

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021022\  
 Data File : VX026945.D  
 Acq On : 11 Feb 2022 01:59  
 Operator : JC/MD  
 Sample : N1467-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-30D

Quant Time: Feb 11 04:07:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

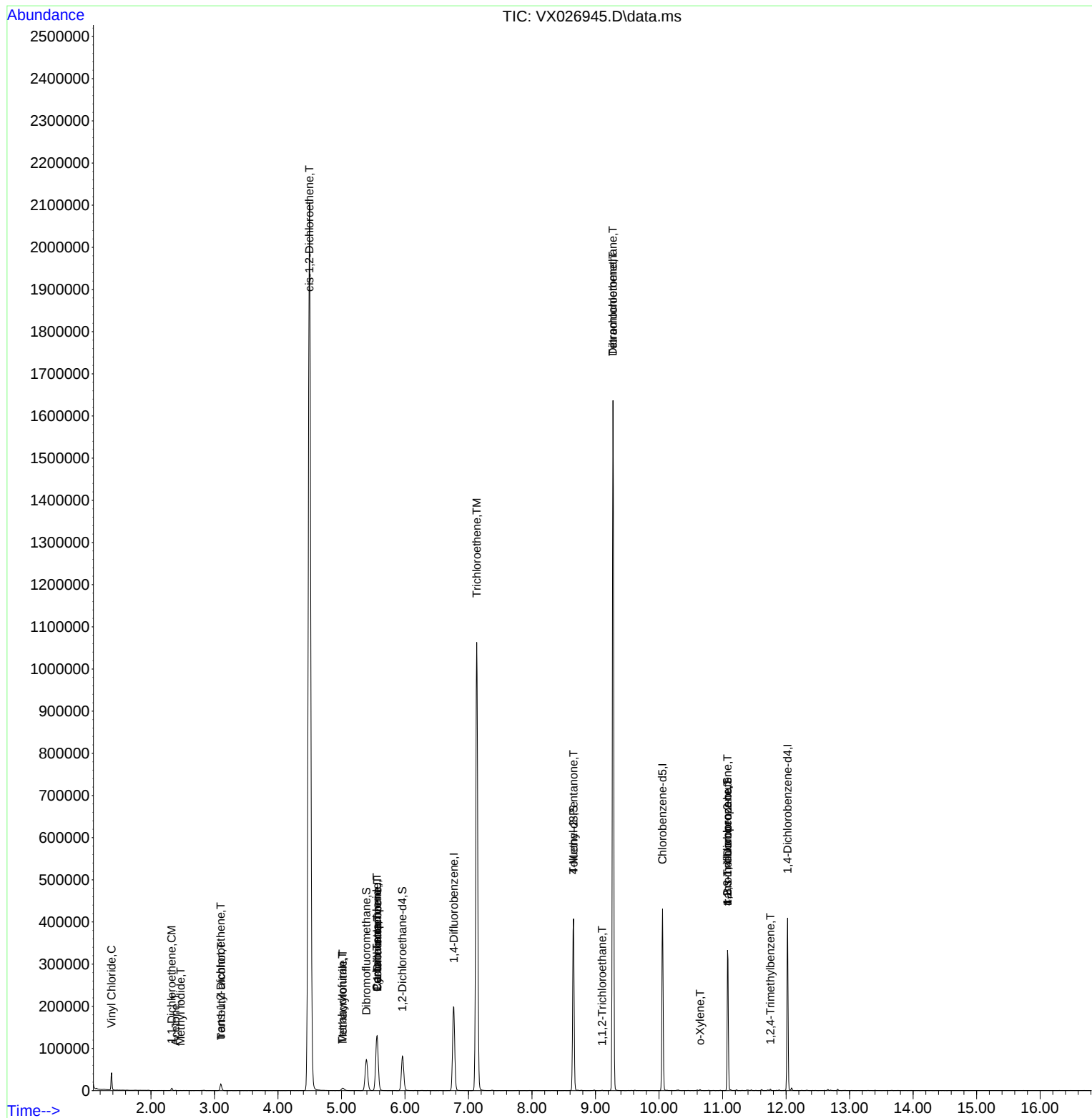
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 124028   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 206698   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 189291   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 81866    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 79772    | 53.580   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 107.160% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 64043    | 52.006   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 104.020% |          |
| 50) Toluene-d8                | 8.653  | 98    | 243926   | 53.962   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 107.920% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 90486    | 56.857   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 113.720% |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 4) Vinyl Chloride             | 1.380  | 62    | 25795    | 19.641   | ug/l       | 99       |
| 10) Methyl Iodide             | 2.465  | 142   | 193      | 2.359    | ug/l #     | 68       |
| 11) Tert butyl alcohol        | 3.105  | 59    | 240      | 0.892    | ug/l #     | 1        |
| 12) 1,1-Dichloroethene        | 2.325  | 96    | 1897     | 1.494    | ug/l       | 86       |
| 16) Acetone                   | 2.386  | 43    | 791      | 1.210    | ug/l       | 96       |
| 21) trans-1,2-Dichloroethene  | 3.099  | 96    | 6010     | 4.500    | ug/l       | 95       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 1316696  | 858.566  | ug/l       | 88       |
| 29) Tetrahydrofuran           | 5.013  | 42    | 6076     | 8.483    | ug/l       | 97       |
| 31) Cyclohexane               | 5.562  | 56    | 2716     | 1.148    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 9562     | 4.922    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 12651    | 6.210    | ug/l #     | 16       |
| 41) Methacrylonitrile         | 5.019  | 41    | 3389     | 2.832    | ug/l #     | 46       |
| 44) Trichloroethene           | 7.129  | 130   | 407718   | 239.826  | ug/l       | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 965      | 0.469    | ug/l #     | 1        |
| 55) 1,1,2-Trichloroethane     | 9.104  | 97    | 339      | 0.250    | ug/l #     | 15       |
| 60) Dibromochloromethane      | 9.275  | 129   | 296671   | 212.458  | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 306160   | 161.039  | ug/l       | 97       |
| 69) o-Xylene                  | 10.646 | 106   | 580      | 0.222    | ug/l       | 97       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 45436    | 25.354   | ug/l #     | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 45436    | 77.287   | ug/l #     | 3        |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 1575     | 0.294    | ug/l       | 97       |

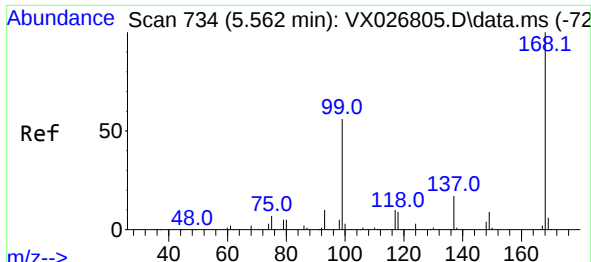
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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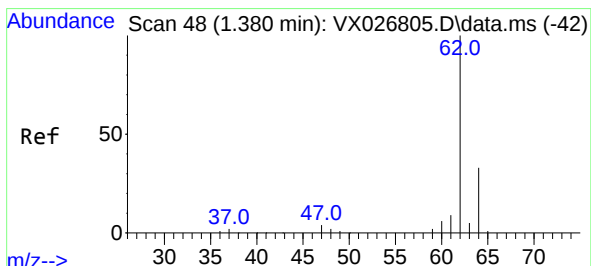
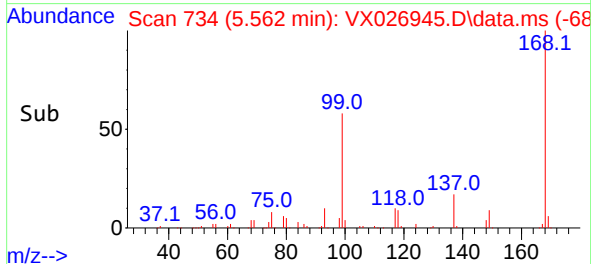
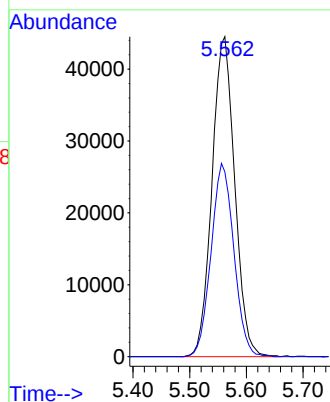
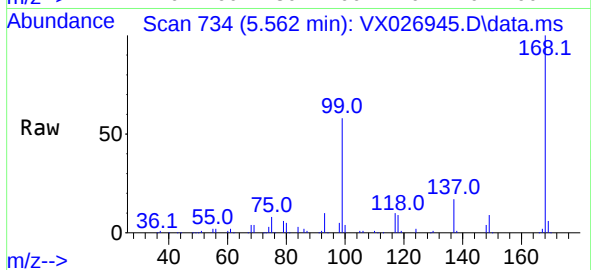




