

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052121\  
 Data File : VX022119.D  
 Acq On : 21 May 2021 16:39  
 Operator : JC/MD  
 Sample : M2481-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WASTE-WATER

Manual Integrations  
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 5/24/2021 3:50:28 PM

Quant Time: May 22 04:56:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                       |                |      |                    |        |        |          |
| Internal Standards          |                |      |                    |        |        |          |
| 1) Pentafluorobenzene       | 5.568          | 168  | 65881              | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769          | 114  | 134750             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.061         | 117  | 113853             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 41717              | 50.00  | ug/l   | 0.00     |
|                             |                |      |                    |        |        |          |
| System Monitoring Compounds |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.971          | 65   | 52899              | 52.05  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = 104.10% |        |        |          |
| 35) Dibromofluoromethane    | 5.397          | 113  | 41652              | 48.74  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 97.48%  |        |        |          |
| 50) Toluene-d8              | 8.653          | 98   | 160830             | 48.86  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = 97.72%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 54499              | 44.79  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 89.58%  |        |        |          |
|                             |                |      |                    |        |        |          |
| Target Compounds            |                |      |                    |        |        | Qvalue   |
| 4) Vinyl Chloride           | 1.374          | 62   | 14293              | 15.63  | ug/l   | 99       |
| 6) Chloroethane             | 1.691          | 64   | 2030               | 3.73   | ug/l   | 99       |
| 16) Acetone                 | 2.386          | 43   | 2989               | 6.75   | ug/l   | 94       |
| 25) 2-Butanone              | 4.587          | 43   | 2306               | 3.22   | ug/l # | 77       |
| 29) Tetrahydrofuran         | 5.019          | 42   | 23755              | 55.75  | ug/l   | 90       |
| 30) Chloroform              | 5.105          | 83   | 3021               | 1.87   | ug/l   | 98       |
| 42) 1,2-Dichloroethane      | 6.105          | 62   | 1481m              | 1.10   | ug/l   |          |
| 49) 1,4-Dioxane             | 7.671          | 88   | 14560              | 649.49 | ug/l   | 97       |
| -----                       |                |      |                    |        |        |          |

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

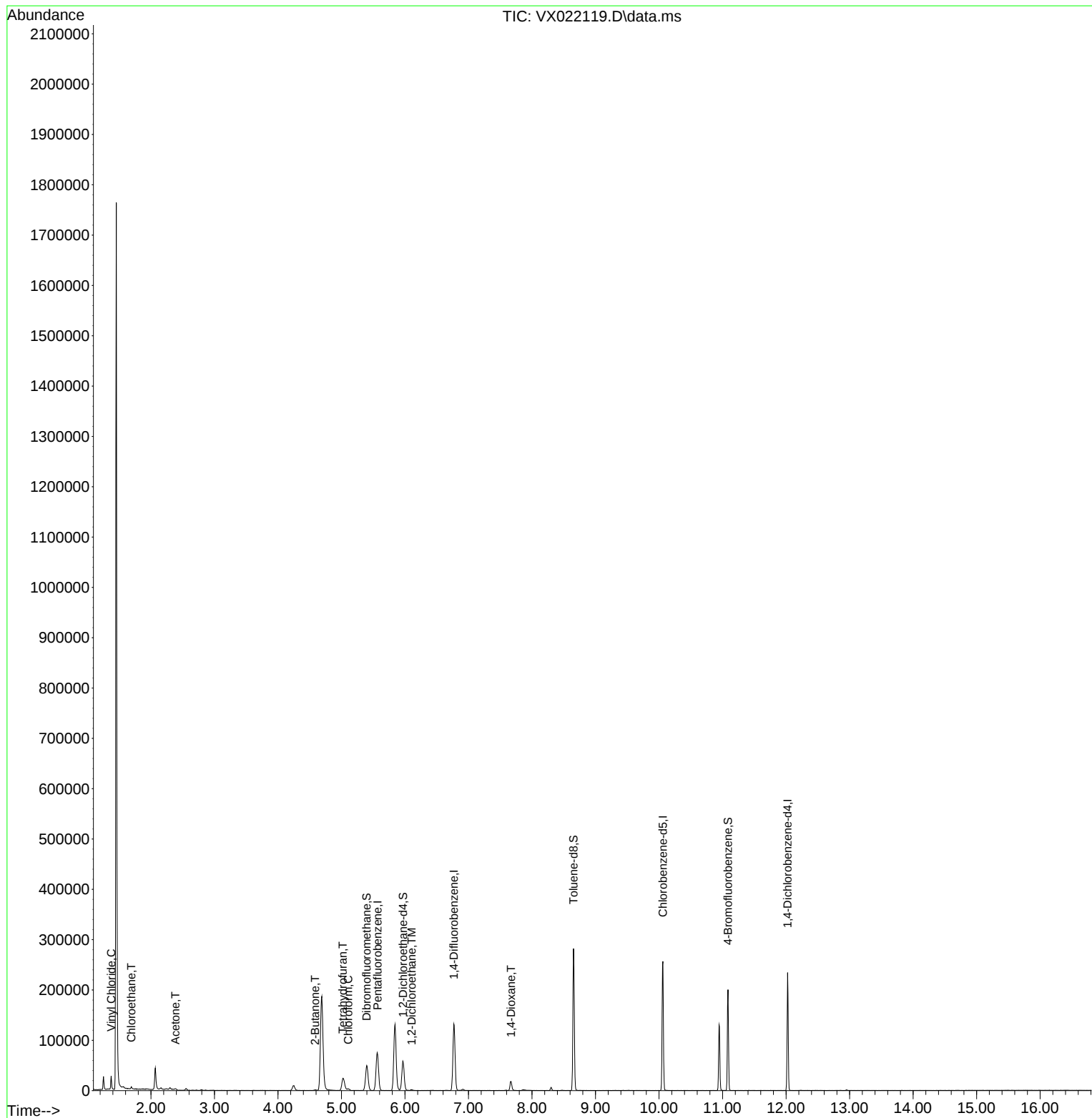
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052121\  
Data File : VX022119.D  
Acq On : 21 May 2021 16:39  
Operator : JC/MD  
Sample : M2481-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

