

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041522\  
 Data File : VX028128.D  
 Acq On : 15 Apr 2022 13:17  
 Operator : JC/MD  
 Sample : N2432-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB220414

Quant Time: Apr 16 02:24:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

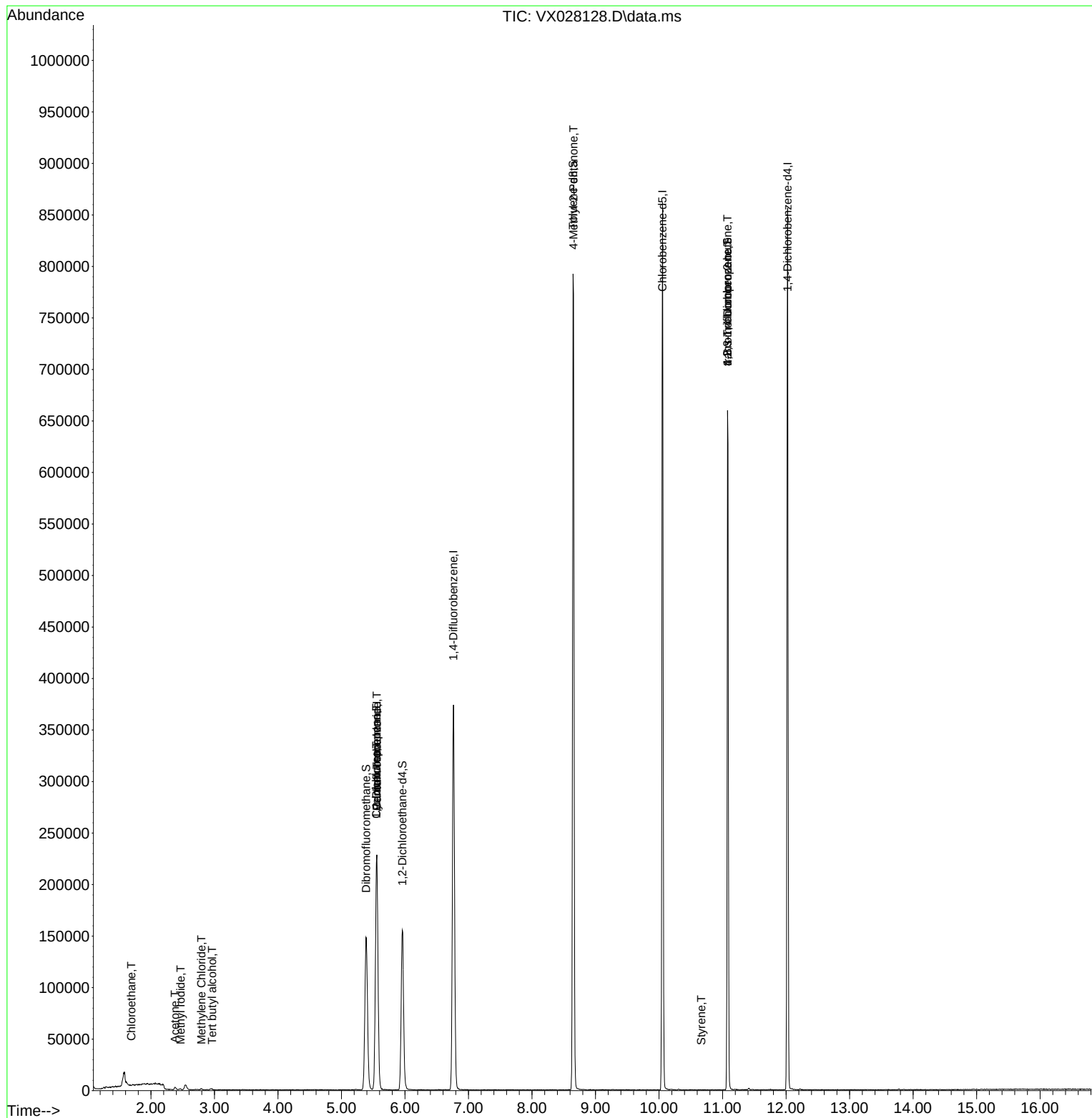
| Compound                      | R.T.           | QIon | Response   | Conc          | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------------|--------|----------|
| -----                         |                |      |            |               |        |          |
| Internal Standards            |                |      |            |               |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 219131     | 50.000        | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 384373     | 50.000        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 368229     | 50.000        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 168084     | 50.000        | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |               |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 142684     | 47.995        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 95.980%       |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 125422     | 49.797        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 99.600%       |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 473435     | 50.400        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 100.800%      |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 153432     | 43.746        | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 87.500%       |        |          |
| Target Compounds              |                |      |            |               |        |          |
|                               |                |      |            |               | Qvalue |          |
| 5) Bromomethane               | 1.618          | 94   | 999        | Below Cal     |        | 97       |
| 6) Chloroethane               | 1.691          | 64   | 53         | 2.624 ug/l #  |        | 43       |
| 10) Methyl Iodide             | 2.465          | 142  | 740        | 0.288 ug/l #  |        | 83       |
| 11) Tert butyl alcohol        | 2.965          | 59   | 812        | 1.177 ug/l #  |        | 72       |
| 13) Acrolein                  | 2.233          | 56   | 61         | Below Cal #   |        | 41       |
| 16) Acetone                   | 2.380          | 43   | 2545       | 2.055 ug/l    |        | 97       |
| 20) Methylene Chloride        | 2.794          | 84   | 568        | 0.230 ug/l #  |        | 78       |
| 31) Cyclohexane               | 5.550          | 56   | 5040       | 1.233 ug/l #  |        | 57       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 16181      | 4.209 ug/l #  |        | 50       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 22253      | 5.422 ug/l #  |        | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 2397       | 0.504 ug/l #  |        | 1        |
| 70) Styrene                   | 10.665         | 104  | 23         | 4.706 ug/l #  |        | 26       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 87840      | 23.474 ug/l # |        | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 87840      | 66.115 ug/l # |        | 15       |
| -----                         |                |      |            |               |        |          |

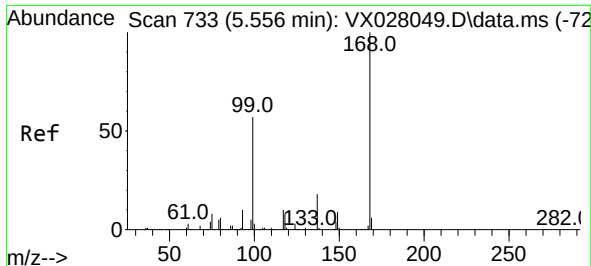
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041522\  
Data File : VX028128.D  
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Sample : N2432-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB220414

