

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122122\  
 Data File : VX033535.D  
 Acq On : 21 Dec 2022 15:28  
 Operator : JC/MD  
 Sample : N6161-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 N40305

Quant Time: Dec 22 03:59:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 07 12:43:54 2022  
 Response via : Initial Calibration

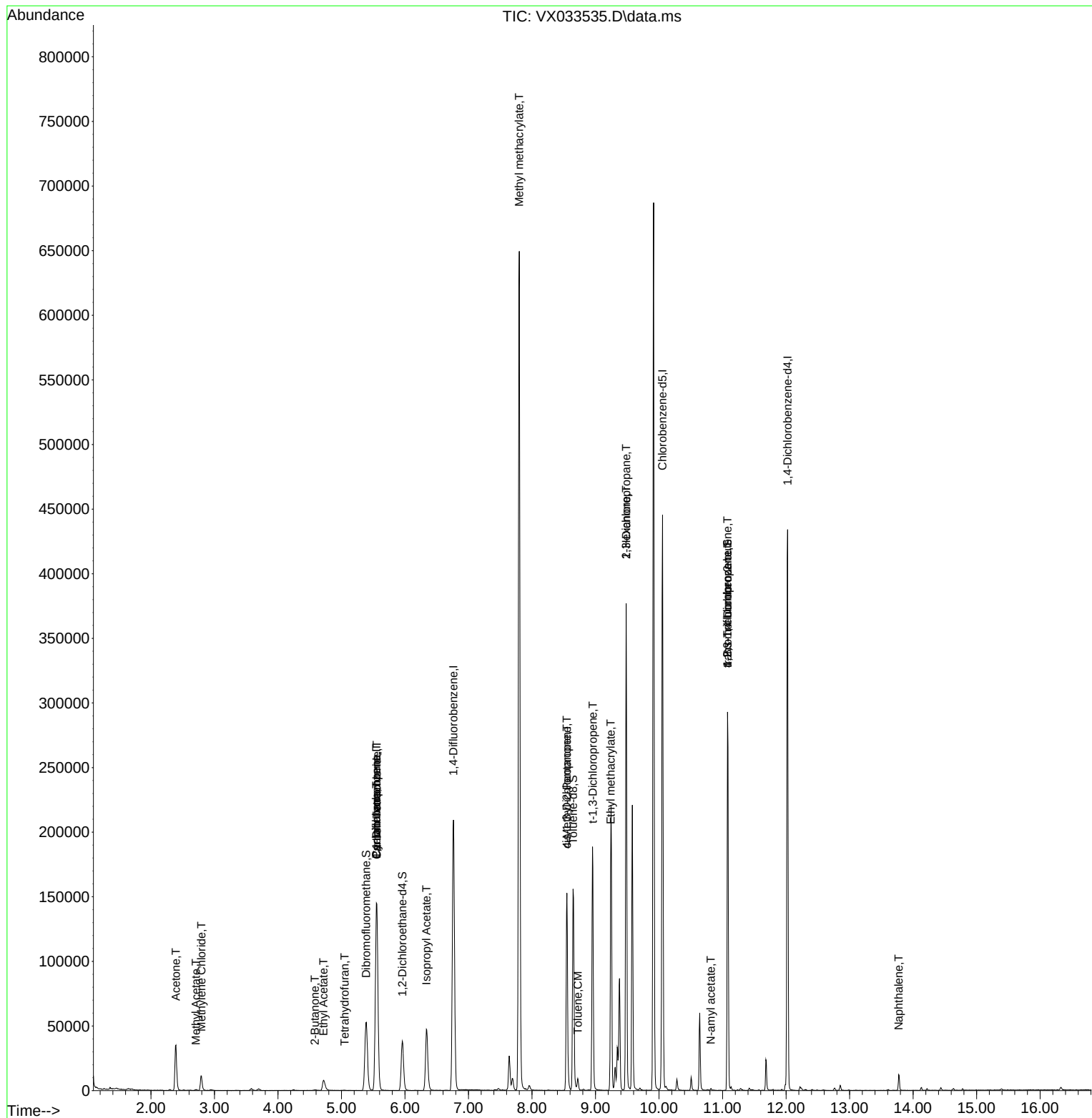
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 146234   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 230986   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 204634   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 96861    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 38730    | 41.284   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 82.560%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 48581    | 46.761   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 93.520%  |
| 50) Toluene-d8                | 8.647  | 98    | 99495    | 45.779   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 91.560%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 79690    | 47.954   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 95.900%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.392  | 43    | 44015    | 63.404   | ug/l   | 94       |
| 18) Methyl Acetate            | 2.709  | 43    | 1025     | 0.510    | ug/l # | 81       |
| 20) Methylene Chloride        | 2.794  | 84    | 6503     | 4.200    | ug/l # | 85       |
| 25) 2-Butanone                | 4.580  | 43    | 892      | 0.895    | ug/l # | 47       |
| 29) Tetrahydrofuran           | 5.050  | 42    | 297      | 0.460    | ug/l # | 31       |
| 31) Cyclohexane               | 5.550  | 56    | 2478     | 1.111    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9809     | 4.843    | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.715  | 43    | 14875    | 7.769    | ug/l   | 98       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14583    | 6.426    | ug/l # | 14       |
| 43) Isopropyl Acetate         | 6.336  | 43    | 64072    | 20.797   | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.799  | 41    | 53916    | 33.909   | ug/l # | 41       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 50995    | 26.175   | ug/l # | 50       |
| 52) Toluene                   | 8.720  | 92    | 3138     | 0.822    | ug/l   | 90       |
| 53) t-1,3-Dichloropropene     | 8.958  | 75    | 410      | 2.667    | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 26546    | 11.123   | ug/l # | 53       |
| 56) Ethyl methacrylate        | 9.238  | 69    | 506      | 0.224    | ug/l # | 1        |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 3186     | 1.236    | ug/l # | 42       |
| 59) 2-Hexanone                | 9.482  | 43    | 40200    | 27.999   | ug/l # | 54       |
| 74) N-amyl acetate            | 10.817 | 43    | 610      | 0.255    | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38432    | 19.502   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38432    | 60.665   | ug/l # | 6        |
| 95) Naphthalene               | 13.774 | 128   | 8832     | 1.365    | ug/l   | 99       |
| -----                         |        |       |          |          |        |          |

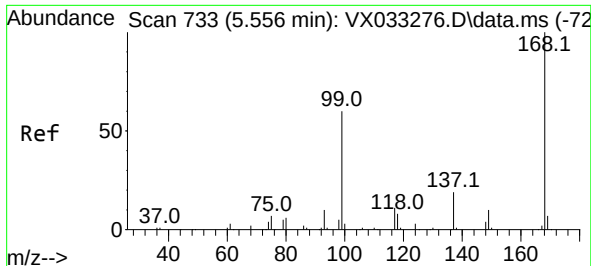
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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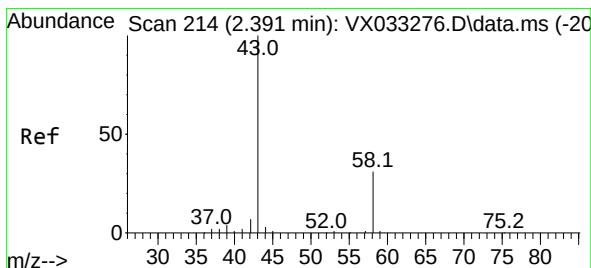
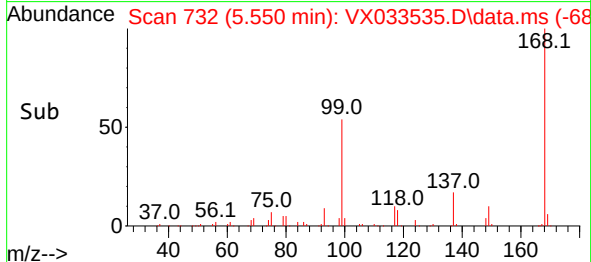
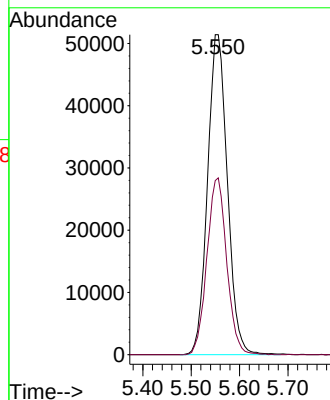
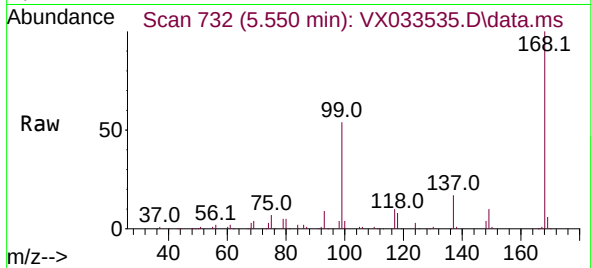