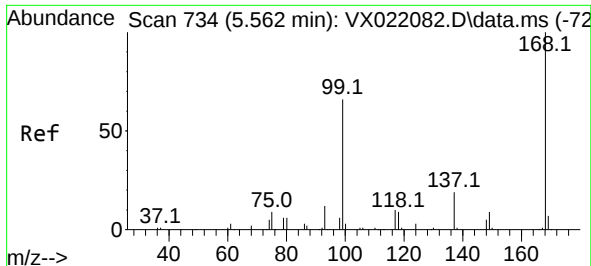
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-WATER

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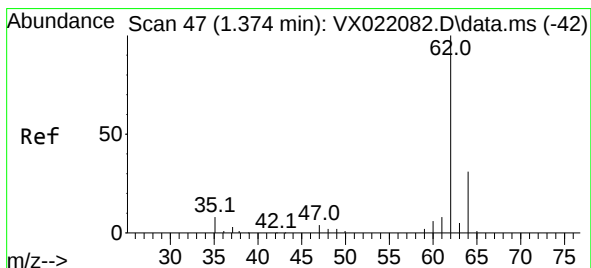
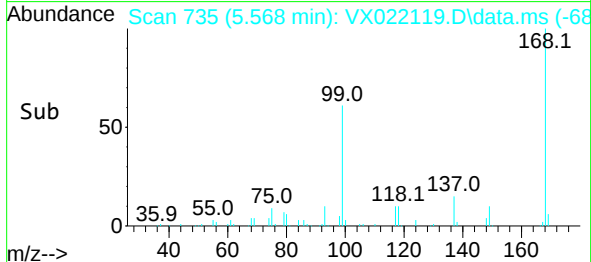
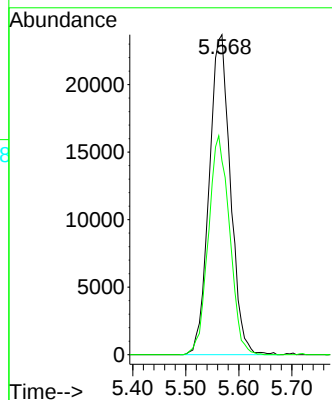
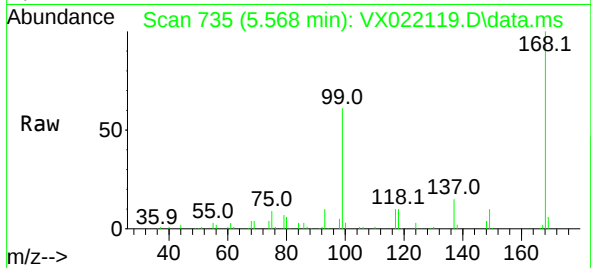
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration





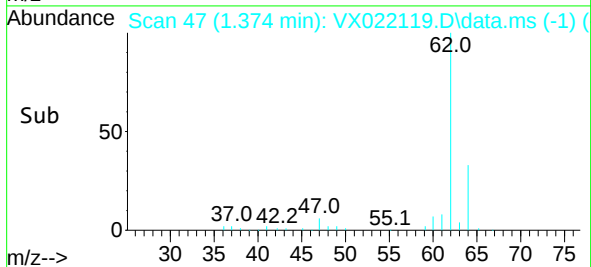
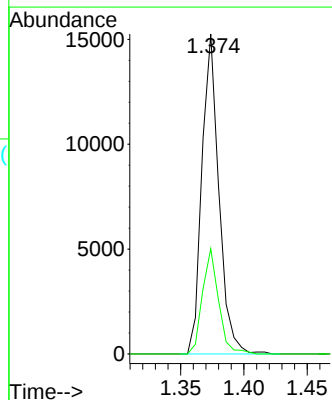
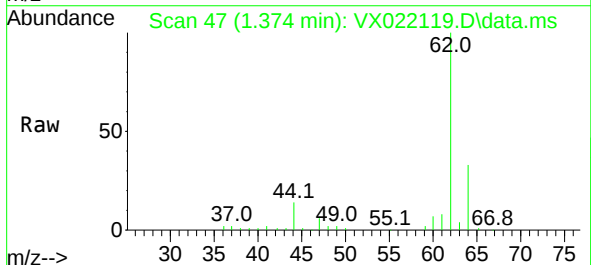
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.006 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

Tgt Ion: 168 Resp: 65881  
Ion Ratio Lower Upper  
168 100  
99 60.6 45.8 68.6



#4  
Vinyl Chloride  
Concen: 15.63 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

