

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020322\  
 Data File : VX026769.D  
 Acq On : 03 Feb 2022 19:31  
 Operator : JC/MD  
 Sample : N1345-03 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

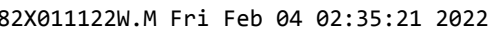
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 34026

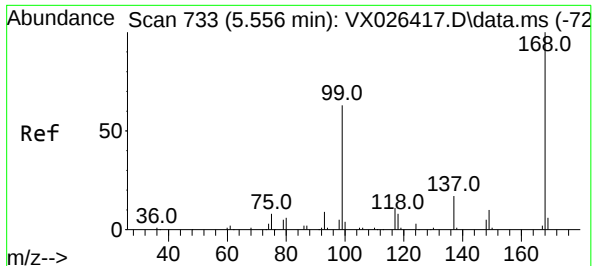
Quant Time: Feb 04 02:35:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 120848     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 202768     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 174826     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 71823      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 75806      | 44.905  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 89.800% |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 61980      | 47.334  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 94.660% |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 232753     | 49.327  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.660% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 80516      | 48.035  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 96.060% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.971          | 59   | 1526       | 6.498   | ug/l # | 91       |
| 16) Acetone                   | 2.386          | 43   | 5970       | 6.935   | ug/l   | 93       |
| 18) Methyl Acetate            | 2.715          | 43   | 796        | 0.465   | ug/l   | 92       |
| 25) 2-Butanone                | 4.568          | 43   | 3192       | 2.851   | ug/l   | 100      |
| 31) Cyclohexane               | 5.556          | 56   | 2331       | 0.936   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 9225       | 4.463   | ug/l # | 51       |
| 37) Ethyl Acetate             | 4.568          | 43   | 3192       | 1.527   | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 12682      | 5.964   | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.117          | 43   | 32617      | 9.657   | ug/l # | 62       |
| 48) Methyl methacrylate       | 7.580          | 41   | 30663      | 18.318  | ug/l # | 43       |
| 49) 1,4-Dioxane               | 7.671          | 88   | 1213       | 44.157  | ug/l # | 75       |
| 51) 4-Methyl-2-Pentanone      | 8.574          | 43   | 2642       | 1.319   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.903          | 75   | 1825       | 2.688   | ug/l # | 43       |
| 56) Ethyl methacrylate        | 9.196          | 69   | 870        | 0.415   | ug/l # | 22       |
| 59) 2-Hexanone                | 9.488          | 43   | 1804       | 1.176   | ug/l # | 55       |
| 74) N-amyl acetate            | 10.756         | 43   | 54822      | 24.121  | ug/l # | 1        |
| 75) 1,1,2,2-Tetrachloroethane | 11.281         | 83   | 39137      | 24.767  | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 39570      | 25.022  | ug/l # | 41       |
| 78) n-propylbenzene           | 11.287         | 91   | 1830       | 0.273   | ug/l # | 52       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 39570      | 76.054  | ug/l # | 3        |
| 84) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 2885       | 0.594   | ug/l # | 39       |
| 89) n-Butylbenzene            | 12.305         | 91   | 2319       | 0.550   | ug/l # | 45       |
| 90) Hexachloroethane          | 12.610         | 117  | 126        | 2.324   | ug/l # | 14       |
| -----                         |                |      |            |         |        |          |

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

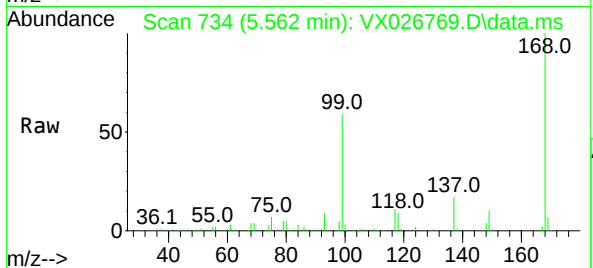
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Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
Response via : Initial Calibration



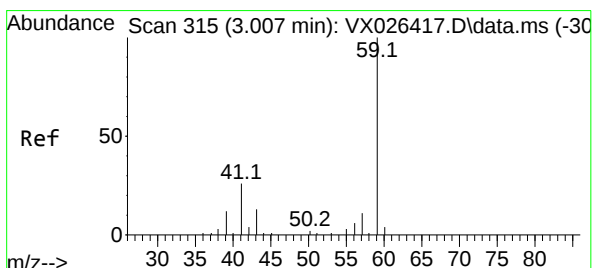
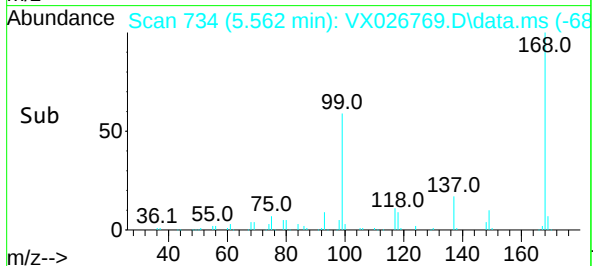
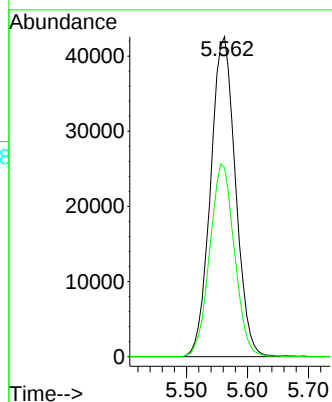


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

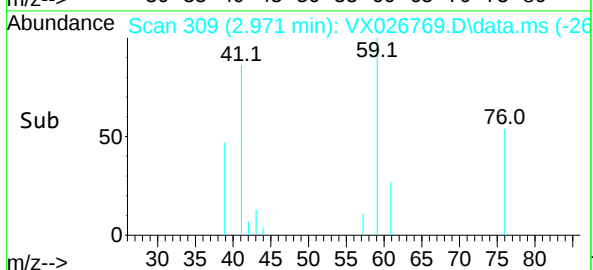
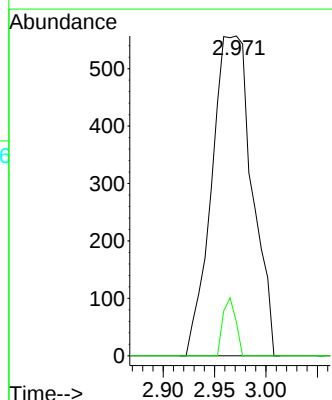
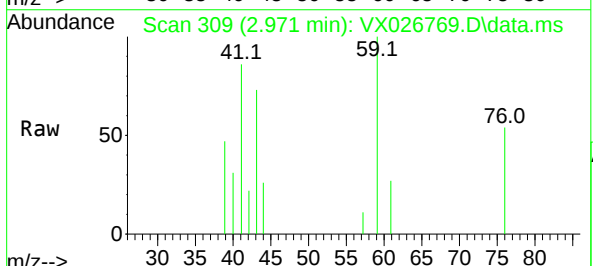


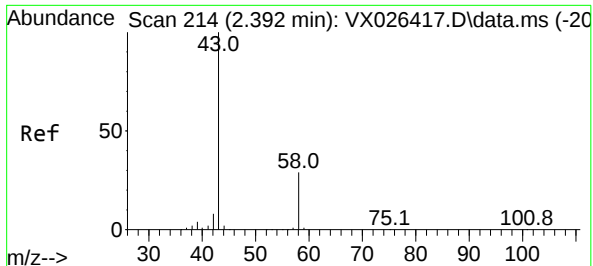
Tgt Ion:168 Resp: 120848  
Ion Ratio Lower Upper  
168 100  
99 59.1 50.3 75.5



#11  
Tert butyl alcohol  
Concen: 6.498 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.036 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 59 Resp: 1526  
Ion Ratio Lower Upper  
59 100  
57 5.7 7.2 10.8#

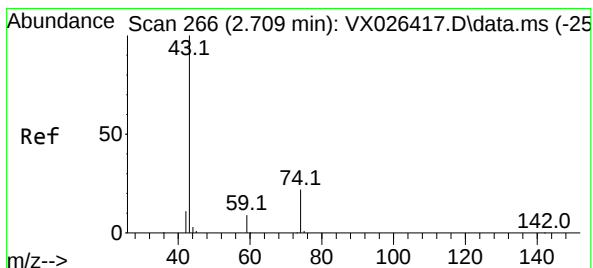
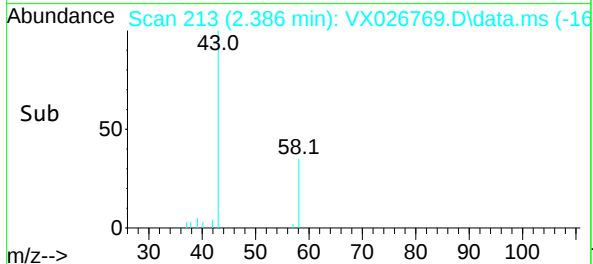
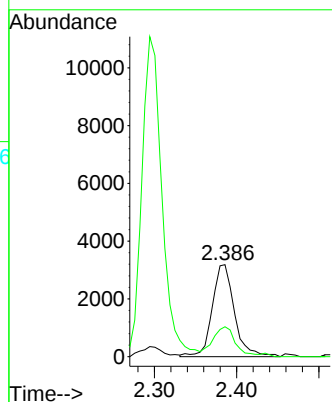
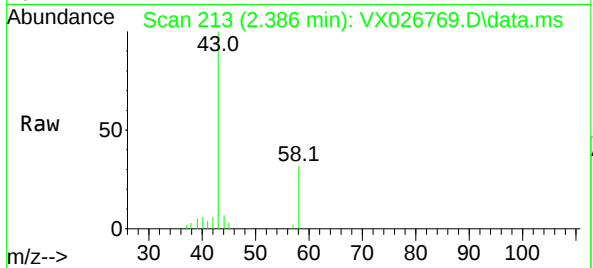




