

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020822\  
 Data File : VX026846.D  
 Acq On : 09 Feb 2022 01:15  
 Operator : JC/MD  
 Sample : N1425-04 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 09 05:19:48 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

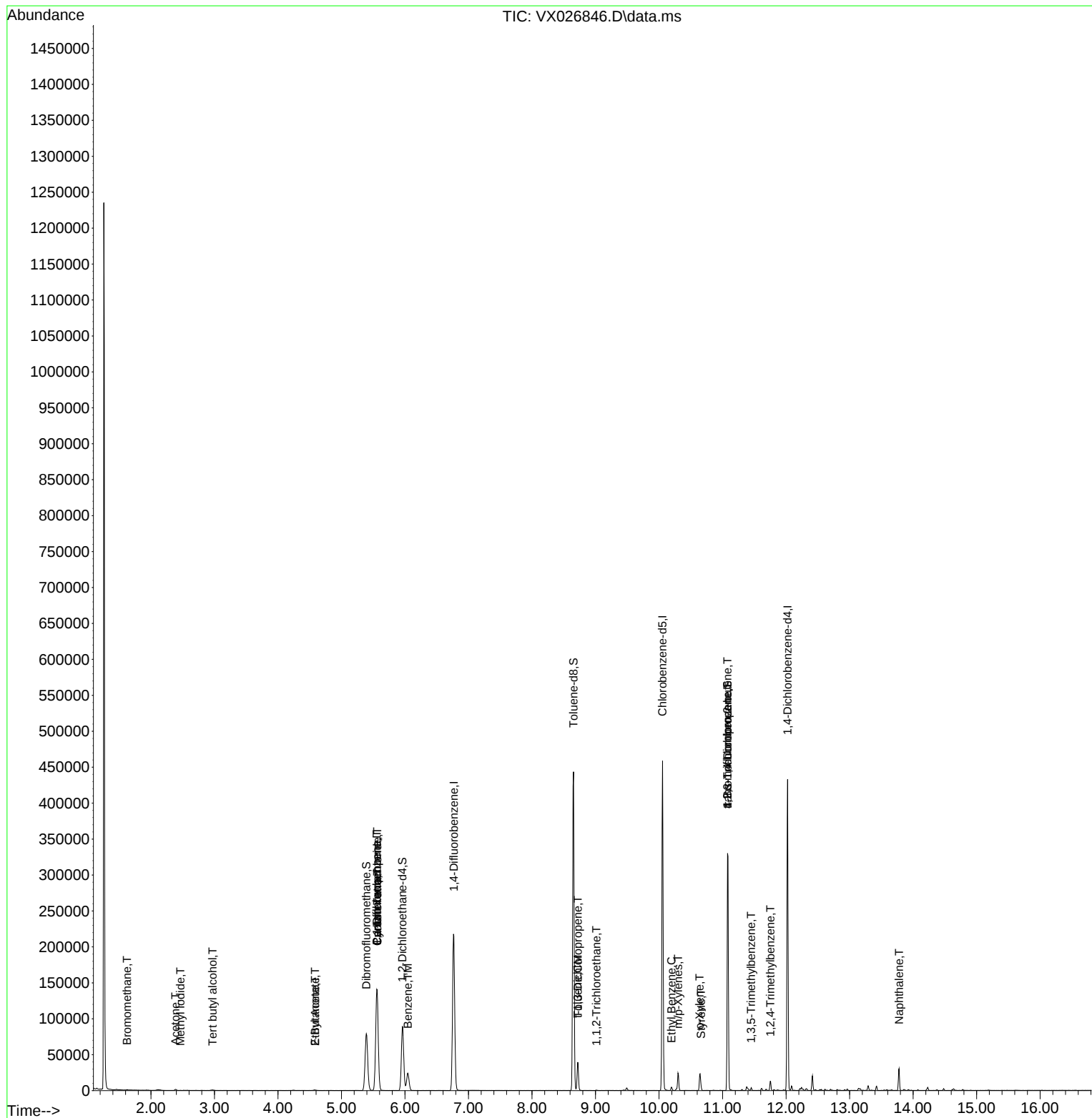
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 133816   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 225419   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 200732   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 86667    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 85640    | 53.314   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 106.620% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 70303    | 52.348   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 104.700% |          |
| 50) Toluene-d8                | 8.653  | 98    | 262669   | 53.282   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 106.560% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 94862    | 54.656   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 109.320% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.624  | 94    | 151      | 0.251    | ug/l       | 89       |
| 10) Methyl Iodide             | 2.465  | 142   | 187      | 2.348    | ug/l #     | 88       |
| 11) Tert butyl alcohol        | 2.971  | 59    | 1364     | 4.700    | ug/l #     | 75       |
| 16) Acetone                   | 2.386  | 43    | 2069     | 2.933    | ug/l       | 92       |
| 25) 2-Butanone                | 4.586  | 43    | 848      | 0.746    | ug/l       | 92       |
| 31) Cyclohexane               | 5.562  | 56    | 2739     | 1.073    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 10219    | 4.823    | ug/l #     | 51       |
| 37) Ethyl Acetate             | 4.586  | 43    | 848      | 0.352    | ug/l #     | 69       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 13751    | 6.189    | ug/l #     | 17       |
| 40) Benzene                   | 6.043  | 78    | 29552    | 4.786    | ug/l       | 99       |
| 52) Toluene                   | 8.720  | 92    | 14718    | 3.765    | ug/l       | 98       |
| 53) t-1,3-Dichloropropene     | 8.720  | 75    | 131      | 1.407    | ug/l #     | 1        |
| 55) 1,1,2-Trichloroethane     | 9.012  | 97    | 422      | 0.285    | ug/l #     | 15       |
| 67) Ethyl Benzene             | 10.195 | 91    | 3017     | 0.411    | ug/l       | 98       |
| 68) m/p-Xylenes               | 10.299 | 106   | 5603     | 1.982    | ug/l       | 100      |
| 69) o-Xylene                  | 10.640 | 106   | 4762     | 1.719    | ug/l       | 98       |
| 70) Styrene                   | 10.659 | 104   | 2675     | 0.595    | ug/l #     | 82       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 46508    | 24.514   | ug/l #     | 40       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105   | 1683     | 0.300    | ug/l       | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 46508    | 74.840   | ug/l #     | 3        |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 6283     | 1.109    | ug/l       | 100      |
| 95) Naphthalene               | 13.780 | 128   | 19075    | 3.008    | ug/l       | 99       |
| -----                         |        |       |          |          |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020822\  
Data File : VX026846.D  
Acq On : 09 Feb 2022 01:15  
Operator : JC/MD  
Sample : N1425-04 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

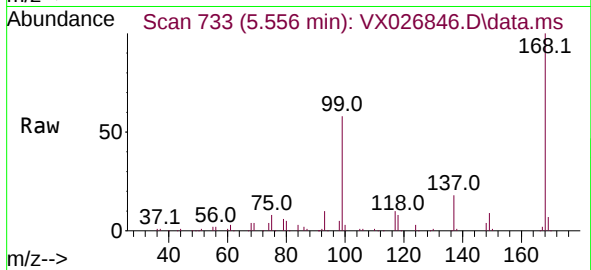
Quant Time: Feb 09 05:19:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 08 07:07:46 2022  
Response via : Initial Calibration



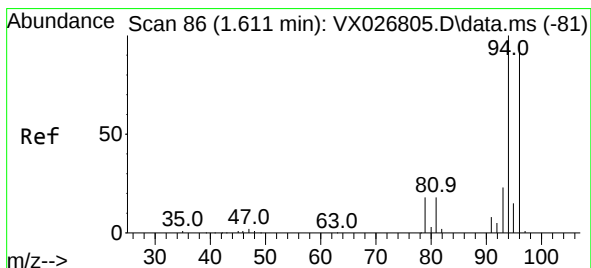
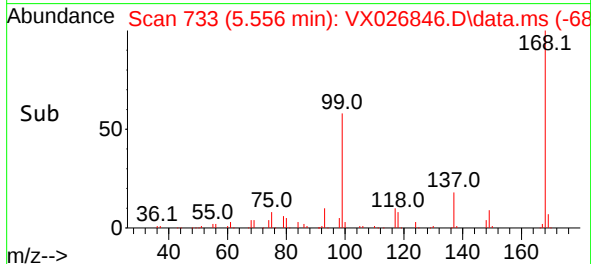
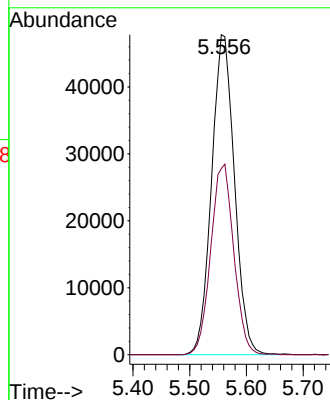


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Instrument :  
MSVOA\_X  
ClientSampleId :

