

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022824\  
 Data File : VX040520.D  
 Acq On : 28 Feb 2024 18:44  
 Operator : JC/MD  
 Sample : P1615-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D2-20240226

Quant Time: Feb 29 03:54:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 27 05:01:33 2024  
 Response via : Initial Calibration

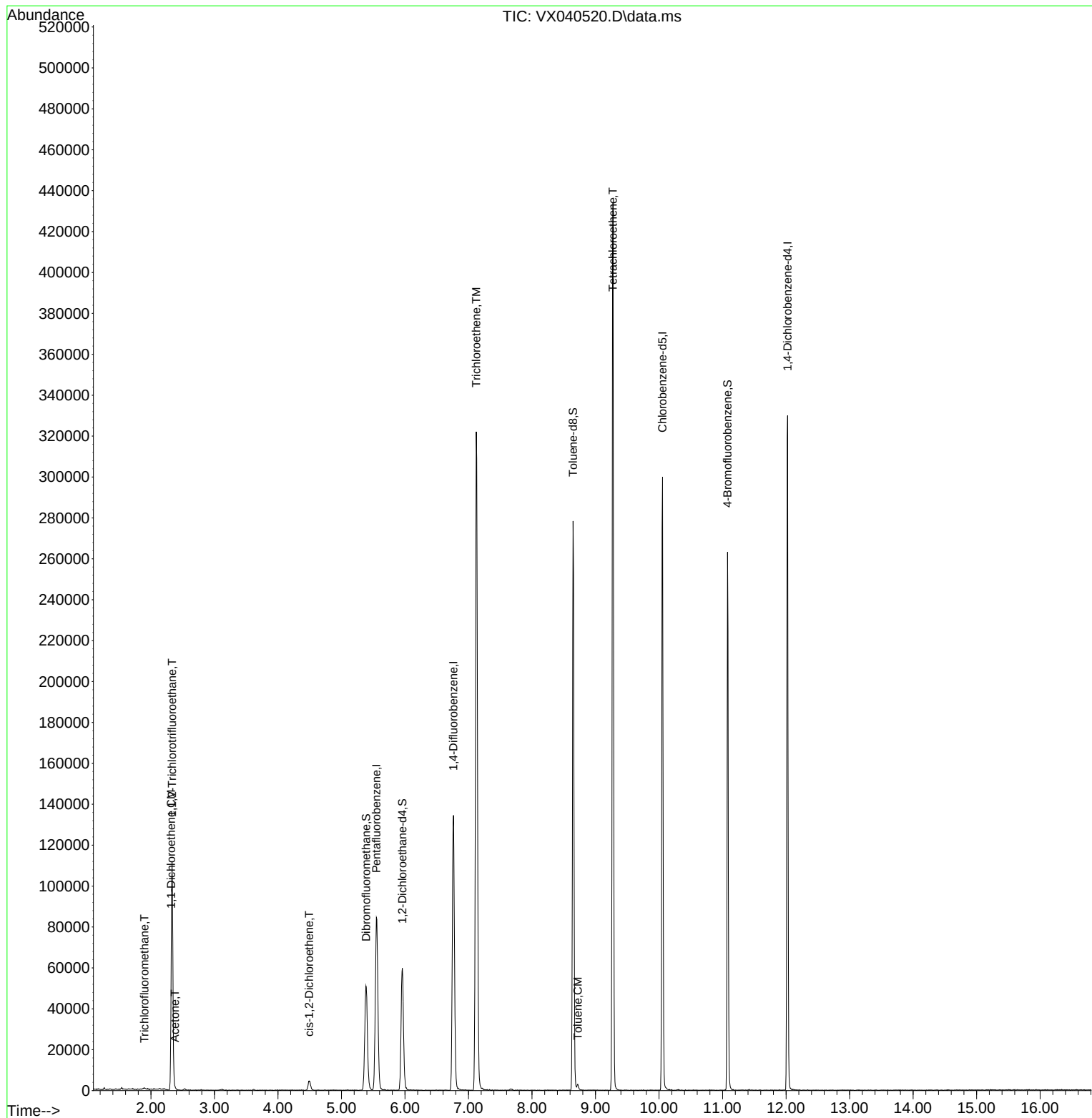
| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 74674      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 130116     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 127610     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 64926      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 60813      | 48.691   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 97.380%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 43998      | 48.626   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.260%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 160329     | 48.816   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.640%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 63970      | 51.095   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 102.200% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 502        | 0.319    | ug/l # | 73       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 41692      | 49.200   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 931        | 1.094    | ug/l # | 77       |
| 16) Acetone                  | 2.380          | 43   | 606        | 1.488    | ug/l # | 82       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 2831       | 2.667    | ug/l   | 92       |
| 44) Trichloroethene          | 7.123          | 130  | 112971     | 111.298  | ug/l   | 96       |
| 52) Toluene                  | 8.720          | 92   | 1087       | 0.469    | ug/l   | 82       |
| 64) Tetrachloroethene        | 9.275          | 164  | 72681      | 81.127   | ug/l   | 99       |
| -----                        |                |      |            |          |        |          |

