

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053122\  
 Data File : VX029102.D  
 Acq On : 01 Jun 2022 02:17  
 Operator : JC/MD  
 Sample : N3022-08 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 15BR-20220525

Quant Time: Jun 01 05:04:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 Response via : Initial Calibration

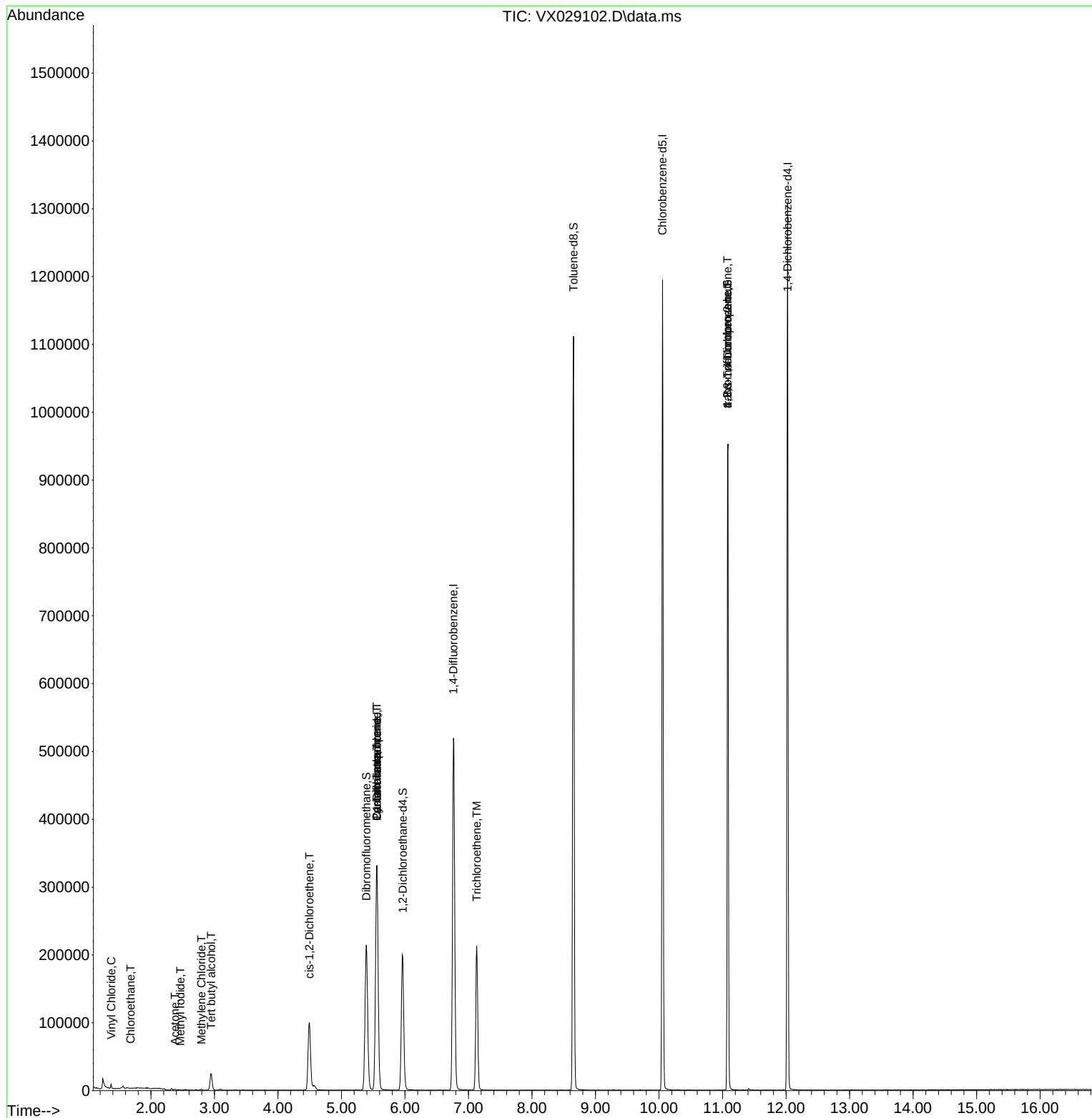
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 331146   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 574211   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 564542   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 282495   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65    | 195081   | 52.243    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery  | = 104.480% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 190689   | 49.997    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery  | = 100.000% |          |
| 50) Toluene-d8                | 8.653     | 98    | 678594   | 48.646    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery  | = 97.300%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 268964   | 49.880    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery  | = 99.760%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 4) Vinyl Chloride             | 1.374     | 62    | 3851     | 1.162     | ug/l       | 97       |
| 5) Bromomethane               | 1.617     | 94    | 659      | Below Cal |            | 86       |
| 6) Chloroethane               | 1.678     | 64    | 373      | 1.530     | ug/l #     | 43       |
| 10) Methyl Iodide             | 2.465     | 142   | 225      | 4.282     | ug/l #     | 83       |
| 11) Tert butyl alcohol        | 2.946     | 59    | 13790    | 15.942    | ug/l #     | 75       |
| 16) Acetone                   | 2.380     | 43    | 1358     | 0.924     | ug/l       | 97       |
| 20) Methylene Chloride        | 2.794     | 84    | 711      | 0.207     | ug/l #     | 67       |
| 27) cis-1,2-Dichloroethene    | 4.495     | 96    | 69911    | 17.410    | ug/l       | 85       |
| 31) Cyclohexane               | 5.556     | 56    | 5042     | 1.039     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 22979    | 4.682     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 32750    | 5.839     | ug/l #     | 17       |
| 44) Trichloroethene           | 7.129     | 130   | 88968    | 20.229    | ug/l       | 99       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 123881   | 21.632    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 123881   | 63.465    | ug/l #     | 15       |
| -----                         |           |       |          |           |            |          |

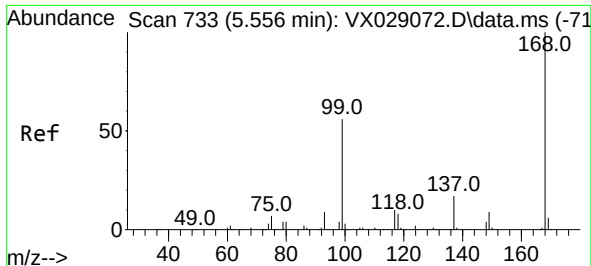
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 01 05:04:54 2022  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 01 04:45:42 2022  
Response via : Initial Calibration

