

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091223\  
 Data File : VX037677.D  
 Acq On : 12 Sep 2023 18:39  
 Operator : JC/MD  
 Sample : 04373-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1045-MW-17A(15.5)

Quant Time: Sep 13 01:48:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 10:10:04 2023  
 Response via : Initial Calibration

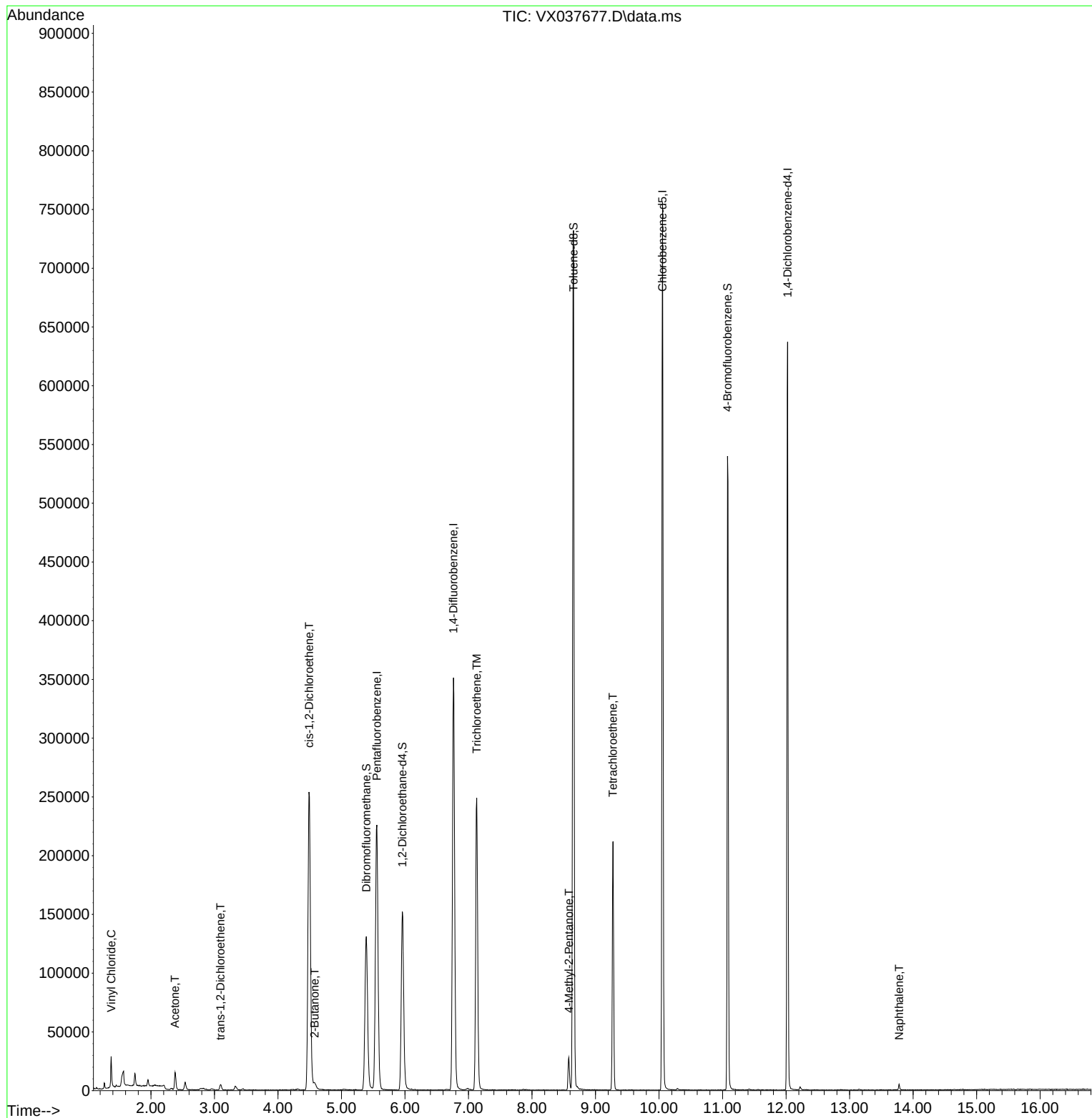
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 209064   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 360564   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 327423   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 129709   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 144883   | 42.833   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 85.660%  |
| 35) Dibromofluoromethane     | 5.391  | 113   | 113956   | 44.589   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 89.180%  |
| 50) Toluene-d8               | 8.653  | 98    | 444334   | 46.099   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 92.200%  |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 142674   | 41.029   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 82.060%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride            | 1.374  | 62    | 13898    | 4.731    | ug/l   | 97       |
| 16) Acetone                  | 2.379  | 43    | 14862    | 10.868   | ug/l # | 88       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 1507     | 0.609    | ug/l   | 87       |
| 25) 2-Butanone               | 4.574  | 43    | 9654     | 4.330    | ug/l # | 88       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 161628   | 53.560   | ug/l   | 84       |
| 44) Trichloroethene          | 7.129  | 130   | 92045    | 34.953   | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone     | 8.580  | 43    | 16858    | 4.045    | ug/l   | 95       |
| 64) Tetrachloroethene        | 9.275  | 164   | 36538    | 17.224   | ug/l   | 96       |
| 95) Naphthalene              | 13.780 | 128   | 3391     | 0.356    | ug/l # | 94       |
| -----                        |        |       |          |          |        |          |