#16  
Acetone  
Concen: 6.935 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

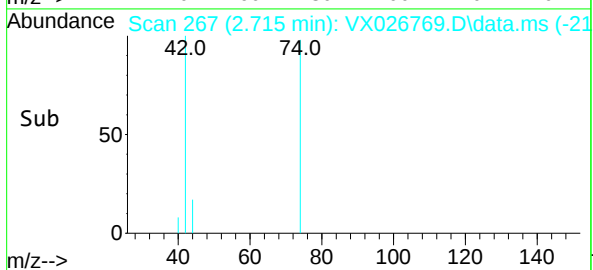
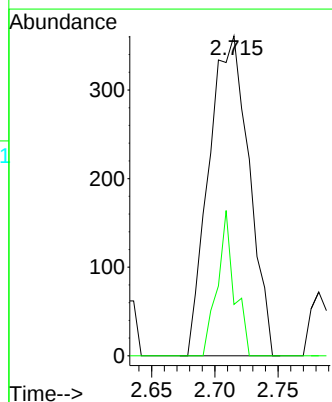
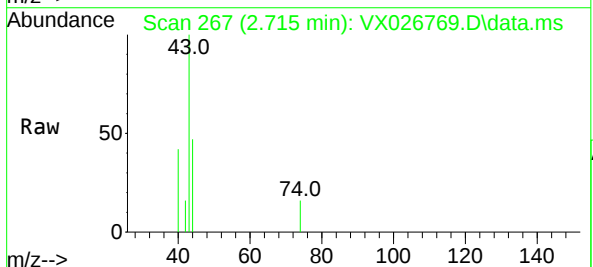
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

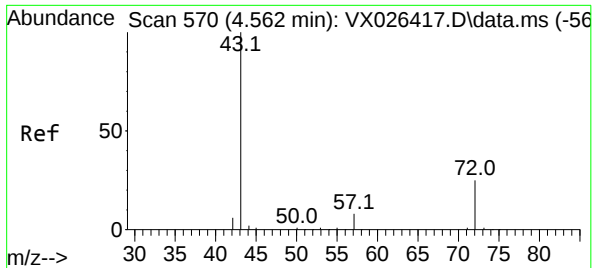
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Ion Ratio Lower Upper  
43 100  
58 32.5 23.0 34.6



#18  
Methyl Acetate  
Concen: 0.465 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. 0.006 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 43 Resp: 796  
Ion Ratio Lower Upper  
43 100  
74 19.2 18.3 27.5

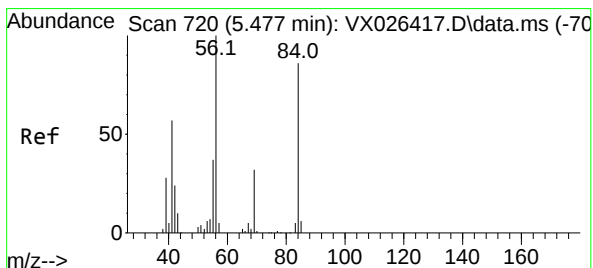
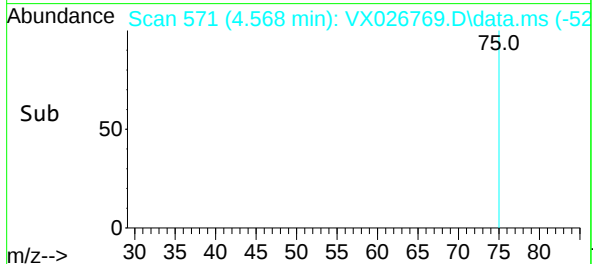
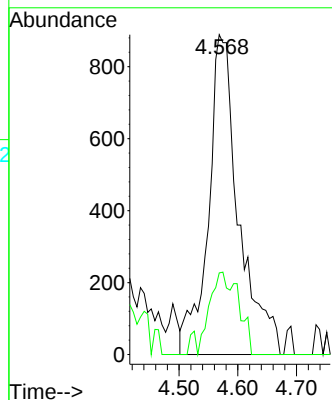
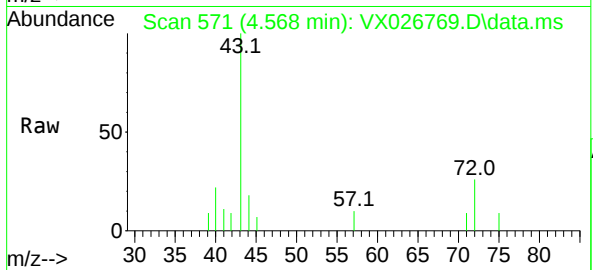




#25  
2-Butanone  
Concen: 2.851 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

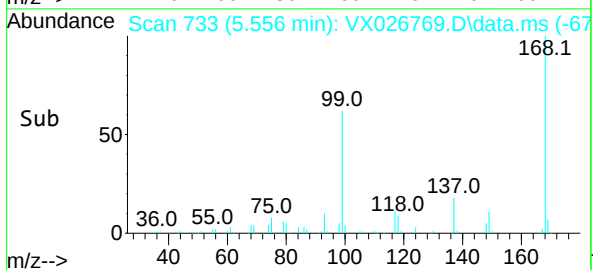
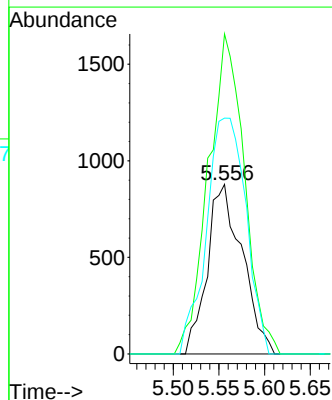
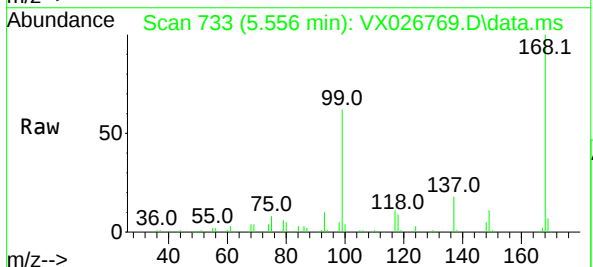
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

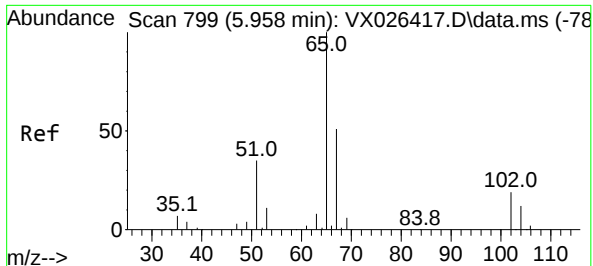
Tgt Ion: 43 Resp: 3192  
Ion Ratio Lower Upper  
43 100  
72 25.5 20.4 30.6



#31  
Cyclohexane  
Concen: 0.936 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 56 Resp: 2331  
Ion Ratio Lower Upper  
56 100  
69 188.7 25.8 38.6#  
84 139.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 44.905 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

Instrument :

MSVOA\_X

ClientSampleId :

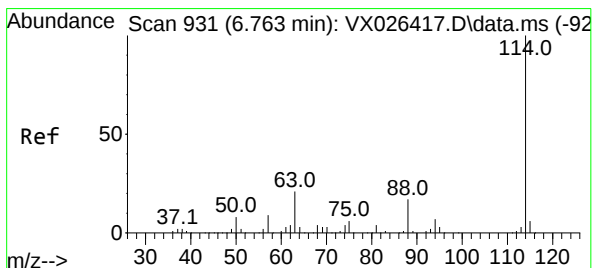
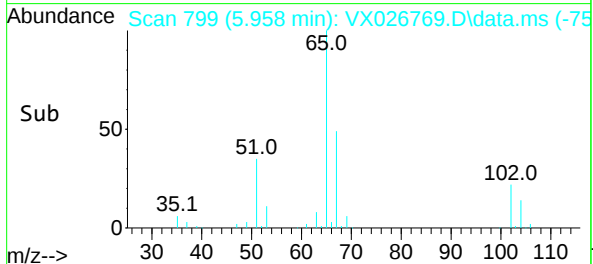
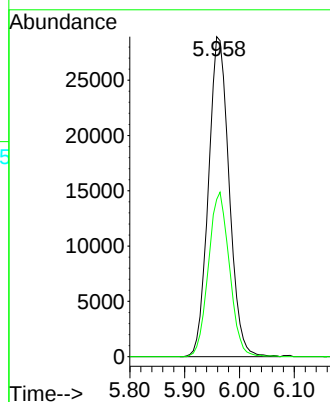
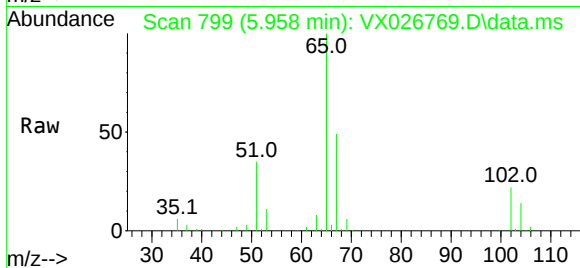
34026

