

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083022\  
 Data File : VX030943.D  
 Acq On : 30 Aug 2022 16:58  
 Operator : JC/MD  
 Sample : VX0830MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0830MBL01

Quant Time: Sep 06 01:12:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 30 14:24:53 2022  
 Response via : Initial Calibration

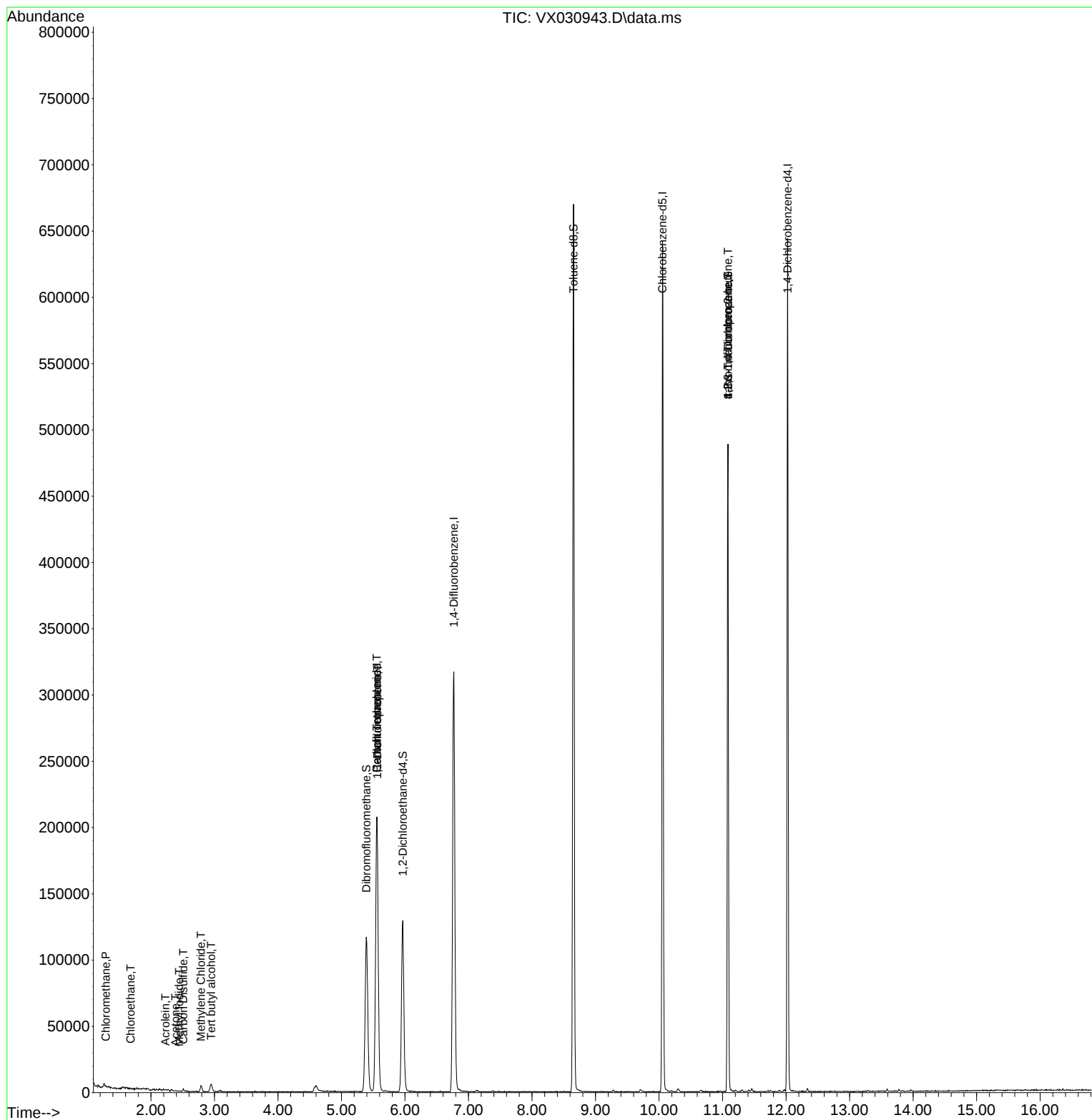
| Compound                      | R.T.           | QIon | Response   | Conc          | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------------|-------|----------|
| -----                         |                |      |            |               |       |          |
| Internal Standards            |                |      |            |               |       |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 198579     | 50.000        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 342323     | 50.000        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 299154     | 50.000        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 137064     | 50.000        | ug/l  | 0.00     |
|                               |                |      |            |               |       |          |
| System Monitoring Compounds   |                |      |            |               |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 121619     | 42.700        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 85.400%       |       |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 105724     | 41.897        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 83.800%       |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 404378     | 43.271        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 86.540%       |       |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 133192     | 40.023        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 80.040%#      |       |          |
|                               |                |      |            |               |       |          |
| Target Compounds              |                |      | Qvalue     |               |       |          |
| 3) Chloromethane              | 1.288          | 50   | 432        | 0.204 ug/l #  | 65    |          |
| 5) Bromomethane               | 1.611          | 94   | 397        | Below Cal     | 99    |          |
| 6) Chloroethane               | 1.678          | 64   | 317        | 0.211 ug/l #  | 41    |          |
| 10) Methyl Iodide             | 2.447          | 142  | 211        | 4.461 ug/l #  | 80    |          |
| 11) Tert butyl alcohol        | 2.947          | 59   | 3684       | 5.459 ug/l #  | 74    |          |
| 13) Acrolein                  | 2.227          | 56   | 82         | 7.506 ug/l #  | 69    |          |
| 16) Acetone                   | 2.386          | 43   | 810        | 0.630 ug/l #  | 62    |          |
| 17) Carbon Disulfide          | 2.508          | 76   | 1847       | 0.290 ug/l    | 98    |          |
| 20) Methylene Chloride        | 2.788          | 84   | 2471       | 0.845 ug/l #  | 89    |          |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 15217      | 4.057 ug/l #  | 49    |          |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 19871      | 5.565 ug/l #  | 17    |          |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 64806      | 19.205 ug/l # | 38    |          |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 64806      | 57.101 ug/l # | 12    |          |
| -----                         |                |      |            |               |       |          |

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

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Sample : VX0830MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

Quant Time: Sep 06 01:12:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X083022W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 30 14:24:53 2022  
Response via : Initial Calibration

