

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022824\  
 Data File : VX040515.D  
 Acq On : 28 Feb 2024 16:49  
 Operator : JC/MD  
 Sample : P1615-14 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20240227

Quant Time: Feb 29 03:52:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 27 05:01:33 2024  
 Response via : Initial Calibration

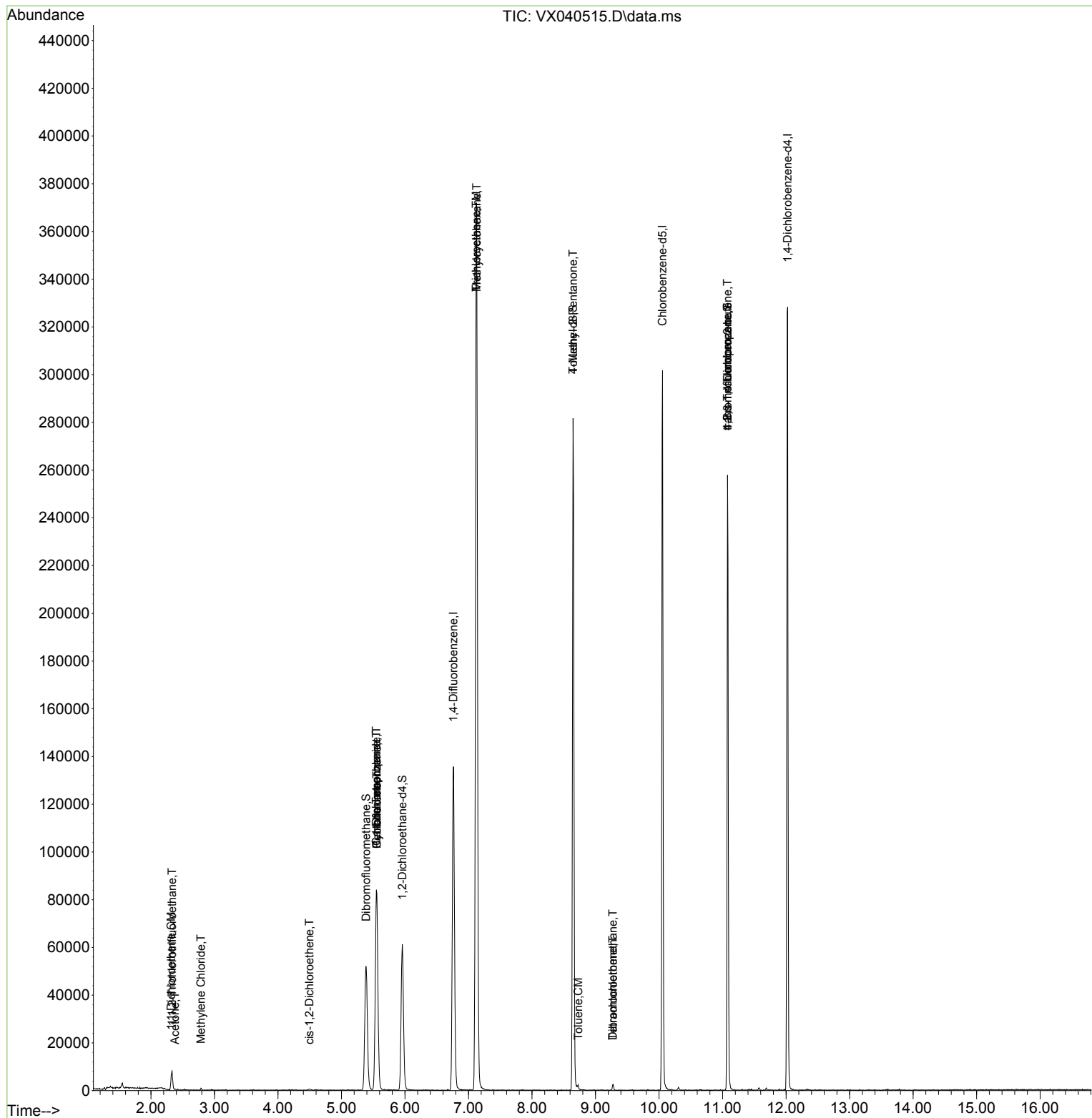
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 73754               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 129349              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 126459              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 64320               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 62499               | 50.665  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 101.320% |         |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 44880               | 49.895  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.800%  |         |        |          |
| 50) Toluene-d8                | 8.646          | 98   | 160011              | 49.008  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 98.020%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 64021               | 51.439  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 102.880% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.330          | 101  | 2410                | 2.879   | ug/l   | 97       |
| 12) 1,1-Dichloroethene        | 2.318          | 96   | 790                 | 0.940   | ug/l   | 91       |
| 16) Acetone                   | 2.379          | 43   | 335                 | 0.833   | ug/l # | 47       |
| 20) Methylene Chloride        | 2.788          | 84   | 203                 | 0.211   | ug/l # | 65       |
| 27) cis-1,2-Dichloroethene    | 4.495          | 96   | 344                 | 0.328   | ug/l   | 70       |
| 31) Cyclohexane               | 5.556          | 56   | 2077                | 1.486   | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 5.549          | 75   | 7155                | 5.163   | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 5.549          | 117  | 8365                | 6.248   | ug/l # | 13       |
| 39) Methylcyclohexane         | 7.128          | 83   | 1957                | 1.308   | ug/l # | 1        |
| 44) Trichloroethene           | 7.122          | 130  | 135888              | 134.669 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.646          | 43   | 843                 | 0.536   | ug/l # | 1        |
| 52) Toluene                   | 8.726          | 92   | 543                 | 0.236   | ug/l   | 90       |
| 60) Dibromochloromethane      | 9.274          | 129  | 488                 | 0.470   | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.274          | 164  | 338                 | 0.381   | ug/l # | 61       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 37790               | 26.696  | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 37790               | 77.539  | ug/l # | 5        |
| -----                         |                |      |                     |         |        |          |

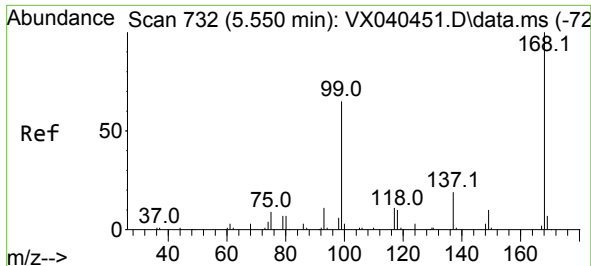
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 27 05:01:33 2024  
Response via : Initial Calibration