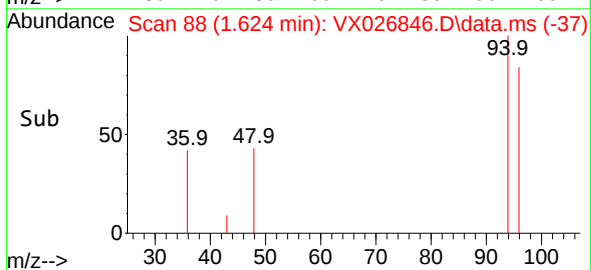
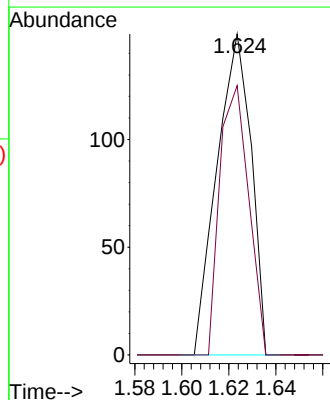
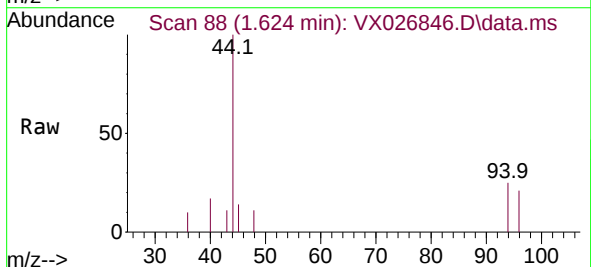


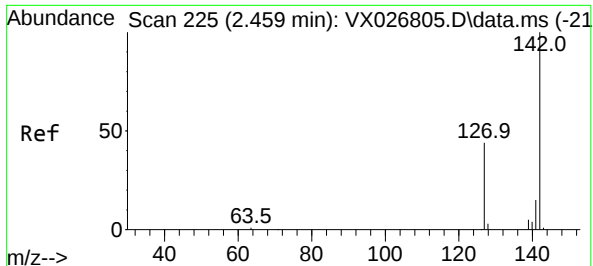
Tgt Ion:168 Resp: 133816  
Ion Ratio Lower Upper  
168 100  
99 58.2 50.3 75.5



#5  
Bromomethane  
Concen: 0.251 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.012 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

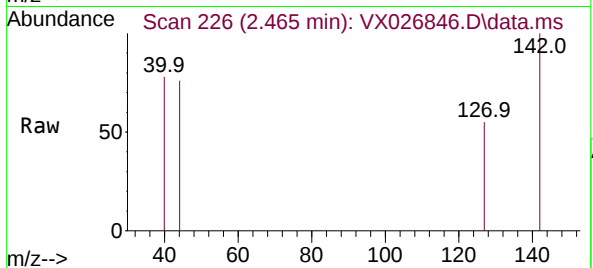
Tgt Ion: 94 Resp: 151  
Ion Ratio Lower Upper  
94 100  
96 83.9 75.9 113.9



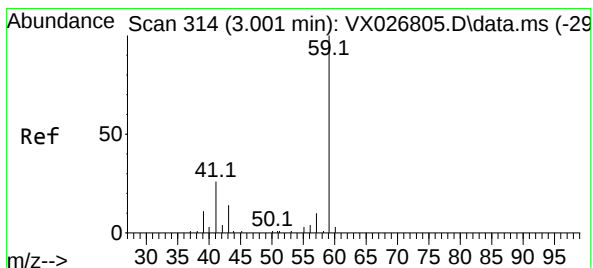
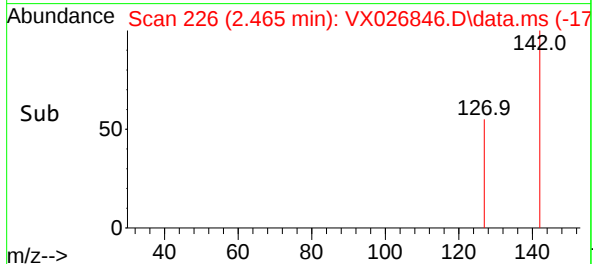
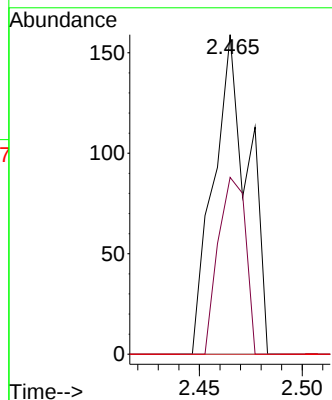


#10  
Methyl Iodide  
Concen: 2.348 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Instrument :  
MSVOA\_X  
ClientSampleId :

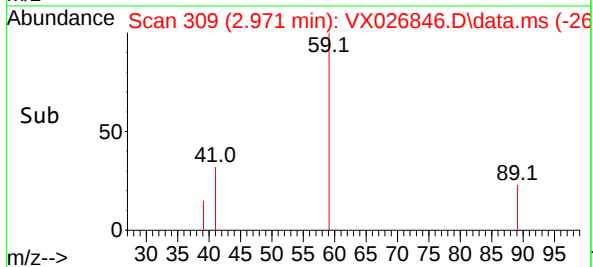
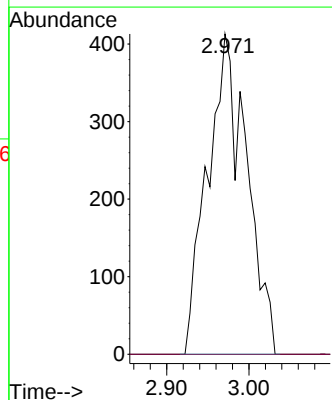
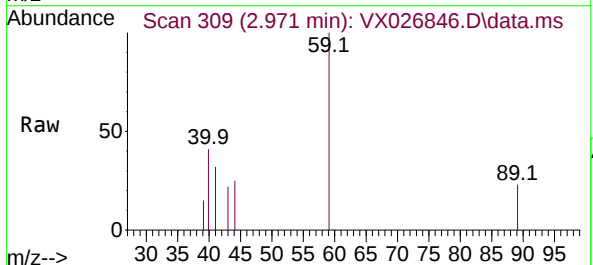


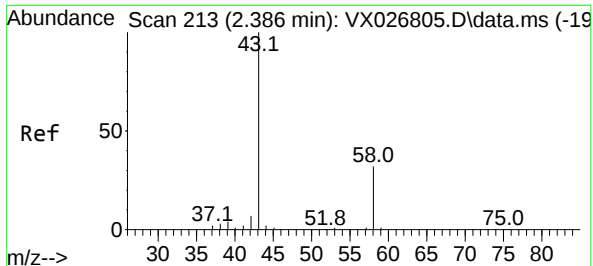
Tgt Ion:142 Resp: 187  
Ion Ratio Lower Upper  
142 100  
127 43.9 38.1 57.1  
141 0.0 11.2 16.8#



#11  
Tert butyl alcohol  
Concen: 4.700 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.030 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion: 59 Resp: 1364  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#

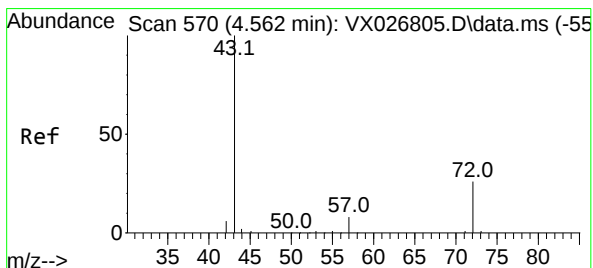
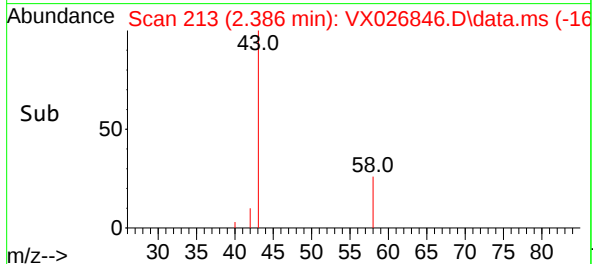
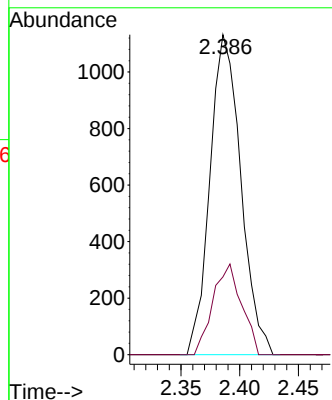
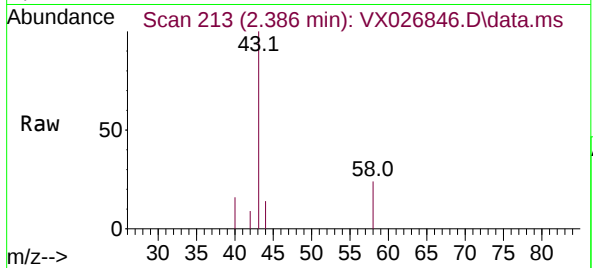




#16  
Acetone  
Concen: 2.933 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