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

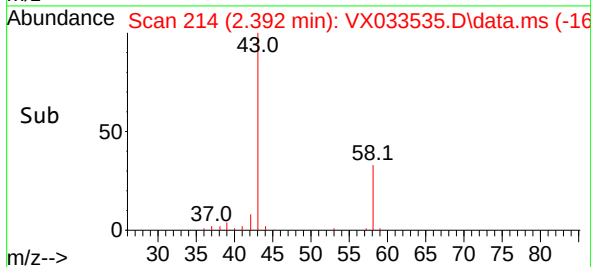
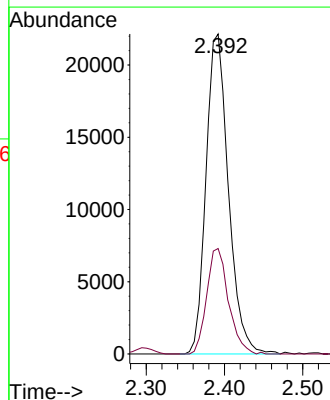
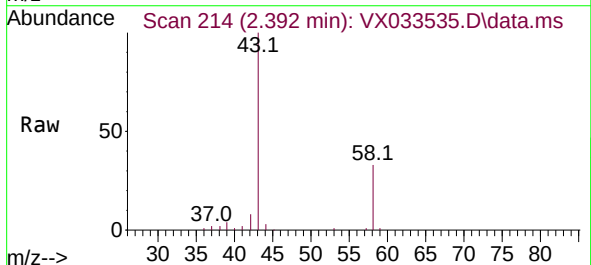
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

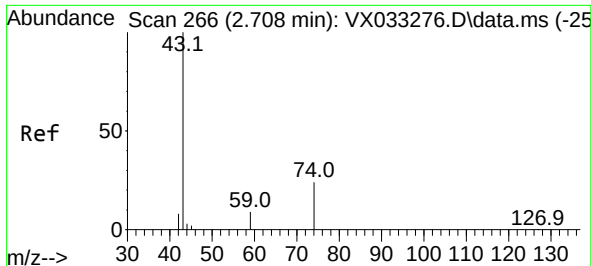
Tgt Ion:168 Resp: 146234  
Ion Ratio Lower Upper  
168 100  
99 54.4 46.1 69.1



#16  
Acetone  
Concen: 63.404 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 43 Resp: 44015  
Ion Ratio Lower Upper  
43 100  
58 32.9 23.8 35.8





#18

Methyl Acetate

Concen: 0.510 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX033535.D

Acq: 21 Dec 2022 15:28

Instrument :

MSVOA\_X

ClientSampleId :

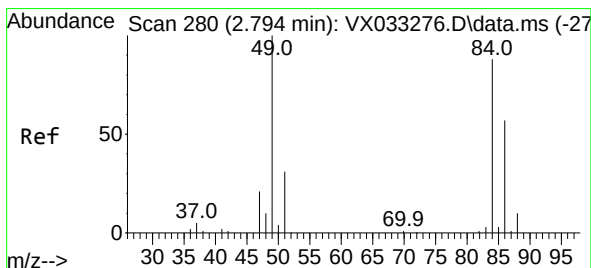
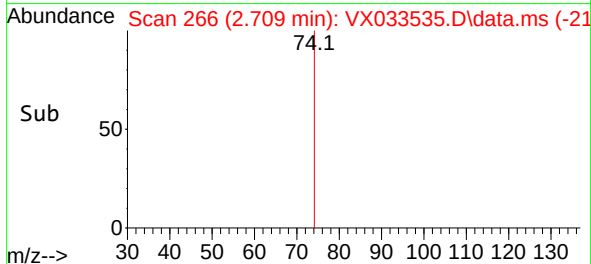
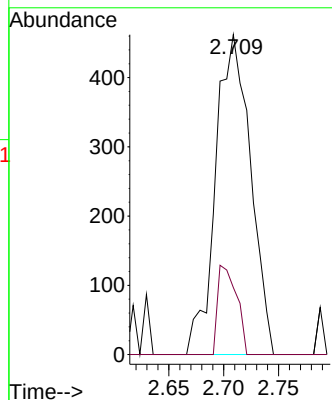
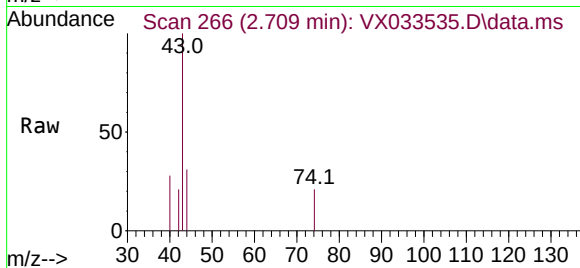
N40305

Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

74 15.0 19.4 29.0#



#20

Methylene Chloride

Concen: 4.200 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX033535.D

Acq: 21 Dec 2022 15:28

Tgt Ion: 84 Resp: 6503

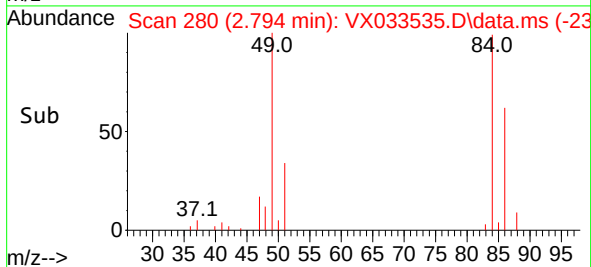
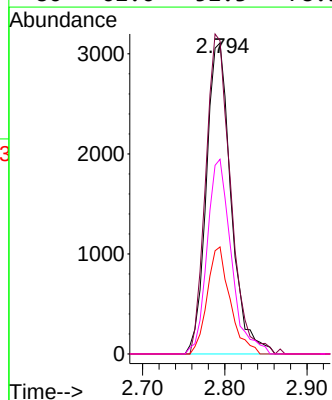
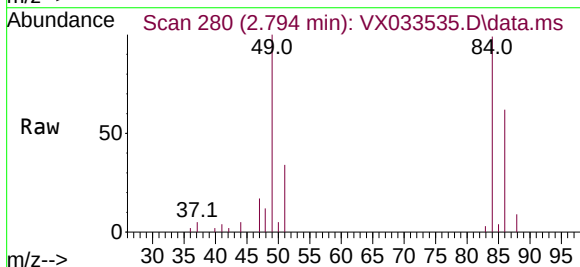
Ion Ratio Lower Upper

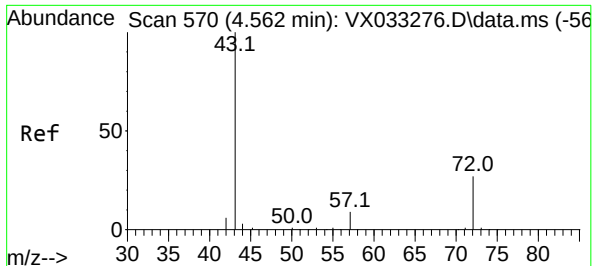
84 100

49 100.7 101.0 151.6#

51 34.4 31.1 46.7

86 62.6 52.3 78.5





#25

2-Butanone

Concen: 0.895 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX033535.D

Acq: 21 Dec 2022 15:28

Instrument :

MSVOA\_X

ClientSampleId :

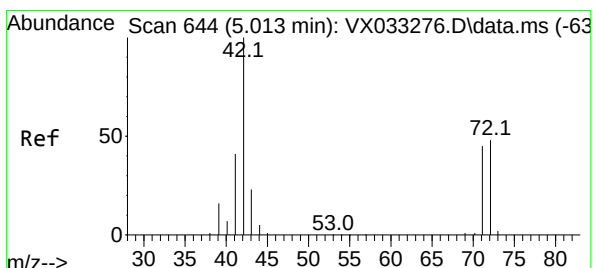
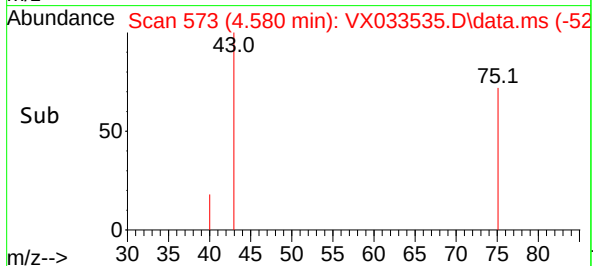
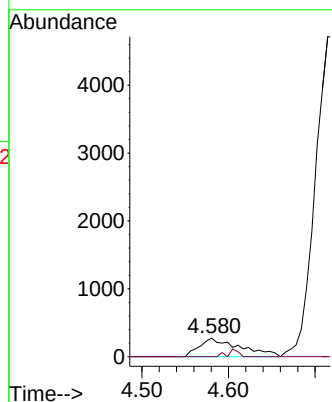
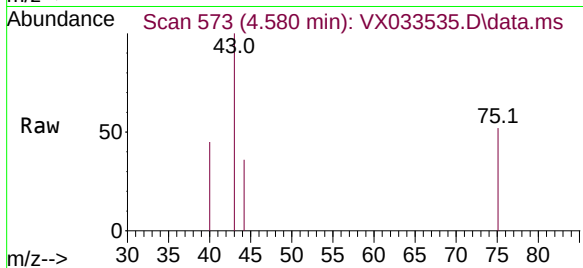
N40305

Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.460 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX033535.D

