

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
 Data File : VY009939.D  
 Acq On : 10 Aug 2022 00:31  
 Operator : KP/MD  
 Sample : N4017-02  
 Misc : 6.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB09

Quant Time: Aug 10 01:34:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

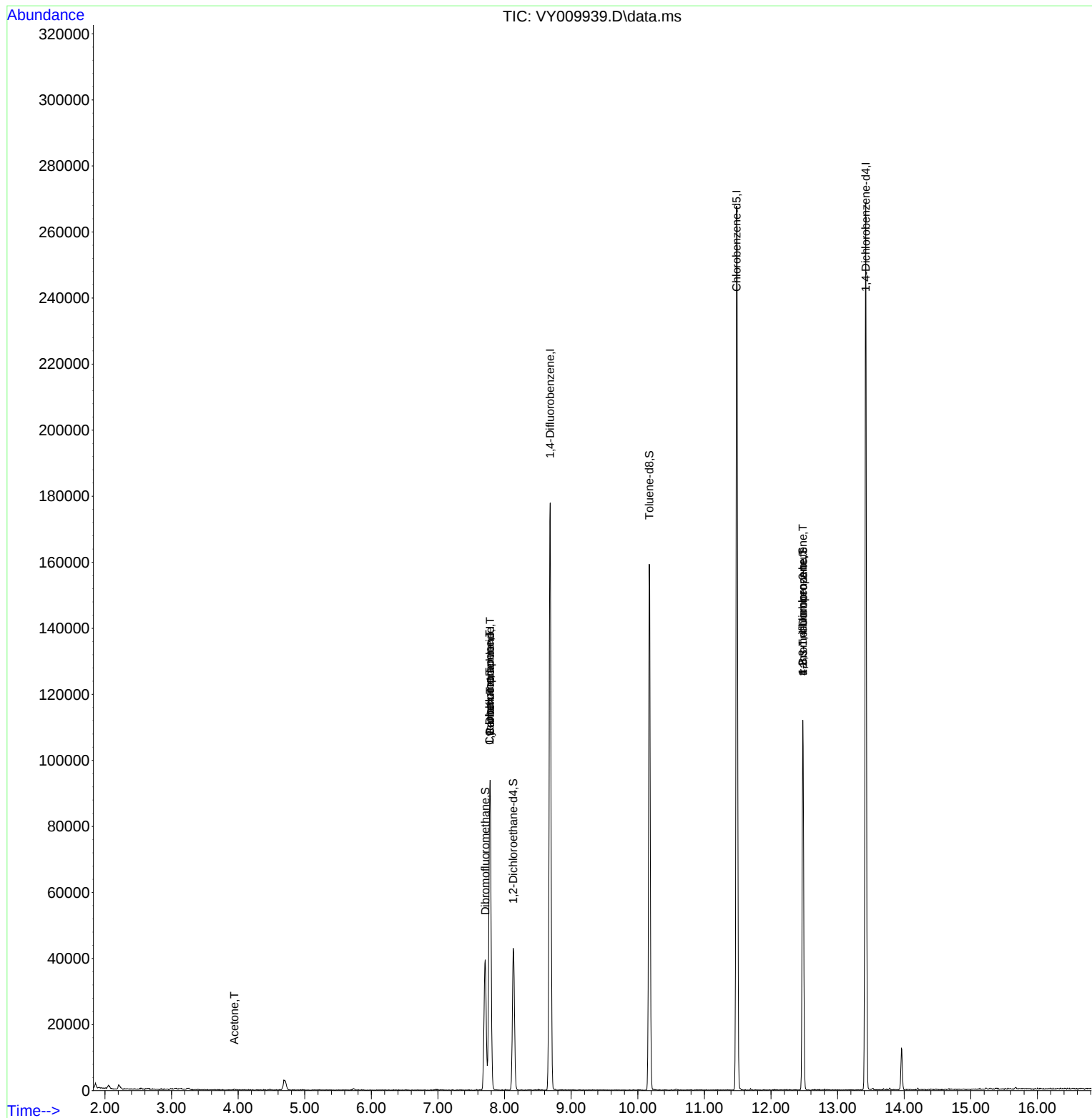
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 73148    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 149111   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.484 | 117   | 144978   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 62920    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.130  | 65    | 31560    | 55.777    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 111.560% |
| 35) Dibromofluoromethane      | 7.710  | 113   | 28013    | 34.608    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 69.220%  |
| 50) Toluene-d8                | 10.173 | 98    | 102385   | 40.476    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 80.960%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 32789    | 29.011    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 58.020%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.942  | 43    | 465      | 2.254     | ug/l   | 97       |
| 18) Methyl Acetate            | 4.479  | 43    | 182      | Below Cal | #      | 73       |
| 20) Methylene Chloride        | 4.698  | 84    | 2522     | Below Cal |        | 91       |
| 31) Cyclohexane               | 7.777  | 56    | 1711     | 1.205     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.777  | 75    | 5985     | 4.382     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 7135     | 5.263     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 16794    | 24.396    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 16794    | 49.322    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