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

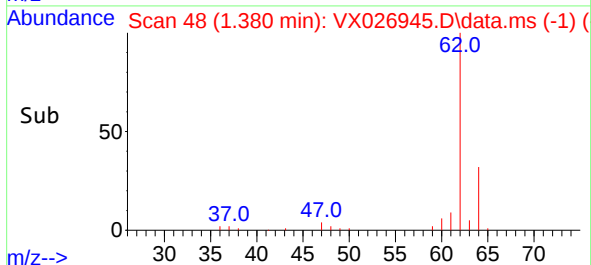
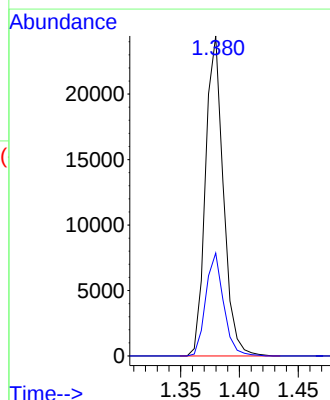
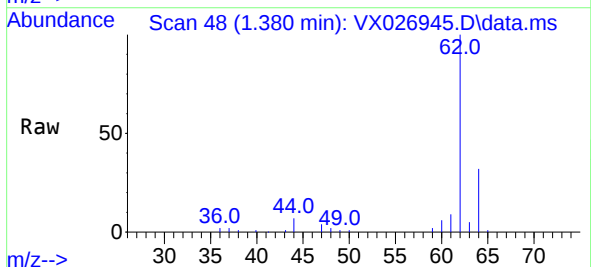
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

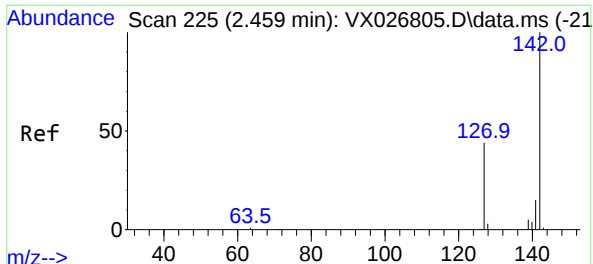
Tgt Ion:168 Resp: 124028  
Ion Ratio Lower Upper  
168 100  
99 57.7 50.3 75.5



#4  
Vinyl Chloride  
Concen: 19.641 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 62 Resp: 25795  
Ion Ratio Lower Upper  
62 100  
64 32.1 26.2 39.2

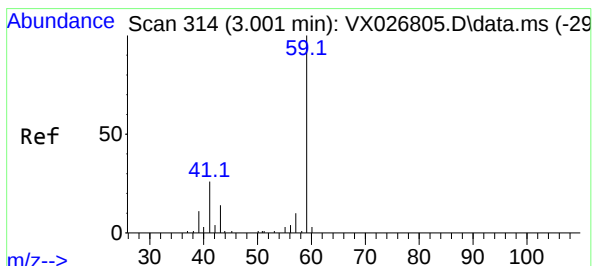
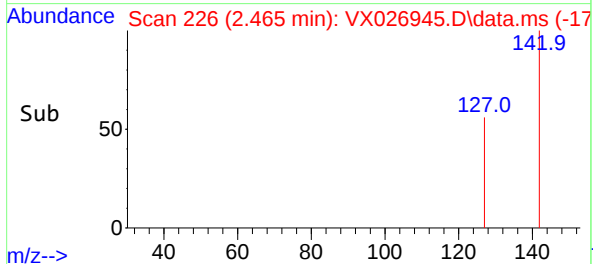
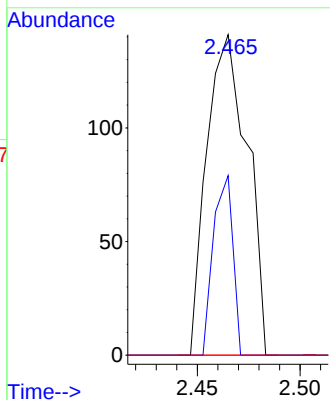
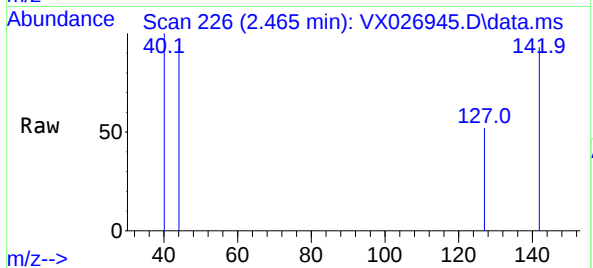




#10  
Methyl Iodide  
Concen: 2.359 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

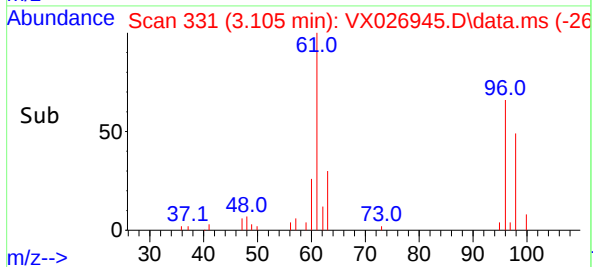
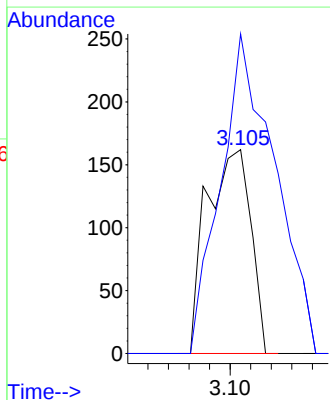
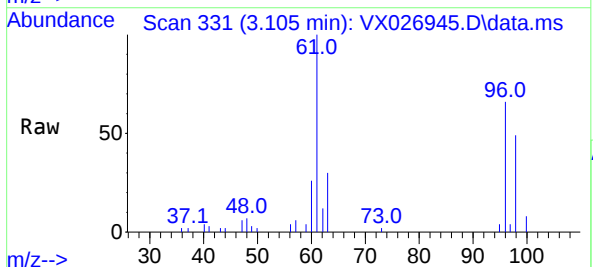
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

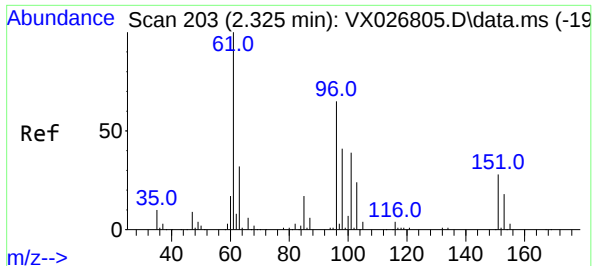
Tgt Ion:142 Resp: 193  
Ion Ratio Lower Upper  
142 100  
127 26.9 38.1 57.1#  
141 0.0 11.2 16.8#



#11  
Tert butyl alcohol  
Concen: 0.892 ug/l  
RT: 3.105 min Scan# 331  
Delta R.T. 0.104 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 59 Resp: 240  
Ion Ratio Lower Upper  
59 100  
57 193.8 7.2 10.8#

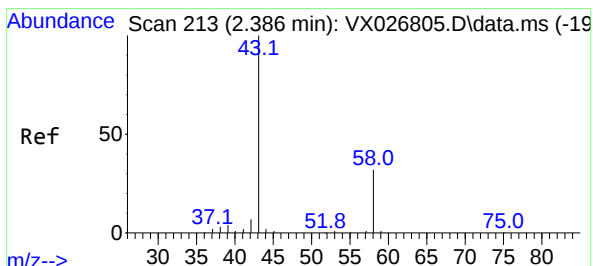
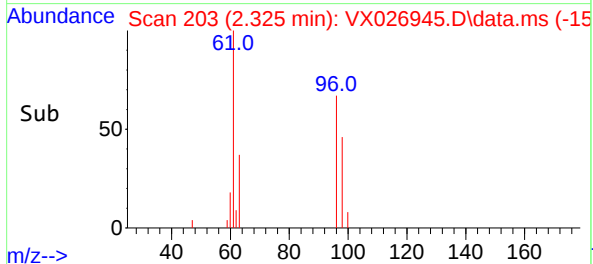
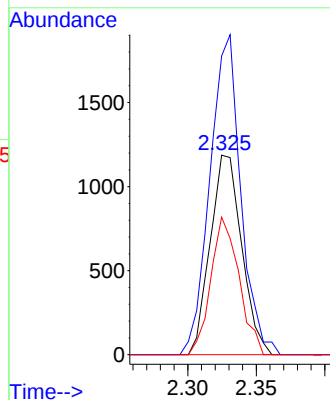
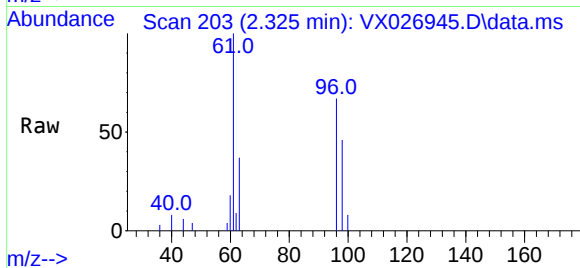




