

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112123\  
 Data File : VX038984.D  
 Acq On : 21 Nov 2023 15:04  
 Operator : JC/MD  
 Sample : 05405-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB05-20231113

Quant Time: Nov 22 03:20:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

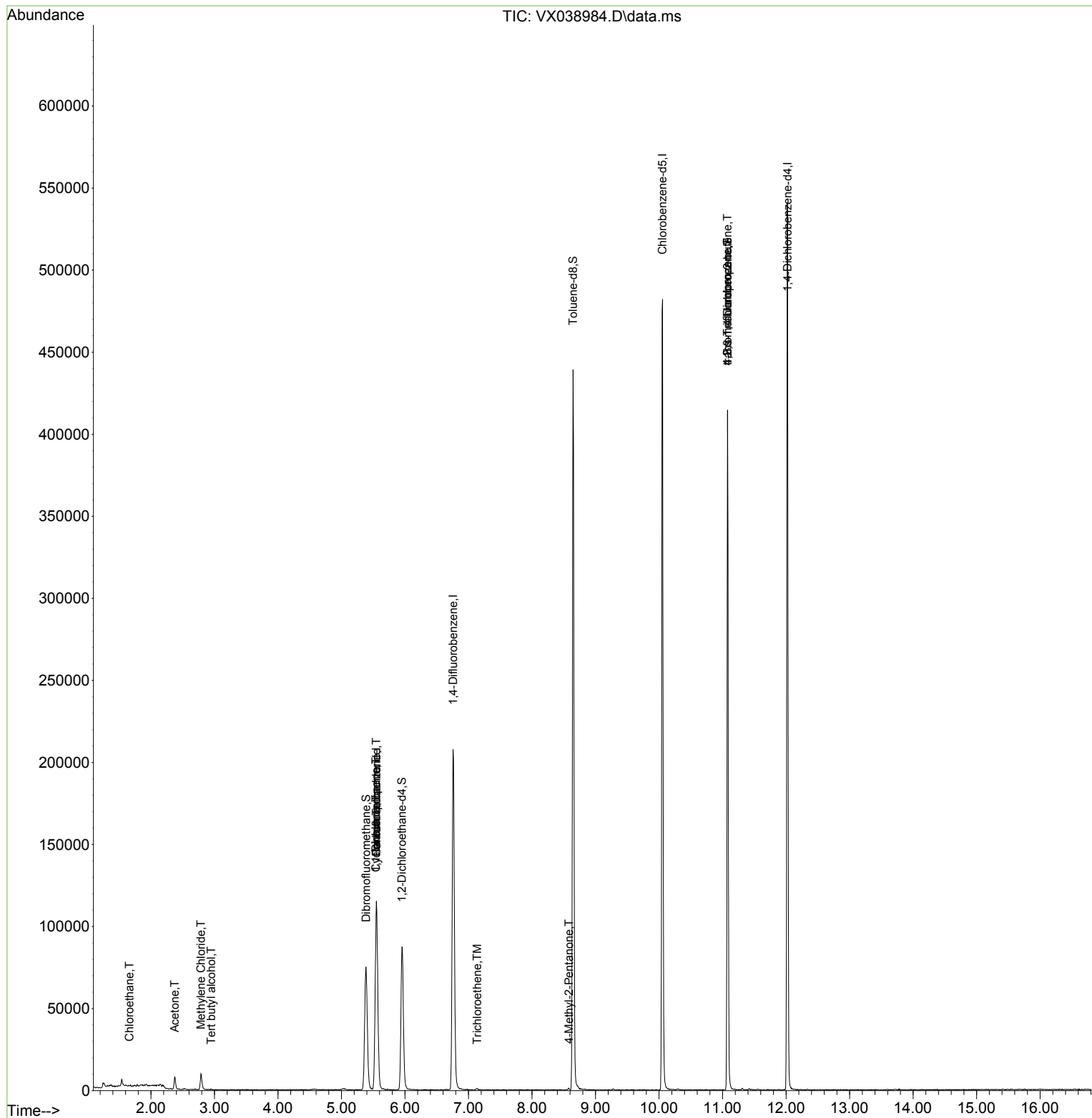
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 99444    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 204936   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 214411   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 108620   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 83846    | 52.326   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 104.660% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 66861    | 45.173   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 90.340%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 264171   | 46.649   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 93.300%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 113828   | 50.213   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.420% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 6) Chloroethane               | 1.660  | 64    | 413      | 0.496    | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 237      | 0.532    | ug/l #     | 78       |
| 16) Acetone                   | 2.374  | 43    | 8340     | 9.777    | ug/l       | 97       |
| 20) Methylene Chloride        | 2.788  | 84    | 4148     | 2.698    | ug/l       | 93       |
| 31) Cyclohexane               | 5.544  | 56    | 2967     | 1.297    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 9413     | 4.437    | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 11615    | 5.924    | ug/l #     | 15       |
| 44) Trichloroethene           | 7.135  | 130   | 383      | 0.251    | ug/l       | 55       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43    | 763      | 0.270    | ug/l #     | 84       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 61607    | 22.733   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 61607    | 50.424   | ug/l #     | 5        |
| -----                         |        |       |          |          |            |          |

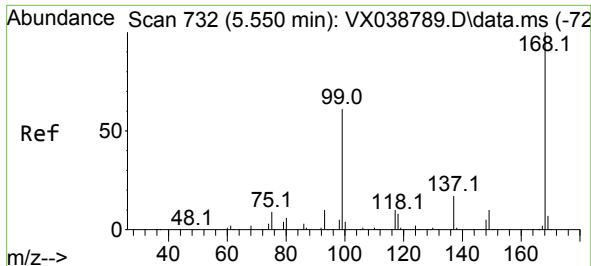
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
TB05-20231113