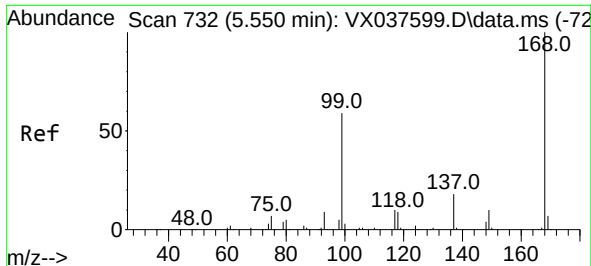
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1045-MW-17A(15.5)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 10:10:04 2023  
Response via : Initial Calibration

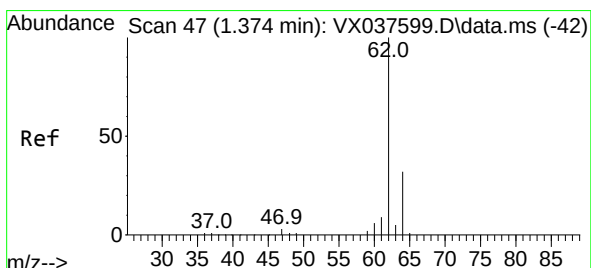
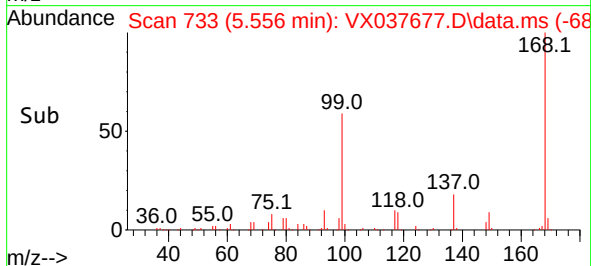
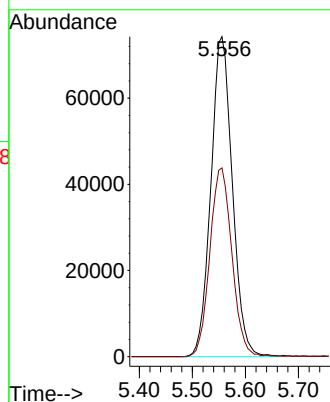
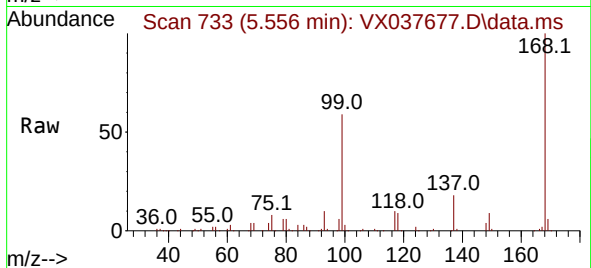




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

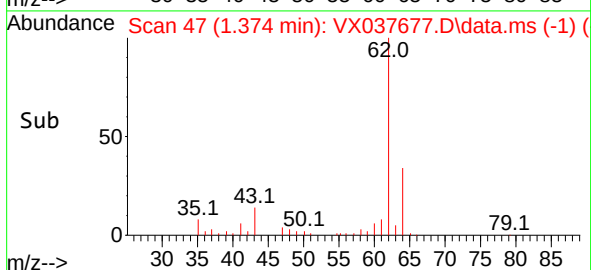
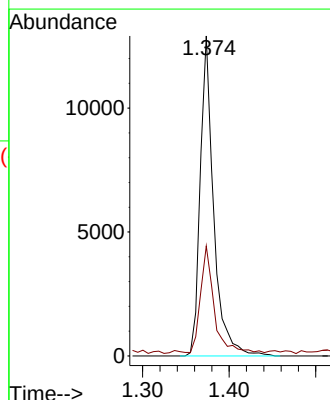
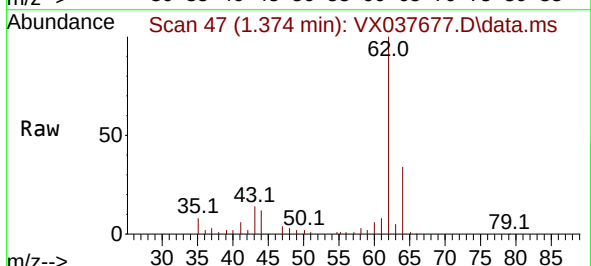
Instrument :  
MSVOA\_X  
ClientSampleId :  
1045-MW-17A(15.5)

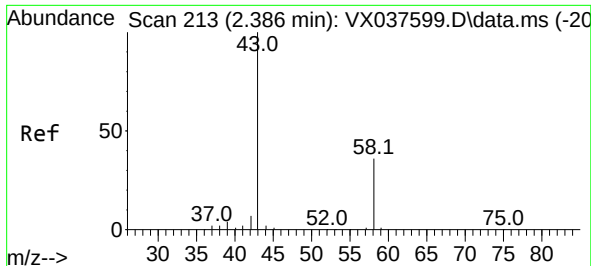
Tgt Ion:168 Resp: 209064  
Ion Ratio Lower Upper  
168 100  
99 59.0 56.6 85.0



#4  
Vinyl Chloride  
Concen: 4.731 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

