

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091422\  
 Data File : VX031321.D  
 Acq On : 14 Sep 2022 21:25  
 Operator : JC/MD  
 Sample : N4492-22  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB01-090122

Quant Time: Sep 15 06:06:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

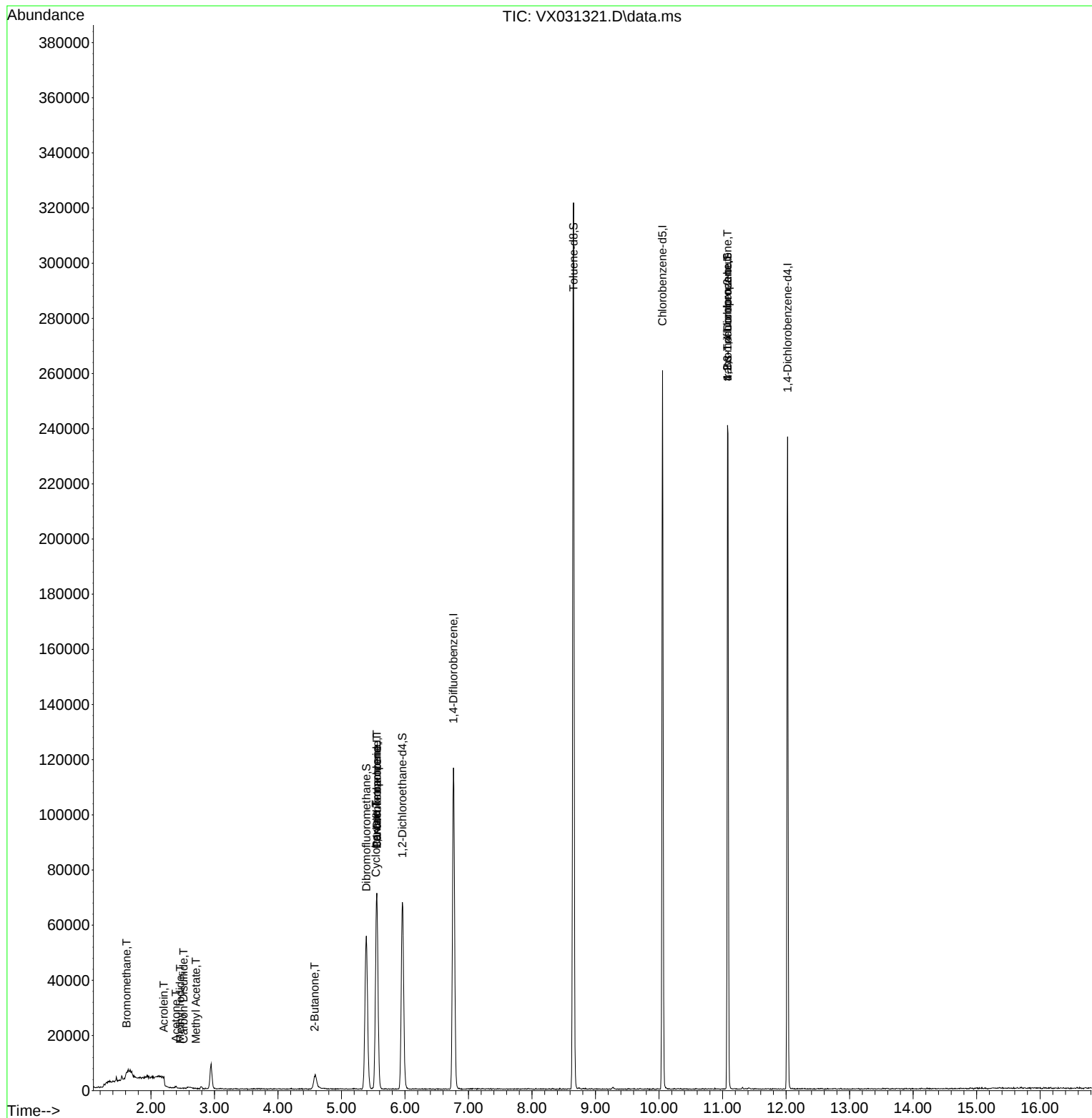
| Compound                      | R.T.           | QIon | Response   | Conc          | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------------|-------|----------|
| -----                         |                |      |            |               |       |          |
| Internal Standards            |                |      |            |               |       |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 61711      | 50.000        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 111200     | 50.000        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 102008     | 50.000        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 43252      | 50.000        | ug/l  | 0.00     |
|                               |                |      |            |               |       |          |
| System Monitoring Compounds   |                |      |            |               |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 64941      | 42.873        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 85.740%       |       |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 46436      | 38.848        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 77.700%       |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 183041     | 40.823        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 81.640%#      |       |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 62052      | 37.792        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 75.580%#      |       |          |
|                               |                |      |            |               |       |          |
| Target Compounds              |                |      |            |               |       | Qvalue   |
| 3) Chloromethane              | 1.288          | 50   | 136        | Below Cal     |       | 97       |
| 5) Bromomethane               | 1.617          | 94   | 218        | 0.270 ug/l    |       | 85       |
| 10) Methyl Iodide             | 2.459          | 142  | 20         | 0.928 ug/l #  |       | 38       |
| 11) Tert butyl alcohol        | 2.946          | 59   | 5143       | Below Cal #   |       | 73       |
| 13) Acrolein                  | 2.203          | 56   | 217        | 1.241 ug/l #  |       | 65       |
| 16) Acetone                   | 2.392          | 43   | 1024       | 1.584 ug/l    |       | 95       |
| 17) Carbon Disulfide          | 2.514          | 76   | 151        | 0.952 ug/l #  |       | 75       |
| 18) Methyl Acetate            | 2.709          | 43   | 417        | 0.217 ug/l #  |       | 52       |
| 20) Methylene Chloride        | 2.794          | 84   | 343        | Below Cal #   |       | 83       |
| 21) trans-1,2-Dichloroethene  | 2.934          | 96   | 45         | Below Cal #   |       | 60       |
| 25) 2-Butanone                | 4.574          | 43   | 357        | 0.335 ug/l #  |       | 49       |
| 31) Cyclohexane               | 5.544          | 56   | 1991       | 1.223 ug/l #  |       | 43       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 6020       | 3.680 ug/l #  |       | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 6927       | 3.895 ug/l #  |       | 17       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 35475      | 32.547 ug/l # |       | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 35475      | 90.059 ug/l # |       | 11       |
| -----                         |                |      |            |               |       |          |

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

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TB01-090122

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 15 01:50:07 2022  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX031321.D

Acq: 14 Sep 2022 21:25

Instrument :

MSVOA\_X

ClientSampleId :