Quant Time: Apr 16 02:24:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 12 22:07:23 2022  
Response via : Initial Calibration

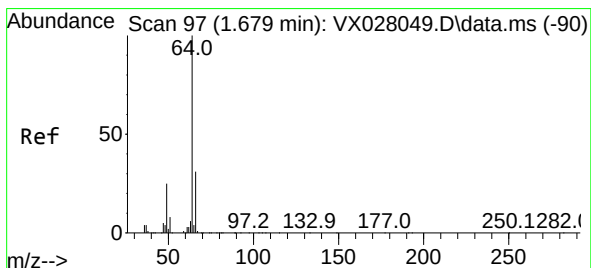
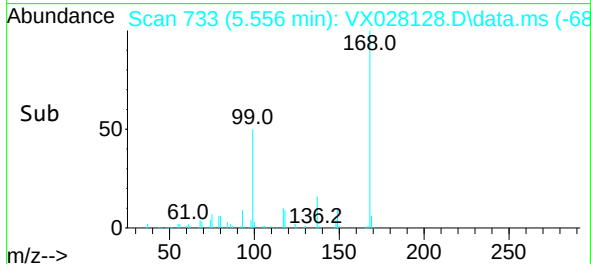
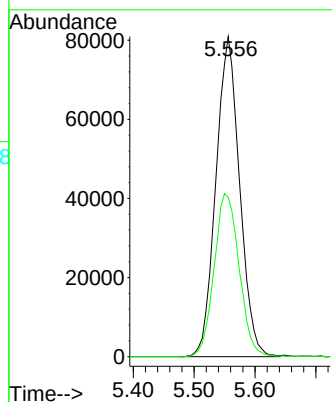
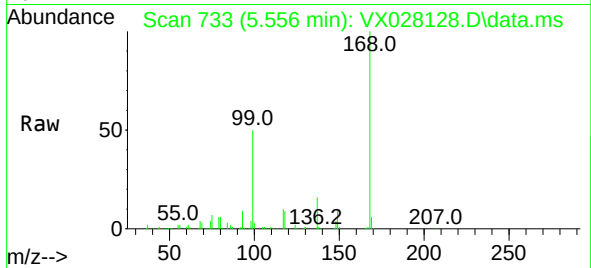




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

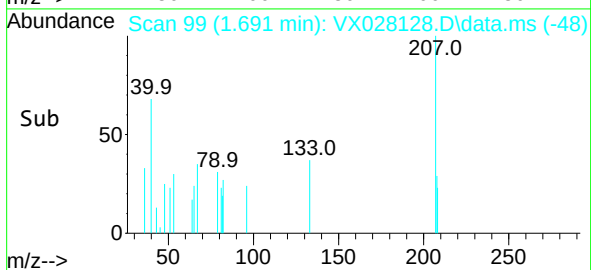
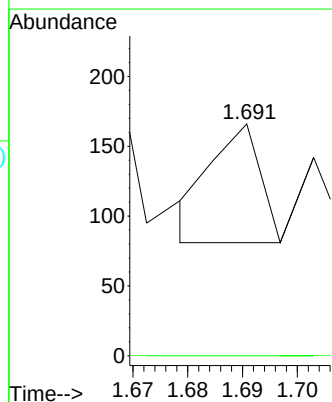
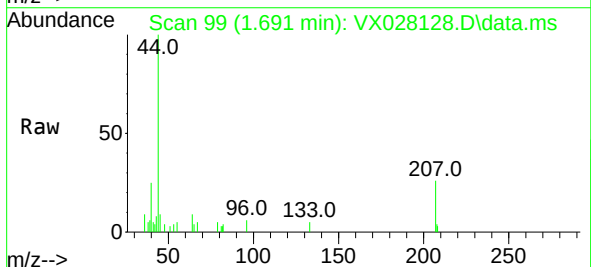
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB220414

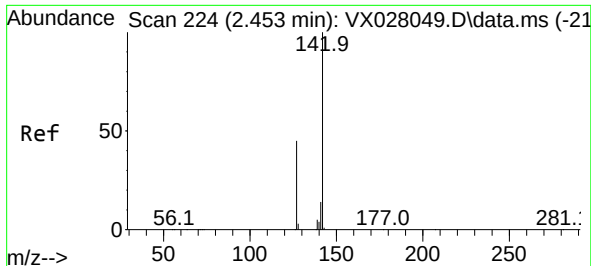
Tgt Ion:168 Resp: 219131  
Ion Ratio Lower Upper  
168 100  
99 49.8 41.7 62.5



#6  
Chloroethane  
Concen: 2.624 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.012 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

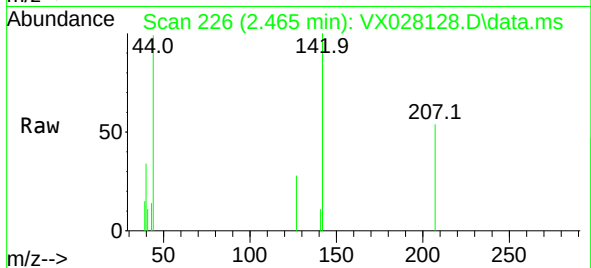
Tgt Ion: 64 Resp: 53  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9



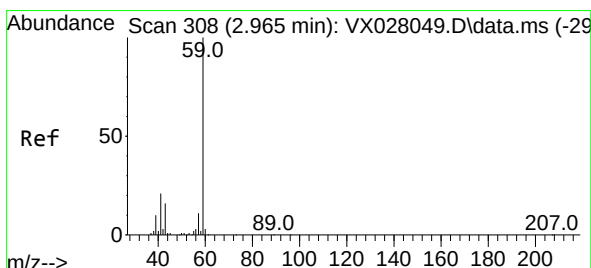
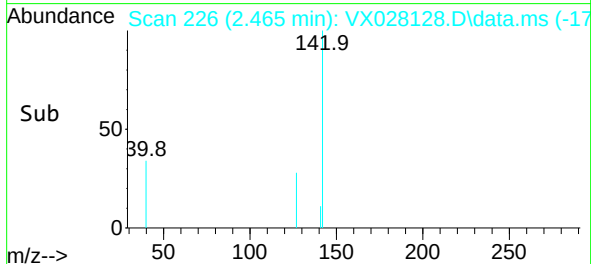
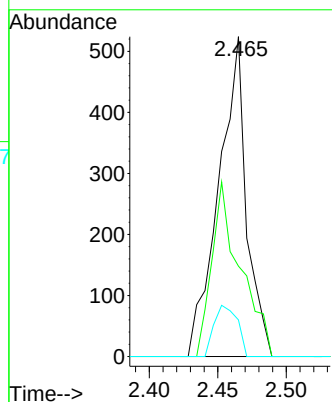