Tgt Ion: 62 Resp: 13898  
Ion Ratio Lower Upper  
62 100  
64 33.1 25.4 38.0

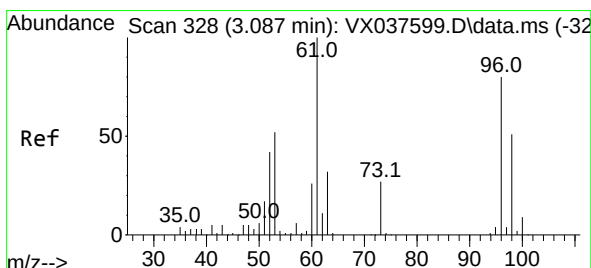
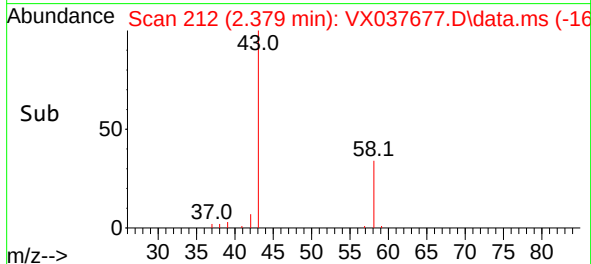
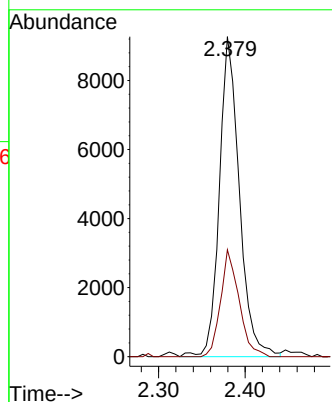
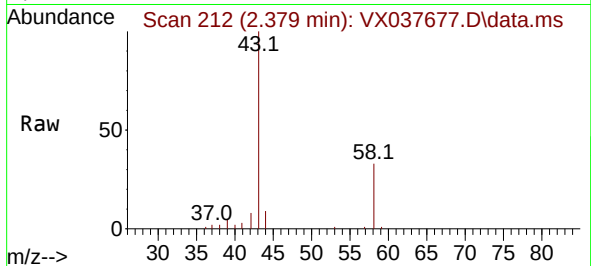




#16  
Acetone  
Concen: 10.868 ug/l  
RT: 2.379 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

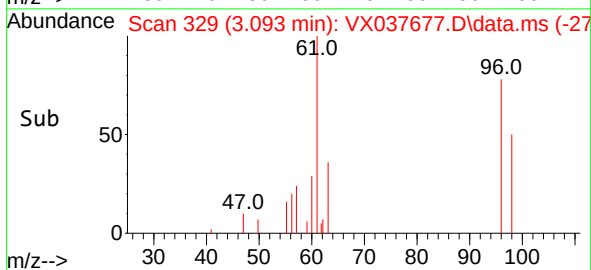
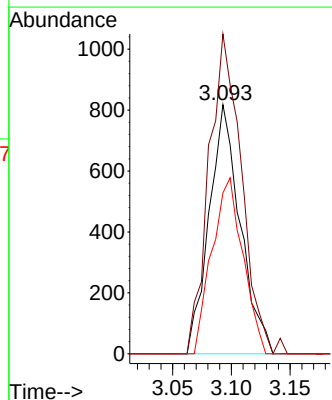
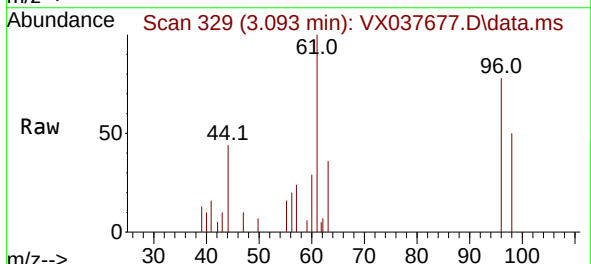
Instrument :  
MSVOA\_X  
ClientSampleId :  
1045-MW-17A(15.5)

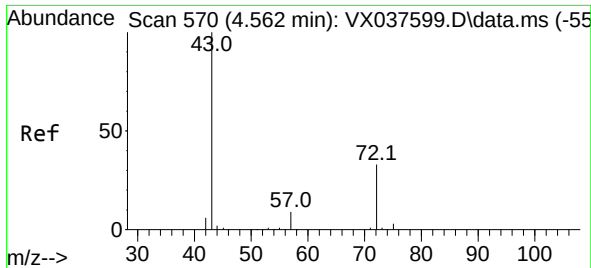
Tgt Ion: 43 Resp: 14862  
Ion Ratio Lower Upper  
43 100  
58 33.4 21.9 32.9#



#21  
trans-1,2-Dichloroethene  
Concen: 0.609 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. 0.006 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

Tgt Ion: 96 Resp: 1507  
Ion Ratio Lower Upper  
96 100  
61 128.4 119.2 178.8  
98 64.5 48.7 73.1





#25

2-Butanone

Concen: 4.330 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA\_X

ClientSampleId :