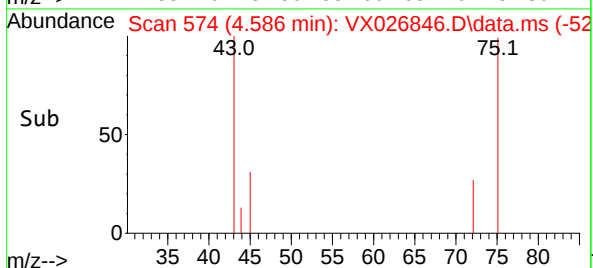
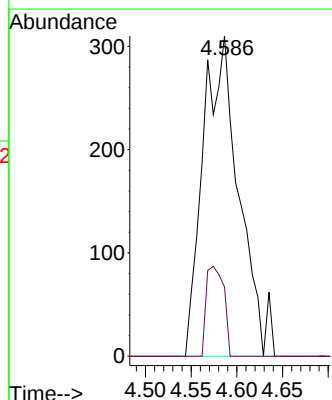
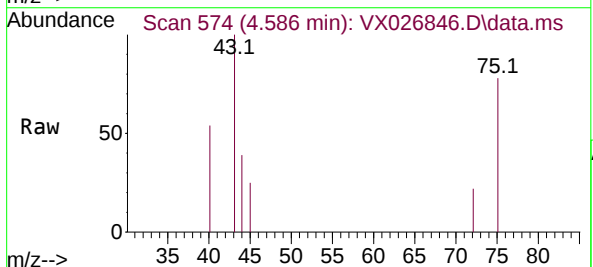
Instrument :  
MSVOA\_X  
ClientSampleId :

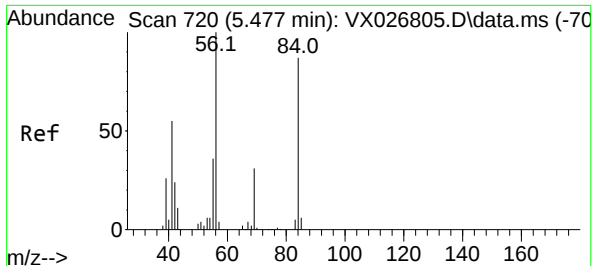
Tgt Ion: 43 Resp: 2069  
Ion Ratio Lower Upper  
43 100  
58 24.3 23.0 34.6



#25  
2-Butanone  
Concen: 0.746 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. 0.024 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

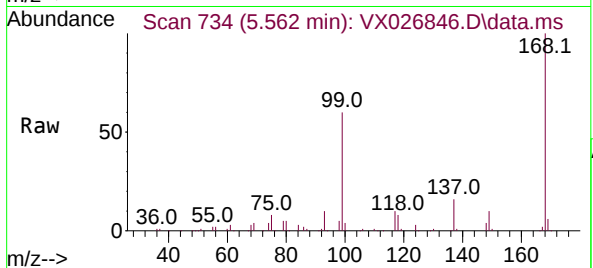
Tgt Ion: 43 Resp: 848  
Ion Ratio Lower Upper  
43 100  
72 21.6 20.4 30.6



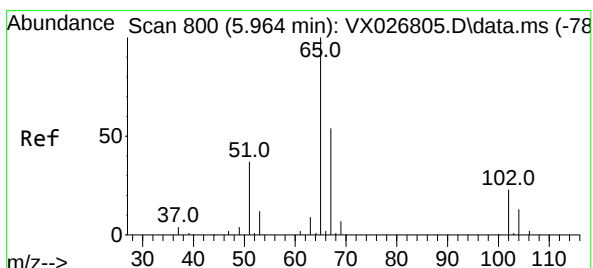
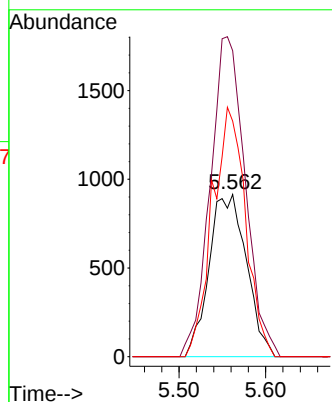
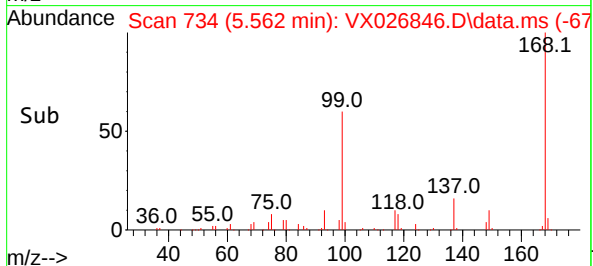


#31  
Cyclohexane  
Concen: 1.073 ug/l  
RT: 5.562 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Instrument :  
MSVOA\_X  
ClientSampleId :

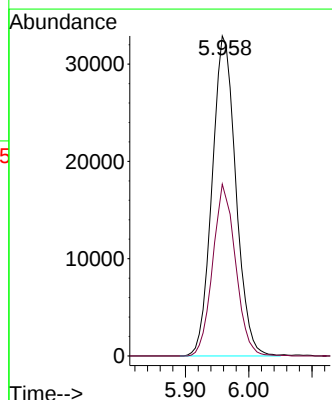
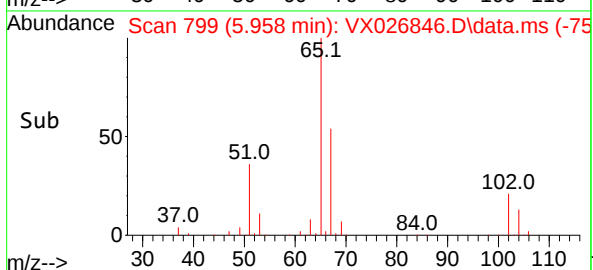
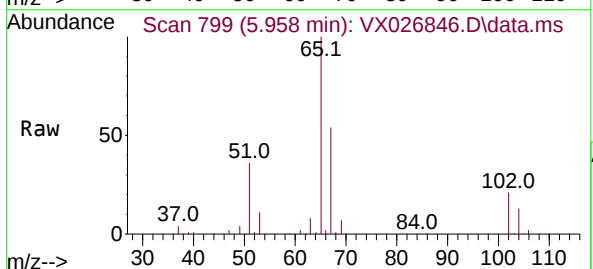


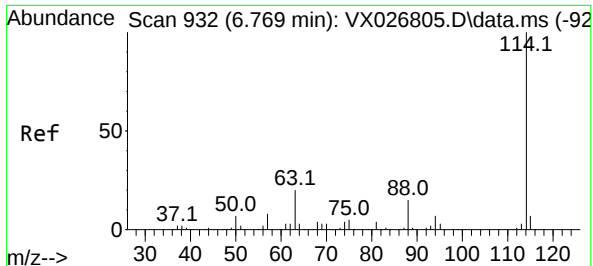
Tgt Ion: 56 Resp: 2739  
Ion Ratio Lower Upper  
56 100  
69 188.5 25.8 38.6#  
84 145.1 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 53.314 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion: 65 Resp: 85640  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 100.8

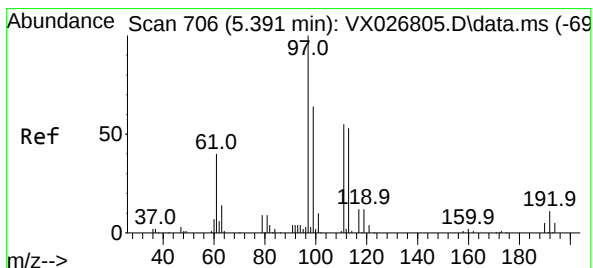
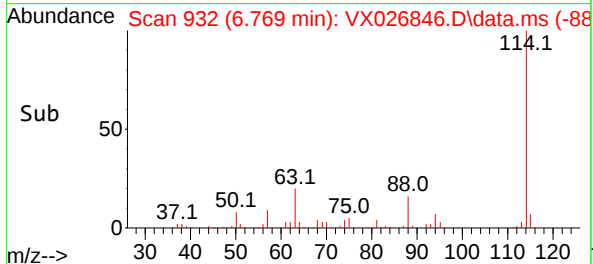
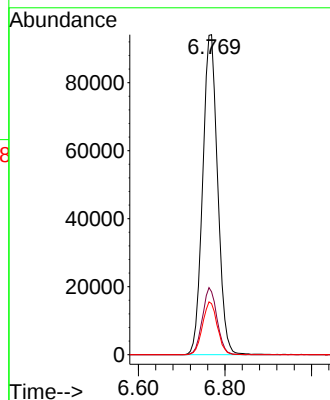
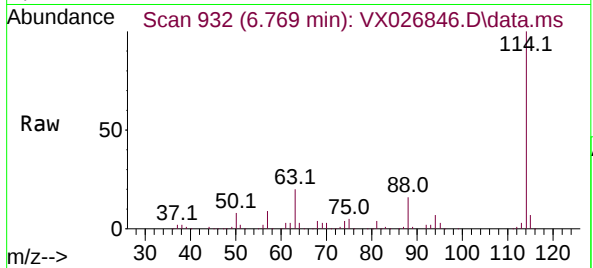