#10  
Methyl Iodide  
Concen: 0.288 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
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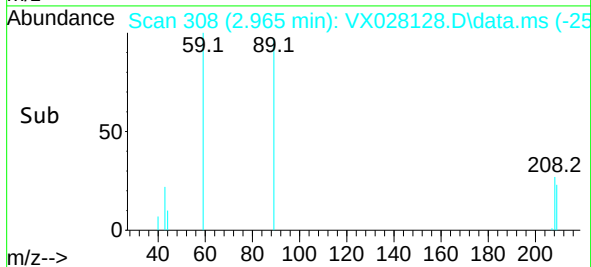
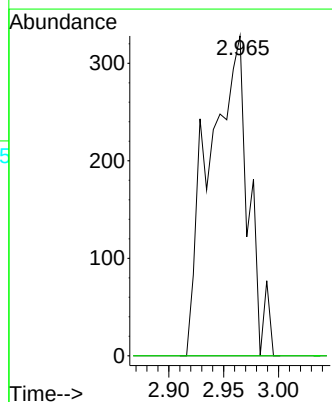
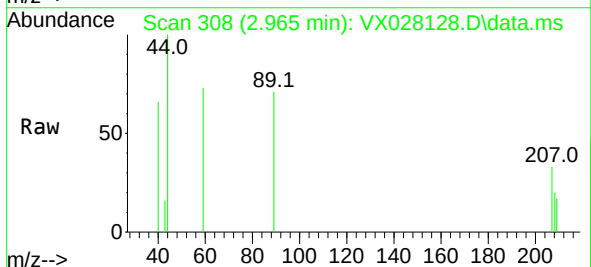


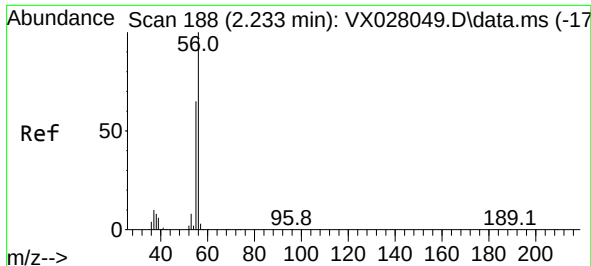
Tgt Ion:142 Resp: 740  
Ion Ratio Lower Upper  
142 100  
127 55.9 33.9 50.9#  
141 13.4 11.4 17.2



#11  
Tert butyl alcohol  
Concen: 1.177 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.000 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

Tgt Ion: 59 Resp: 812  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

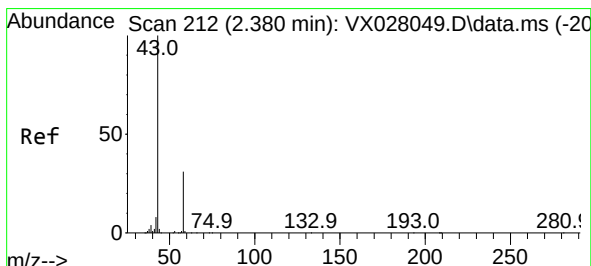
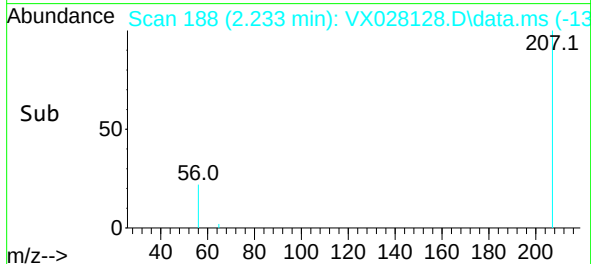
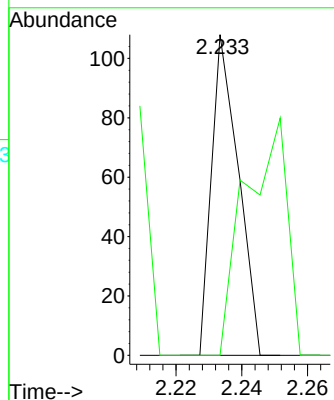
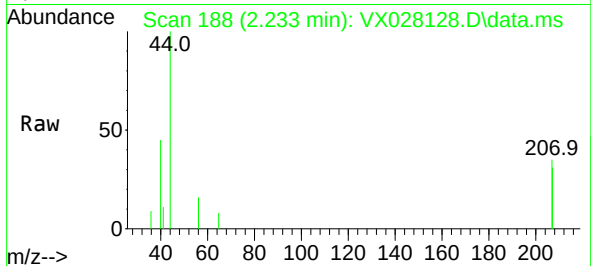




#13  
Acrolein  
Concen: Below Cal  
RT: 2.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

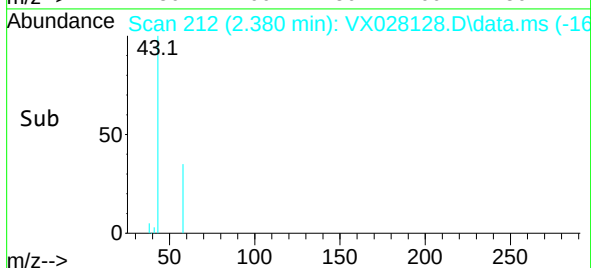
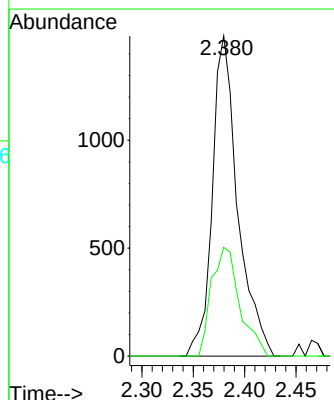
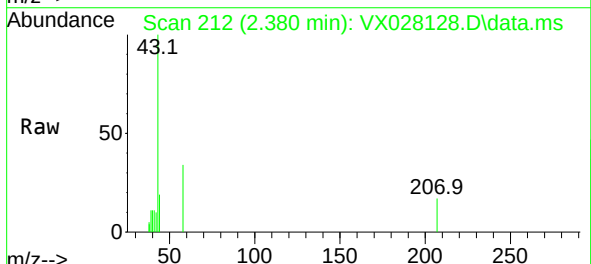
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB220414