Acq: 21 Dec 2022 15:28

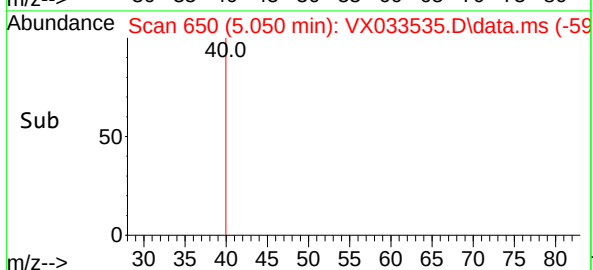
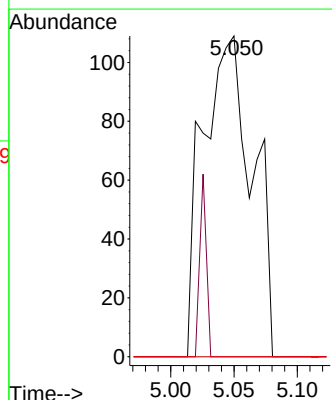
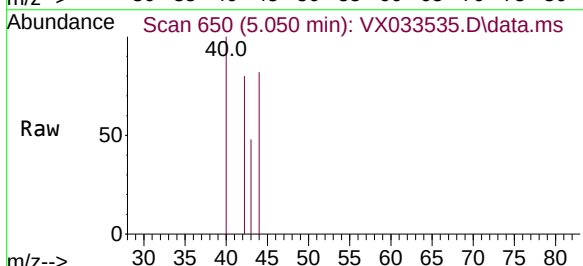
Tgt Ion: 42 Resp: 297

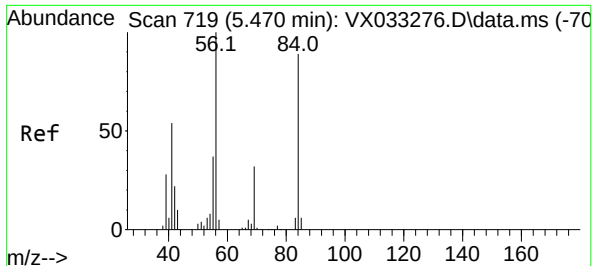
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#

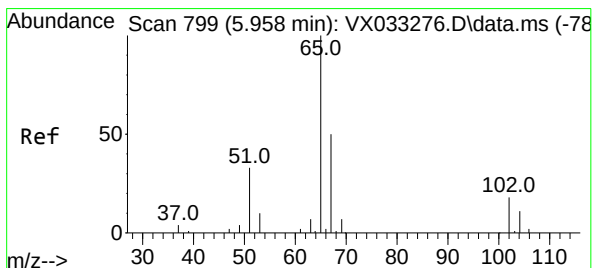
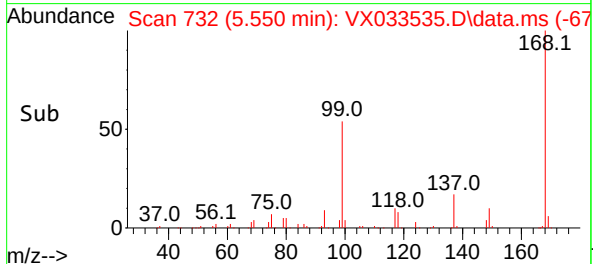
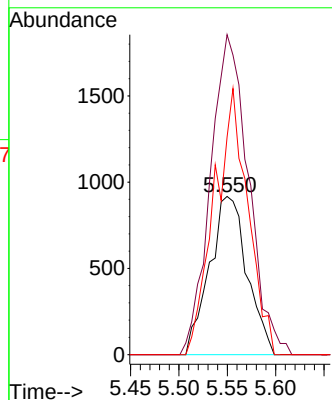
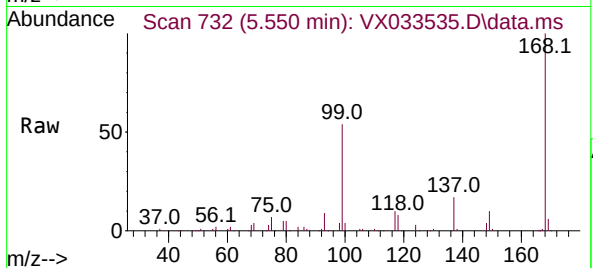




#31  
Cyclohexane  
Concen: 1.111 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.080 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

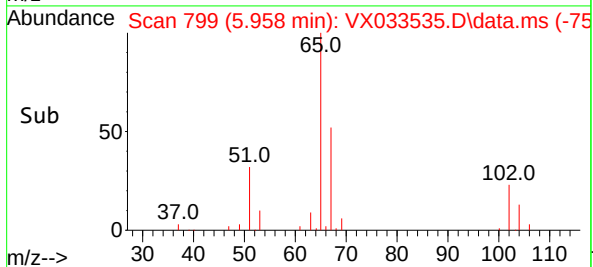
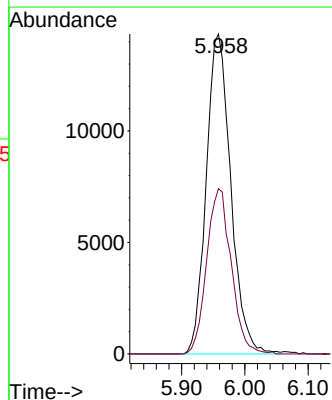
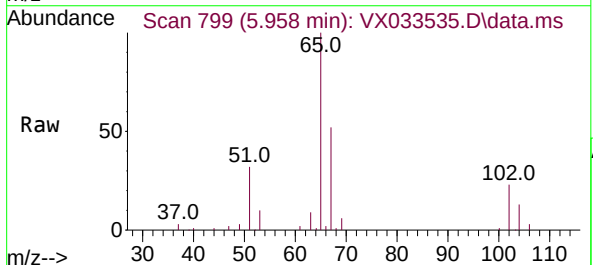
Instrument :  
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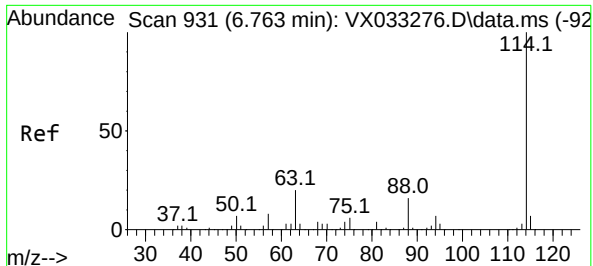
Tgt Ion: 56 Resp: 2478  
Ion Ratio Lower Upper  
56 100  
69 202.3 24.1 36.1#  
84 137.5 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 41.284 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 65 Resp: 38730  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 101.8

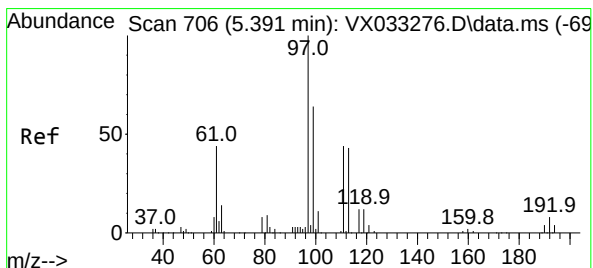
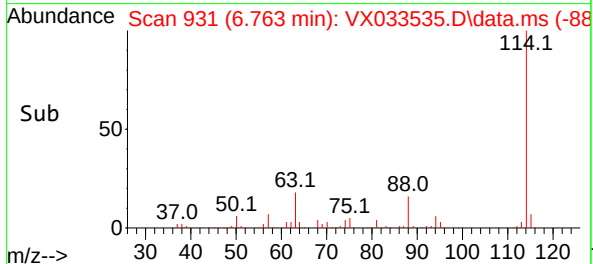
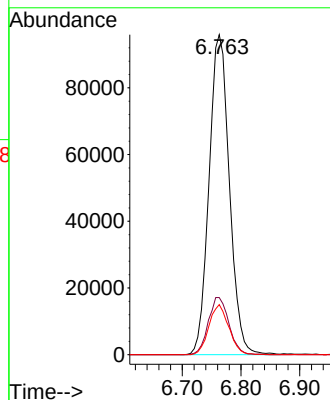
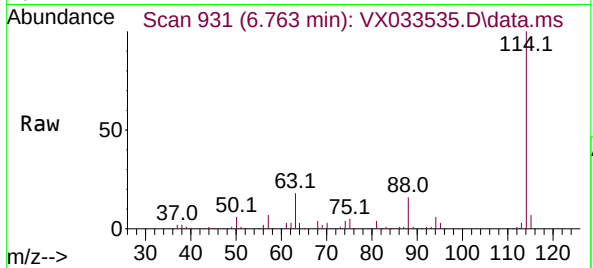