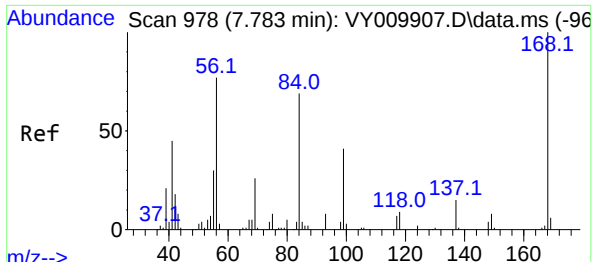
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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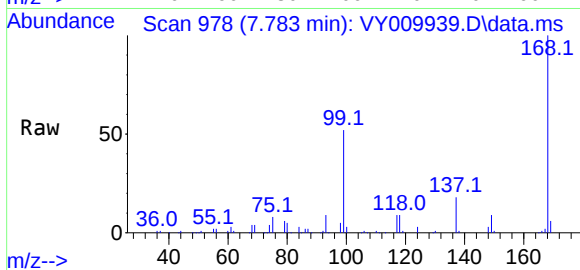
Quant Time: Aug 10 01:34:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
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QLast Update : Mon Aug 08 17:55:50 2022  
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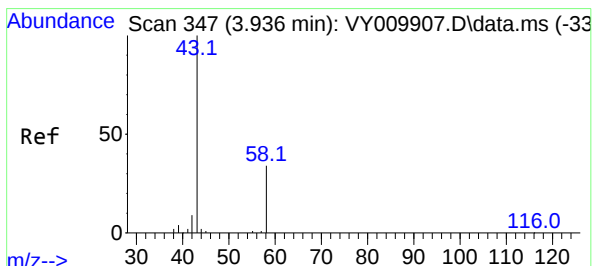
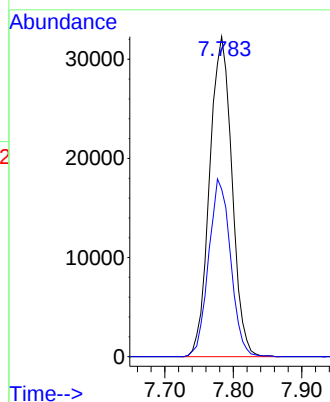
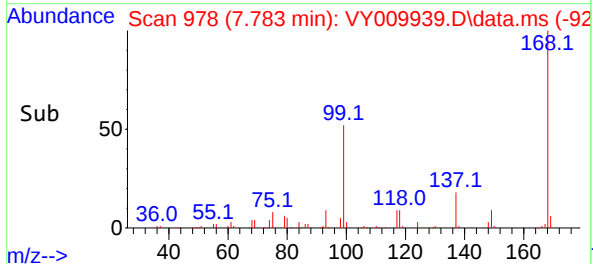


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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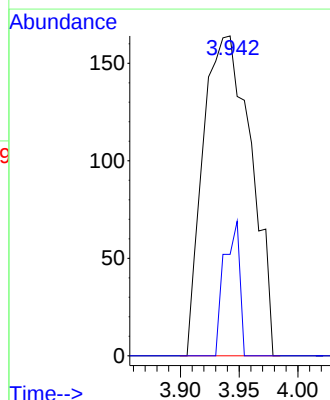
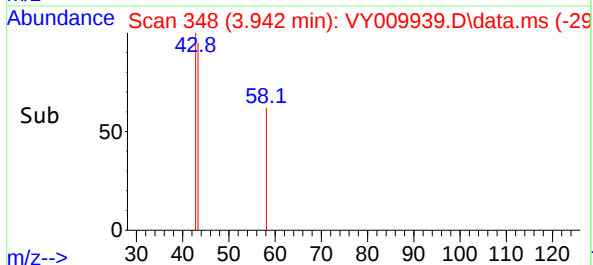
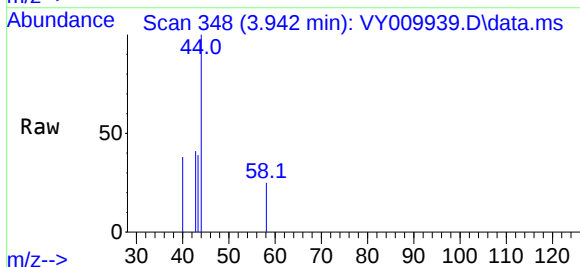


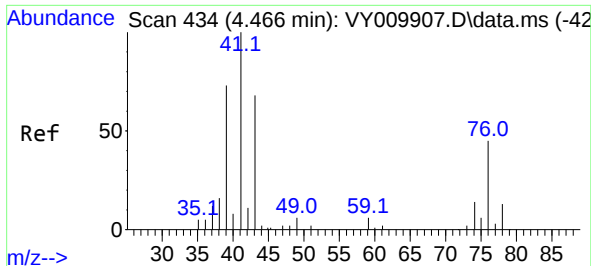
Tgt Ion:168 Resp: 73148  
Ion Ratio Lower Upper  
168 100  
99 52.3 42.1 63.1



