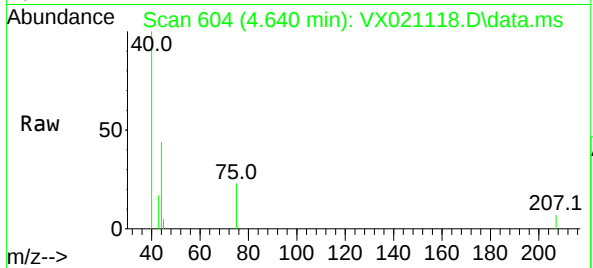




#25  
2-Butanone  
Concen: 0.27 ug/l  
RT: 4.640 min Scan# 604  
Delta R.T. 0.006 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

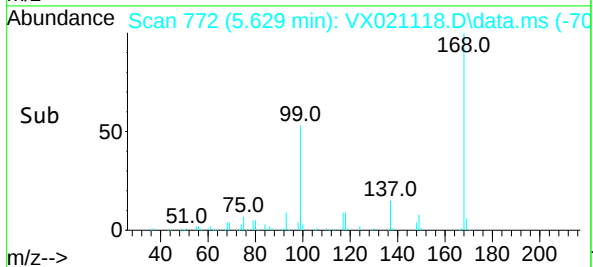
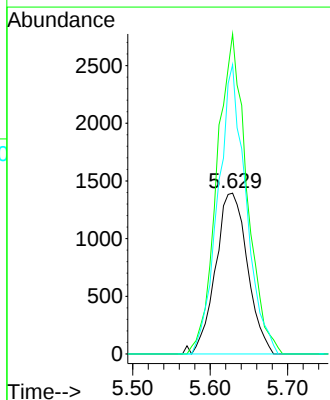
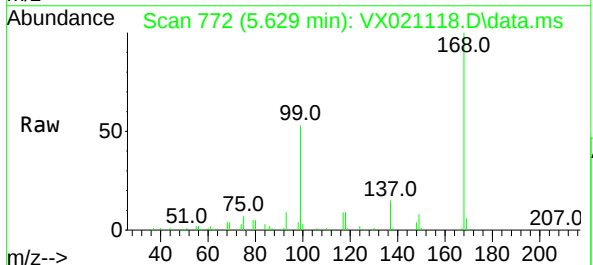
Instrument :  
MSVOA\_X  
ClientSampled :

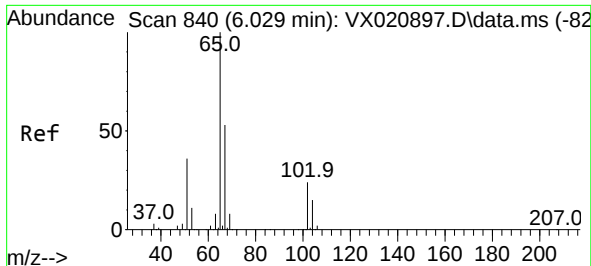
Tgt Ion: 43 Resp: 445  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#



#31  
Cyclohexane  
Concen: 1.05 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.082 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion: 56 Resp: 4003  
Ion Ratio Lower Upper  
56 100  
69 199.0 25.3 37.9#  
84 179.9 71.4 107.0#

