

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100722\  
 Data File : VY010867.D  
 Acq On : 07 Oct 2022 13:23  
 Operator : KP/MD  
 Sample : N5004-19RE  
 Misc : 5.73g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 D22019-18RE

Quant Time: Oct 08 04:46:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

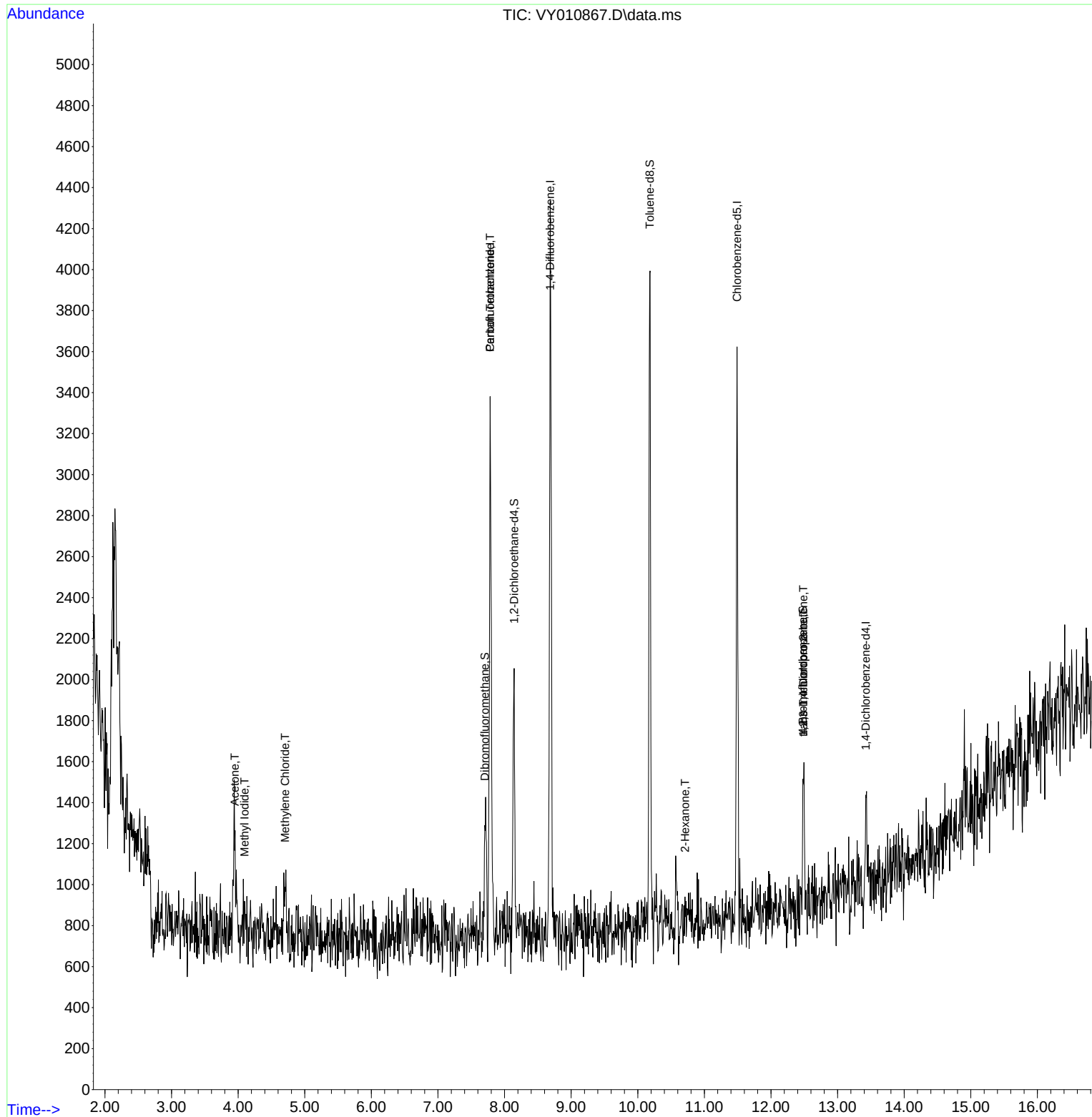
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 2367     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 3733     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 1676     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 201      | 50.000   | ug/l   | # 0.00   |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 1092     | 45.514   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 91.020%  |
| 35) Dibromofluoromethane      | 7.704  | 113   | 521      | 21.025   | ug/l   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 42.060%# |
| 50) Toluene-d8                | 10.179 | 98    | 2561     | 30.220   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 60.440%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 187      | 2.125    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 4.260%#  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) Methyl Iodide             | 4.095  | 142   | 234      | 7.634    | ug/l   | # 35     |
| 16) Acetone                   | 3.948  | 43    | 1054     | 172.972  | ug/l   | # 86     |
| 20) Methylene Chloride        | 4.704  | 84    | 258      | 4.960    | ug/l   | # 45     |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 111      | 2.979    | ug/l   | # 11     |
| 59) 2-Hexanone                | 10.709 | 43    | 27       | 2.243    | ug/l   | # 28     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 64       | 31.442   | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 64       | 65.679   | ug/l   | # 7      |
| -----                         |        |       |          |          |        |          |