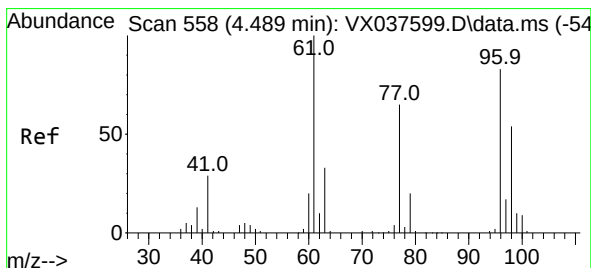
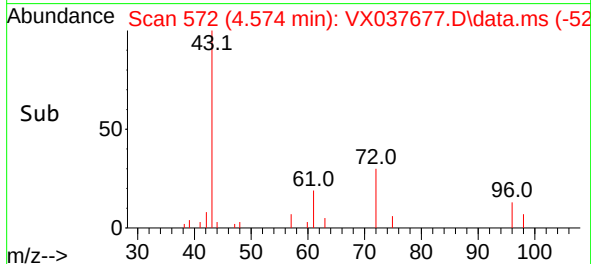
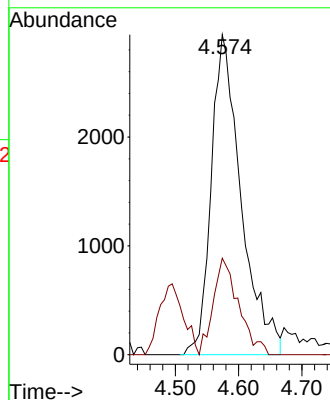
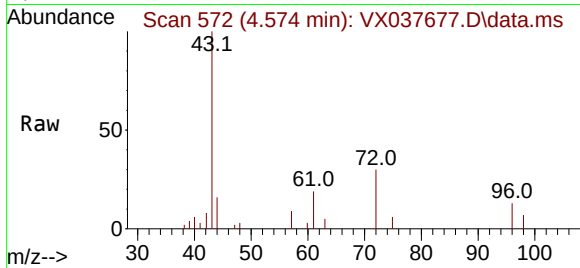
1045-MW-17A(15.5)

Tgt Ion: 43 Resp: 9654

Ion Ratio Lower Upper

43 100

72 30.1 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 53.560 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

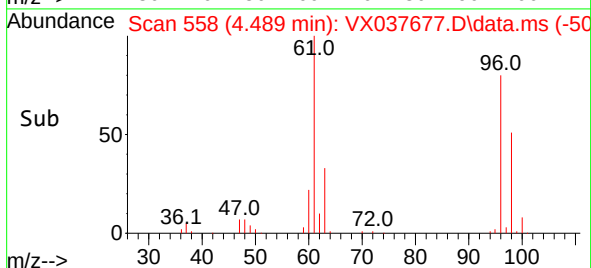
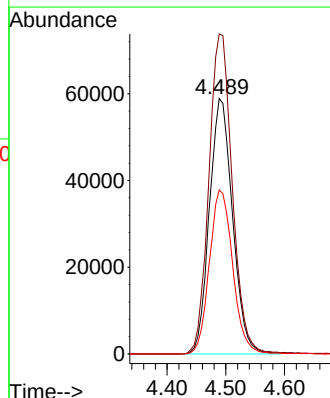
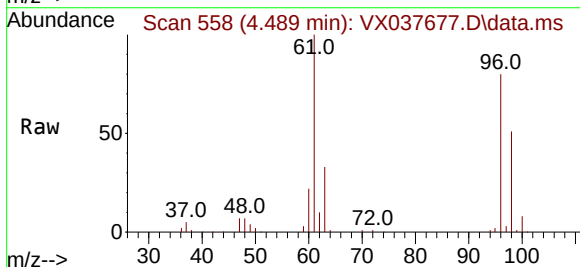
Tgt Ion: 96 Resp: 161628

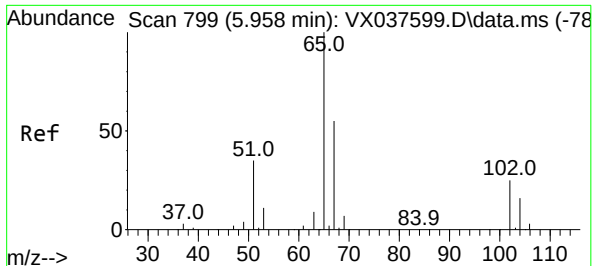
Ion Ratio Lower Upper

96 100

61 126.4 0.0 312.2

98 64.4 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 42.833 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA\_X

ClientSampleId :

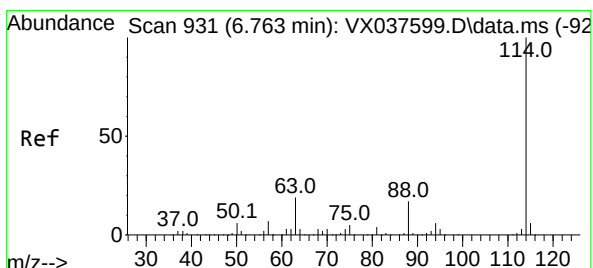
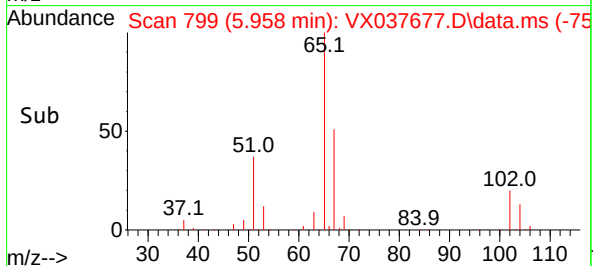
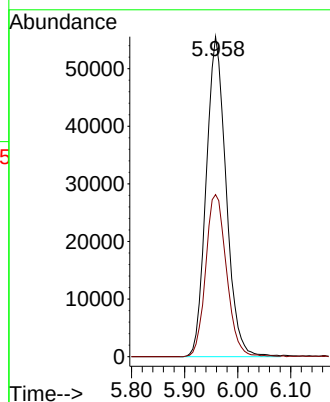
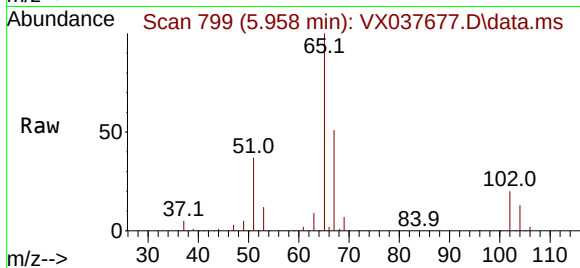
1045-MW-17A(15.5)

