

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092222\  
 Data File : VX031599.D  
 Acq On : 23 Sep 2022 03:44  
 Operator : JC/MD  
 Sample : PB147821TB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB147821TB

Quant Time: Sep 23 04:48:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 09:45:29 2022  
 Response via : Initial Calibration

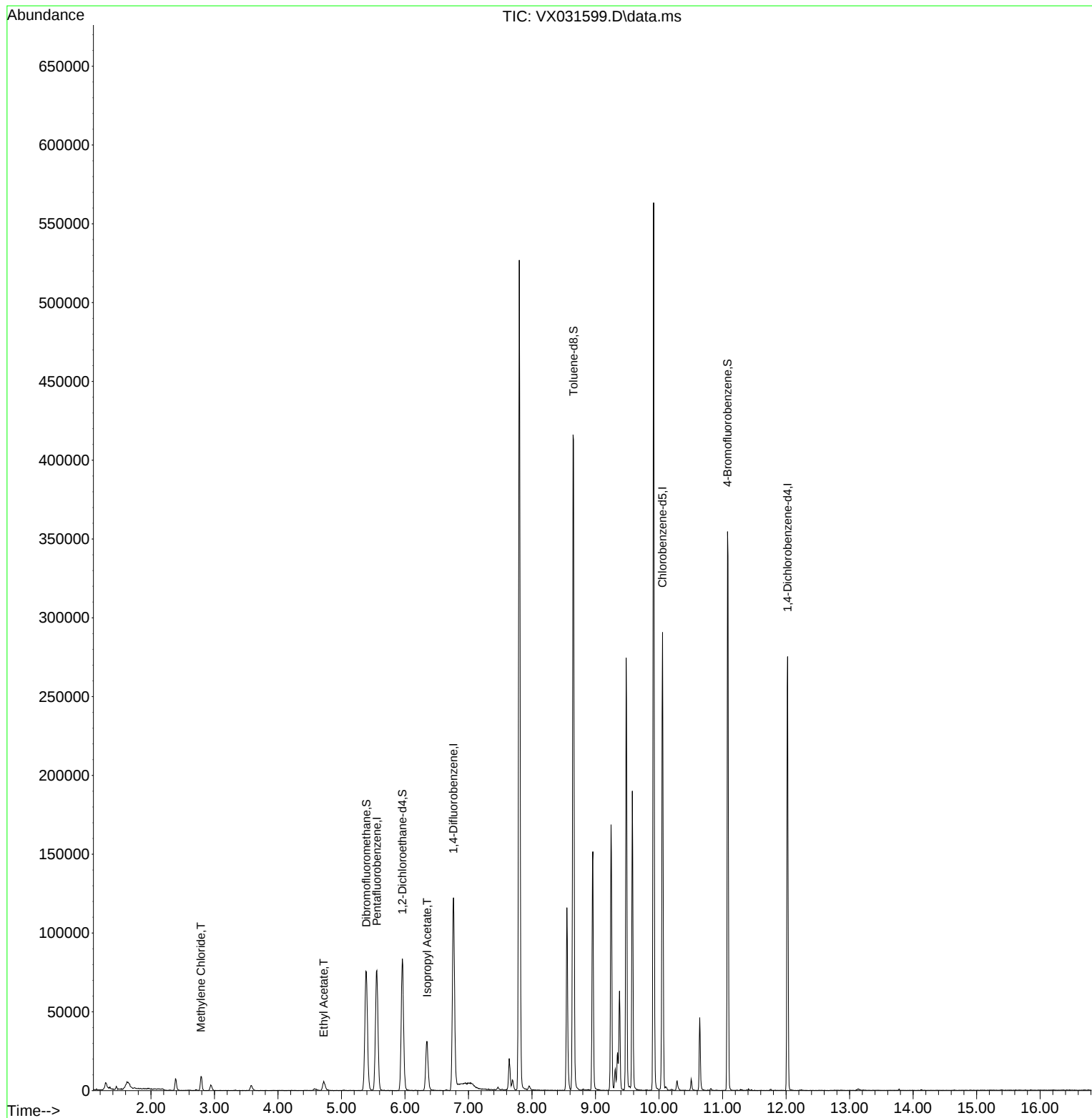
| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 73246               | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 121855              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 123012              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 55467               | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 72988               | 54.328 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 108.660% |        |       |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 62614               | 49.709 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 99.420%  |        |       |          |
| 50) Toluene-d8              | 8.653          | 98   | 246895              | 50.856 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 101.720% |        |       |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 79434               | 48.304 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 96.600%  |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       |          |
| 20) Methylene Chloride      | 2.788          | 84   | 4129                | 1.157  | ug/l  | 88       |
| 37) Ethyl Acetate           | 4.721          | 43   | 10191               | 4.410  | ug/l  | 97       |
| 43) Isopropyl Acetate       | 6.348          | 43   | 43054               | 12.123 | ug/l  | 99       |
| -----                       |                |      |                     |        |       |          |

