

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070623\  
 Data File : VX036438.D  
 Acq On : 06 Jul 2023 16:17  
 Operator : JC/MD  
 Sample : 03514-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CP-4

Quant Time: Jul 07 01:49:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 15:03:28 2023  
 Response via : Initial Calibration

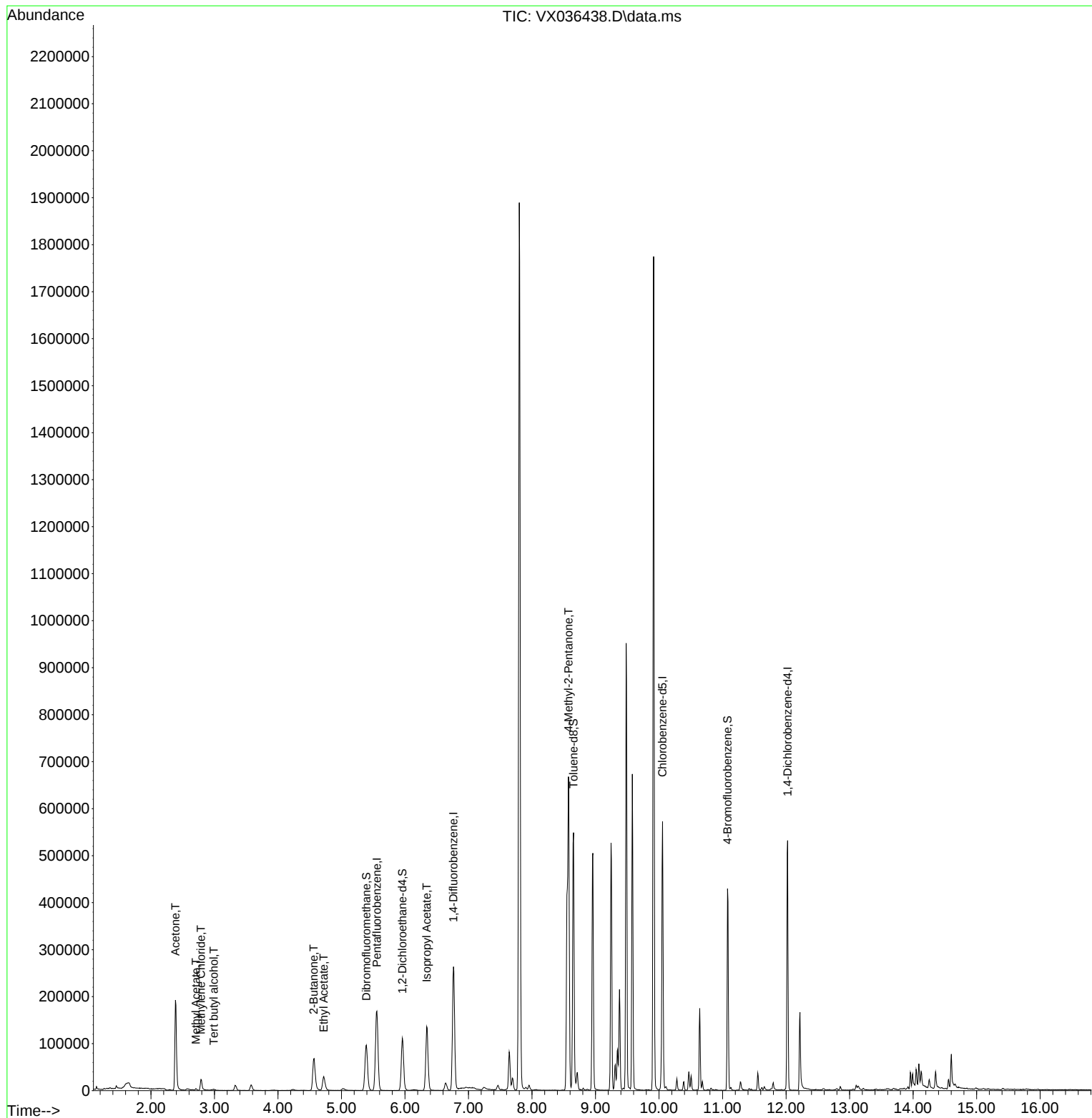
| Compound                    | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|-------|----------|
| -----                       |                |      |            |         |       |          |
| Internal Standards          |                |      |            |         |       |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 160241     | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 271493     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 244970     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 106725     | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 103694     | 45.144  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 90.280% |       |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 84941      | 47.449  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 94.900% |       |          |
| 50) Toluene-d8              | 8.653          | 98   | 331204     | 49.536  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 99.080% |       |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 114527     | 48.629  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 97.260% |       |          |
| Target Compounds            |                |      |            |         |       |          |
|                             |                |      |            |         |       | Qvalue   |
| 11) Tert butyl alcohol      | 2.989          | 59   | 4895       | 11.707  | ug/l  | # 91     |
| 16) Acetone                 | 2.386          | 43   | 220911     | 225.011 | ug/l  | 95       |
| 18) Methyl Acetate          | 2.709          | 43   | 4613       | 1.143   | ug/l  | 98       |
| 20) Methylene Chloride      | 2.788          | 84   | 12720      | 6.017   | ug/l  | 91       |
| 25) 2-Butanone              | 4.562          | 43   | 119719     | 84.870  | ug/l  | 97       |
| 37) Ethyl Acetate           | 4.721          | 43   | 51183      | 18.819  | ug/l  | 97       |
| 43) Isopropyl Acetate       | 6.342          | 43   | 181958     | 41.939  | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone    | 8.573          | 43   | 497953     | 178.142 | ug/l  | 88       |
| -----                       |                |      |            |         |       |          |