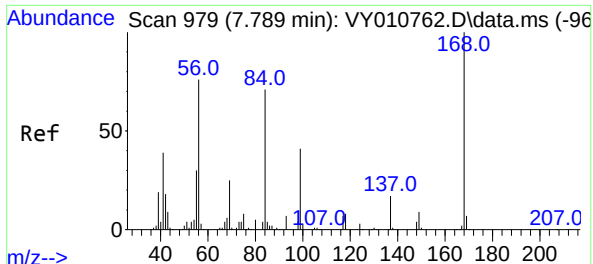
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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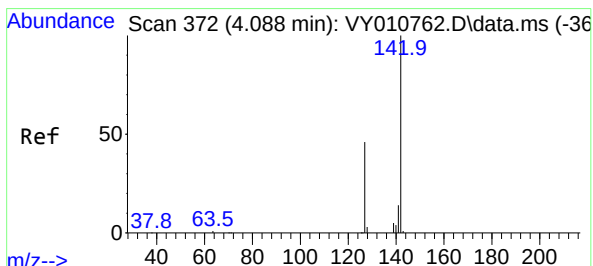
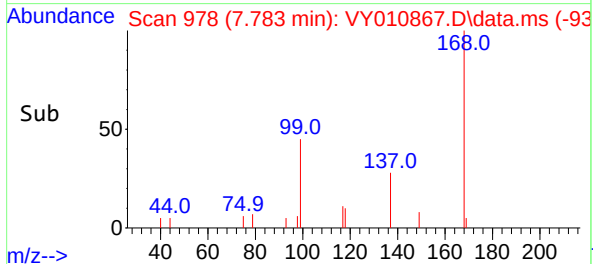
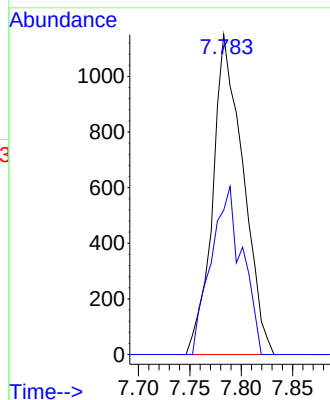
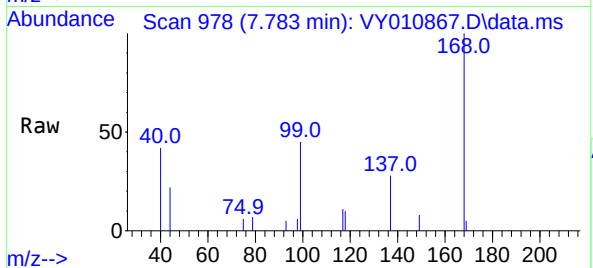