Quant Time: Nov 22 03:20:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

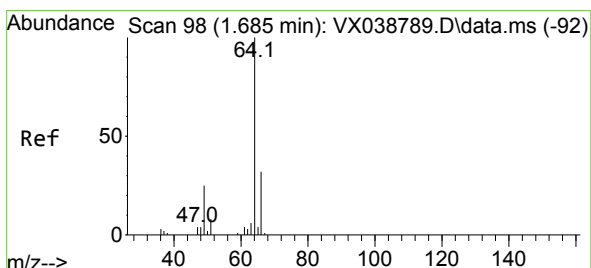
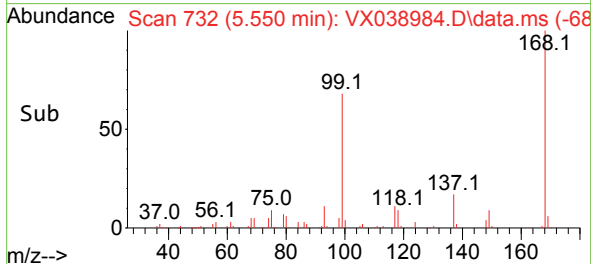
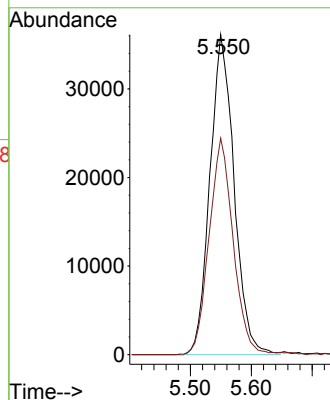
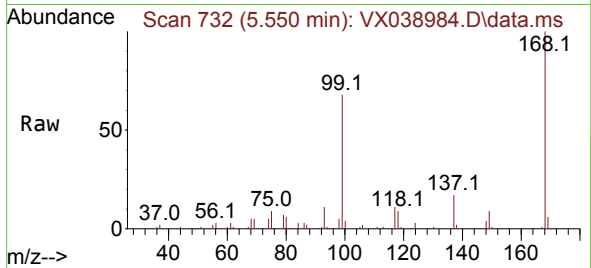




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

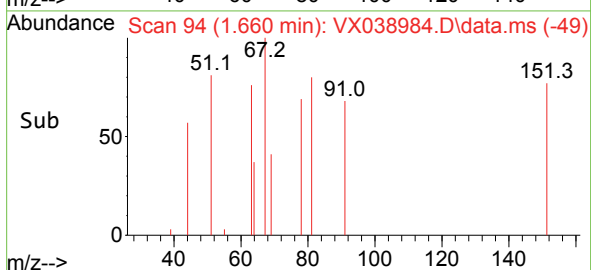
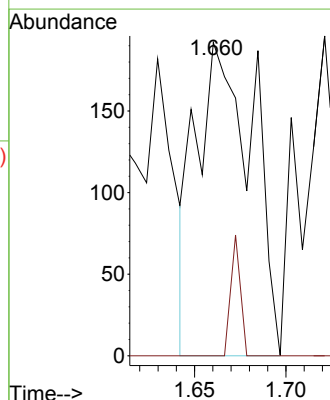
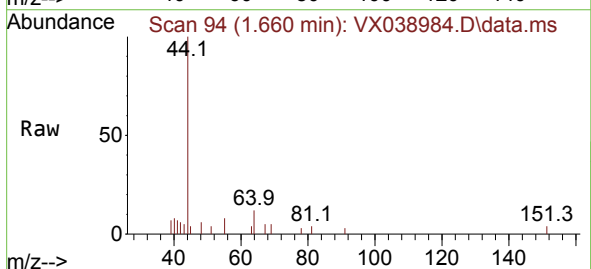
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20231113

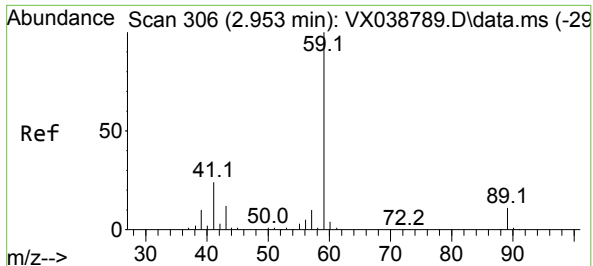
Tgt Ion:168 Resp: 99444  
Ion Ratio Lower Upper  
168 100  
99 67.5 56.6 85.0



#6  
Chloroethane  
Concen: 0.496 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.025 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

Tgt Ion: 64 Resp: 413  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.532 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX038984.D

Acq: 21 Nov 2023 15:04

Instrument :

MSVOA\_X

ClientSampleId :

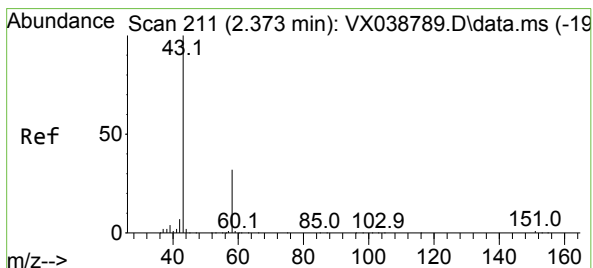
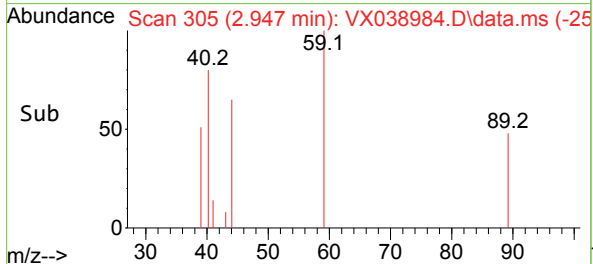
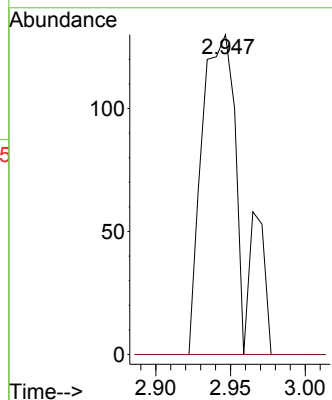
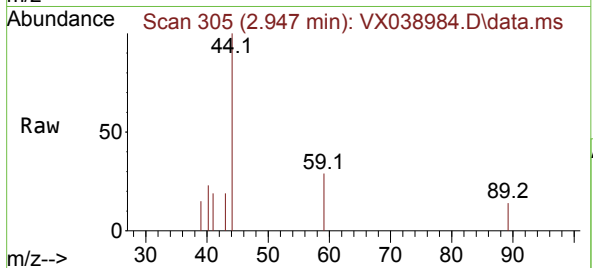
TB05-20231113