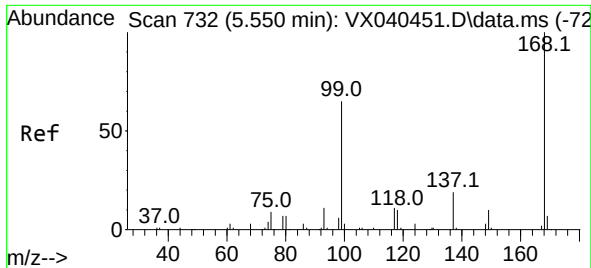
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

Quant Time: Feb 29 03:54:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 27 05:01:33 2024  
Response via : Initial Calibration

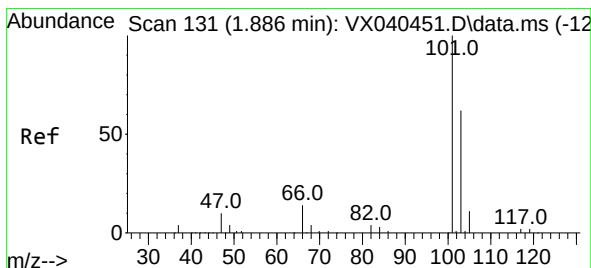
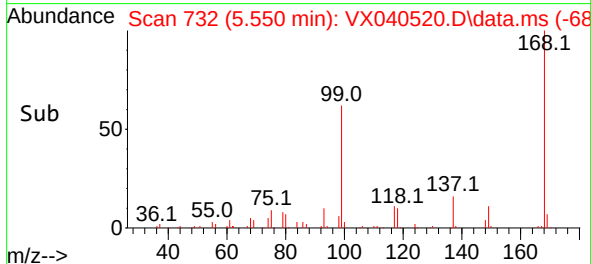
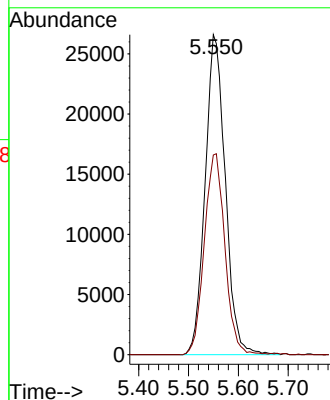
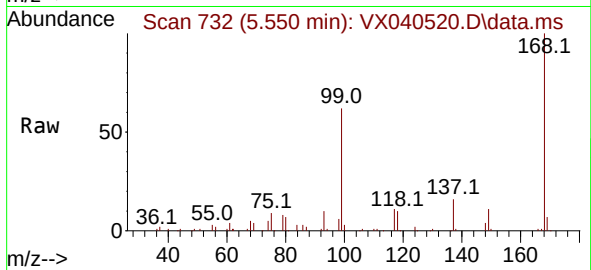




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

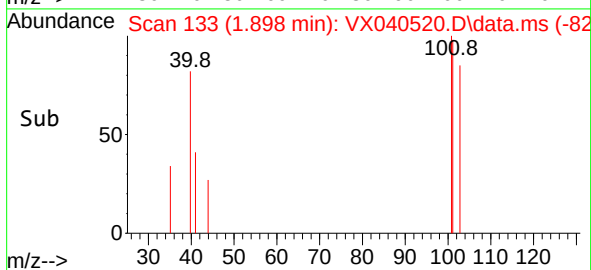
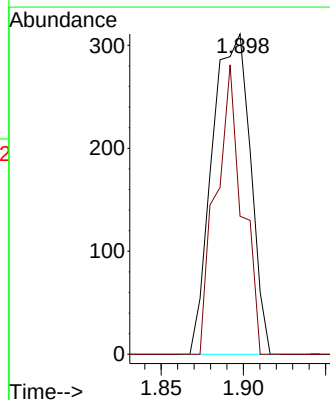
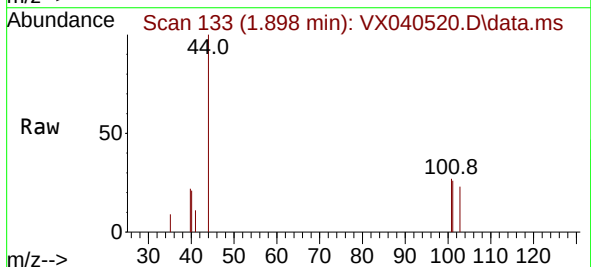
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

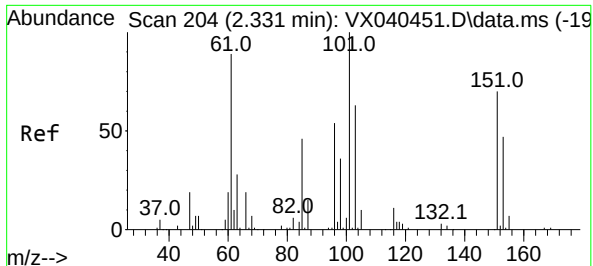
Tgt Ion:168 Resp: 74674  
Ion Ratio Lower Upper  
168 100  
99 62.4 56.6 85.0