Tgt Ion: 65 Resp: 75806

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

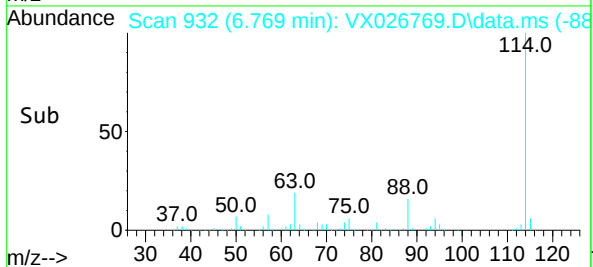
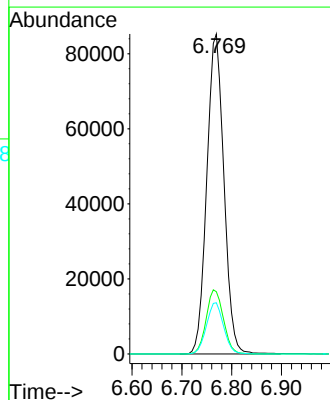
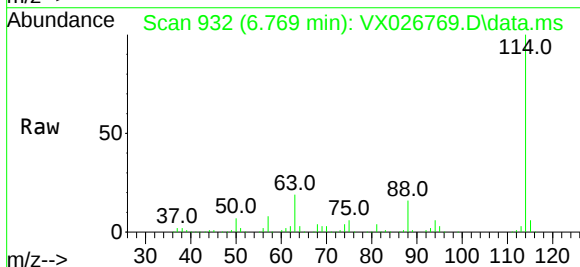
Tgt Ion: 114 Resp: 202768

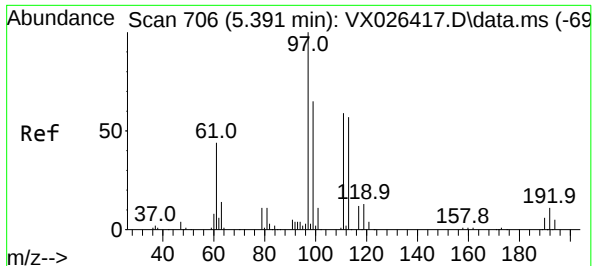
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.8

88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.334 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026769.D

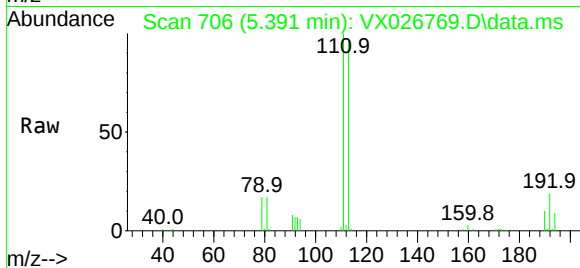
Acq: 03 Feb 2022 19:31

Instrument :

MSVOA\_X

ClientSampleId :

34026



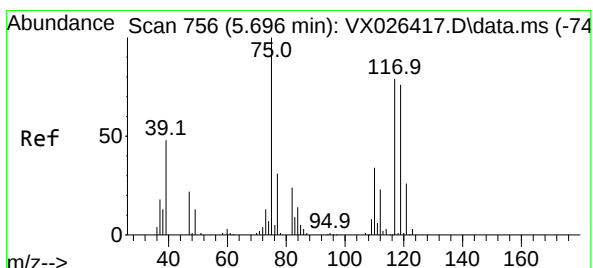
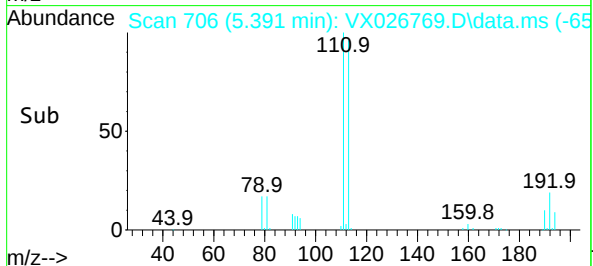
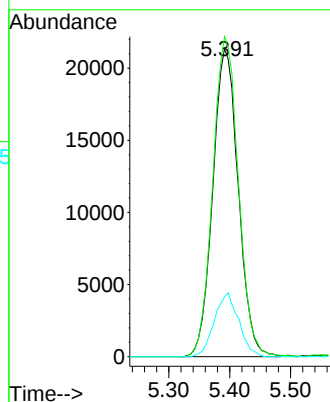
Tgt Ion:113 Resp: 61980

Ion Ratio Lower Upper

113 100

111 104.5 81.2 121.8

192 19.8 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.463 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

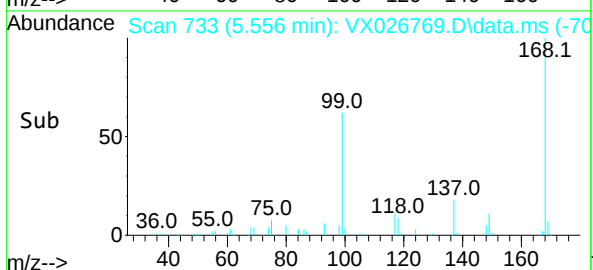
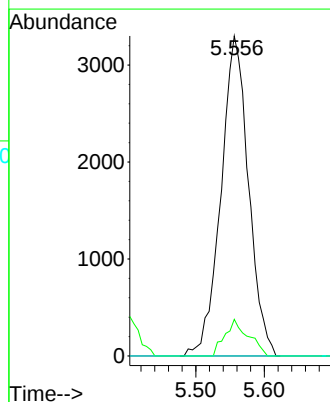
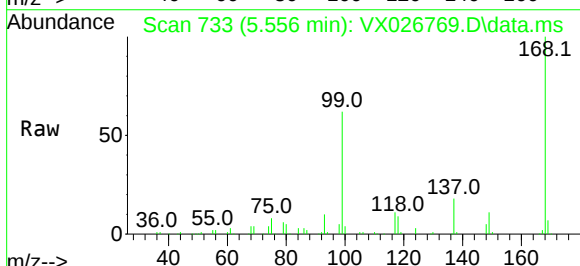
Tgt Ion: 75 Resp: 9225

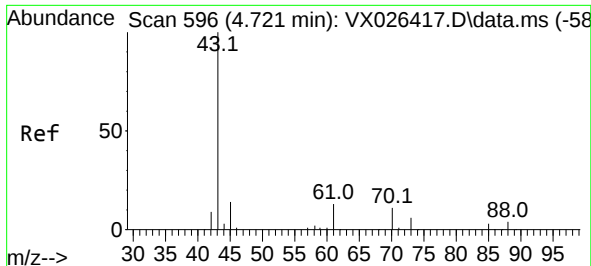
Ion Ratio Lower Upper

75 100

110 9.7 17.2 51.6#

77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.527 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

Instrument :

MSVOA\_X

ClientSampleId :

34026

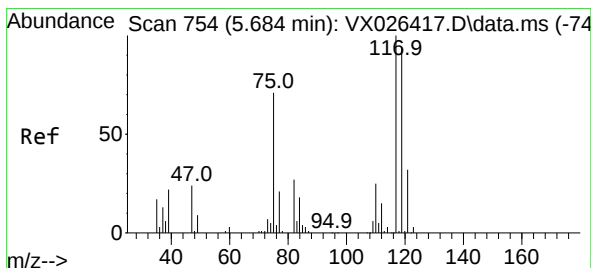
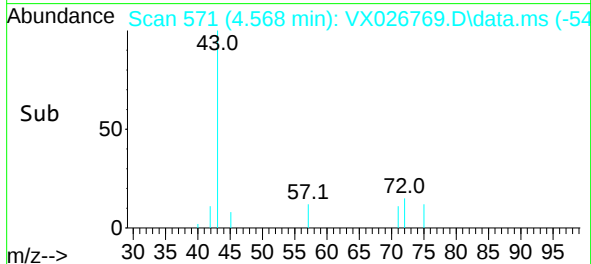
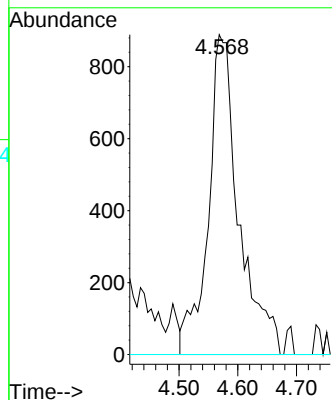
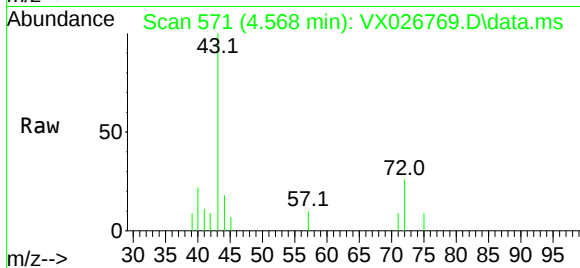
Tgt Ion: 43 Resp: 3192