Tgt Ion: 65 Resp: 144883

Ion Ratio Lower Upper

65 100

67 53.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

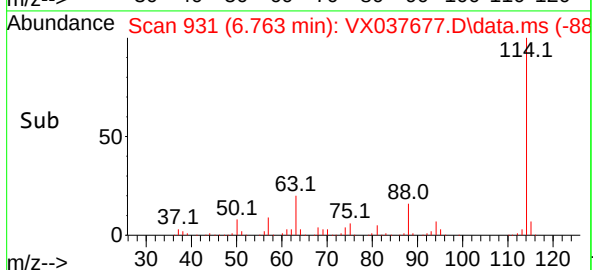
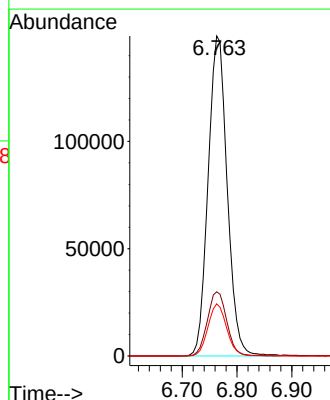
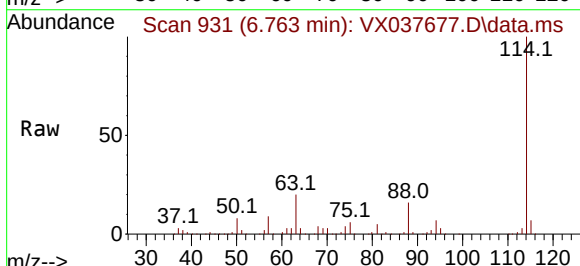
Tgt Ion: 114 Resp: 360564

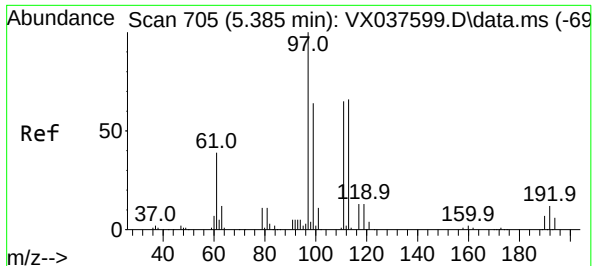
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.3 0.0 36.6

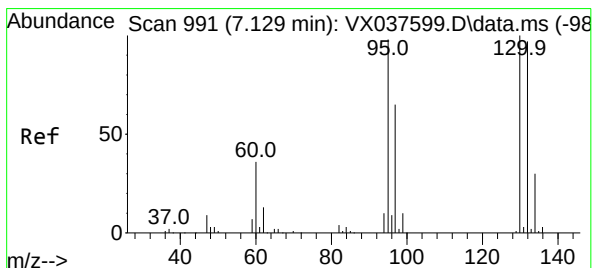
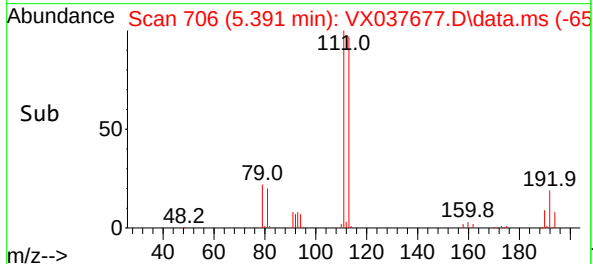
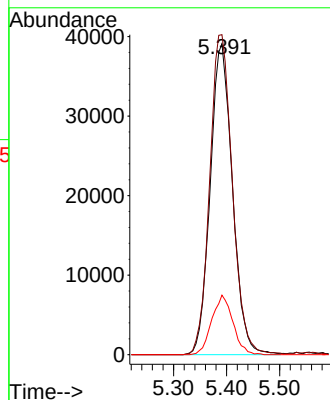
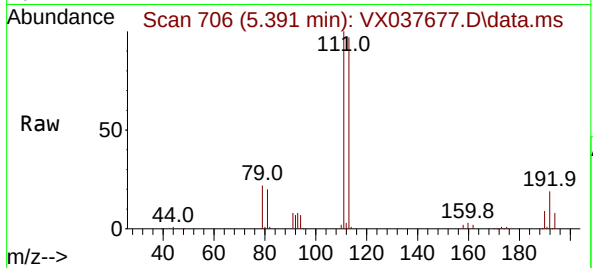




#35  
Dibromofluoromethane  
Concen: 44.589 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