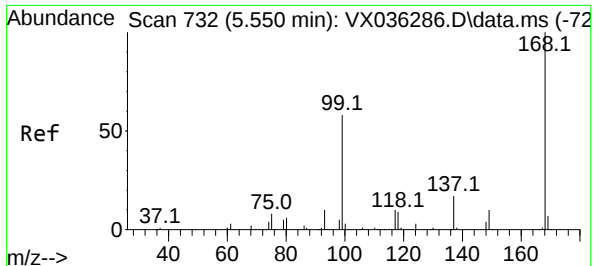
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 23 15:03:28 2023  
Response via : Initial Calibration

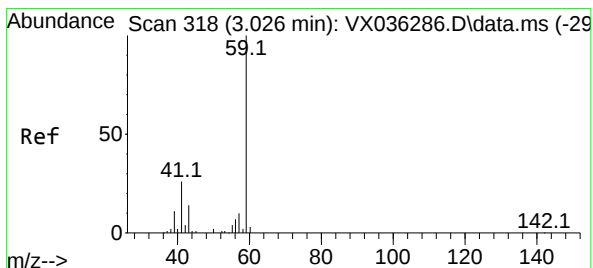
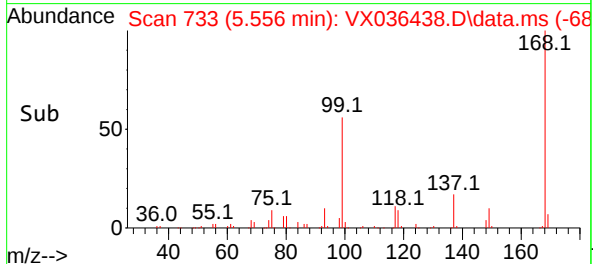
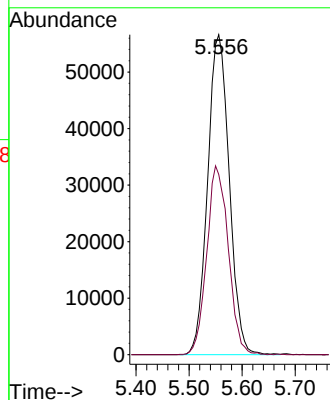
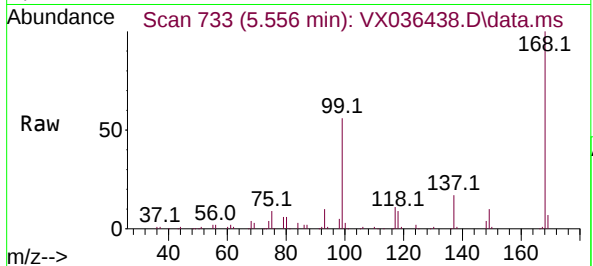




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

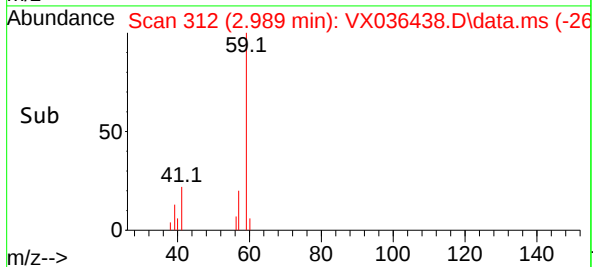
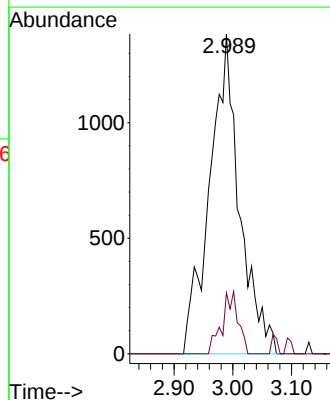
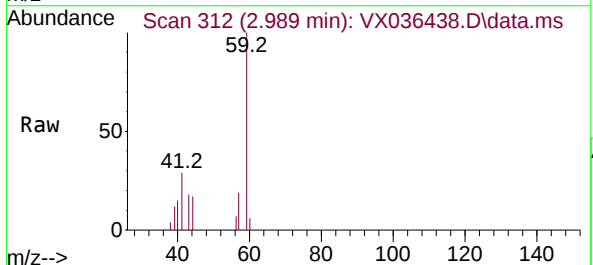
Instrument :  
MSVOA\_X  
ClientSampleId :  
CP-4

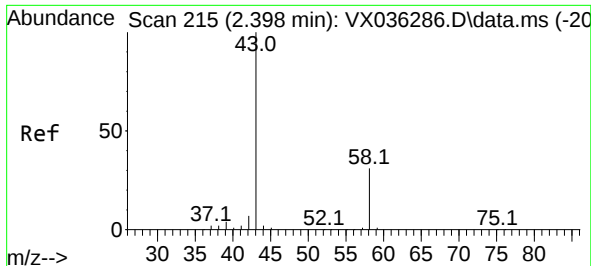
Tgt Ion:168 Resp: 160241  
Ion Ratio Lower Upper  
168 100  
99 56.2 56.6 85.0#