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.964 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

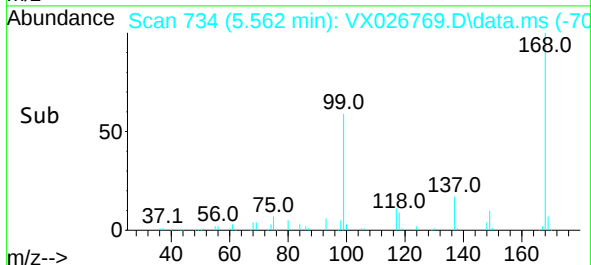
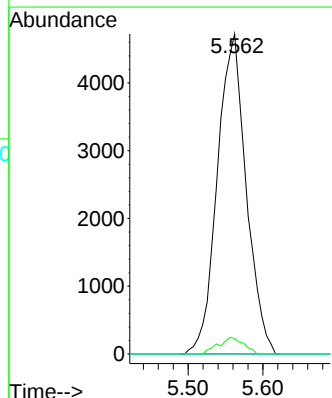
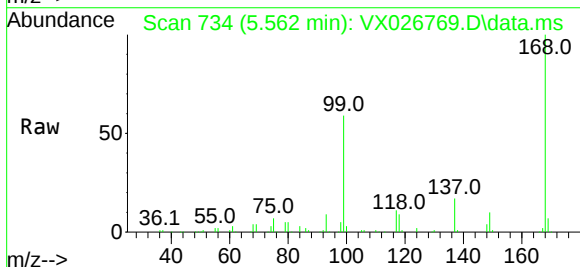
Tgt Ion: 117 Resp: 12682

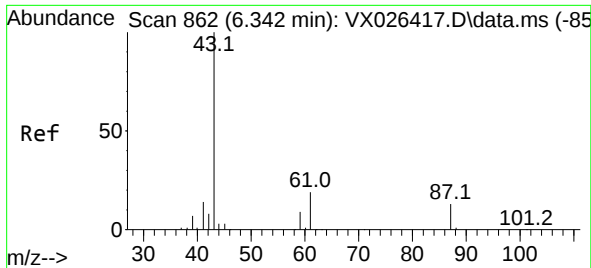
Ion Ratio Lower Upper

117 100

119 4.8 74.7 112.1#

121 0.0 25.4 38.0#

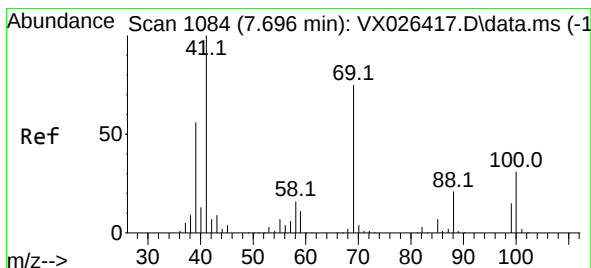
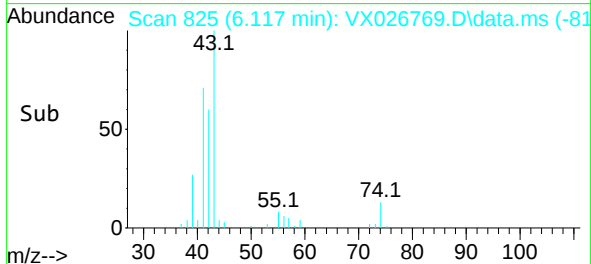
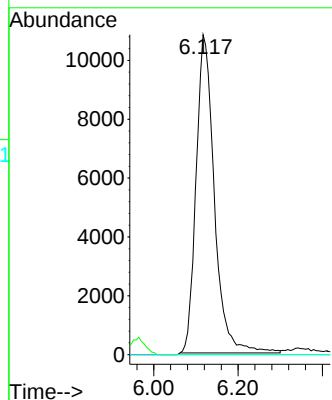
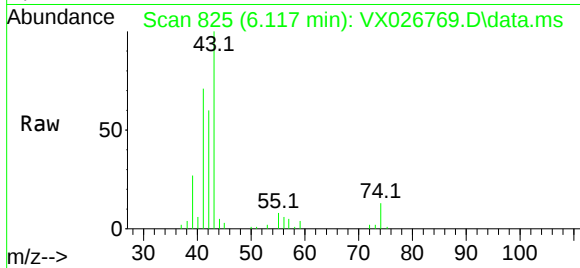




#43  
Isopropyl Acetate  
Concen: 9.657 ug/l  
RT: 6.117 min Scan# 81  
Delta R.T. -0.225 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

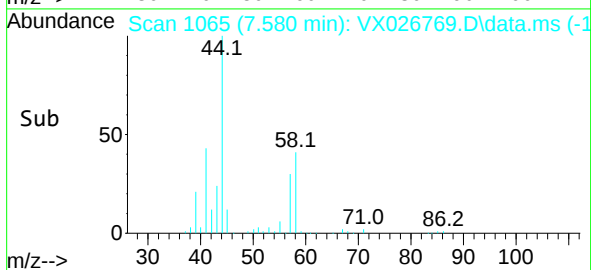
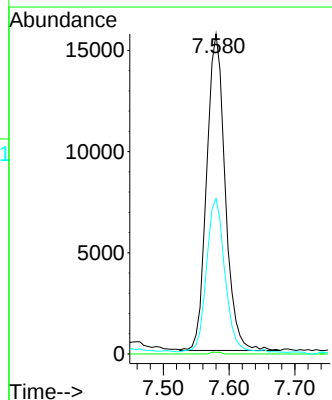
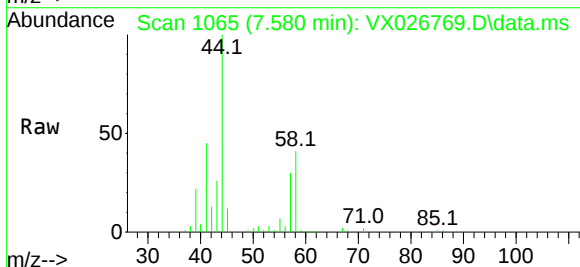
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

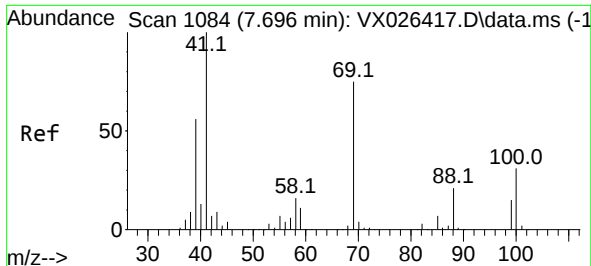
Tgt Ion: 43 Resp: 32617  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.4 23.0#  
87 0.0 10.2 15.2#



#48  
Methyl methacrylate  
Concen: 18.318 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. -0.116 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 41 Resp: 30663  
Ion Ratio Lower Upper  
41 100  
69 0.3 62.2 93.4#  
39 47.7 45.4 68.0





#49

1,4-Dioxane

Concen: 44.157 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. -0.024 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

Instrument :

MSVOA\_X

ClientSampleId :

34026

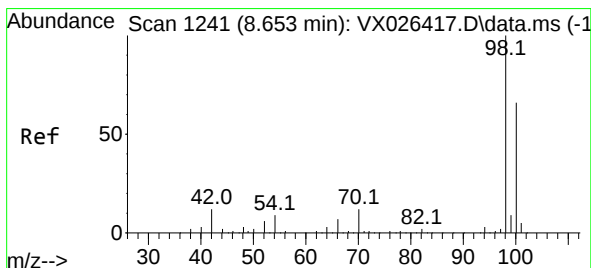
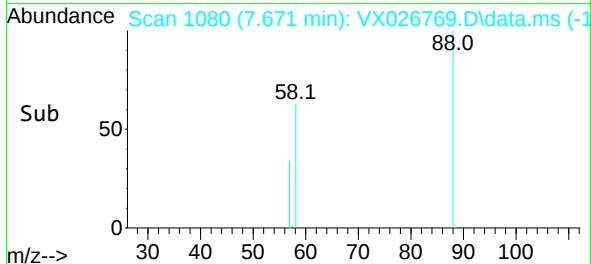
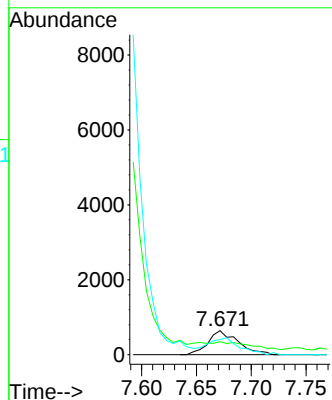
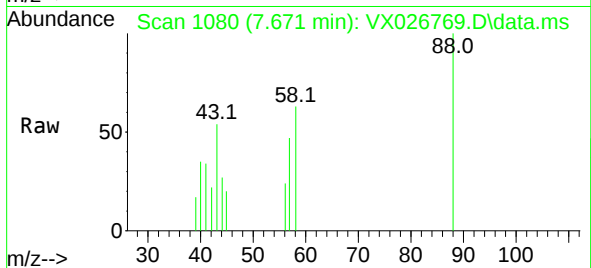
Tgt Ion: 88 Resp: 1213