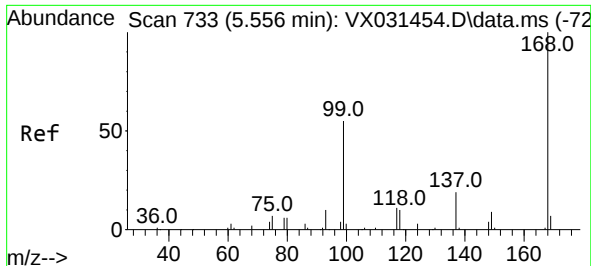
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 20 09:45:29 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.000 min

Lab File: VX031599.D

Acq: 23 Sep 2022 03:44

Instrument :

MSVOA\_X

ClientSampleId :

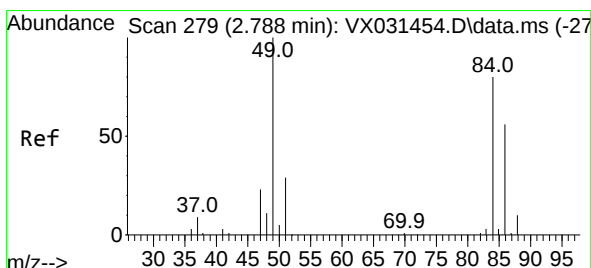
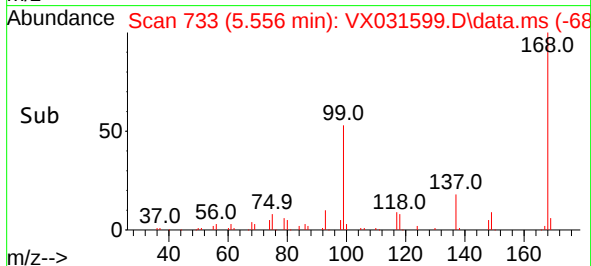
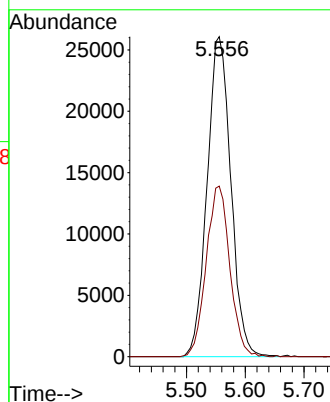
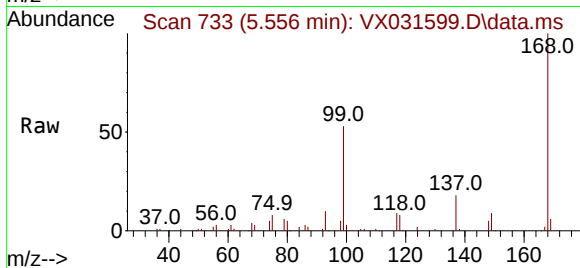
PB147821TB