#7  
Trichlorofluoromethane  
Concen: 0.319 ug/l  
RT: 1.898 min Scan# 133  
Delta R.T. 0.012 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Tgt Ion:101 Resp: 502  
Ion Ratio Lower Upper  
101 100  
103 43.1 51.4 77.2#

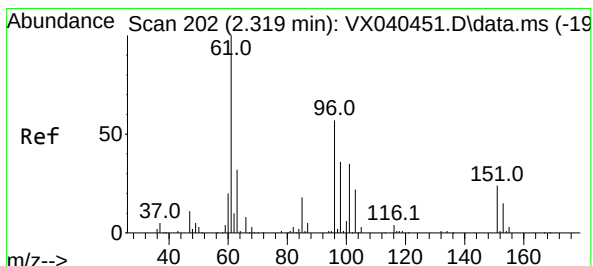
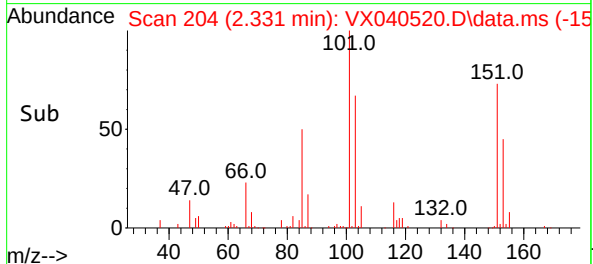
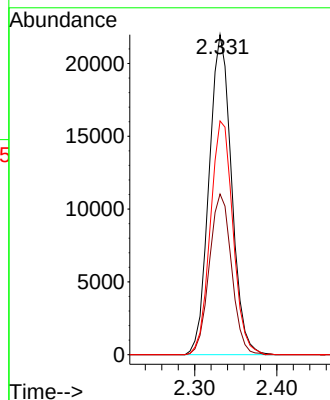
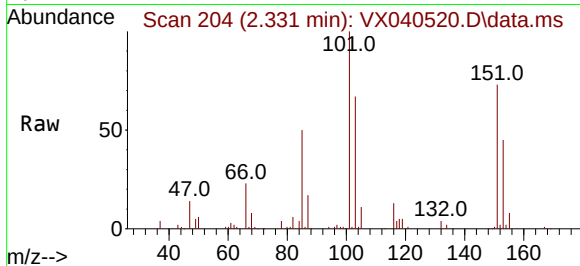




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.200 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

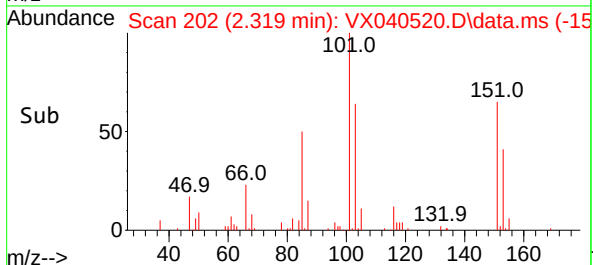
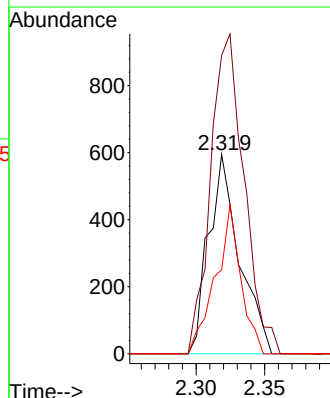
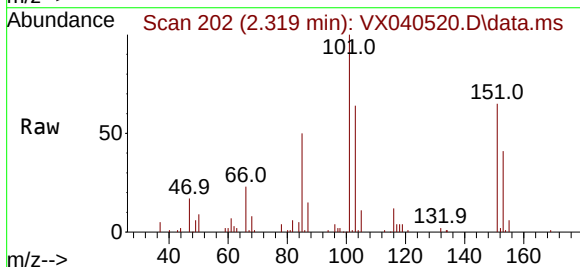
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

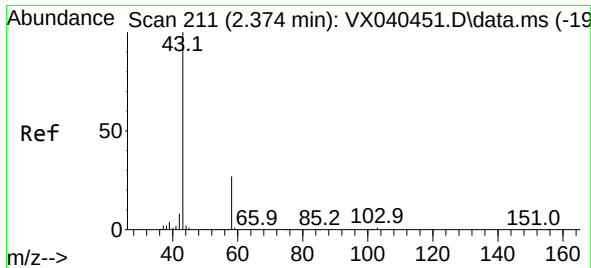
Tgt Ion:101 Resp: 41692  
Ion Ratio Lower Upper  
101 100  
85 49.6 37.0 55.6  
151 73.7 58.6 87.8



#12  
1,1-Dichloroethene  
Concen: 1.094 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Tgt Ion: 96 Resp: 931  
Ion Ratio Lower Upper  
96 100  
61 149.8 144.6 216.8  
98 42.3 50.4 75.6#