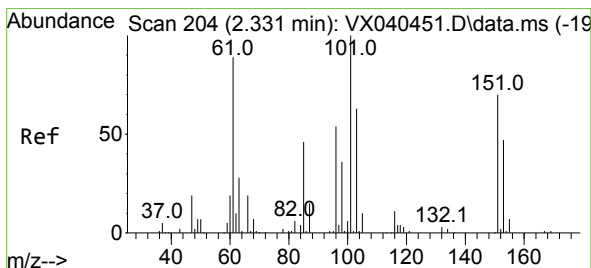
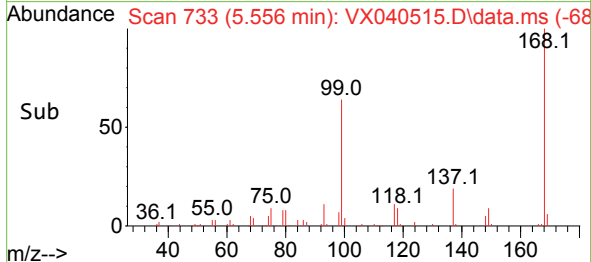
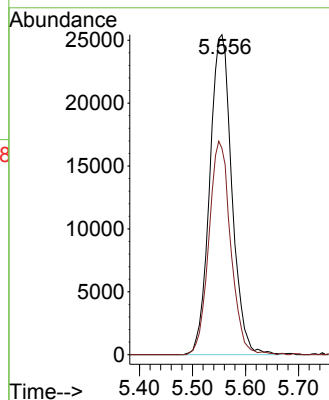
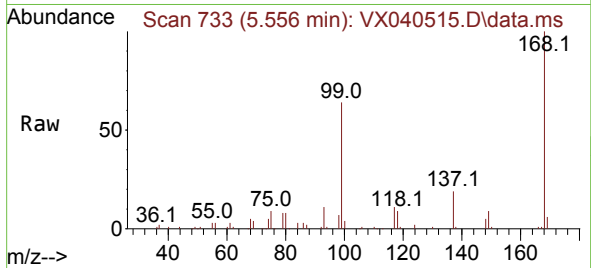




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 732  
Delta R.T. 0.006 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

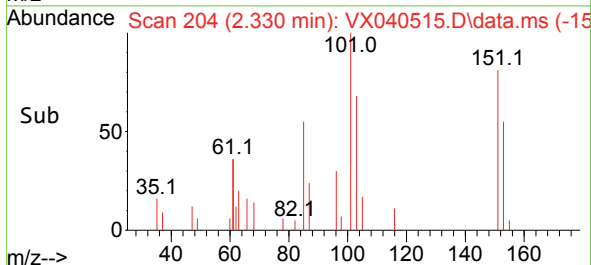
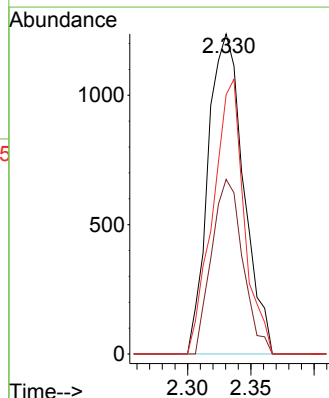
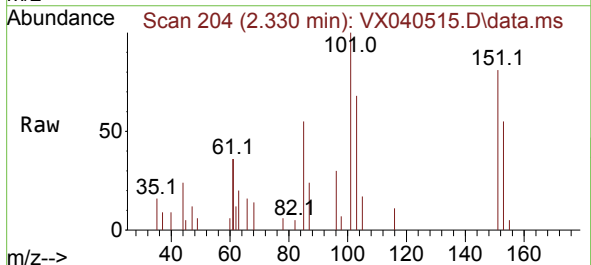
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

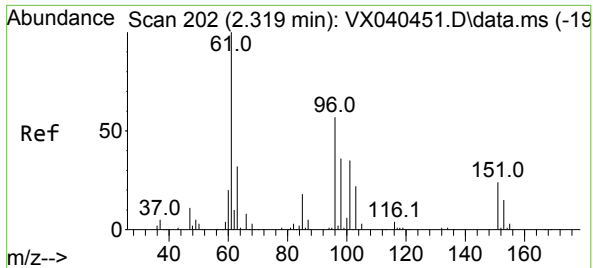
Tgt Ion:168 Resp: 73754  
Ion Ratio Lower Upper  
168 100  
99 64.4 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.879 ug/l  
RT: 2.330 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion:101 Resp: 2410  
Ion Ratio Lower Upper  
101 100  
85 48.1 37.0 55.6  
151 75.6 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.940 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX040515.D

Acq: 28 Feb 2024 16:49

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20240227

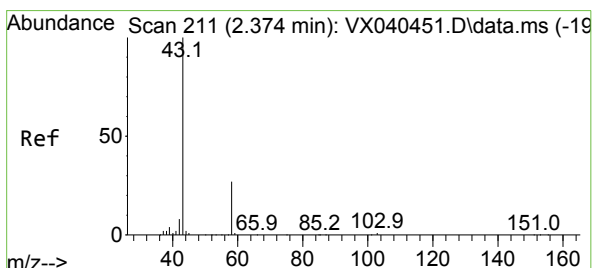
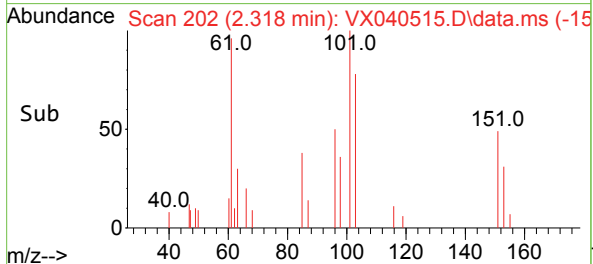
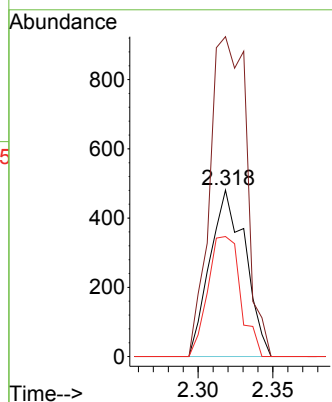
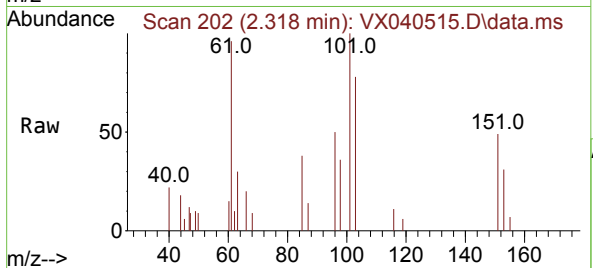
Tgt Ion: 96 Resp: 790

Ion Ratio Lower Upper

96 100

61 192.1 144.6 216.8

98 72.1 50.4 75.6



#16

Acetone

Concen: 0.833 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040515.D

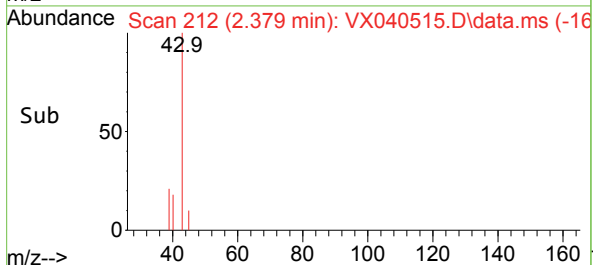
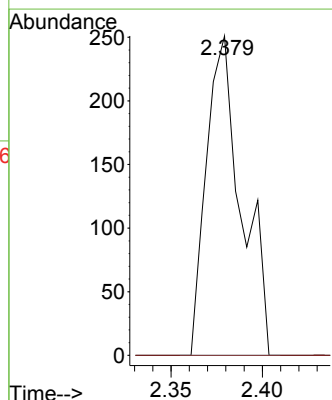
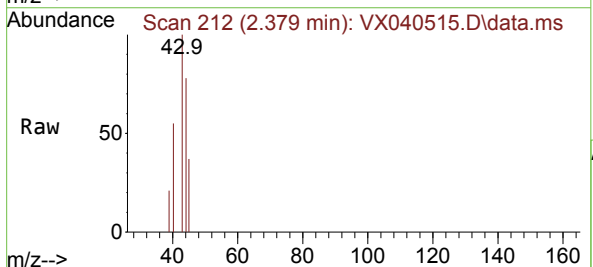
Acq: 28 Feb 2024 16:49