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

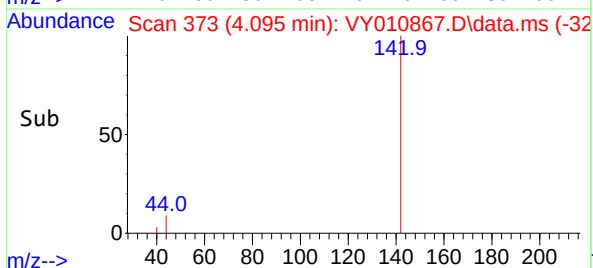
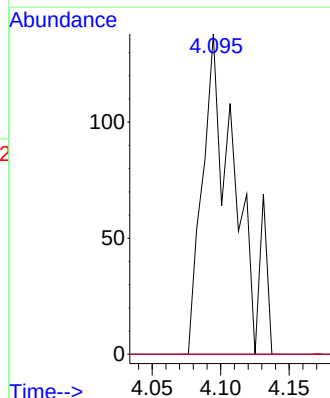
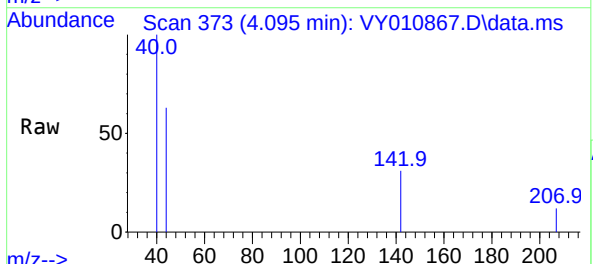
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MSVOA\_Y  
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D22019-18RE

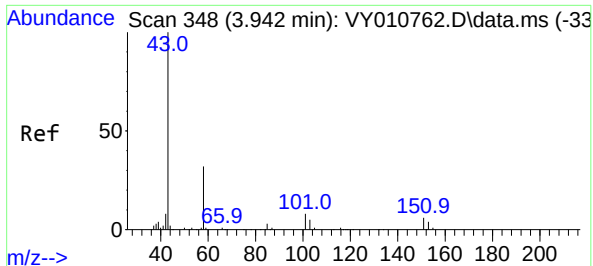
Tgt Ion:168 Resp: 2367  
Ion Ratio Lower Upper  
168 100  
99 45.1 46.9 70.3#



#10  
Methyl Iodide  
Concen: 7.634 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.007 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

Tgt Ion:142 Resp: 234  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

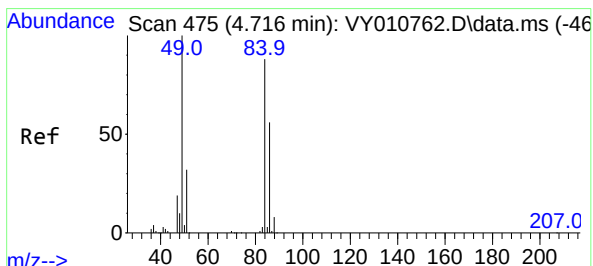
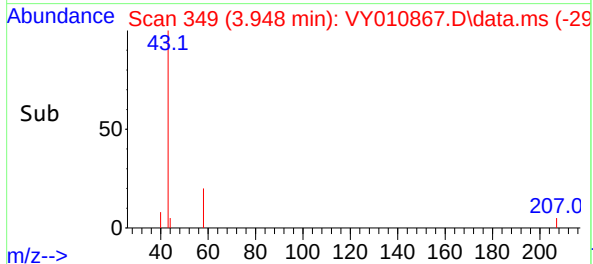
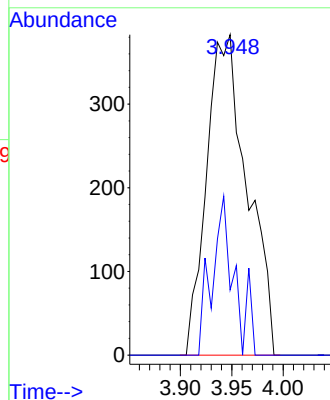
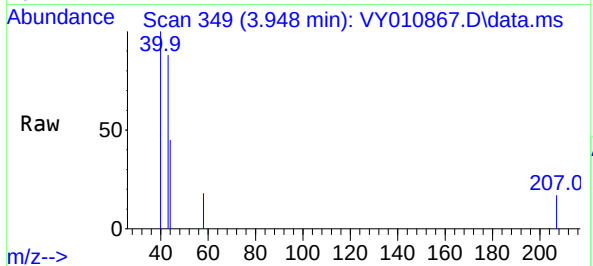