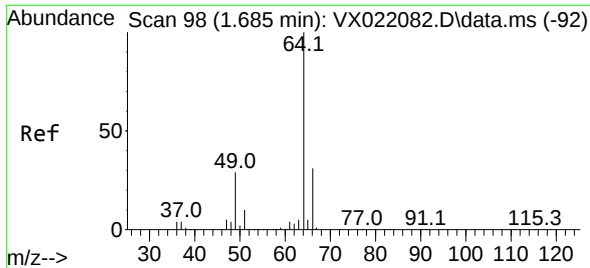
Tgt Ion: 62 Resp: 14293  
Ion Ratio Lower Upper  
62 100  
64 32.9 25.7 38.5



Instrument :  
MSVOA\_X  
ClientSampleId :  
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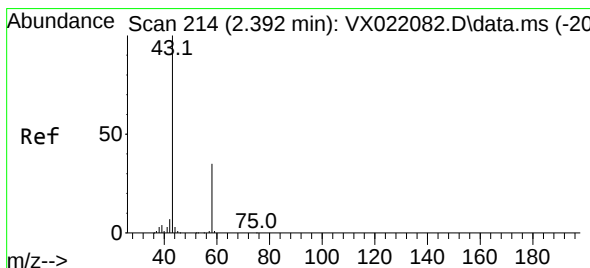
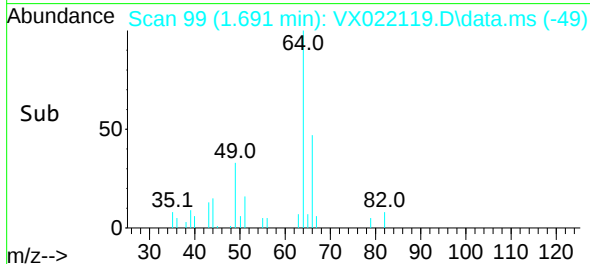
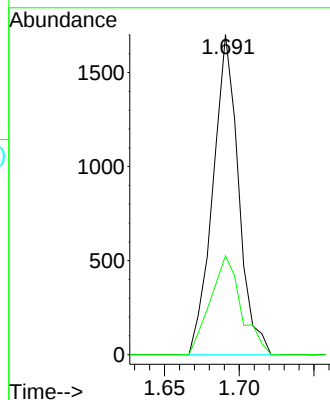
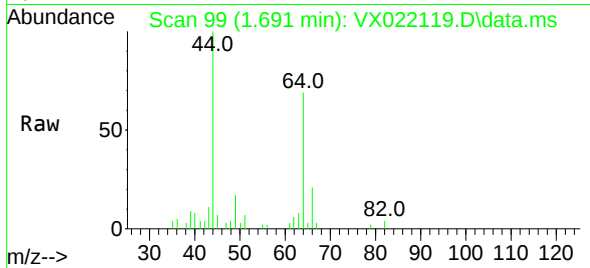
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Chloroethane  
Concen: 3.73 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

Tgt Ion: 64 Resp: 2030  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.4 38.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-WATER

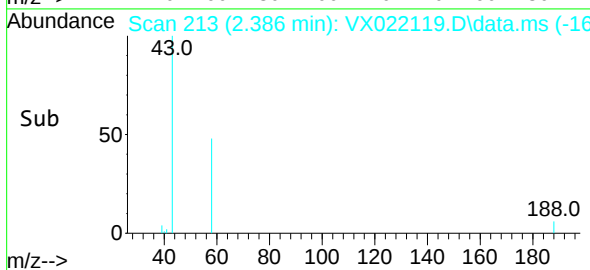
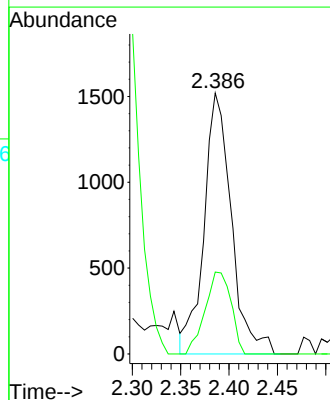
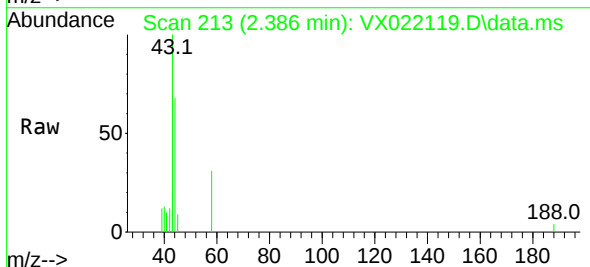
Manual Integrations  
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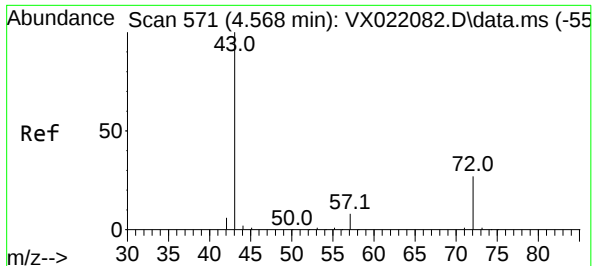
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#16  
Acetone  
Concen: 6.75 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