#16  
Acetone  
Concen: 2.254 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Tgt Ion: 43 Resp: 465  
Ion Ratio Lower Upper  
43 100  
58 31.7 24.0 36.0

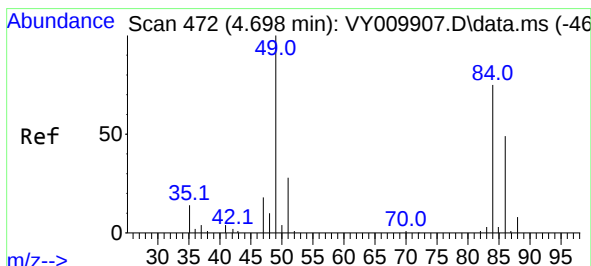
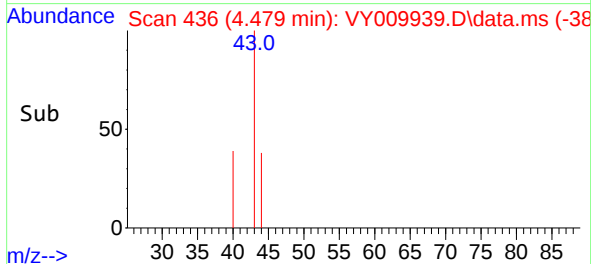
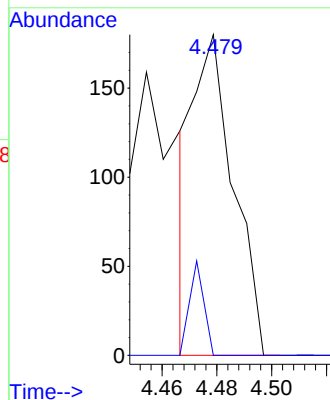
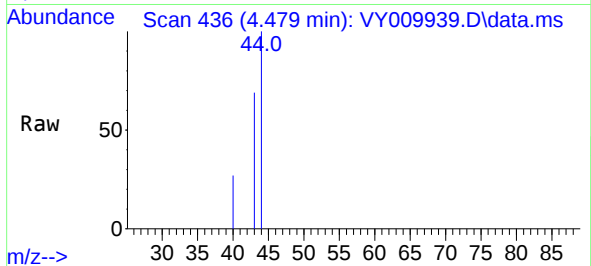




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.479 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

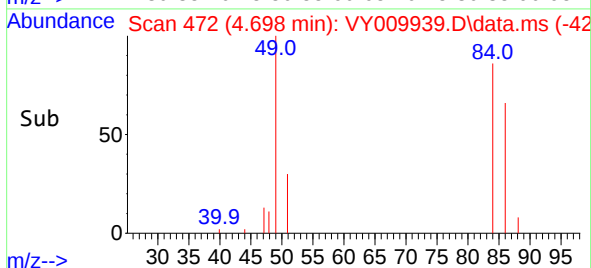
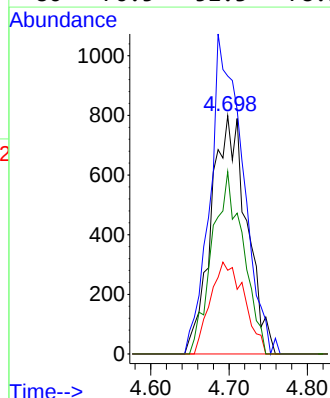
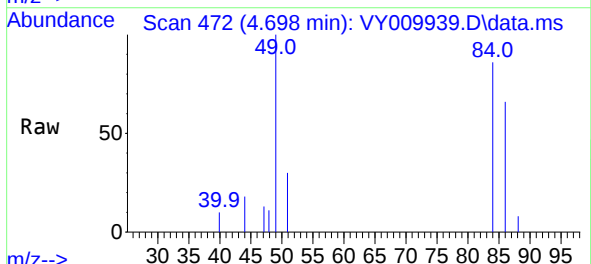
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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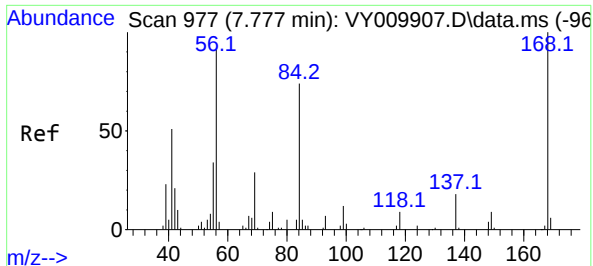
Tgt Ion: 43 Resp: 182  
Ion Ratio Lower Upper  
43 100  
74 10.4 18.8 28.2#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 472  
Delta R.T. 0.000 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