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

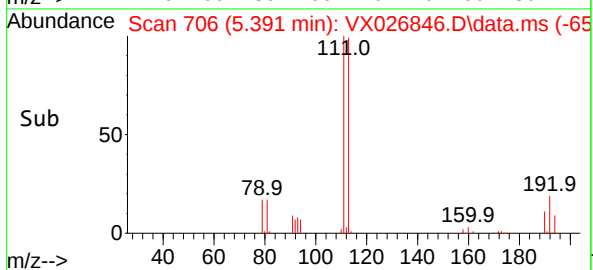
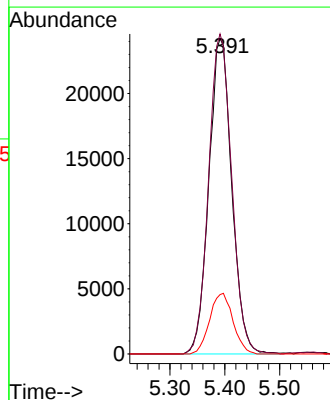
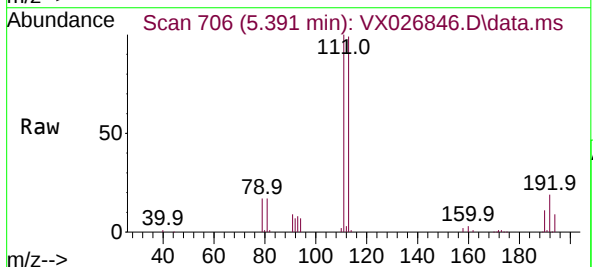
Instrument :  
MSVOA\_X  
ClientSampleId :

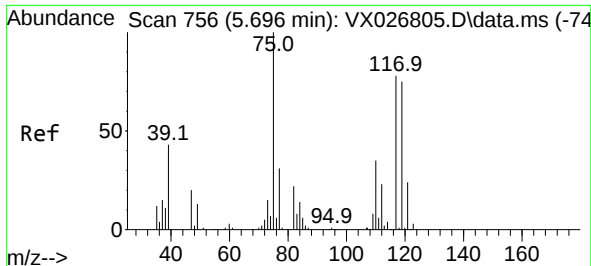
Tgt Ion:114 Resp: 225419  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 42.8  
88 16.0 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 52.348 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

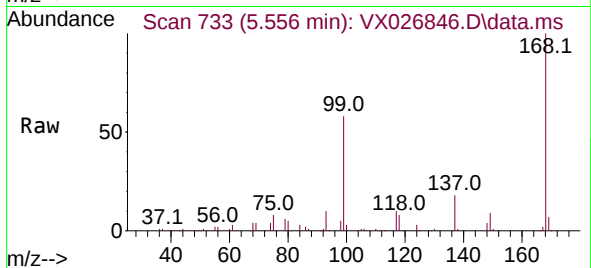
Tgt Ion:113 Resp: 70303  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.2 121.8  
192 19.6 15.0 22.4



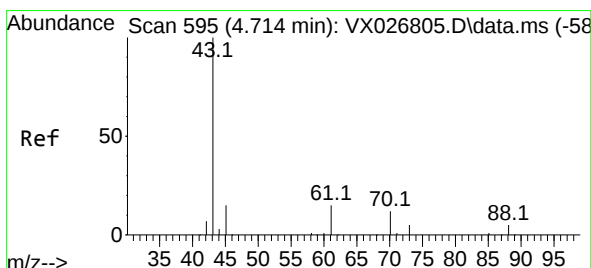
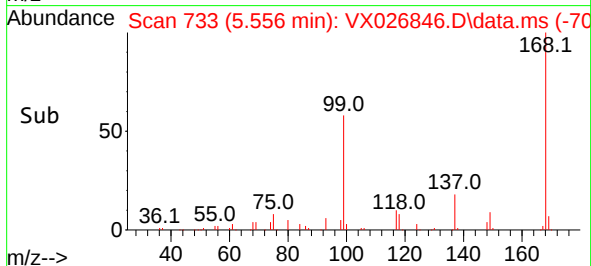
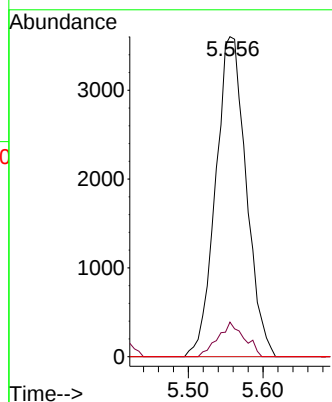


#36  
1,1-Dichloropropene  
Concen: 4.823 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Instrument :  
MSVOA\_X  
ClientSampleId :

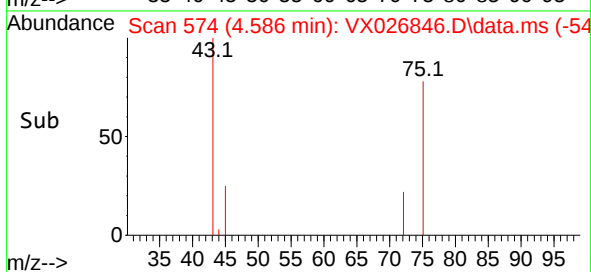
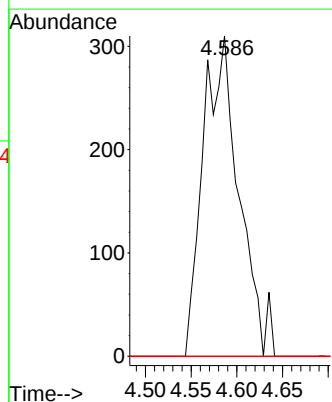
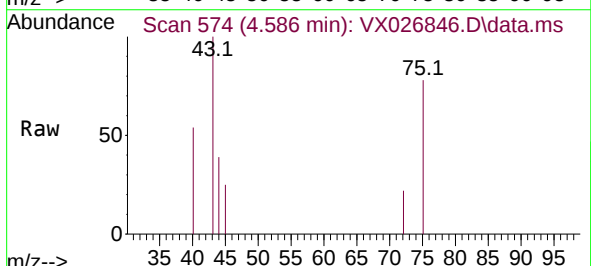


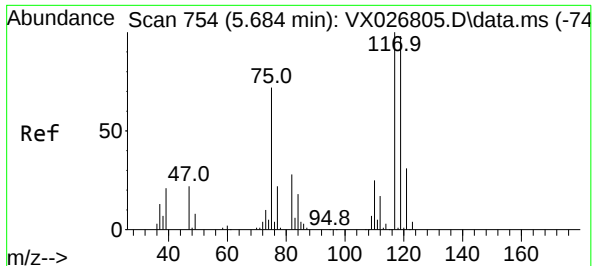
Tgt Ion: 75 Resp: 10219  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.2 51.6#  
77 0.0 24.6 36.8#



#37  
Ethyl Acetate  
Concen: 0.352 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. -0.128 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

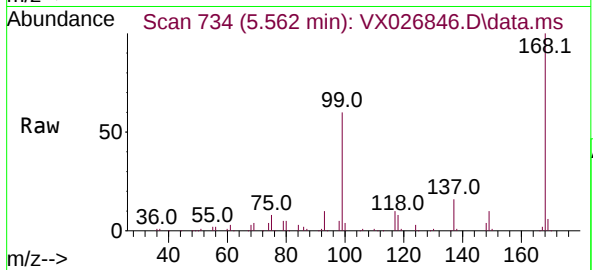
Tgt Ion: 43 Resp: 848  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.6 16.0#  
70 0.0 8.5 12.7#



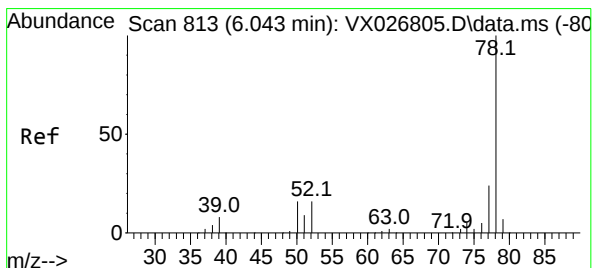
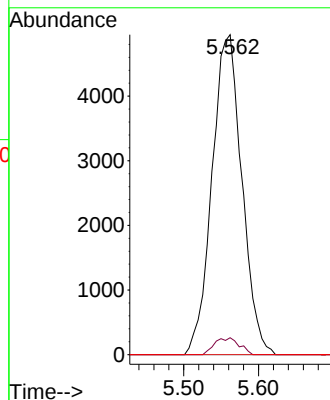
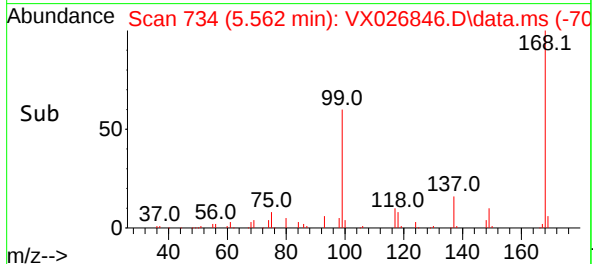


#38  
Carbon Tetrachloride  
Concen: 6.189 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Instrument :  
MSVOA\_X  
ClientSampleId :