Tgt Ion: 43 Resp: 2989  
Ion Ratio Lower Upper  
43 100  
58 31.4 27.8 41.8





#25

2-Butanone

Concen: 3.22 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX022119.D

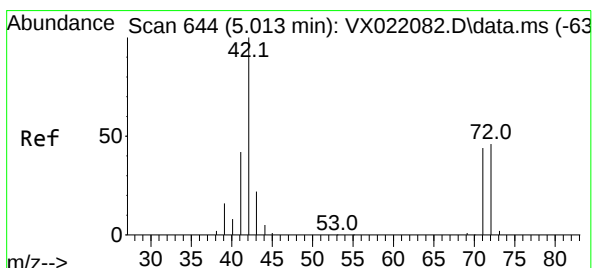
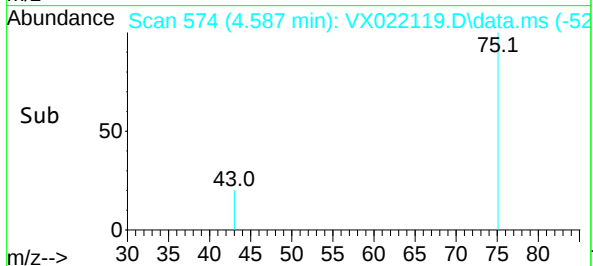
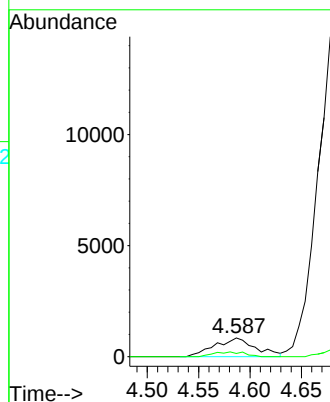
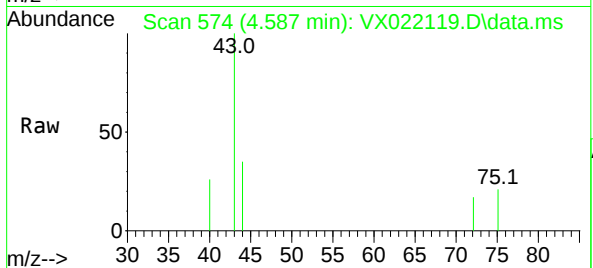
Acq: 21 May 2021 16:39

Tgt Ion: 43 Resp: 2306

Ion Ratio Lower Upper

43 100

72 17.1 23.7 35.5#



#29

Tetrahydrofuran

Concen: 55.75 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX022119.D

Acq: 21 May 2021 16:39

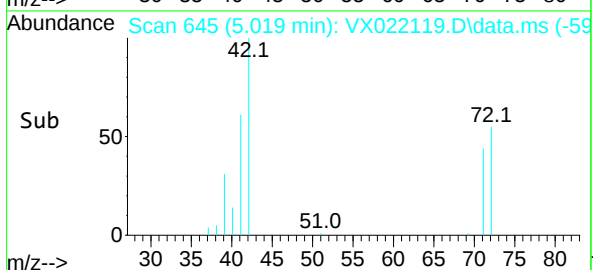
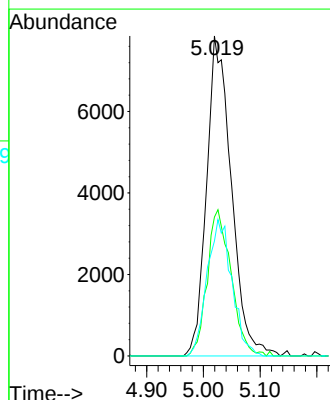
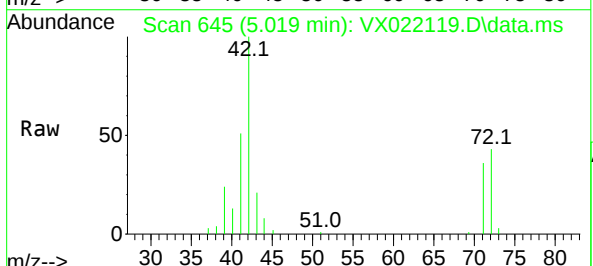
Tgt Ion: 42 Resp: 23755

Ion Ratio Lower Upper

42 100

72 44.2 41.7 62.5

71 42.8 38.4 57.6



Instrument :

MSVOA\_X

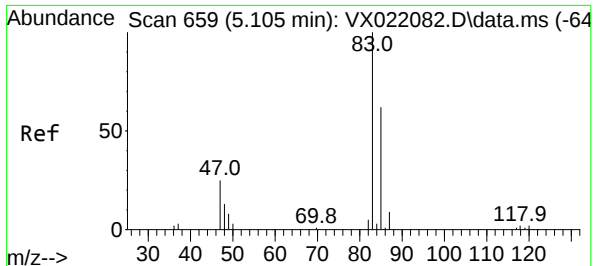
ClientSampleId :

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#30

Chloroform

Concen: 1.87 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX022119.D

Acq: 21 May 2021 16:39

Tgt Ion: 83 Resp: 3021

Ion Ratio Lower Upper

83 100

85 63.2 52.0 78.0

Instrument :

MSVOA\_X

ClientSampleId :