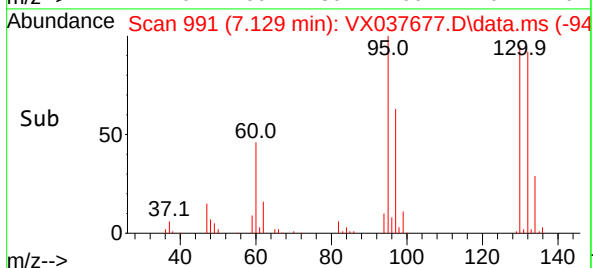
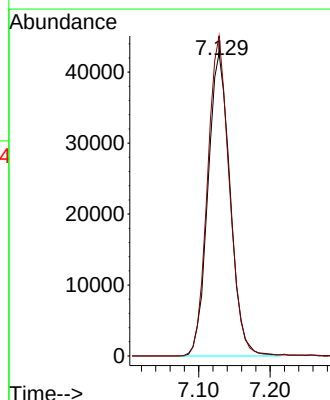
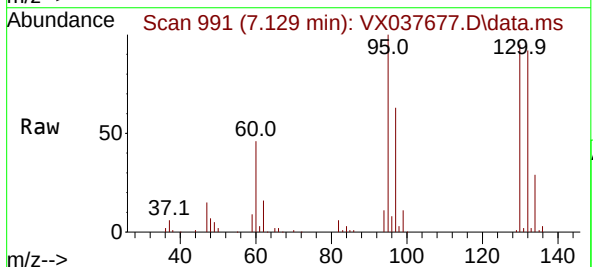
Instrument :  
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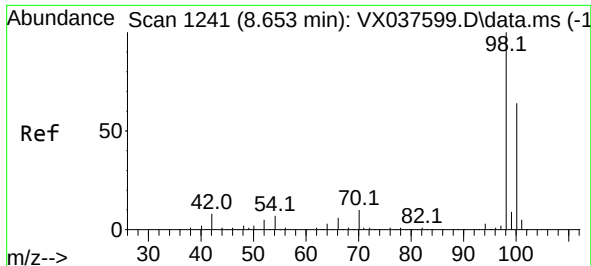
Tgt Ion:113 Resp: 113956  
Ion Ratio Lower Upper  
113 100  
111 105.0 82.9 124.3  
192 18.2 13.3 19.9



#44  
Trichloroethene  
Concen: 34.953 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

Tgt Ion:130 Resp: 92045  
Ion Ratio Lower Upper  
130 100  
95 105.7 0.0 204.4

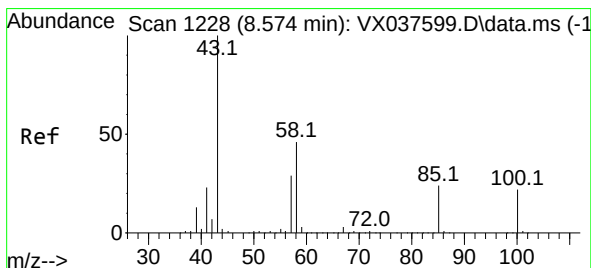
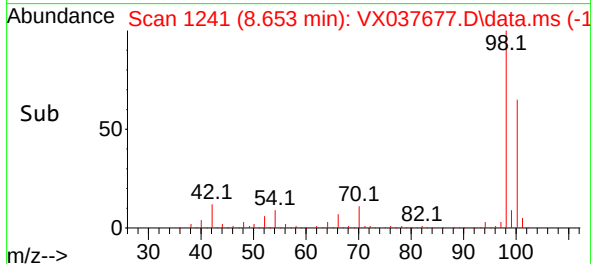
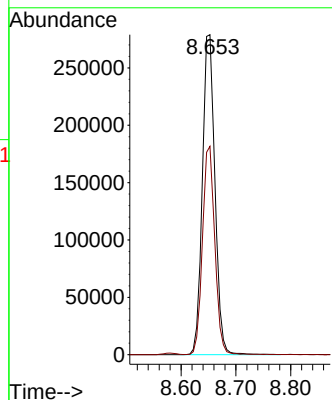
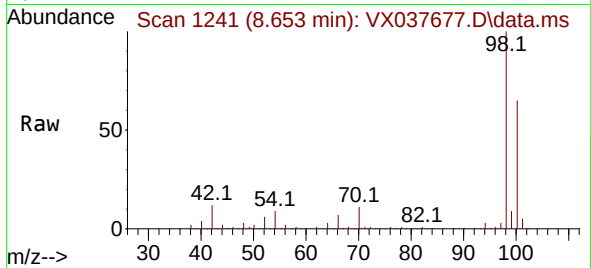




#50  
Toluene-d8  
Concen: 46.099 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

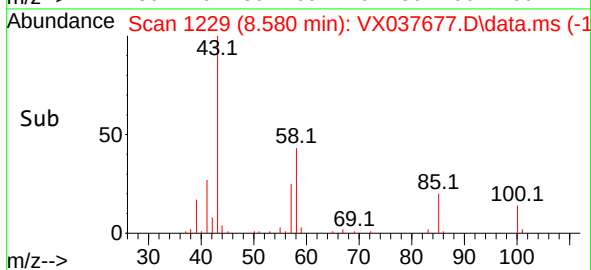
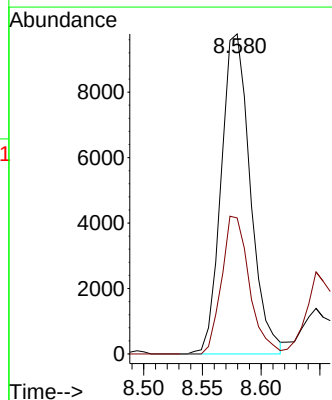
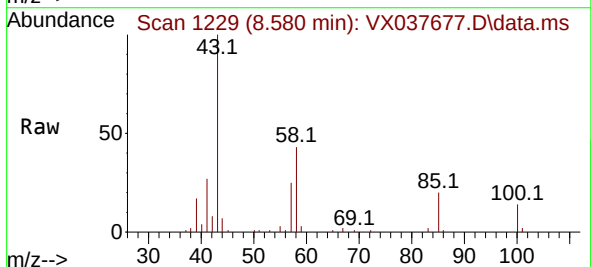
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1045-MW-17A(15.5)