Tgt Ion: 59 Resp: 237

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 9.777 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX038984.D

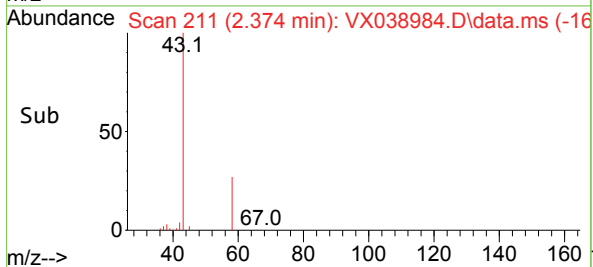
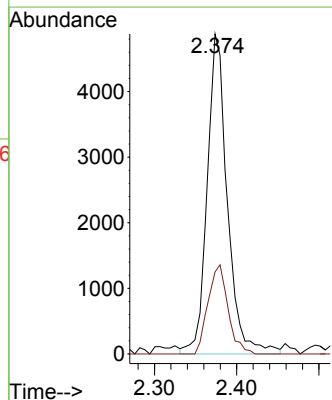
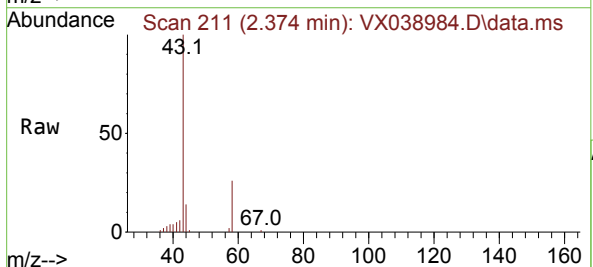
Acq: 21 Nov 2023 15:04

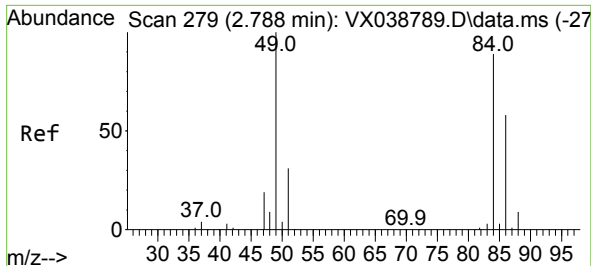
Tgt Ion: 43 Resp: 8340

Ion Ratio Lower Upper

43 100

58 26.0 21.9 32.9

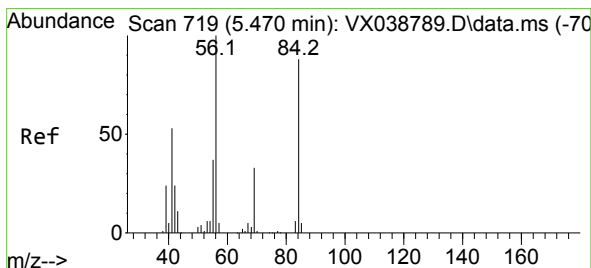
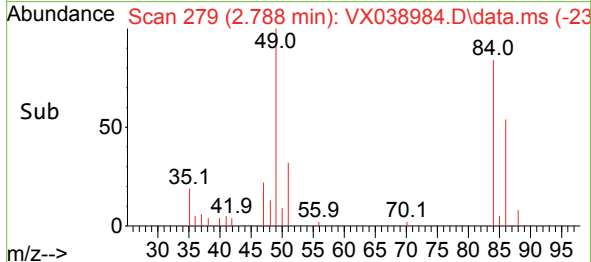
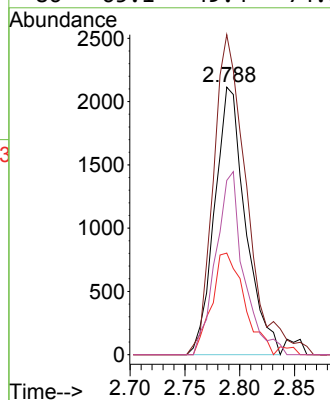
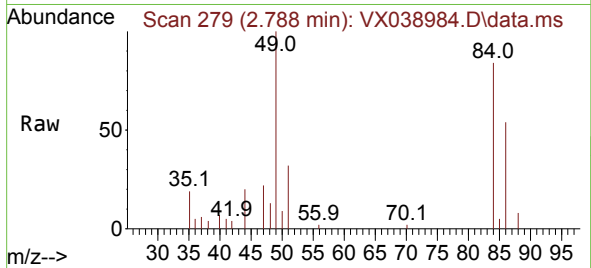




#20  
Methylene Chloride  
Concen: 2.698 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