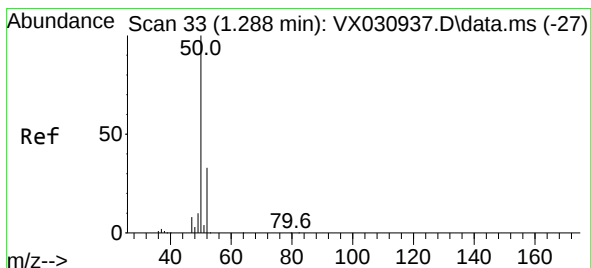
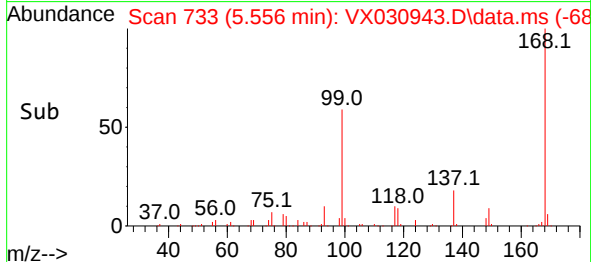
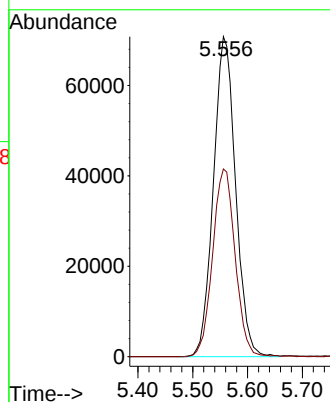
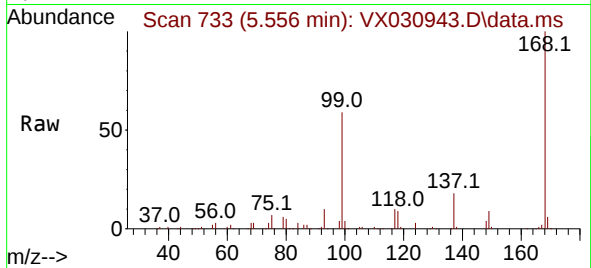




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

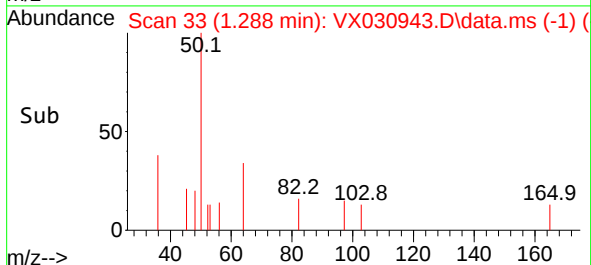
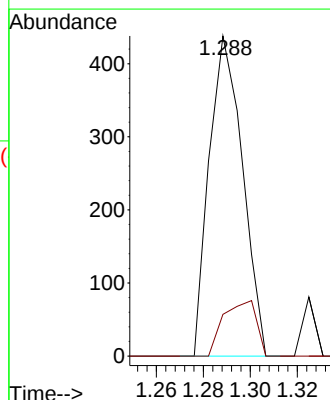
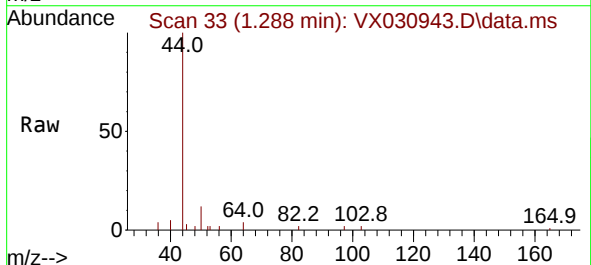
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

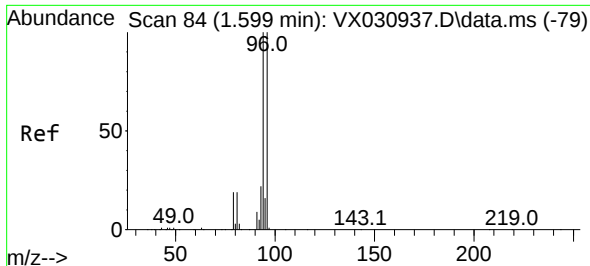
Tgt Ion:168 Resp: 198579  
Ion Ratio Lower Upper  
168 100  
99 58.7 44.0 66.0



#3  
Chloromethane  
Concen: 0.204 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Tgt Ion: 50 Resp: 432  
Ion Ratio Lower Upper  
50 100  
52 13.0 26.3 39.5

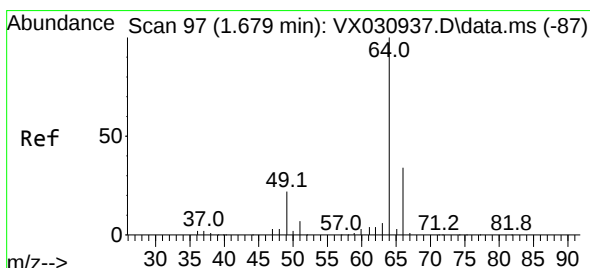
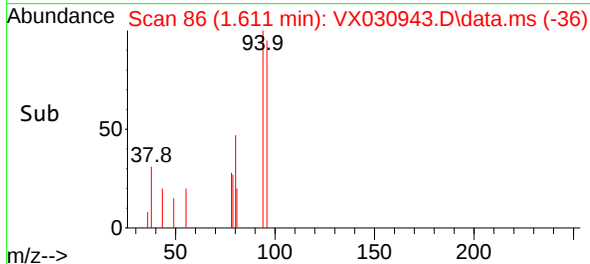
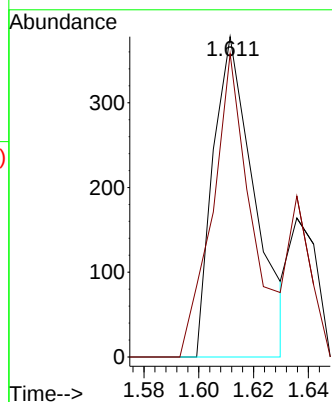
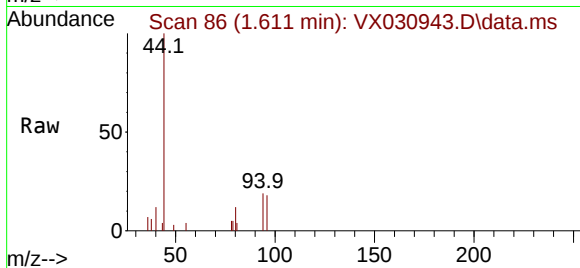