#16  
Acetone  
Concen: 172.972 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

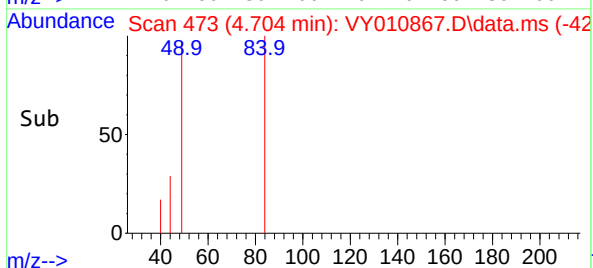
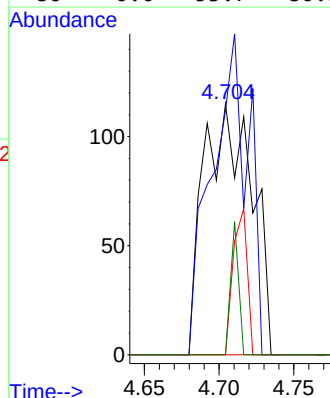
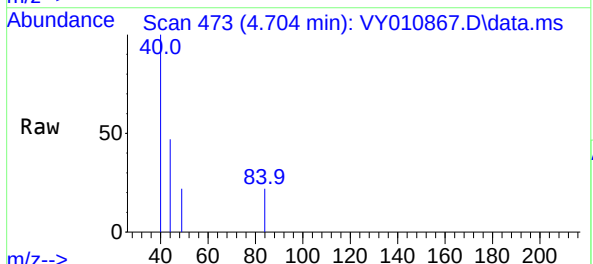
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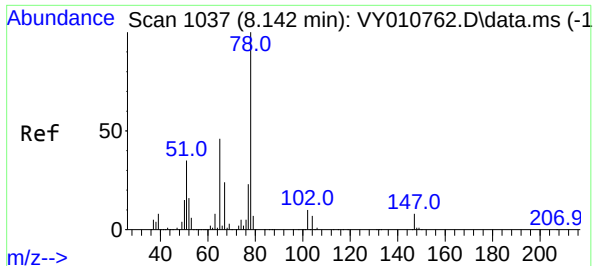
Tgt Ion: 43 Resp: 1054  
Ion Ratio Lower Upper  
43 100  
58 20.4 22.0 33.0#



#20  
Methylene Chloride  
Concen: 4.960 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

Tgt Ion: 84 Resp: 258  
Ion Ratio Lower Upper  
84 100  
49 97.4 114.4 171.6#  
51 0.0 35.3 52.9#  
86 0.0 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 45.514 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY010867.D

Acq: 07 Oct 2022 13:23

Instrument :

MSVOA\_Y

ClientSampleId :

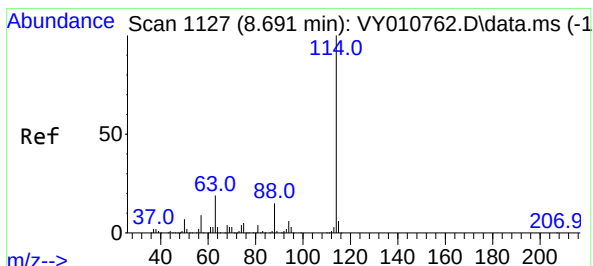
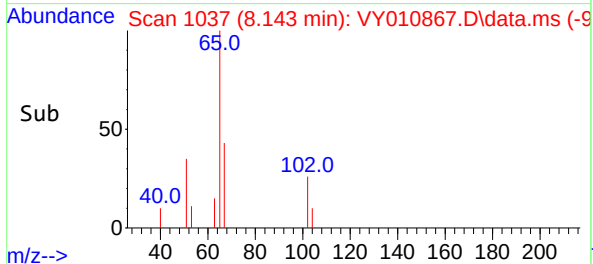
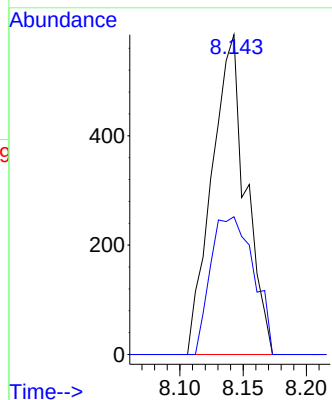
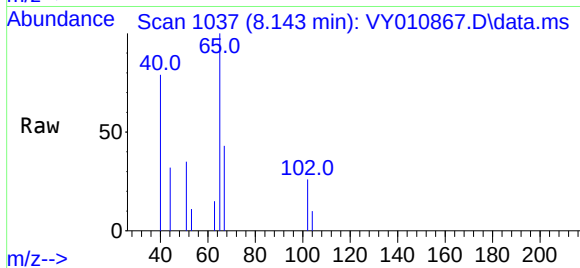
D22019-18RE