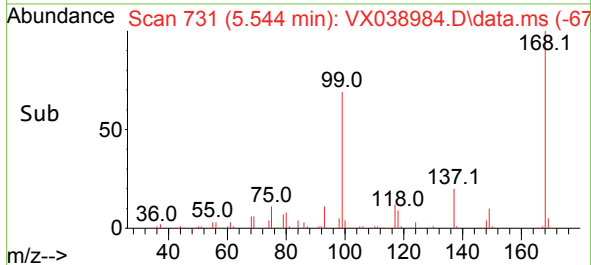
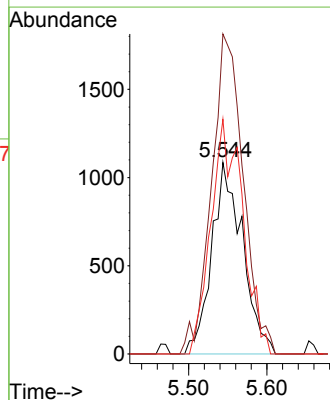
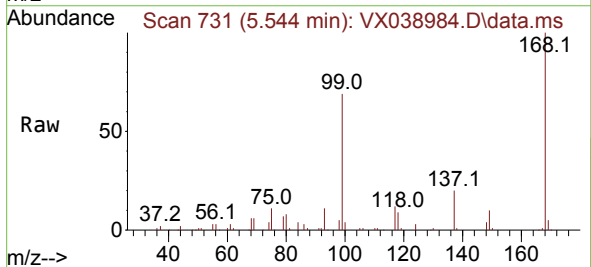
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20231113

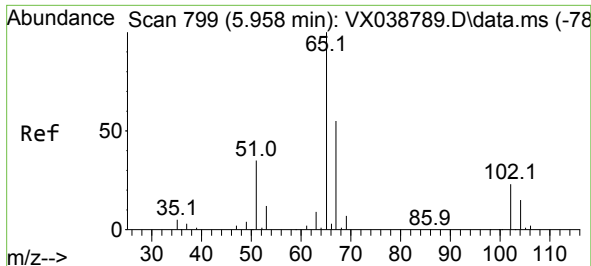
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 4148  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 119.6    | 103.6 155.4 |
| 51 38.0     | 33.8 50.6   |
| 86 65.1     | 49.4 74.0   |



#31  
Cyclohexane  
Concen: 1.297 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 2967  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 167.0    | 23.4 35.2#  |
| 84 122.6    | 65.9 98.9#  |





#33

1,2-Dichloroethane-d4

Concen: 52.326 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038984.D

Acq: 21 Nov 2023 15:04

Instrument :

MSVOA\_X

ClientSampleId :

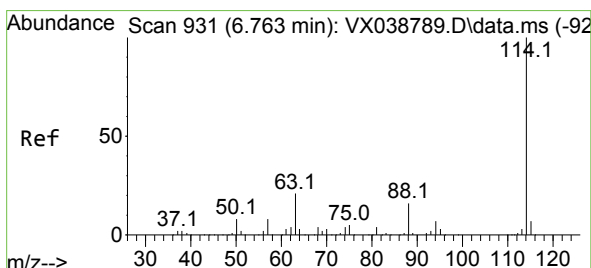
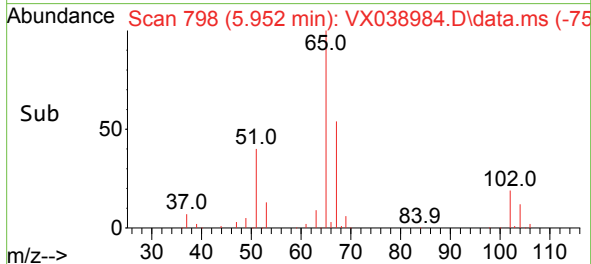
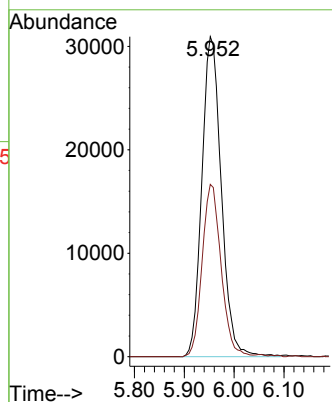
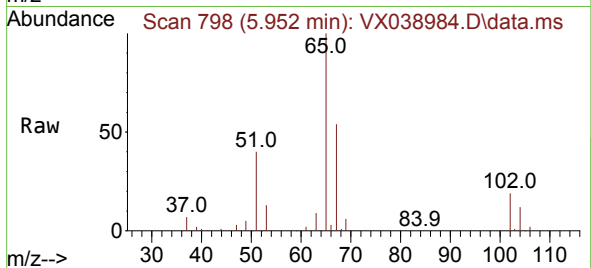
TB05-20231113

Tgt Ion: 65 Resp: 83846

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX038984.D

Acq: 21 Nov 2023 15:04

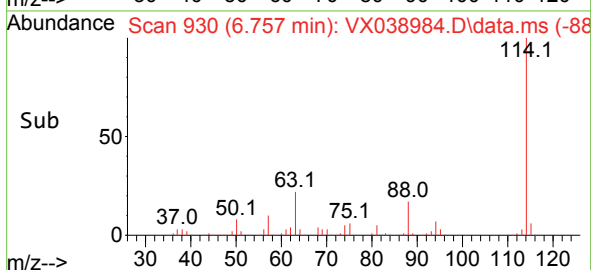
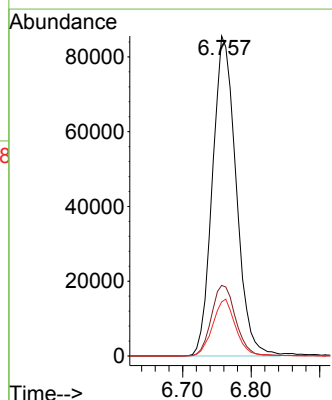
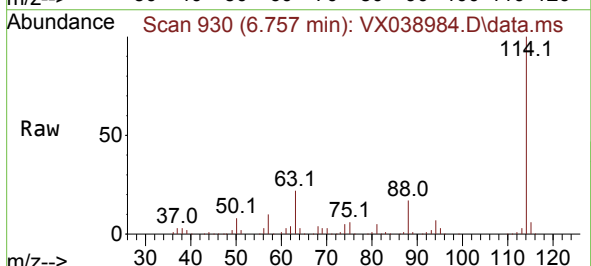
Tgt Ion: 114 Resp: 204936