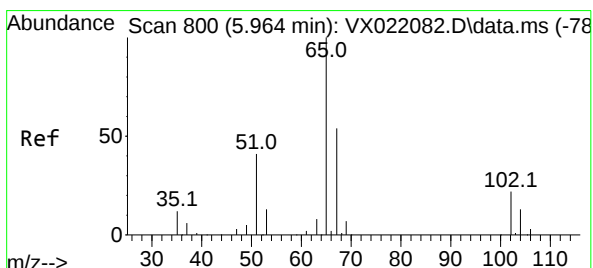
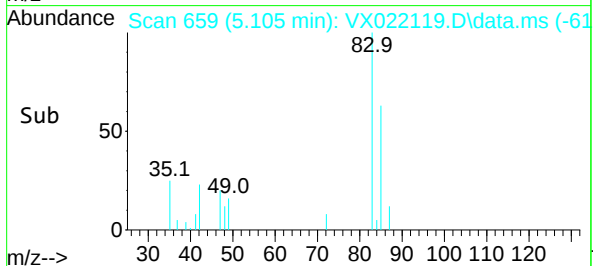
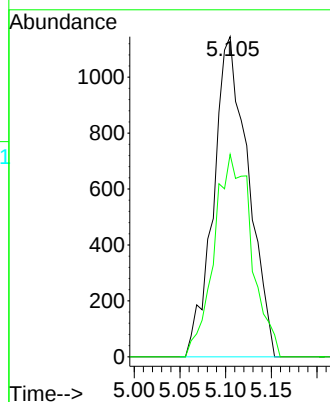
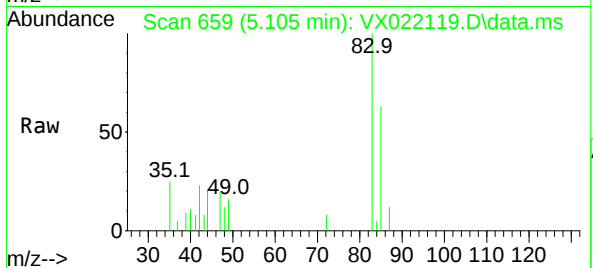
WASTE-WATER

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 52.05 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX022119.D

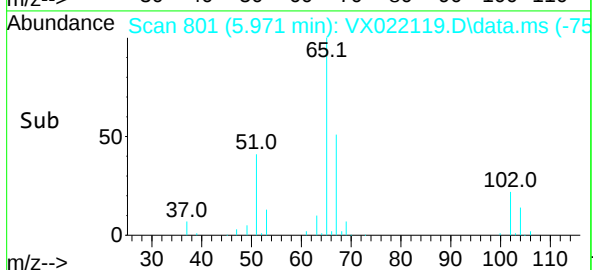
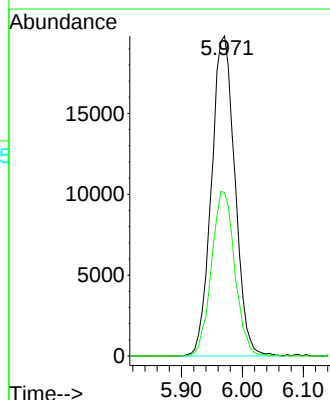
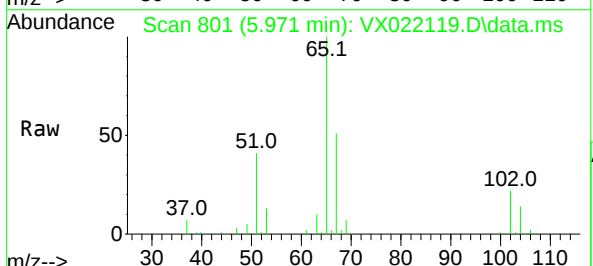
Acq: 21 May 2021 16:39