Tgt Ion: 98 Resp: 444334  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.1 79.7

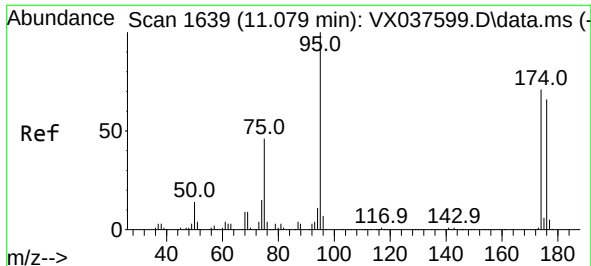


#51  
4-Methyl-2-Pentanone  
Concen: 4.045 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

Tgt Ion: 43 Resp: 16858  
Ion Ratio Lower Upper  
43 100  
58 40.9 30.4 45.6



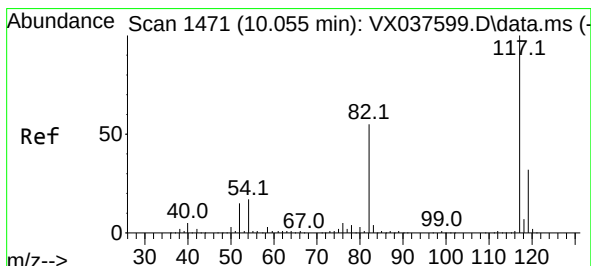
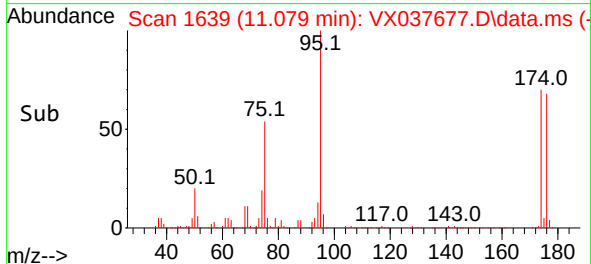
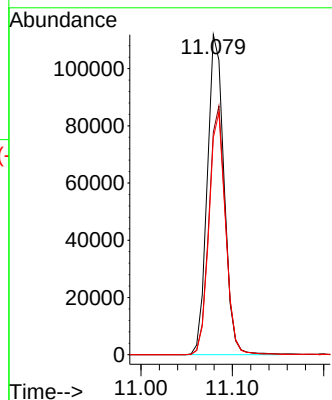
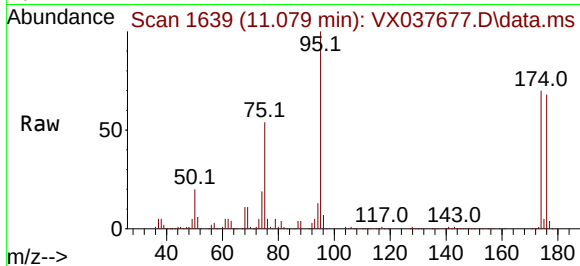




#62  
4-Bromofluorobenzene  
Concen: 41.029 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

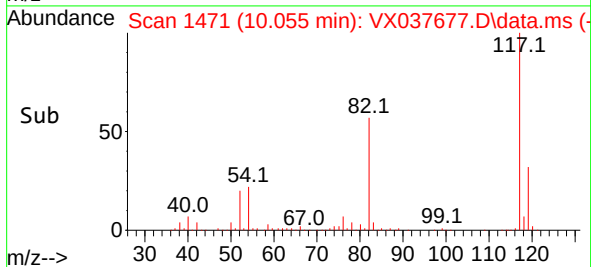
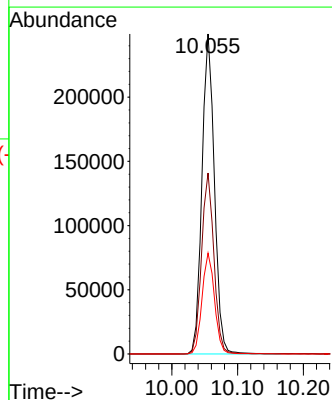
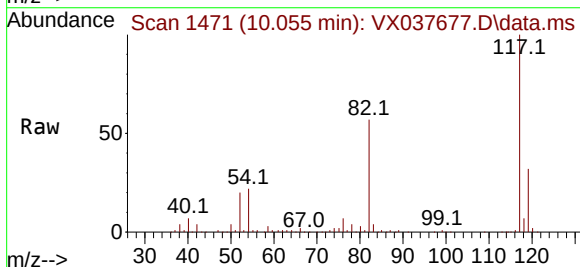
Instrument :  
MSVOA\_X  
ClientSampleId :  
1045-MW-17A(15.5)

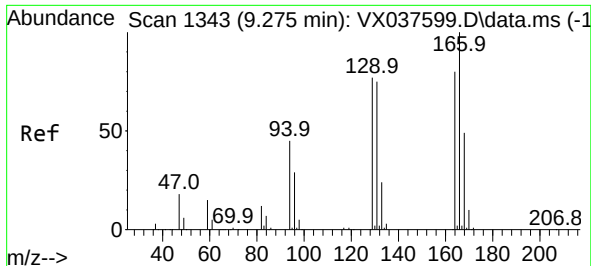
Tgt Ion: 95 Resp: 142674  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 135.6  
176 74.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

Tgt Ion: 117 Resp: 327423  
Ion Ratio Lower Upper  
117 100  
82 56.6 46.2 69.4  
119 31.5 25.5 38.3