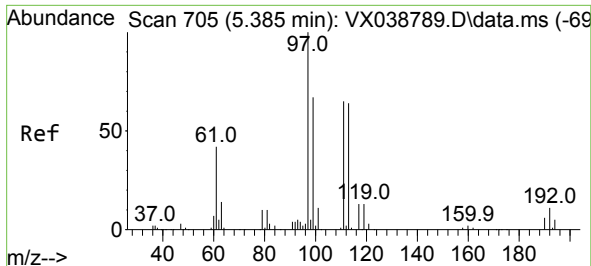
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

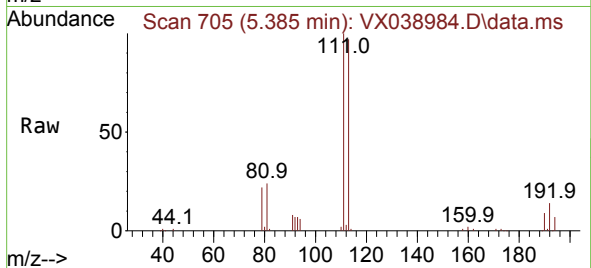
88 16.9 0.0 36.6



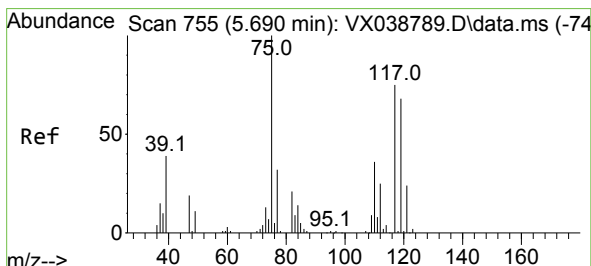
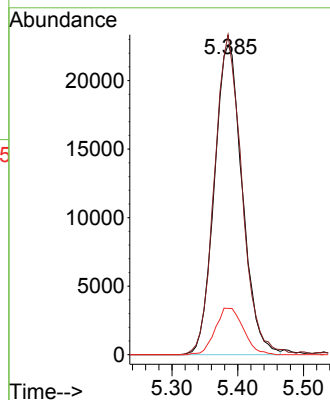
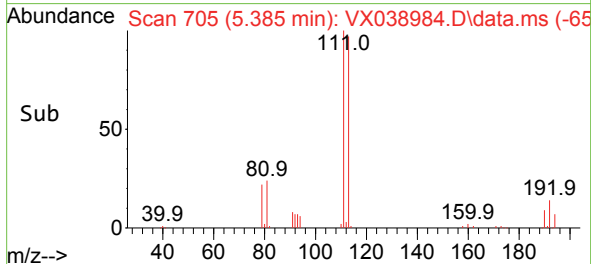


#35  
Dibromofluoromethane  
Concen: 45.173 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20231113

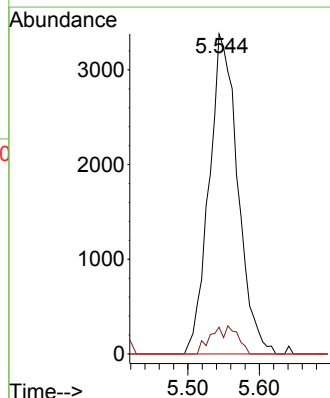
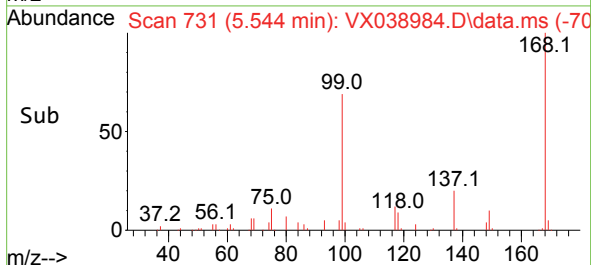
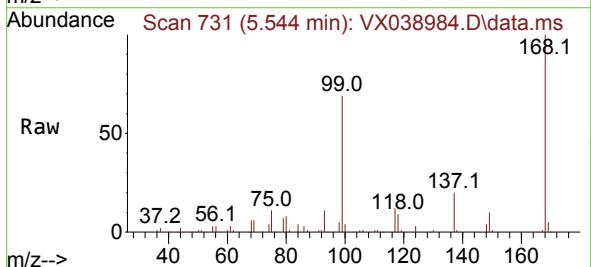


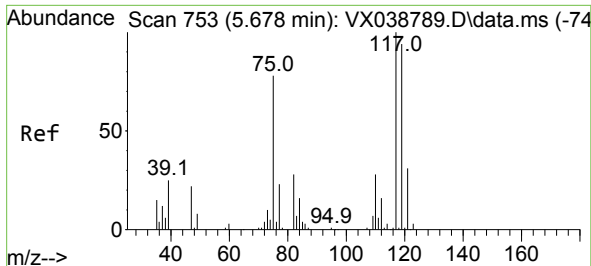
Tgt Ion:113 Resp: 66861  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.9 124.3  
192 15.1 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.437 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

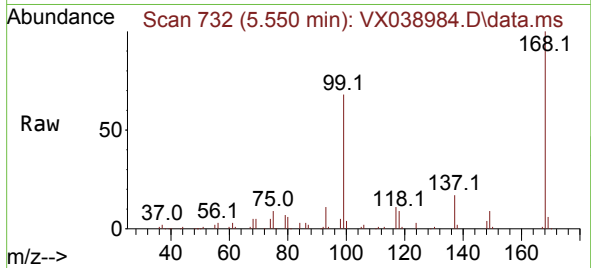
Tgt Ion: 75 Resp: 9413  
Ion Ratio Lower Upper  
75 100  
110 4.3 17.0 50.9#  
77 0.0 24.7 37.1#