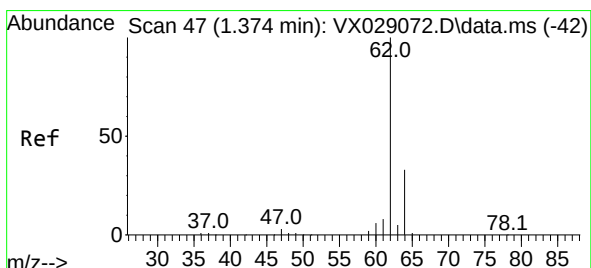
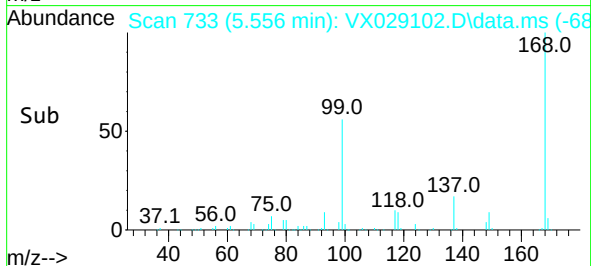
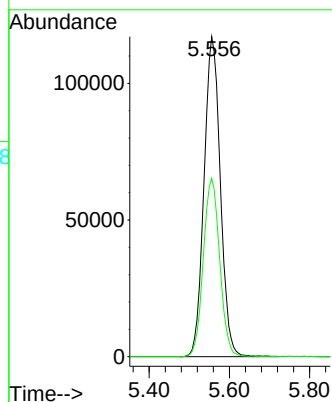
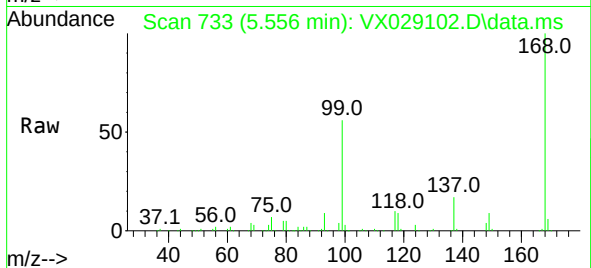




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

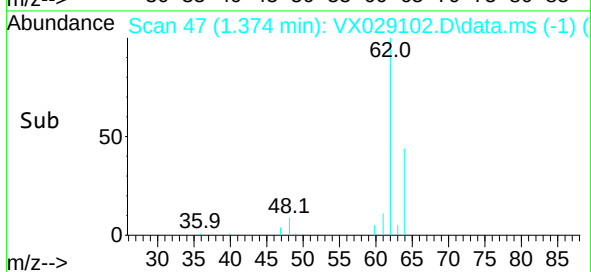
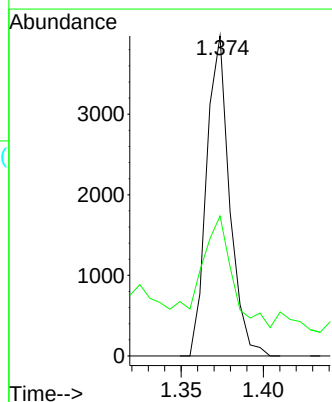
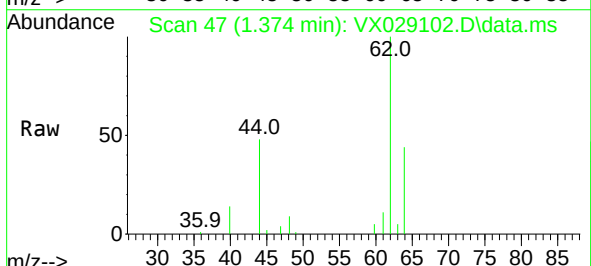
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

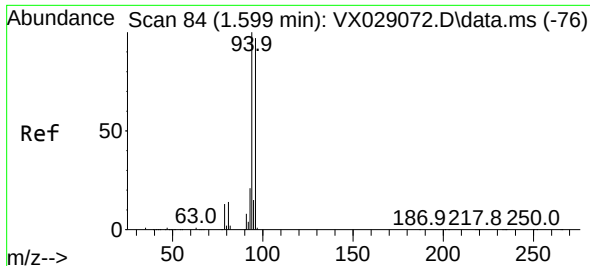
Tgt Ion:168 Resp: 331146  
Ion Ratio Lower Upper  
168 100  
99 55.8 41.7 62.5



#4  
Vinyl Chloride  
Concen: 1.162 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion: 62 Resp: 3851  
Ion Ratio Lower Upper  
62 100  
64 30.0 25.5 38.3

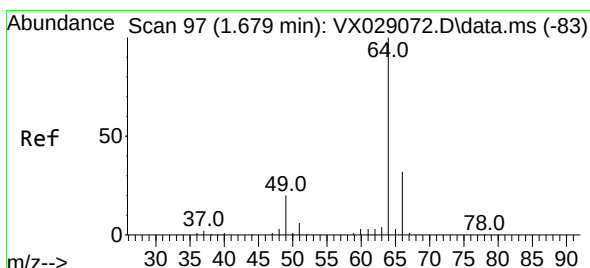
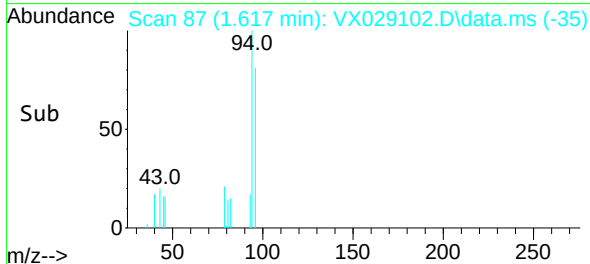
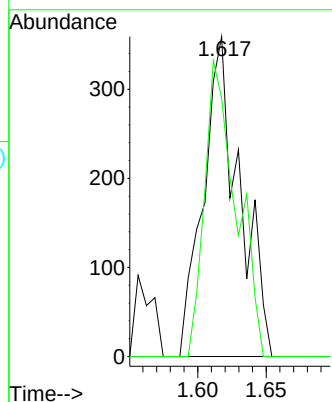
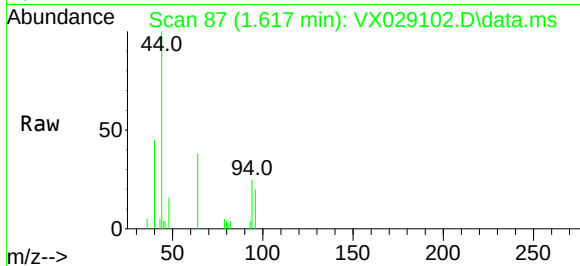




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.617 min Scan# 81  
Delta R.T. 0.018 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