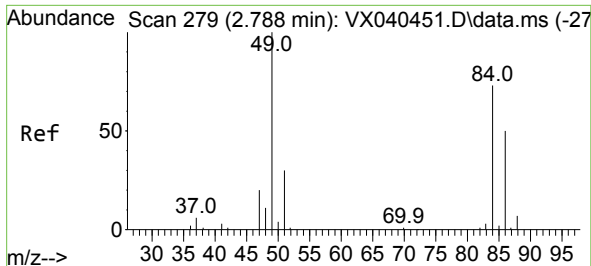
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

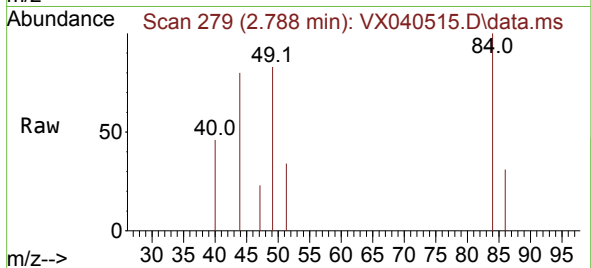
58 0.0 21.9 32.9#



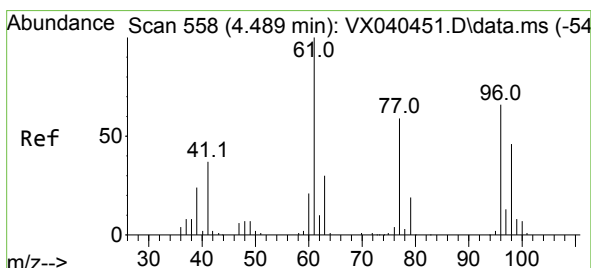
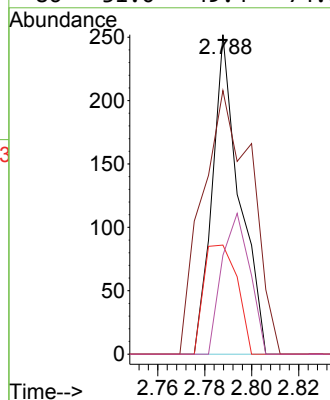


#20  
Methylene Chloride  
Concen: 0.211 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

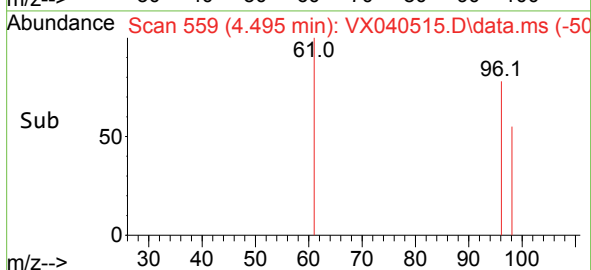
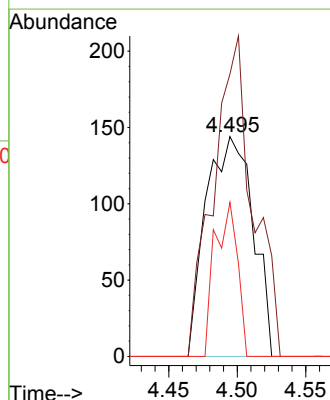
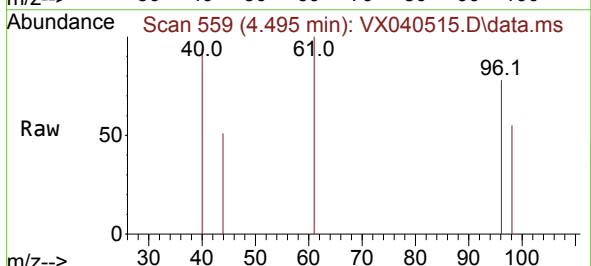


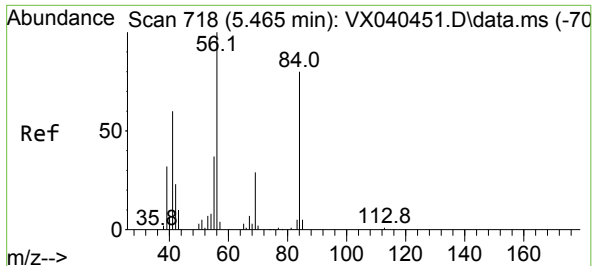
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 203    |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 82.5     | 103.6 155.4# |
| 51 34.1     | 33.8 50.6    |
| 86 31.0     | 49.4 74.0#   |



#27  
cis-1,2-Dichloroethene  
Concen: 0.328 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 344   |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 122.7    | 0.0 312.2   |
| 98 33.7     | 0.0 129.0   |

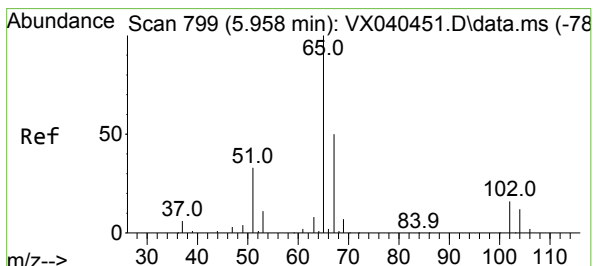
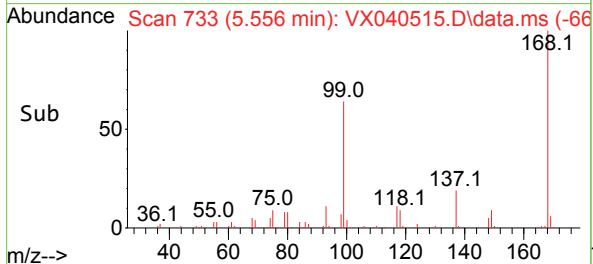
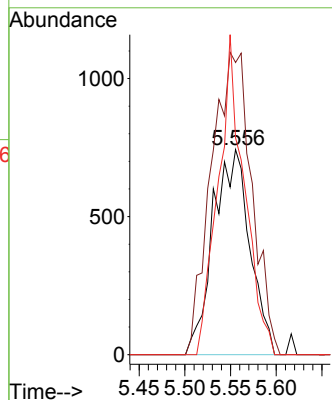
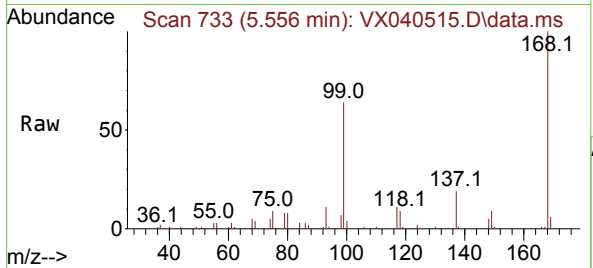




#31  
Cyclohexane  
Concen: 1.486 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.091 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