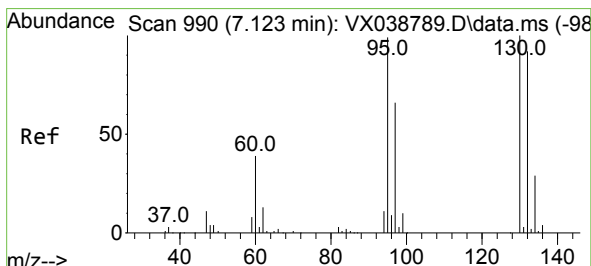
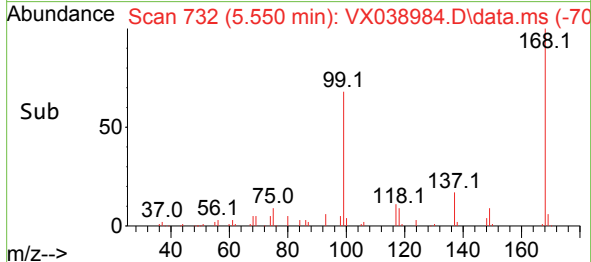
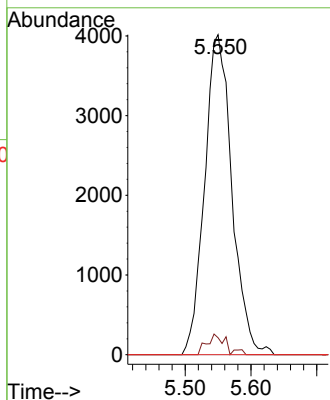


#38  
Carbon Tetrachloride  
Concen: 5.924 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

Instrument :  
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ClientSampleId :  
TB05-20231113

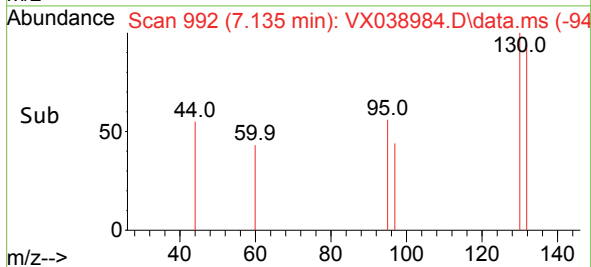
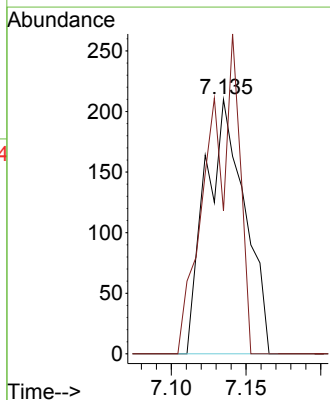
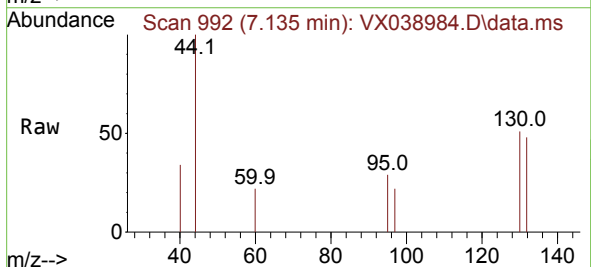


Tgt Ion:117 Resp: 11615  
Ion Ratio Lower Upper  
117 100  
119 5.3 78.2 117.2#  
121 0.0 24.4 36.6#

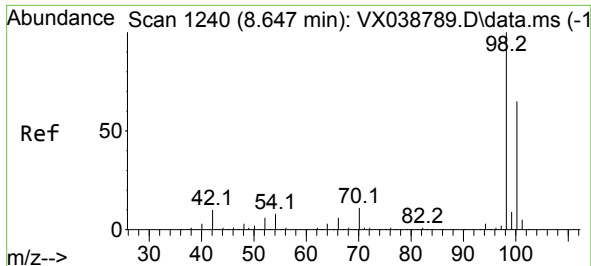


#44  
Trichloroethene  
Concen: 0.251 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

Tgt Ion:130 Resp: 383  
Ion Ratio Lower Upper  
130 100  
95 56.2 0.0 204.4



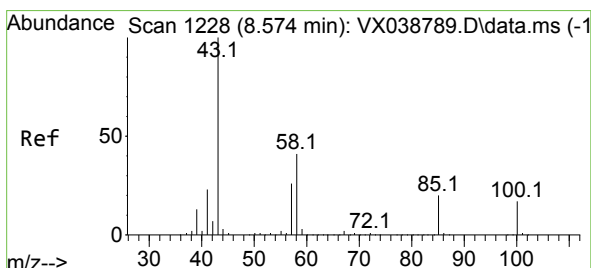
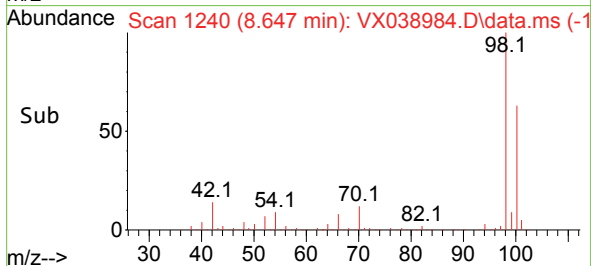
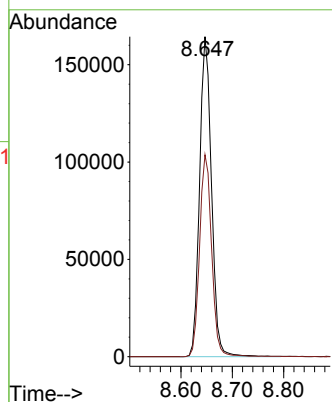
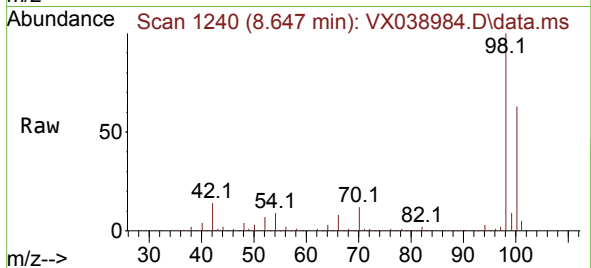