Tgt Ion:168 Resp: 73246

Ion Ratio Lower Upper

168 100

99 53.3 48.8 73.2



#20

Methylene Chloride

Concen: 1.157 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX031599.D

Acq: 23 Sep 2022 03:44

Tgt Ion: 84 Resp: 4129

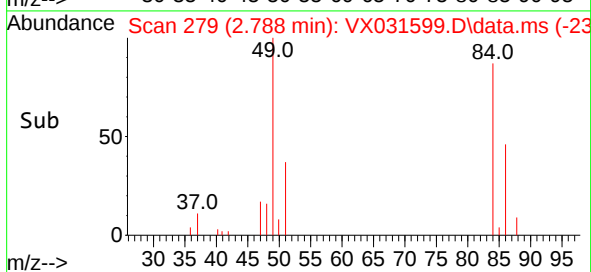
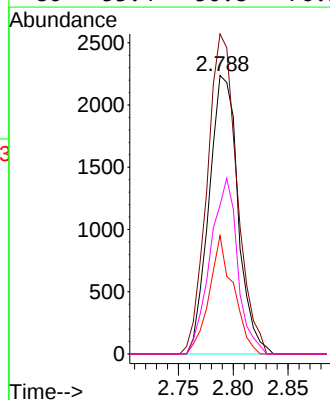
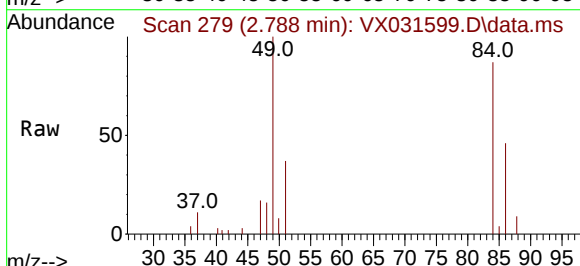
Ion Ratio Lower Upper

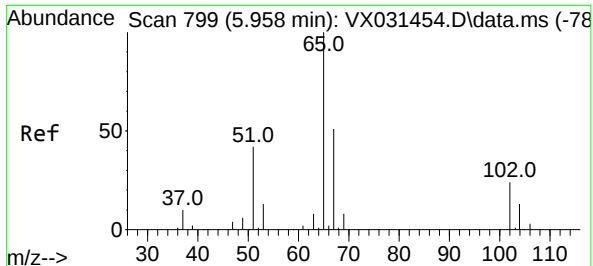
84 100

49 114.9 105.9 158.9

51 42.4 32.2 48.2

86 53.4 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 54.328 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031599.D

Acq: 23 Sep 2022 03:44

Instrument :

MSVOA\_X

ClientSampleId :

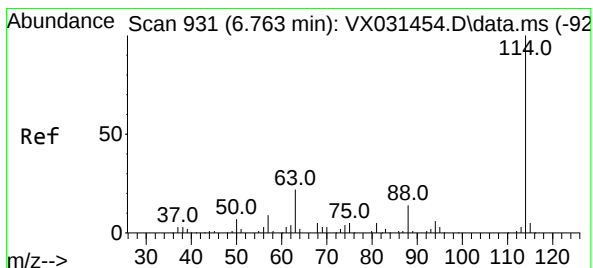
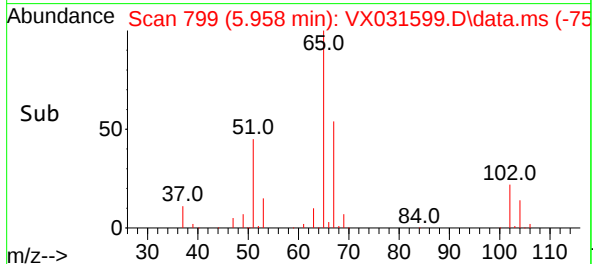
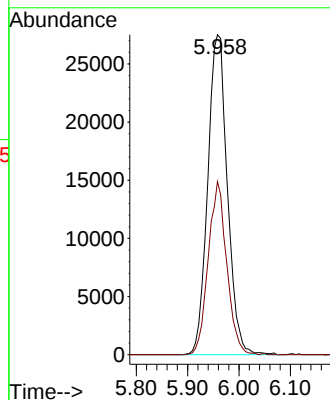
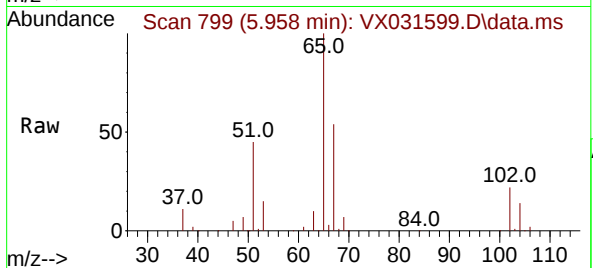
PB147821TB