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

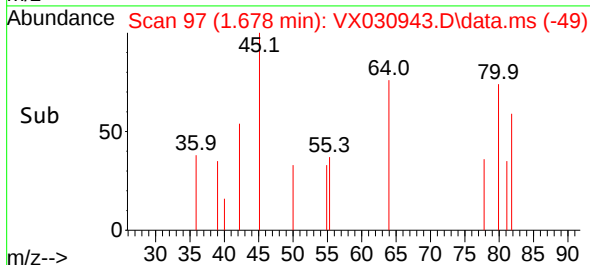
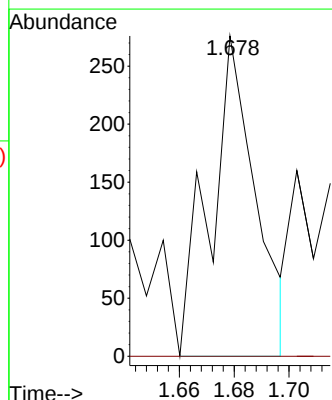
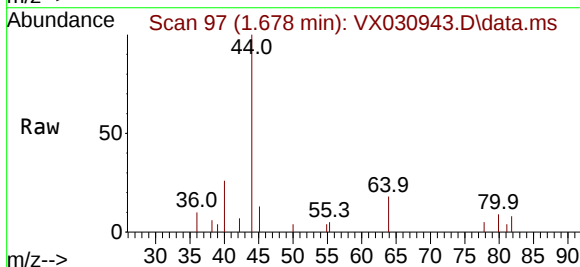
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

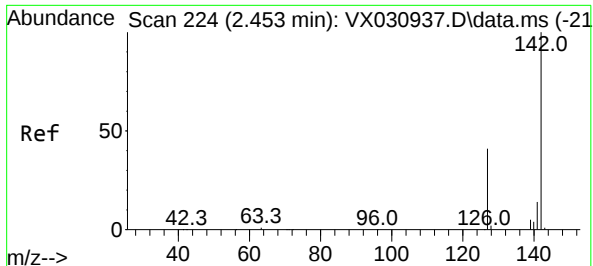
Tgt Ion: 94 Resp: 397  
Ion Ratio Lower Upper  
94 100  
96 94.7 76.9 115.3



#6  
Chloroethane  
Concen: 0.211 ug/l  
RT: 1.678 min Scan# 97  
Delta R.T. -0.007 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Tgt Ion: 64 Resp: 317  
Ion Ratio Lower Upper  
64 100  
66 0.0 27.2 40.8#

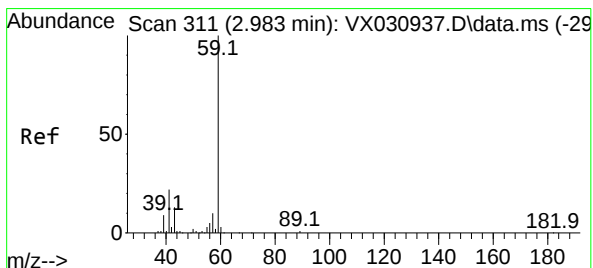
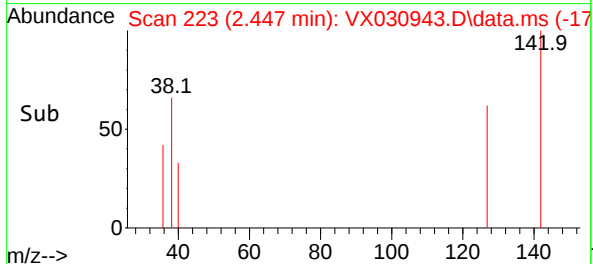
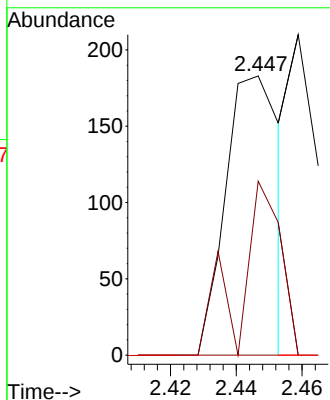
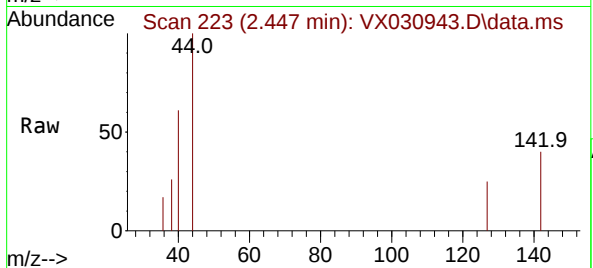




#10  
Methyl Iodide  
Concen: 4.461 ug/l  
RT: 2.447 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

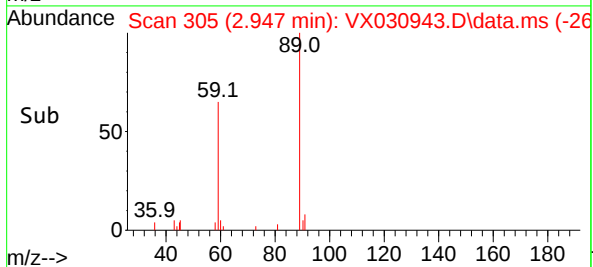
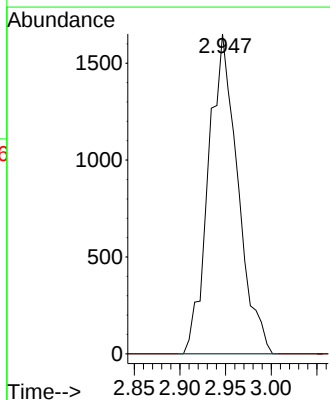
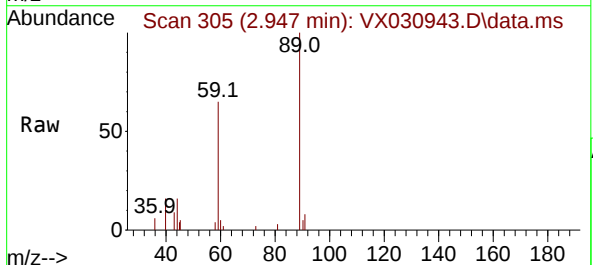
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

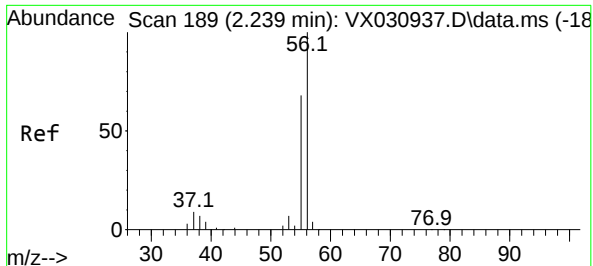
Tgt Ion:142 Resp: 211  
Ion Ratio Lower Upper  
142 100  
127 46.4 30.2 45.2#  
141 0.0 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: 5.459 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.042 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Tgt Ion: 59 Resp: 3684  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