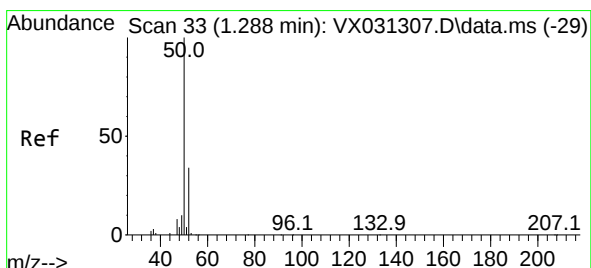
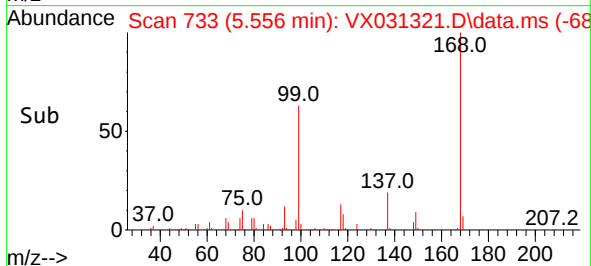
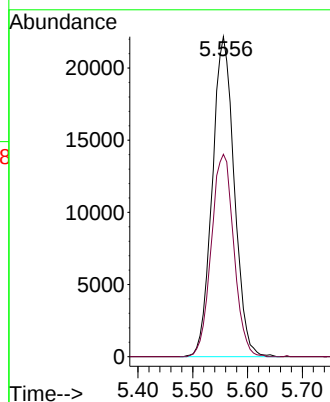
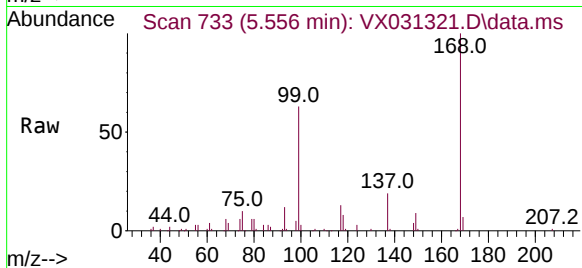
TB01-090122

Tgt Ion:168 Resp: 61711

Ion Ratio Lower Upper

168 100

99 63.2 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.288 min Scan# 33

Delta R.T. 0.000 min

Lab File: VX031321.D

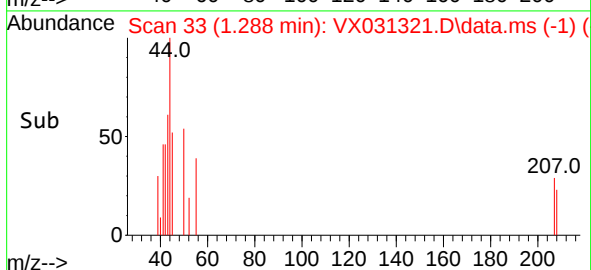
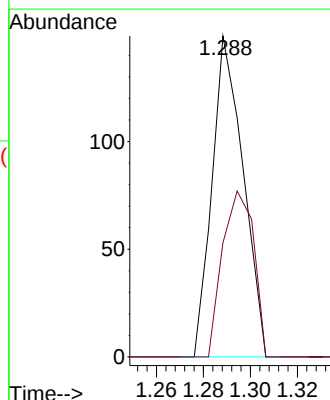
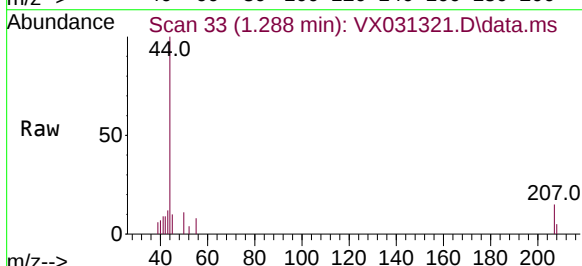
Acq: 14 Sep 2022 21:25

Tgt Ion: 50 Resp: 136

Ion Ratio Lower Upper

50 100

52 35.6 26.9 40.3

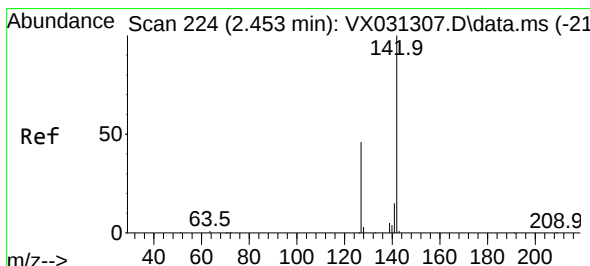
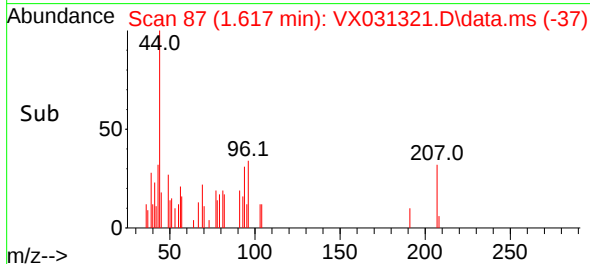
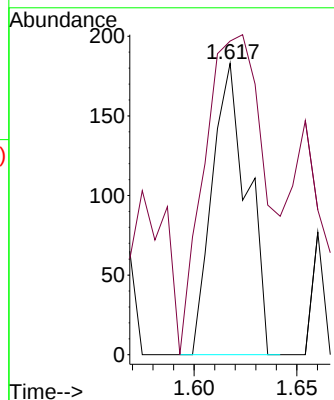
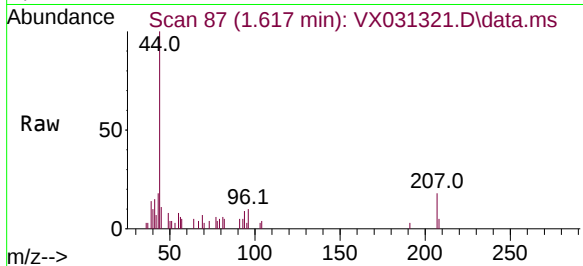




#5  
Bromomethane  
Concen: 0.270 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

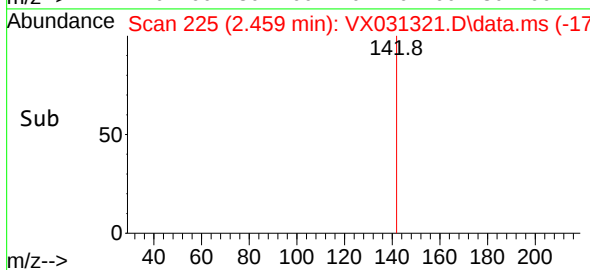
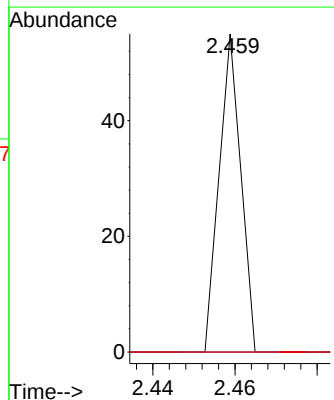
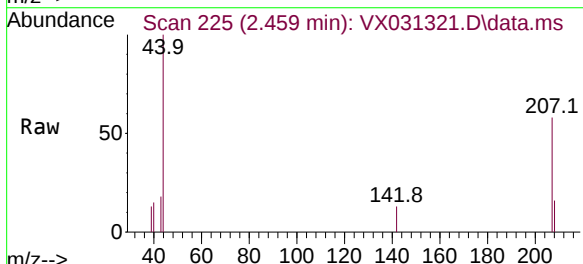
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