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 77.1 57.8 86.6



#50

Toluene-d8

Concen: 49.327 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026769.D

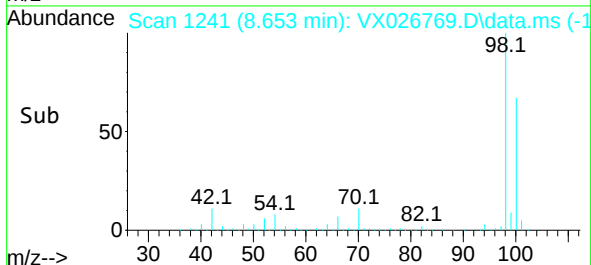
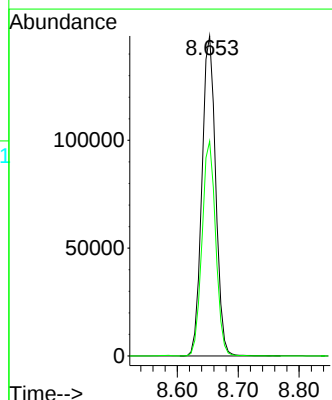
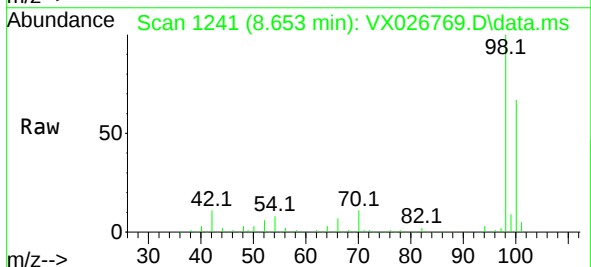
Acq: 03 Feb 2022 19:31

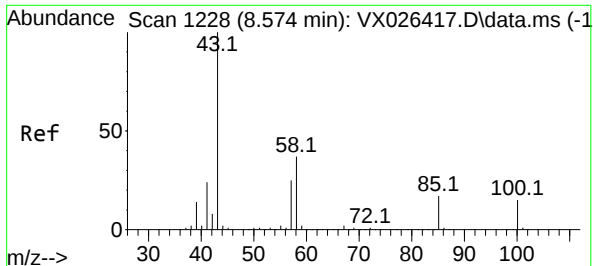
Tgt Ion: 98 Resp: 232753

Ion Ratio Lower Upper

98 100

100 66.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 1.319 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

Instrument :

MSVOA\_X

ClientSampleId :

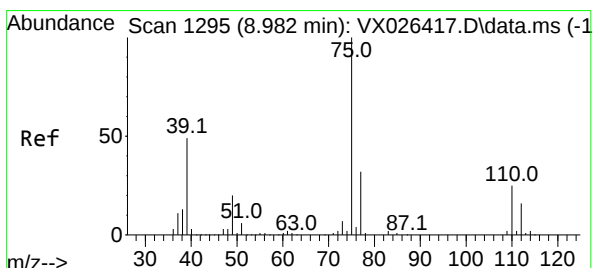
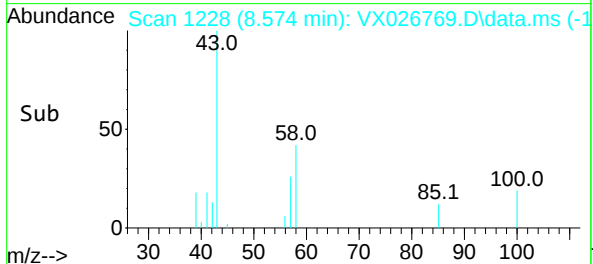
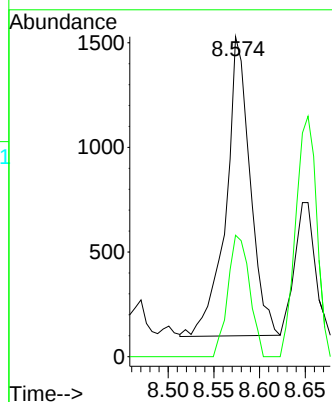
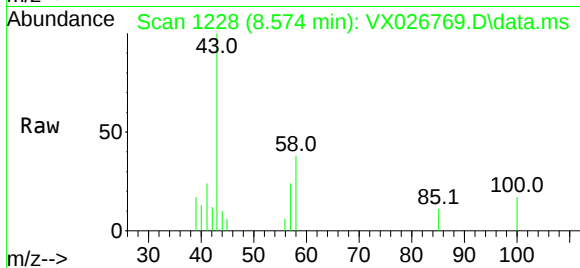
34026

Tgt Ion: 43 Resp: 2642

Ion Ratio Lower Upper

43 100

58 36.3 30.5 45.7



#53

t-1,3-Dichloropropene

Concen: 2.688 ug/l

RT: 8.903 min Scan# 1282

Delta R.T. -0.079 min

Lab File: VX026769.D

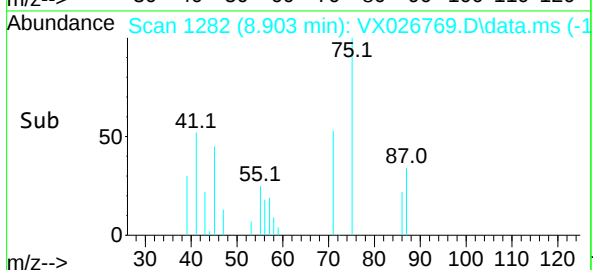
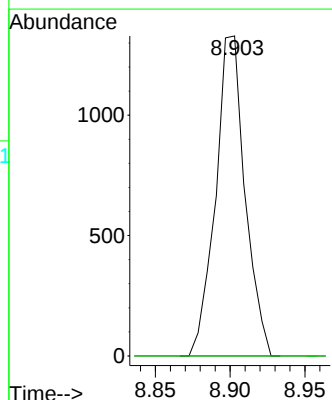
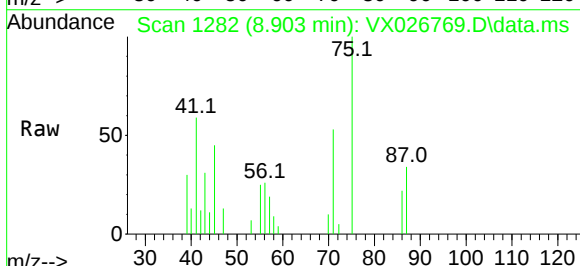
Acq: 03 Feb 2022 19:31

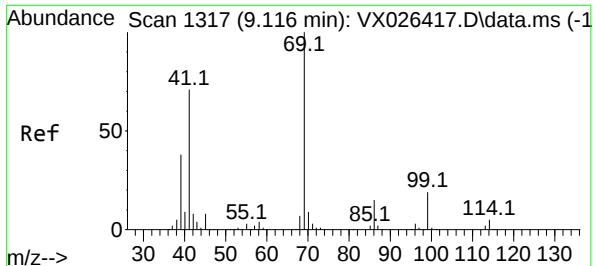
Tgt Ion: 75 Resp: 1825

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#





#56

Ethyl methacrylate

Concen: 0.415 ug/l

RT: 9.196 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX026769.D

Acq: 03 Feb 2022 19:31

Instrument :

MSVOA\_X

ClientSampleId :