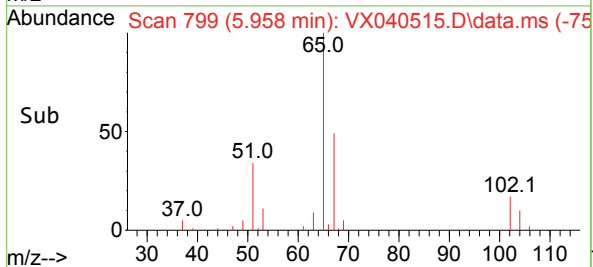
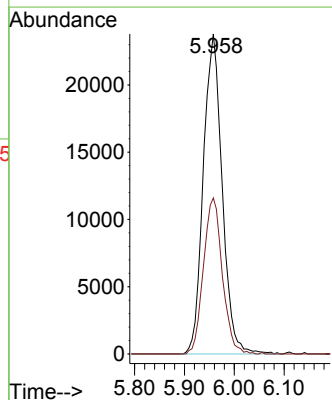
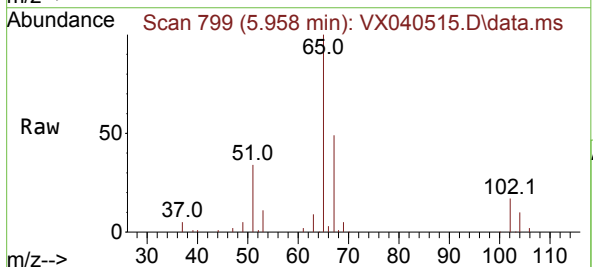
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

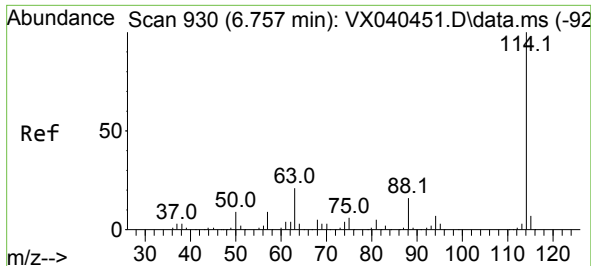
Tgt Ion: 56 Resp: 2077  
Ion Ratio Lower Upper  
56 100  
69 142.4 23.4 35.2#  
84 105.7 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 50.665 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion: 65 Resp: 62499  
Ion Ratio Lower Upper  
65 100  
67 48.7 0.0 100.2

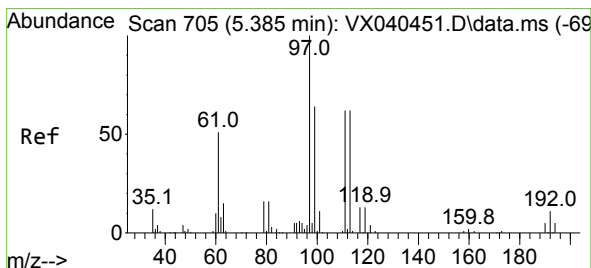
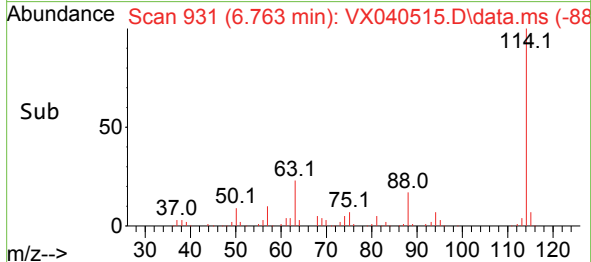
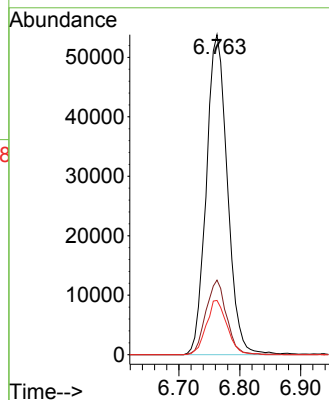
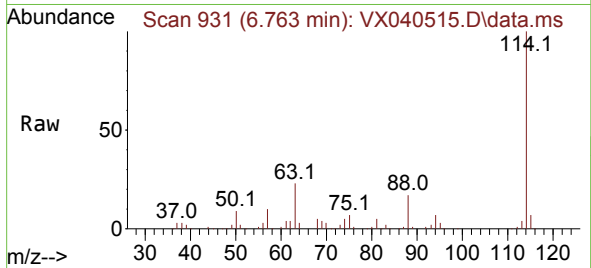




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

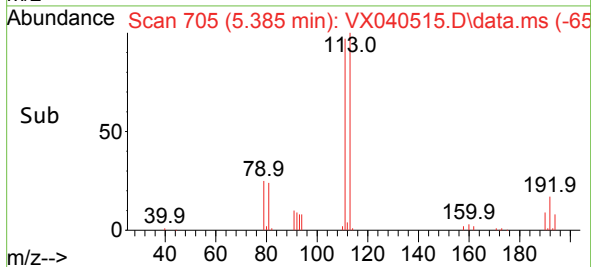
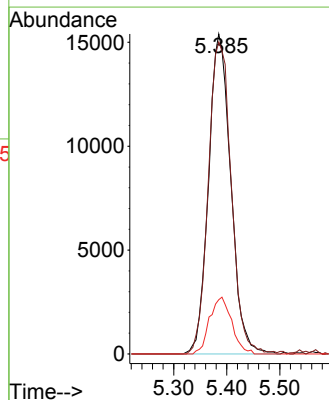
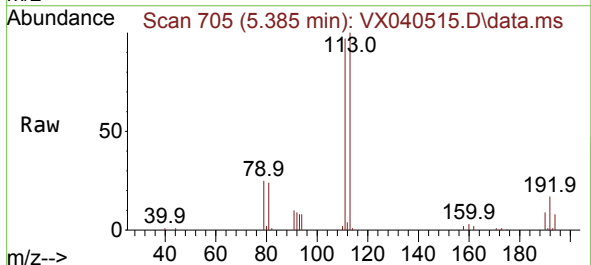
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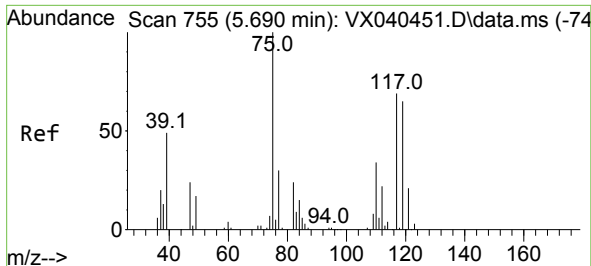
Tgt Ion:114 Resp: 129349  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 45.0  
88 17.0 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.895 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion:113 Resp: 44880  
Ion Ratio Lower Upper  
113 100  
111 100.7 82.9 124.3  
192 17.7 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.163 ug/l