Tgt Ion: 94 Resp: 218  
Ion Ratio Lower Upper  
94 100  
96 107.7 74.4 111.6



#10  
Methyl Iodide  
Concen: 0.928 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 142 Resp: 20  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.4 56.0#  
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031321.D

Acq: 14 Sep 2022 21:25

Instrument :

MSVOA\_X

ClientSampleId :

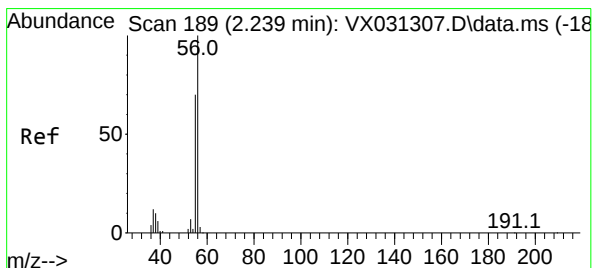
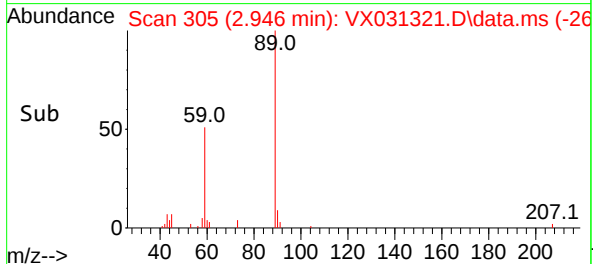
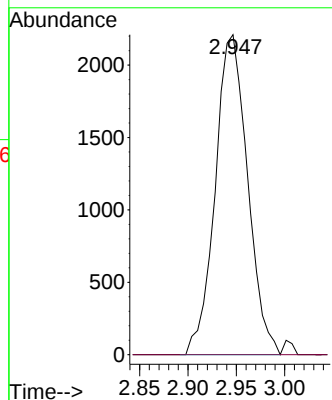
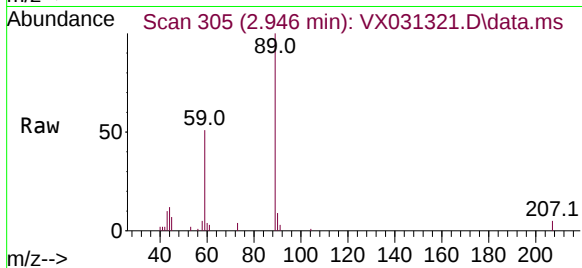
TB01-090122

Tgt Ion: 59 Resp: 5143

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 1.241 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.036 min

Lab File: VX031321.D

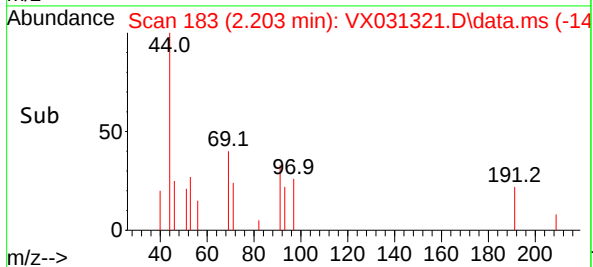
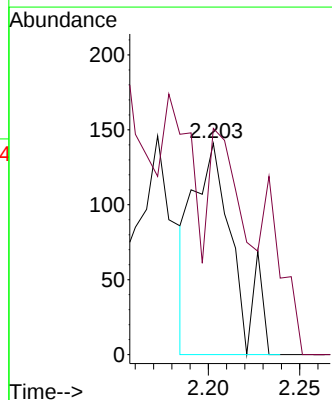
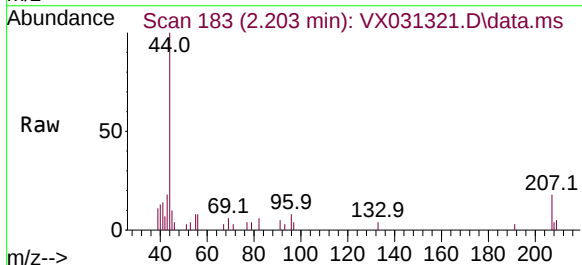
Acq: 14 Sep 2022 21:25

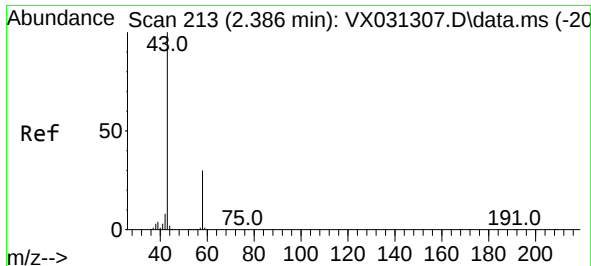
Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 41.0 56.0 84.0#





#16

Acetone

Concen: 1.584 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX031321.D

Acq: 14 Sep 2022 21:25

Instrument :

MSVOA\_X

ClientSampleId :

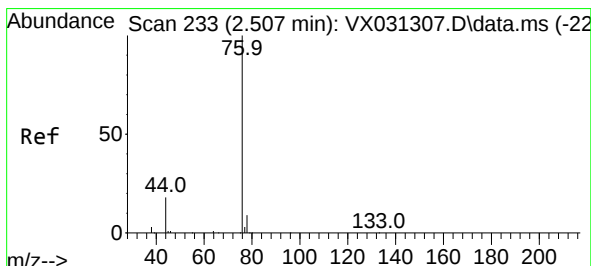
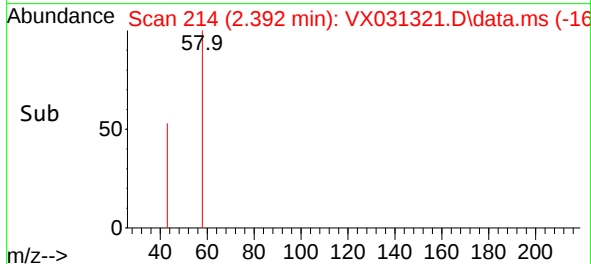
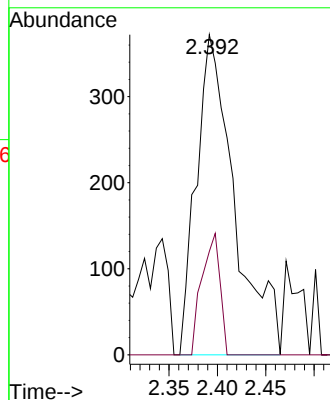
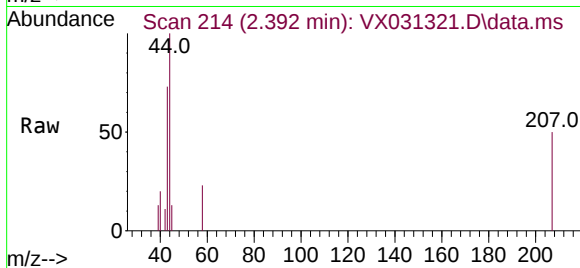
TB01-090122

Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 32.3 23.8 35.8



#17

Carbon Disulfide

Concen: 0.952 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.007 min

Lab File: VX031321.D

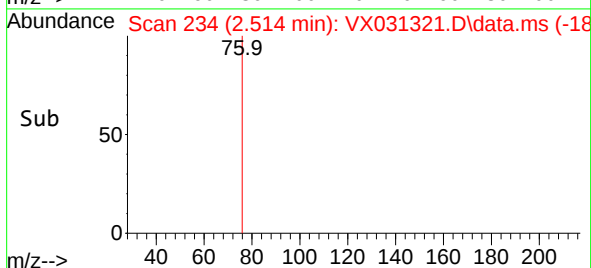
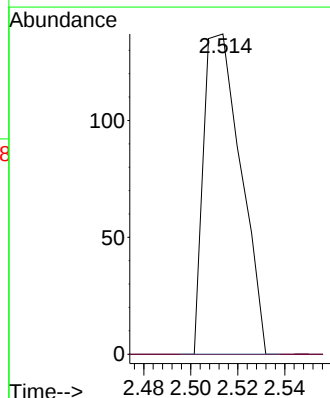
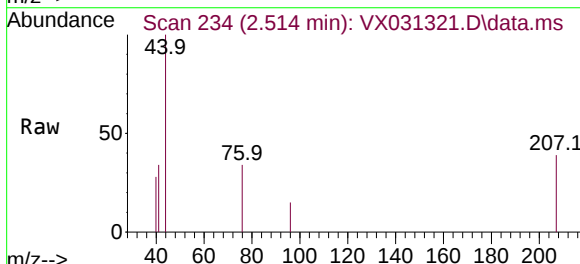
Acq: 14 Sep 2022 21:25

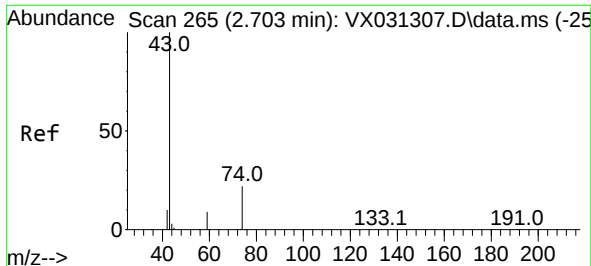
Tgt Ion: 76 Resp: 151

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

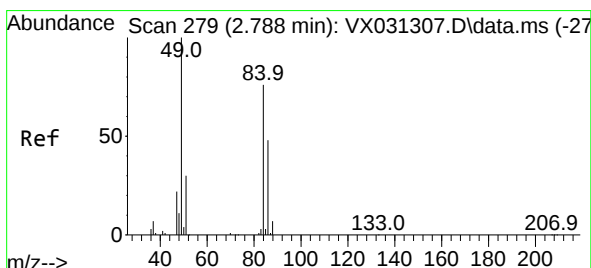
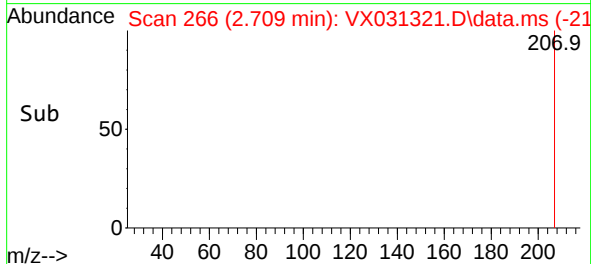
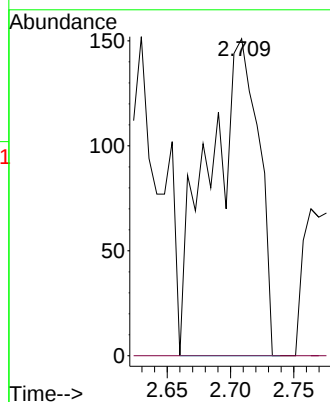
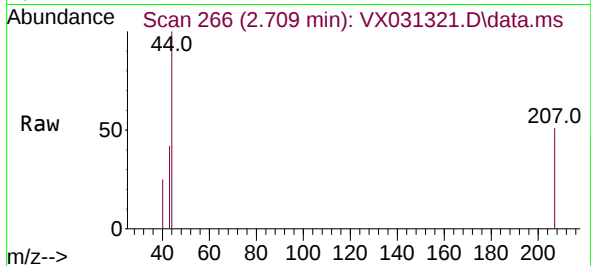




#18  
Methyl Acetate  
Concen: 0.217 ug/l  
RT: 2.709 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

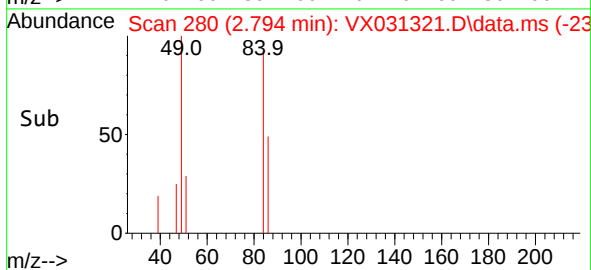
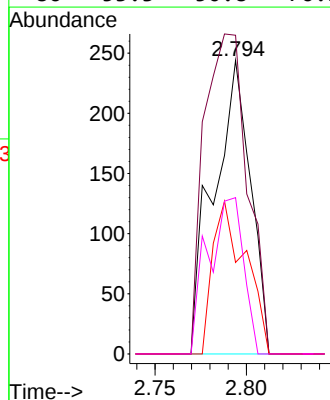
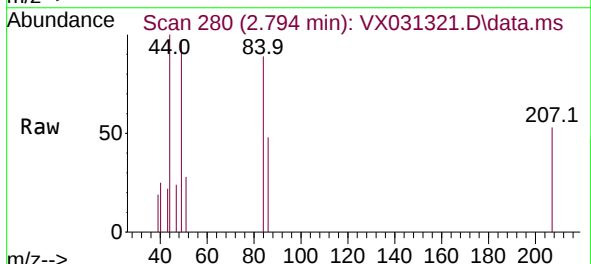
Instrument :  
MSVOA\_X  
ClientSampleId :  
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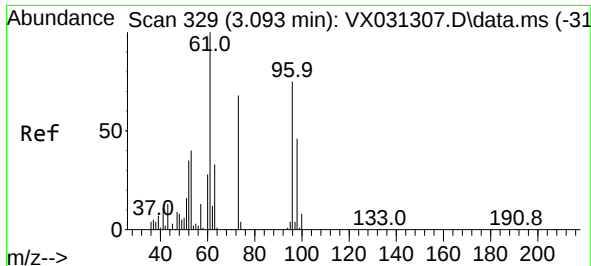
Tgt Ion: 43 Resp: 417  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.6 27.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 84 Resp: 343  
Ion Ratio Lower Upper  
84 100  
49 108.6 105.9 158.9  
51 31.1 32.2 48.2#  
86 53.3 50.8 76.2