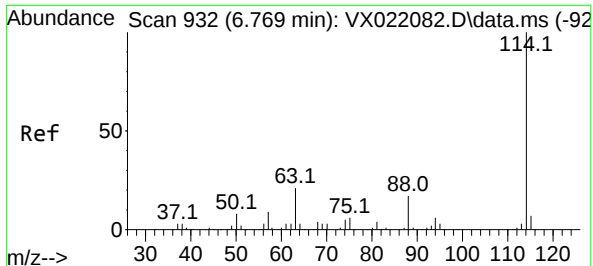
Tgt Ion: 65 Resp: 52899

Ion Ratio Lower Upper

65 100

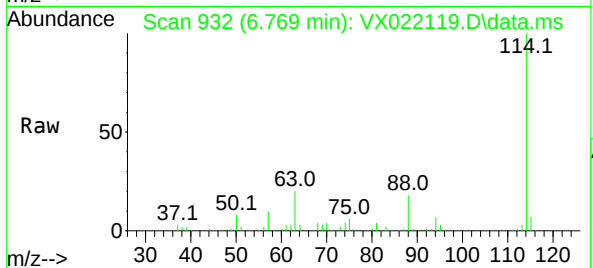
67 51.2 0.0 105.4





#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

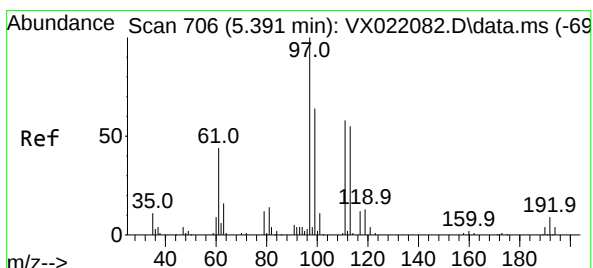
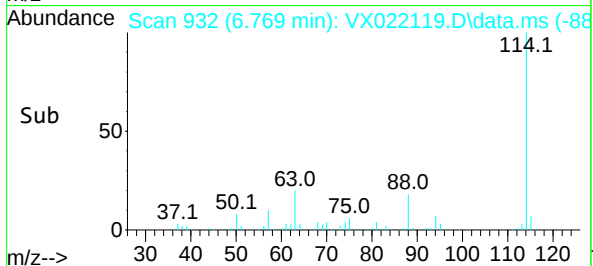
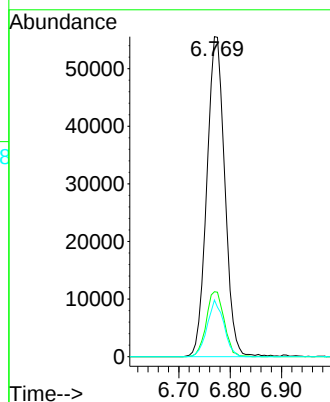
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-WATER



Tgt Ion:114 Resp: 134750  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 40.8  
88 17.7 0.0 32.8

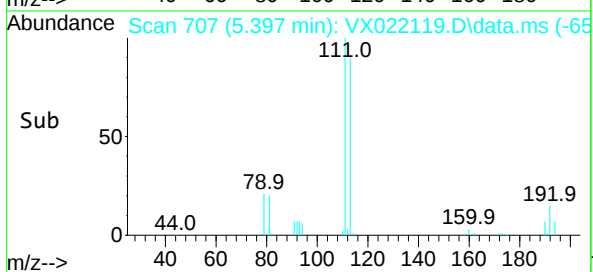
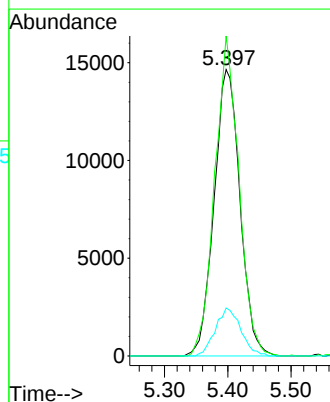
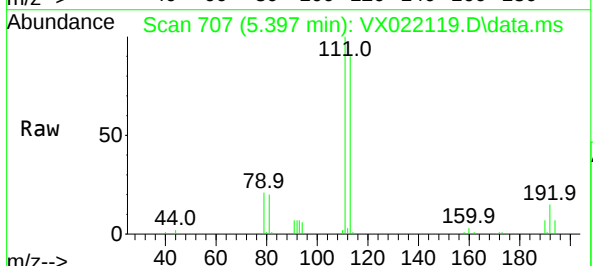
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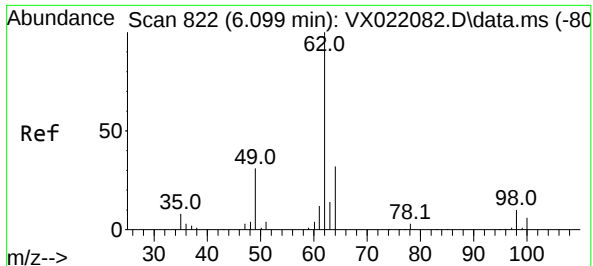
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#35  
Dibromofluoromethane  
Concen: 48.74 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

Tgt Ion:113 Resp: 41652  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.9 122.9  
192 16.5 16.7 25.1#





#42

1,2-Dichloroethane

Concen: 1.10 ug/l m

RT: 6.105 min Scan# 823

Delta R.T. 0.006 min

Lab File: VX022119.D

Acq: 21 May 2021 16:39

Tgt Ion: 62 Resp: 1481

Ion Ratio Lower Upper

62 100

98 5.1 0.0 20.2

Instrument :

MSVOA\_X

ClientSampleId :

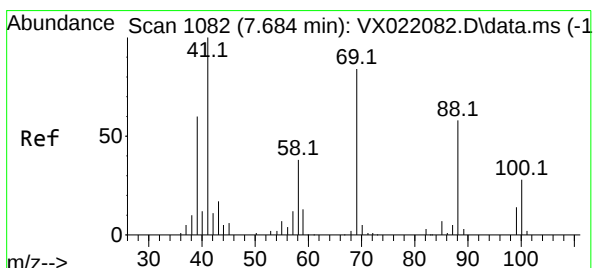
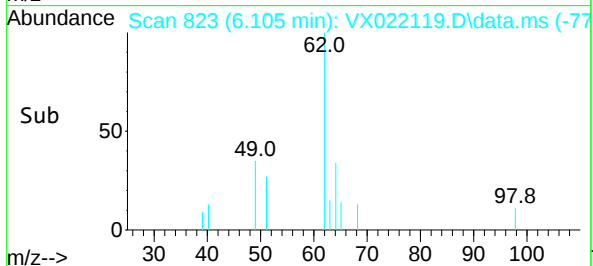
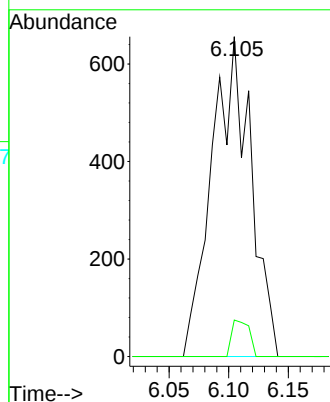
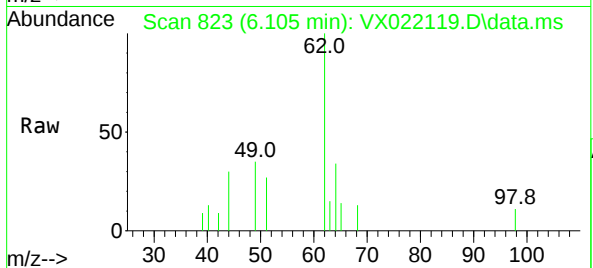
WASTE-WATER