RT: 5.549 min Scan# 715

Delta R.T. -0.141 min

Lab File: VX040515.D

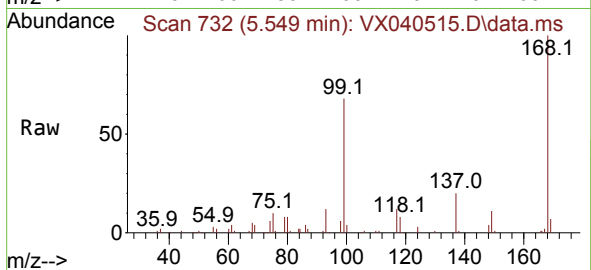
Acq: 28 Feb 2024 16:49

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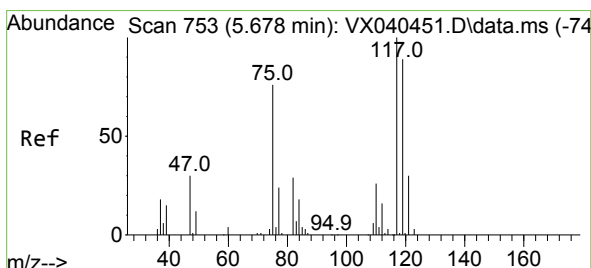
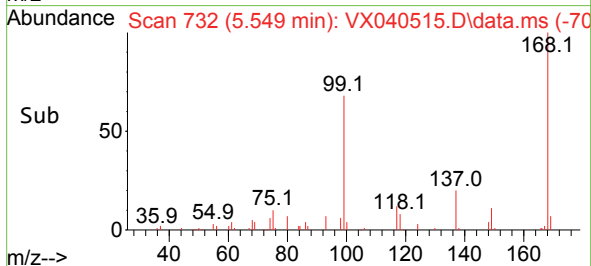
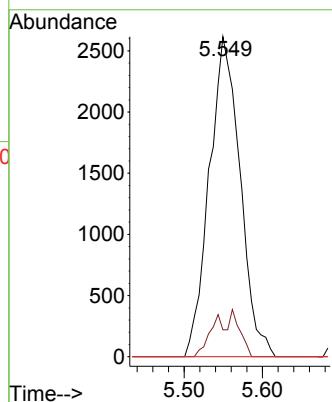
Tgt Ion: 75 Resp: 7155

Ion Ratio Lower Upper

75 100

110 5.8 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040515.D

Acq: 28 Feb 2024 16:49

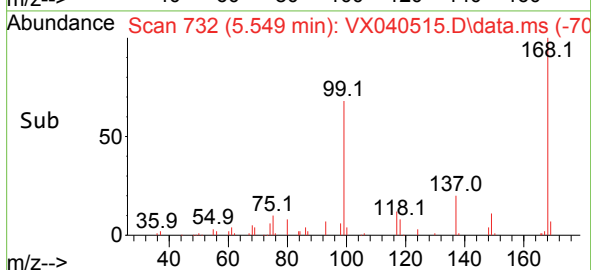
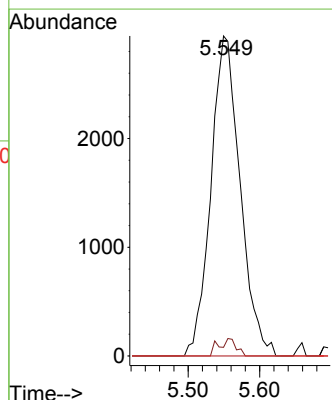
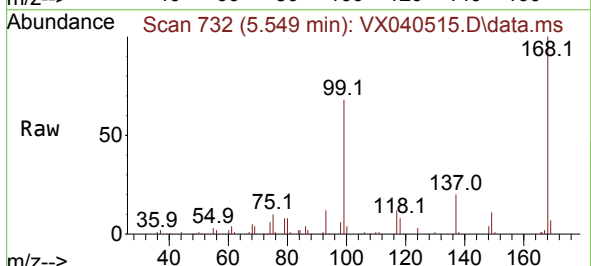
Tgt Ion: 117 Resp: 8365

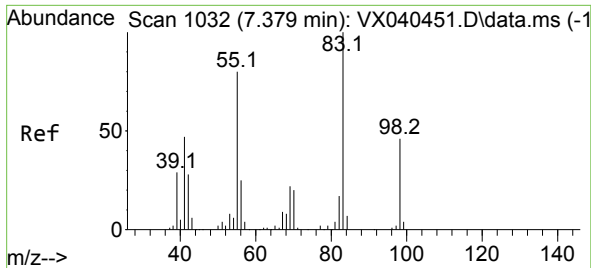
Ion Ratio Lower Upper

117 100

119 2.7 78.2 117.2#

121 0.0 24.4 36.6#

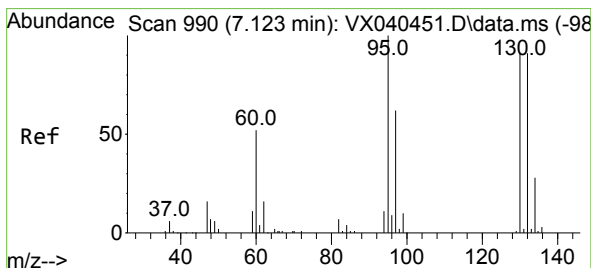
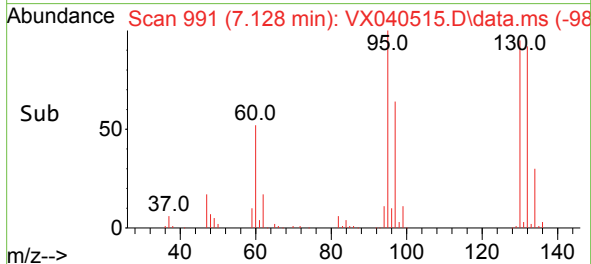
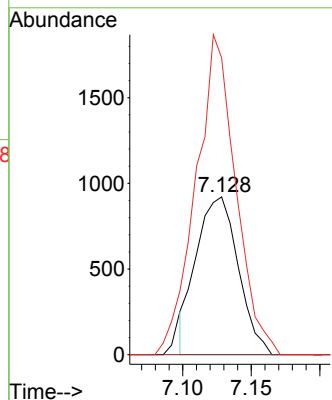
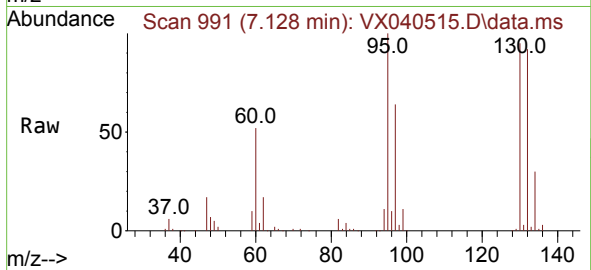




#39  
Methylcyclohexane  
Concen: 1.308 ug/l  
RT: 7.128 min Scan# 991  
Delta R.T. -0.250 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

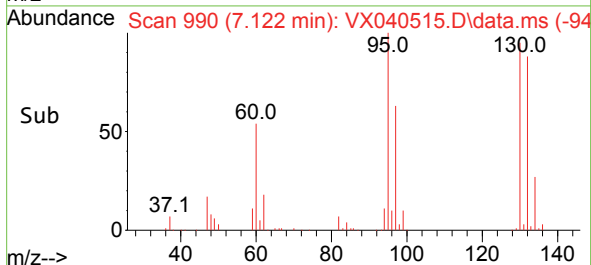
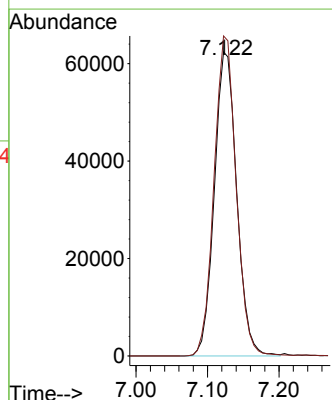
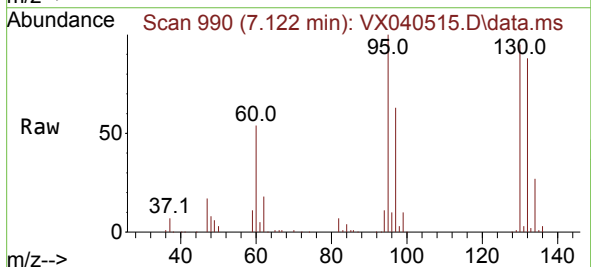
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