Tgt Ion: 65 Resp: 72988

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031599.D

Acq: 23 Sep 2022 03:44

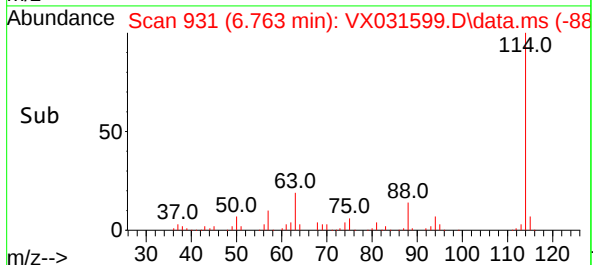
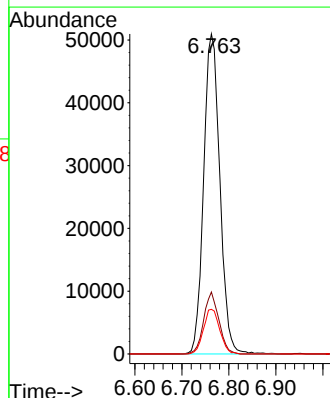
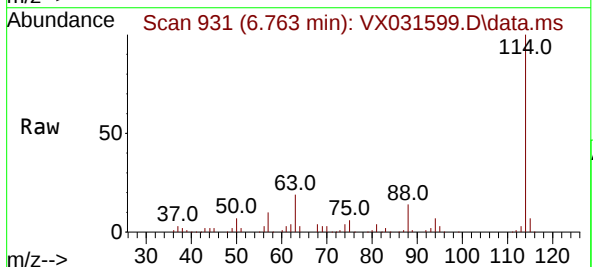
Tgt Ion: 114 Resp: 121855

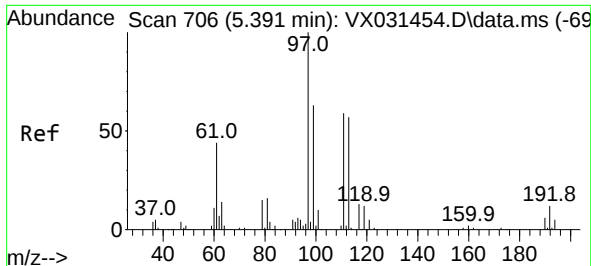
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 14.0 0.0 33.0

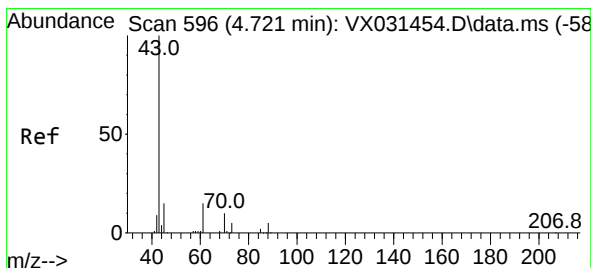
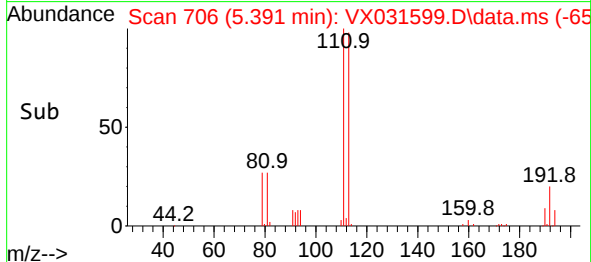
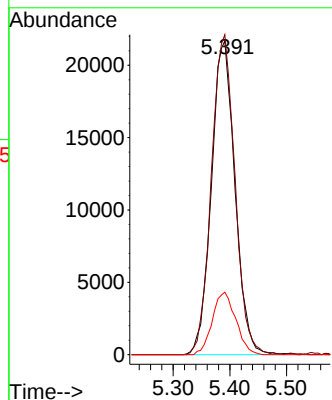
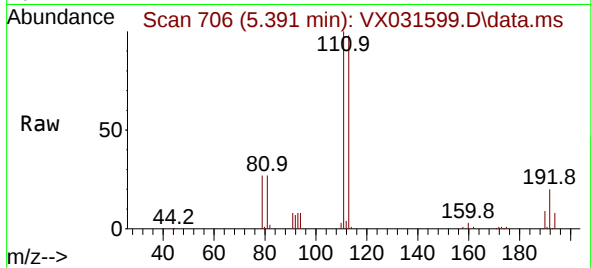




#35  
 Dibromofluoromethane  
 Concen: 49.709 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VX031599.D  
 Acq: 23 Sep 2022 03:44