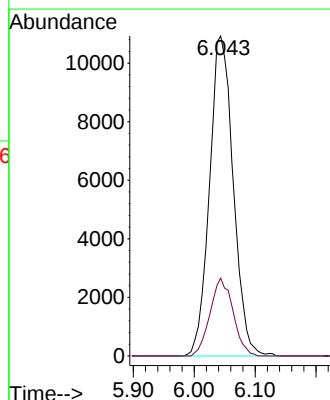
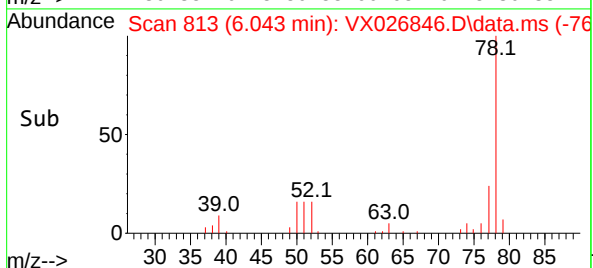
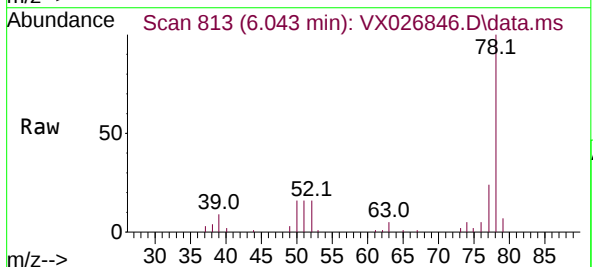


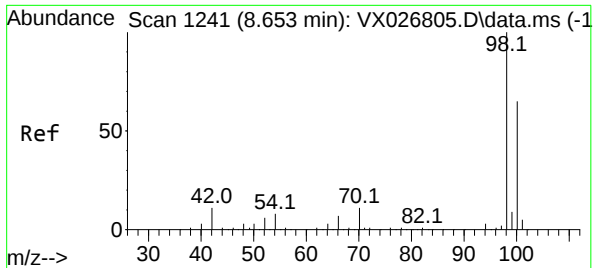
Tgt Ion:117 Resp: 13751  
Ion Ratio Lower Upper  
117 100  
119 5.3 74.7 112.1#  
121 0.0 25.4 38.0#



#40  
Benzene  
Concen: 4.786 ug/l  
RT: 6.043 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion: 78 Resp: 29552  
Ion Ratio Lower Upper  
78 100  
77 24.3 18.9 28.3

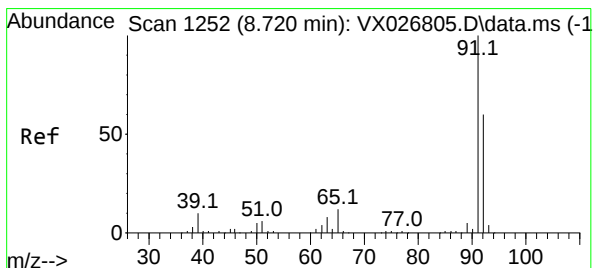
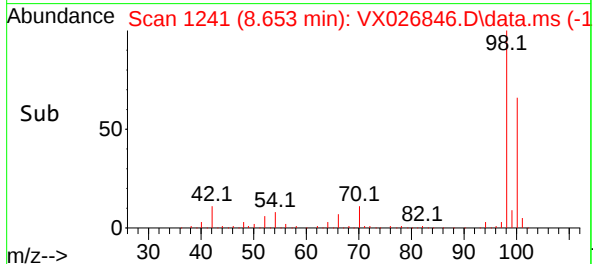
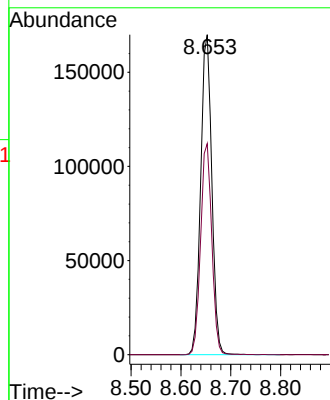
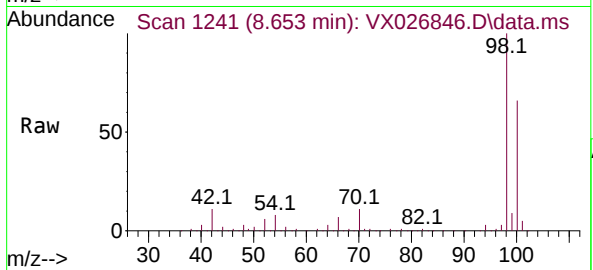




#50  
Toluene-d8  
Concen: 53.282 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

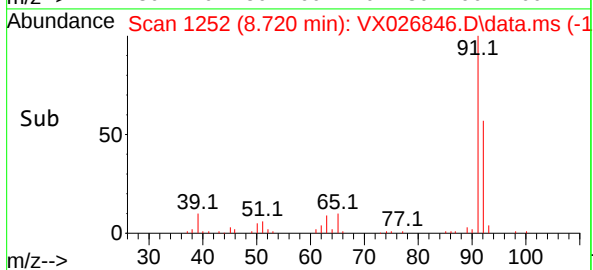
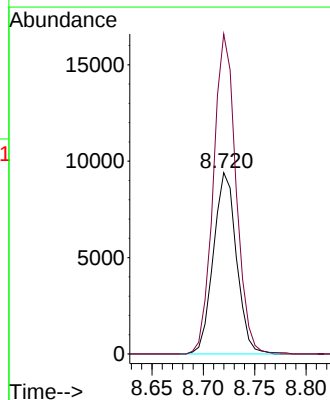
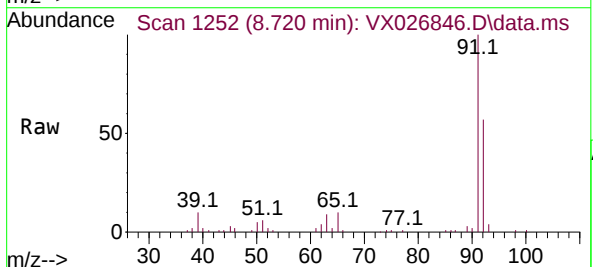
Instrument :  
MSVOA\_X  
ClientSampleId :

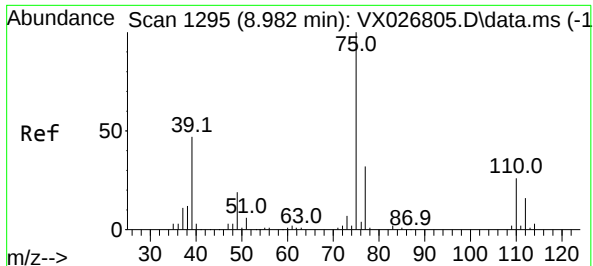
Tgt Ion: 98 Resp: 262669  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.2 79.8



#52  
Toluene  
Concen: 3.765 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion: 92 Resp: 14718  
Ion Ratio Lower Upper  
92 100  
91 173.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 1.407 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA\_X

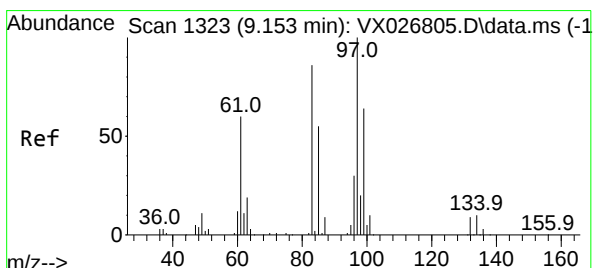
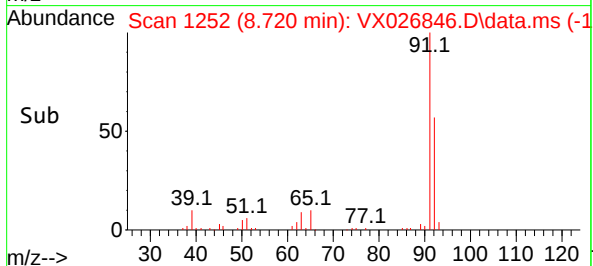
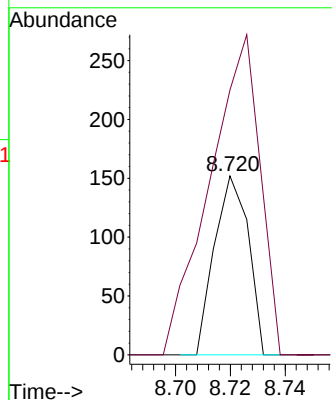
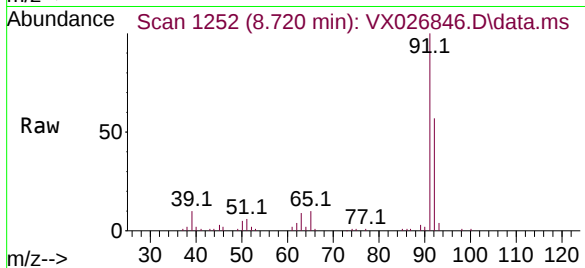
ClientSampleId :

Tgt Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

77 148.0 25.7 38.5#



#55

1,1,2-Trichloroethane

Concen: 0.285 ug/l

RT: 9.012 min Scan# 1300

Delta R.T. -0.140 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Tgt Ion: 97 Resp: 422