Manual Integrations

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#49

1,4-Dioxane

Concen: 649.49 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. -0.013 min

Lab File: VX022119.D

Acq: 21 May 2021 16:39

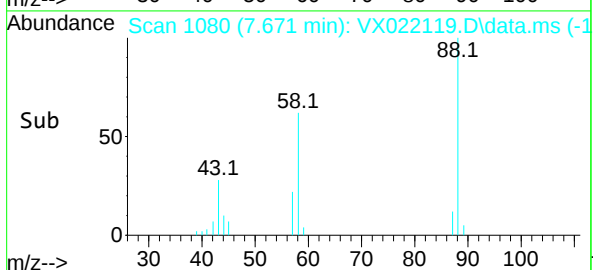
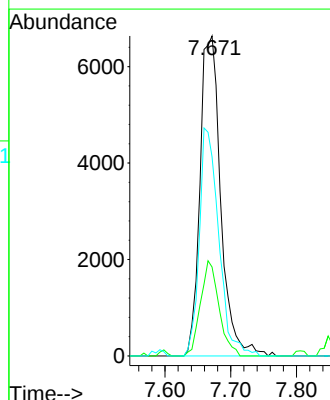
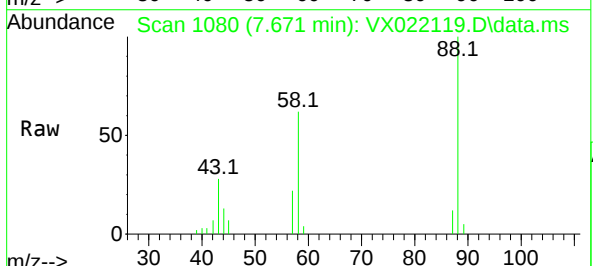
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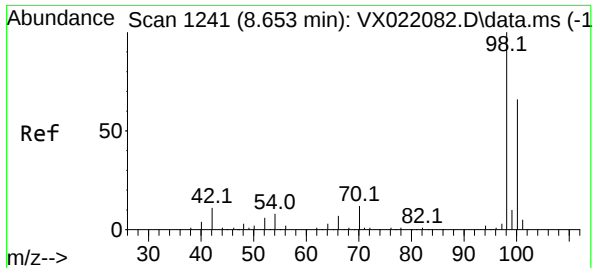
Ion Ratio Lower Upper

88 100

43 26.5 23.2 34.8

58 67.0 55.0 82.4





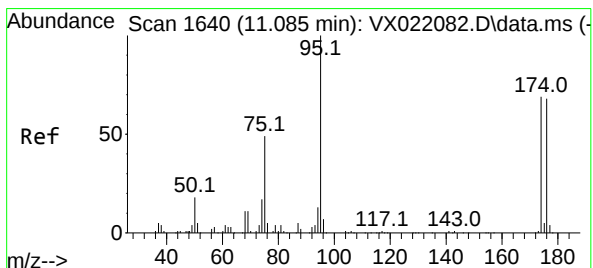
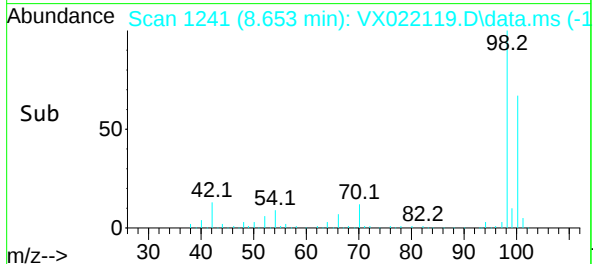
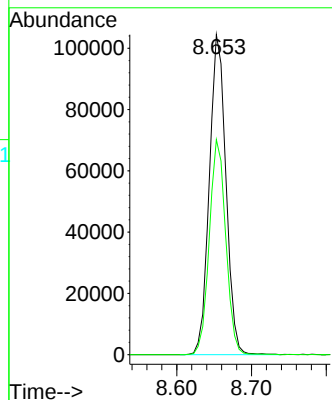
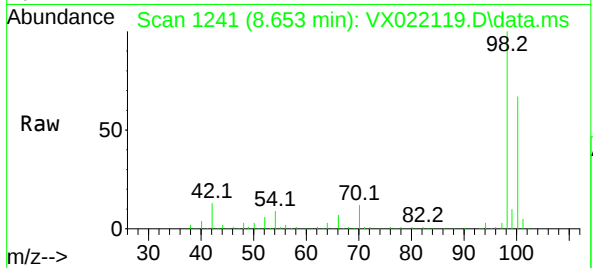
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Toluene-d8  
Concen: 48.86 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

Tgt Ion: 98 Resp: 160830  
Ion Ratio Lower Upper  
98 100  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-WATER