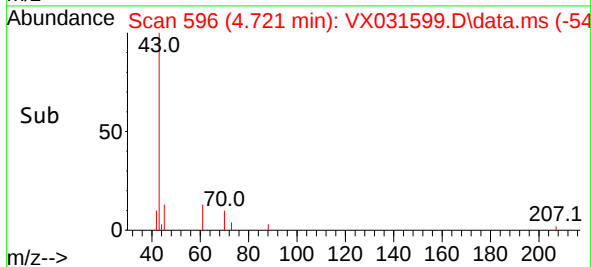
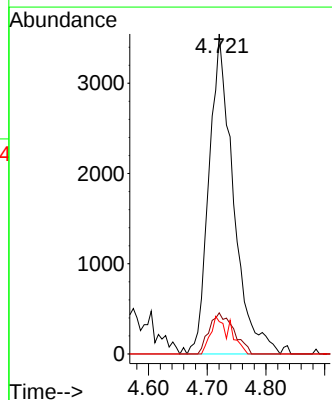
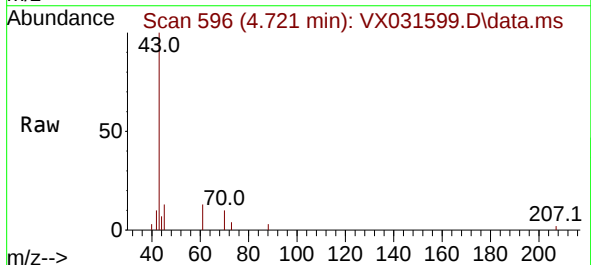
Instrument :  
 MSVOA\_X  
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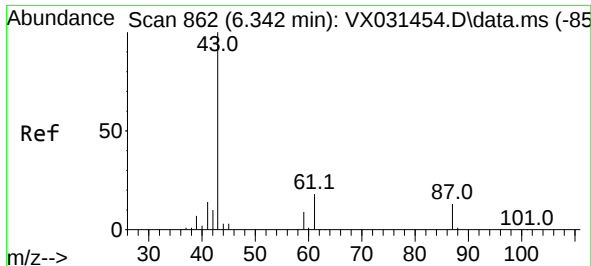
Tgt Ion:113 Resp: 62614  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 82.4 123.6  
 192 19.8 14.1 21.1



#37  
 Ethyl Acetate  
 Concen: 4.410 ug/l  
 RT: 4.721 min Scan# 596  
 Delta R.T. -0.000 min  
 Lab File: VX031599.D  
 Acq: 23 Sep 2022 03:44

Tgt Ion: 43 Resp: 10191  
 Ion Ratio Lower Upper  
 43 100  
 61 13.0 11.1 16.7  
 70 9.5 8.6 13.0

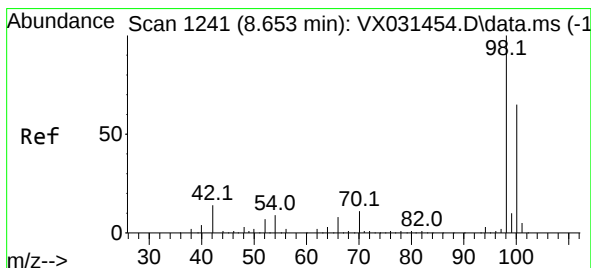
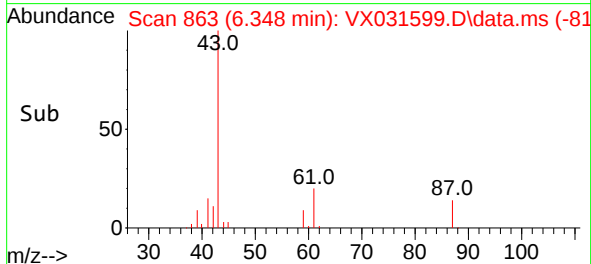
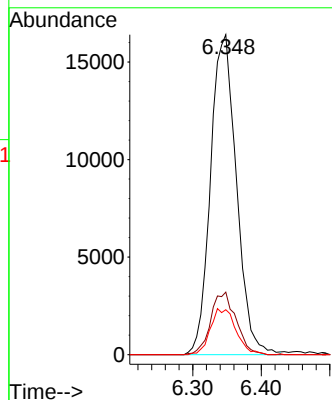
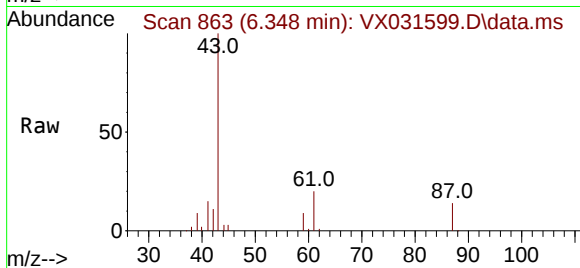