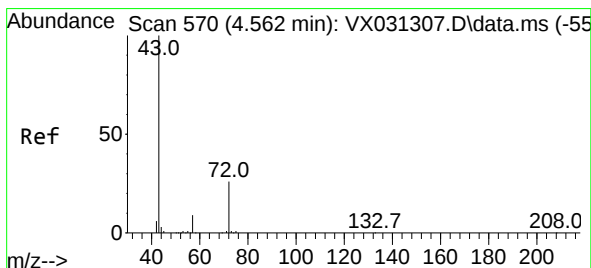
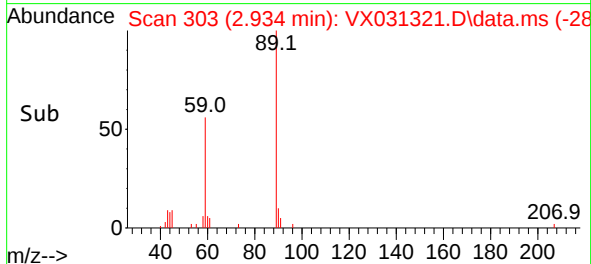
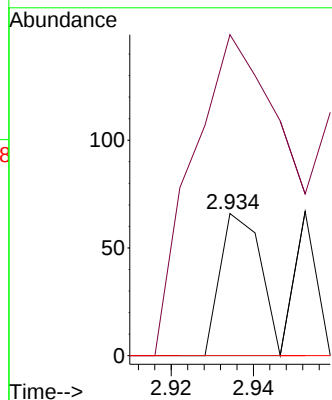
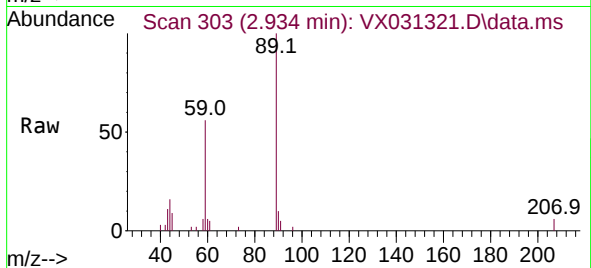




#21  
trans-1,2-Dichloroethene  
Concen: Below Cal  
RT: 2.934 min Scan# 303  
Delta R.T. -0.159 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

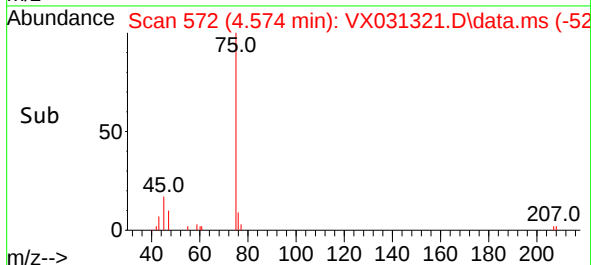
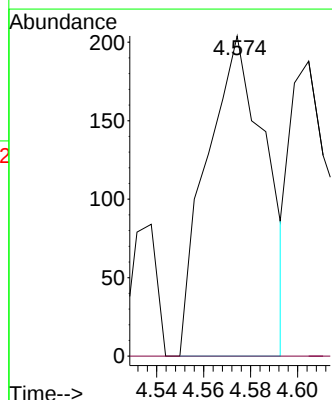
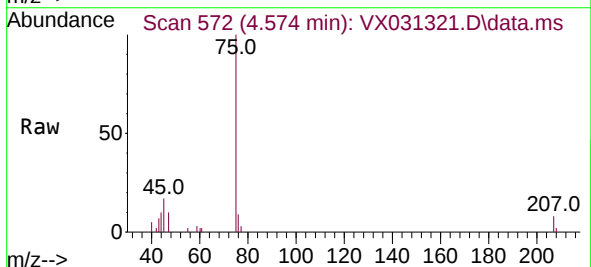
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TB01-090122

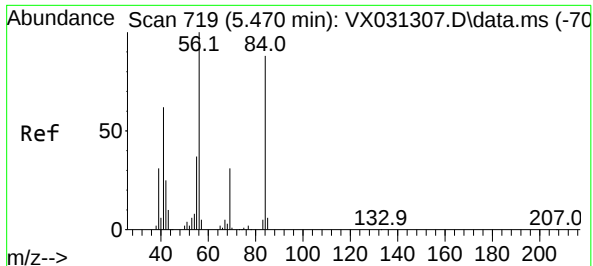
Tgt Ion: 96 Resp: 45  
Ion Ratio Lower Upper  
96 100  
61 107.6 106.7 160.1  
98 0.0 48.7 73.1#



#25  
2-Butanone  
Concen: 0.335 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.012 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 43 Resp: 357  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.1 31.7#

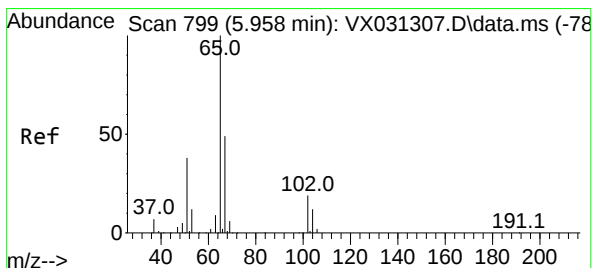
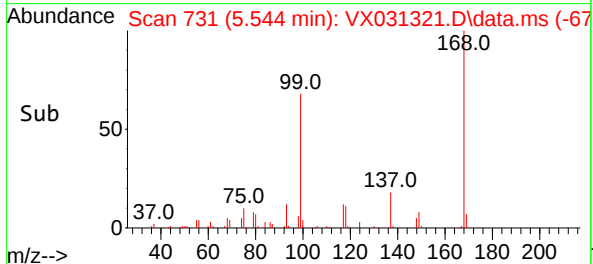
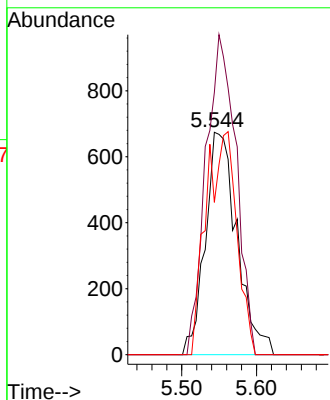
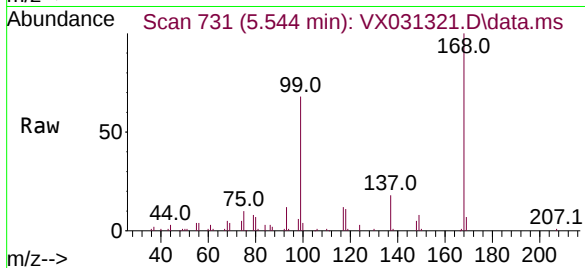




#31  
Cyclohexane  
Concen: 1.223 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

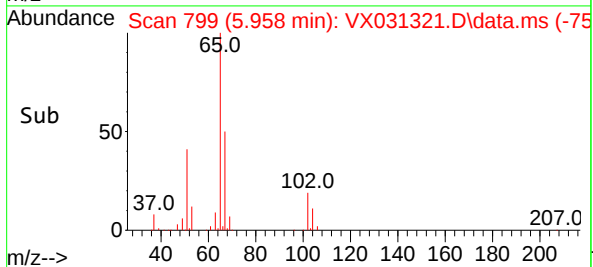
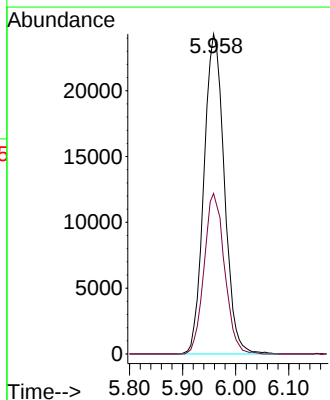
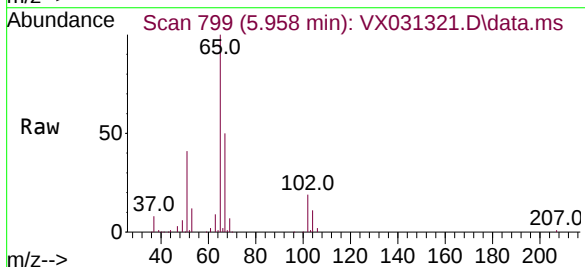
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