#11  
Tert butyl alcohol  
Concen: 11.707 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.024 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

Tgt Ion: 59 Resp: 4895  
Ion Ratio Lower Upper  
59 100  
57 10.5 6.0 9.0#

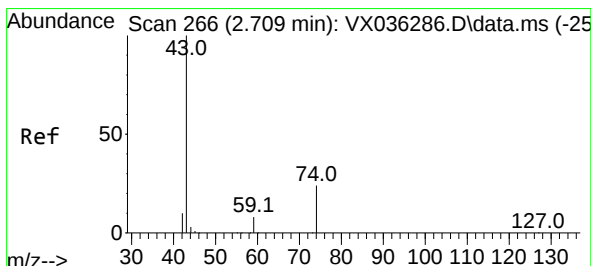
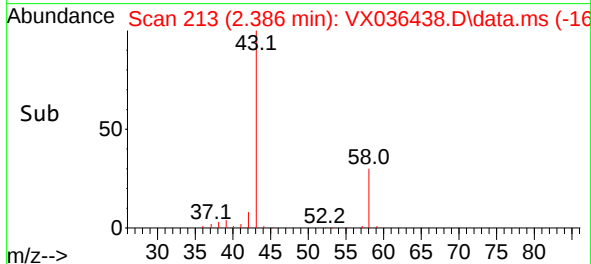
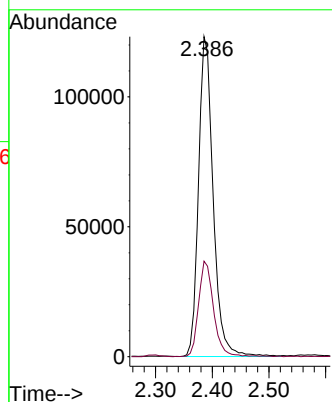
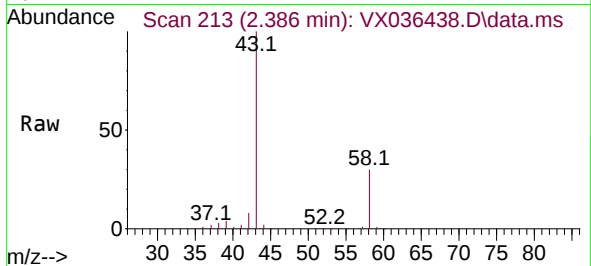




#16  
Acetone  
Concen: 225.011 ug/l  
RT: 2.386 min Scan# 215  
Delta R.T. -0.018 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

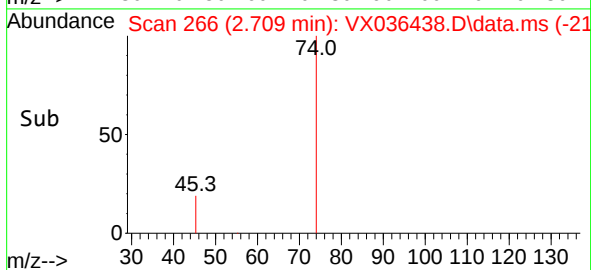
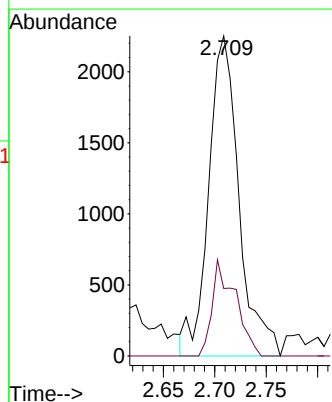
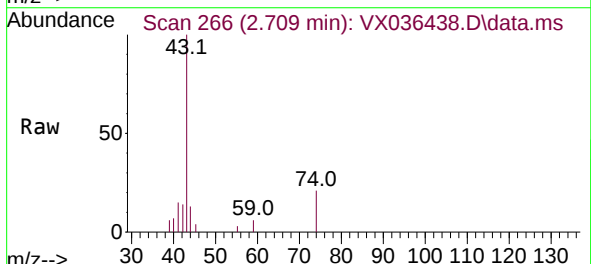
Instrument :  
MSVOA\_X  
ClientSampleId :  
CP-4

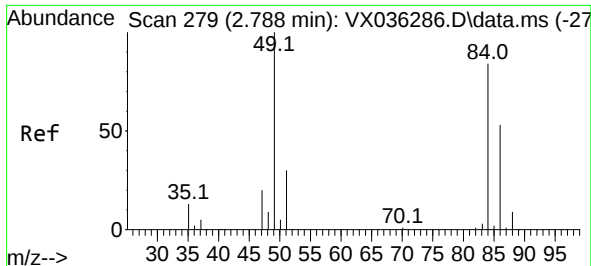
Tgt Ion: 43 Resp: 220911  
Ion Ratio Lower Upper  
43 100  
58 29.8 21.9 32.9



#18  
Methyl Acetate  
Concen: 1.143 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