#43  
Isopropyl Acetate  
Concen: 12.123 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.006 min  
Lab File: VX031599.D  
Acq: 23 Sep 2022 03:44

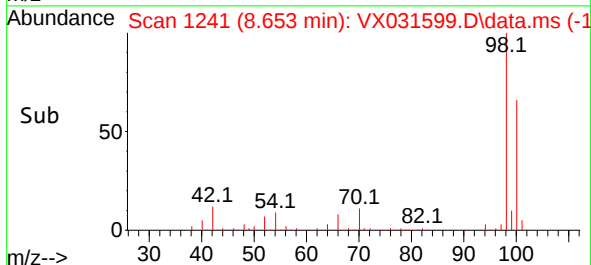
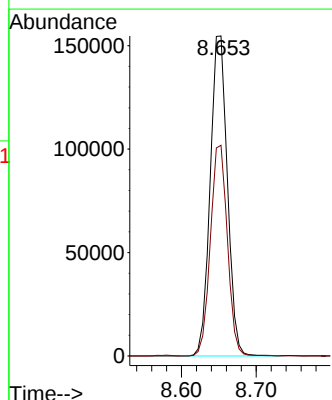
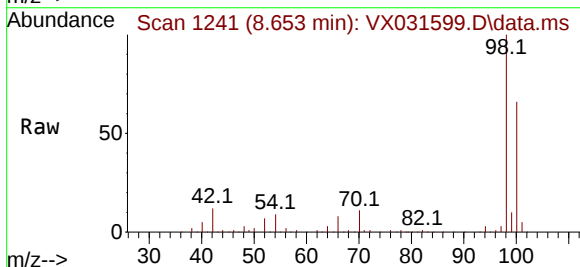
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MSVOA\_X  
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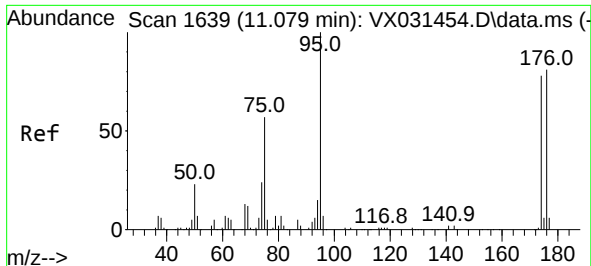
Tgt Ion: 43 Resp: 43054  
Ion Ratio Lower Upper  
43 100  
61 19.1 15.3 22.9  
87 14.2 10.6 15.8



#50  
Toluene-d8  
Concen: 50.856 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX031599.D  
Acq: 23 Sep 2022 03:44

Tgt Ion: 98 Resp: 246895  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7

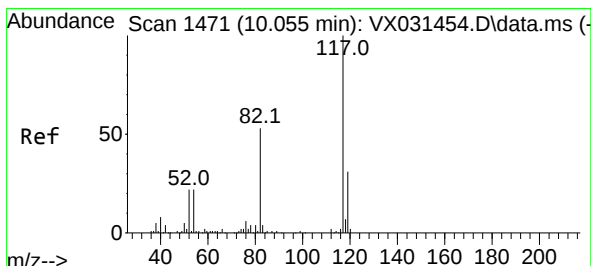
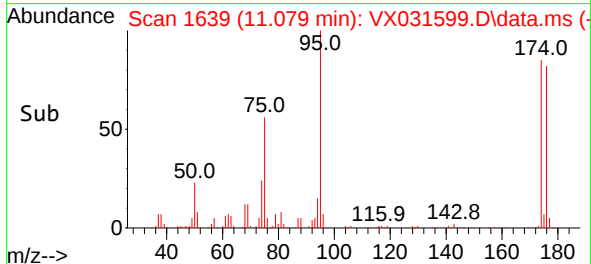
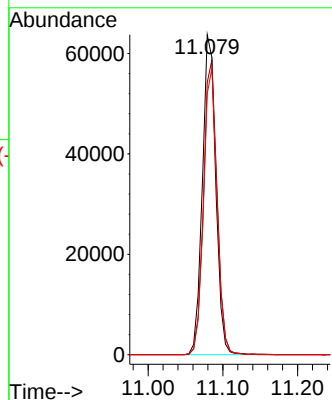
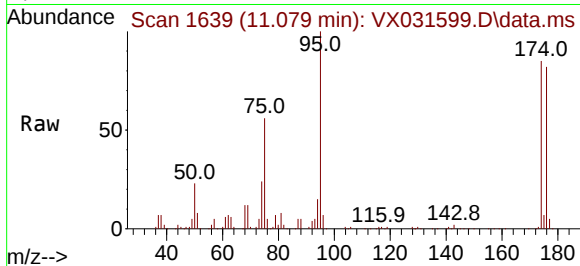