34026

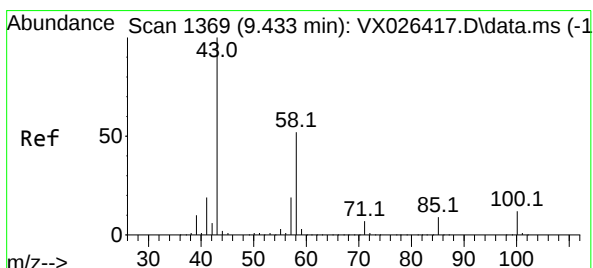
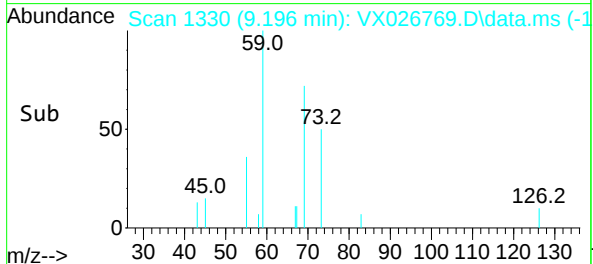
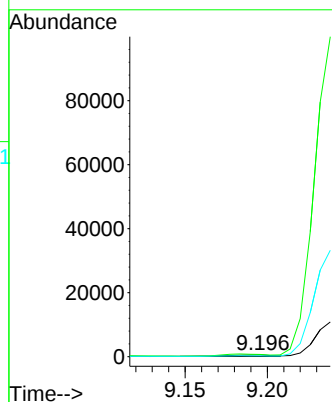
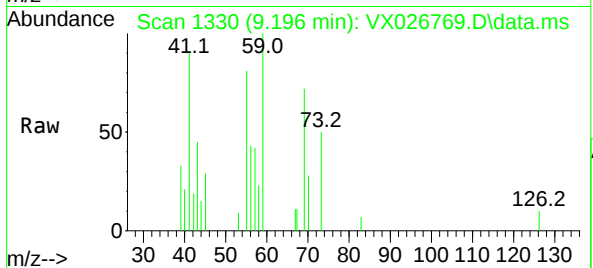
Tgt Ion: 69 Resp: 870

Ion Ratio Lower Upper

69 100

41 0.0 57.2 85.8#

39 0.0 30.9 46.3#



#59

2-Hexanone

Concen: 1.176 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026769.D

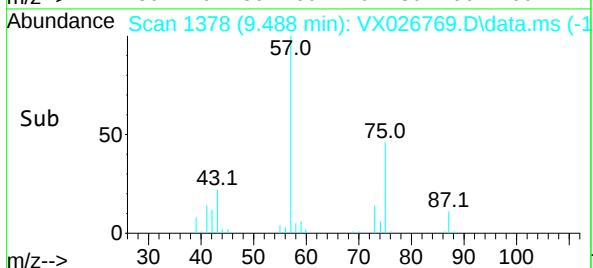
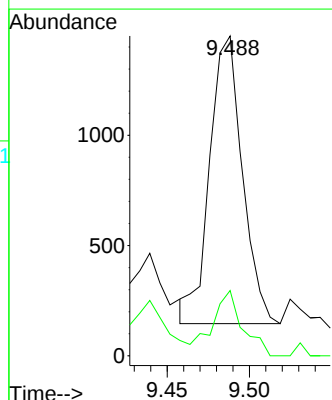
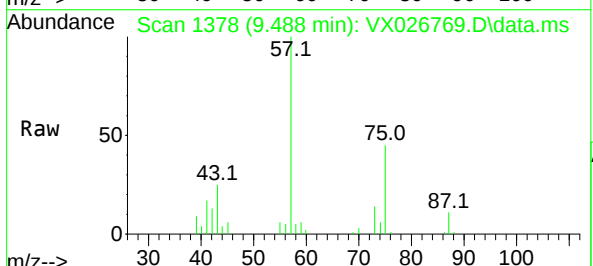
Acq: 03 Feb 2022 19:31

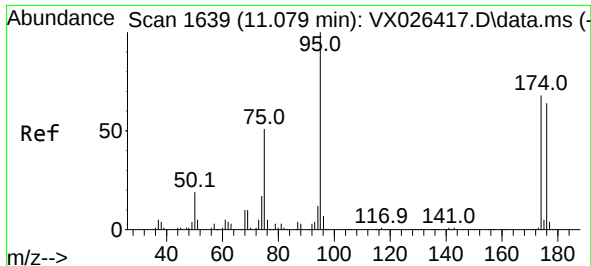
Tgt Ion: 43 Resp: 1804

Ion Ratio Lower Upper

43 100

58 20.8 26.4 79.2#

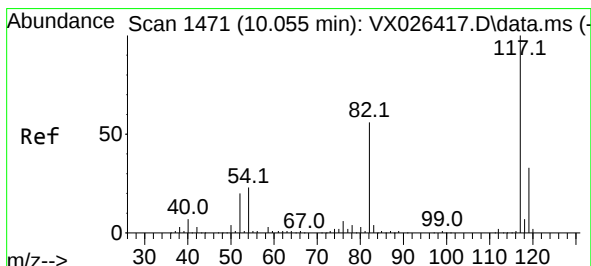
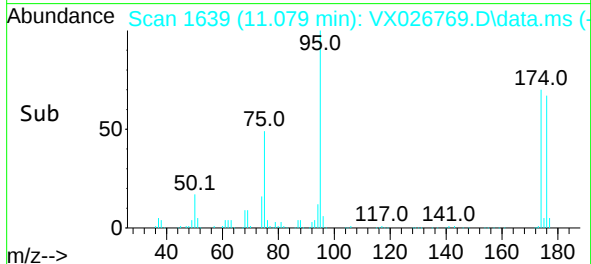
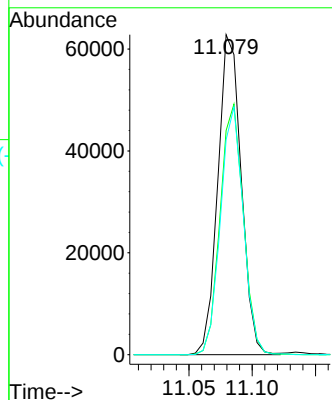
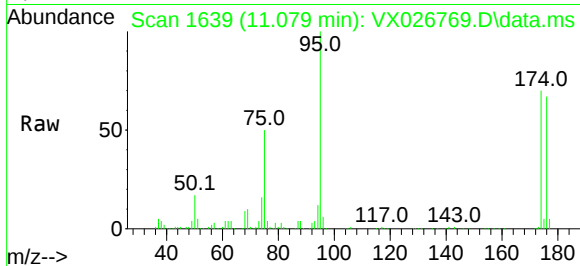




#62  
4-Bromofluorobenzene  
Concen: 48.035 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

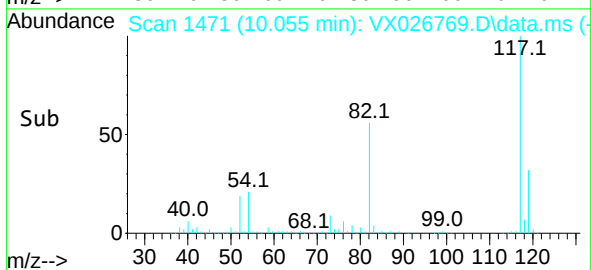
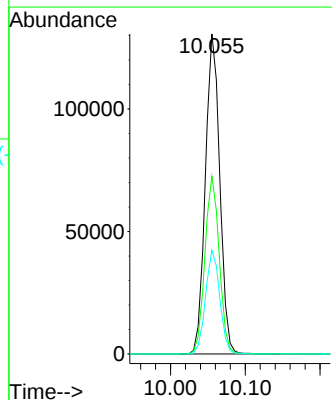
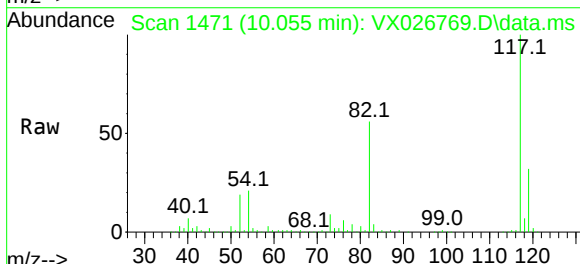
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

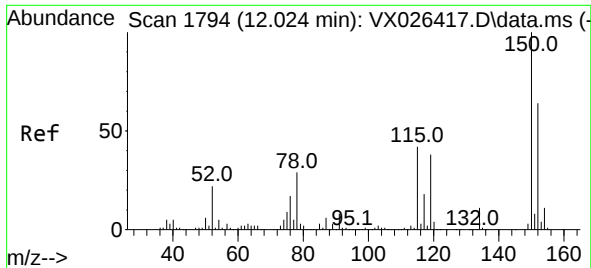
Tgt Ion: 95 Resp: 80516  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 148.6  
176 75.8 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 117 Resp: 174826  
Ion Ratio Lower Upper  
117 100  
82 55.5 45.2 67.8  
119 32.4 26.2 39.2