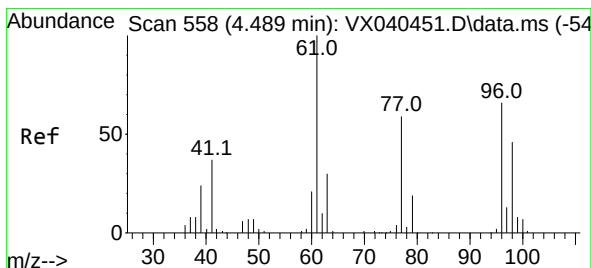
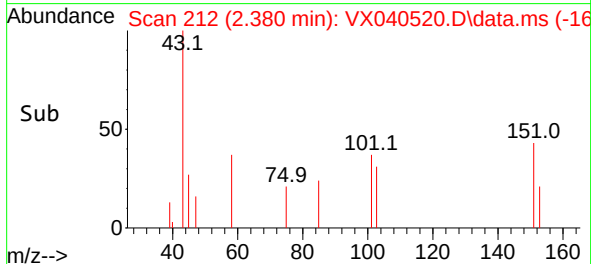
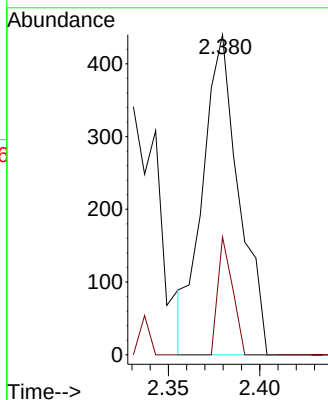
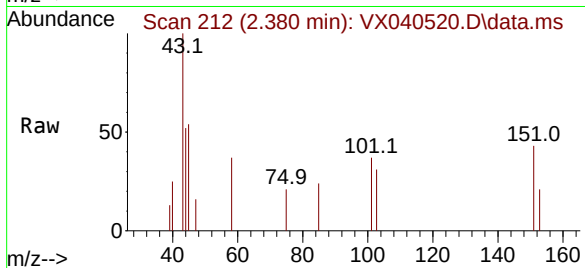




#16  
Acetone  
Concen: 1.488 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

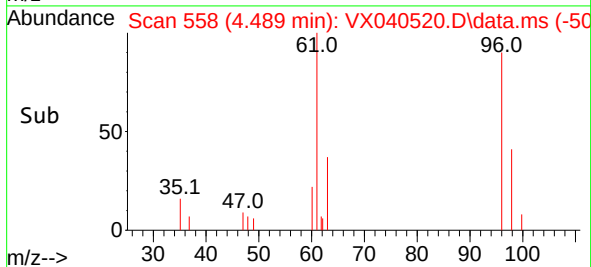
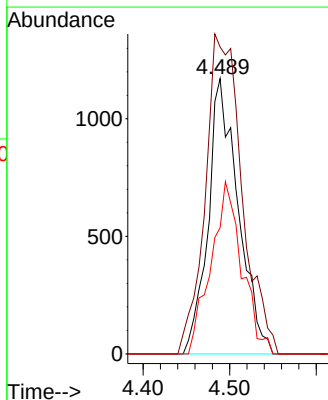
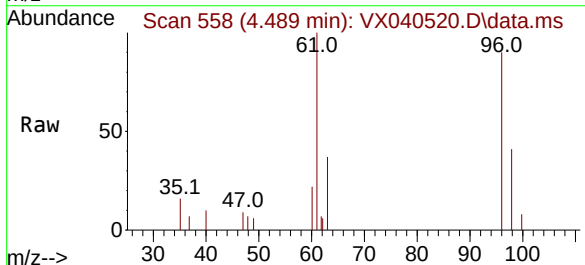
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

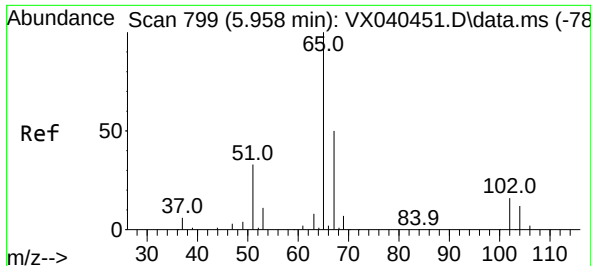
Tgt Ion: 43 Resp: 606  
Ion Ratio Lower Upper  
43 100  
58 36.8 21.9 32.9#



#27  
cis-1,2-Dichloroethene  
Concen: 2.667 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Tgt Ion: 96 Resp: 2831  
Ion Ratio Lower Upper  
96 100  
61 141.3 0.0 312.2  
98 64.3 0.0 129.0