#12  
1,1-Dichloroethene  
Concen: 1.494 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

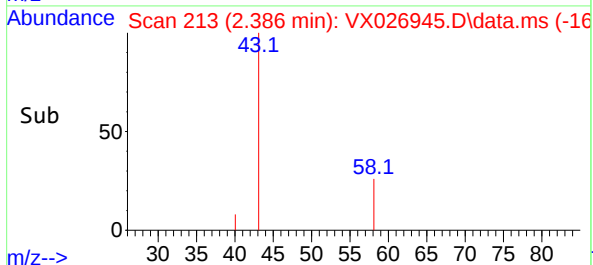
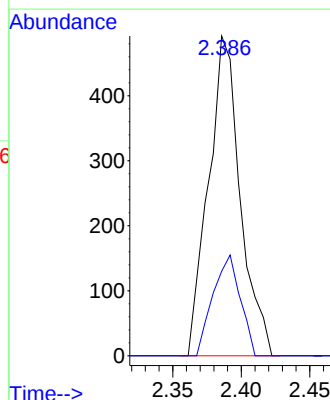
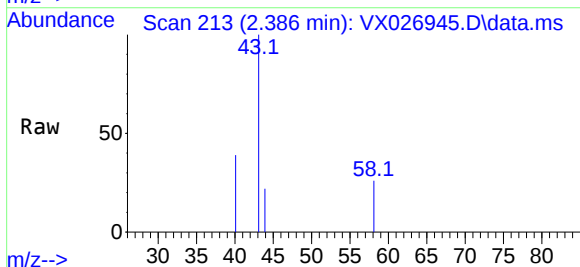
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

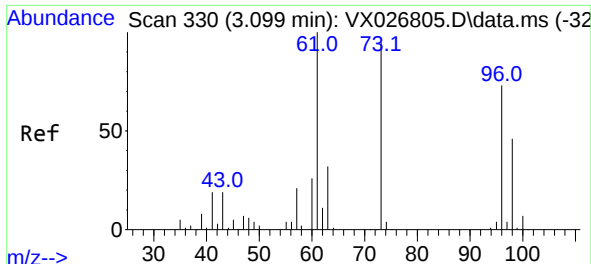
Tgt Ion: 96 Resp: 1897  
Ion Ratio Lower Upper  
96 100  
61 149.7 138.5 207.7  
98 69.0 51.8 77.6



#16  
Acetone  
Concen: 1.210 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 43 Resp: 791  
Ion Ratio Lower Upper  
43 100  
58 26.4 23.0 34.6

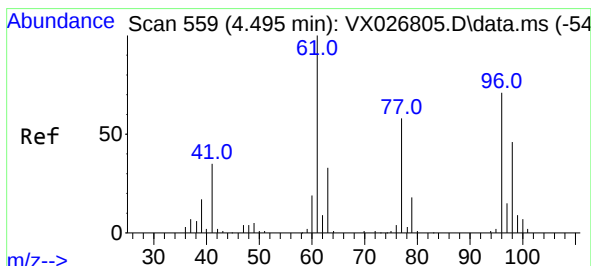
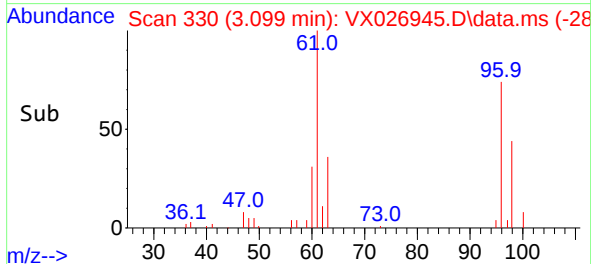
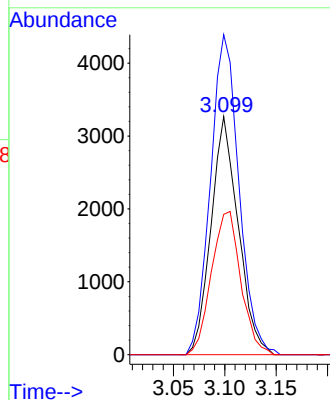
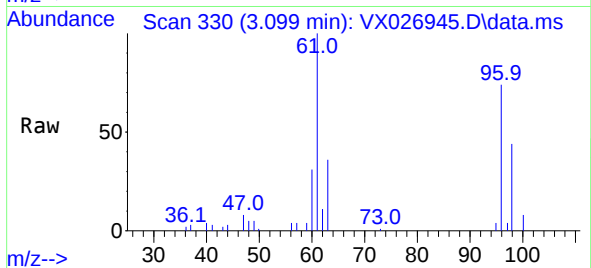




#21  
trans-1,2-Dichloroethene  
Concen: 4.500 ug/l  
RT: 3.099 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

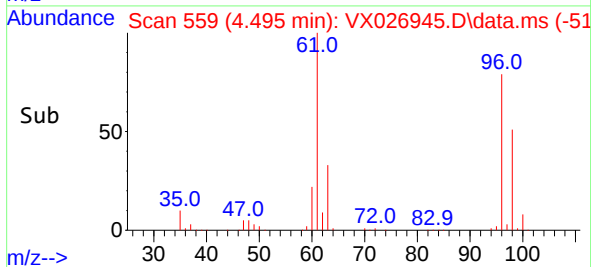
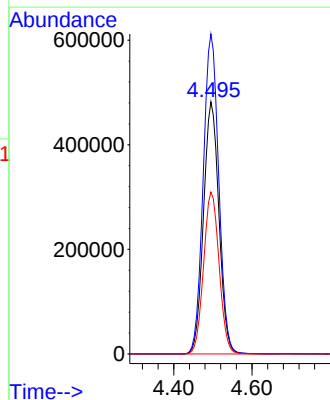
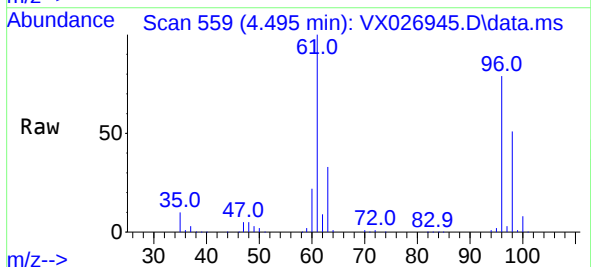
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

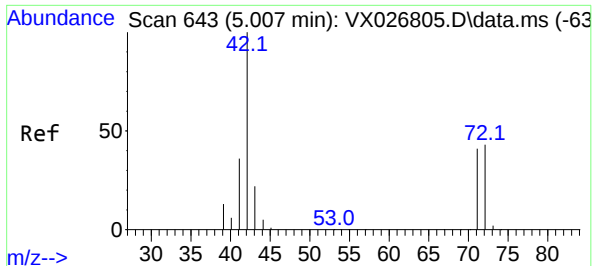
Tgt Ion: 96 Resp: 6010  
Ion Ratio Lower Upper  
96 100  
61 134.4 112.9 169.3  
98 59.0 49.5 74.3



#27  
cis-1,2-Dichloroethene  
Concen: 858.566 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 96 Resp: 1316696  
Ion Ratio Lower Upper  
96 100  
61 127.7 0.0 296.6  
98 64.6 0.0 128.8





#29

Tetrahydrofuran

Concen: 8.483 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

Instrument :

MSVOA\_X

ClientSampleId :

MW-30D

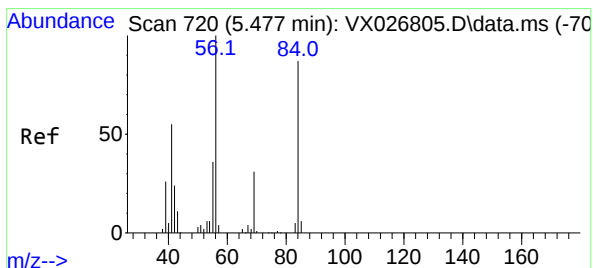
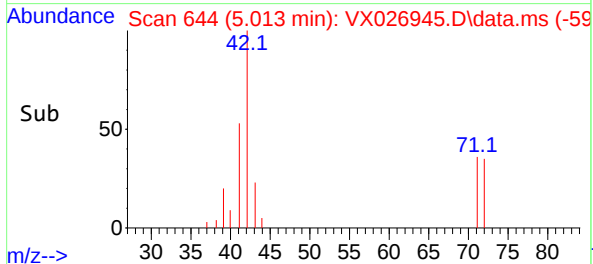
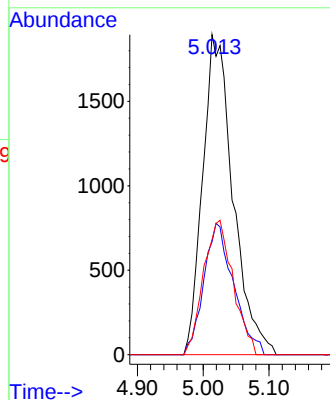
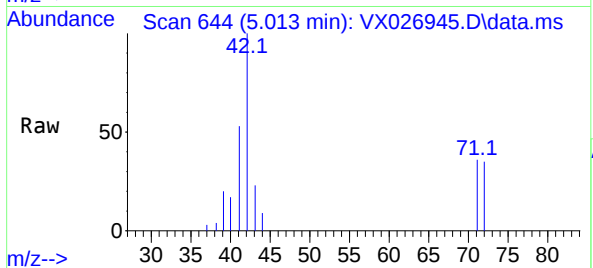
Tgt Ion: 42 Resp: 6076