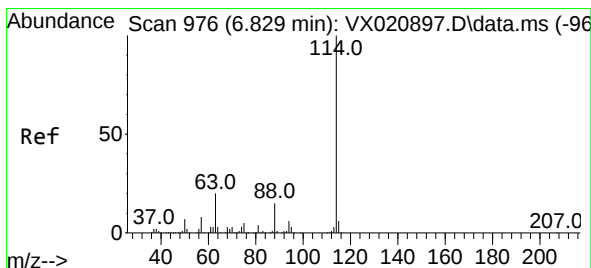
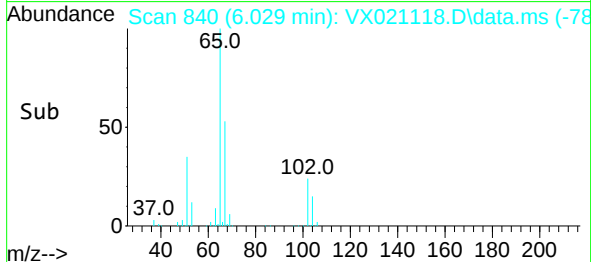
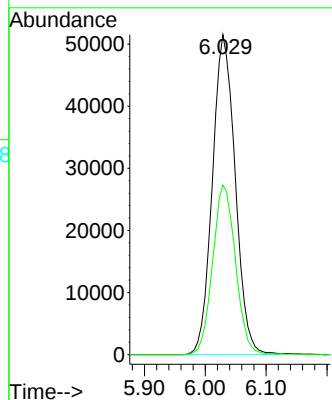
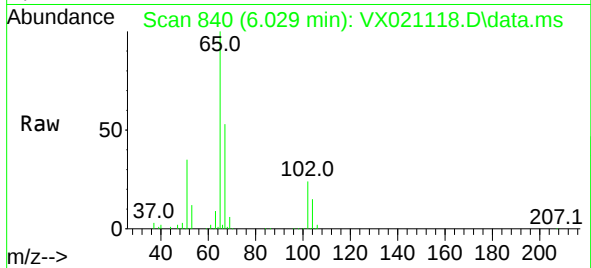




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.09 ug/l  
 RT: 6.029 min Scan# 840  
 Delta R.T. -0.000 min  
 Lab File: VX021118.D  
 Acq: 09 Mar 2021 18:44

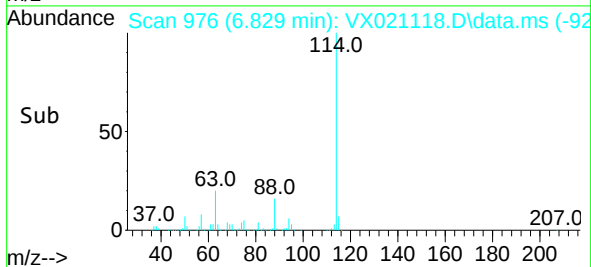
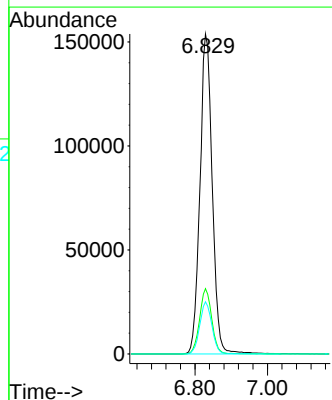
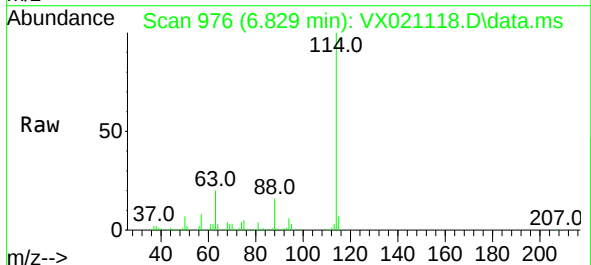
Instrument :  
 MSVOA\_X  
 ClientSampled :

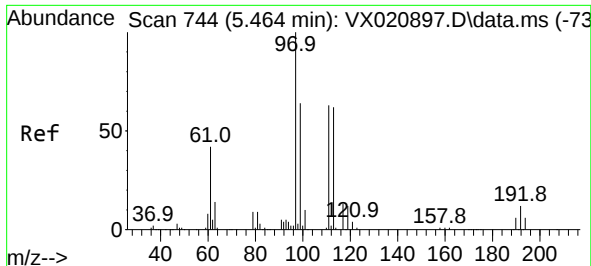
Tgt Ion: 65 Resp: 134146  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.829 min Scan# 976  
 Delta R.T. -0.000 min  
 Lab File: VX021118.D  
 Acq: 09 Mar 2021 18:44

Tgt Ion: 114 Resp: 362455  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 40.8  
 88 16.3 0.0 32.8