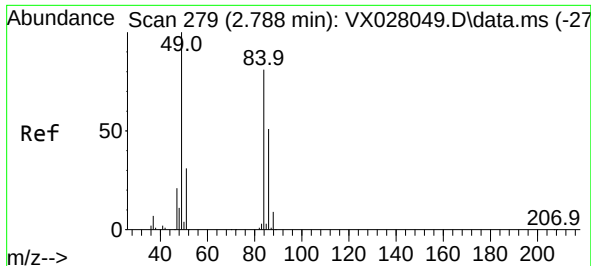
Tgt Ion: 56 Resp: 61  
Ion Ratio Lower Upper  
56 100  
55 116.4 55.0 82.6#



#16  
Acetone  
Concen: 2.055 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

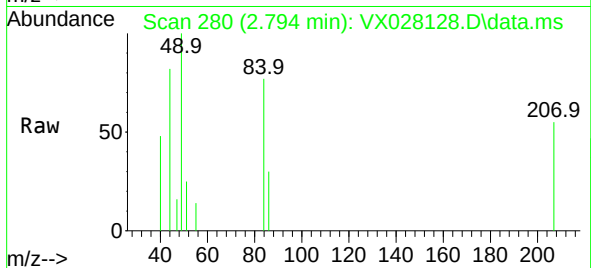
Tgt Ion: 43 Resp: 2545  
Ion Ratio Lower Upper  
43 100  
58 34.0 28.8 43.2



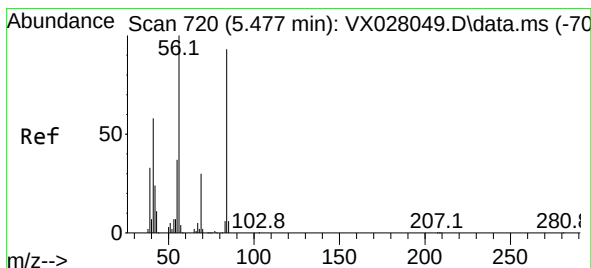
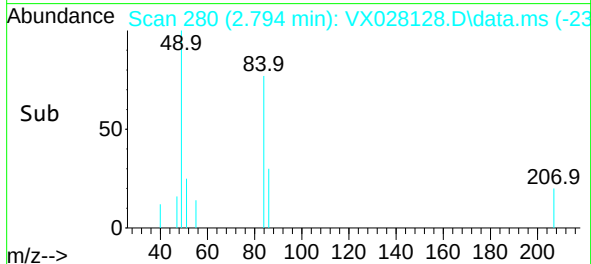
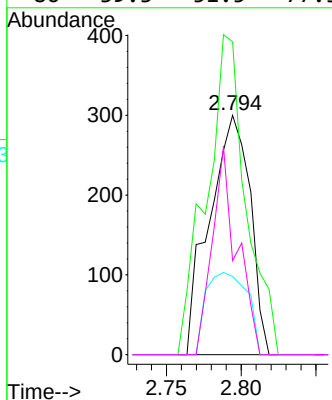


#20  
Methylene Chloride  
Concen: 0.230 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB220414

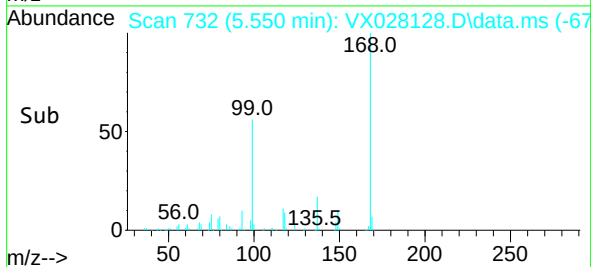
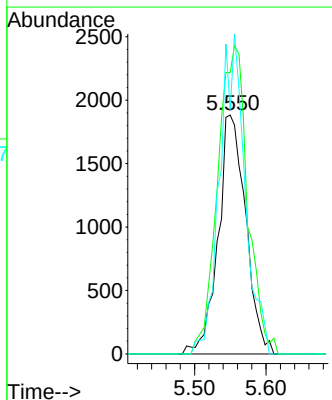
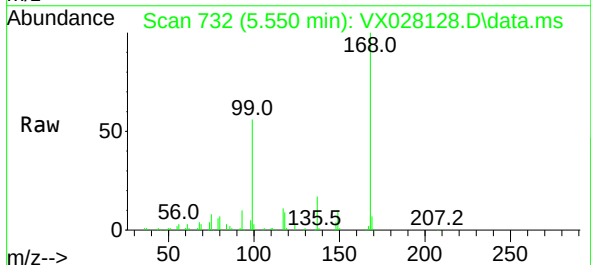


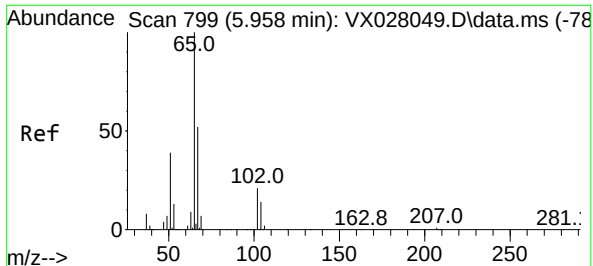
Tgt Ion: 84 Resp: 568  
Ion Ratio Lower Upper  
84 100  
49 130.7 85.5 128.3#  
51 32.7 26.6 39.8  
86 39.3 51.5 77.3#



#31  
Cyclohexane  
Concen: 1.233 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.073 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

Tgt Ion: 56 Resp: 5040  
Ion Ratio Lower Upper  
56 100  
69 117.8 26.7 40.1#  
84 102.3 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 47.995 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028128.D

Acq: 15 Apr 2022 13:17

Instrument :

MSVOA\_X

ClientSampleId :