Ion Ratio Lower Upper

42 100

72 40.4 34.6 52.0

71 40.9 31.8 47.8



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

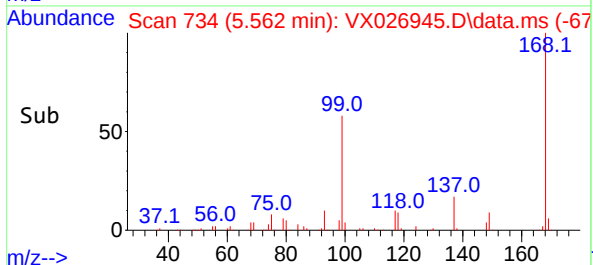
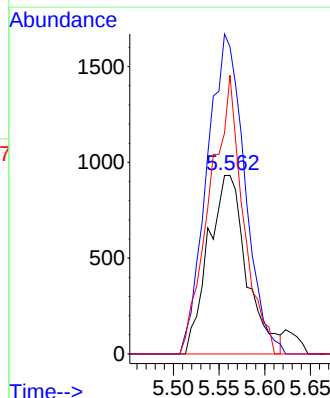
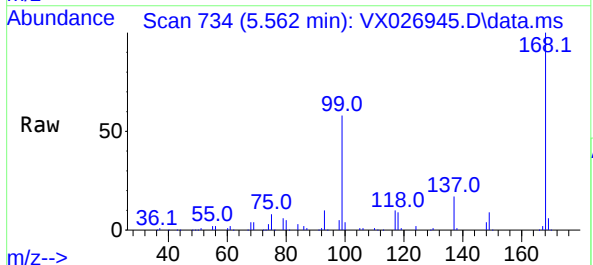
Tgt Ion: 56 Resp: 2716

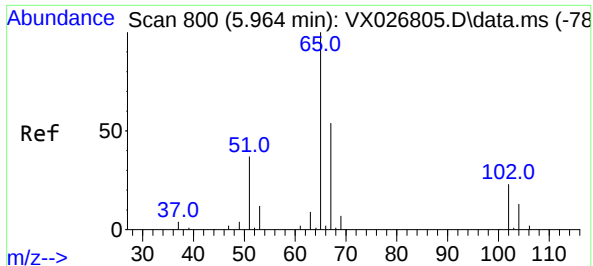
Ion Ratio Lower Upper

56 100

69 172.0 25.8 38.6#

84 156.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.580 ug/l

RT: 5.958 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

Instrument :

MSVOA\_X

ClientSampleId :

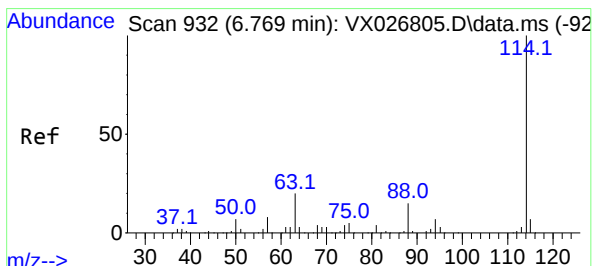
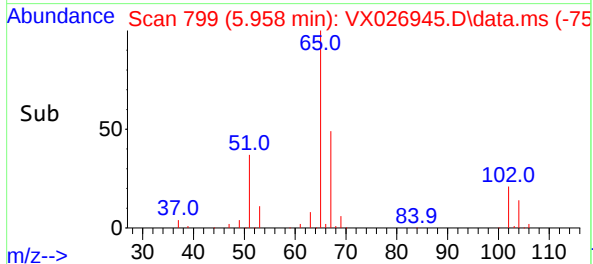
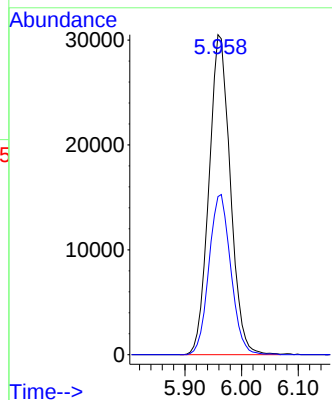
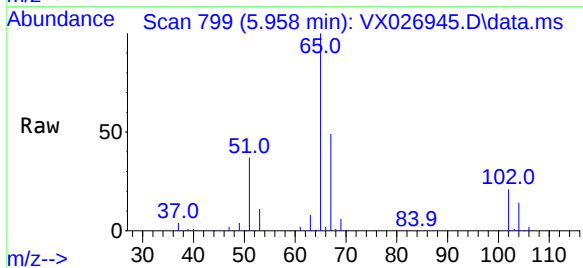
MW-30D

Tgt Ion: 65 Resp: 79772

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

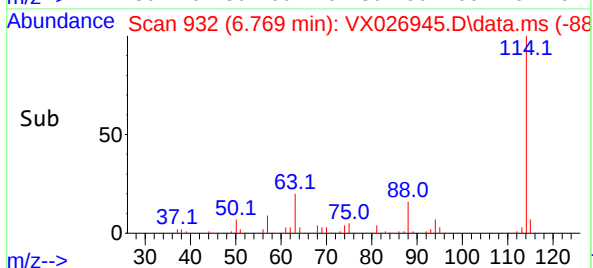
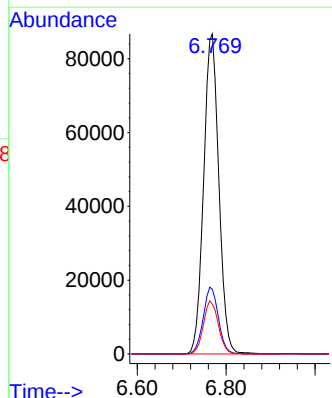
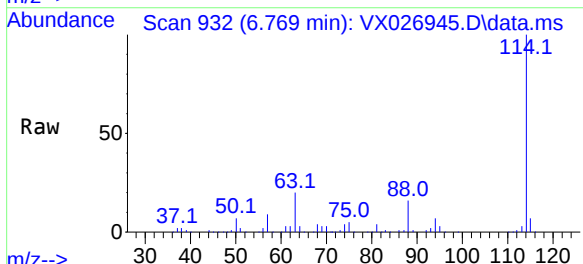
Tgt Ion: 114 Resp: 206698

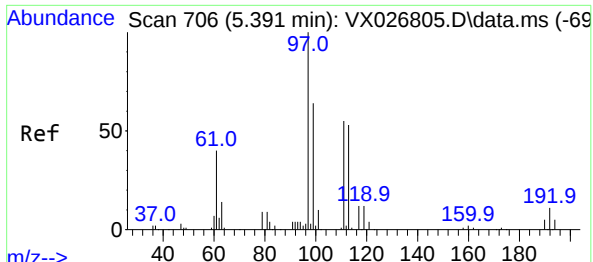
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

88 15.6 0.0 33.0

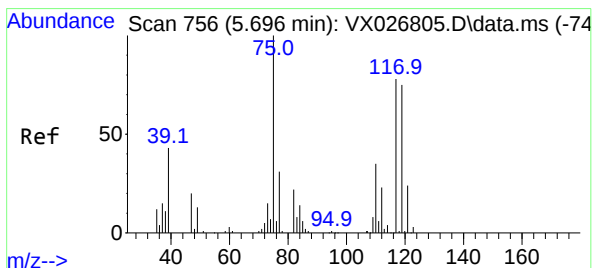
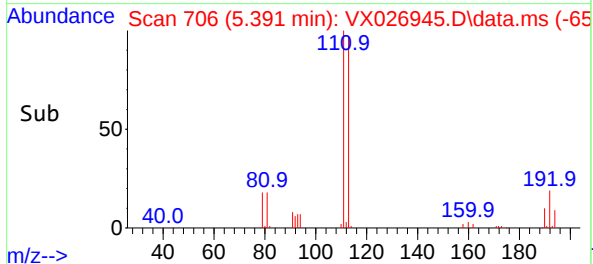
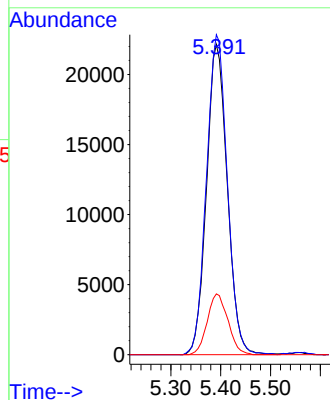
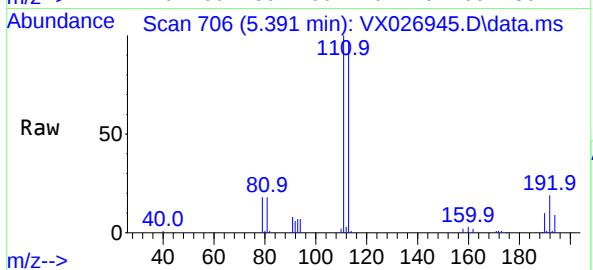