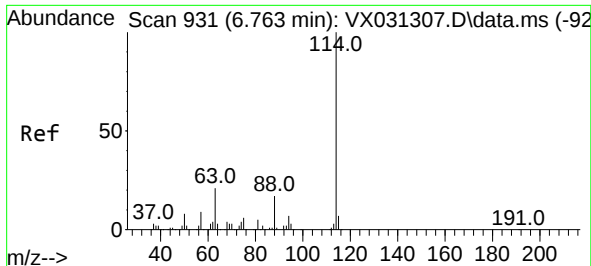
Tgt Ion: 56 Resp: 1991  
Ion Ratio Lower Upper  
56 100  
69 118.0 25.1 37.7#  
84 68.5 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 42.873 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 65 Resp: 64941  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 102.4

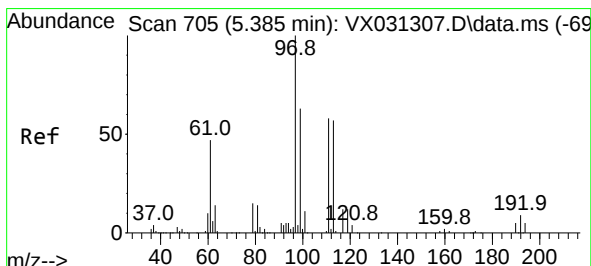
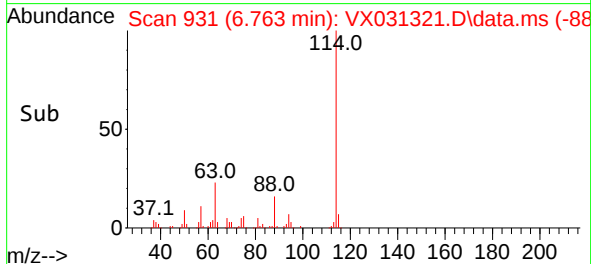
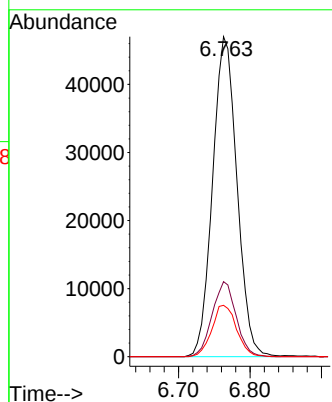
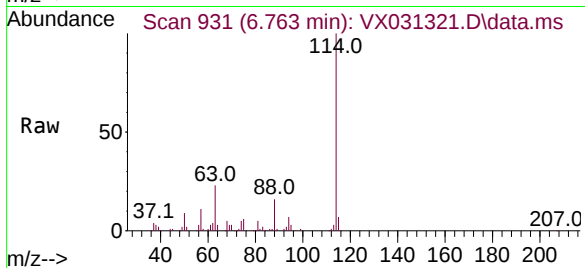




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

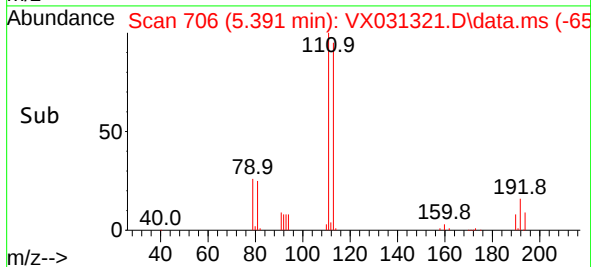
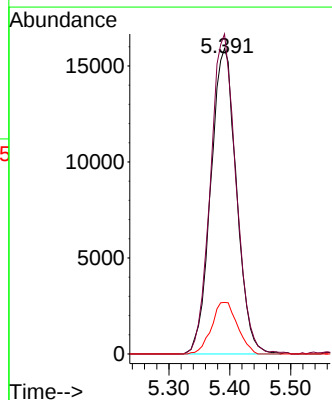
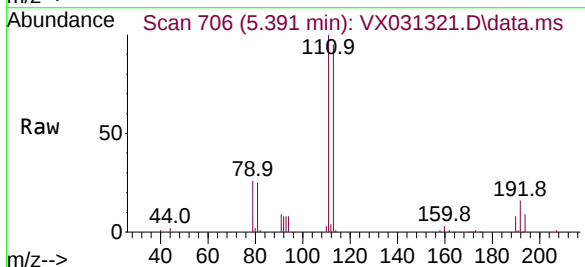
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

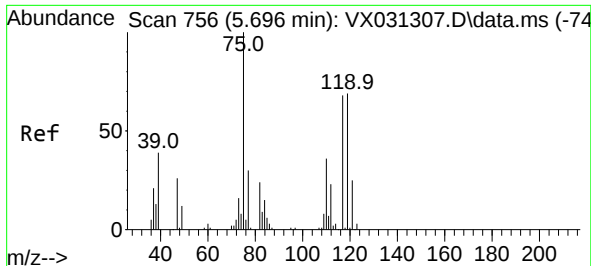
Tgt Ion:114 Resp: 111200  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 42.6  
88 16.1 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 38.848 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion:113 Resp: 46436  
Ion Ratio Lower Upper  
113 100  
111 104.3 82.4 123.6  
192 17.0 14.1 21.1

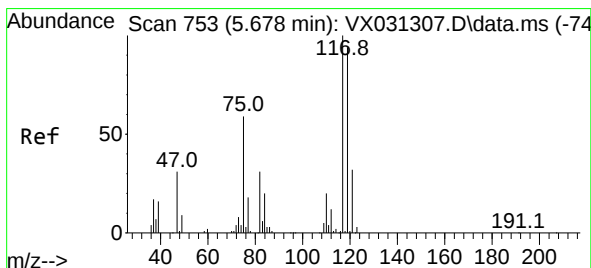
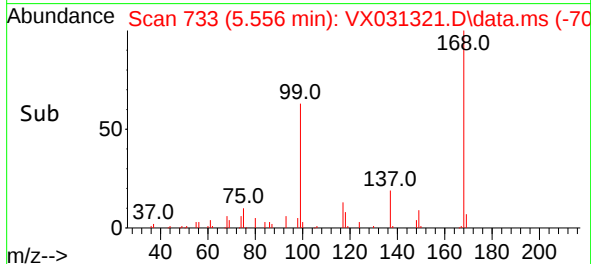
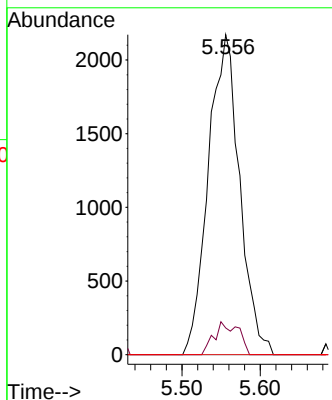
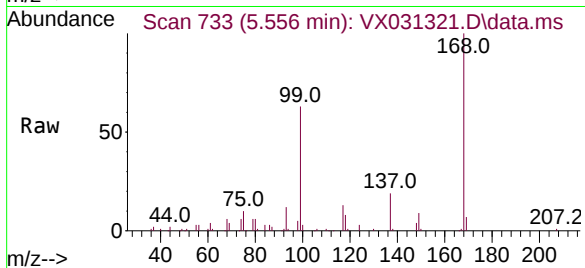