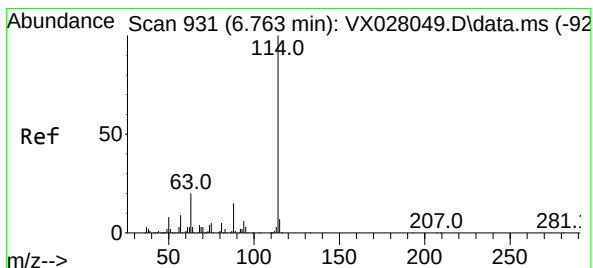
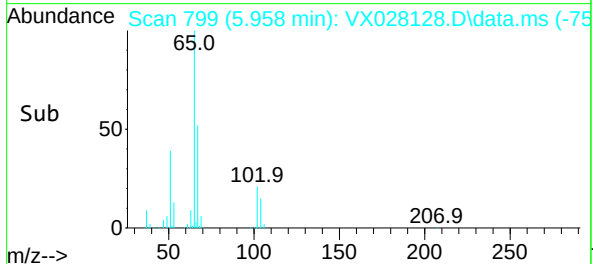
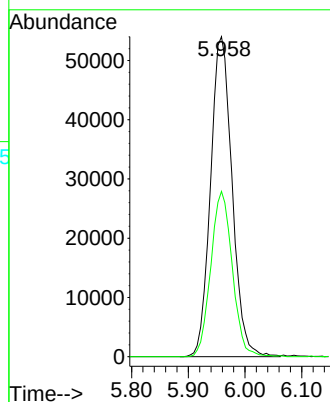
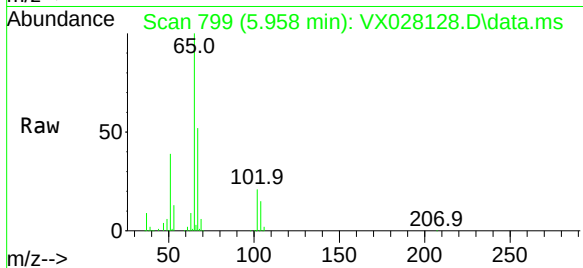
TB220414

Tgt Ion: 65 Resp: 142684

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028128.D

Acq: 15 Apr 2022 13:17

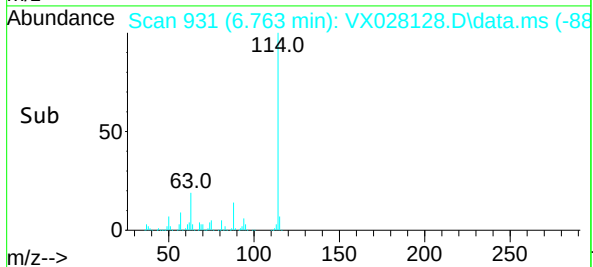
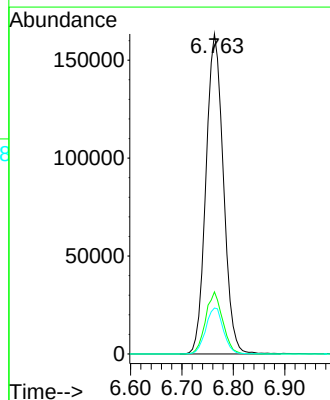
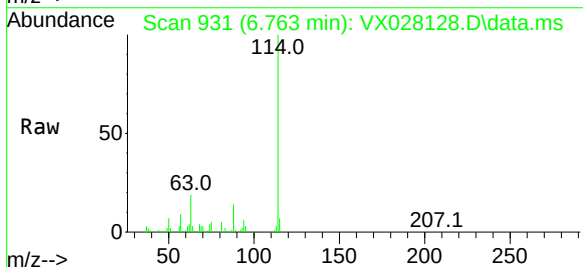
Tgt Ion: 114 Resp: 384373

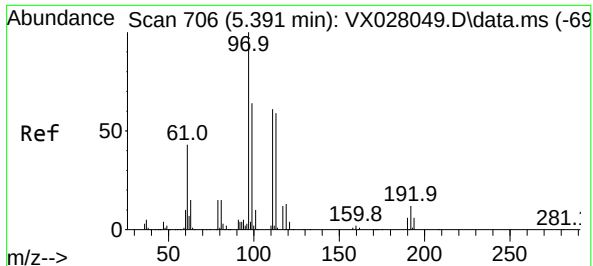
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 14.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.797 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX028128.D

Acq: 15 Apr 2022 13:17

Instrument :

MSVOA\_X

ClientSampleId :

TB220414

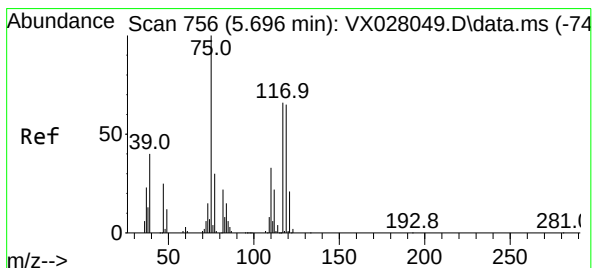
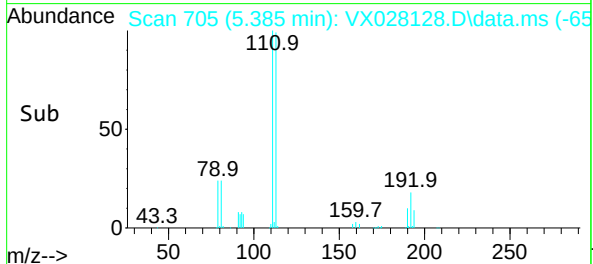
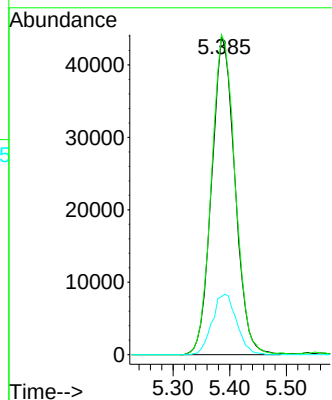
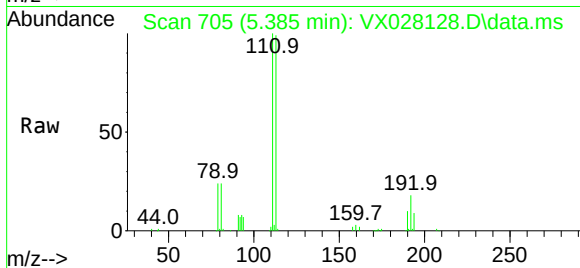
Tgt Ion:113 Resp: 125422

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.209 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028128.D

Acq: 15 Apr 2022 13:17

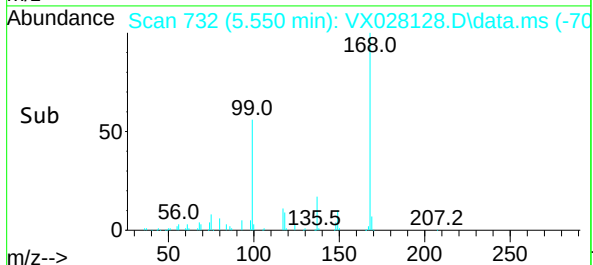
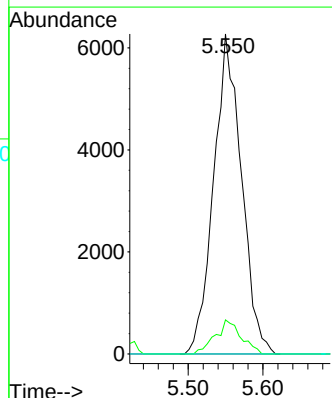
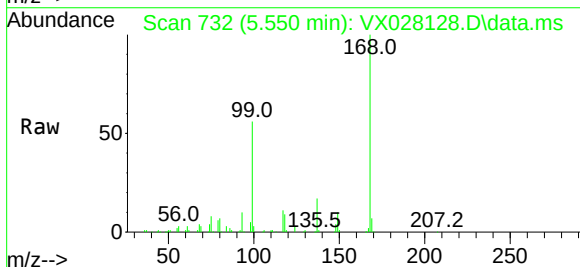
Tgt Ion: 75 Resp: 16181