#35  
Dibromofluoromethane  
Concen: 52.006 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

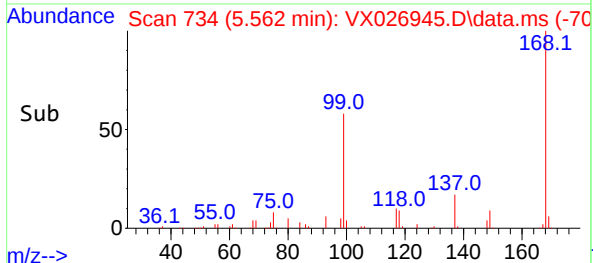
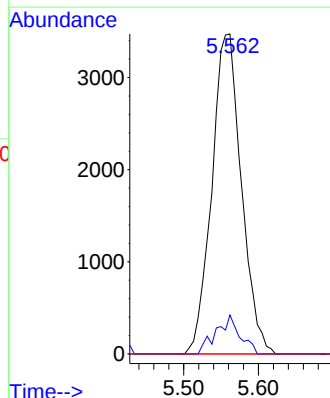
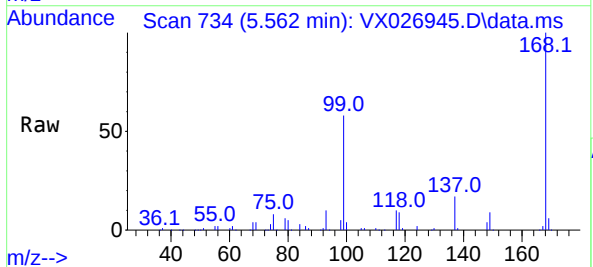
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

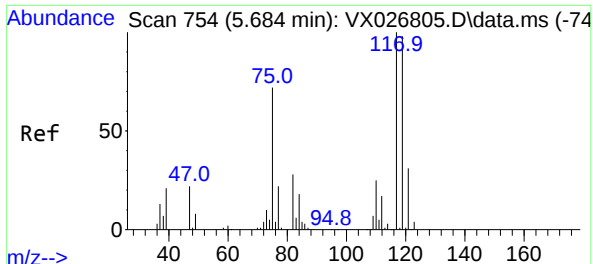
Tgt Ion:113 Resp: 64043  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.2 121.8  
192 19.5 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 4.922 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

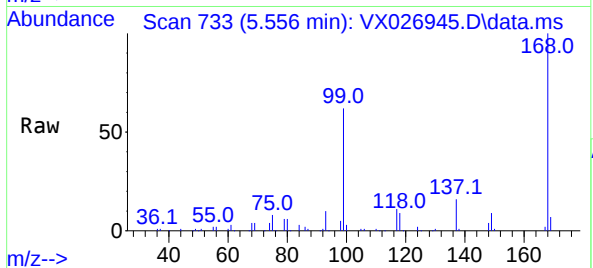
Tgt Ion: 75 Resp: 9562  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.2 51.6#  
77 0.0 24.6 36.8#



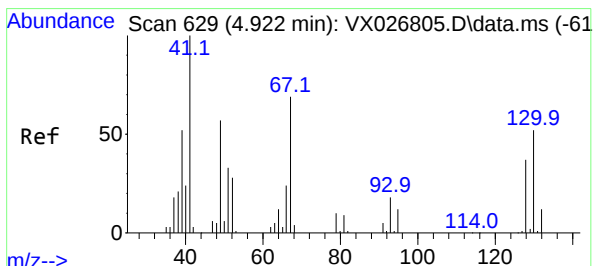
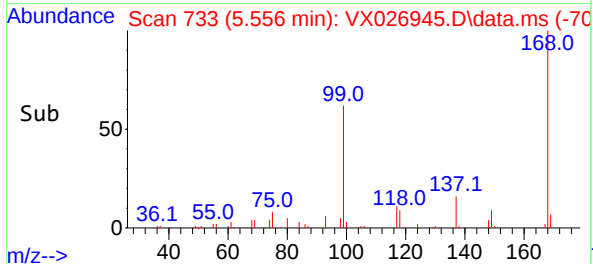
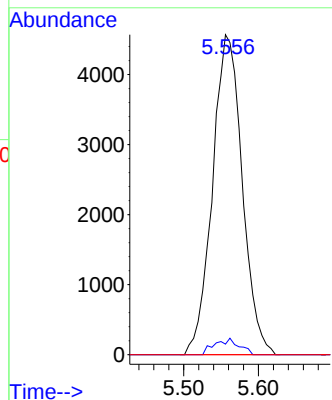


#38  
Carbon Tetrachloride  
Concen: 6.210 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

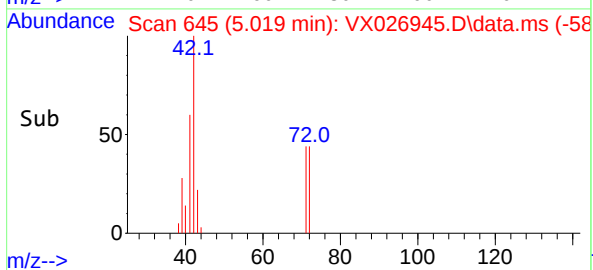
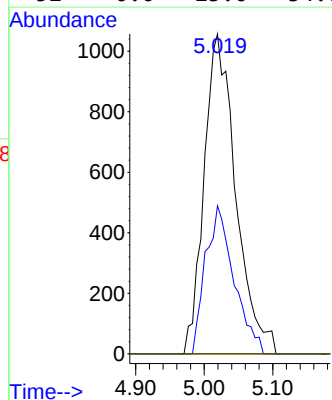
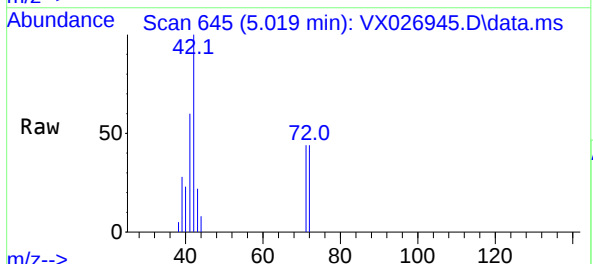


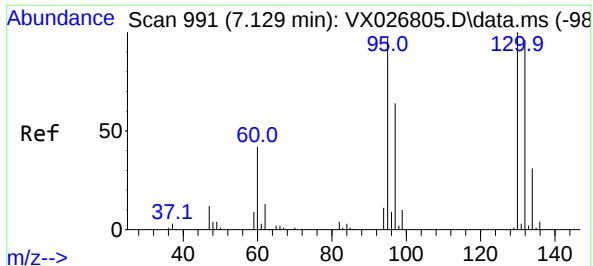
Tgt Ion:117 Resp: 12651  
Ion Ratio Lower Upper  
117 100  
119 3.3 74.7 112.1#  
121 0.0 25.4 38.0#



#41  
Methacrylonitrile  
Concen: 2.832 ug/l  
RT: 5.019 min Scan# 645  
Delta R.T. 0.098 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 41 Resp: 3389  
Ion Ratio Lower Upper  
41 100  
39 41.6 45.4 68.0#  
67 0.0 53.2 79.8#  
52 0.0 23.0 34.6#

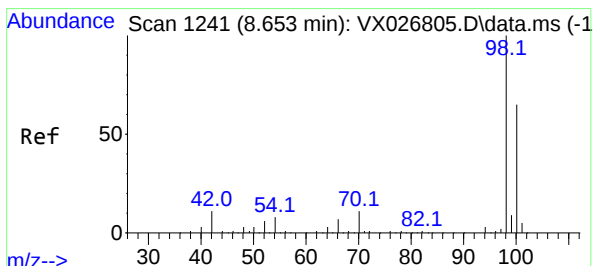
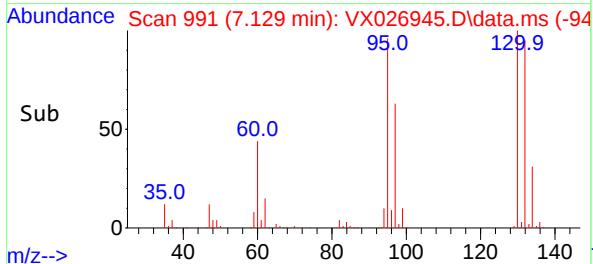
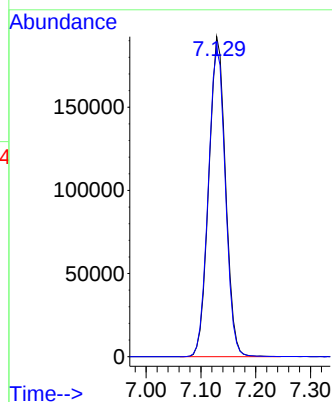
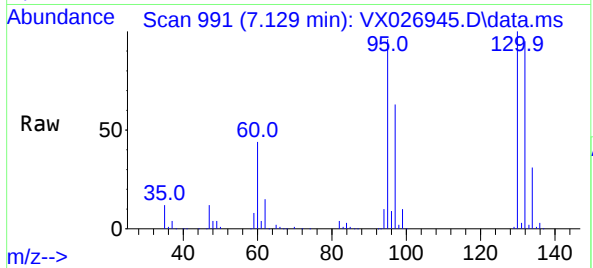