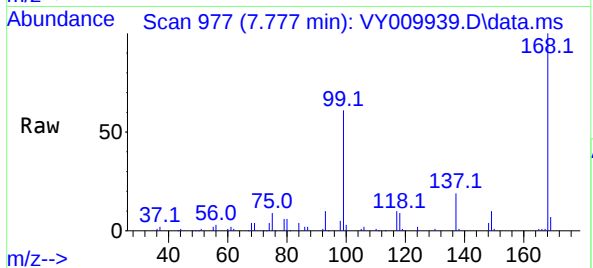
Tgt Ion: 84 Resp: 2522  
Ion Ratio Lower Upper  
84 100  
49 116.6 98.2 147.4  
51 35.2 33.4 50.0  
86 76.5 52.3 78.5



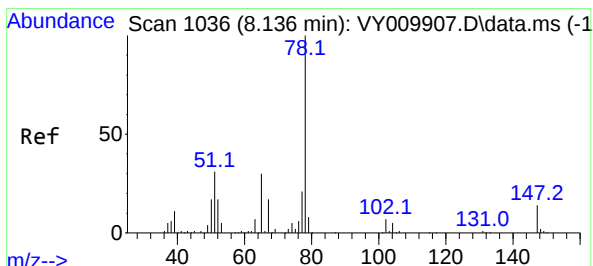
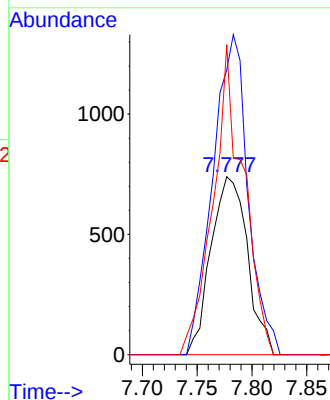
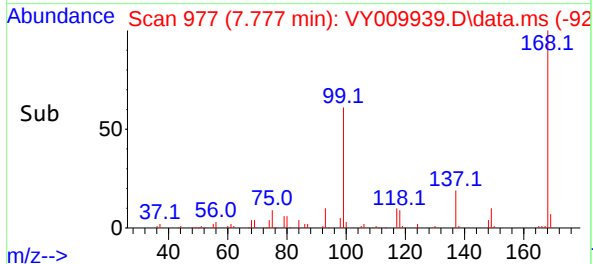


#31  
Cyclohexane  
Concen: 1.205 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

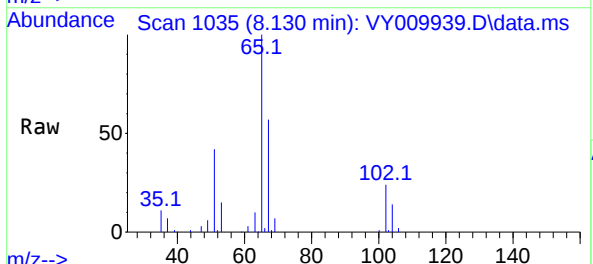
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB09



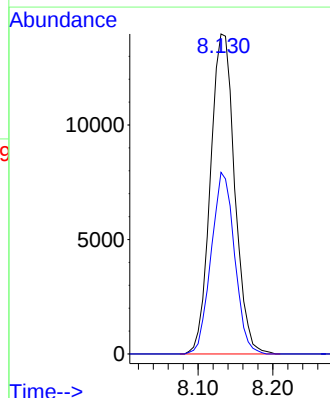
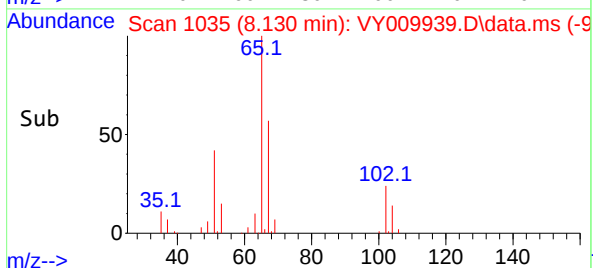
Tgt Ion: 56 Resp: 1711  
Ion Ratio Lower Upper  
56 100  
69 160.0 26.0 39.0#  
84 174.1 69.5 104.3#

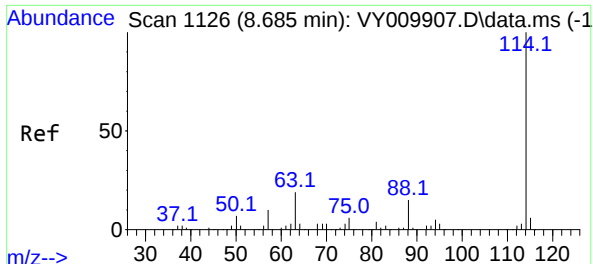


#33  
1,2-Dichloroethane-d4  
Concen: 55.777 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31



Tgt Ion: 65 Resp: 31560  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 108.4