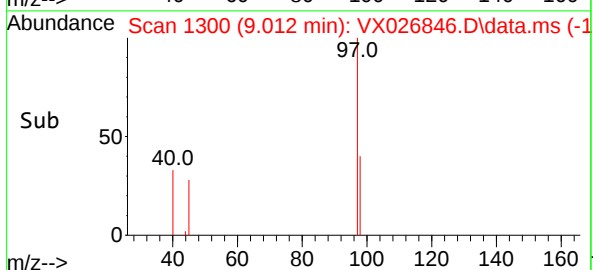
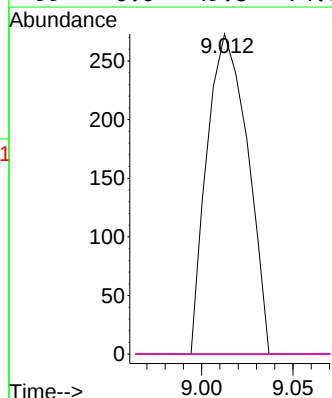
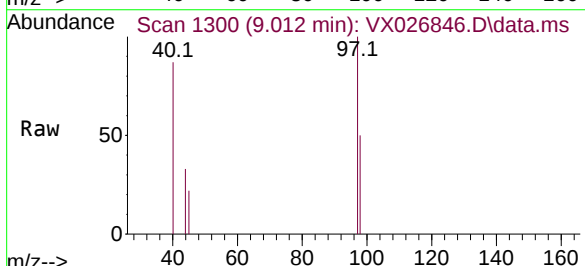
Ion Ratio Lower Upper

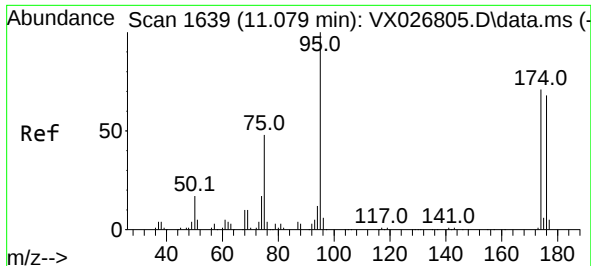
97 100

83 0.0 68.4 102.6#

85 0.0 44.0 66.0#

99 0.0 49.8 74.6#

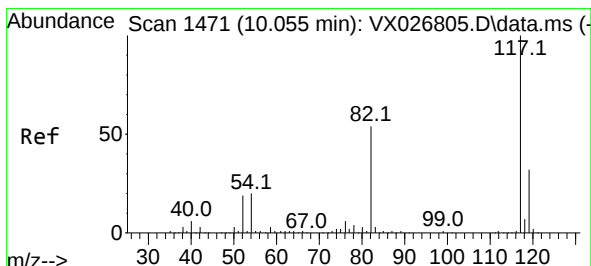
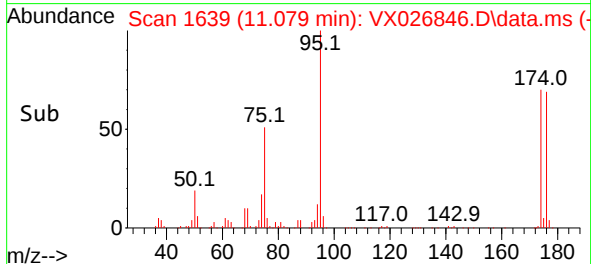
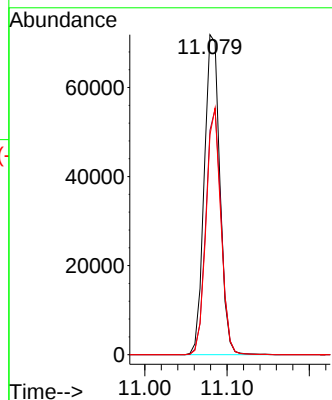
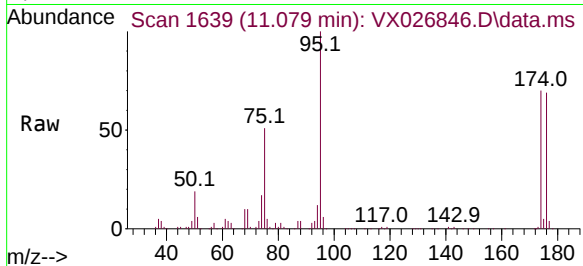




#62  
4-Bromofluorobenzene  
Concen: 54.656 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

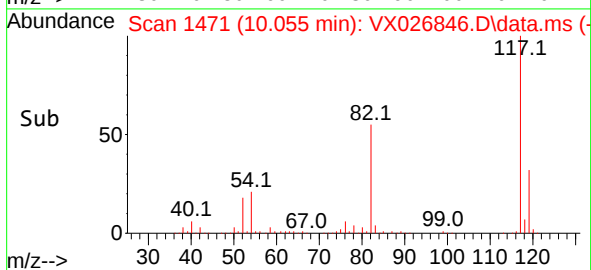
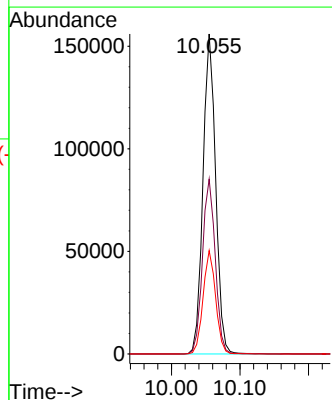
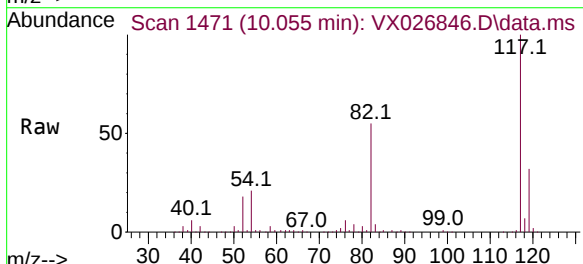
Instrument :  
MSVOA\_X  
ClientSampleId :

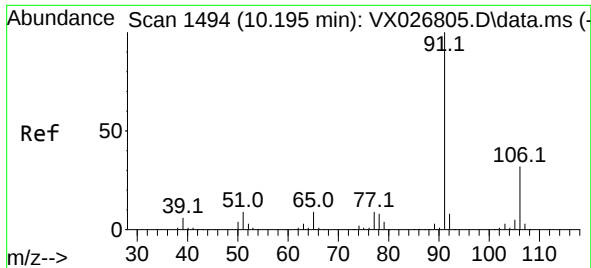
Tgt Ion: 95 Resp: 94862  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 148.6  
176 73.1 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion: 117 Resp: 200732  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.2 67.8  
119 32.3 26.2 39.2





#67

Ethyl Benzene

Concen: 0.411 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX026846.D

Acq: 09 Feb 2022 01:15

Instrument :

MSVOA\_X

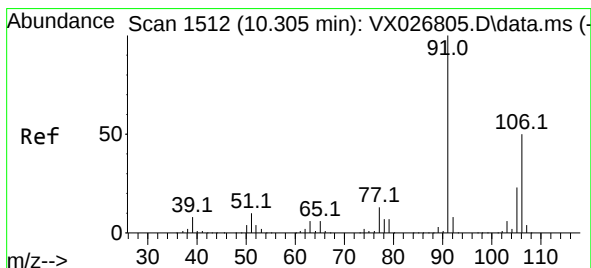
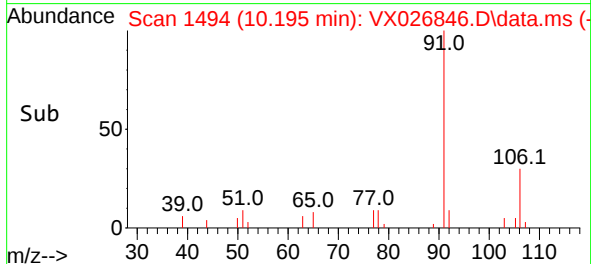
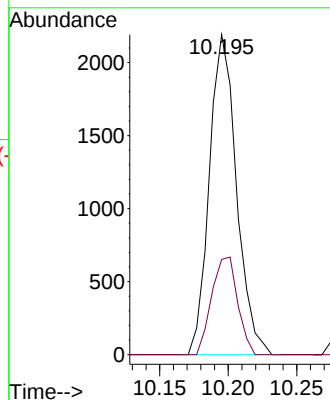
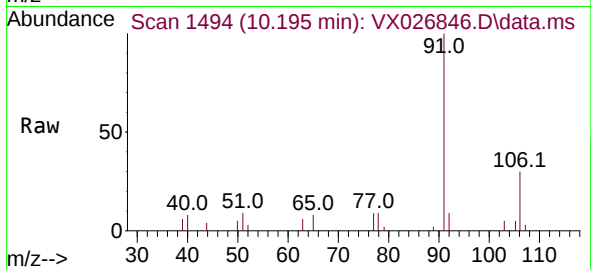
ClientSampleId :