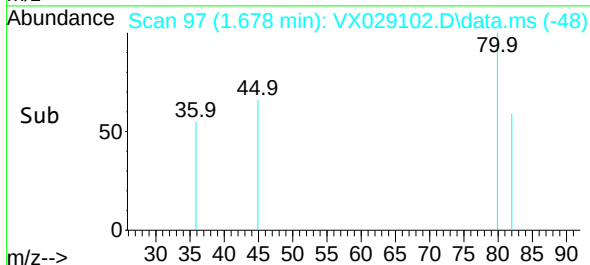
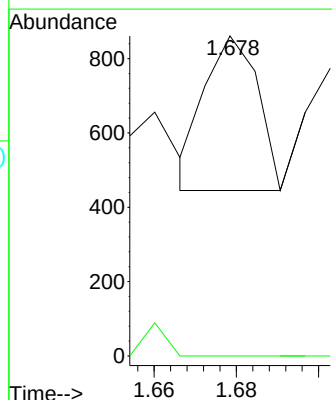
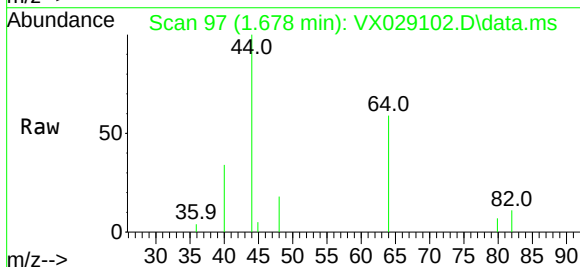
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

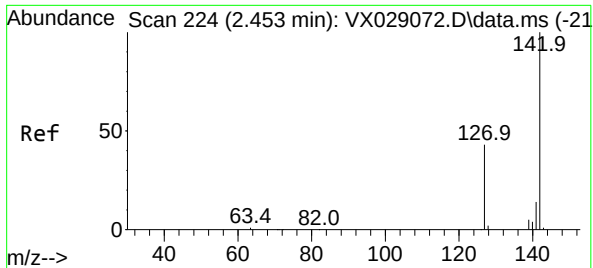
Tgt Ion: 94 Resp: 659  
Ion Ratio Lower Upper  
94 100  
96 80.8 75.3 112.9



#6  
Chloroethane  
Concen: 1.530 ug/l  
RT: 1.678 min Scan# 97  
Delta R.T. -0.001 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion: 64 Resp: 373  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#

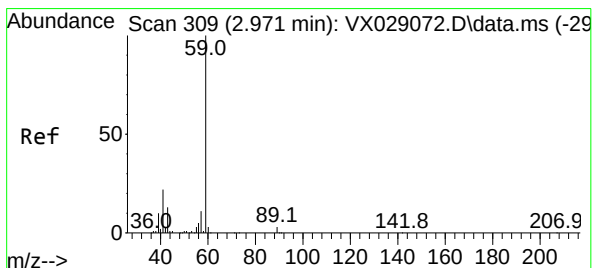
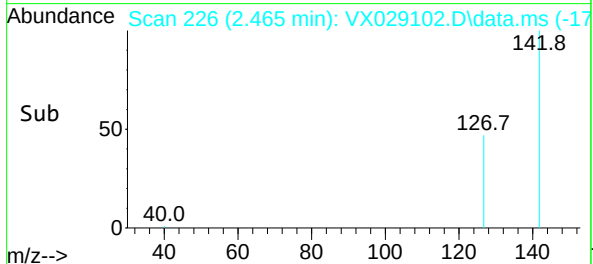
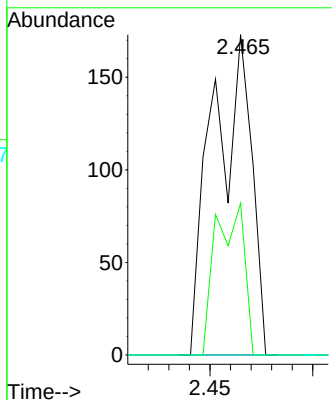
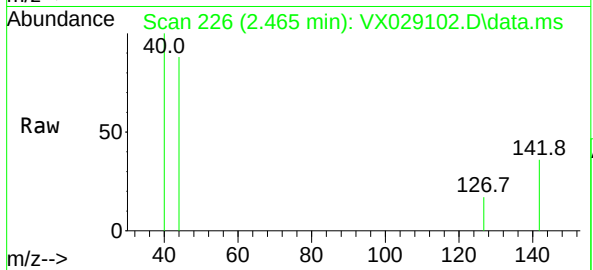




#10  
Methyl Iodide  
Concen: 4.282 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

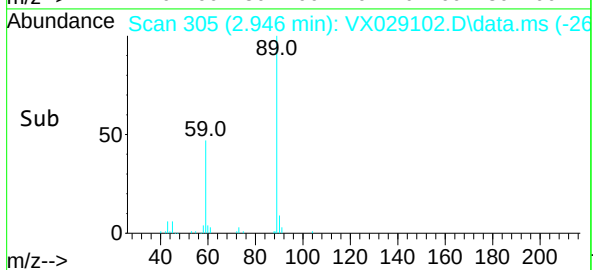
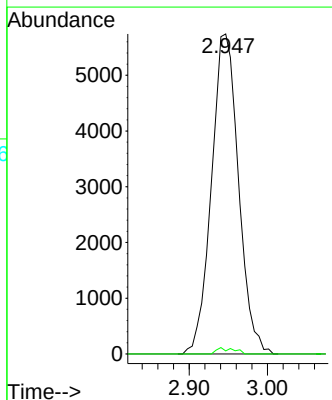
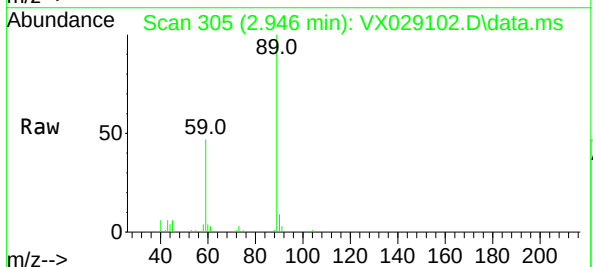
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

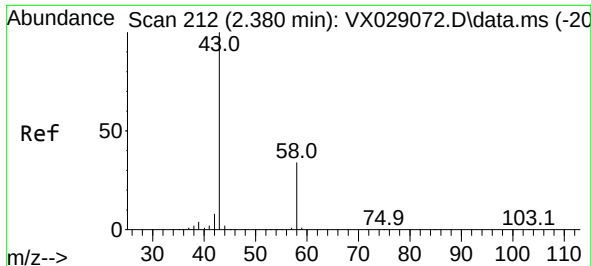
Tgt Ion:142 Resp: 225  
Ion Ratio Lower Upper  
142 100  
127 35.1 33.9 50.9  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 15.942 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.025 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion: 59 Resp: 13790  
Ion Ratio Lower Upper  
59 100  
57 1.2 8.3 12.5#