#62  
4-Bromofluorobenzene  
Concen: 48.304 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031599.D  
Acq: 23 Sep 2022 03:44

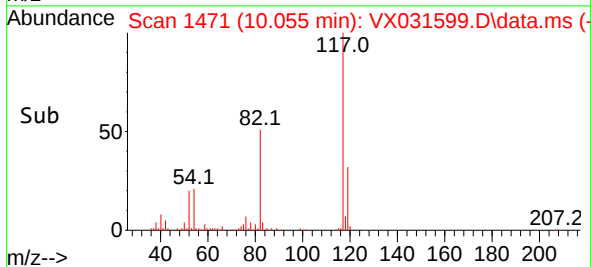
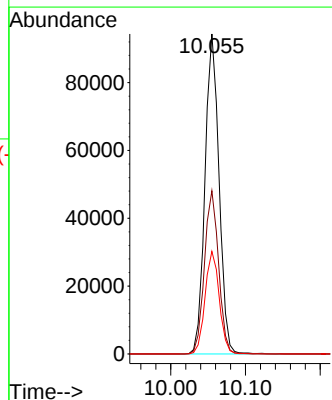
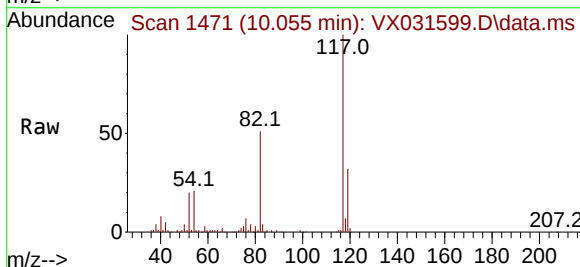
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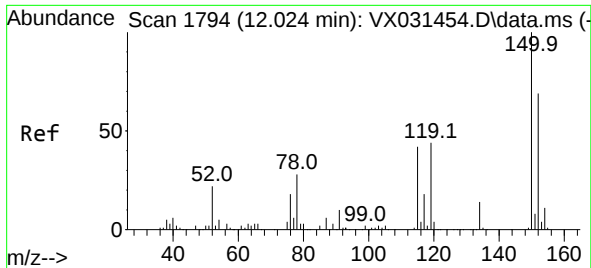
Tgt Ion: 95 Resp: 79434  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 153.2  
176 89.8 0.0 144.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX031599.D  
Acq: 23 Sep 2022 03:44

Tgt Ion: 117 Resp: 123012  
Ion Ratio Lower Upper  
117 100  
82 51.0 46.8 70.2  
119 32.0 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031599.D

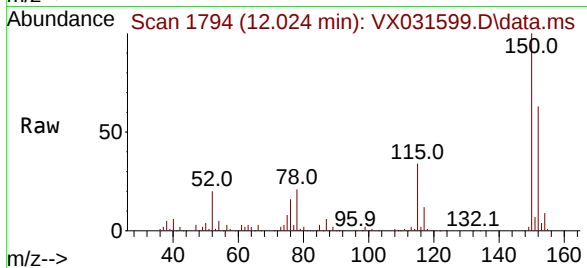
Acq: 23 Sep 2022 03:44

Instrument :

MSVOA\_X

ClientSampleId :

PB147821TB



Tgt Ion:152 Resp: 55467

Ion Ratio Lower Upper

152 100

115 57.2 43.4 130.1

150 157.3 0.0 346.8