Tgt Ion: 91 Resp: 3017

Ion Ratio Lower Upper

91 100

106 29.8 24.7 37.1



#68

m/p-Xylenes

Concen: 1.982 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX026846.D

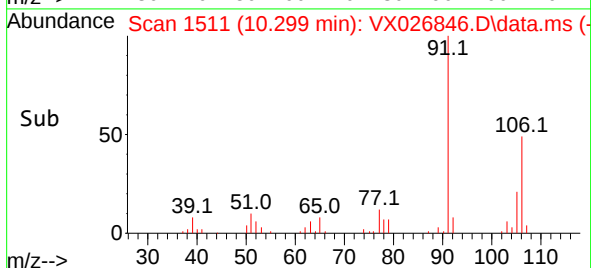
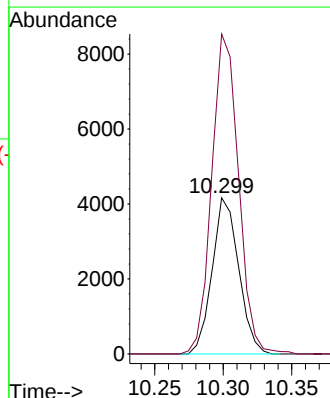
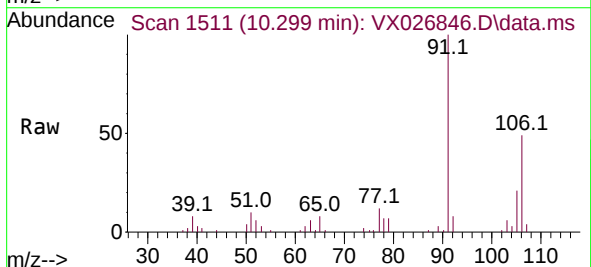
Acq: 09 Feb 2022 01:15

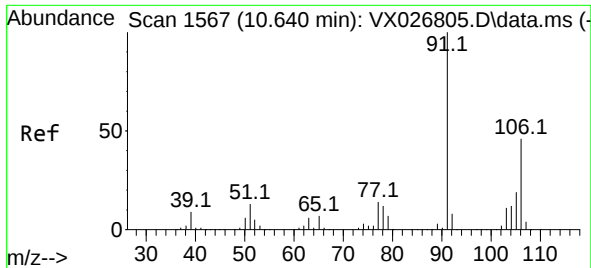
Tgt Ion: 106 Resp: 5603

Ion Ratio Lower Upper

106 100

91 207.1 165.3 247.9

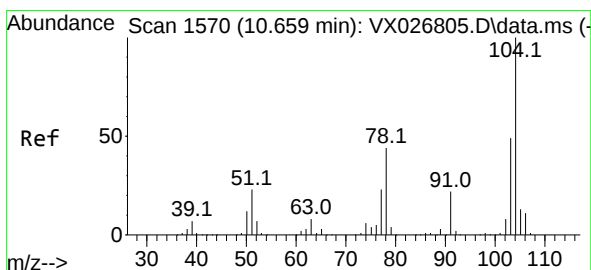
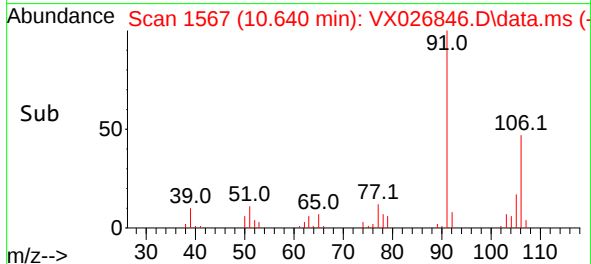
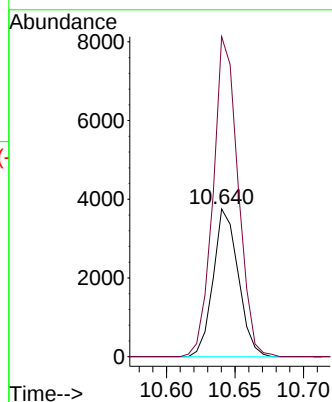
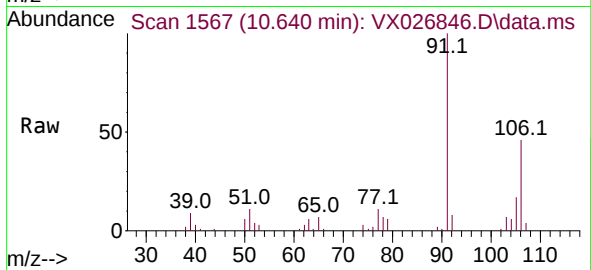




#69  
o-Xylene  
Concen: 1.719 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

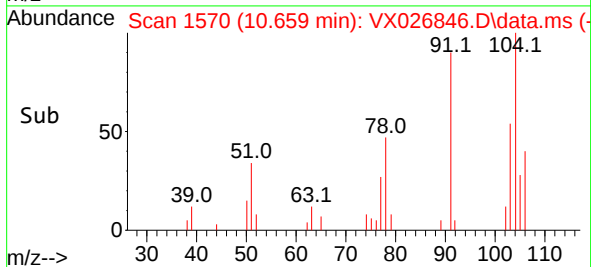
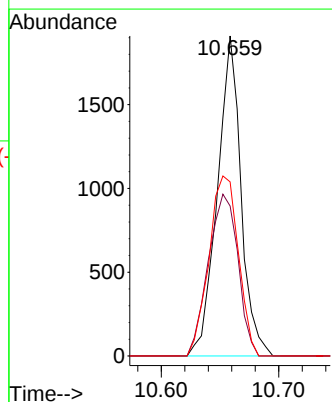
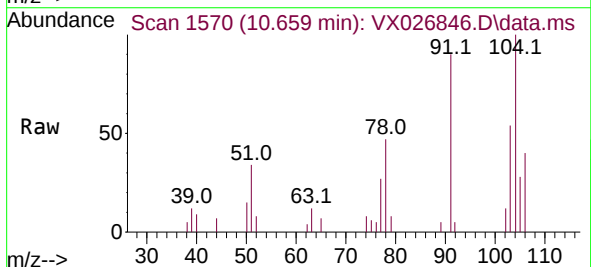
Instrument :  
MSVOA\_X  
ClientSampleId :

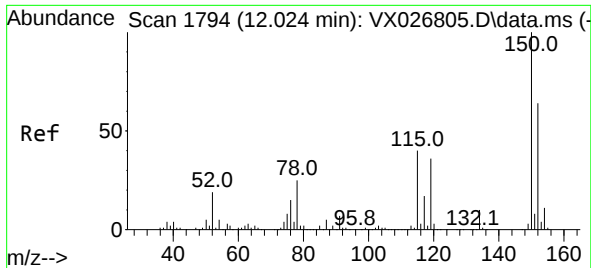
Tgt Ion:106 Resp: 4762  
Ion Ratio Lower Upper  
106 100  
91 216.3 109.7 329.0



#70  
Styrene  
Concen: 0.595 ug/l  
RT: 10.659 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion:104 Resp: 2675  
Ion Ratio Lower Upper  
104 100  
78 63.3 42.5 63.7  
103 69.8 43.3 64.9#

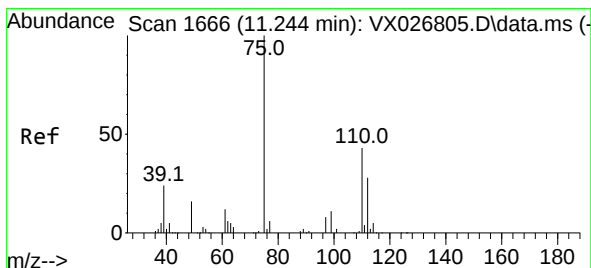
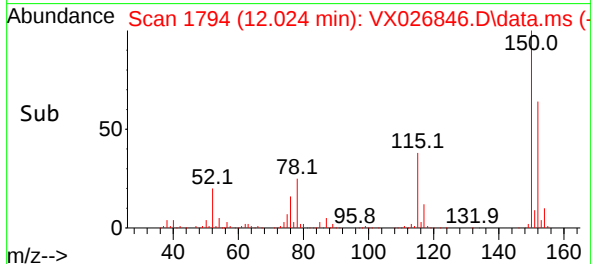
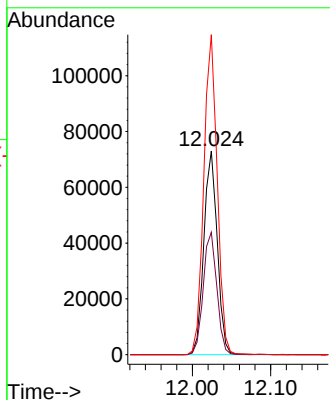
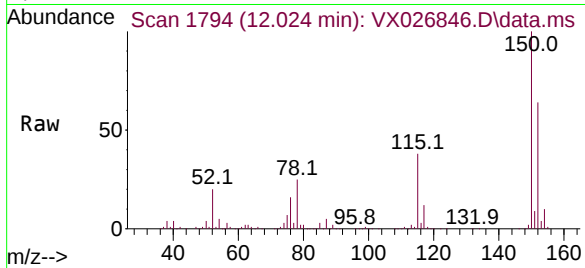




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX026846.D  
 Acq: 09 Feb 2022 01:15