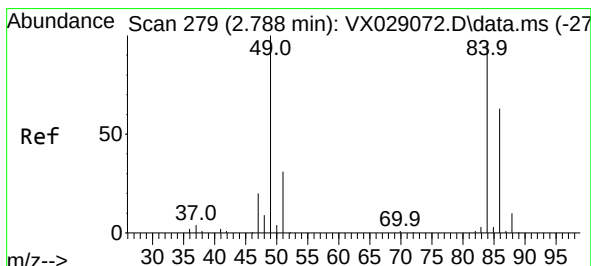
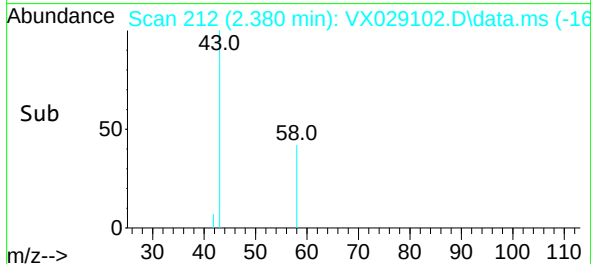
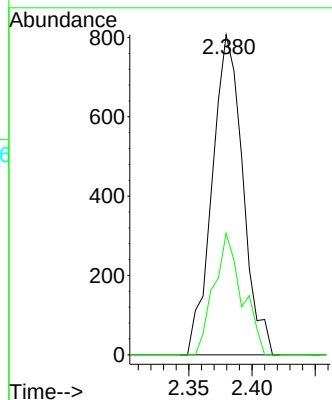
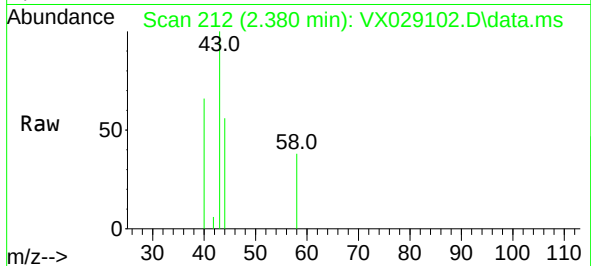




#16  
Acetone  
Concen: 0.924 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

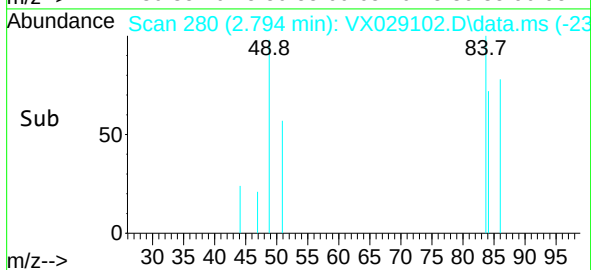
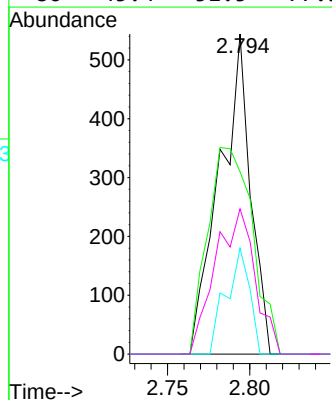
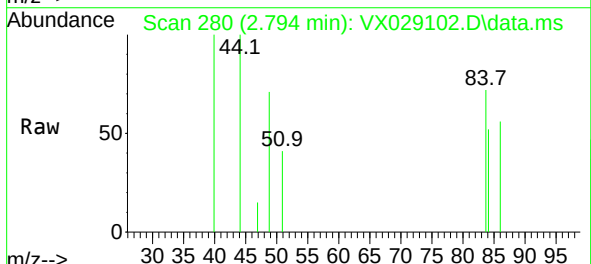
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MSVOA\_X  
ClientSampleId :  
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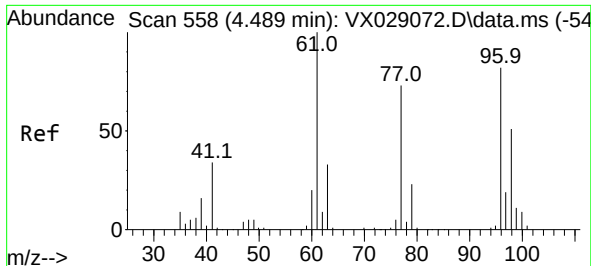
Tgt Ion: 43 Resp: 1358  
Ion Ratio Lower Upper  
43 100  
58 37.9 28.8 43.2



#20  
Methylene Chloride  
Concen: 0.207 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion: 84 Resp: 711  
Ion Ratio Lower Upper  
84 100  
49 57.0 85.5 128.3#  
51 33.1 26.6 39.8  
86 45.4 51.5 77.3#

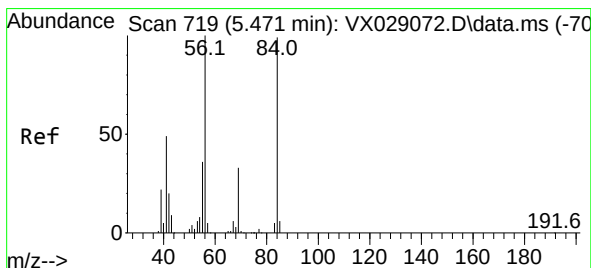
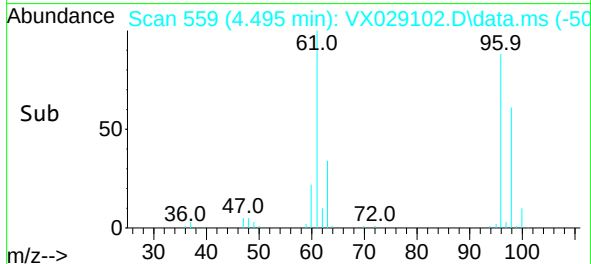
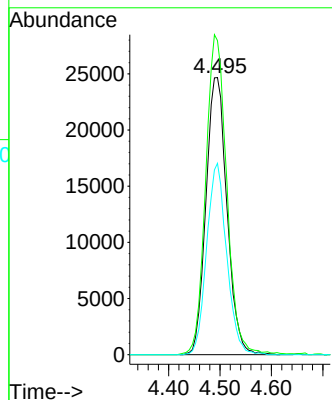
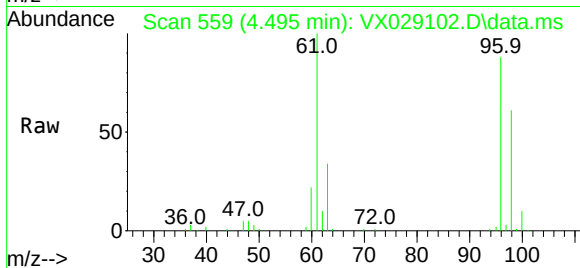




#27  
 cis-1,2-Dichloroethene  
 Concen: 17.410 ug/l  
 RT: 4.495 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VX029102.D  
 Acq: 01 Jun 2022 02:17