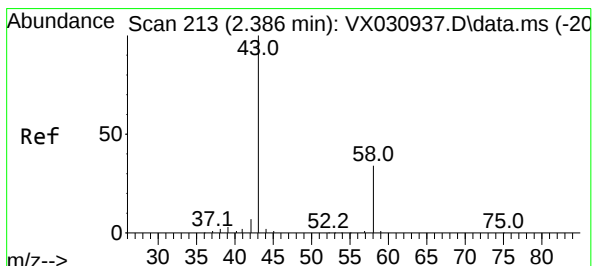
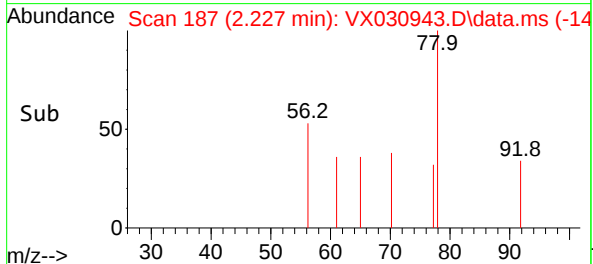
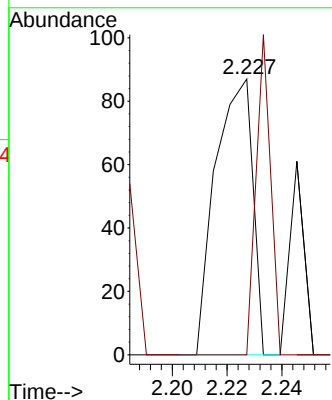
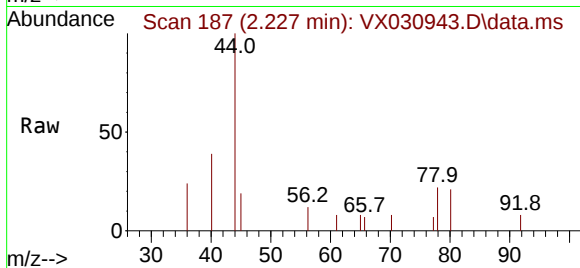




#13  
Acrolein  
Concen: 7.506 ug/l  
RT: 2.227 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

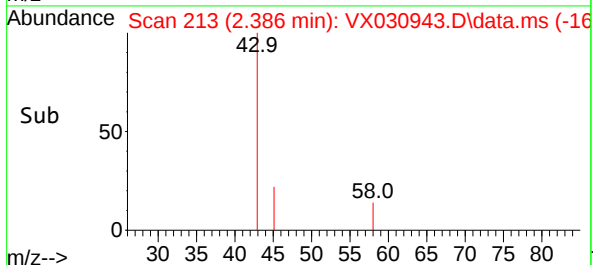
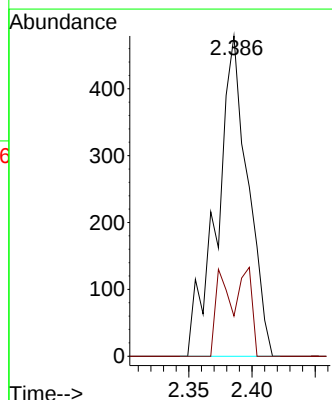
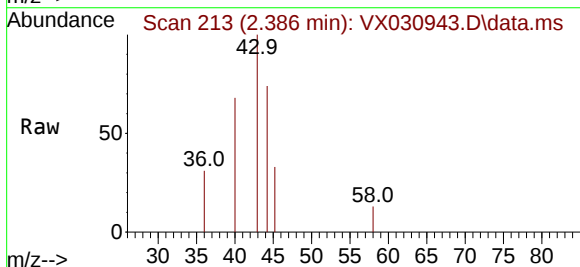
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

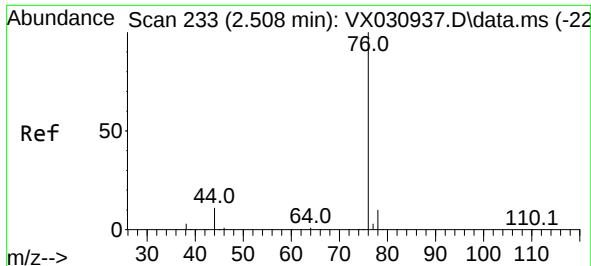
Tgt Ion: 56 Resp: 82  
Ion Ratio Lower Upper  
56 100  
55 45.1 56.6 84.8#



#16  
Acetone  
Concen: 0.630 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Tgt Ion: 43 Resp: 810  
Ion Ratio Lower Upper  
43 100  
58 12.5 27.7 41.5#





#17

Carbon Disulfide

Concen: 0.290 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX030943.D

Acq: 30 Aug 2022 16:58

Instrument :

MSVOA\_X

ClientSampleId :

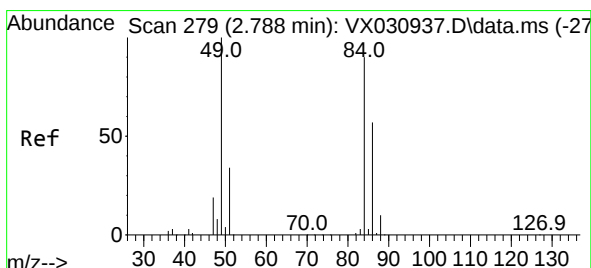
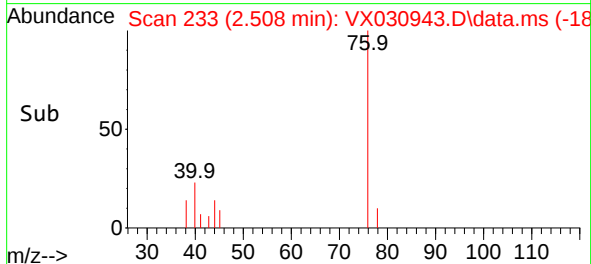
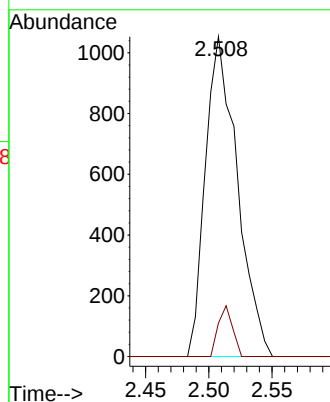
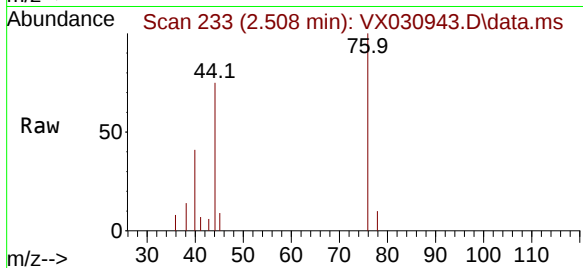
VX0830MBL01