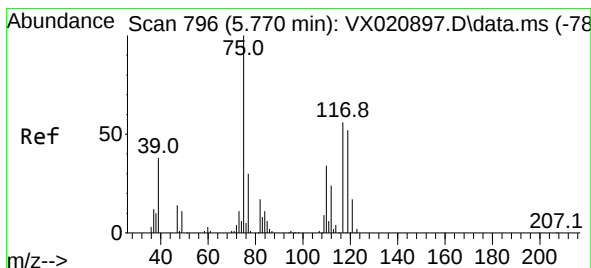
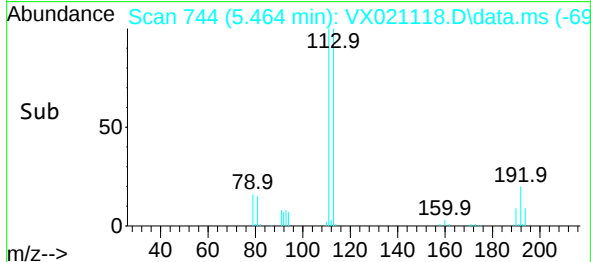
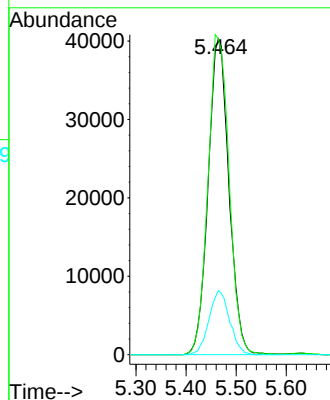
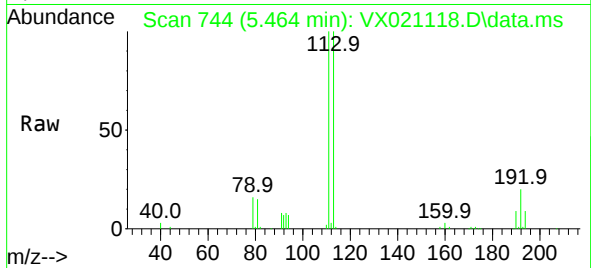




#35  
Dibromofluoromethane  
Concen: 52.73 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

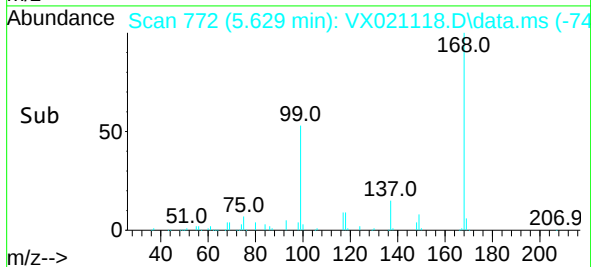
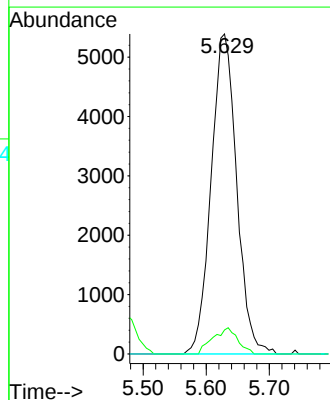
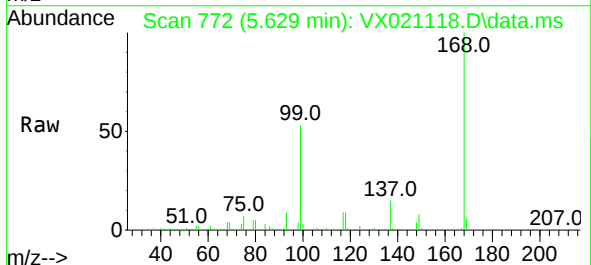
Instrument :  
MSVOA\_X  
ClientSampleId :

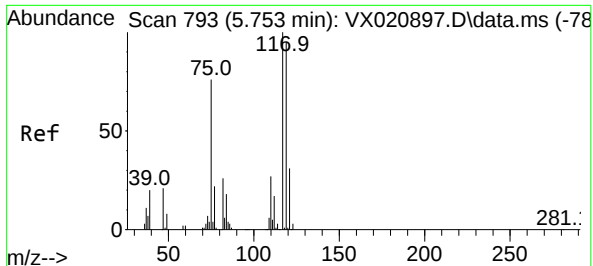
Tgt Ion:113 Resp: 116117  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.9 122.9  
192 20.1 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 4.40 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.141 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