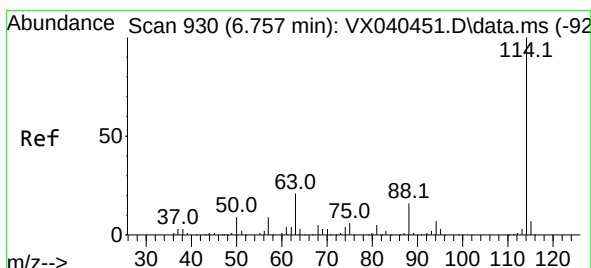
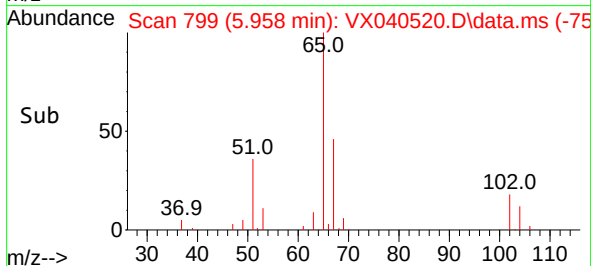
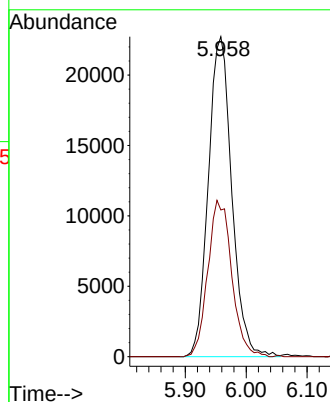
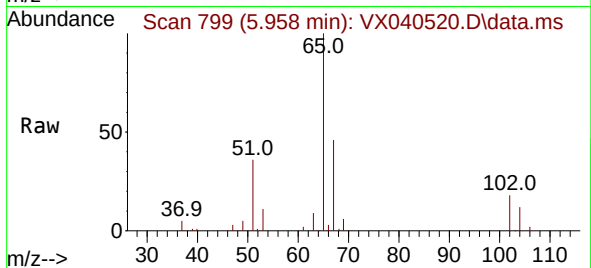




#33  
1,2-Dichloroethane-d4  
Concen: 48.691 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

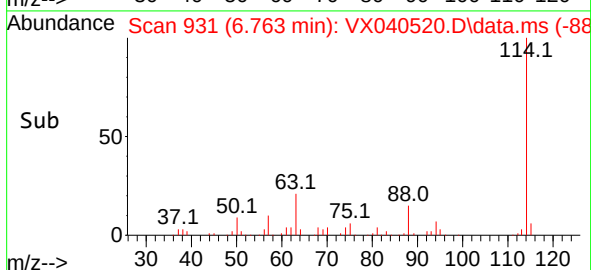
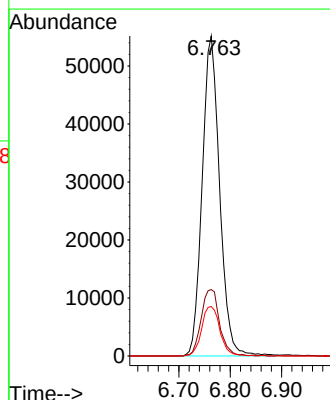
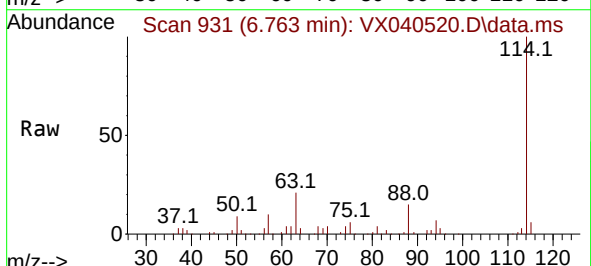
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

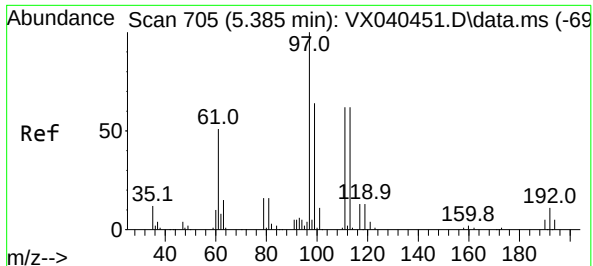
Tgt Ion: 65 Resp: 60813  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.006 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Tgt Ion: 114 Resp: 130116  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 45.0  
88 15.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.626 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX040520.D

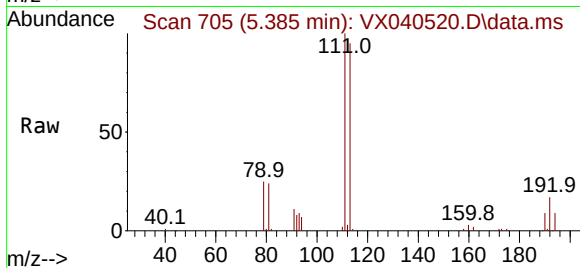
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MSVOA\_X

ClientSampleId :