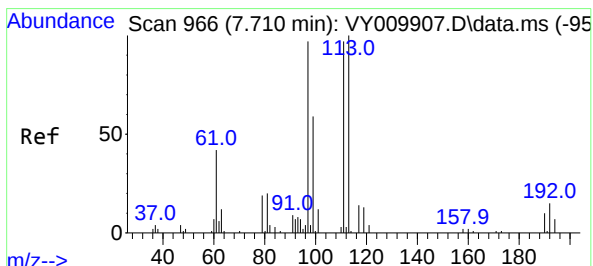
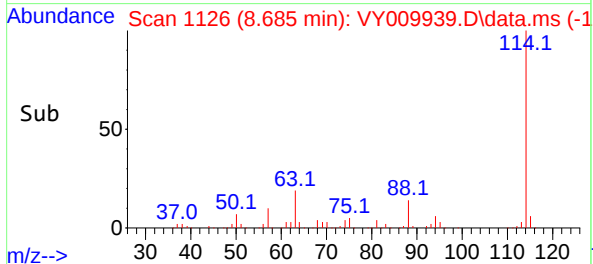
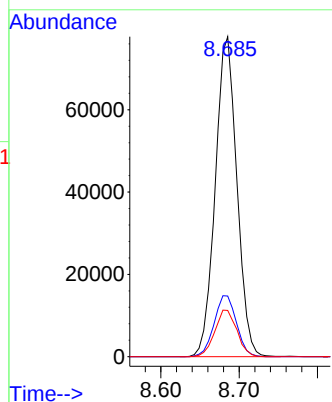
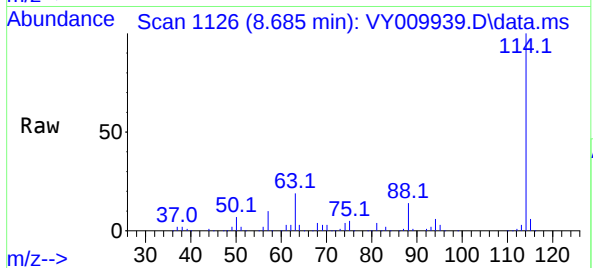




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

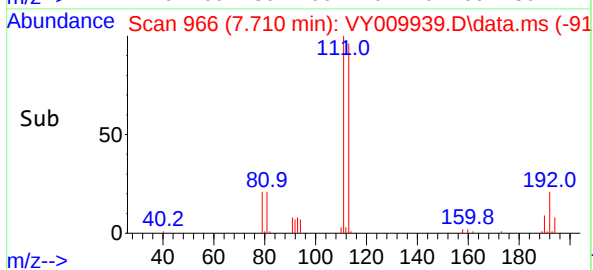
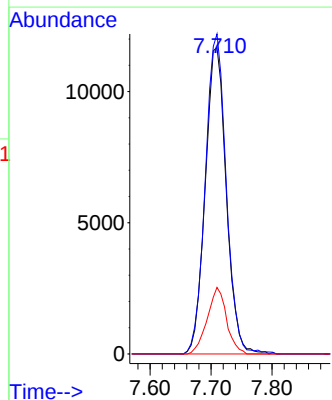
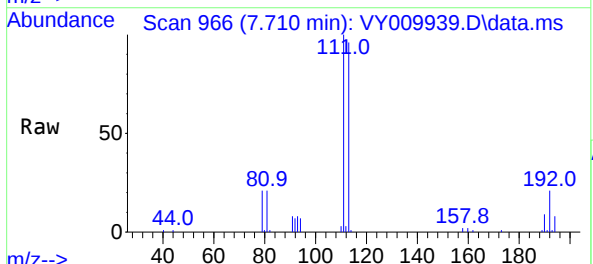
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB09

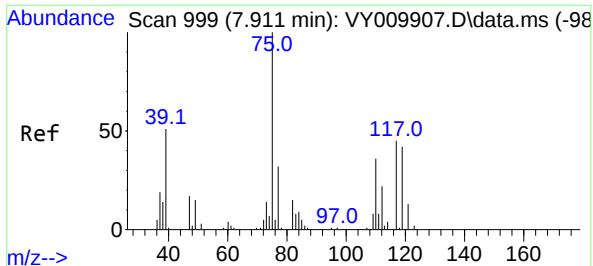
Tgt Ion:114 Resp: 149111  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 38.0  
88 14.5 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 34.608 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.001 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Tgt Ion:113 Resp: 28013  
Ion Ratio Lower Upper  
113 100  
111 103.7 80.6 120.8  
192 19.9 16.2 24.4