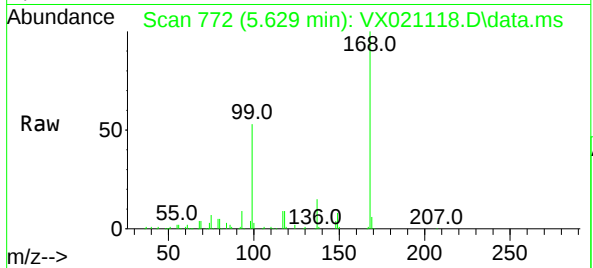
Tgt Ion: 75 Resp: 15163  
Ion Ratio Lower Upper  
75 100  
110 8.0 18.1 54.4#  
77 0.0 25.3 37.9#



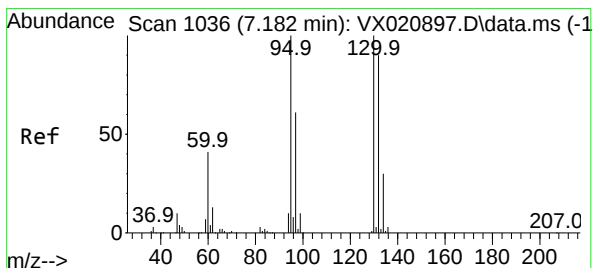
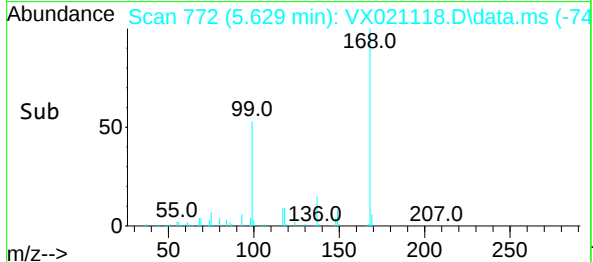
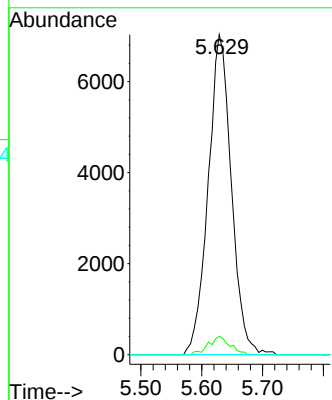


#38  
Carbon Tetrachloride  
Concen: 5.58 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.124 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Instrument :  
MSVOA\_X  
ClientSampled :

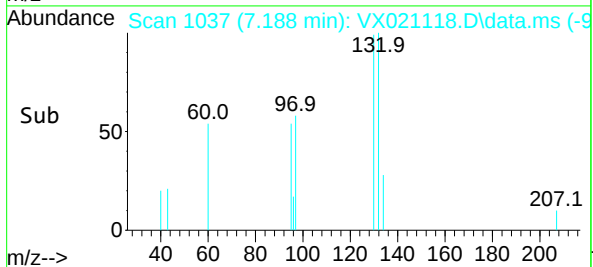
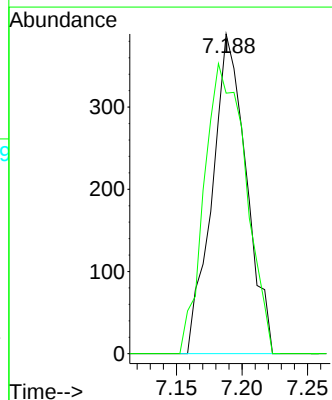
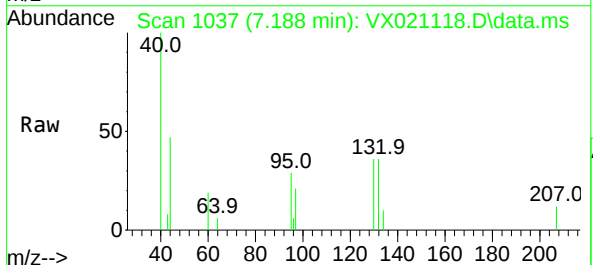