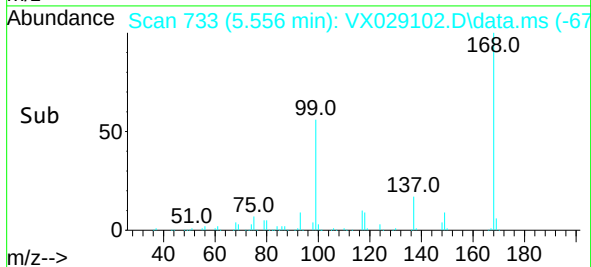
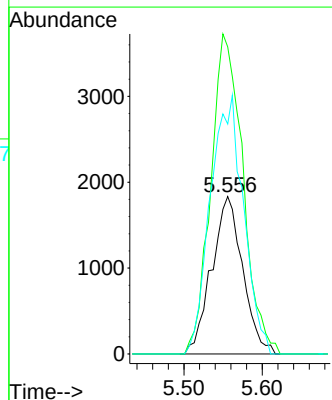
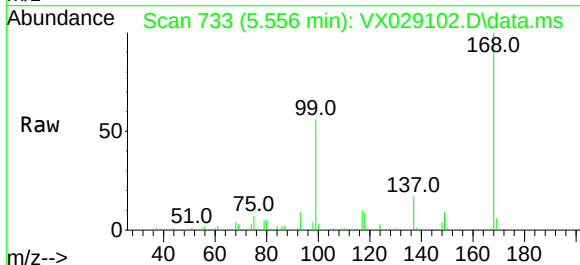
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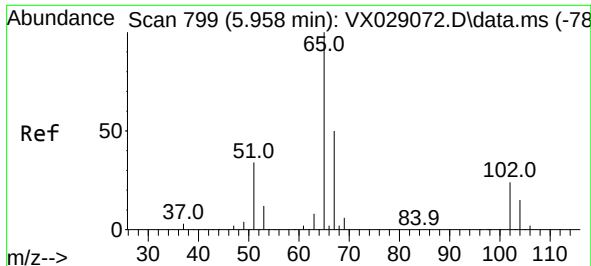
Tgt Ion: 96 Resp: 69911  
 Ion Ratio Lower Upper  
 96 100  
 61 115.8 0.0 283.8  
 98 65.9 0.0 129.8



#31  
 Cyclohexane  
 Concen: 1.039 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. 0.085 min  
 Lab File: VX029102.D  
 Acq: 01 Jun 2022 02:17

Tgt Ion: 56 Resp: 5042  
 Ion Ratio Lower Upper  
 56 100  
 69 195.1 26.7 40.1#  
 84 146.1 77.2 115.8#

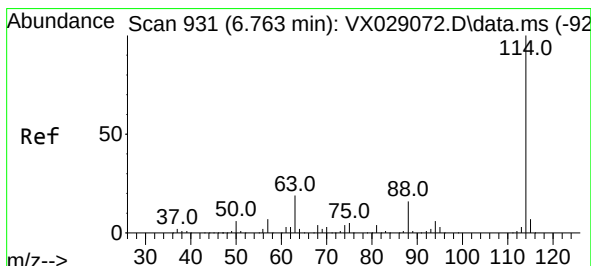
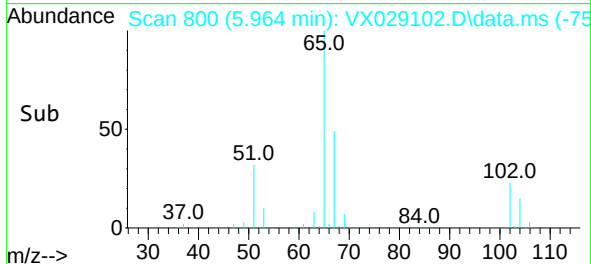
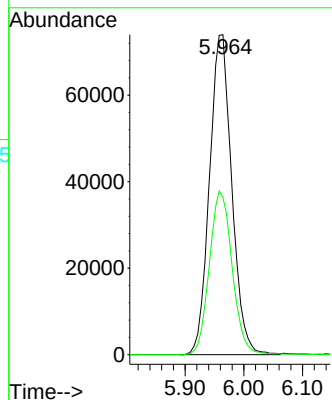
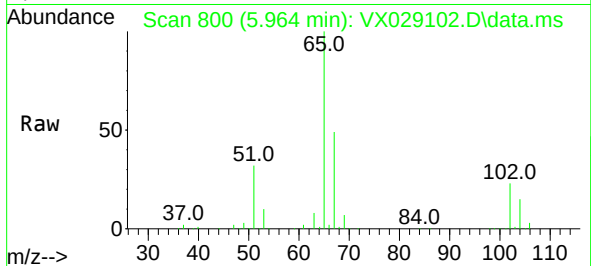




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.243 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. 0.006 min  
 Lab File: VX029102.D  
 Acq: 01 Jun 2022 02:17

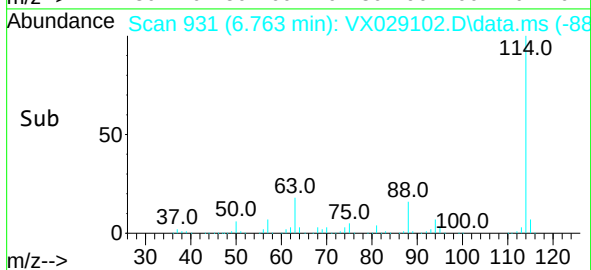
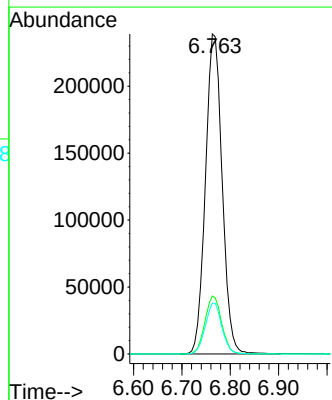
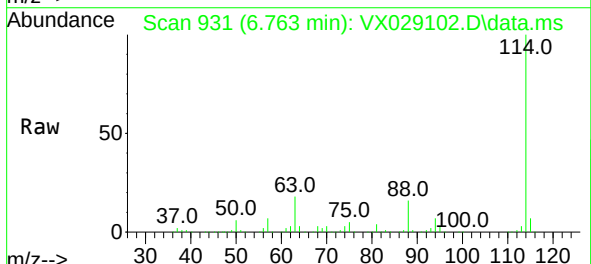
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Tgt Ion: 65 Resp: 195081  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 107.4

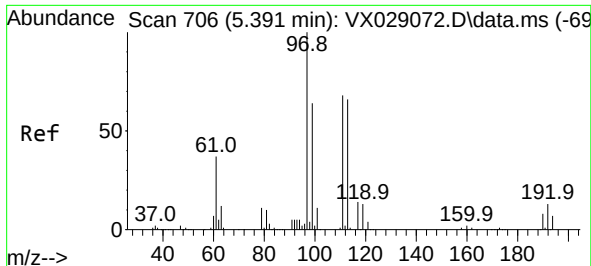


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX029102.D  
 Acq: 01 Jun 2022 02:17