Ion Ratio Lower Upper

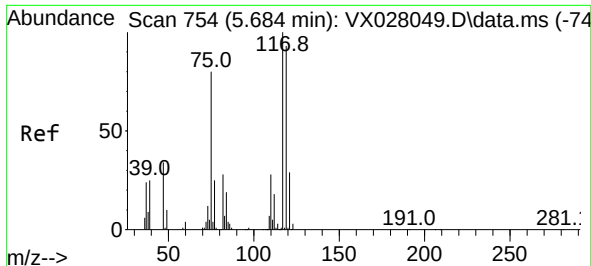
75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#



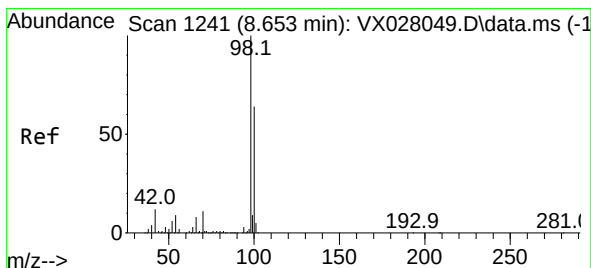
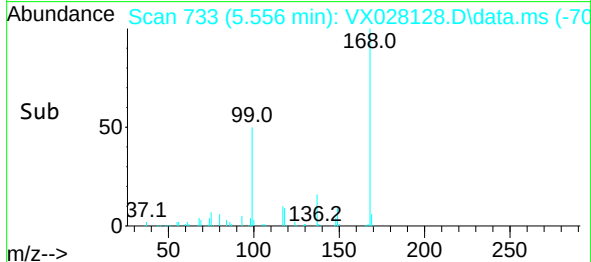
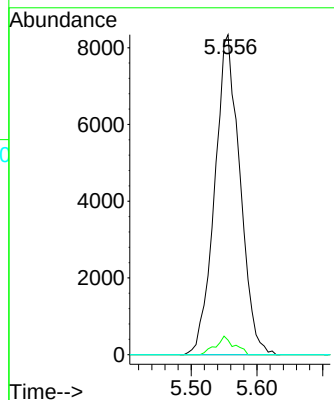
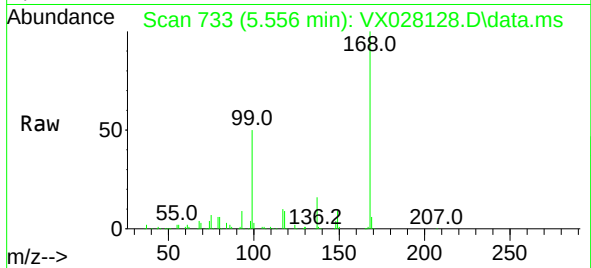




#38  
Carbon Tetrachloride  
Concen: 5.422 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

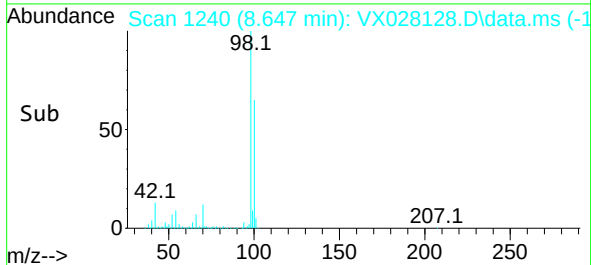
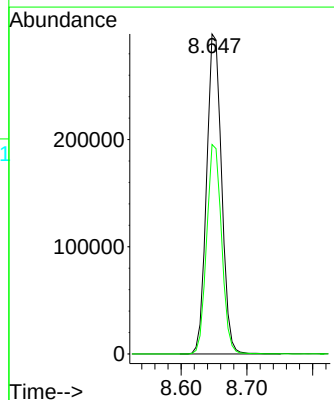
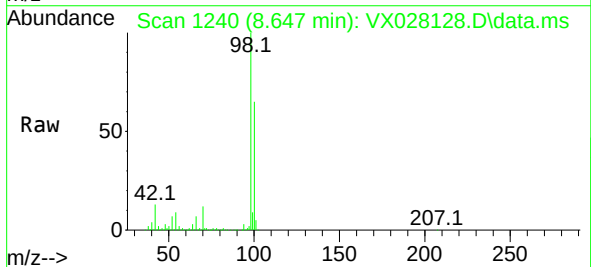
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB220414

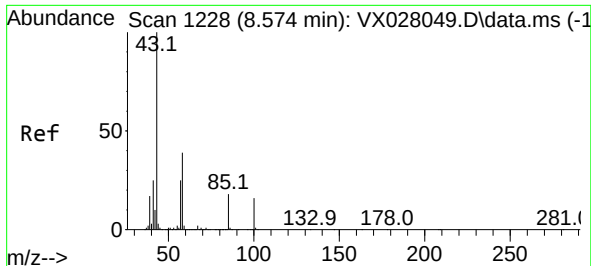
Tgt Ion:117 Resp: 22253  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 50.400 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

Tgt Ion: 98 Resp: 473435  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.504 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX028128.D

Acq: 15 Apr 2022 13:17

Instrument :

MSVOA\_X

ClientSampleId :