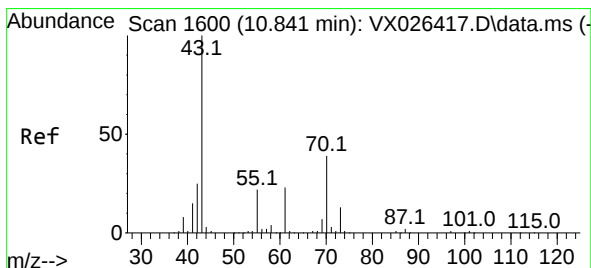
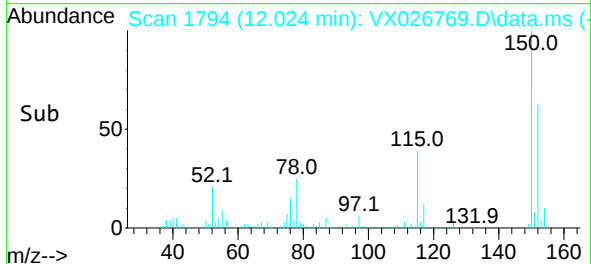
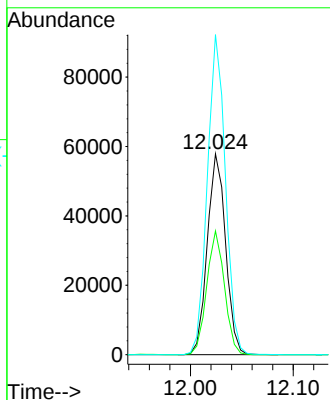
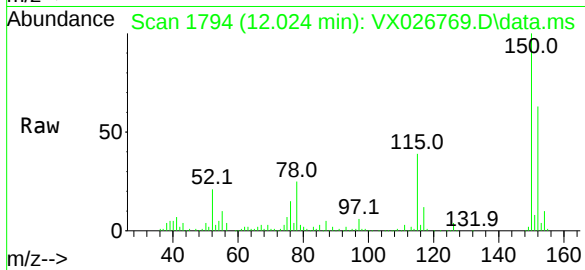




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX026769.D  
 Acq: 03 Feb 2022 19:31

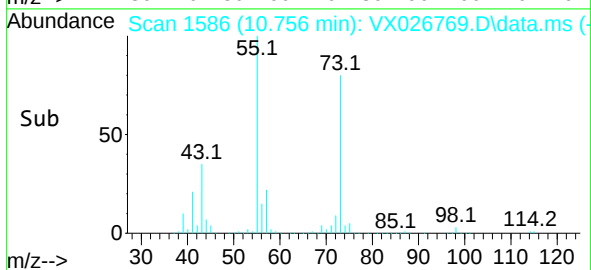
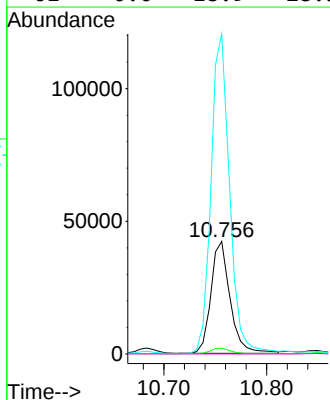
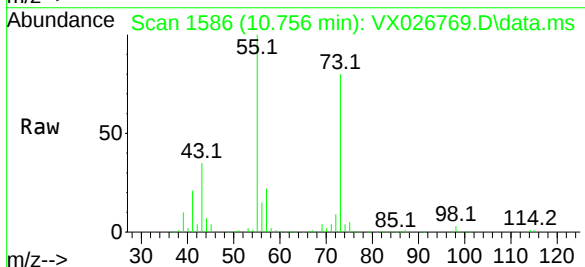
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 34026

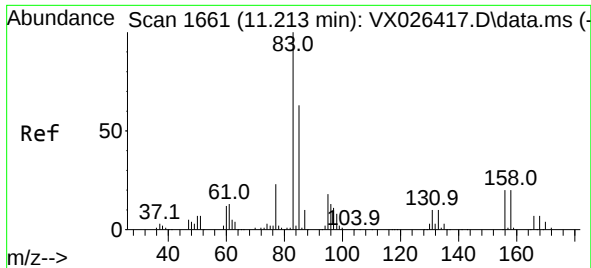
Tgt Ion:152 Resp: 71823  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 44.2 132.6  
 150 157.1 0.0 348.2



#74  
 N-ethyl acetate  
 Concen: 24.121 ug/l  
 RT: 10.756 min Scan# 1586  
 Delta R.T. -0.085 min  
 Lab File: VX026769.D  
 Acq: 03 Feb 2022 19:31

Tgt Ion: 43 Resp: 54822  
 Ion Ratio Lower Upper  
 43 100  
 70 6.1 32.9 49.3#  
 55 276.5 18.3 27.5#  
 61 0.0 18.9 28.3#

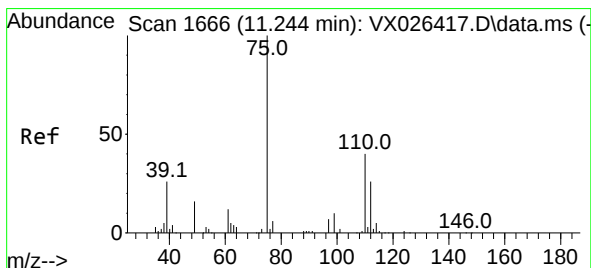
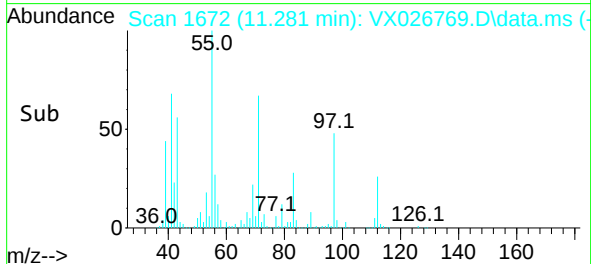
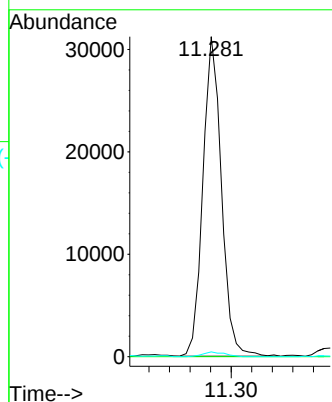
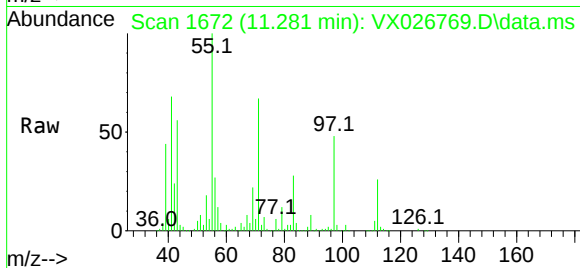




#75  
1,1,2,2-Tetrachloroethane  
Concen: 24.767 ug/l  
RT: 11.281 min Scan# 1639  
Delta R.T. 0.067 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

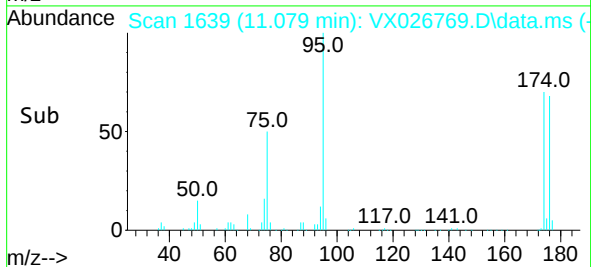
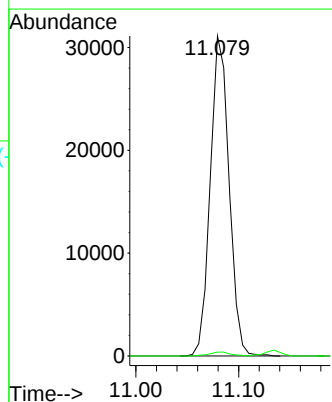
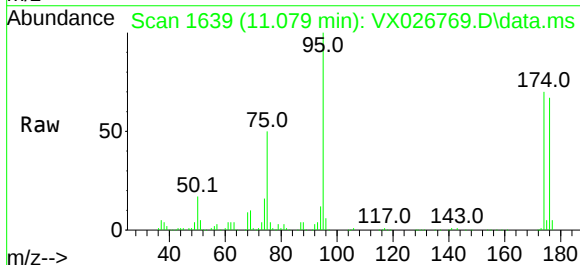
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

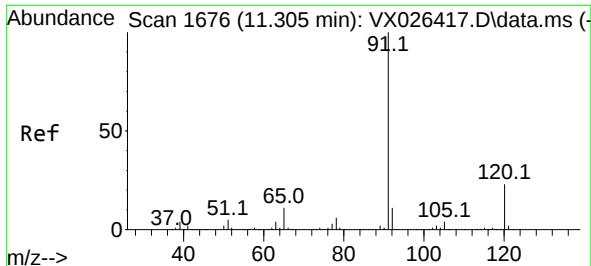
Tgt Ion: 83 Resp: 39137  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.3 15.9#  
85 0.0 32.0 96.2#



#76  
1,2,3-Trichloropropane  
Concen: 25.022 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 75 Resp: 39570  
Ion Ratio Lower Upper  
75 100  
77 1.4 18.3 54.8#