Tgt Ion: 76 Resp: 1847

Ion Ratio Lower Upper

76 100

78 10.4 7.8 11.6



#20

Methylene Chloride

Concen: 0.845 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX030943.D

Acq: 30 Aug 2022 16:58

Tgt Ion: 84 Resp: 2471

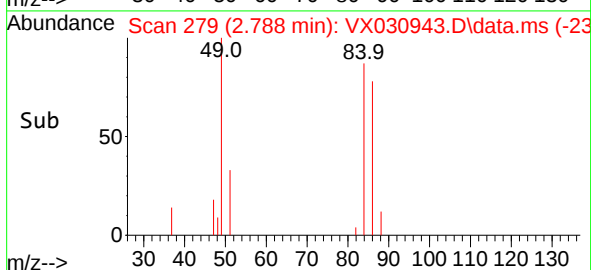
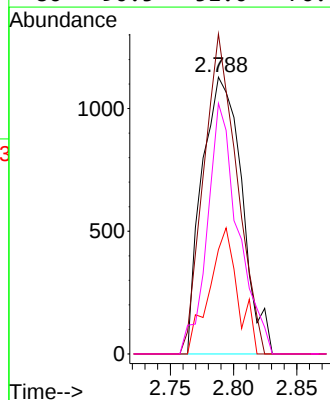
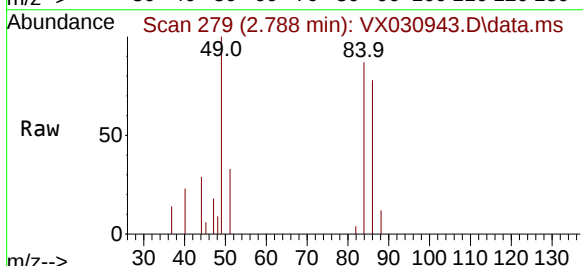
Ion Ratio Lower Upper

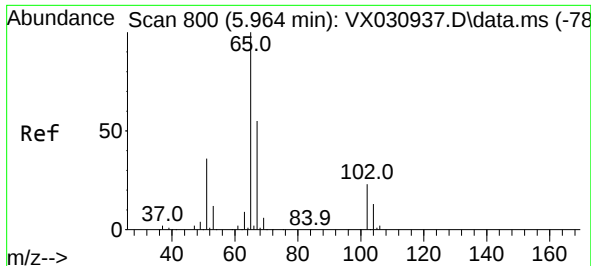
84 100

49 115.6 93.8 140.6

51 37.7 29.4 44.0

86 90.5 51.0 76.4#





#33

1,2-Dichloroethane-d4

Concen: 42.700 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030943.D

Acq: 30 Aug 2022 16:58

Instrument :

MSVOA\_X

ClientSampleId :

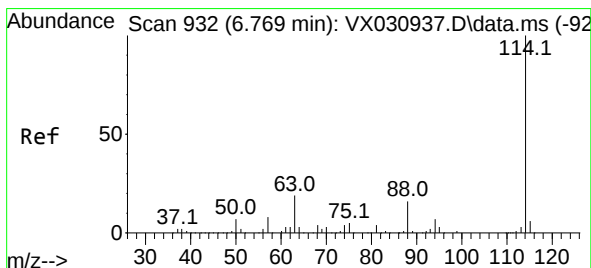
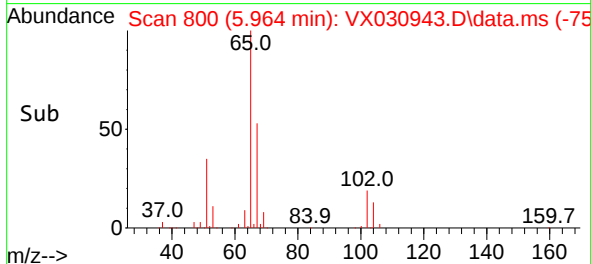
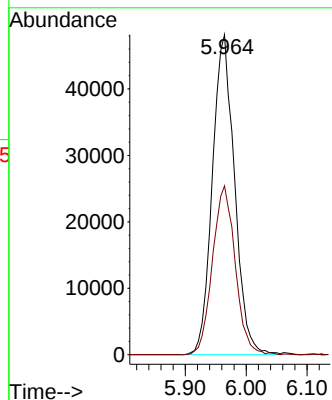
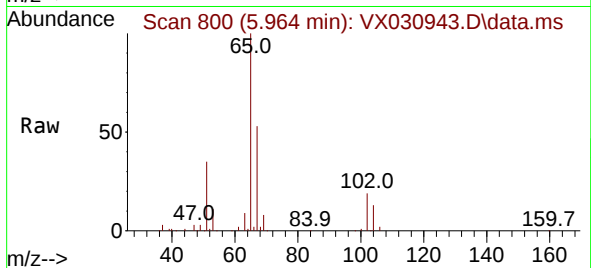
VX0830MBL01

Tgt Ion: 65 Resp: 121619

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030943.D

Acq: 30 Aug 2022 16:58

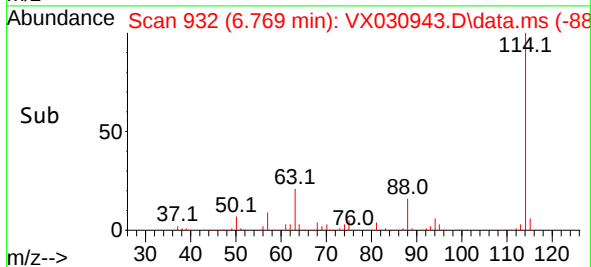
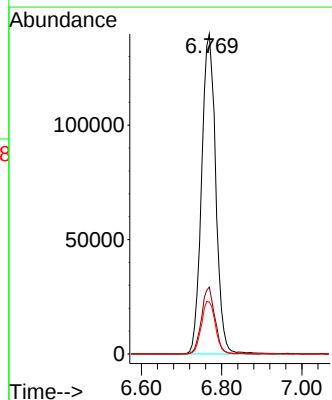
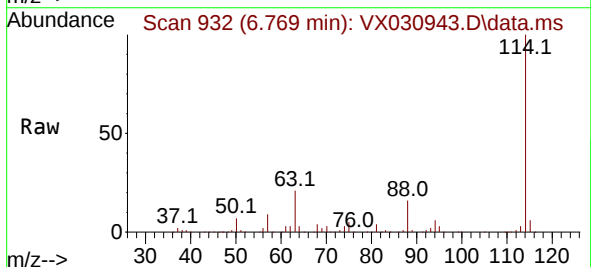
Tgt Ion: 114 Resp: 342323