#50  
Toluene-d8  
Concen: 46.649 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

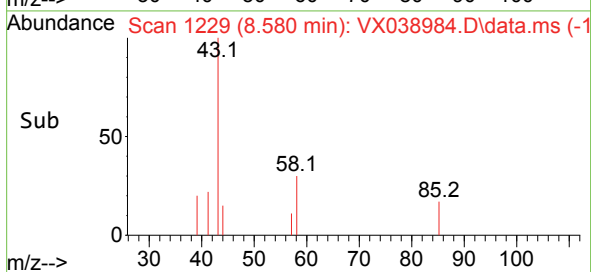
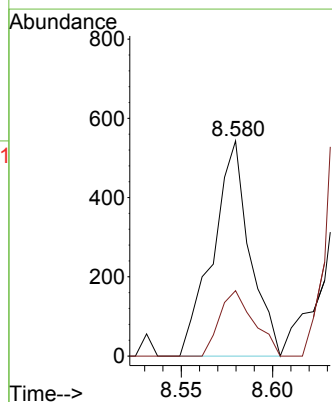
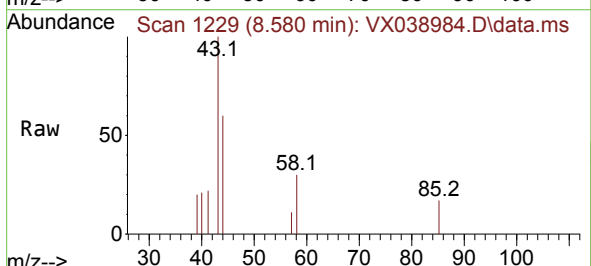
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20231113

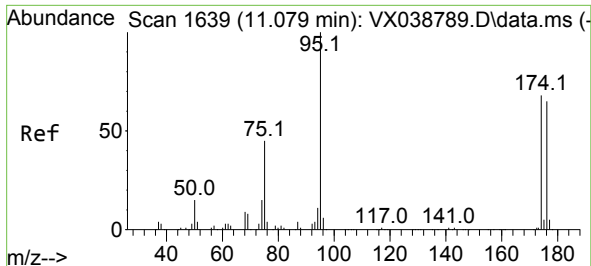
Tgt Ion: 98 Resp: 264171  
Ion Ratio Lower Upper  
98 100  
100 64.0 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.270 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

Tgt Ion: 43 Resp: 763  
Ion Ratio Lower Upper  
43 100  
58 28.3 30.4 45.6#

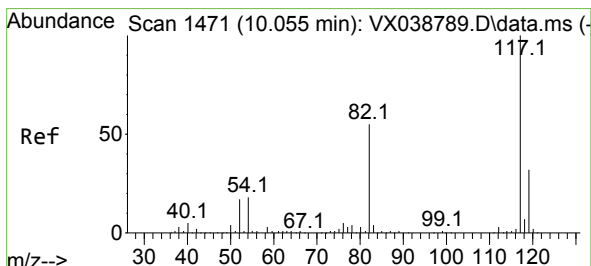
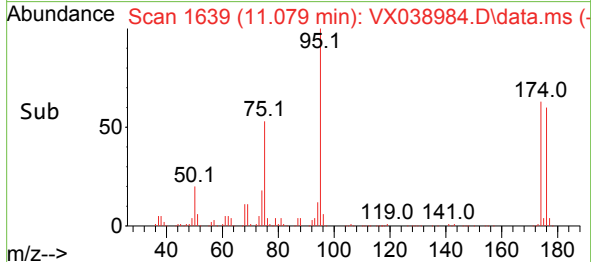
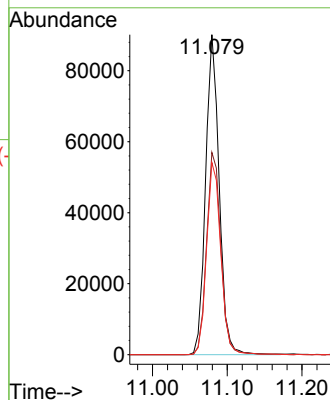
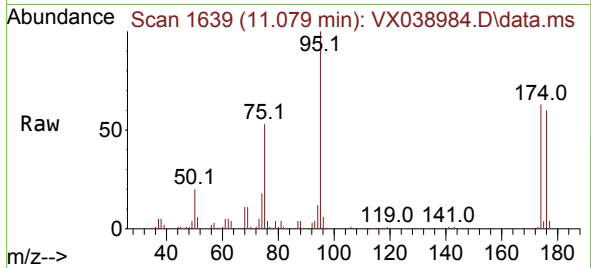




#62  
4-Bromofluorobenzene  
Concen: 50.213 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

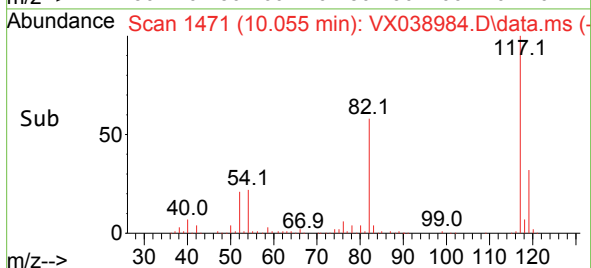
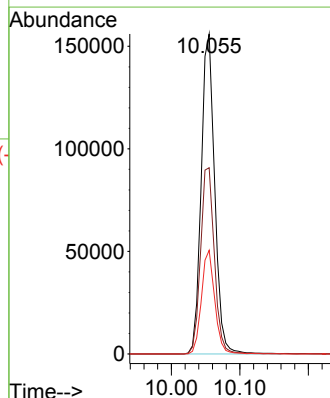
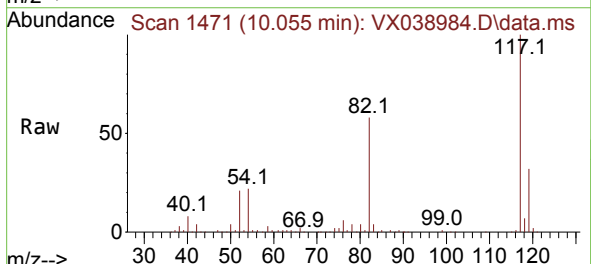
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20231113