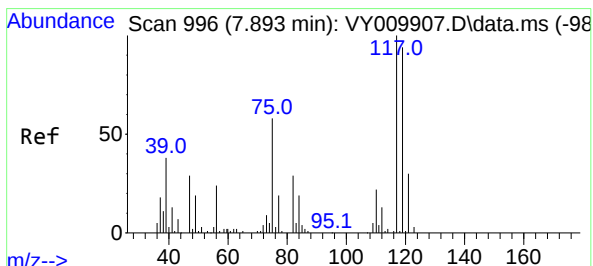
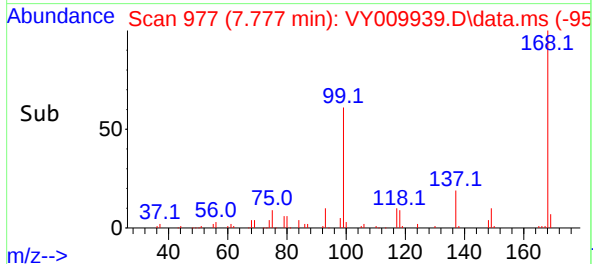
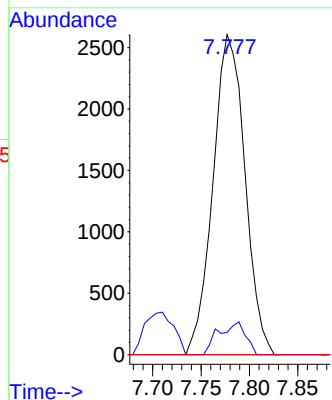
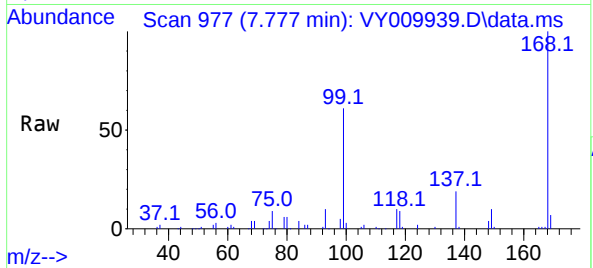




#36  
1,1-Dichloropropene  
Concen: 4.382 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

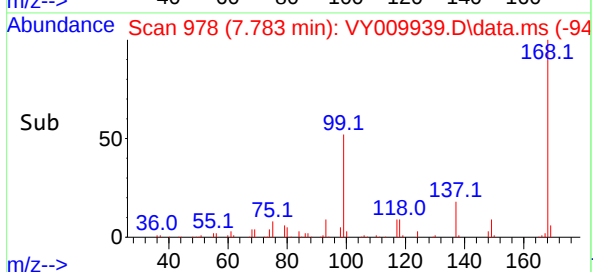
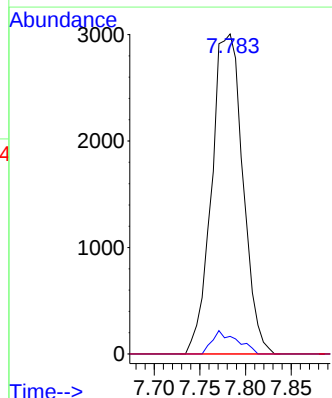
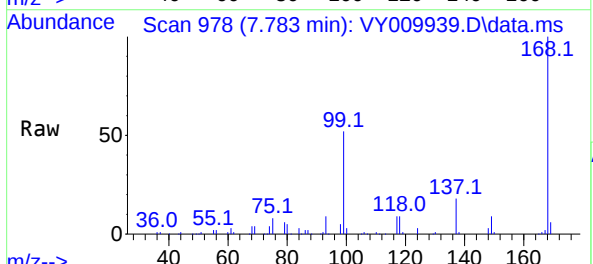
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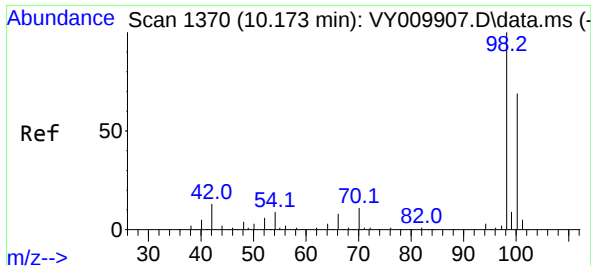
Tgt Ion: 75 Resp: 5985  
Ion Ratio Lower Upper  
75 100  
110 8.6 18.6 56.0#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.263 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.109 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Tgt Ion: 117 Resp: 7135  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.9 113.9#  
121 0.0 24.9 37.3#

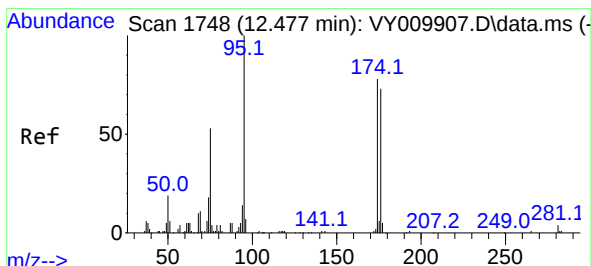
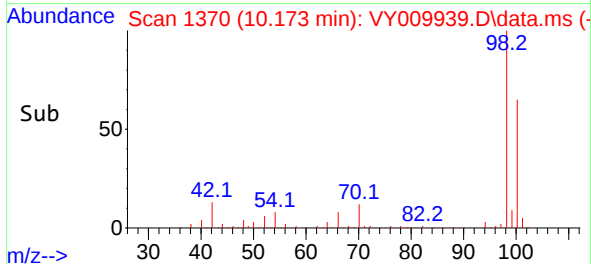
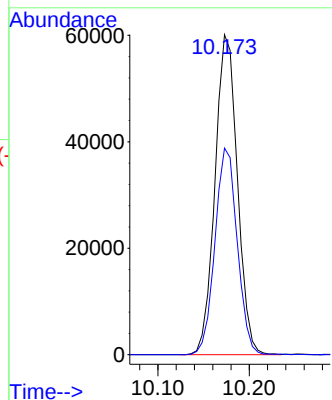
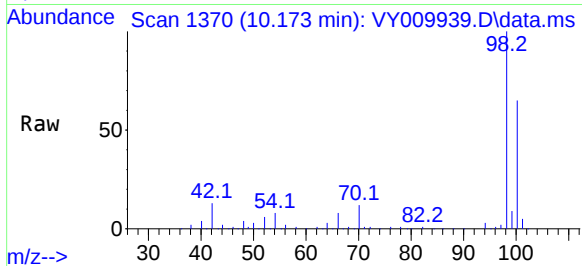