RE134D2-20240226



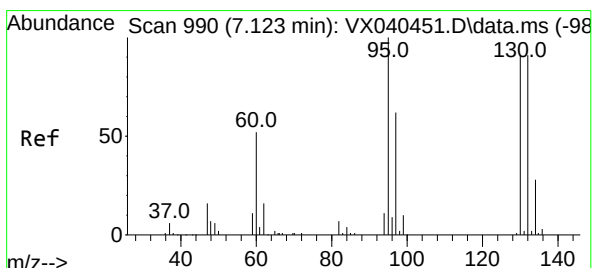
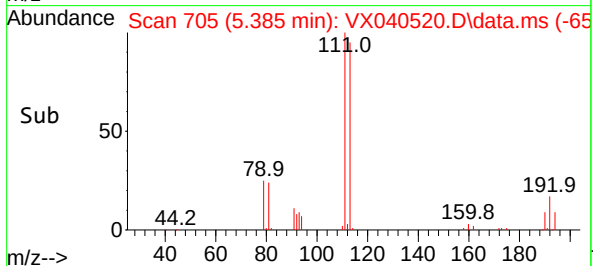
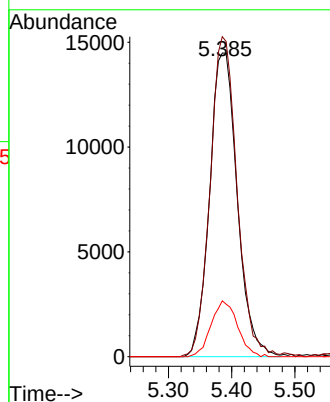
Tgt Ion:113 Resp: 43998

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

192 17.6 13.3 19.9



#44

Trichloroethene

Concen: 111.298 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX040520.D

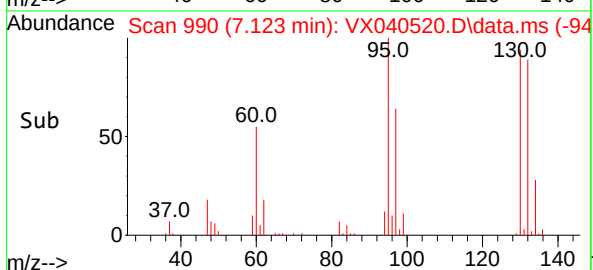
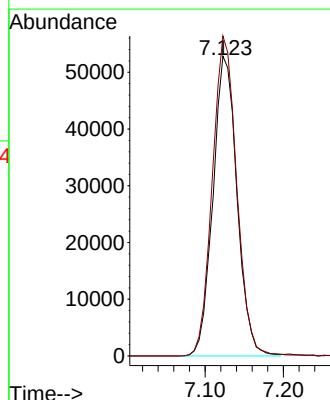
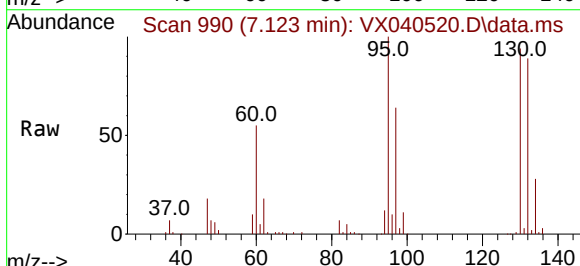
Acq: 28 Feb 2024 18:44

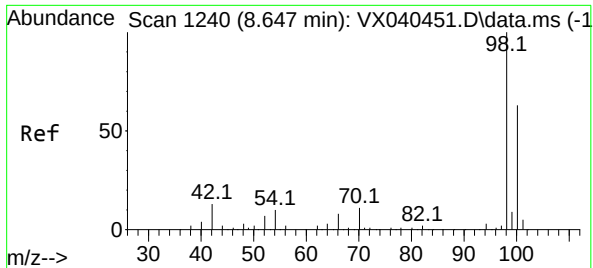
Tgt Ion:130 Resp: 112971

Ion Ratio Lower Upper

130 100

95 106.7 0.0 204.4

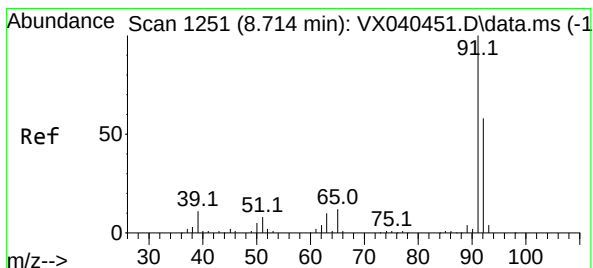
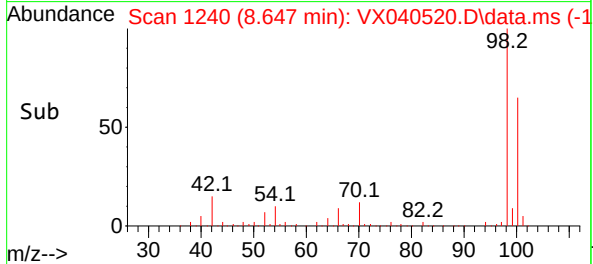
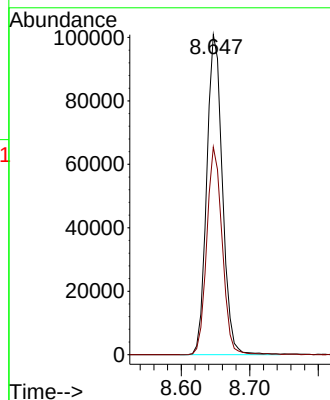
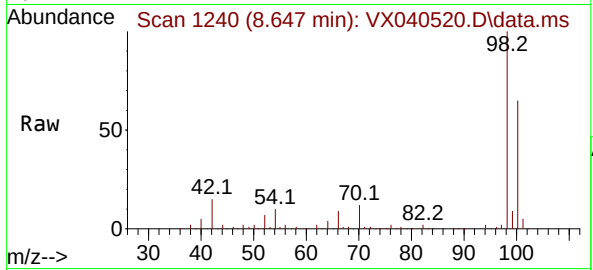