Tgt Ion: 114 Resp: 574211  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 36.8  
 88 15.9 0.0 32.4



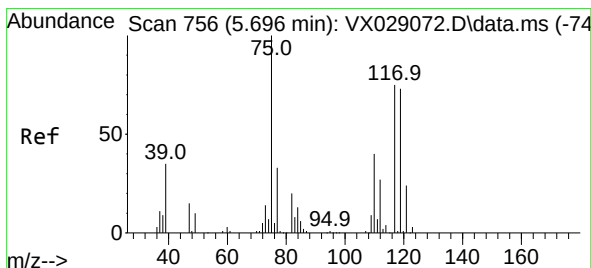
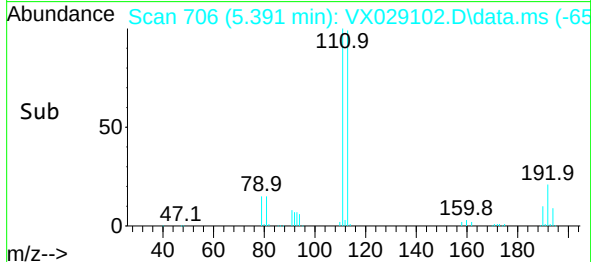
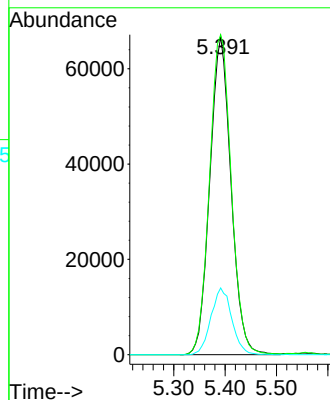
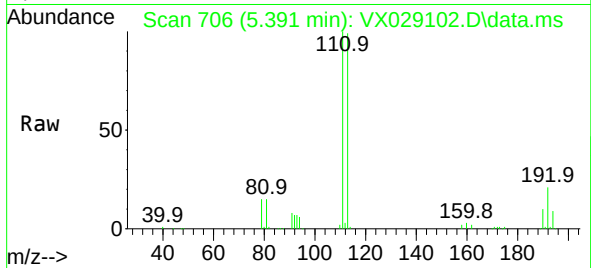




#35  
Dibromofluoromethane  
Concen: 49.997 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

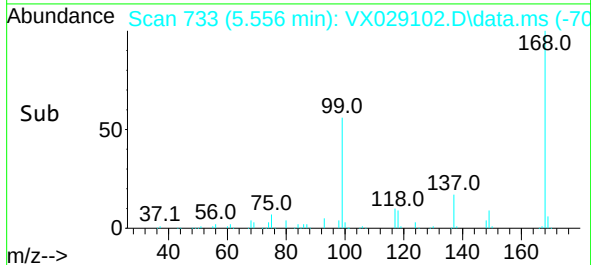
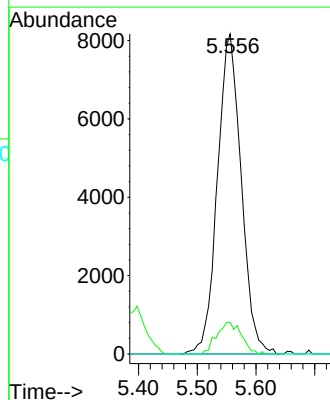
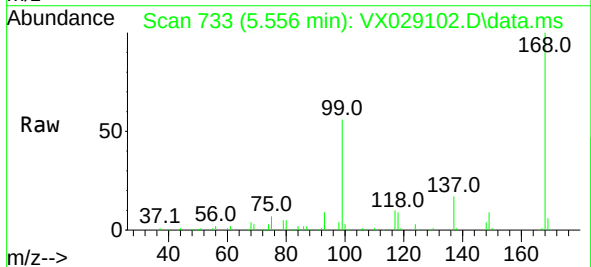
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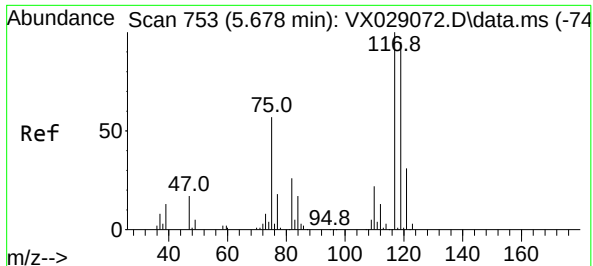
Tgt Ion:113 Resp: 190689  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.8 124.2  
192 20.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.682 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

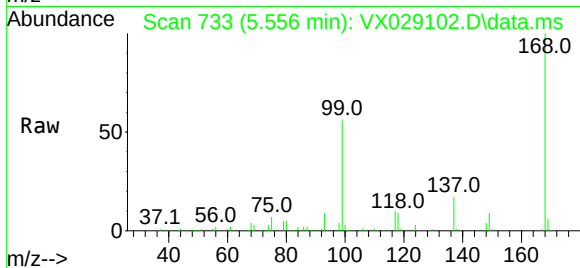
Tgt Ion: 75 Resp: 22979  
Ion Ratio Lower Upper  
75 100  
110 10.3 18.3 54.8#  
77 0.0 24.8 37.2#



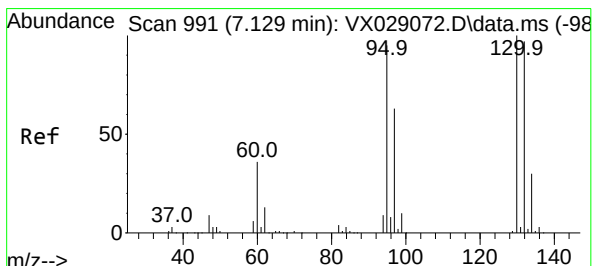
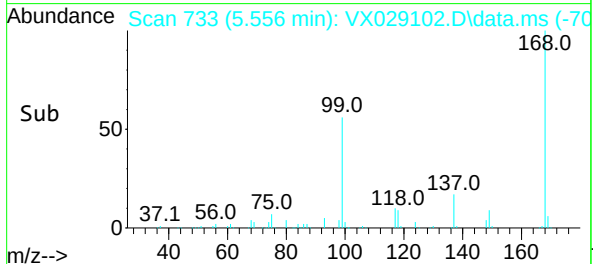
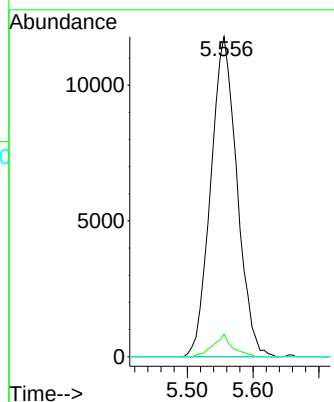


#38  
Carbon Tetrachloride  
Concen: 5.839 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