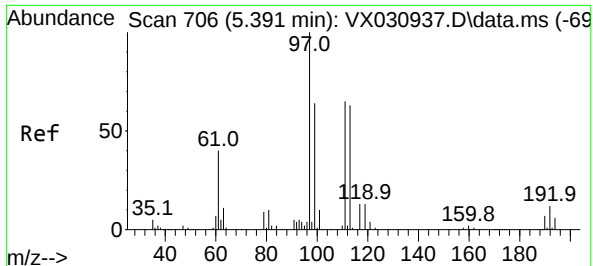
Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.4

88 16.2 0.0 31.8

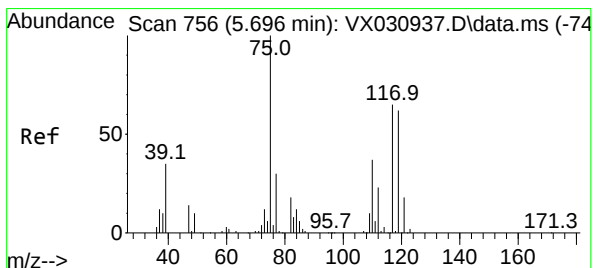
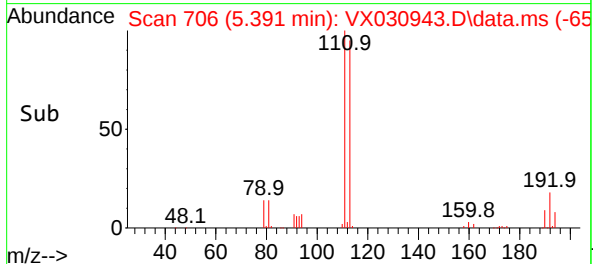
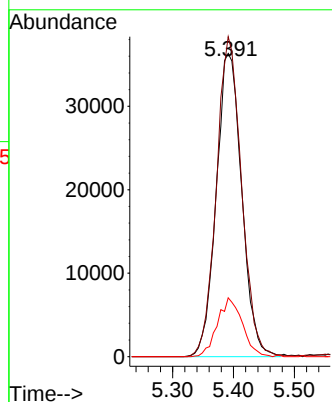
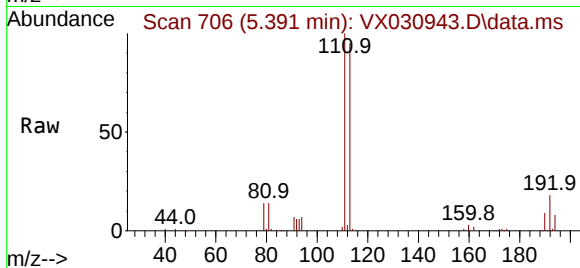




#35  
Dibromofluoromethane  
Concen: 41.897 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

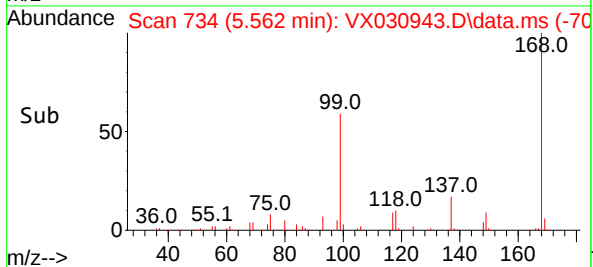
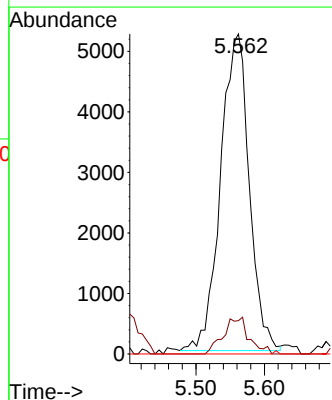
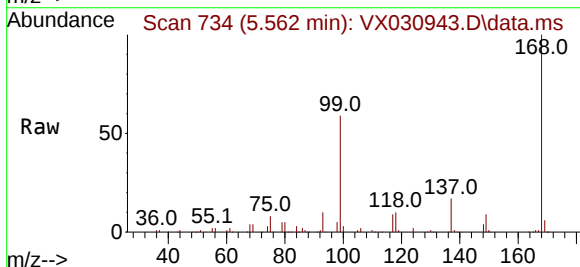
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

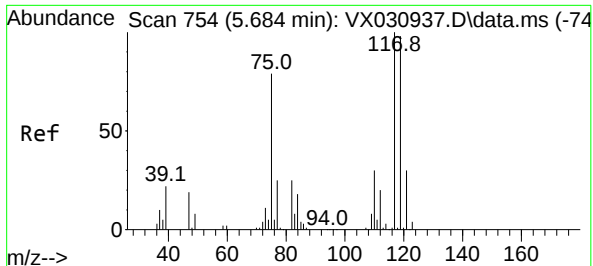
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Ion Ratio Lower Upper  
113 100  
111 103.8 83.2 124.8  
192 19.0 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 4.057 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

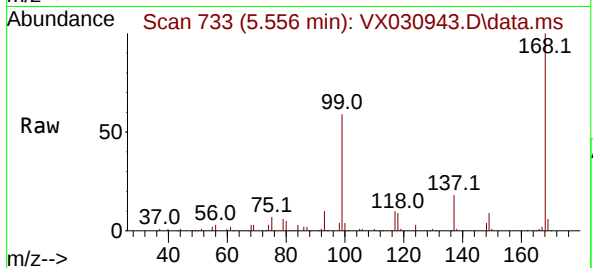
Tgt Ion: 75 Resp: 15217  
Ion Ratio Lower Upper  
75 100  
110 10.3 19.3 57.9#  
77 0.0 24.4 36.6#