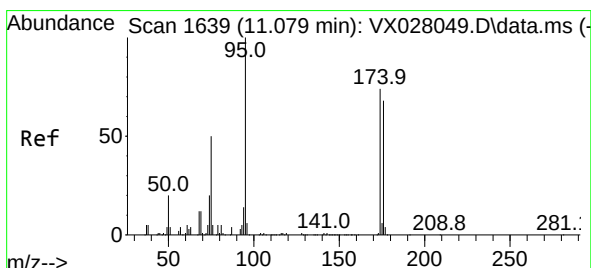
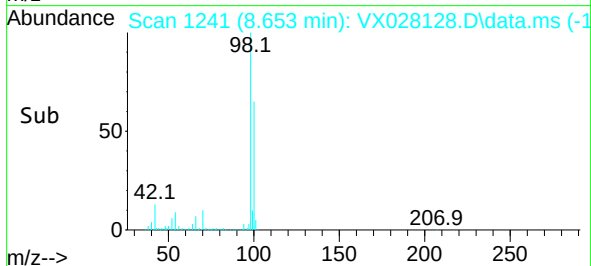
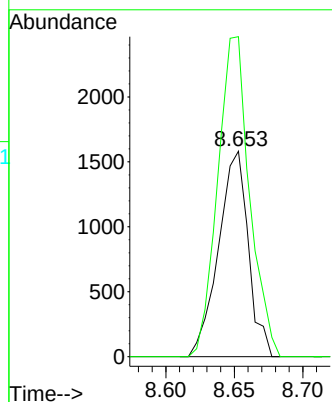
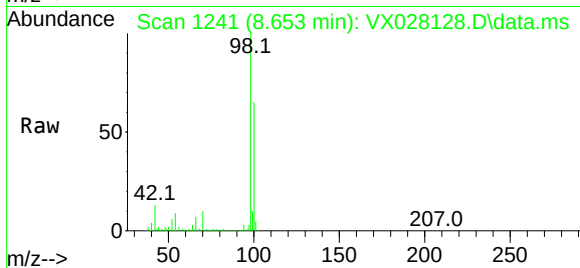
TB220414

Tgt Ion: 43 Resp: 2397

Ion Ratio Lower Upper

43 100

58 167.0 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 43.746 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028128.D

Acq: 15 Apr 2022 13:17

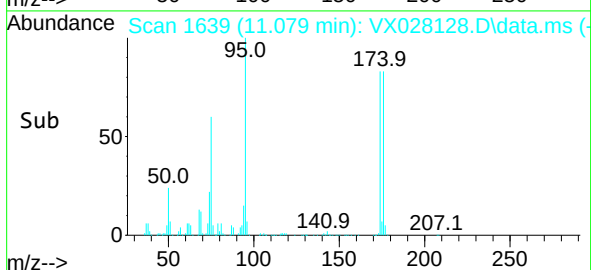
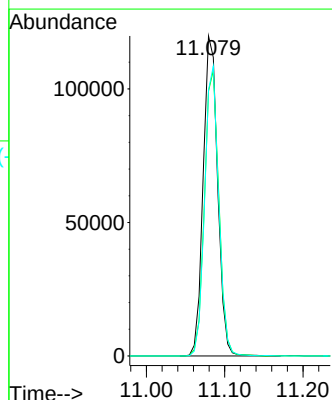
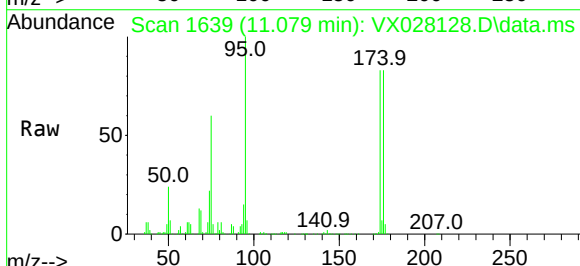
Tgt Ion: 95 Resp: 153432

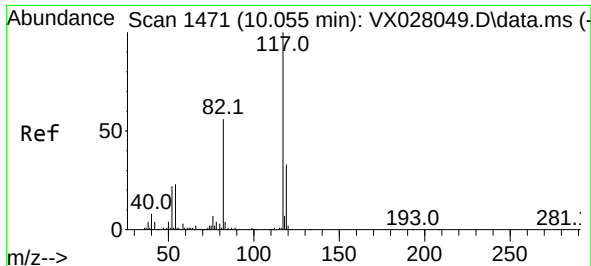
Ion Ratio Lower Upper

95 100

174 88.7 0.0 163.0

176 88.0 0.0 155.0

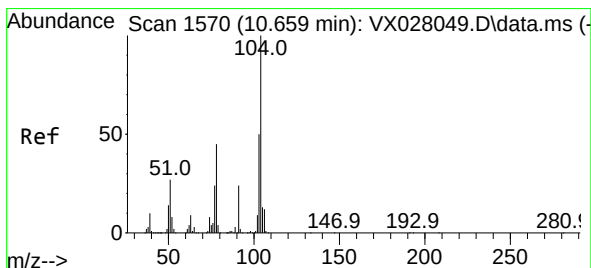
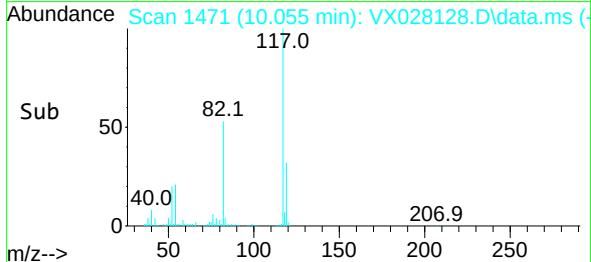
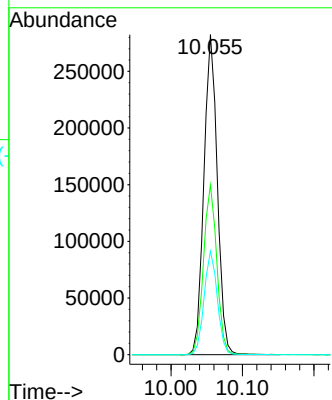
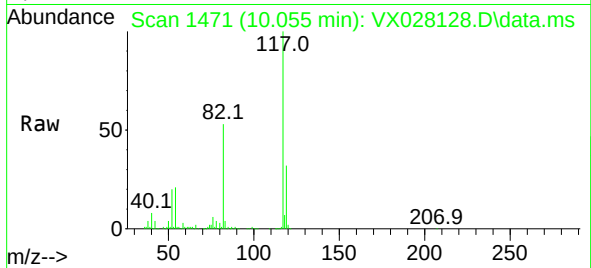