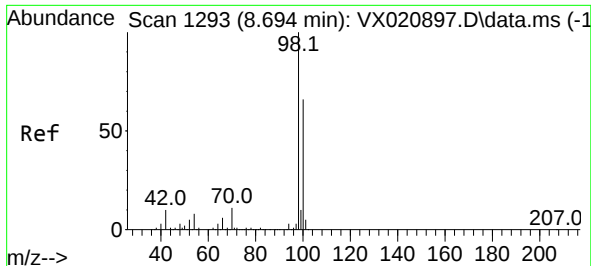
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Ion Ratio Lower Upper  
117 100  
119 5.7 76.2 114.2#  
121 0.0 24.8 37.2#



#44  
Trichloroethene  
Concen: 0.26 ug/l  
RT: 7.188 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion:130 Resp: 707  
Ion Ratio Lower Upper  
130 100  
95 81.5 0.0 198.0

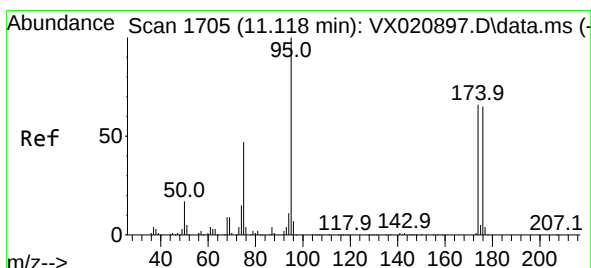
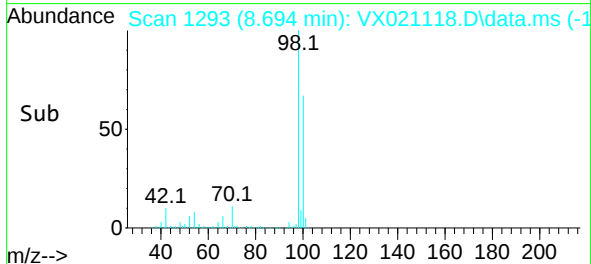
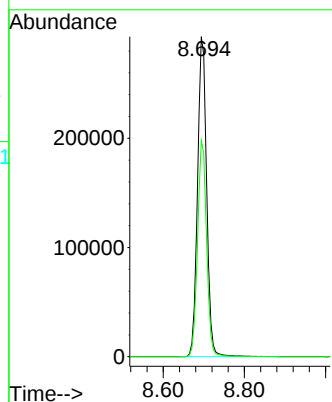
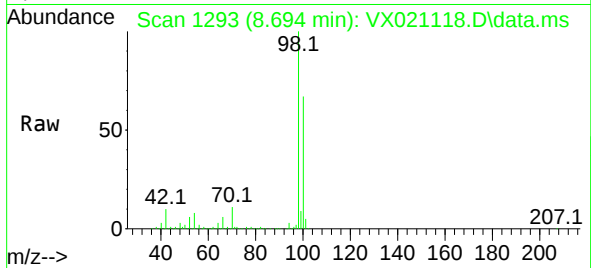




#50  
Toluene-d8  
Concen: 53.46 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

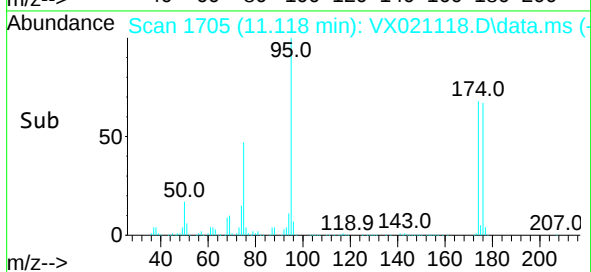
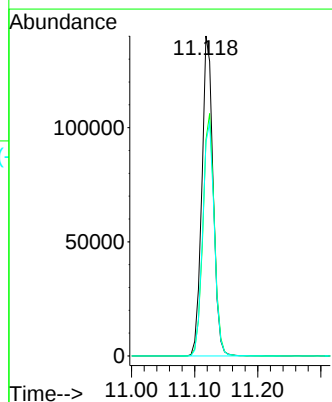
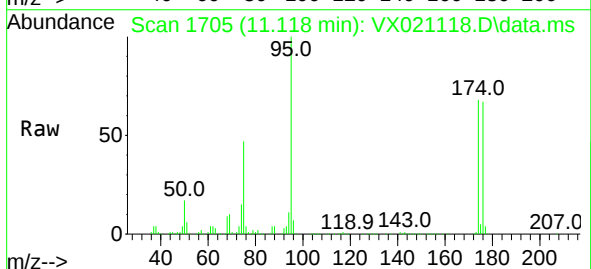
Instrument :  
MSVOA\_X  
ClientSampled :