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

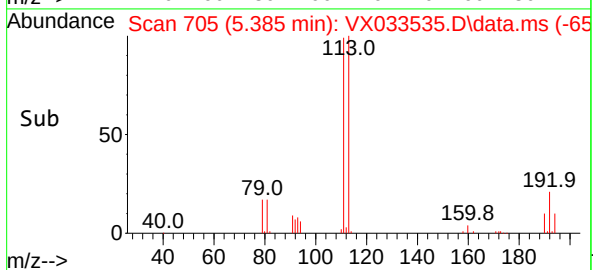
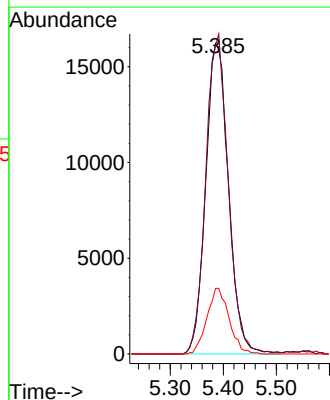
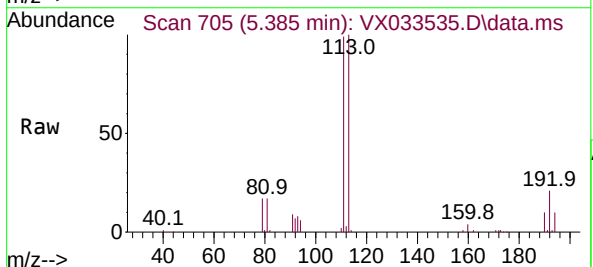
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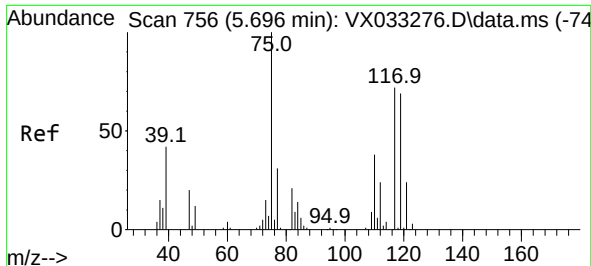
Tgt Ion:114 Resp: 230986  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 41.6  
88 15.6 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 46.761 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

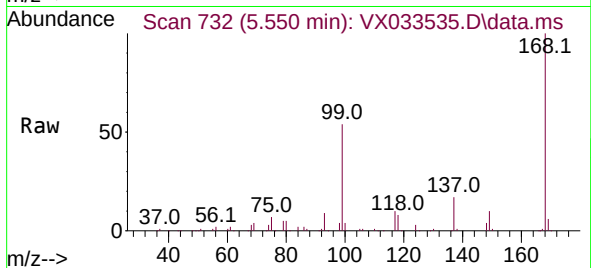
Tgt Ion:113 Resp: 48581  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.4 123.6  
192 20.5 15.4 23.2



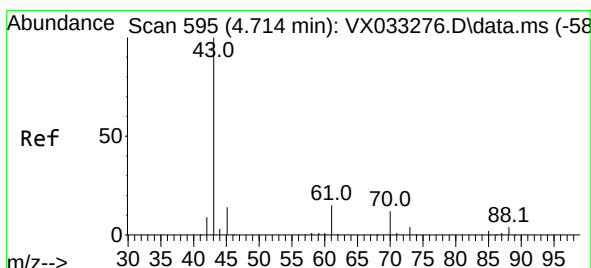
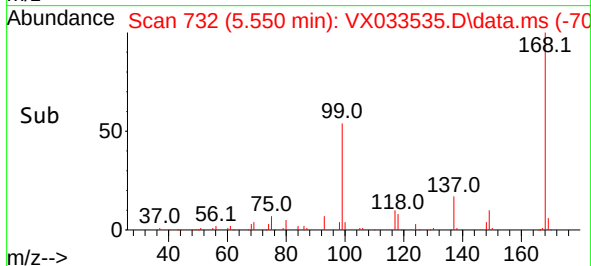
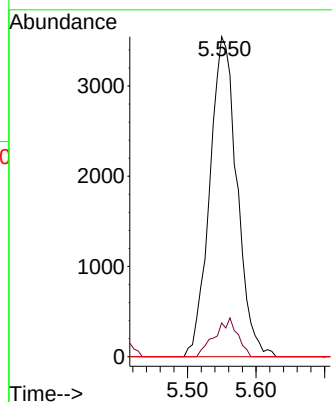


#36  
1,1-Dichloropropene  
Concen: 4.843 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

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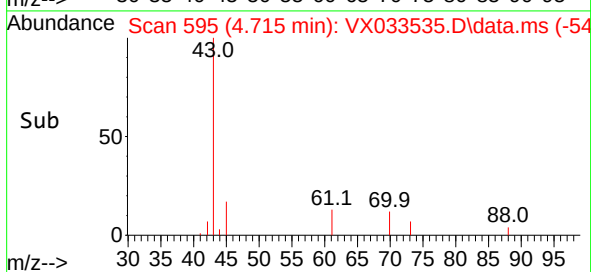
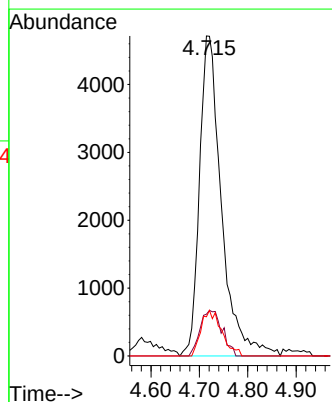
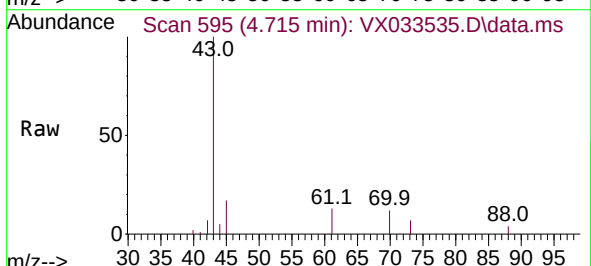


Tgt Ion: 75 Resp: 9809  
Ion Ratio Lower Upper  
75 100  
110 10.0 18.4 55.2#  
77 0.0 24.5 36.7#

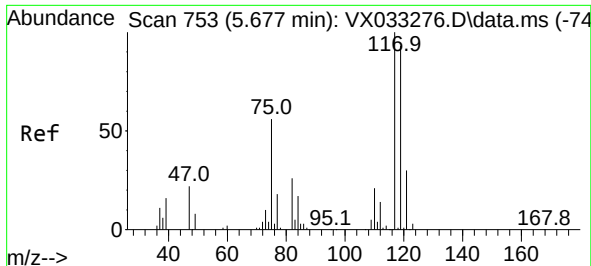


#37  
Ethyl Acetate  
Concen: 7.769 ug/l  
RT: 4.715 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 43 Resp: 14875  
Ion Ratio Lower Upper  
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61 14.3 11.5 17.3  
70 13.3 9.1 13.7

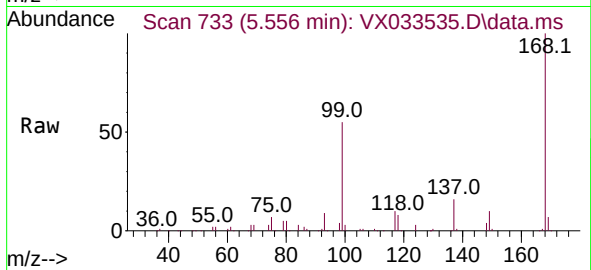




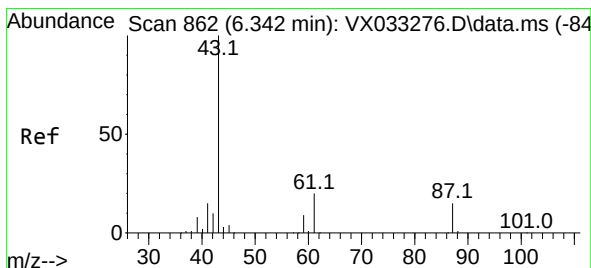
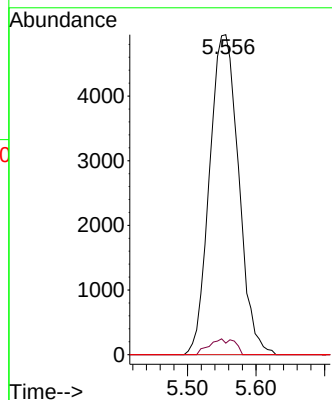
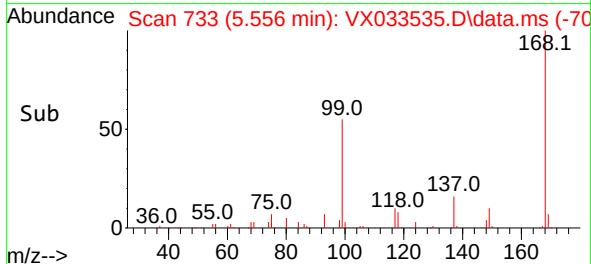


#38  
Carbon Tetrachloride  
Concen: 6.426 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