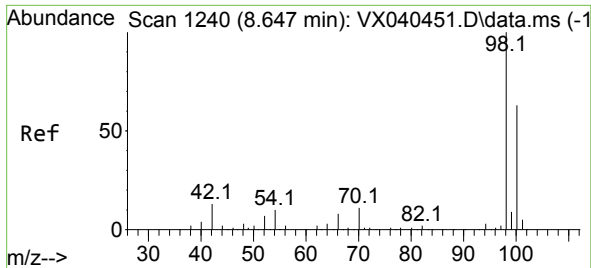
Tgt Ion: 83 Resp: 1957  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.6 97.0#  
98 188.2 36.7 55.1#



#44  
Trichloroethene  
Concen: 134.669 ug/l  
RT: 7.122 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion:130 Resp: 135888  
Ion Ratio Lower Upper  
130 100  
95 105.3 0.0 204.4

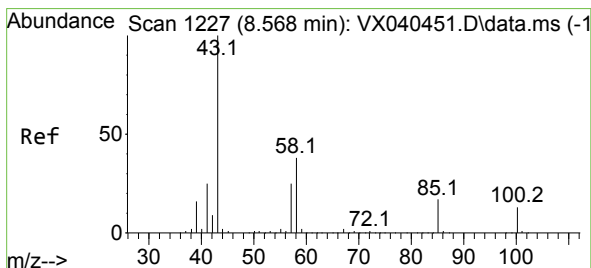
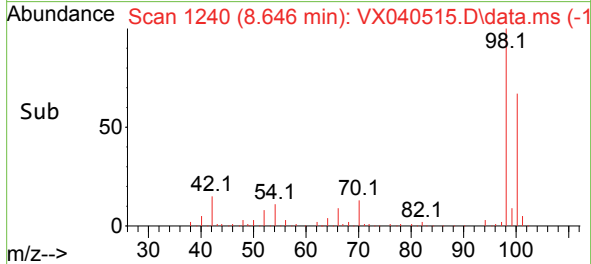
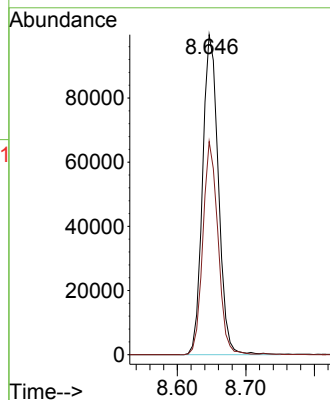
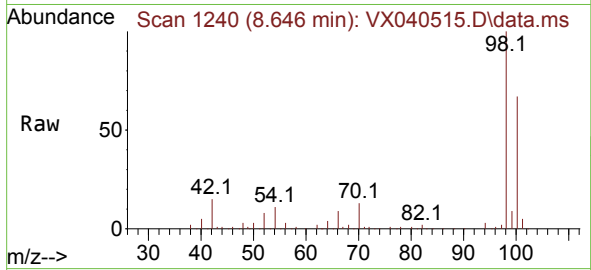




#50  
Toluene-d8  
Concen: 49.008 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

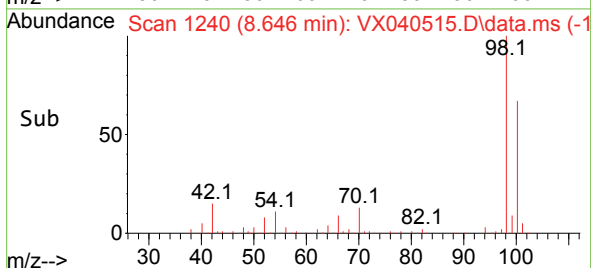
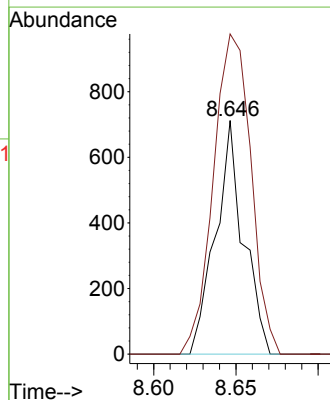
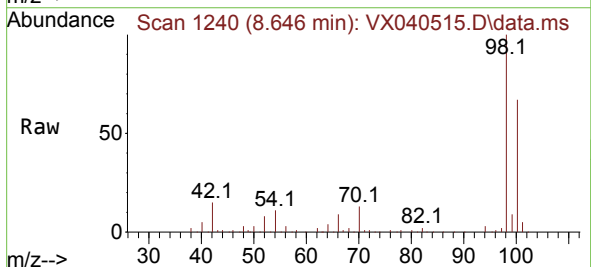
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

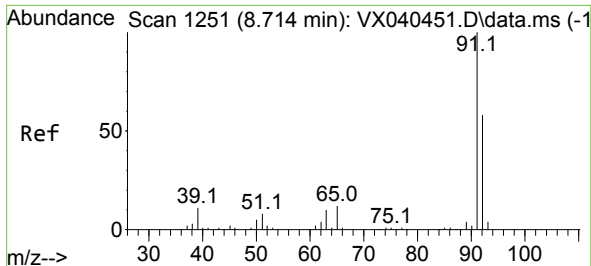
Tgt Ion: 98 Resp: 160011  
Ion Ratio Lower Upper  
98 100  
100 63.8 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.536 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. 0.079 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion: 43 Resp: 843  
Ion Ratio Lower Upper  
43 100  
58 184.3 30.4 45.6#

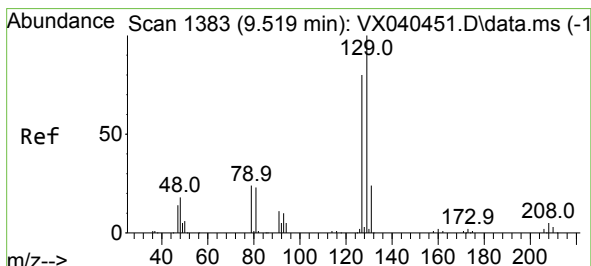
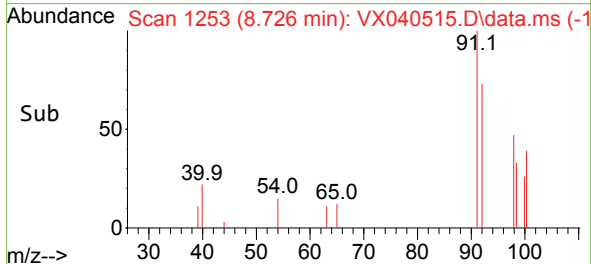
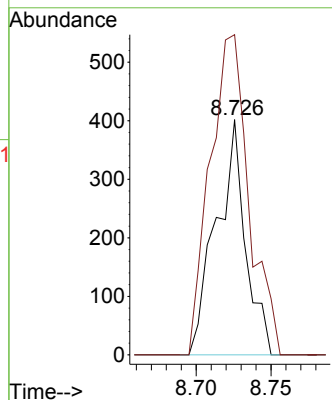
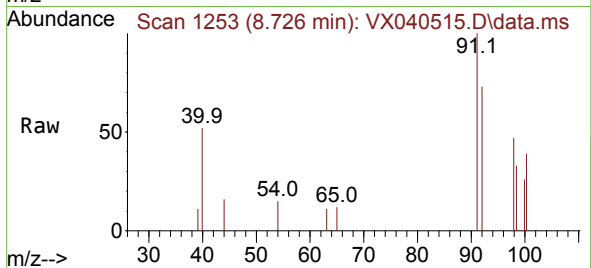