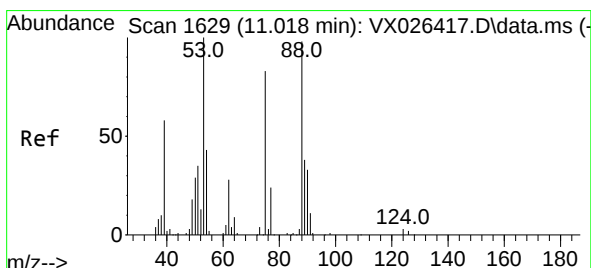
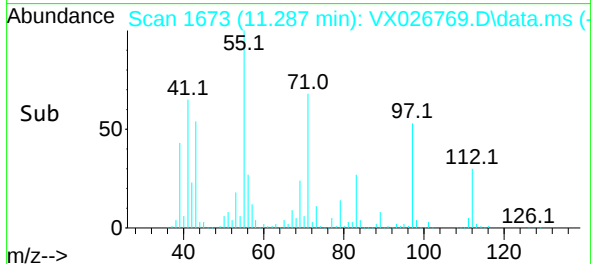
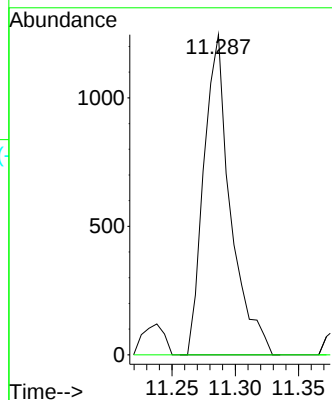
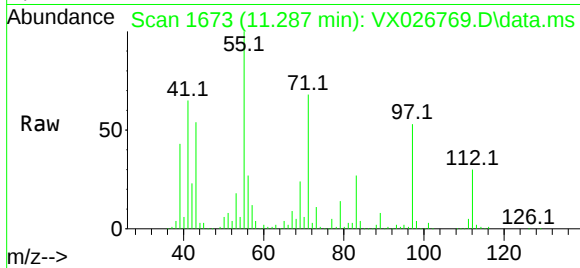




#78  
n-propylbenzene  
Concen: 0.273 ug/l  
RT: 11.287 min Scan# 1673  
Delta R.T. -0.018 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

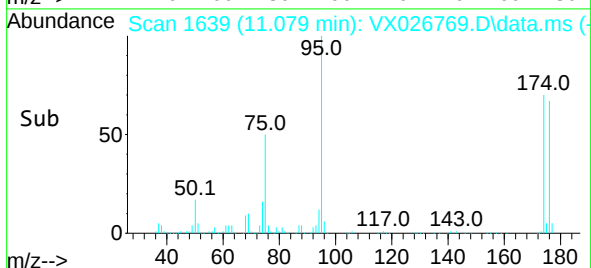
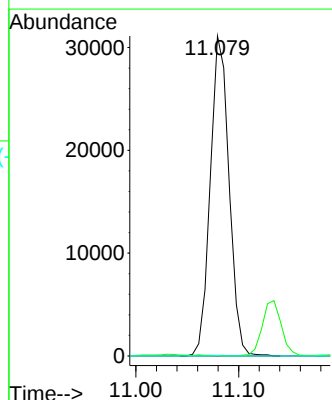
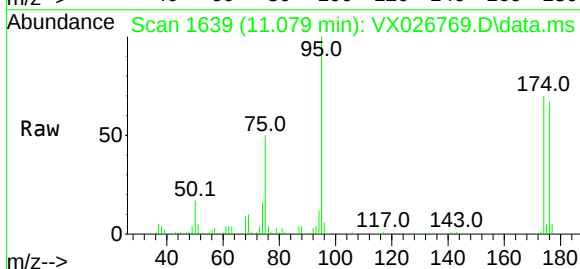
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

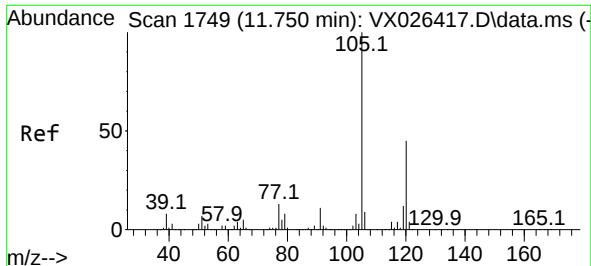
Tgt Ion: 91 Resp: 1830  
Ion Ratio Lower Upper  
91 100  
120 0.0 11.6 34.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.054 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 75 Resp: 39570  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

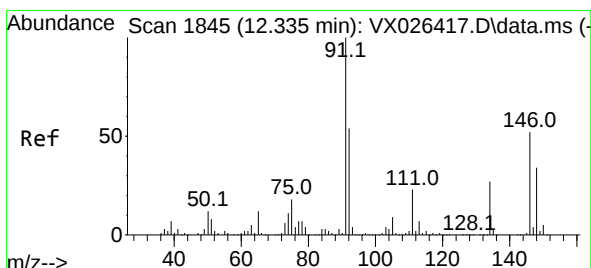
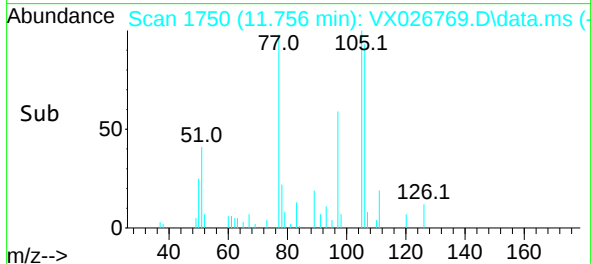
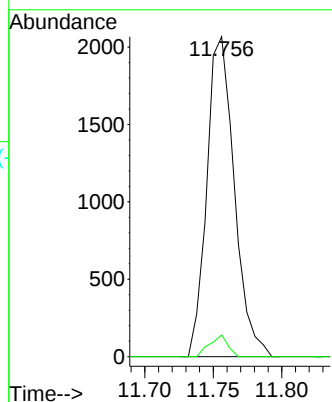
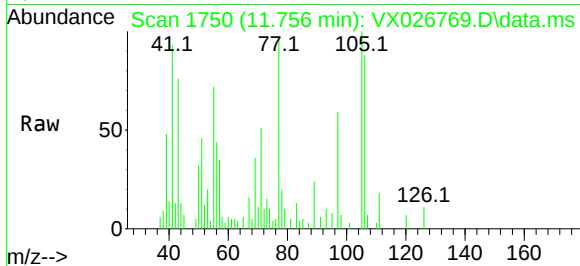




#84  
1,2,4-Trimethylbenzene  
Concen: 0.594 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

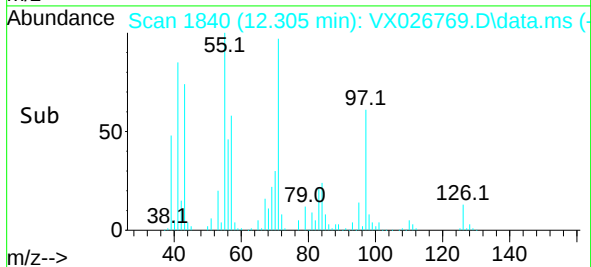
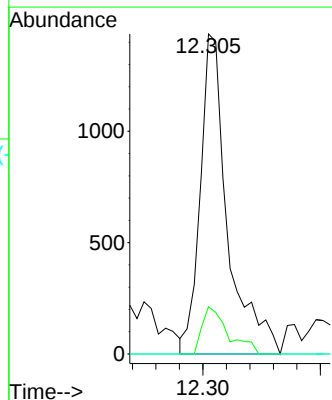
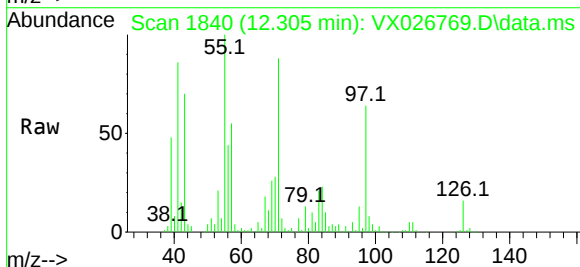
Instrument :  
MSVOA\_X  
ClientSampleId :  
34026

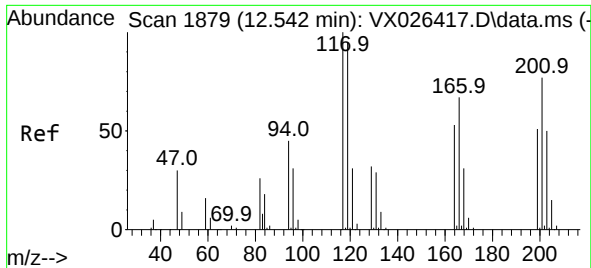
Tgt Ion:105 Resp: 2885  
Ion Ratio Lower Upper  
105 100  
120 4.4 21.9 65.5#



#89  
n-Butylbenzene  
Concen: 0.550 ug/l  
RT: 12.305 min Scan# 1840  
Delta R.T. -0.030 min  
Lab File: VX026769.D  
Acq: 03 Feb 2022 19:31

Tgt Ion: 91 Resp: 2319  
Ion Ratio Lower Upper  
91 100  
92 13.9 27.2 81.6#  
134 0.0 13.1 39.1#





#90  
 Hexachloroethane  
 Concen: 2.324 ug/l  
 RT: 12.610 min Scan# 11  
 Delta R.T. 0.068 min  
 Lab File: VX026769.D  
 Acq: 03 Feb 2022 19:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 34026

Tgt Ion:117 Resp: 126  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 35.6 106.8#