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

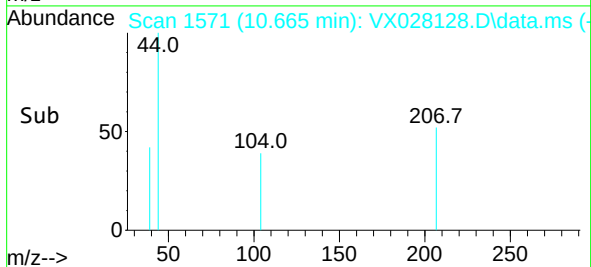
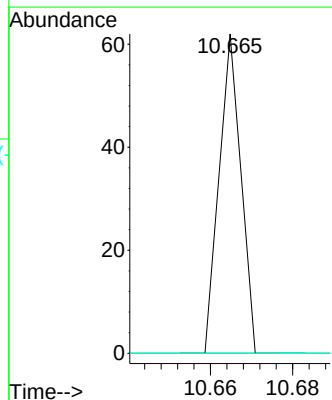
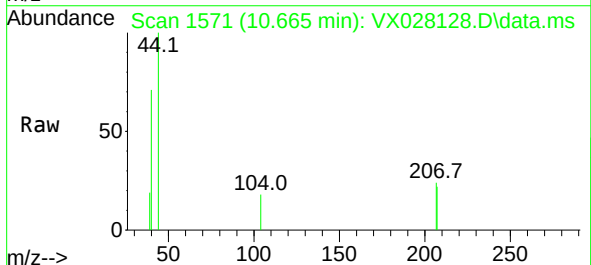
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB220414

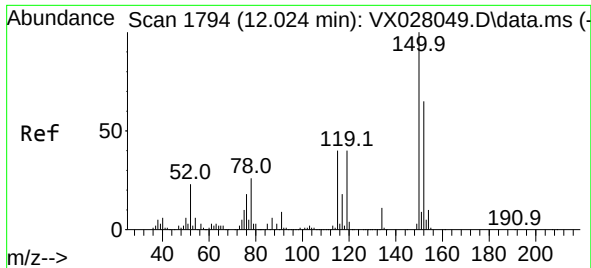
Tgt Ion:117 Resp: 368229  
Ion Ratio Lower Upper  
117 100  
82 53.1 41.8 62.8  
119 32.4 24.8 37.2



#70  
Styrene  
Concen: 4.706 ug/l  
RT: 10.665 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: VX028128.D  
Acq: 15 Apr 2022 13:17

Tgt Ion:104 Resp: 23  
Ion Ratio Lower Upper  
104 100  
78 0.0 38.6 57.8#  
103 0.0 43.8 65.8#

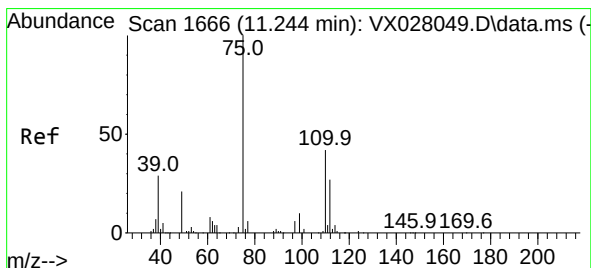
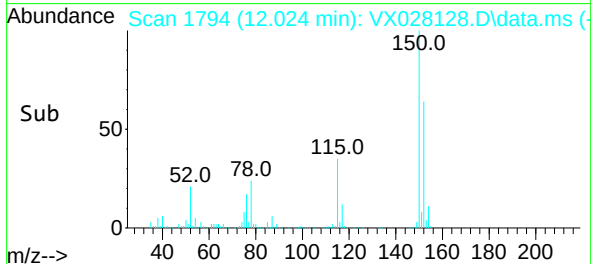
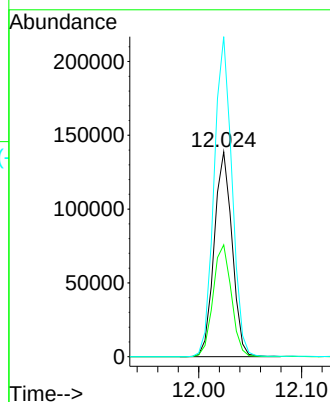
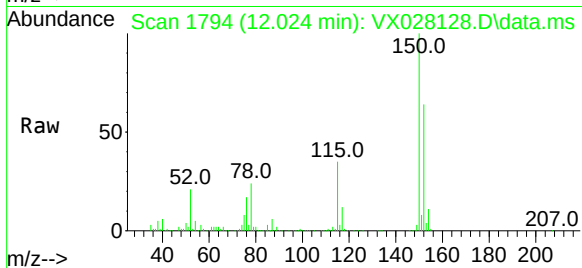




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX028128.D  
 Acq: 15 Apr 2022 13:17

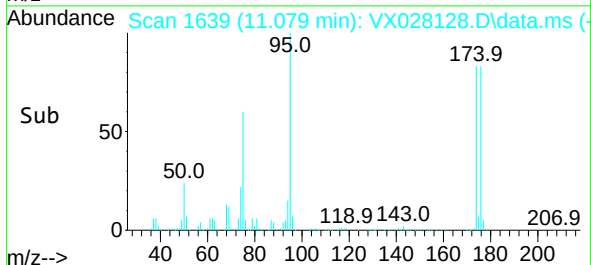
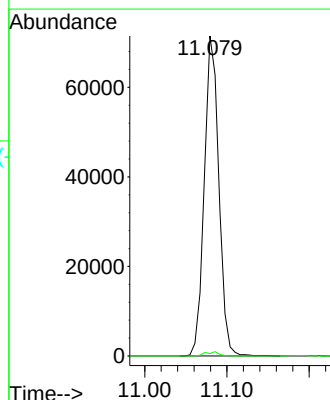
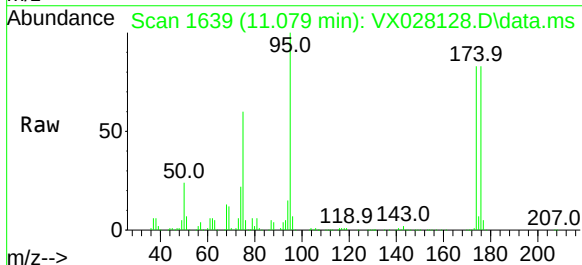
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB220414

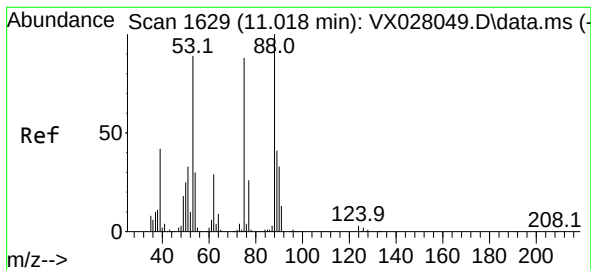
Tgt Ion:152 Resp: 168084  
 Ion Ratio Lower Upper  
 152 100  
 115 55.8 37.5 112.7  
 150 156.2 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 23.474 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX028128.D  
 Acq: 15 Apr 2022 13:17

Tgt Ion: 75 Resp: 87840  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.115 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX028128.D  
 Acq: 15 Apr 2022 13:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB220414

Tgt Ion: 75 Resp: 87840  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.1 37.0 55.6#