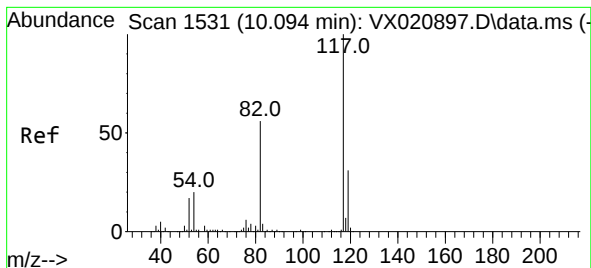
Tgt Ion: 98 Resp: 459073  
Ion Ratio Lower Upper  
98 100  
100 67.1 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 54.76 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion: 95 Resp: 173853  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 154.6  
176 75.2 0.0 155.8

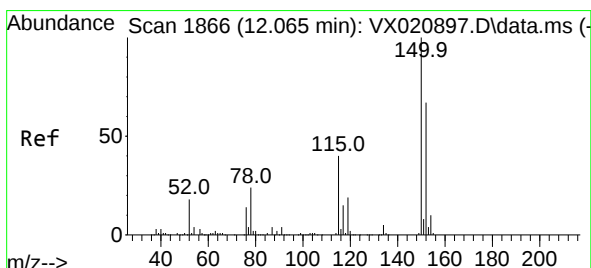
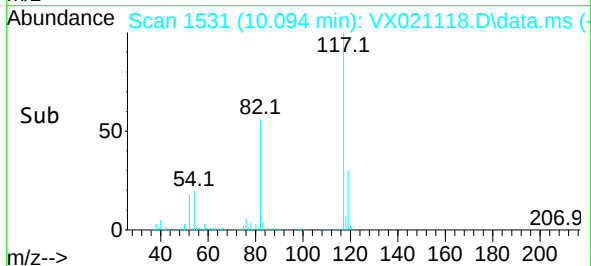
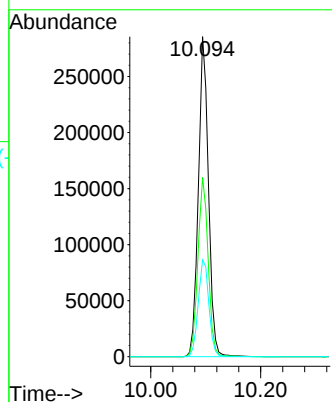
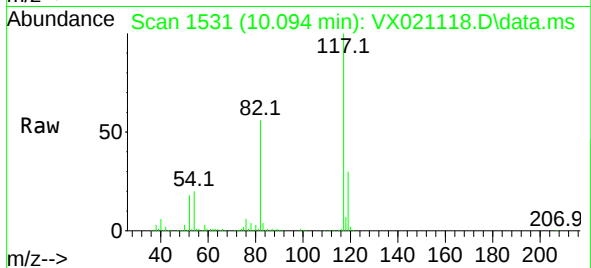