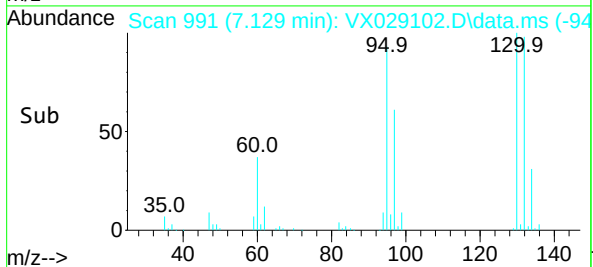
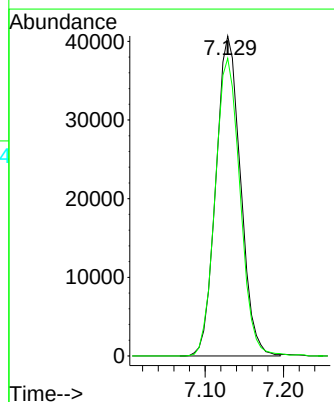
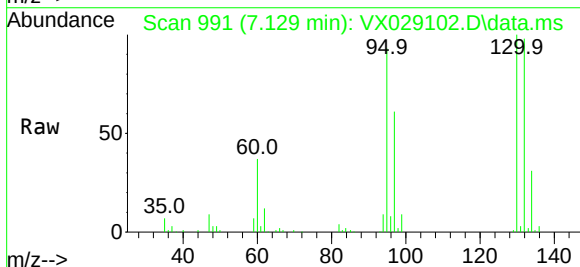


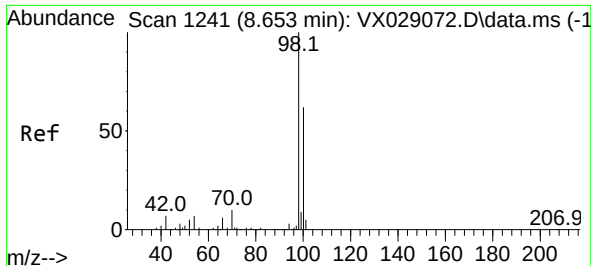
Tgt Ion:117 Resp: 32750  
Ion Ratio Lower Upper  
117 100  
119 7.0 77.3 115.9#  
121 0.0 24.2 36.2#



#44  
Trichloroethene  
Concen: 20.229 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion:130 Resp: 88968  
Ion Ratio Lower Upper  
130 100  
95 93.0 0.0 188.8

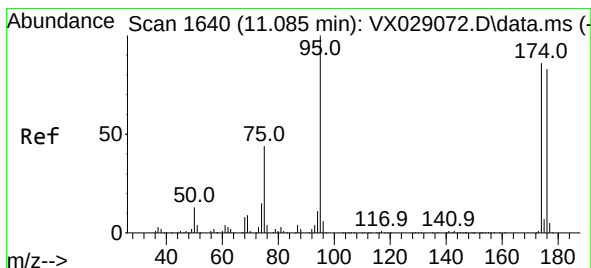
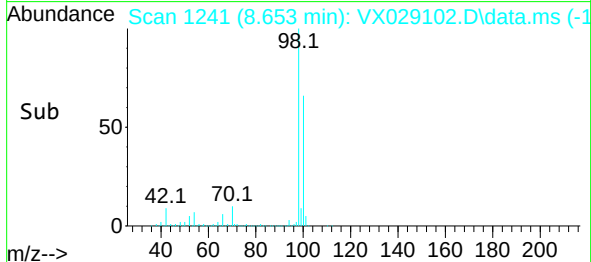
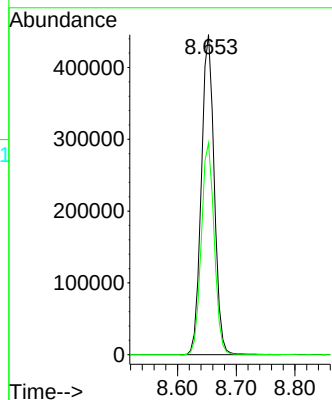
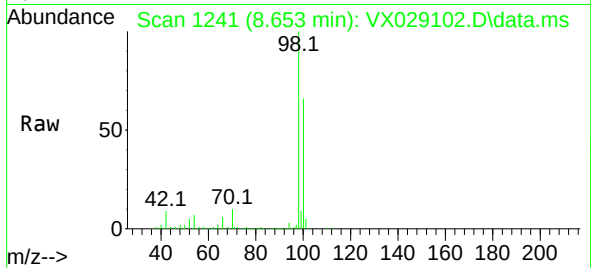




#50  
Toluene-d8  
Concen: 48.646 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

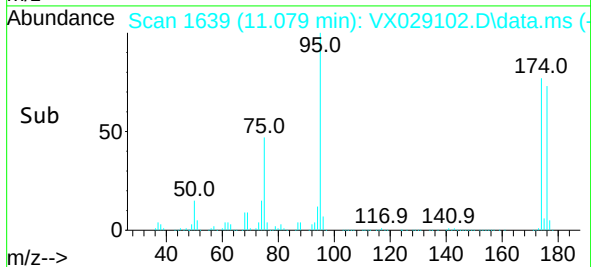
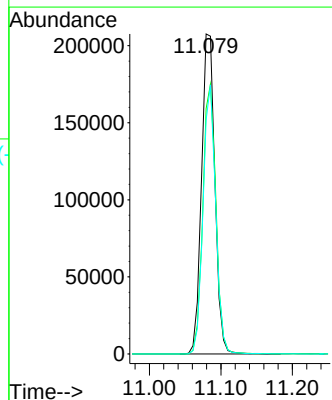
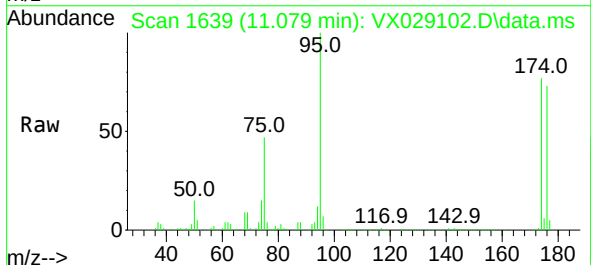
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

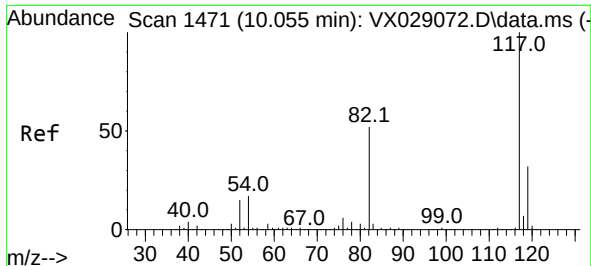
Tgt Ion: 98 Resp: 678594  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 49.880 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion: 95 Resp: 268964  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 163.0  
176 79.8 0.0 155.0