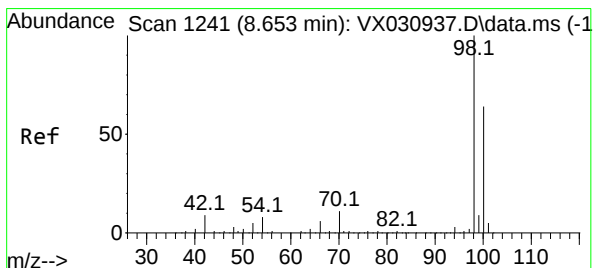
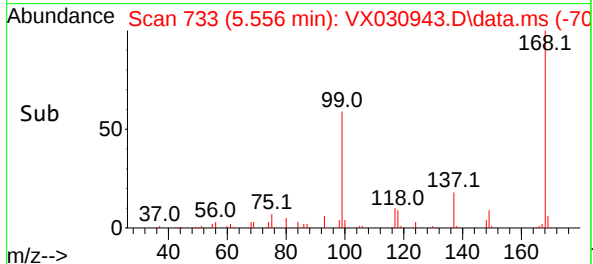
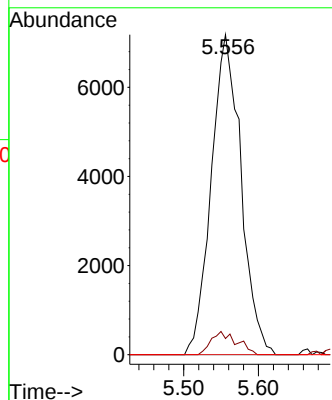


#38  
Carbon Tetrachloride  
Concen: 5.565 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

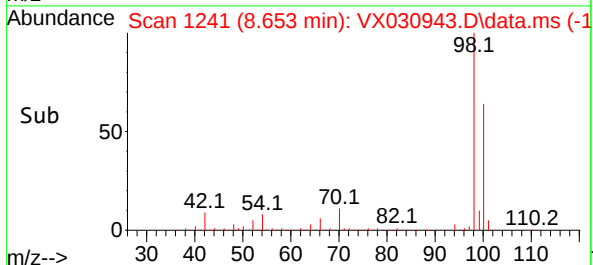
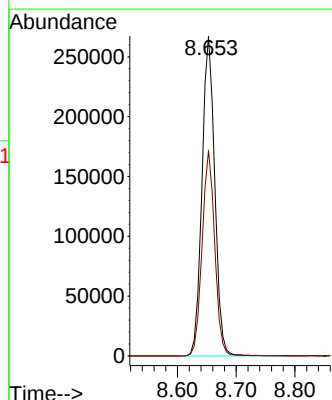
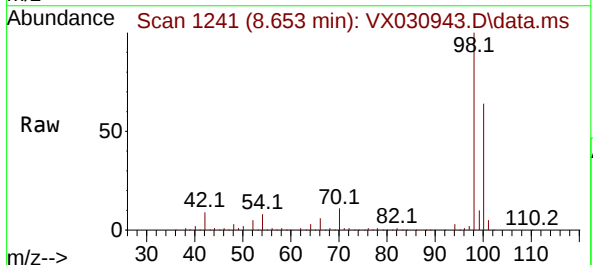


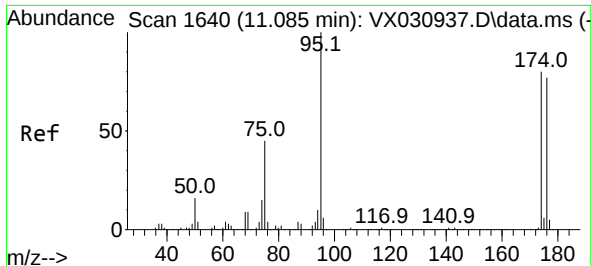
Tgt Ion:117 Resp: 19871  
Ion Ratio Lower Upper  
117 100  
119 5.0 74.1 111.1#  
121 0.0 25.8 38.8#



#50  
Toluene-d8  
Concen: 43.271 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Tgt Ion: 98 Resp: 404378  
Ion Ratio Lower Upper  
98 100  
100 63.4 52.3 78.5

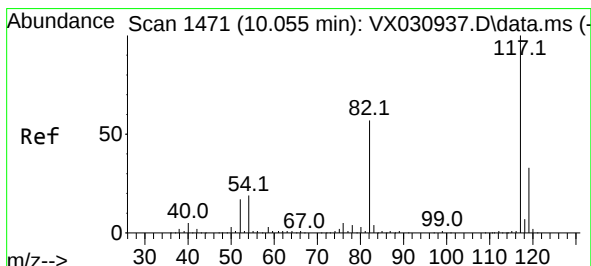
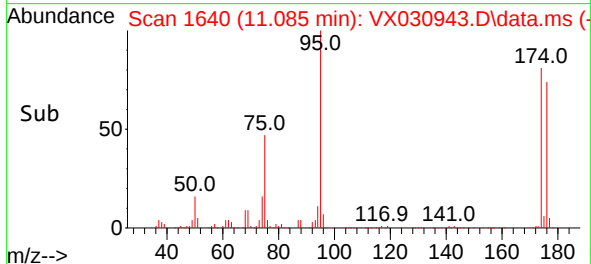
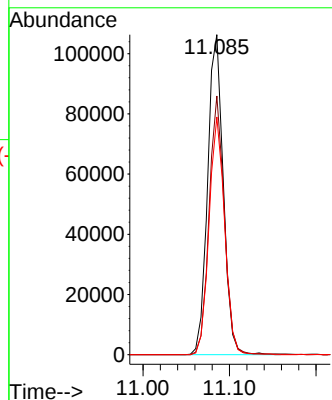
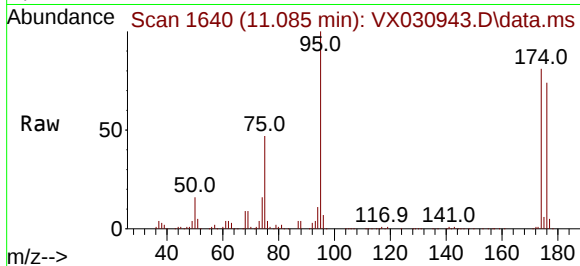




#62  
4-Bromofluorobenzene  
Concen: 40.023 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