Tgt Ion: 43 Resp: 4613  
Ion Ratio Lower Upper  
43 100  
74 23.0 17.8 26.8

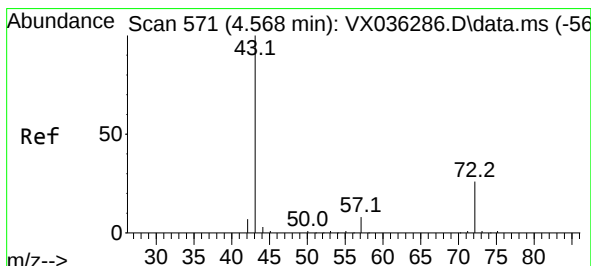
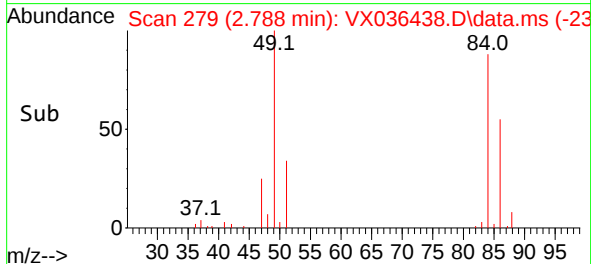
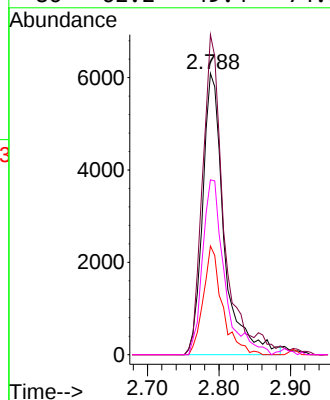
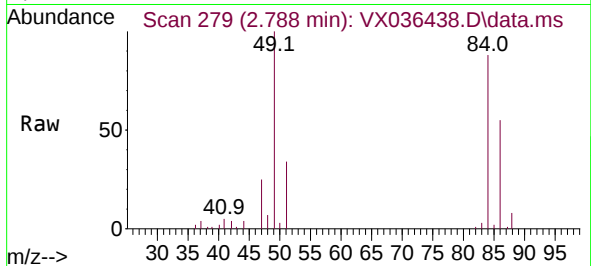




#20  
Methylene Chloride  
Concen: 6.017 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

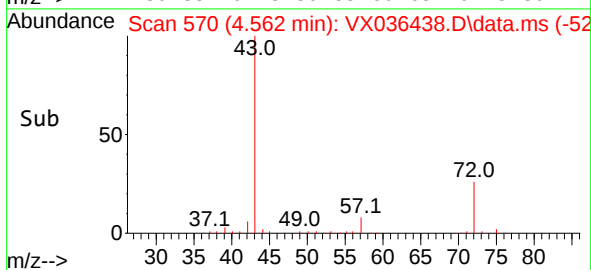
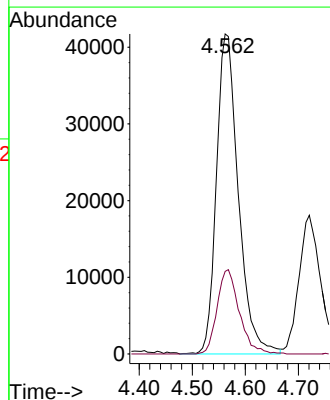
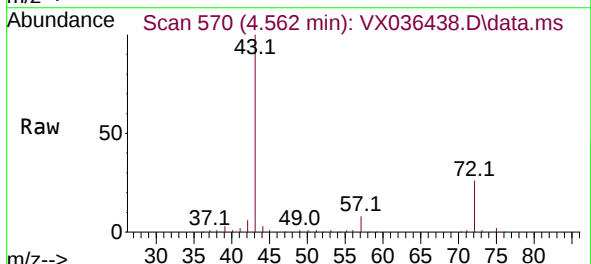
Instrument :  
MSVOA\_X  
ClientSampleId :  
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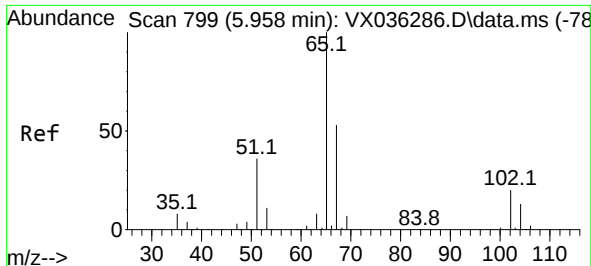
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12720 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.8 | 103.6 | 155.4 |
| 51       | 38.6  | 33.8  | 50.6  |
| 86       | 62.2  | 49.4  | 74.0  |



#25  
2-Butanone  
Concen: 84.870 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. -0.006 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 119719 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 72       | 25.8  | 19.4  | 29.2   |