#52  
Toluene  
Concen: 0.236 ug/l  
RT: 8.726 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

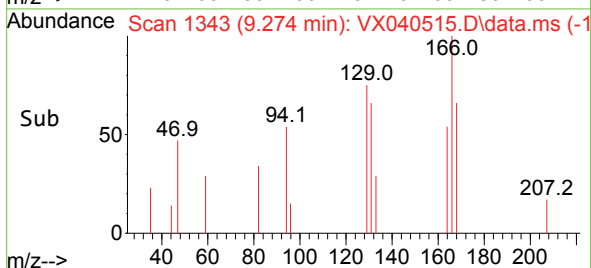
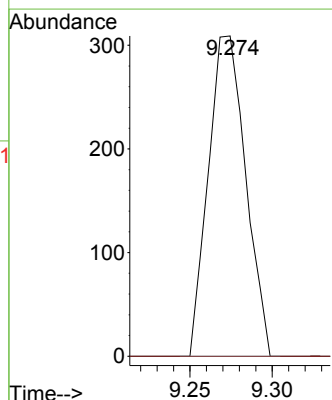
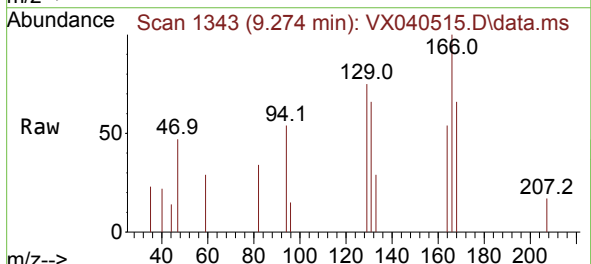
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

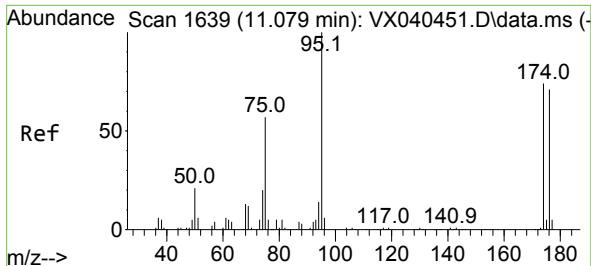
Tgt Ion: 92 Resp: 543  
Ion Ratio Lower Upper  
92 100  
91 182.0 134.2 201.2



#60  
Dibromochloromethane  
Concen: 0.470 ug/l  
RT: 9.274 min Scan# 1343  
Delta R.T. -0.244 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion: 129 Resp: 488  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#

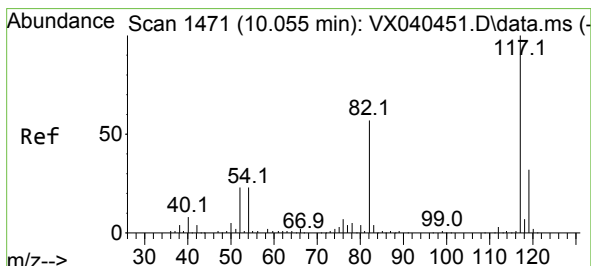
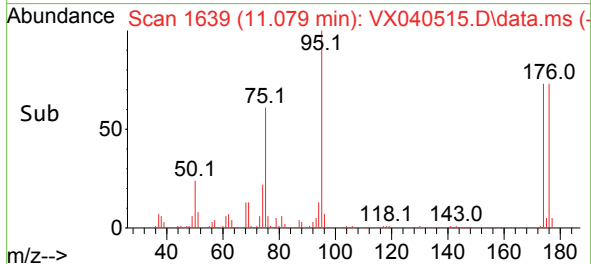
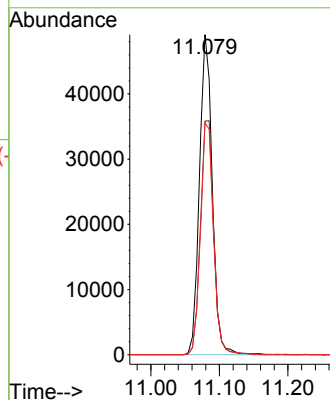
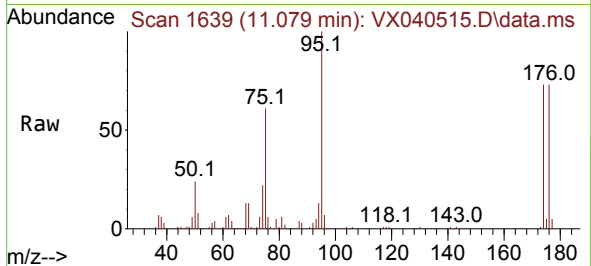




#62  
4-Bromofluorobenzene  
Concen: 51.439 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

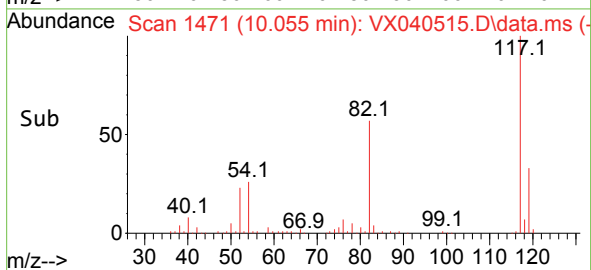
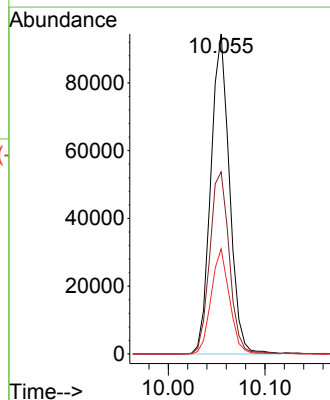
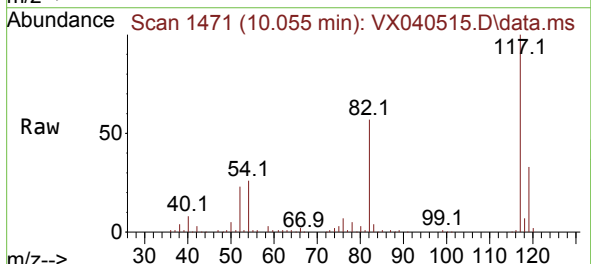
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

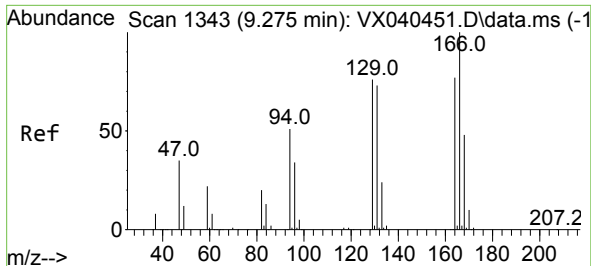
Tgt Ion: 95 Resp: 64021  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 135.6  
176 73.4 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