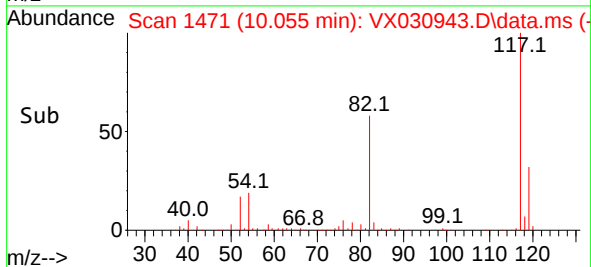
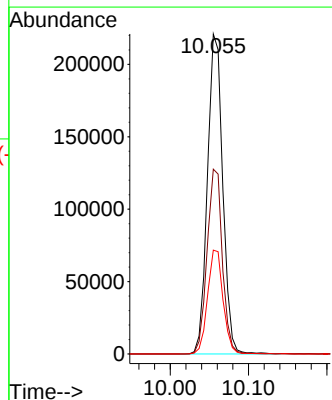
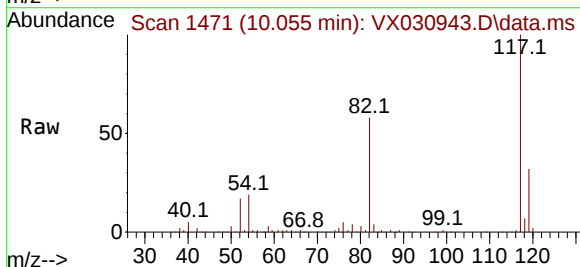
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0830MBL01

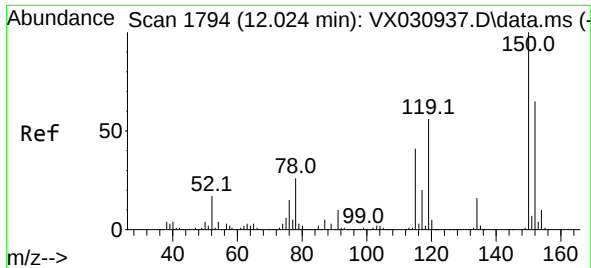
Tgt Ion: 95 Resp: 133192  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 149.0  
176 73.9 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030943.D  
Acq: 30 Aug 2022 16:58

Tgt Ion: 117 Resp: 299154  
Ion Ratio Lower Upper  
117 100  
82 57.8 42.7 64.1  
119 32.4 25.4 38.2

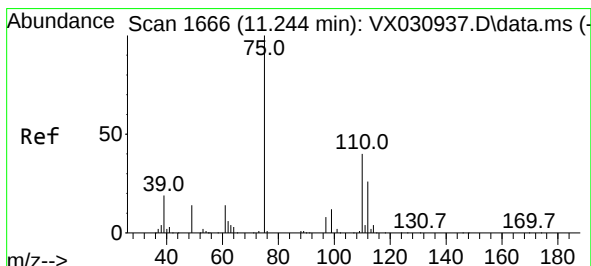
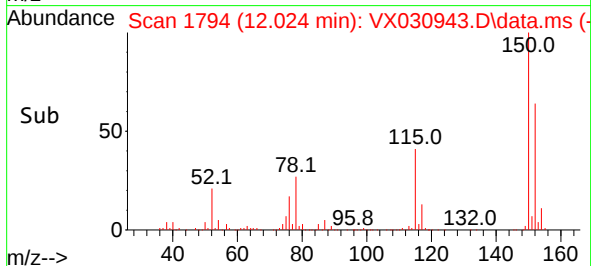
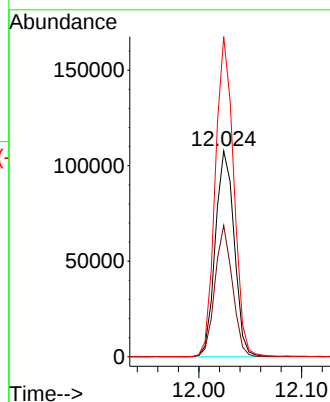
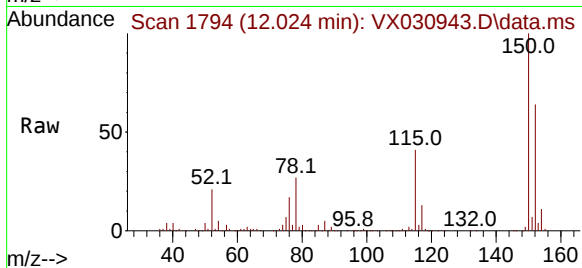




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX030943.D  
 Acq: 30 Aug 2022 16:58

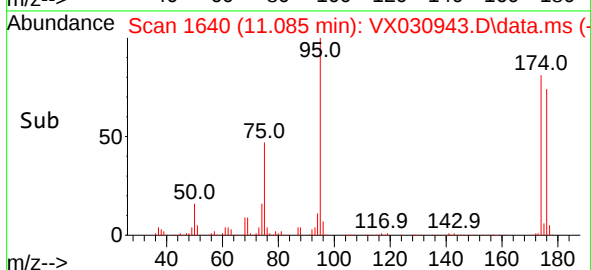
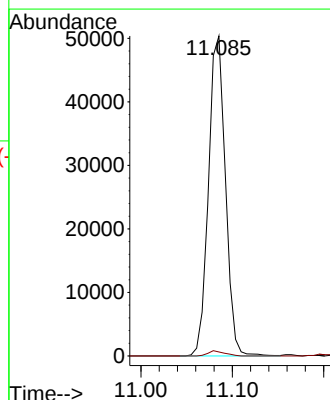
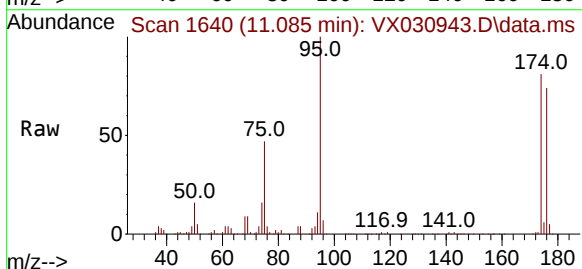
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0830MBL01

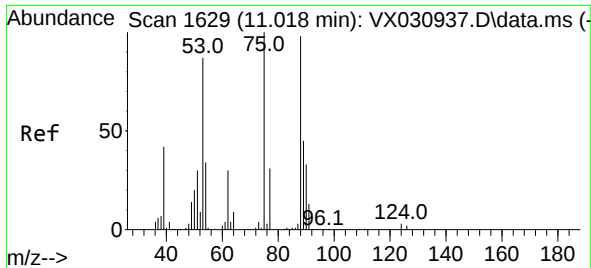
Tgt Ion:152 Resp: 137064  
 Ion Ratio Lower Upper  
 152 100  
 115 59.2 40.5 121.5  
 150 152.0 0.0 347.0



#76  
 1,2,3-Trichloropropane  
 Concen: 19.205 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX030943.D  
 Acq: 30 Aug 2022 16:58

Tgt Ion: 75 Resp: 64806  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 19.8 59.3#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 57.101 ug/l  
 RT: 11.085 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX030943.D  
 Acq: 30 Aug 2022 16:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0830MBL01

Tgt Ion: 75 Resp: 64806  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.2 111.4#  
 89 0.0 34.8 52.2#