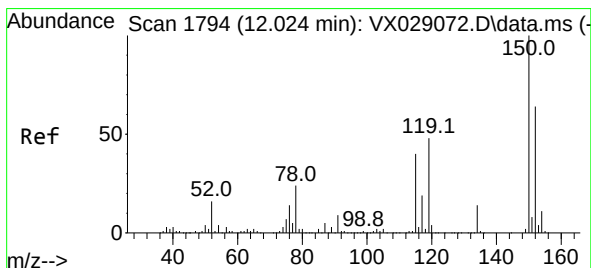
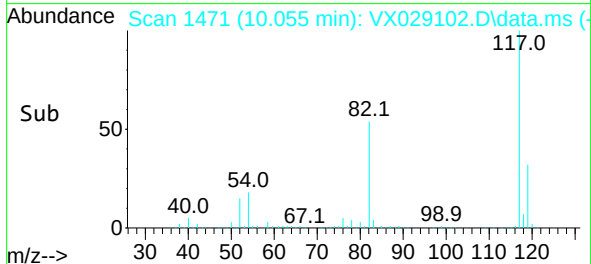
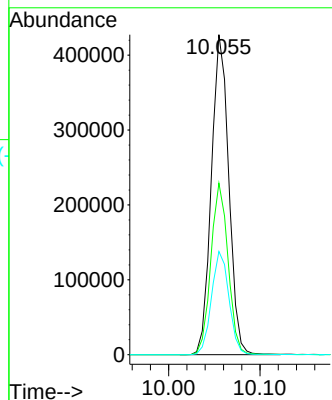
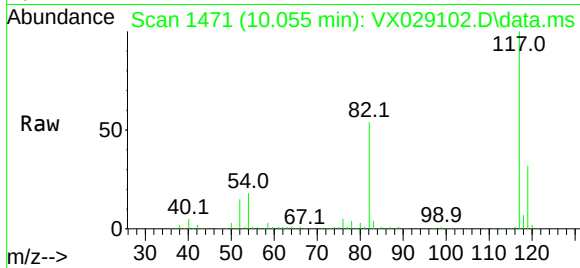




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

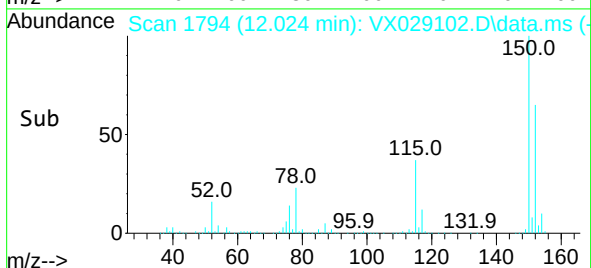
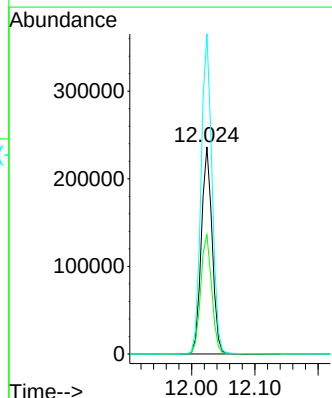
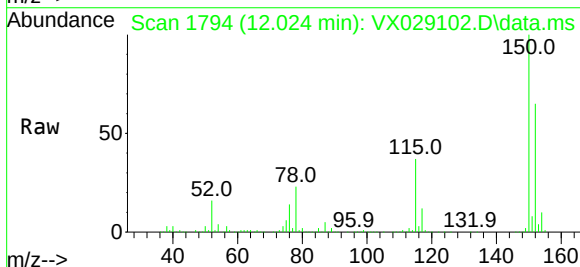
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

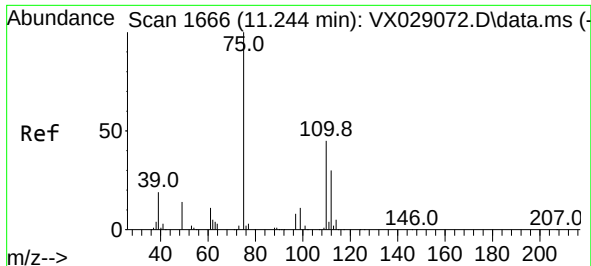
Tgt Ion:117 Resp: 564542  
Ion Ratio Lower Upper  
117 100  
82 53.6 41.8 62.8  
119 32.2 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion:152 Resp: 282495  
Ion Ratio Lower Upper  
152 100  
115 58.6 37.5 112.7  
150 155.7 0.0 338.2

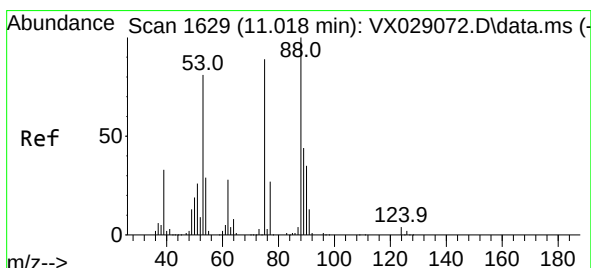
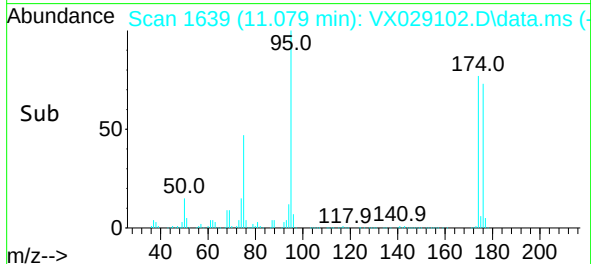
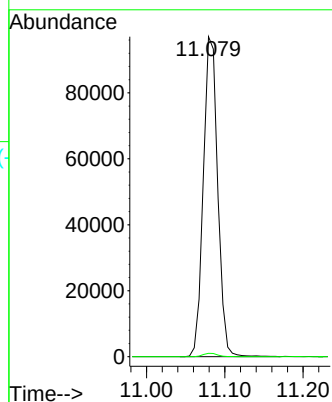
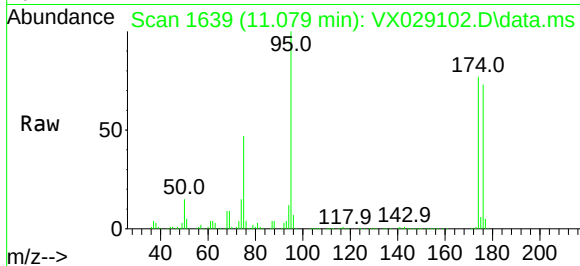




#76  
1,2,3-Trichloropropane  
Concen: 21.632 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20220525

Tgt Ion: 75 Resp: 123881  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.465 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX029102.D  
Acq: 01 Jun 2022 02:17

Tgt Ion: 75 Resp: 123881  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