#50  
Toluene-d8  
Concen: 40.476 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

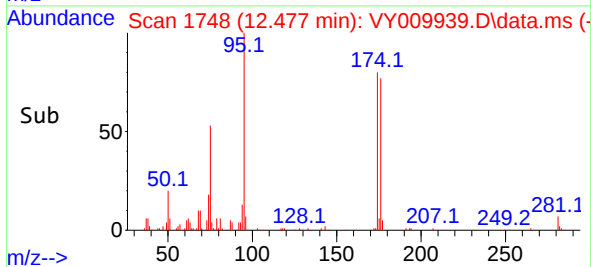
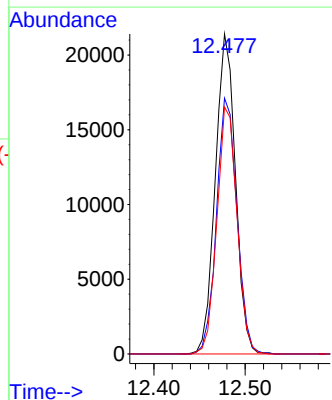
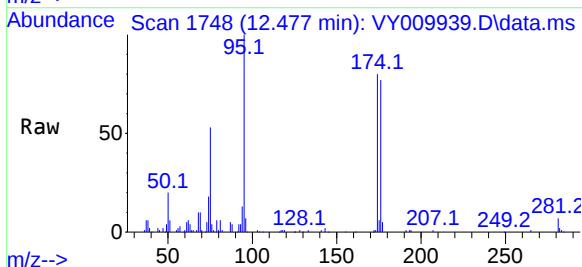
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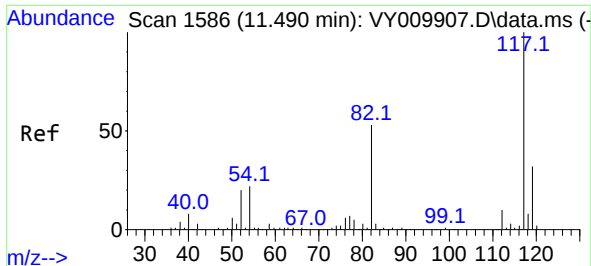
Tgt Ion: 98 Resp: 102385  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 29.011 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Tgt Ion: 95 Resp: 32789  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 173.8  
176 77.0 0.0 167.0

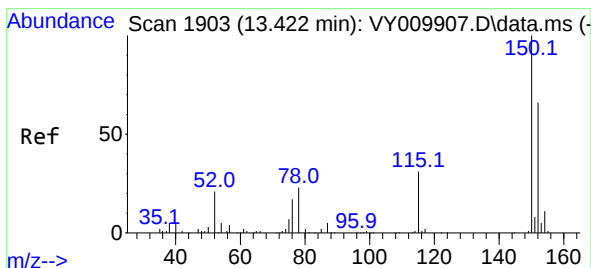
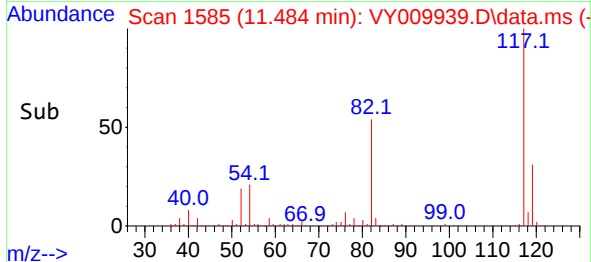
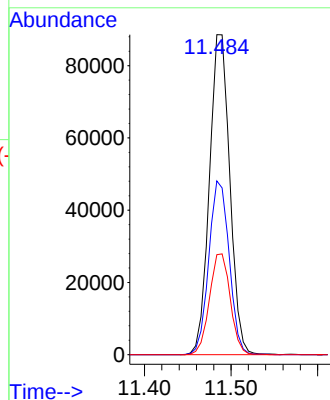
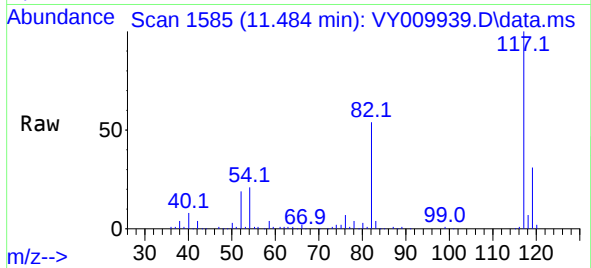