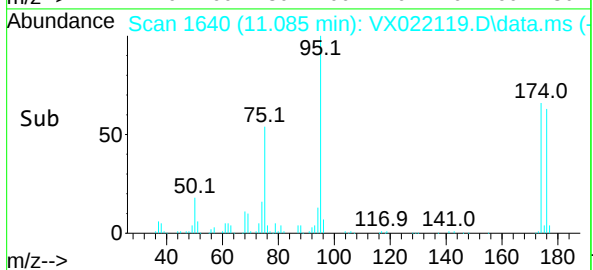
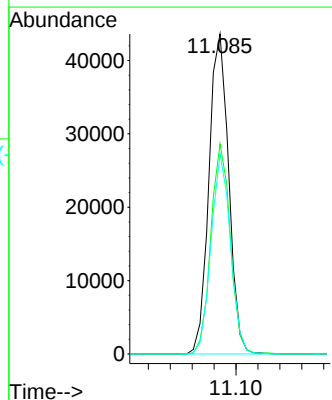
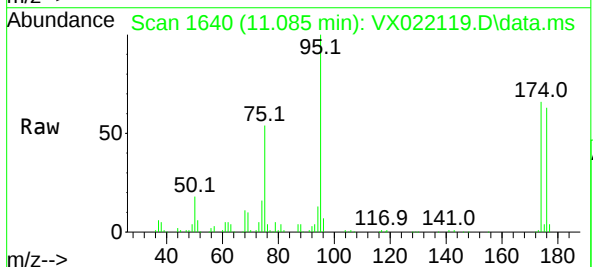
Manual Integrations  
APPROVED

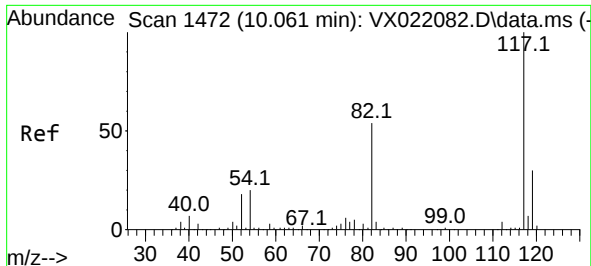
MMDadoda  
5/24/2021 3:50:28 PM



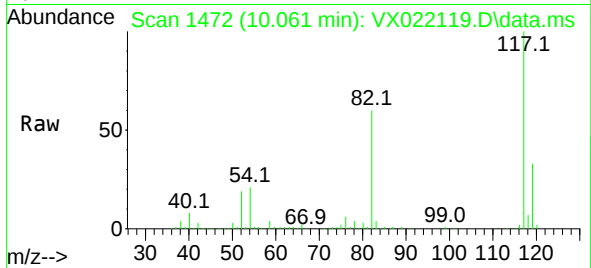
#62  
4-Bromofluorobenzene  
Concen: 44.79 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39

Tgt Ion: 95 Resp: 54499  
Ion Ratio Lower Upper  
95 100  
174 64.6 0.0 154.6  
176 61.6 0.0 155.8

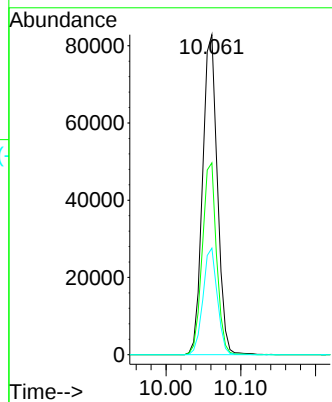
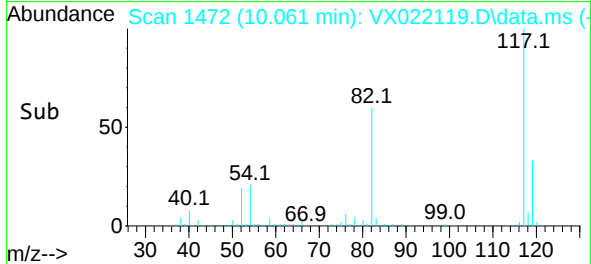




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39



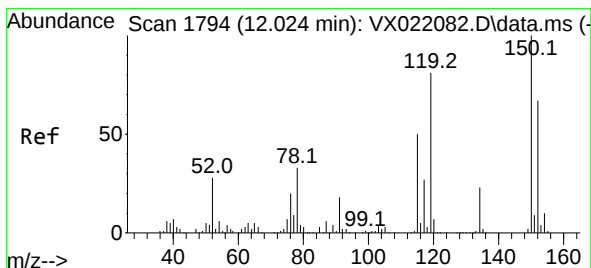
Tgt Ion:117 Resp: 113853  
Ion Ratio Lower Upper  
117 100  
82 60.0 47.4 71.2  
119 33.3 26.6 39.8



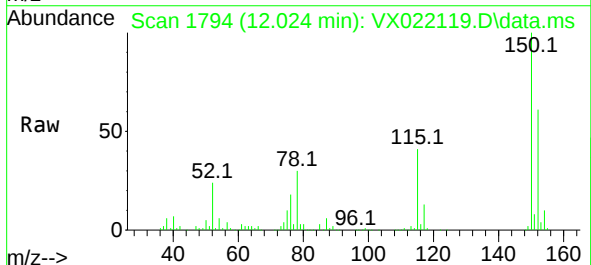
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-WATER

Manual Integrations  
APPROVED

MMDadoda  
5/24/2021 3:50:28 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022119.D  
Acq: 21 May 2021 16:39



Tgt Ion:152 Resp: 41717  
Ion Ratio Lower Upper  
152 100  
115 66.2 41.1 123.3  
150 161.0 0.0 349.0