#50  
Toluene-d8  
Concen: 48.816 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

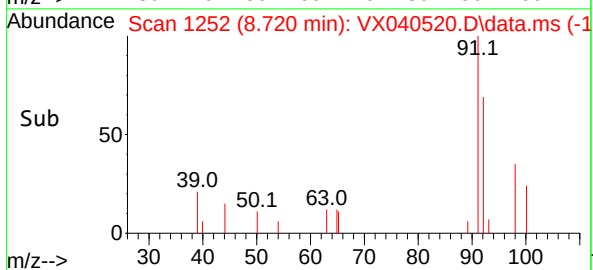
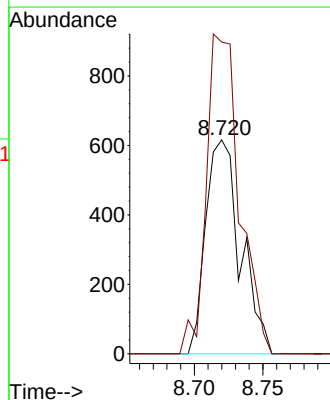
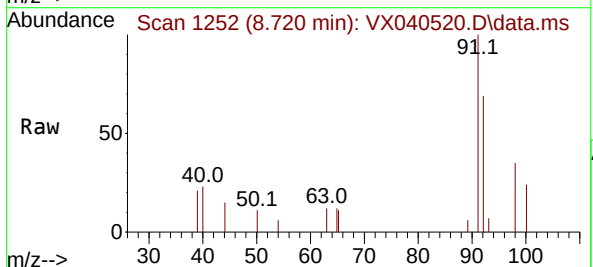
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

Tgt Ion: 98 Resp: 160329  
Ion Ratio Lower Upper  
98 100  
100 64.0 53.1 79.7

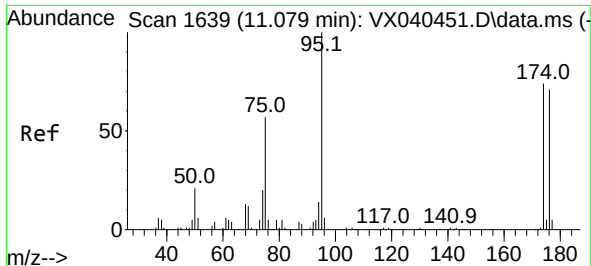


#52  
Toluene  
Concen: 0.469 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Tgt Ion: 92 Resp: 1087  
Ion Ratio Lower Upper  
92 100  
91 143.1 134.2 201.2







#62

4-Bromofluorobenzene

Concen: 51.095 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040520.D

Acq: 28 Feb 2024 18:44

Instrument :

MSVOA\_X

ClientSampleId :

RE134D2-20240226

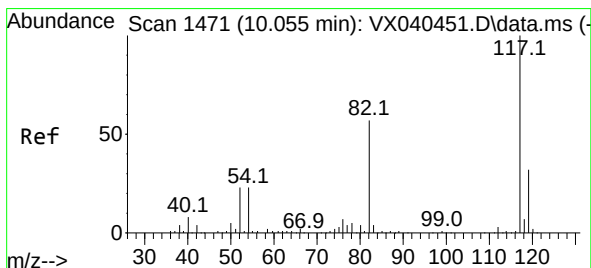
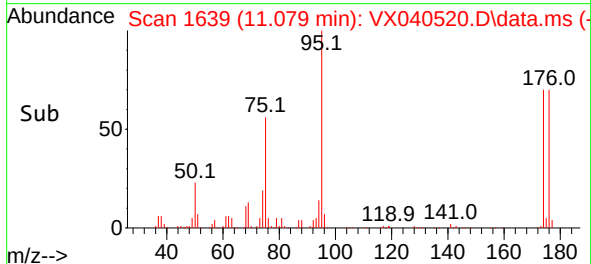
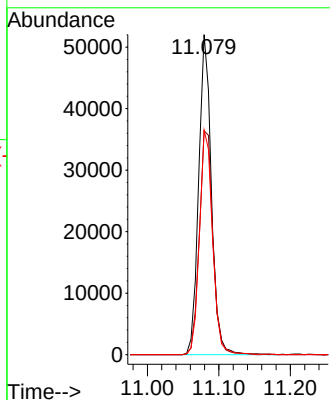
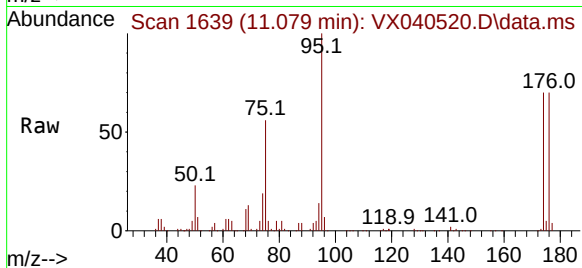
Tgt Ion: 95 Resp: 63970