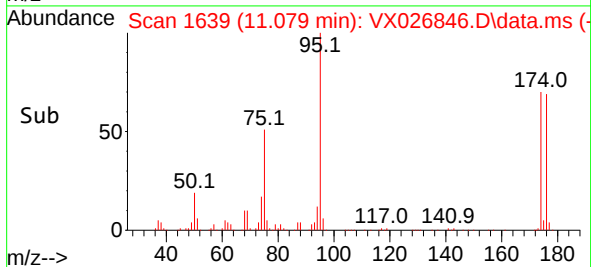
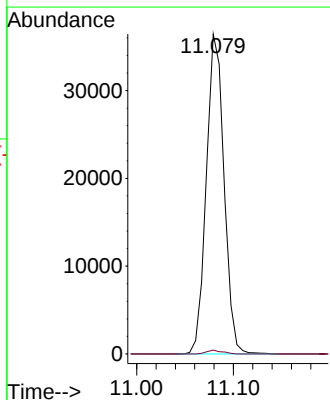
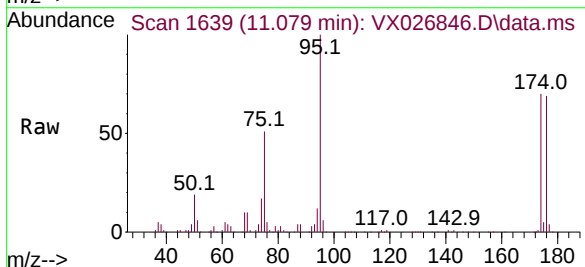
Instrument :  
 MSVOA\_X  
 ClientSampleId :

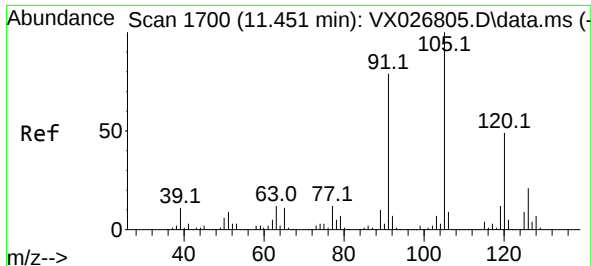
Tgt Ion:152 Resp: 86667  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 44.2 132.6  
 150 157.5 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 24.514 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX026846.D  
 Acq: 09 Feb 2022 01:15

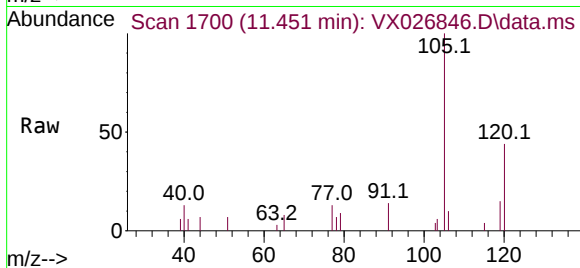
Tgt Ion: 75 Resp: 46508  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 18.3 54.8#



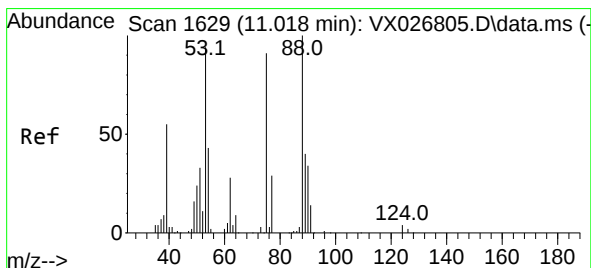
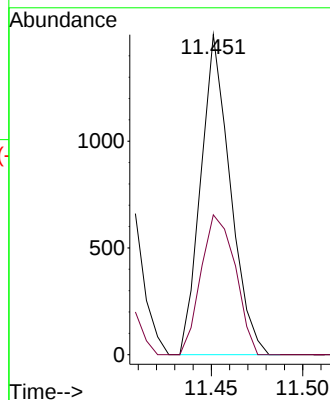
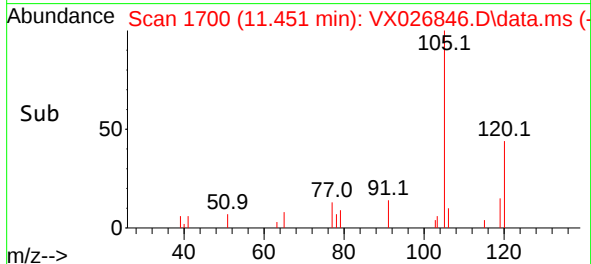


#80  
1,3,5-Trimethylbenzene  
Concen: 0.300 ug/l  
RT: 11.451 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

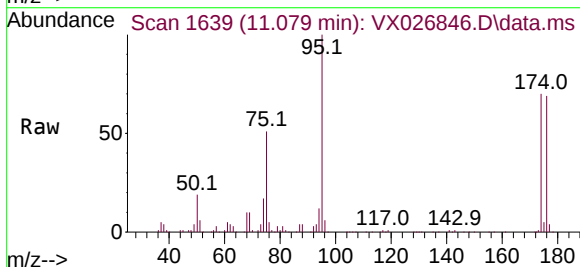
Instrument :  
MSVOA\_X  
ClientSampleId :



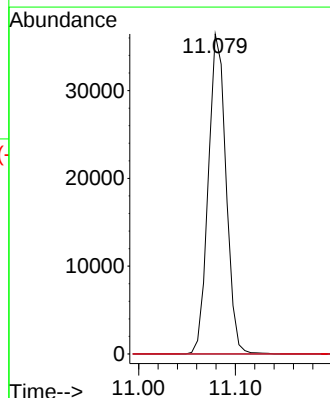
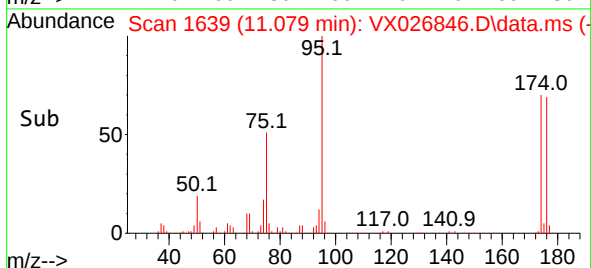
Tgt Ion:105 Resp: 1683  
Ion Ratio Lower Upper  
105 100  
120 50.7 24.0 72.0

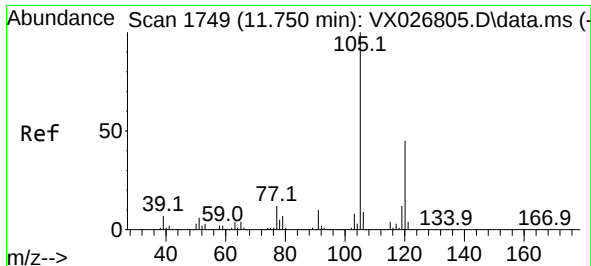


#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.840 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15



Tgt Ion: 75 Resp: 46508  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

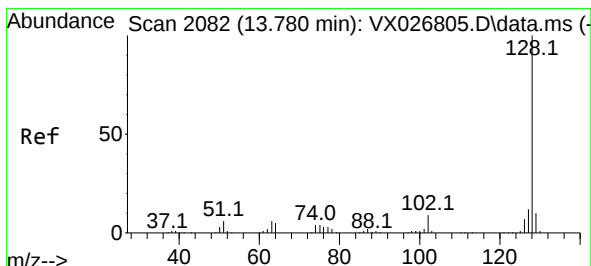
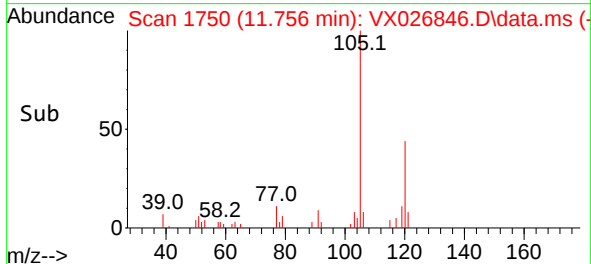
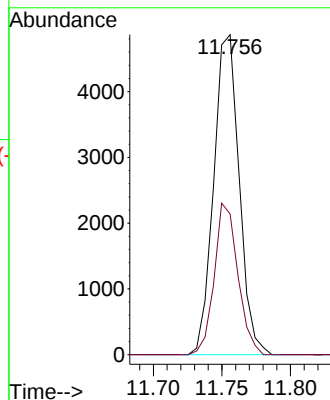
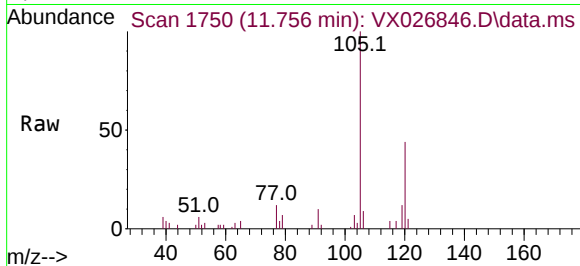




#84  
1,2,4-Trimethylbenzene  
Concen: 1.109 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:105 Resp: 6283  
Ion Ratio Lower Upper  
105 100  
120 43.8 21.9 65.5



#95  
Naphthalene  
Concen: 3.008 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX026846.D  
Acq: 09 Feb 2022 01:15

Tgt Ion:128 Resp: 19075  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.3 15.5  
129 11.0 8.7 13.1