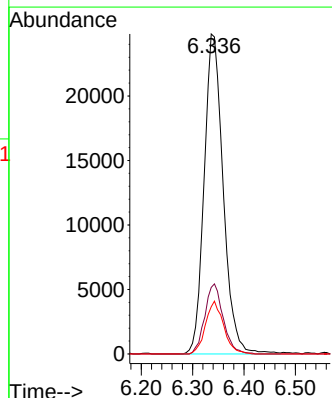
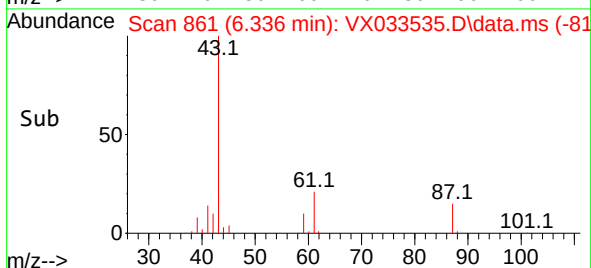
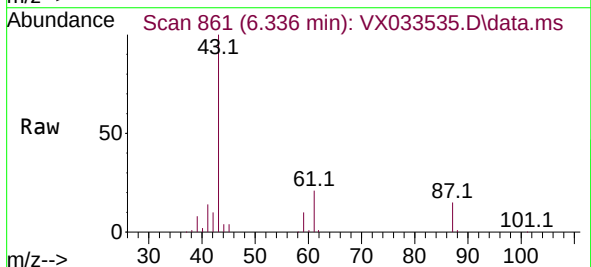


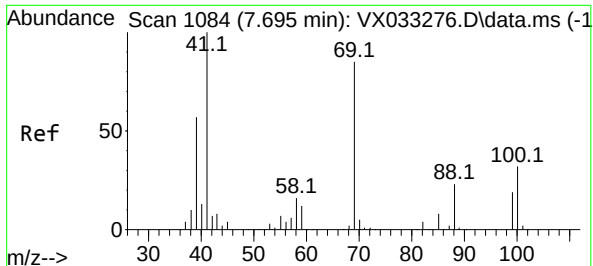
Tgt Ion:117 Resp: 14583  
Ion Ratio Lower Upper  
117 100  
119 3.6 77.2 115.8#  
121 0.0 25.8 38.6#



#43  
Isopropyl Acetate  
Concen: 20.797 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 43 Resp: 64072  
Ion Ratio Lower Upper  
43 100  
61 21.1 15.4 23.0  
87 15.6 10.8 16.2

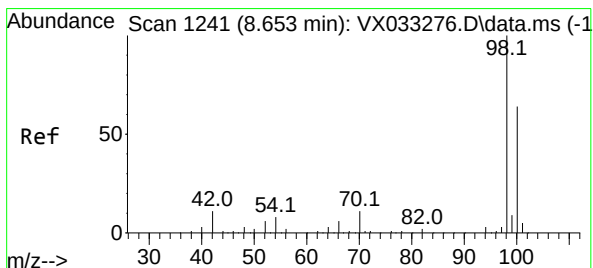
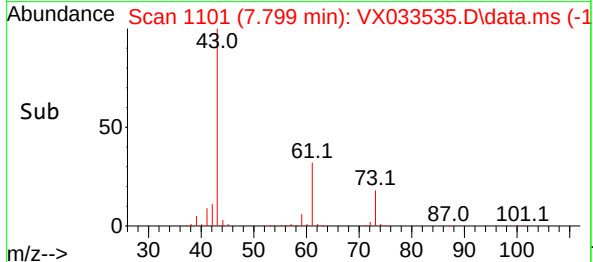
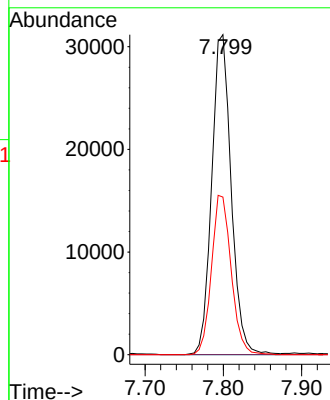
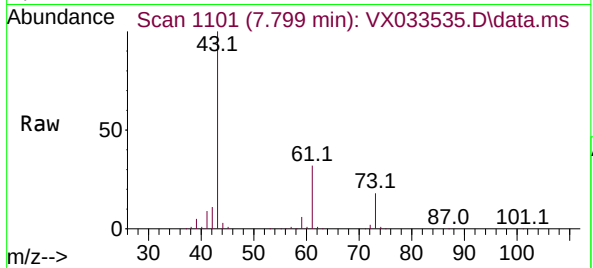




#48  
Methyl methacrylate  
Concen: 33.909 ug/l  
RT: 7.799 min Scan# 1101  
Delta R.T. 0.104 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

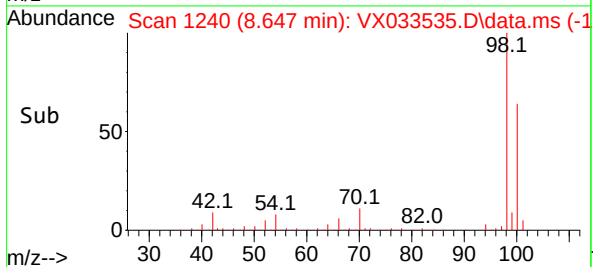
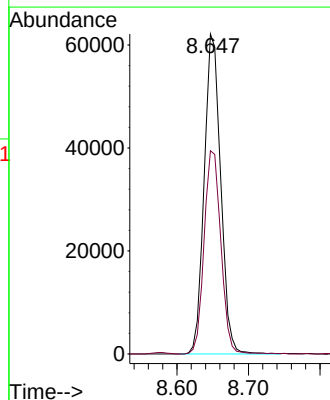
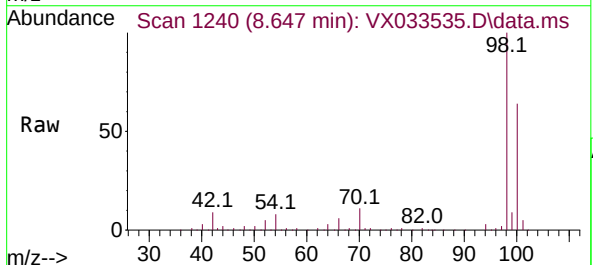
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

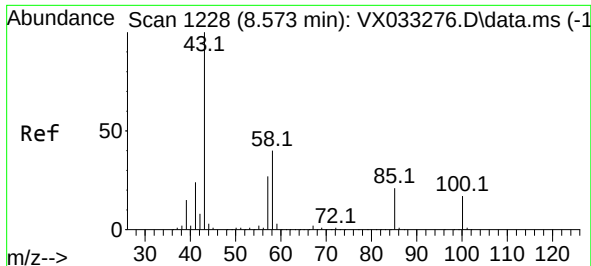
Tgt Ion: 41 Resp: 53916  
Ion Ratio Lower Upper  
41 100  
69 0.0 65.1 97.7#  
39 50.3 51.9 77.9#



#50  
Toluene-d8  
Concen: 45.779 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 98 Resp: 99495  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.9 76.3

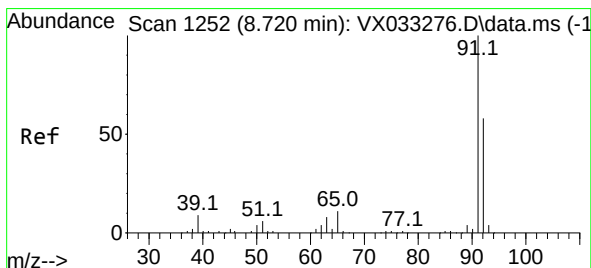
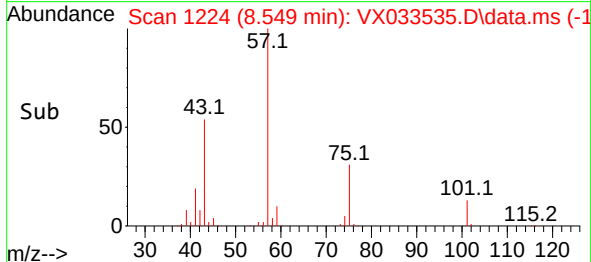
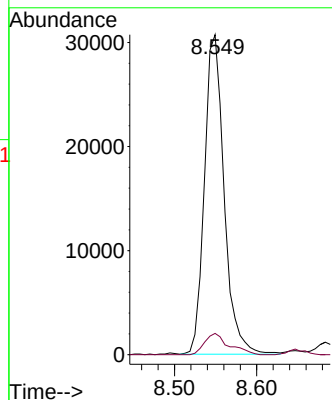
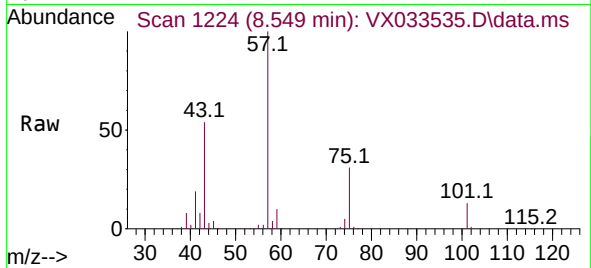




#51  
4-Methyl-2-Pentanone  
Concen: 26.175 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