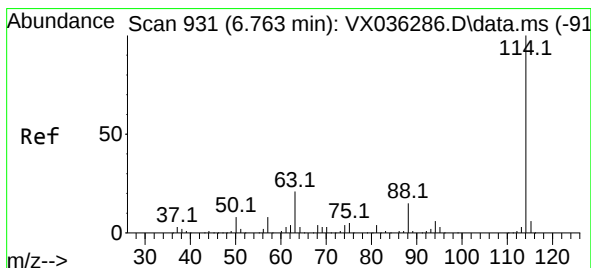
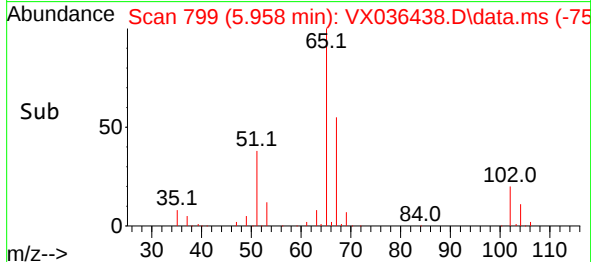
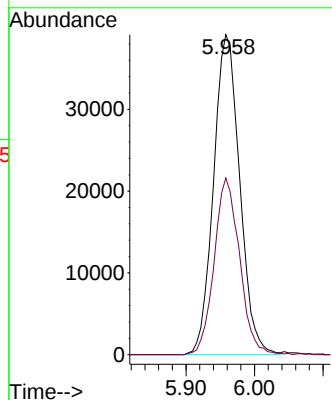
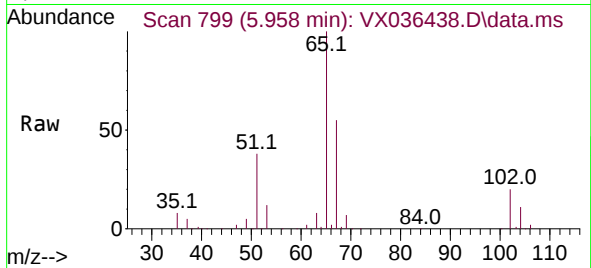




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.144 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX036438.D  
 Acq: 06 Jul 2023 16:17

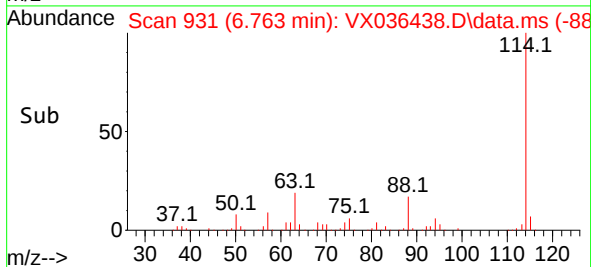
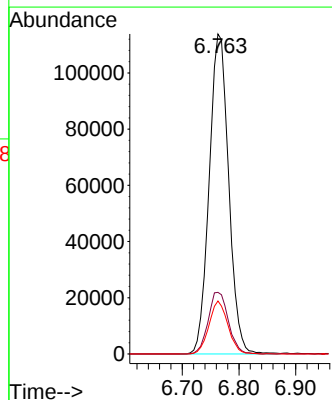
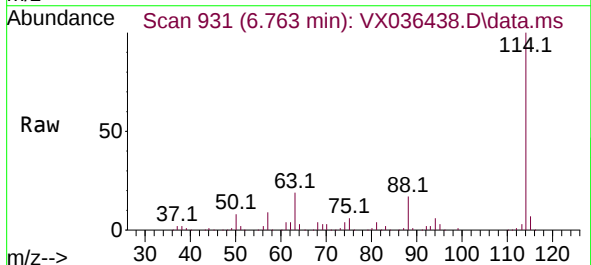
Instrument :  
 MSVOA\_X  
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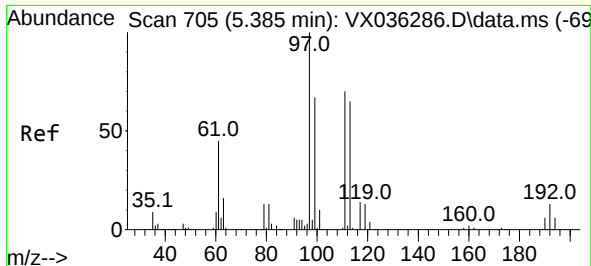
Tgt Ion: 65 Resp: 103694  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX036438.D  
 Acq: 06 Jul 2023 16:17

Tgt Ion: 114 Resp: 271493  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 45.0  
 88 16.5 0.0 36.6