#36  
1,1-Dichloropropene  
Concen: 3.680 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.140 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

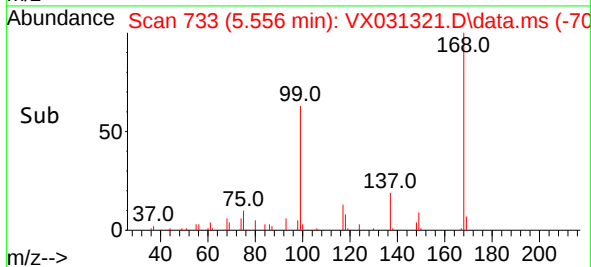
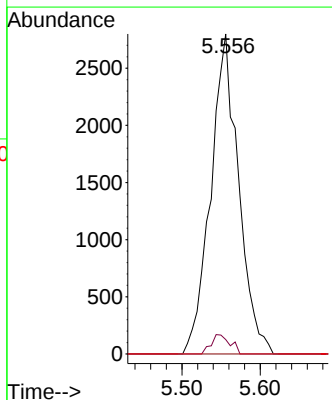
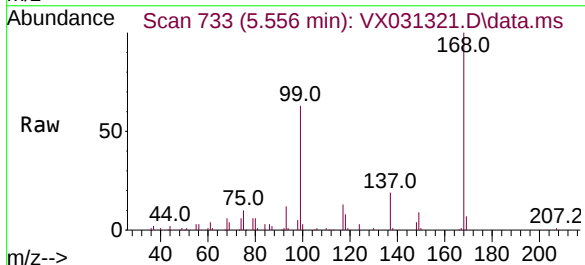
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

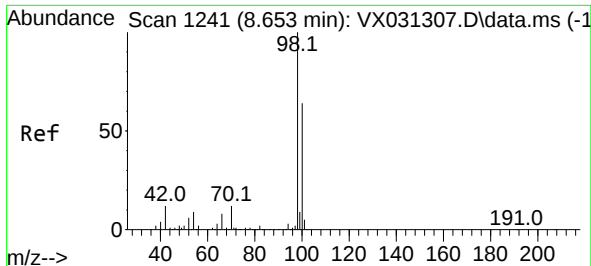
Tgt Ion: 75 Resp: 6020  
Ion Ratio Lower Upper  
75 100  
110 8.0 17.5 52.5#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 3.895 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 117 Resp: 6927  
Ion Ratio Lower Upper  
117 100  
119 4.5 74.6 112.0#  
121 0.0 25.3 37.9#

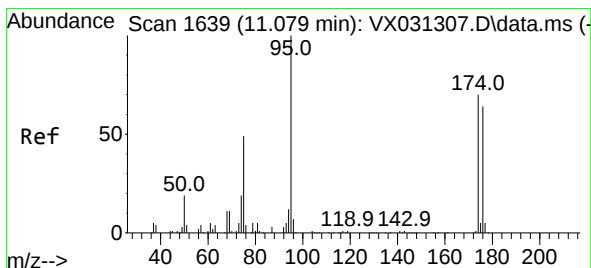
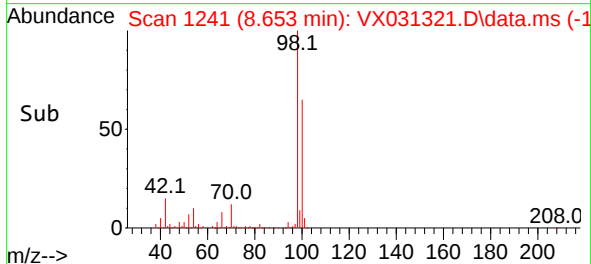
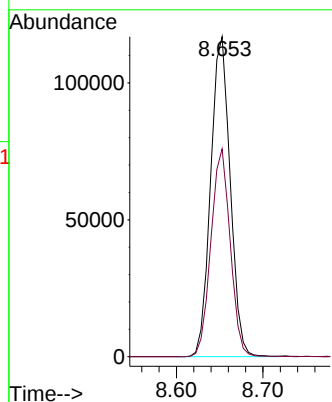
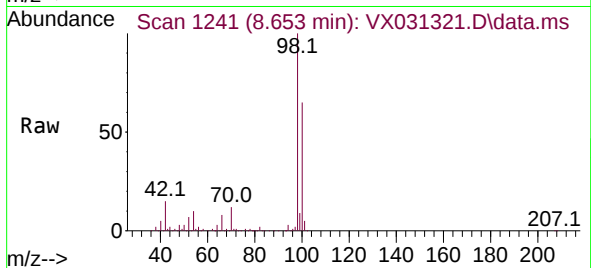




#50  
Toluene-d8  
Concen: 40.823 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

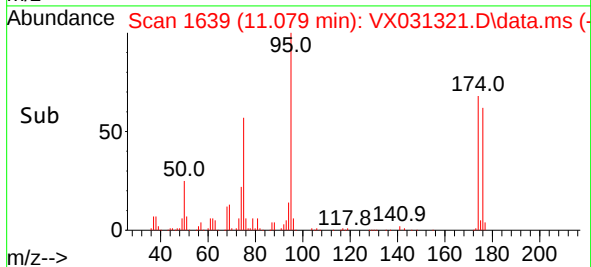
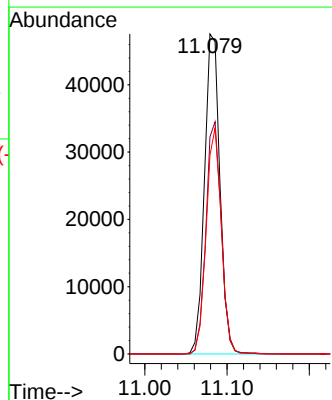
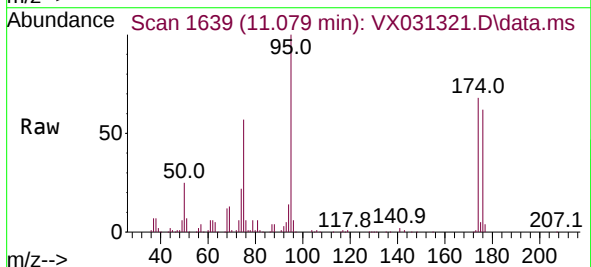
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

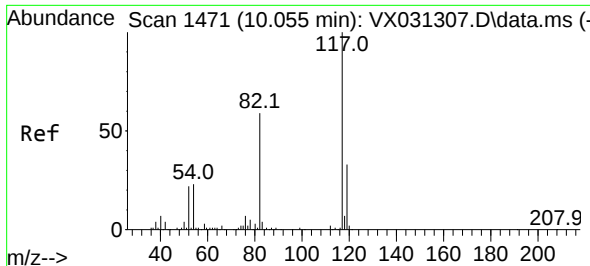
Tgt Ion: 98 Resp: 183041  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 37.792 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 95 Resp: 62052  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 153.2  
176 69.5 0.0 144.0