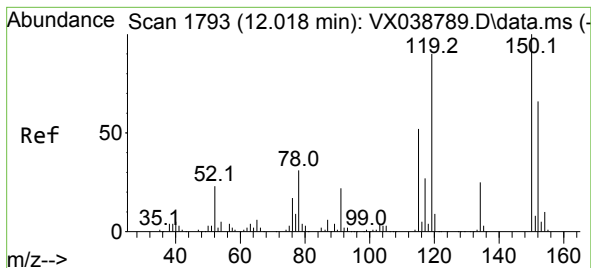
Tgt Ion: 95 Resp: 113828  
Ion Ratio Lower Upper  
95 100  
174 66.3 0.0 135.6  
176 63.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038984.D  
Acq: 21 Nov 2023 15:04

Tgt Ion: 117 Resp: 214411  
Ion Ratio Lower Upper  
117 100  
82 58.2 46.2 69.4  
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038984.D

Acq: 21 Nov 2023 15:04

Instrument :

MSVOA\_X

ClientSampleId :

TB05-20231113

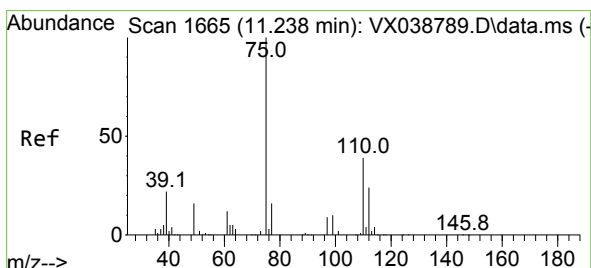
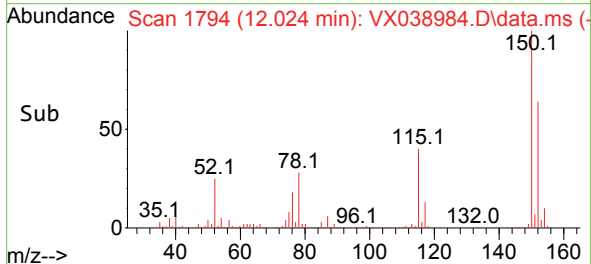
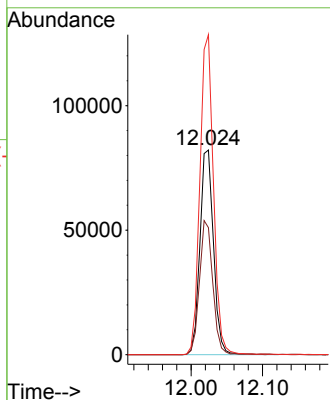
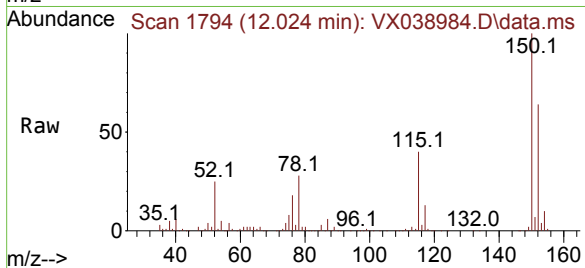
Tgt Ion:152 Resp: 108620

Ion Ratio Lower Upper

152 100

115 64.2 43.3 129.9

150 155.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.733 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038984.D

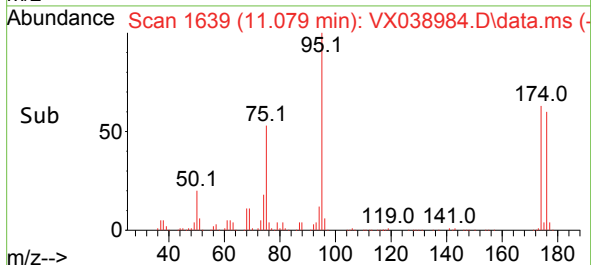
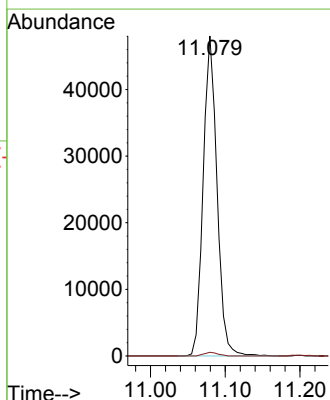
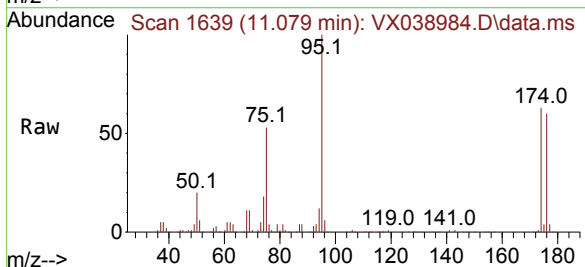
Acq: 21 Nov 2023 15:04

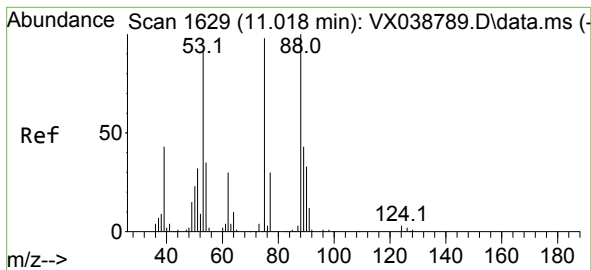
Tgt Ion: 75 Resp: 61607

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 50.424 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX038984.D  
 Acq: 21 Nov 2023 15:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB05-20231113

Tgt Ion: 75 Resp: 61607  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