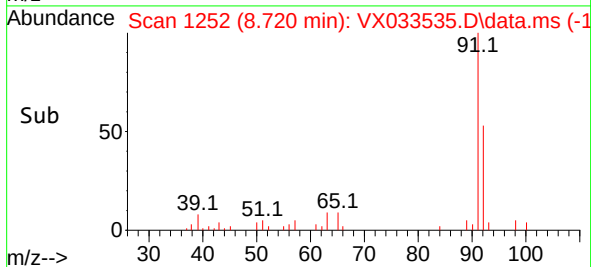
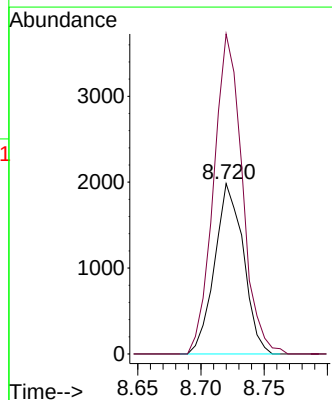
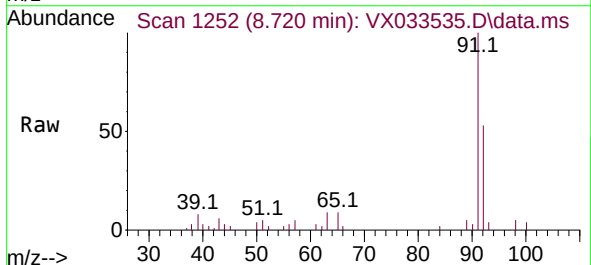
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

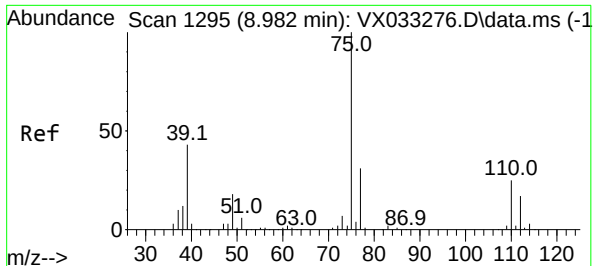
Tgt Ion: 43 Resp: 50995  
Ion Ratio Lower Upper  
43 100  
58 8.2 30.9 46.3#



#52  
Toluene  
Concen: 0.822 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 92 Resp: 3138  
Ion Ratio Lower Upper  
92 100  
91 186.7 138.3 207.5

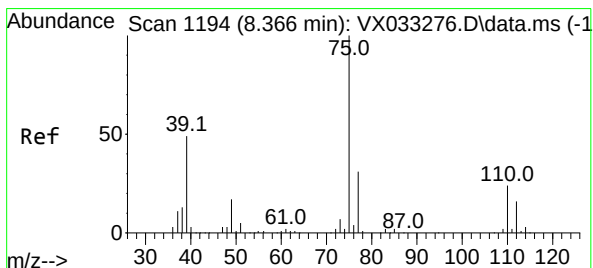
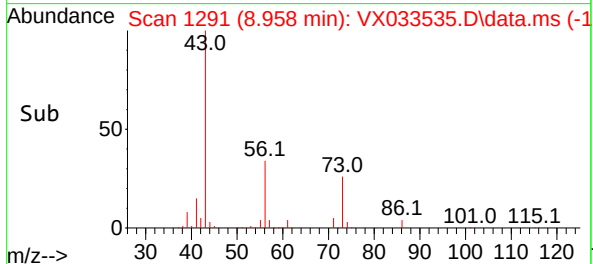
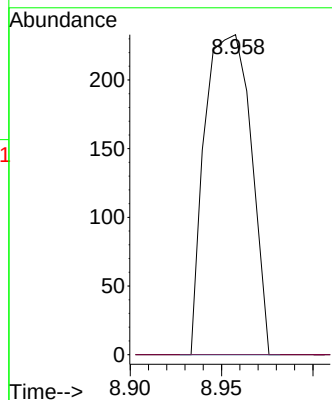
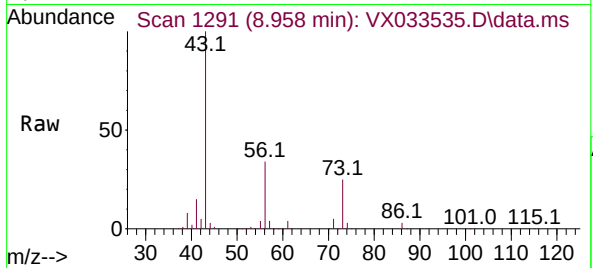




#53  
 t-1,3-Dichloropropene  
 Concen: 2.667 ug/l  
 RT: 8.958 min Scan# 11  
 Delta R.T. -0.024 min  
 Lab File: VX033535.D  
 Acq: 21 Dec 2022 15:28

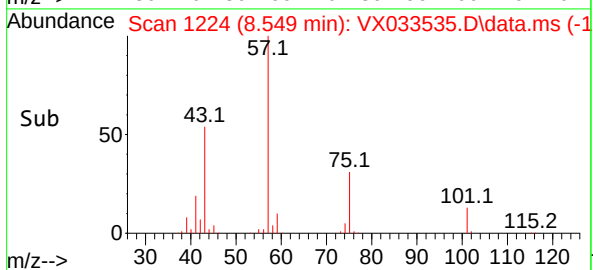
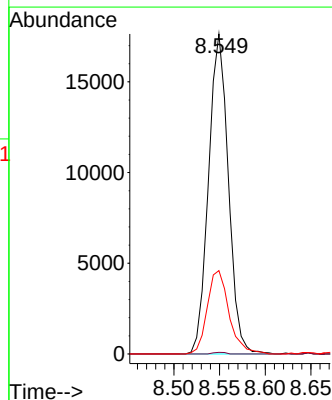
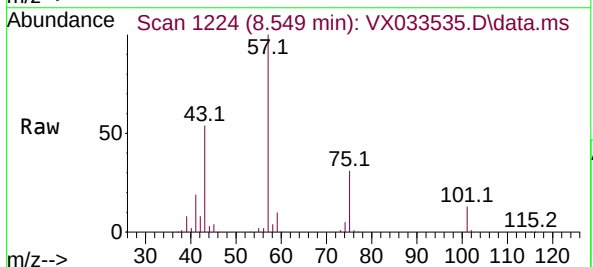
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 N40305

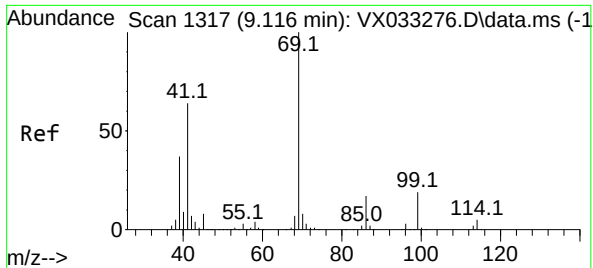
Tgt Ion: 75 Resp: 410  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.1 37.7#



#54  
 cis-1,3-Dichloropropene  
 Concen: 11.123 ug/l  
 RT: 8.549 min Scan# 1224  
 Delta R.T. 0.183 min  
 Lab File: VX033535.D  
 Acq: 21 Dec 2022 15:28

Tgt Ion: 75 Resp: 26546  
 Ion Ratio Lower Upper  
 75 100  
 77 0.5 25.1 37.7#  
 39 26.1 45.5 68.3#

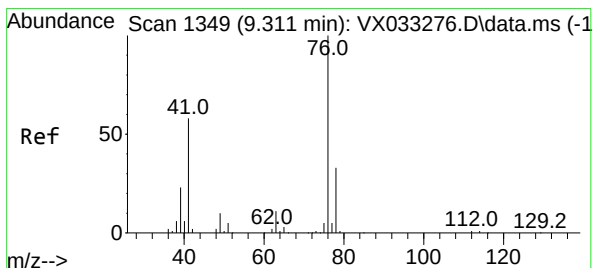
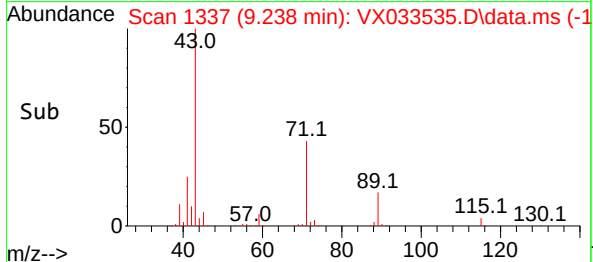
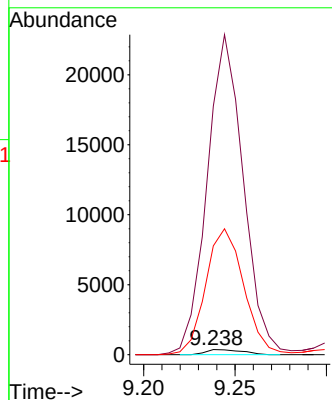
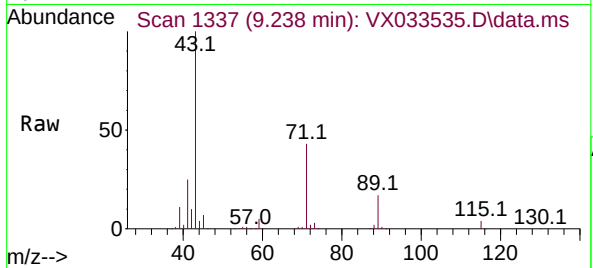




#56  
Ethyl methacrylate  
Concen: 0.224 ug/l  
RT: 9.238 min Scan# 1337  
Delta R.T. 0.122 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