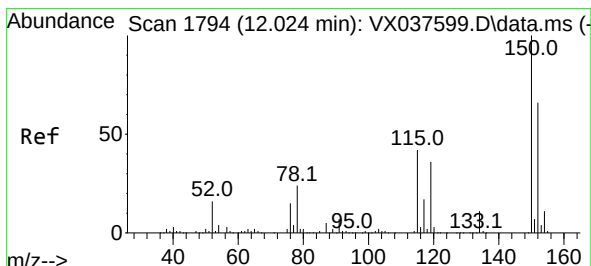
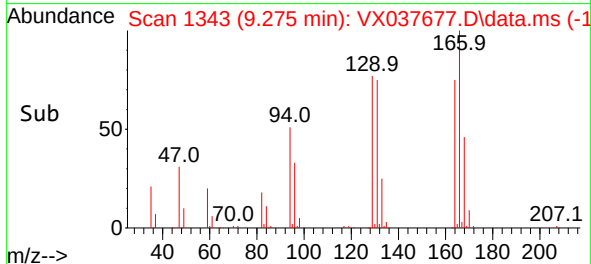
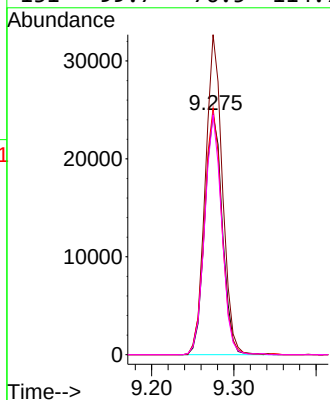
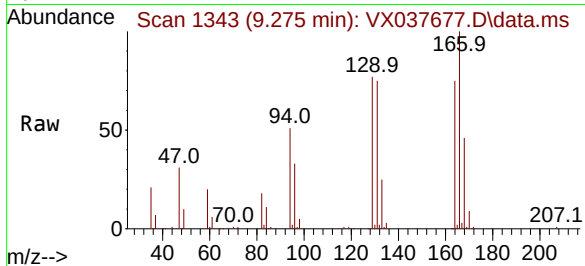




#64  
Tetrachloroethene  
Concen: 17.224 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

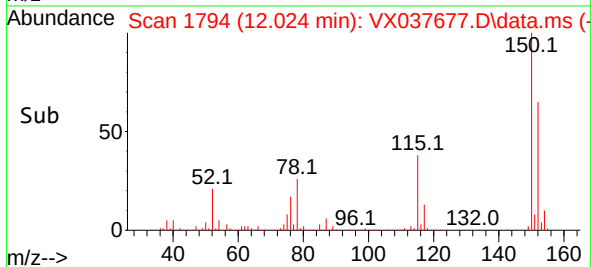
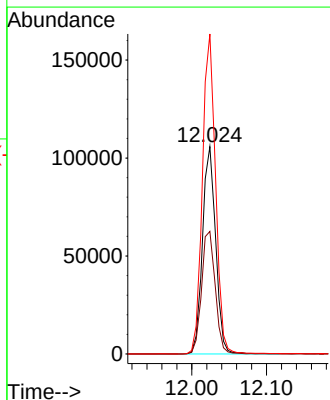
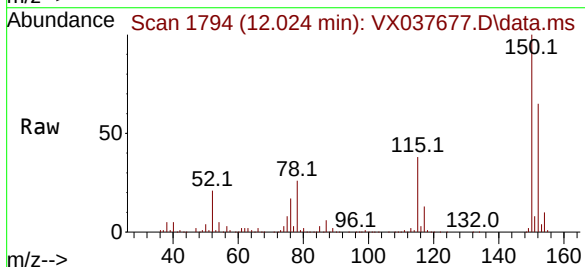
Instrument :  
MSVOA\_X  
ClientSampleId :  
1045-MW-17A(15.5)

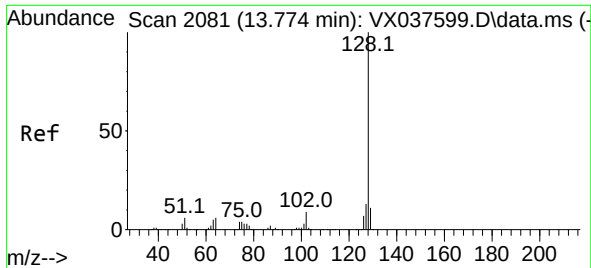
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 36538       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 133.2 | 102.7 154.1 |
| 129         | 102.6 | 80.4 120.6  |
| 131         | 99.7  | 76.5 114.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX037677.D  
Acq: 12 Sep 2023 18:39

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 129709      |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 61.5  | 43.3 129.9  |
| 150         | 154.2 | 0.0 345.0   |





#95

Naphthalene

Concen: 0.356 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037677.D

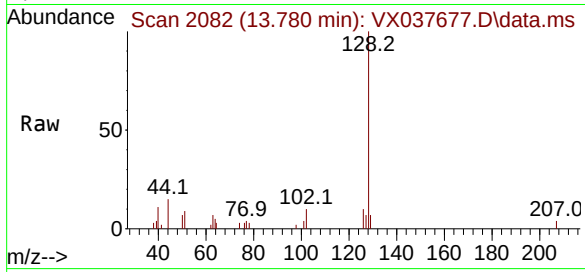
Acq: 12 Sep 2023 18:39

Instrument :

MSVOA\_X

ClientSampleId :

1045-MW-17A(15.5)



Tgt Ion:128 Resp: 3391

Ion Ratio Lower Upper

128 100

127 10.5 10.3 15.5

129 8.5 8.8 13.2#