#44  
Trichloroethene  
Concen: 239.826 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

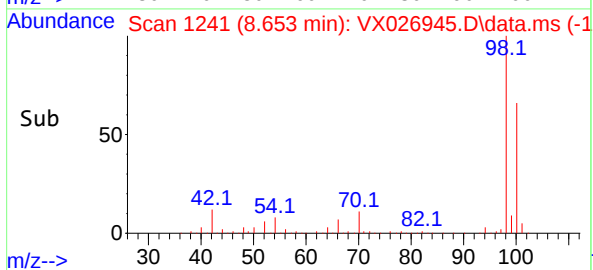
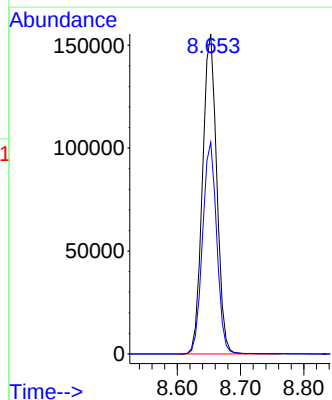
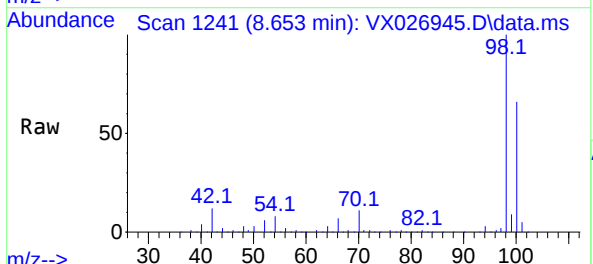
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

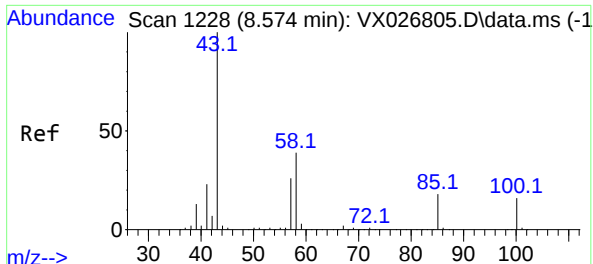
Tgt Ion:130 Resp: 407718  
Ion Ratio Lower Upper  
130 100  
95 96.3 0.0 202.6



#50  
Toluene-d8  
Concen: 53.962 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 98 Resp: 243926  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

Instrument :

MSVOA\_X

ClientSampleId :

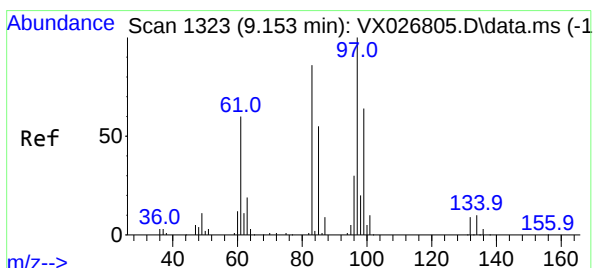
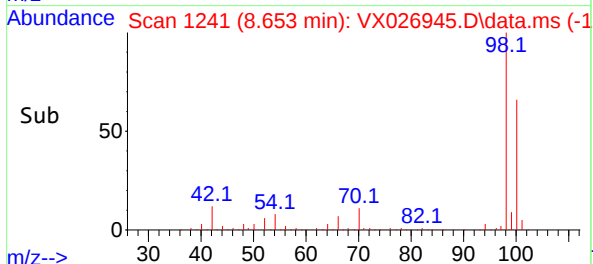
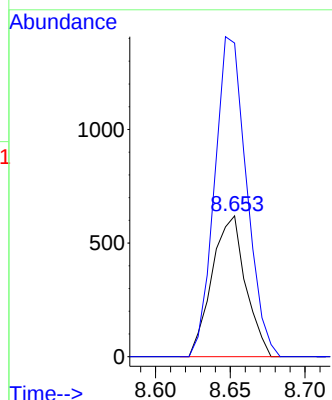
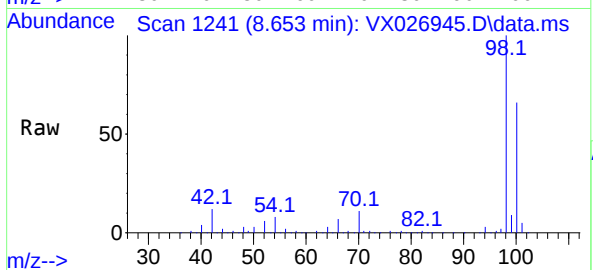
MW-30D

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

58 216.7 30.5 45.7#



#55

1,1,2-Trichloroethane

Concen: 0.250 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.049 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

Tgt Ion: 97 Resp: 339

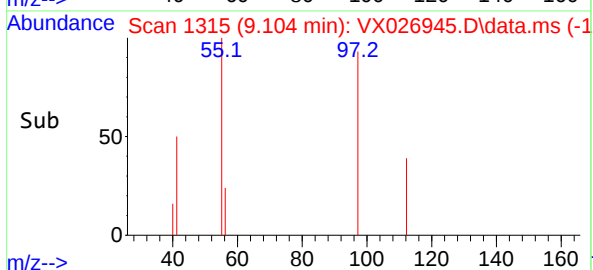
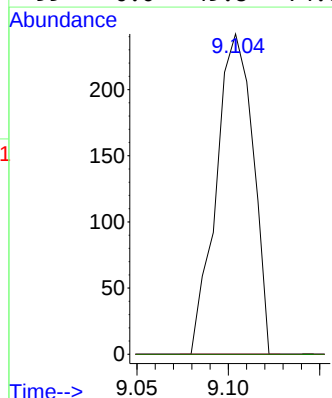
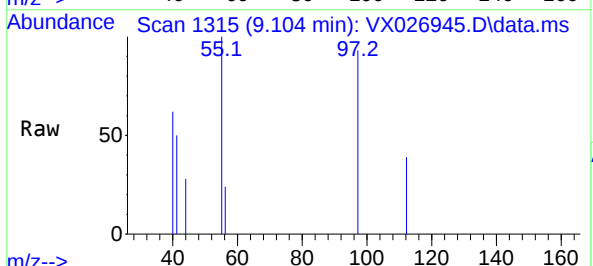
Ion Ratio Lower Upper

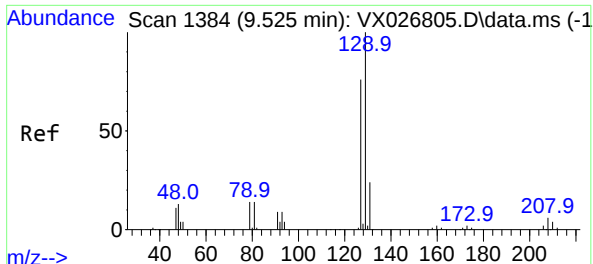
97 100

83 0.0 68.4 102.6#

85 0.0 44.0 66.0#

99 0.0 49.8 74.6#





#60

Dibromochloromethane

Concen: 212.458 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.250 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

Instrument :

MSVOA\_X

ClientSampleId :