Ion Ratio Lower Upper

95 100

174 75.5 0.0 135.6

176 72.4 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: VX040520.D

Acq: 28 Feb 2024 18:44

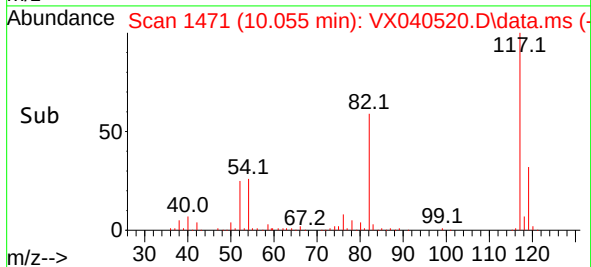
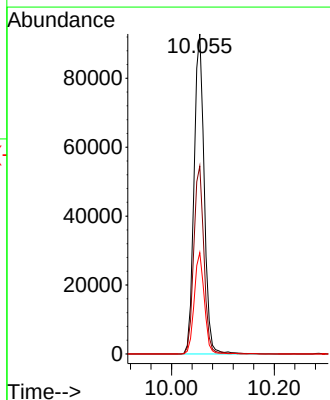
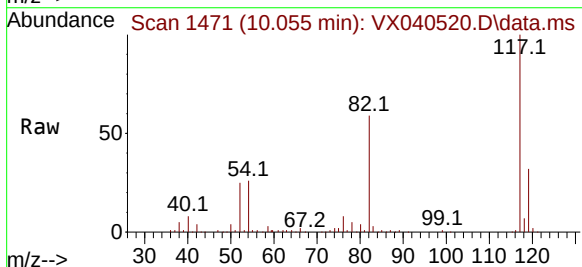
Tgt Ion: 117 Resp: 127610

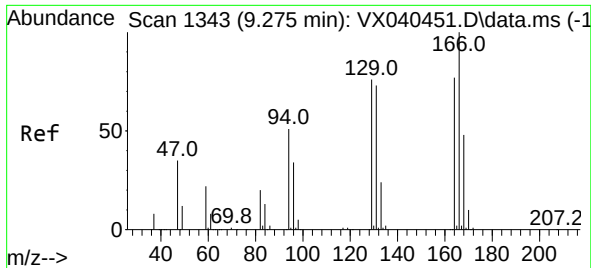
Ion Ratio Lower Upper

117 100

82 58.7 46.2 69.4

119 31.7 25.5 38.3



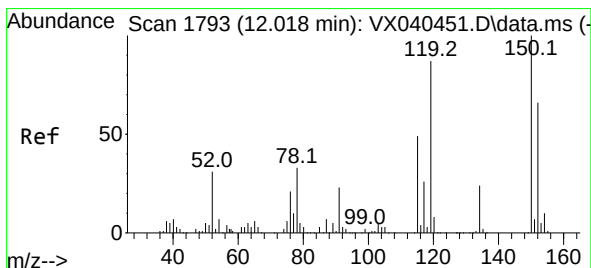
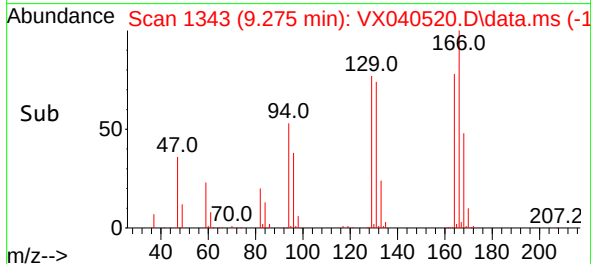
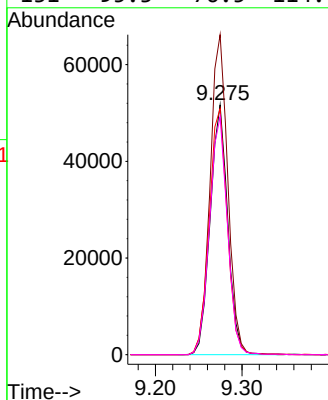
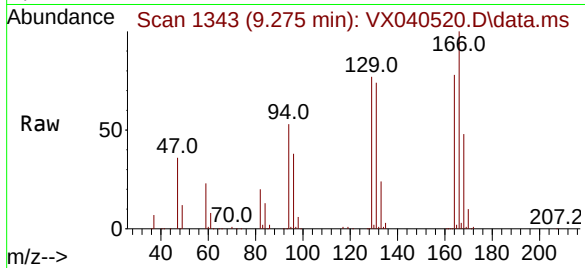


#64  
Tetrachloroethene  
Concen: 81.127 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D2-20240226

Tgt Ion:164 Resp: 72681

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 128.2 | 102.7 | 154.1 |
| 129 | 98.5  | 80.4  | 120.6 |
| 131 | 95.3  | 76.5  | 114.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX040520.D  
Acq: 28 Feb 2024 18:44

Tgt Ion:152 Resp: 64926

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.4  | 43.3  | 129.9 |
| 150 | 154.9 | 0.0   | 345.0 |