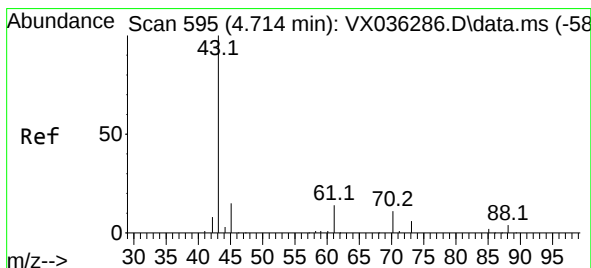
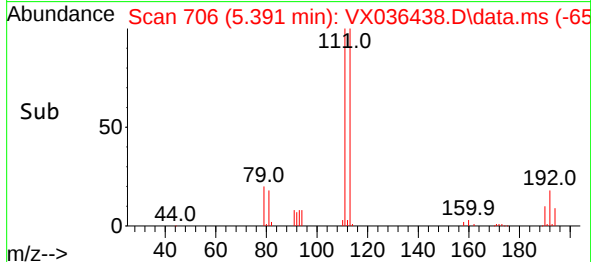
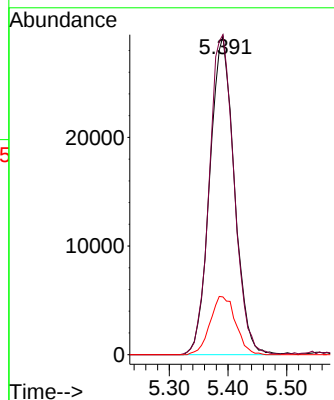
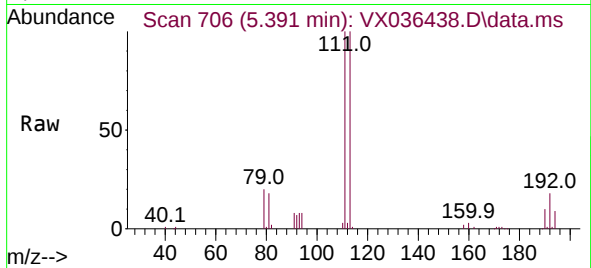




#35  
Dibromofluoromethane  
Concen: 47.449 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

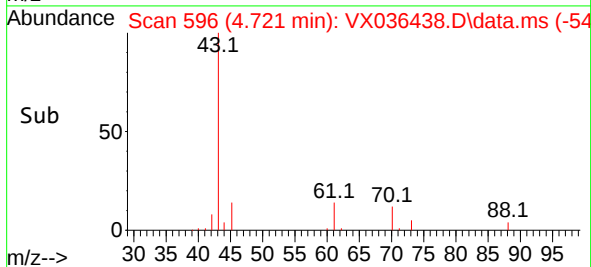
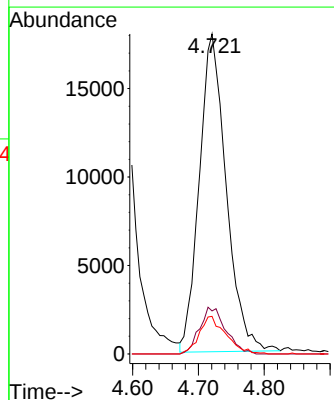
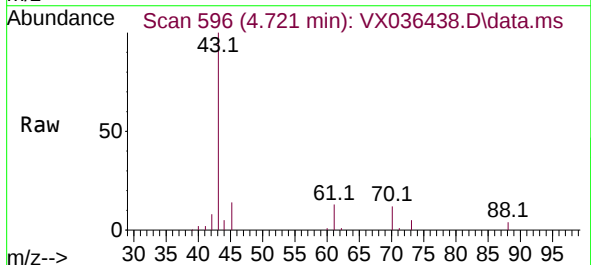
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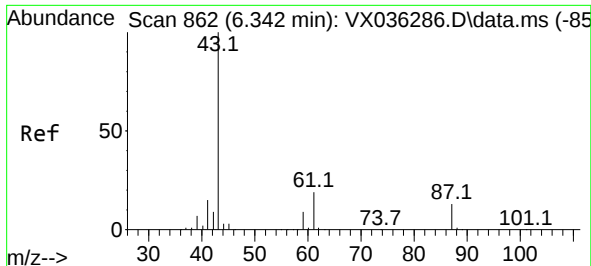
Tgt Ion:113 Resp: 84941  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.9 124.3  
192 19.0 13.3 19.9



#37  
Ethyl Acetate  
Concen: 18.819 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.007 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

Tgt Ion: 43 Resp: 51183  
Ion Ratio Lower Upper  
43 100  
61 14.2 10.6 16.0  
70 11.7 8.3 12.5

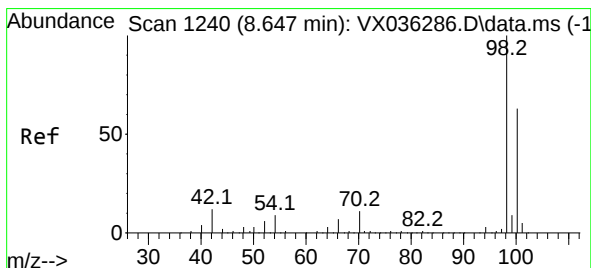
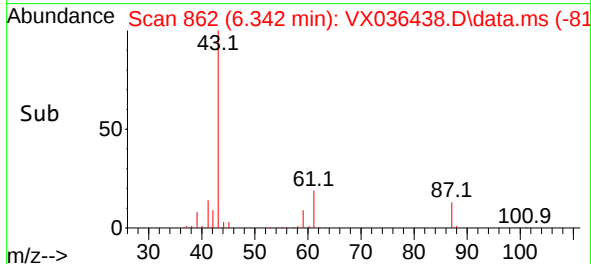
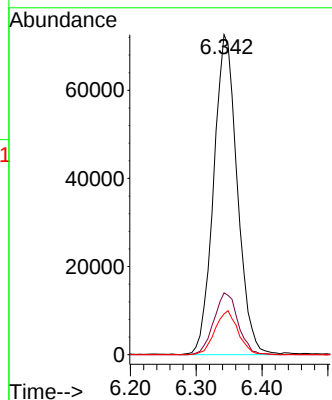
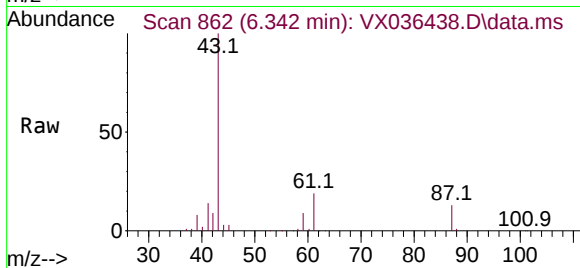