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.484 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

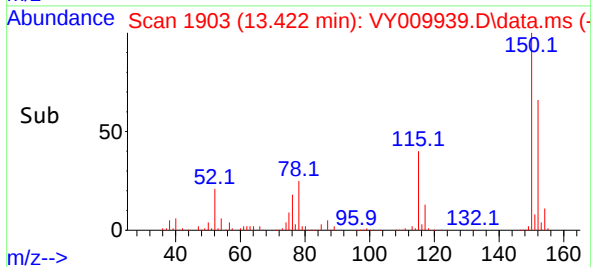
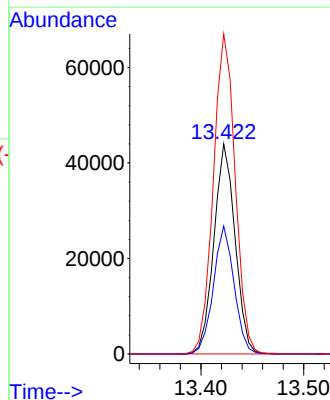
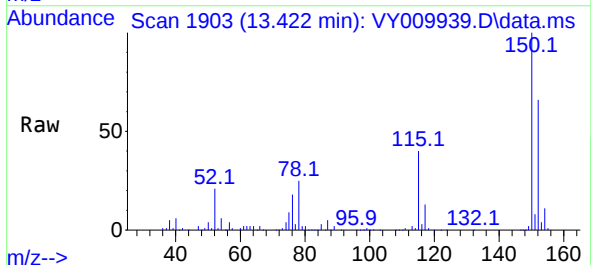
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB09

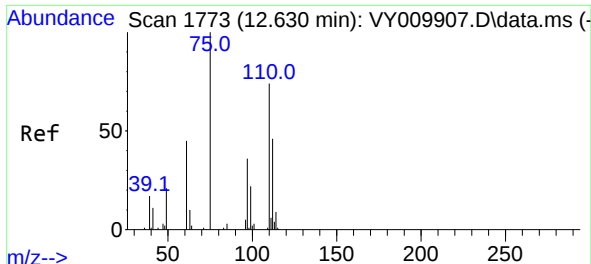
Tgt Ion:117 Resp: 144978  
Ion Ratio Lower Upper  
117 100  
82 54.3 41.8 62.6  
119 31.3 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Tgt Ion:152 Resp: 62920  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.6 85.9  
150 157.2 0.0 349.8

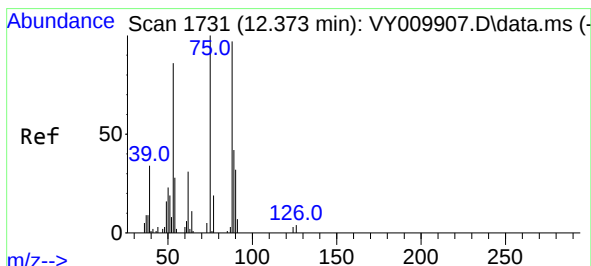
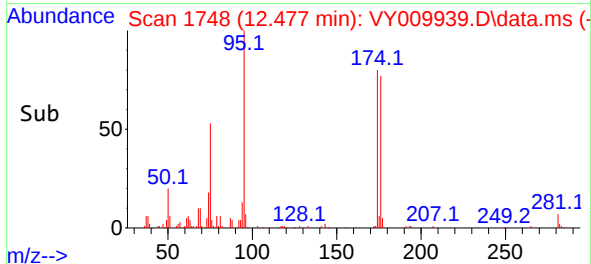
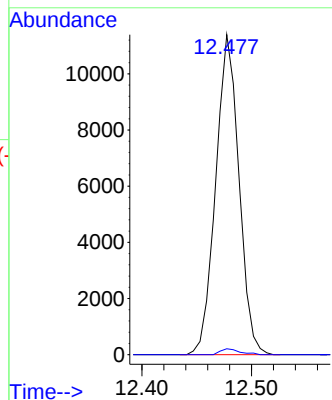
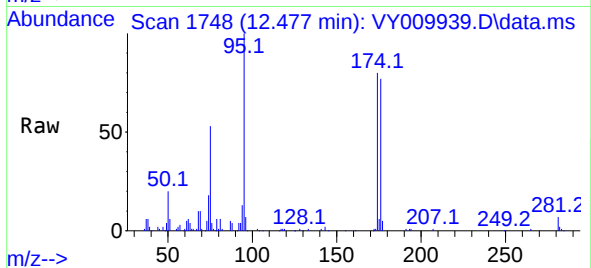




#76  
1,2,3-Trichloropropane  
Concen: 24.396 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB09

Tgt Ion: 75 Resp: 16794  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.322 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009939.D  
Acq: 10 Aug 2022 00:31

Tgt Ion: 75 Resp: 16794  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.4 107.2#  
89 0.1 38.1 57.1#