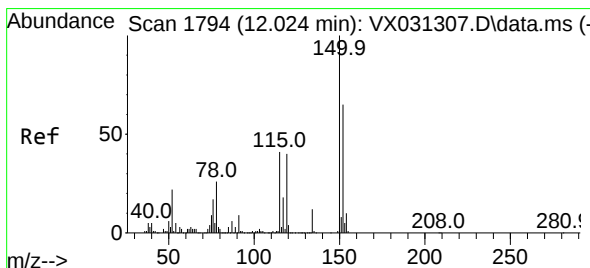
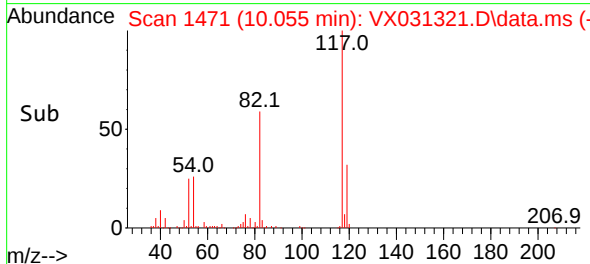
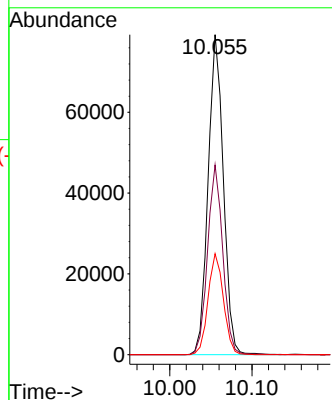
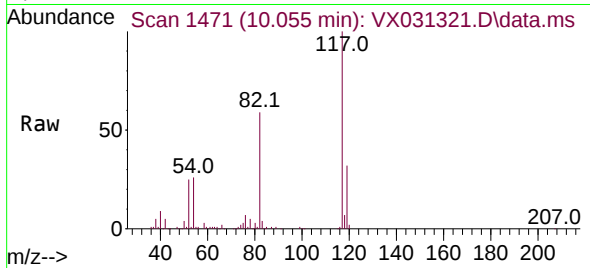




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

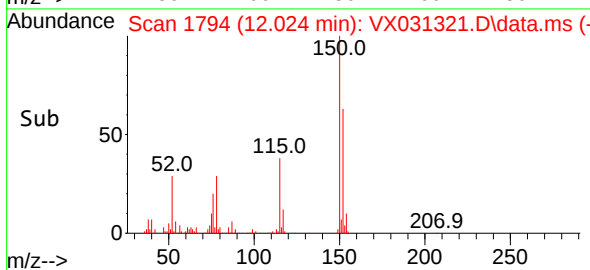
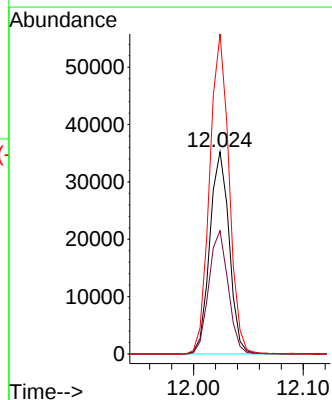
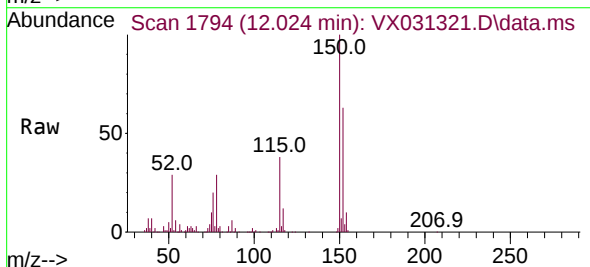
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

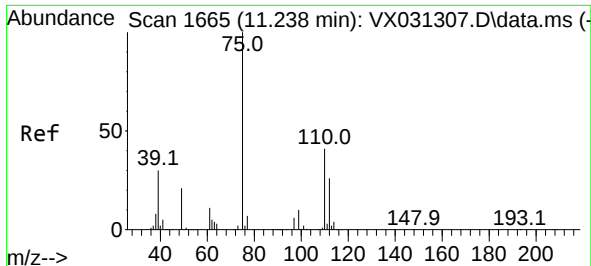
Tgt Ion:117 Resp: 102008  
Ion Ratio Lower Upper  
117 100  
82 59.3 46.8 70.2  
119 31.5 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion:152 Resp: 43252  
Ion Ratio Lower Upper  
152 100  
115 61.3 43.4 130.1  
150 158.4 0.0 346.8

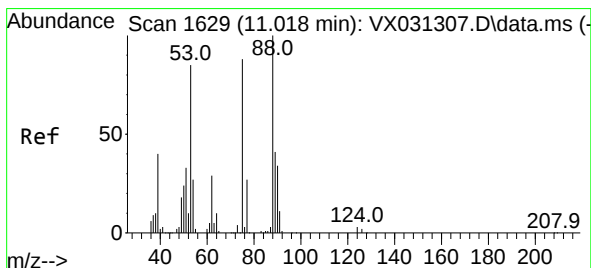
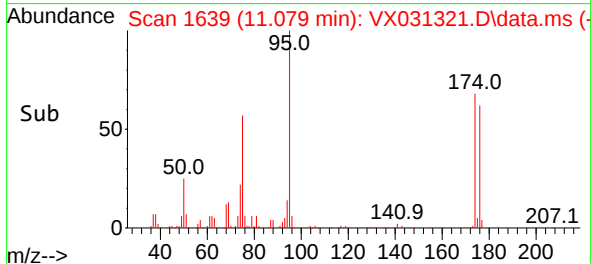
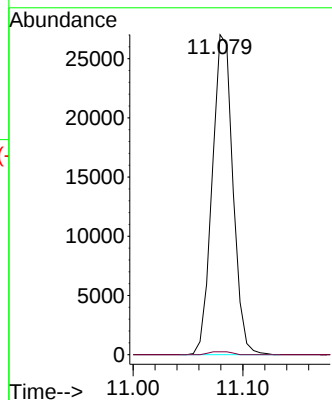
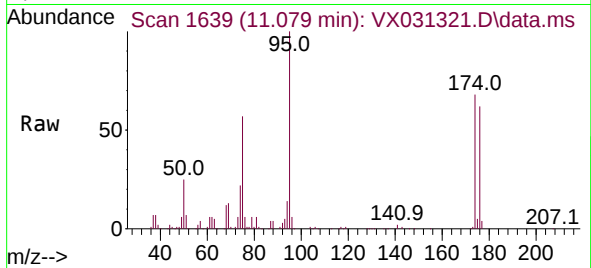




#76  
1,2,3-Trichloropropane  
Concen: 32.547 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-090122

Tgt Ion: 75 Resp: 35475  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.059 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX031321.D  
Acq: 14 Sep 2022 21:25

Tgt Ion: 75 Resp: 35475  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