#43  
Isopropyl Acetate  
Concen: 41.939 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

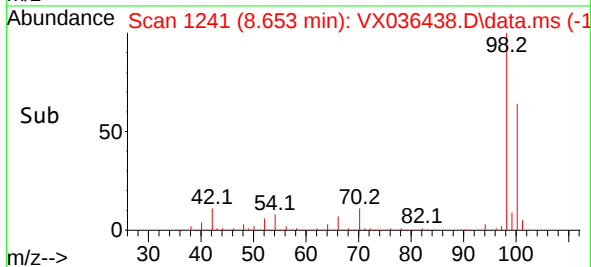
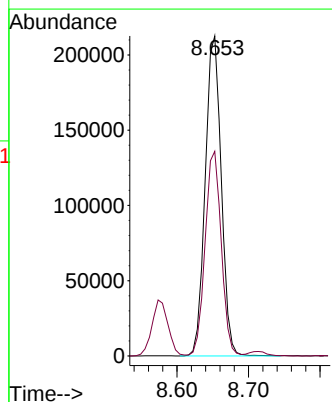
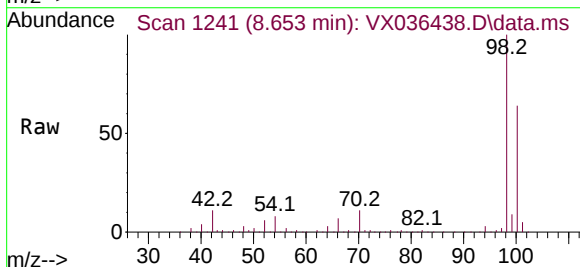
Instrument :  
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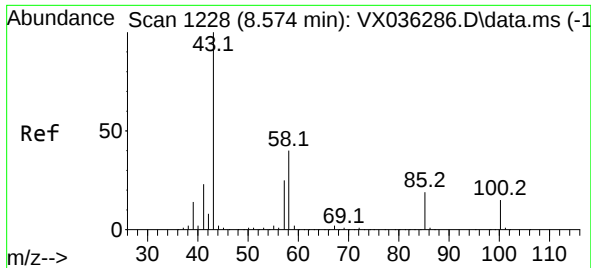
Tgt Ion: 43 Resp: 181958  
Ion Ratio Lower Upper  
43 100  
61 19.7 15.2 22.8  
87 13.4 9.8 14.6



#50  
Toluene-d8  
Concen: 49.536 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.007 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

Tgt Ion: 98 Resp: 331204  
Ion Ratio Lower Upper  
98 100  
100 64.3 53.1 79.7

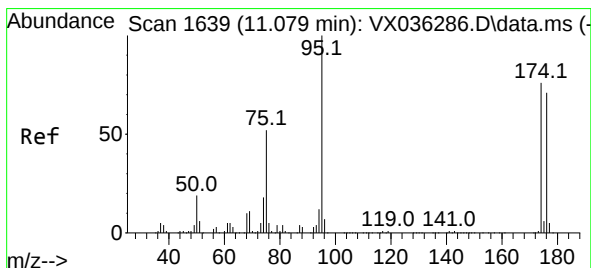
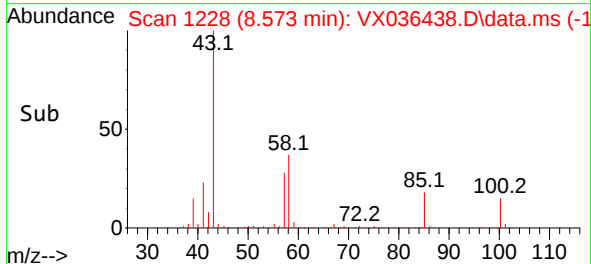
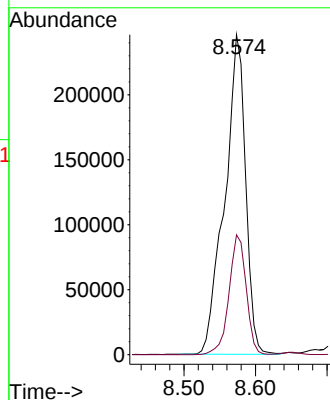
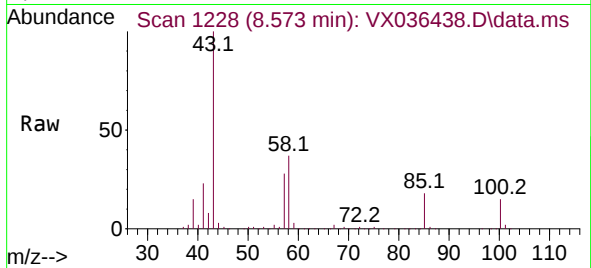