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

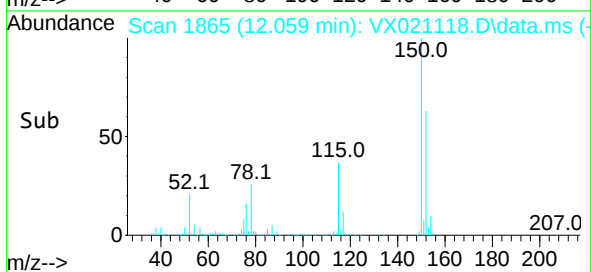
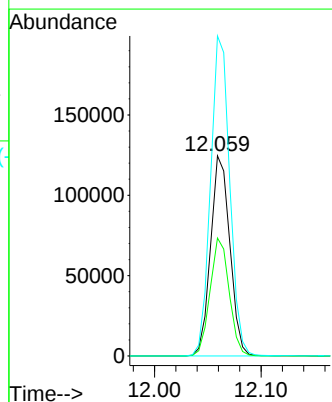
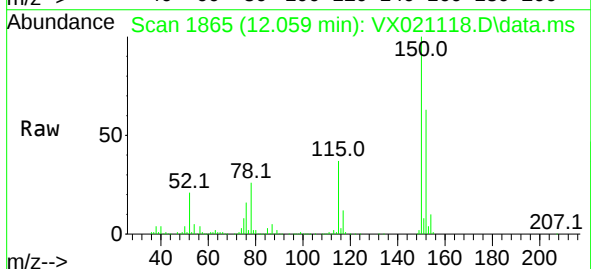
Instrument :  
MSVOA\_X  
ClientSampled :

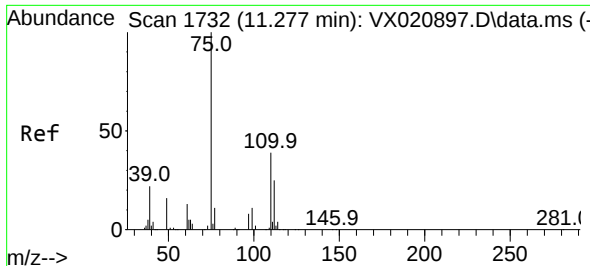
Tgt Ion:117 Resp: 364678  
Ion Ratio Lower Upper  
117 100  
82 56.0 47.4 71.2  
119 30.2 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion:152 Resp: 156530  
Ion Ratio Lower Upper  
152 100  
115 58.5 41.1 123.3  
150 159.3 0.0 349.0

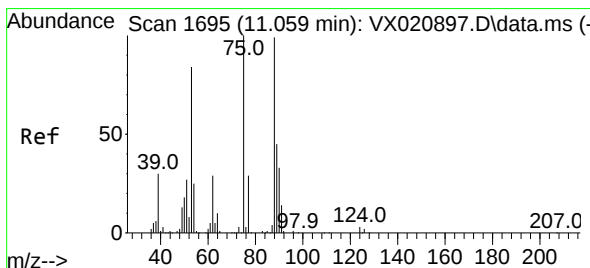
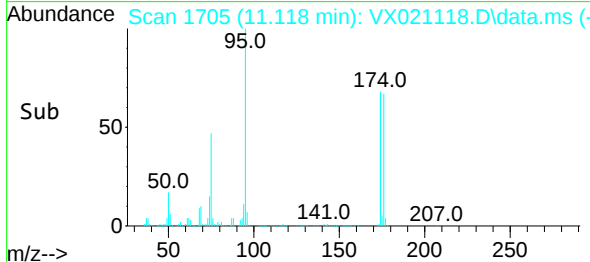
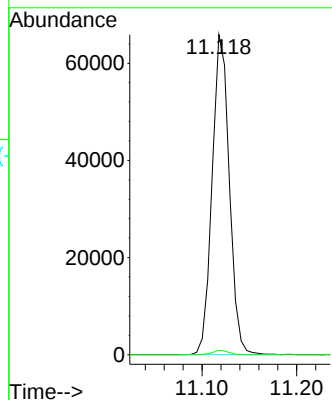
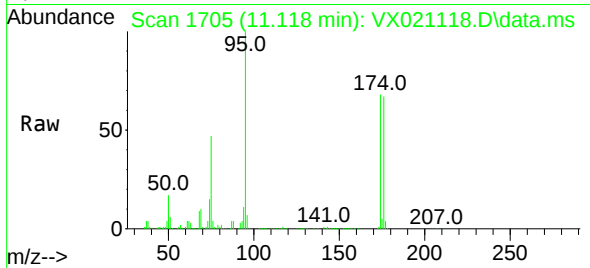




#76  
1,2,3-Trichloropropane  
Concen: 24.62 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 82907  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.51 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021118.D  
Acq: 09 Mar 2021 18:44

Tgt Ion: 75 Resp: 82907  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