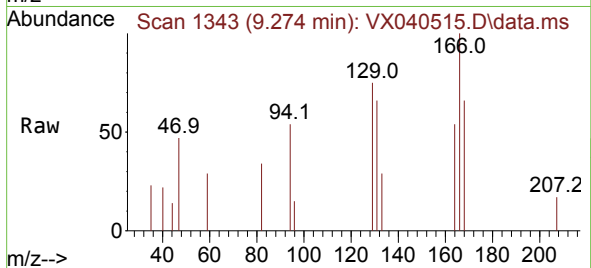
Tgt Ion: 117 Resp: 126459  
Ion Ratio Lower Upper  
117 100  
82 56.9 46.2 69.4  
119 32.9 25.5 38.3



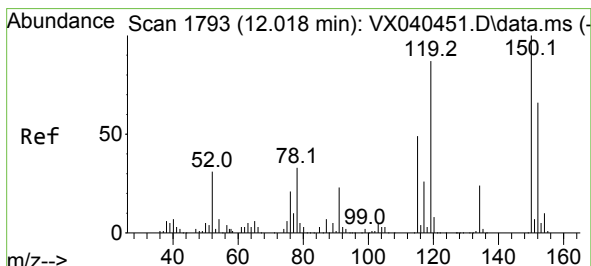
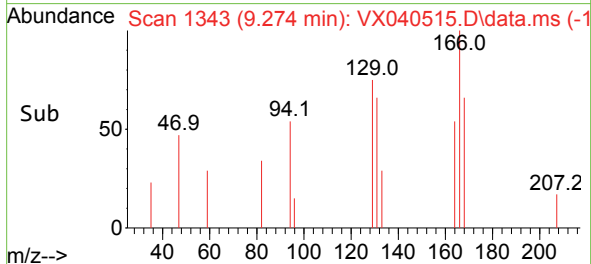
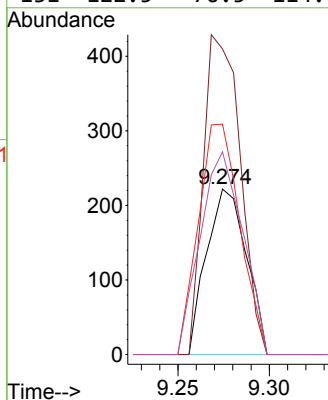


#64  
Tetrachloroethene  
Concen: 0.381 ug/l  
RT: 9.274 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20240227

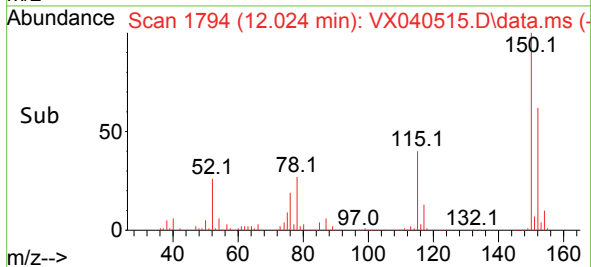
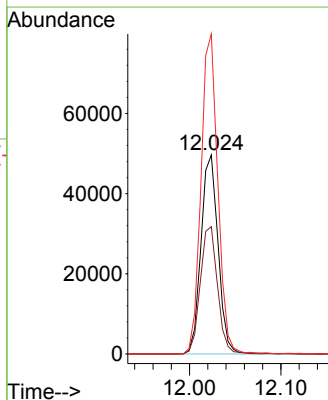
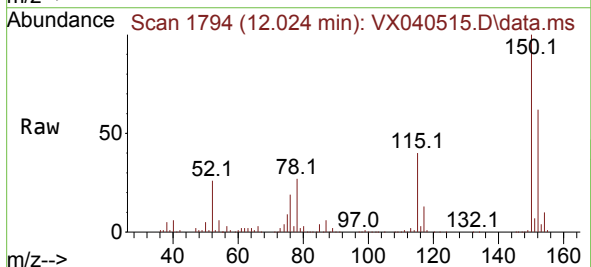


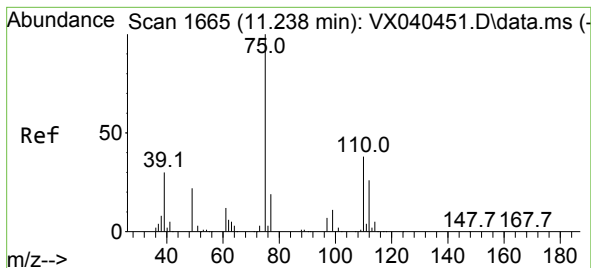
Tgt Ion:164 Resp: 338  
Ion Ratio Lower Upper  
164 100  
166 184.7 102.7 154.1#  
129 139.2 80.4 120.6#  
131 122.5 76.5 114.7#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX040515.D  
Acq: 28 Feb 2024 16:49

Tgt Ion:152 Resp: 64320  
Ion Ratio Lower Upper  
152 100  
115 64.7 43.3 129.9  
150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.696 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040515.D

Acq: 28 Feb 2024 16:49

Instrument :

MSVOA\_X

ClientSampleId :

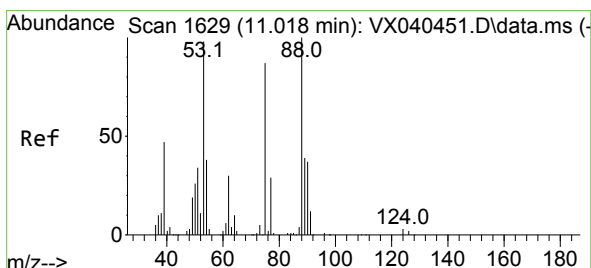
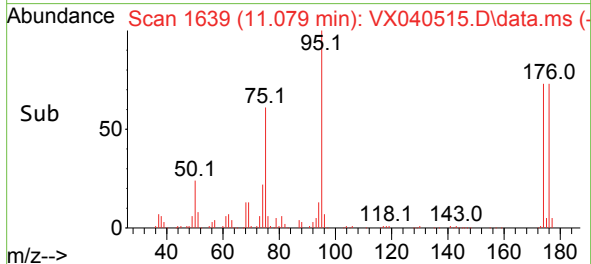
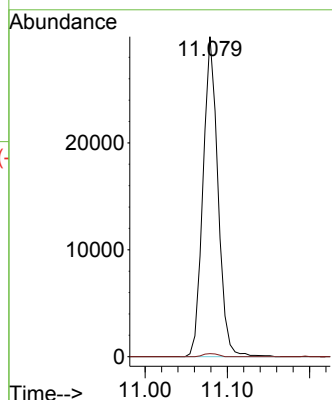
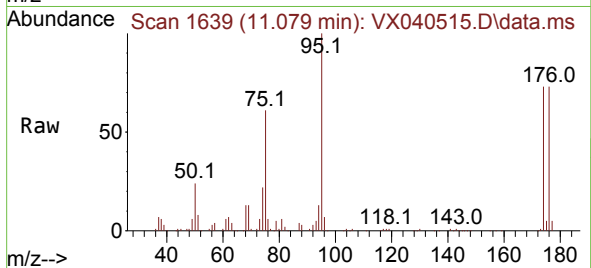
TT101D2-20240227

Tgt Ion: 75 Resp: 37790

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.539 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040515.D

Acq: 28 Feb 2024 16:49

Tgt Ion: 75 Resp: 37790

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