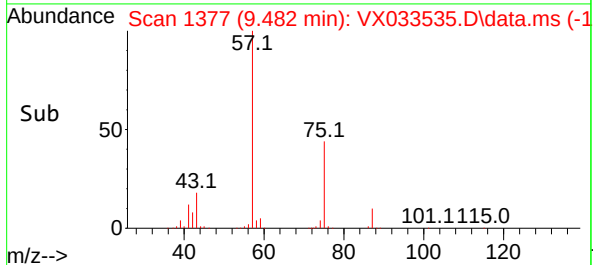
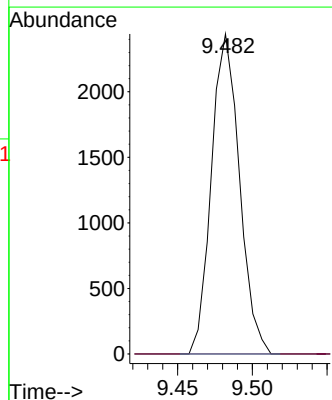
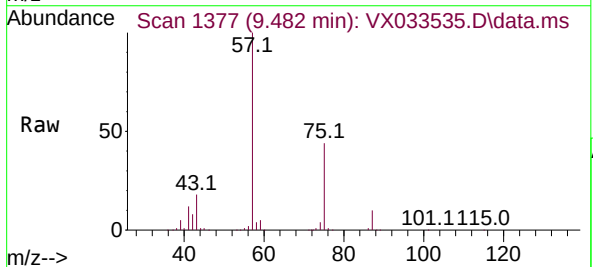
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

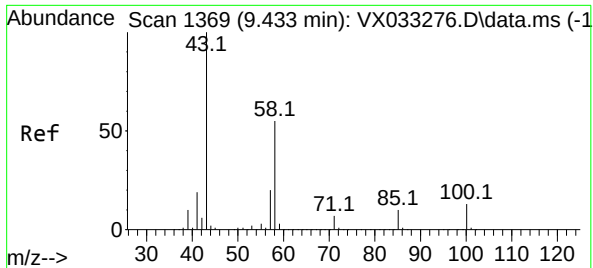
Tgt Ion: 69 Resp: 506  
Ion Ratio Lower Upper  
69 100  
41 6248.0 54.3 81.5#  
39 2589.1 35.2 52.8#



#57  
1,3-Dichloropropane  
Concen: 1.236 ug/l  
RT: 9.482 min Scan# 1377  
Delta R.T. 0.171 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 76 Resp: 3186  
Ion Ratio Lower Upper  
76 100  
78 0.0 26.0 39.0#

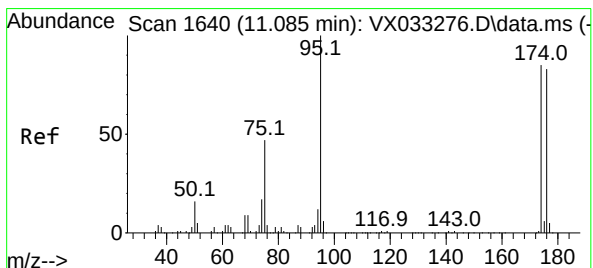
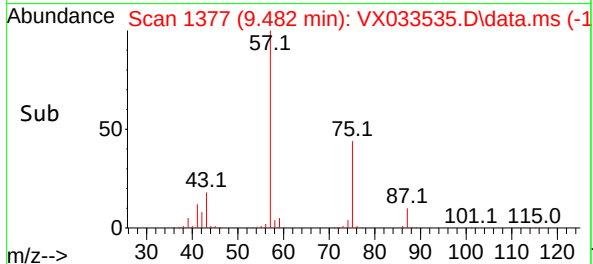
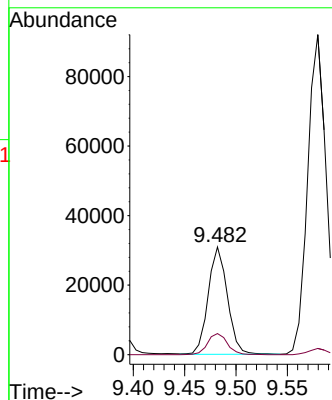
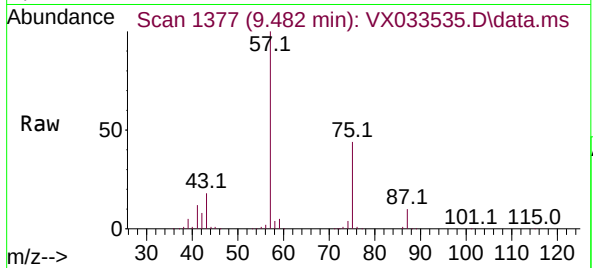




#59  
2-Hexanone  
Concen: 27.999 ug/l  
RT: 9.482 min Scan# 11  
Delta R.T. 0.049 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

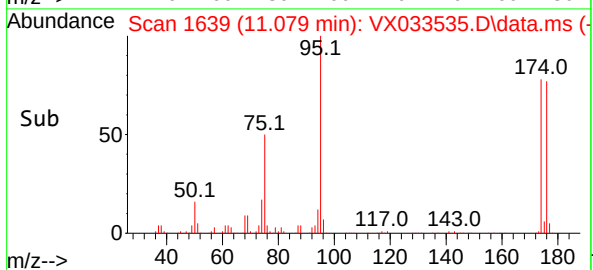
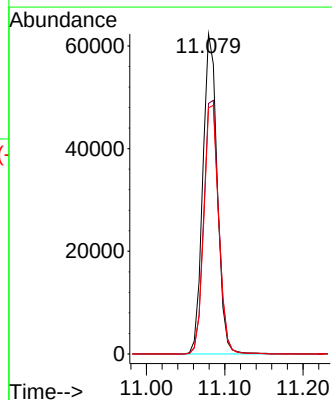
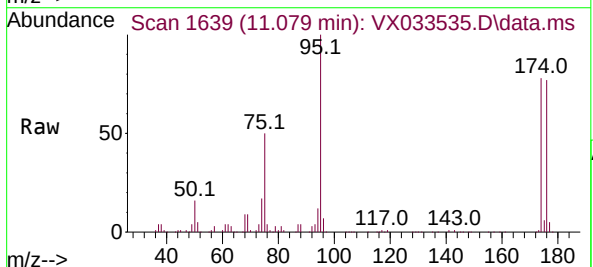
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

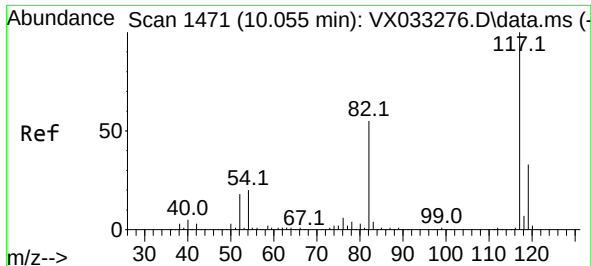
Tgt Ion: 43 Resp: 40200  
Ion Ratio Lower Upper  
43 100  
58 20.4 26.5 79.5#



#62  
4-Bromofluorobenzene  
Concen: 47.954 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion: 95 Resp: 79690  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 164.0  
176 80.1 0.0 154.4

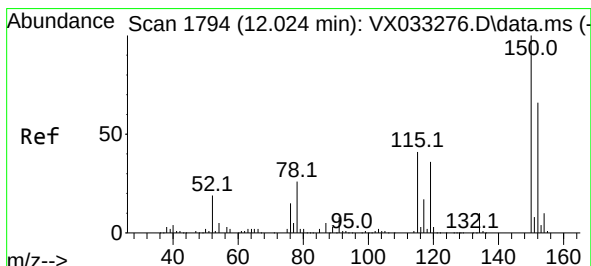
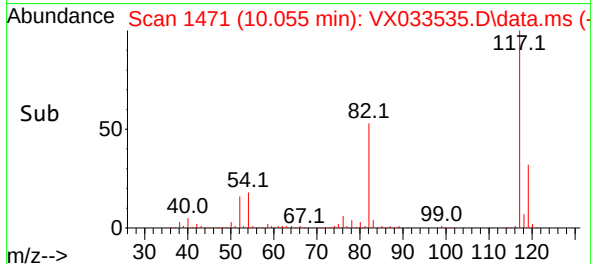
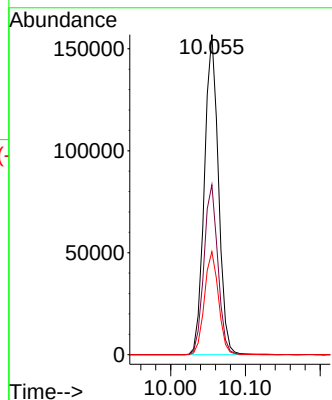
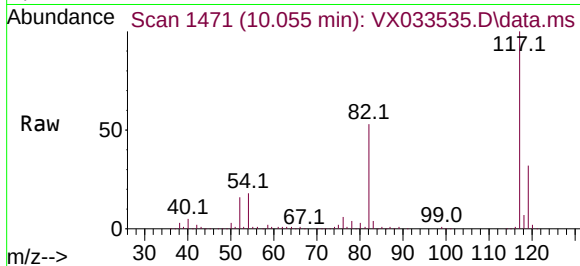