#51  
4-Methyl-2-Pentanone  
Concen: 178.142 ug/l  
RT: 8.573 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

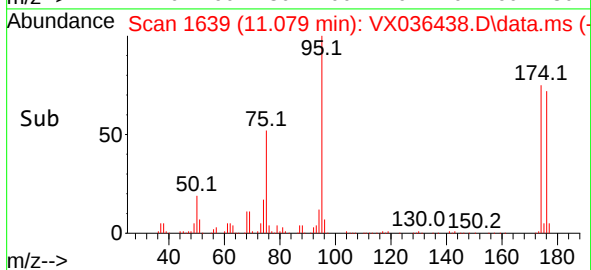
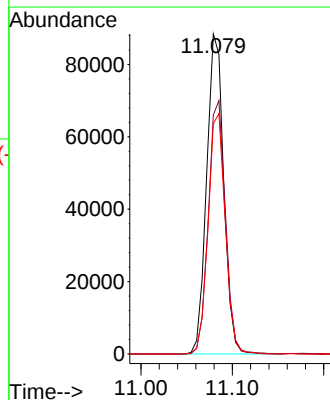
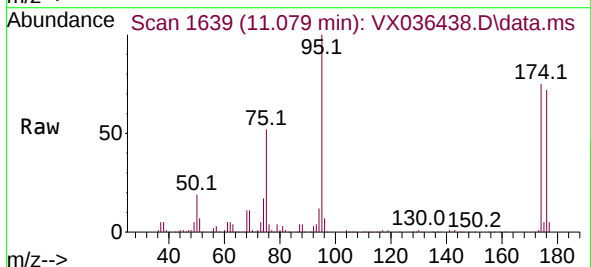
Instrument :  
MSVOA\_X  
ClientSampleId :  
CP-4

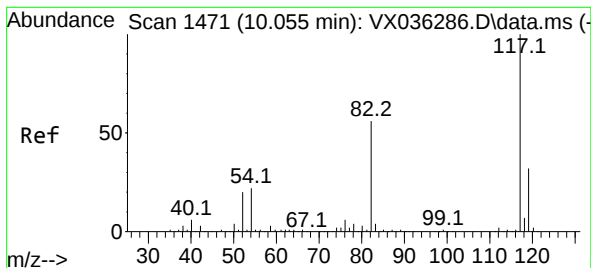
Tgt Ion: 43 Resp: 497953  
Ion Ratio Lower Upper  
43 100  
58 30.9 30.4 45.6



#62  
4-Bromofluorobenzene  
Concen: 48.629 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036438.D  
Acq: 06 Jul 2023 16:17

Tgt Ion: 95 Resp: 114527  
Ion Ratio Lower Upper  
95 100  
174 79.2 0.0 135.6  
176 75.5 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: VX036438.D

Acq: 06 Jul 2023 16:17

Instrument :

MSVOA\_X

ClientSampleId :

CP-4

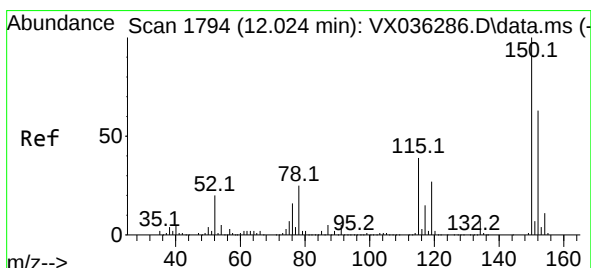
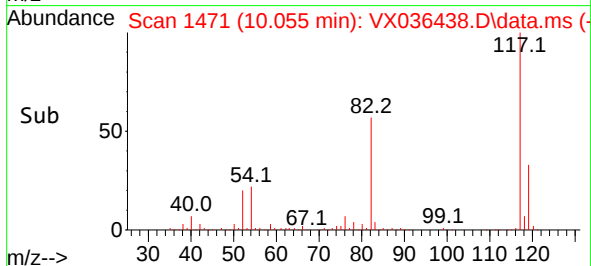
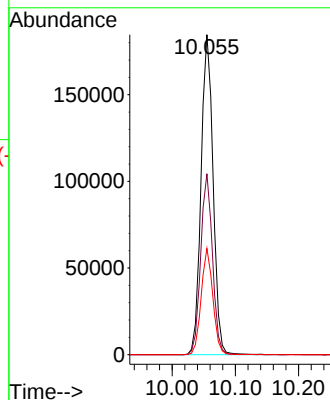
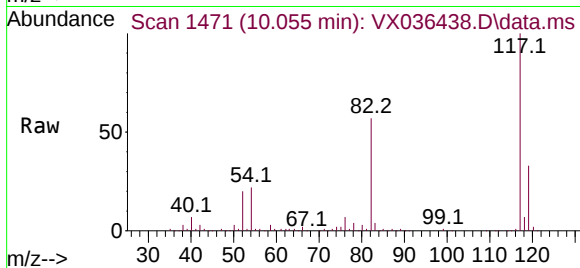
Tgt Ion:117 Resp: 244970

Ion Ratio Lower Upper

117 100

82 56.6 46.2 69.4

119 33.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Tgt Ion:152 Resp: 106725

Ion Ratio Lower Upper

152 100

115 61.3 43.3 129.9

150 161.5 0.0 345.0