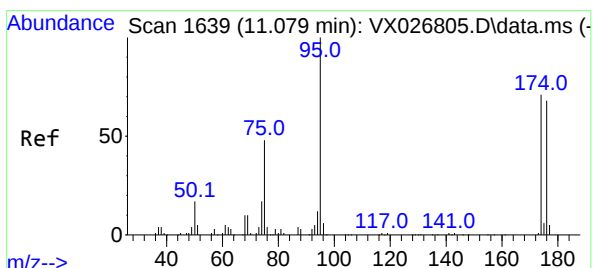
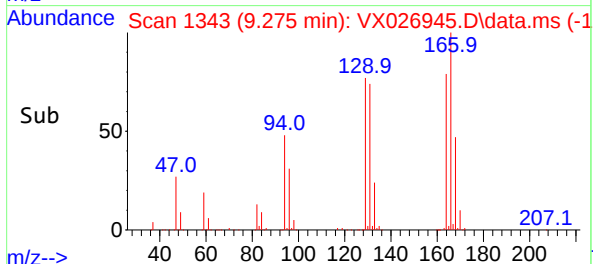
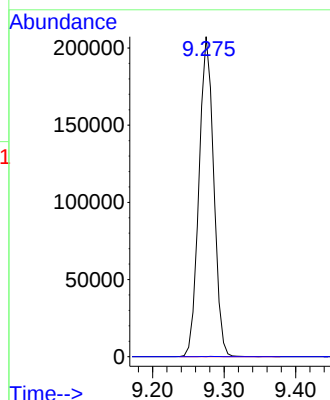
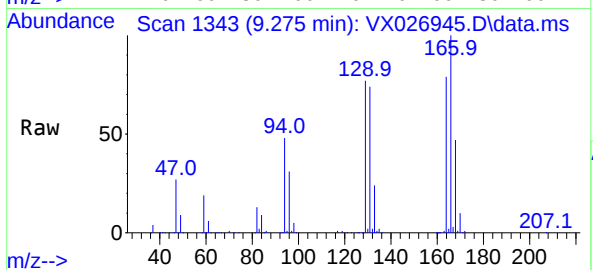
MW-30D

Tgt Ion:129 Resp: 296671

Ion Ratio Lower Upper

129 100

127 0.1 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 56.857 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026945.D

Acq: 11 Feb 2022 01:59

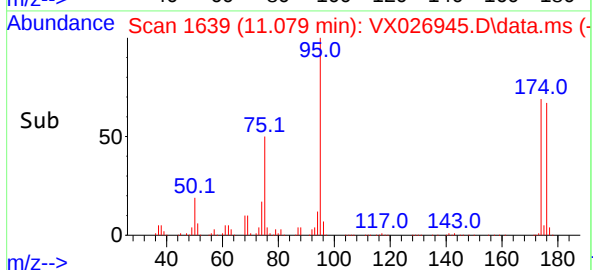
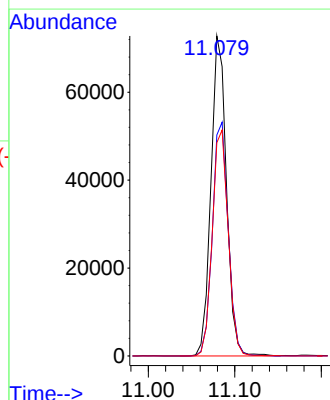
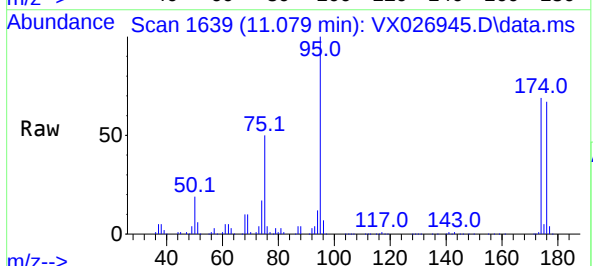
Tgt Ion: 95 Resp: 90486

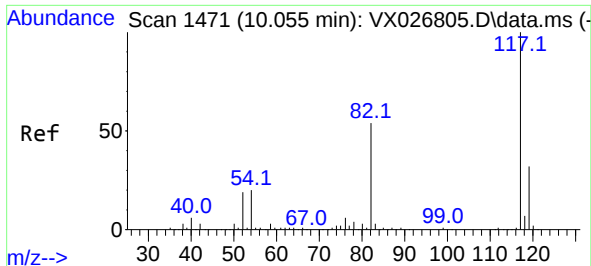
Ion Ratio Lower Upper

95 100

174 74.4 0.0 148.6

176 72.7 0.0 141.4

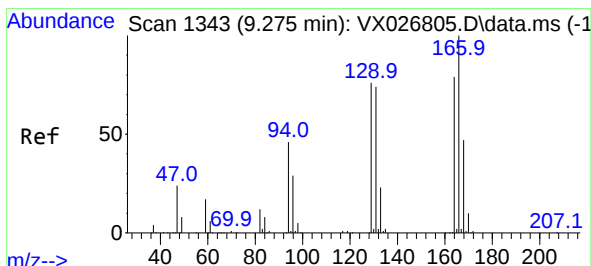
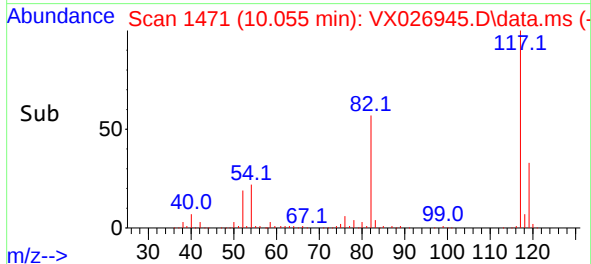
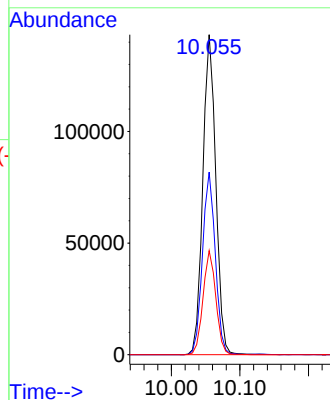
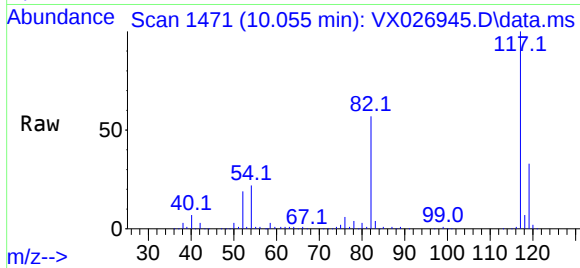




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

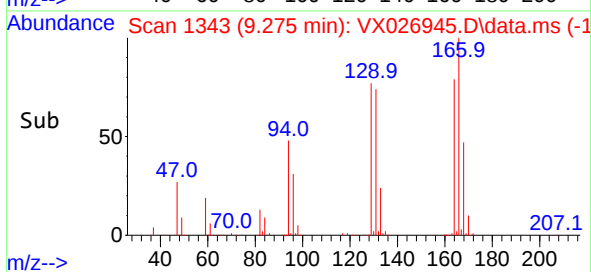
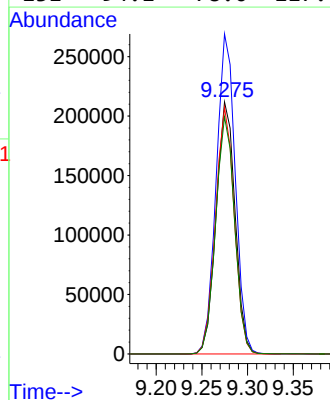
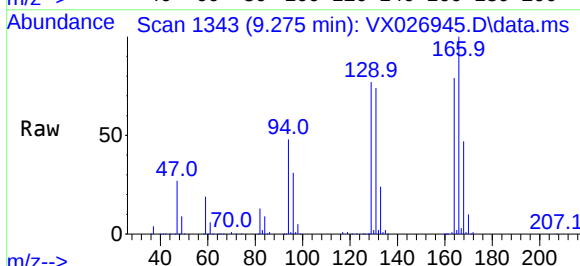
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

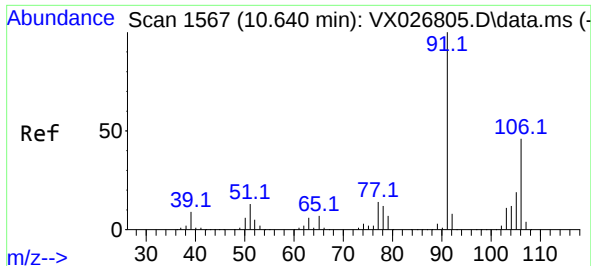
Tgt Ion:117 Resp: 189291  
Ion Ratio Lower Upper  
117 100  
82 57.1 45.2 67.8  
119 32.5 26.2 39.2



#64  
Tetrachloroethene  
Concen: 161.039 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion:164 Resp: 306160  
Ion Ratio Lower Upper  
164 100  
166 127.0 101.8 152.6  
129 97.9 83.3 124.9  
131 94.1 78.0 117.0