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

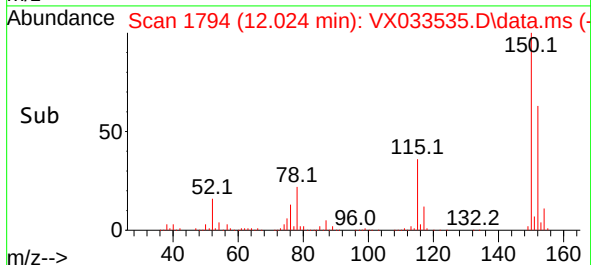
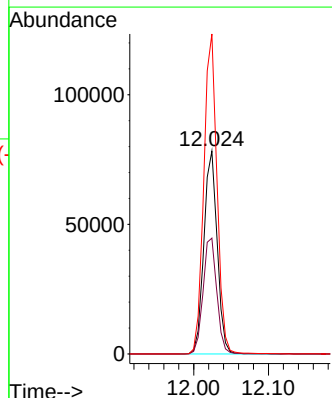
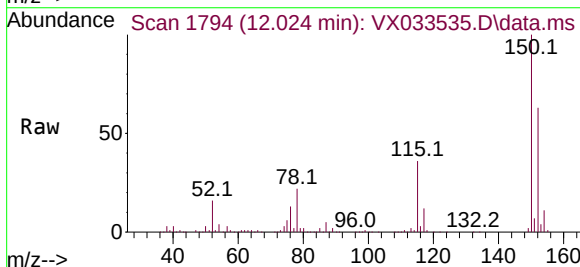
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

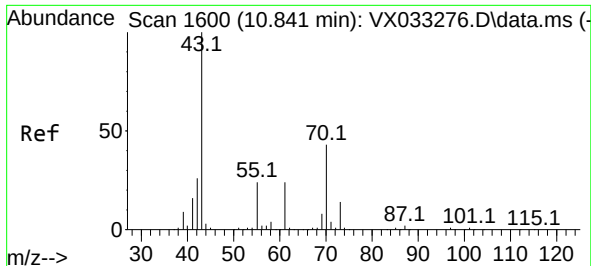
Tgt Ion:117 Resp: 204634  
Ion Ratio Lower Upper  
117 100  
82 53.1 44.3 66.5  
119 32.2 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion:152 Resp: 96861  
Ion Ratio Lower Upper  
152 100  
115 58.7 44.0 132.0  
150 156.5 0.0 351.8

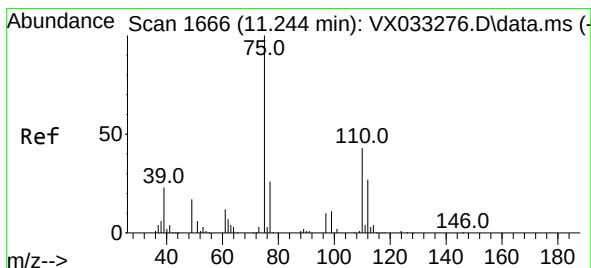
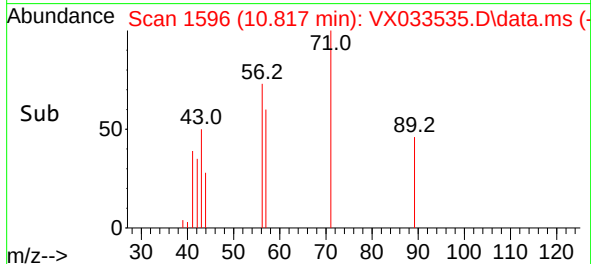
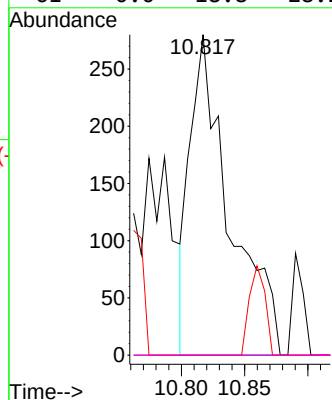
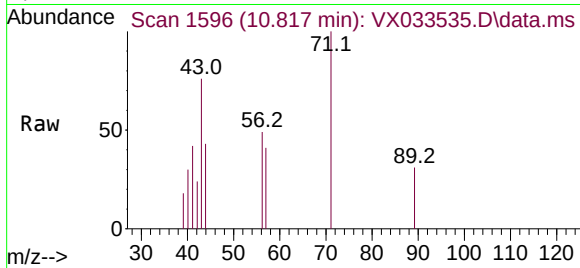




#74  
N-amy1 acetate  
Concen: 0.255 ug/l  
RT: 10.817 min Scan# 1639  
Delta R.T. -0.024 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

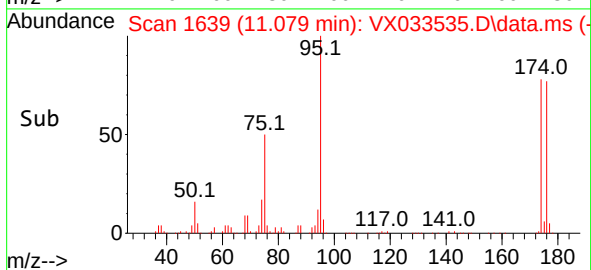
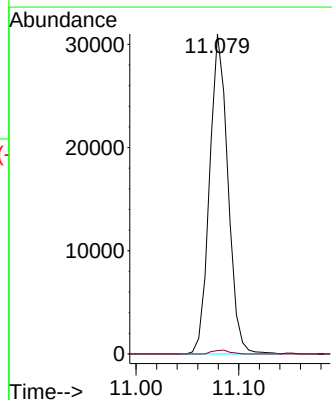
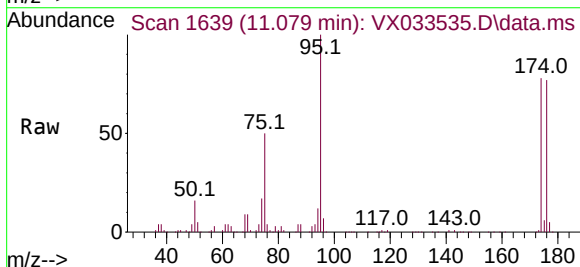
Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 610      |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 70          | 0.0 33.6 50.4# |
| 55          | 0.0 19.4 29.2# |
| 61          | 0.0 18.8 28.2# |

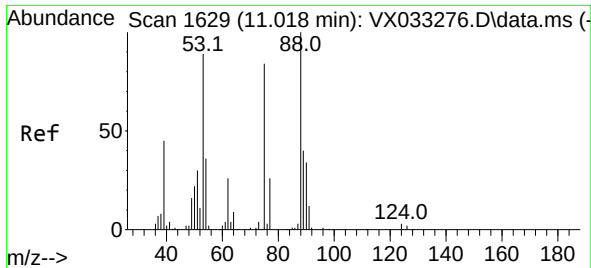


#76  
1,2,3-Trichloropropane  
Concen: 19.502 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 38432    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 77          | 1.1 20.0 60.0# |



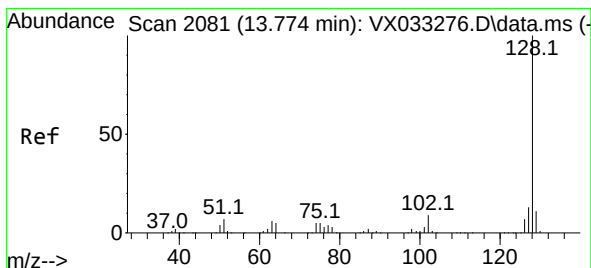
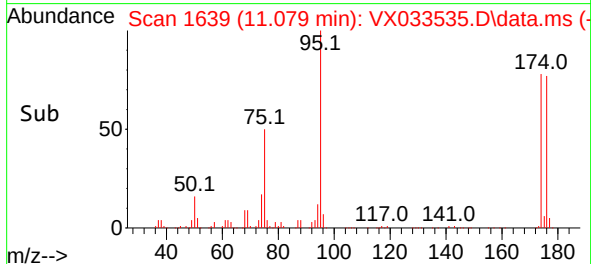
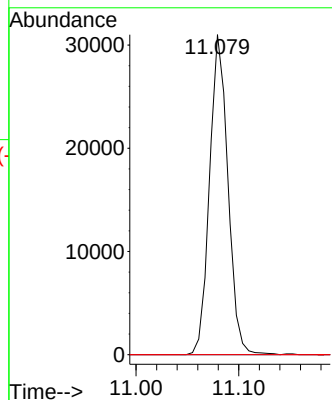
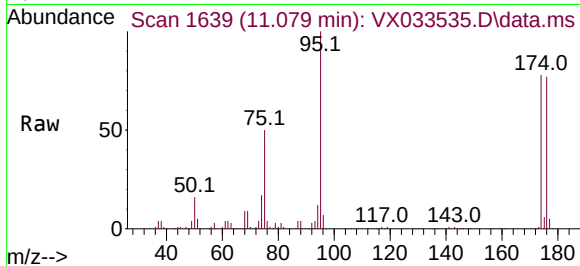




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.665 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
N40305

Tgt Ion: 75 Resp: 38432  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#



#95  
Naphthalene  
Concen: 1.365 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX033535.D  
Acq: 21 Dec 2022 15:28

Tgt Ion:128 Resp: 8832  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.4  
129 10.6 8.9 13.3