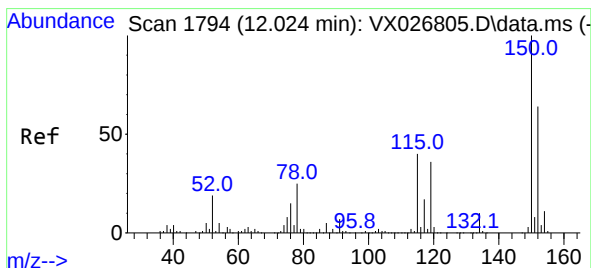
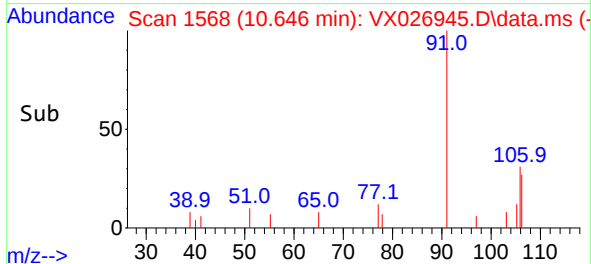
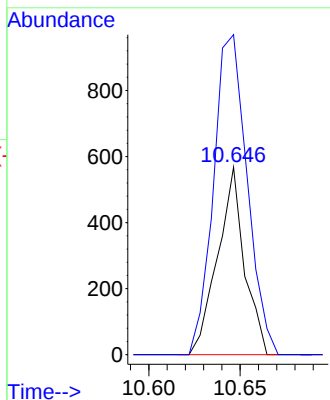
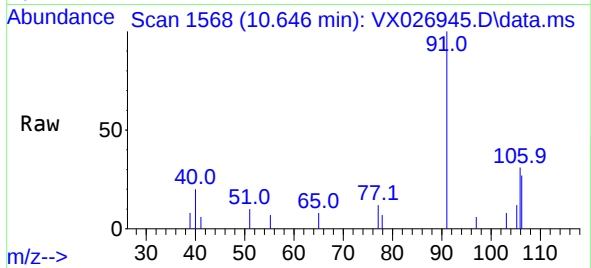




#69  
o-Xylene  
Concen: 0.222 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

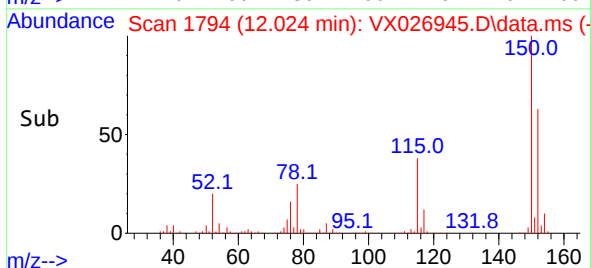
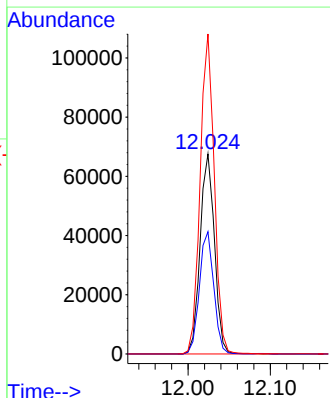
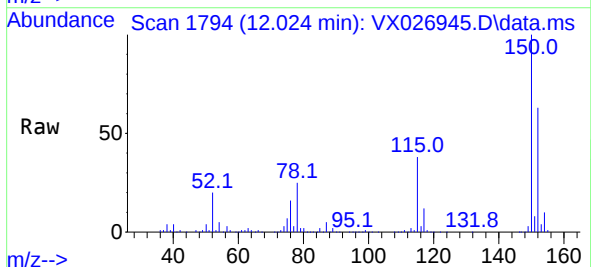
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

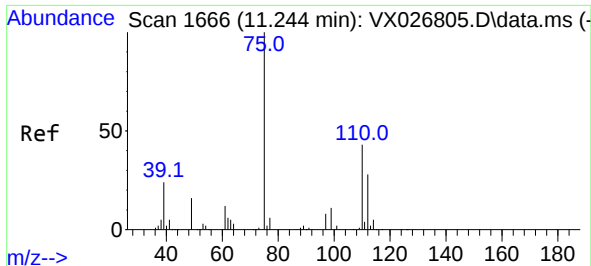
Tgt Ion:106 Resp: 580  
Ion Ratio Lower Upper  
106 100  
91 213.8 109.7 329.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion:152 Resp: 81866  
Ion Ratio Lower Upper  
152 100  
115 61.3 44.2 132.6  
150 157.8 0.0 348.2

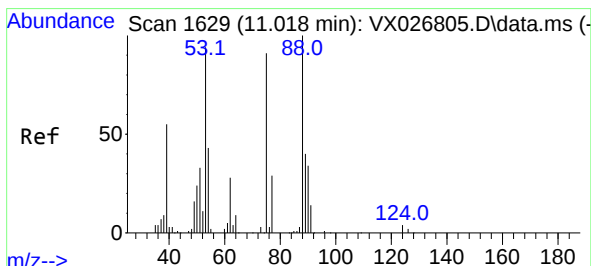
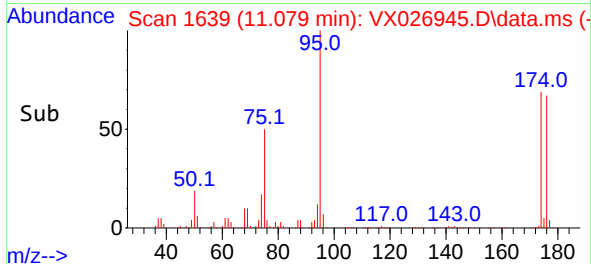
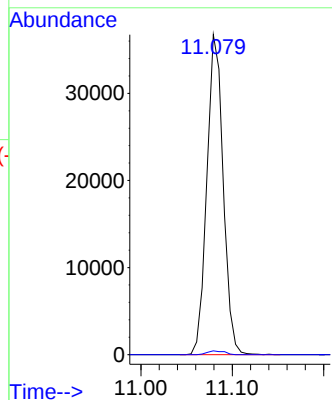
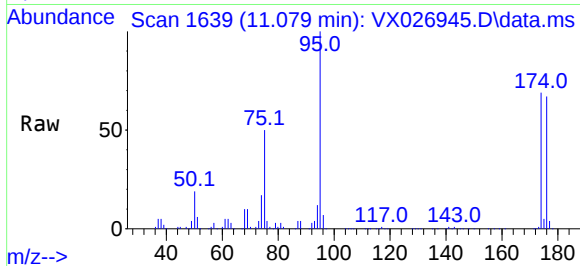




#76  
1,2,3-Trichloropropane  
Concen: 25.354 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

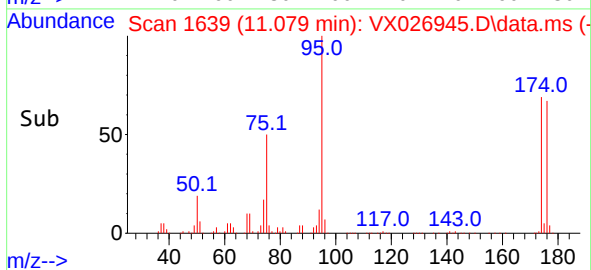
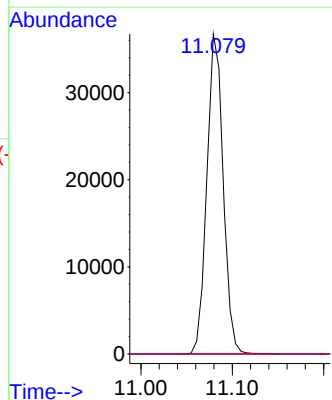
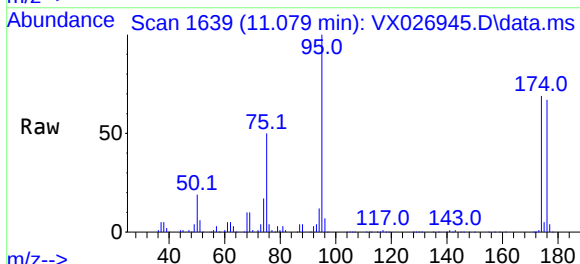
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D

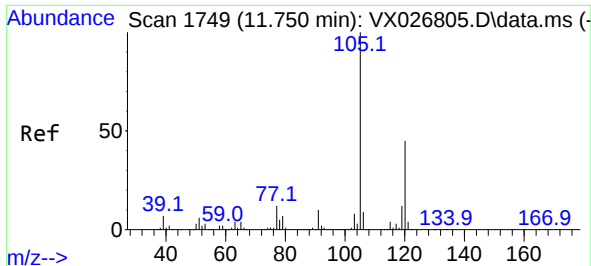
Tgt Ion: 75 Resp: 45436  
Ion Ratio Lower Upper  
75 100  
77 1.2 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.287 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026945.D  
Acq: 11 Feb 2022 01:59

Tgt Ion: 75 Resp: 45436  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.294 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026945.D

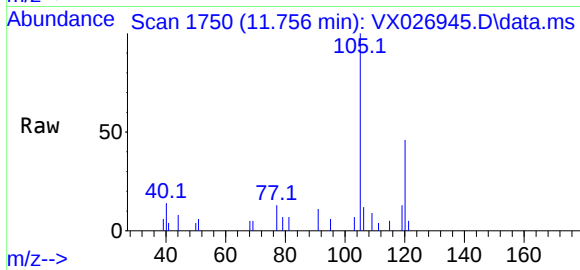
Acq: 11 Feb 2022 01:59

Instrument :

MSVOA\_X

ClientSampleId :

MW-30D



Tgt Ion:105 Resp: 1575

Ion Ratio Lower Upper

105 100

120 42.0 21.9 65.5