Tgt Ion: 65 Resp: 1092

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010867.D

Acq: 07 Oct 2022 13:23

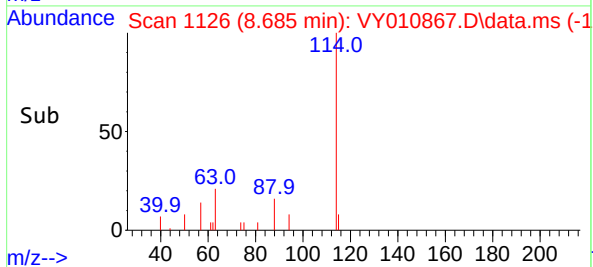
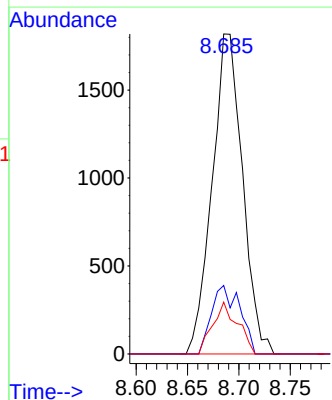
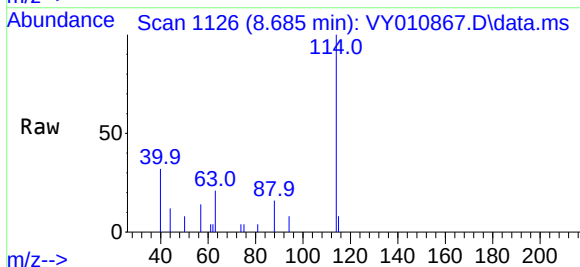
Tgt Ion: 114 Resp: 3733

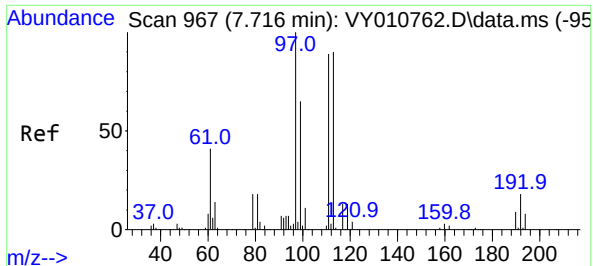
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 16.2 0.0 31.8

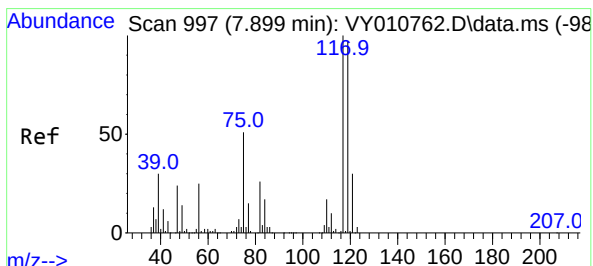
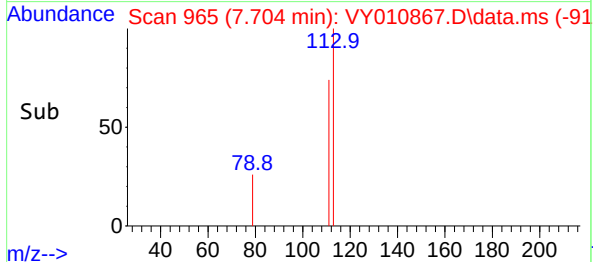
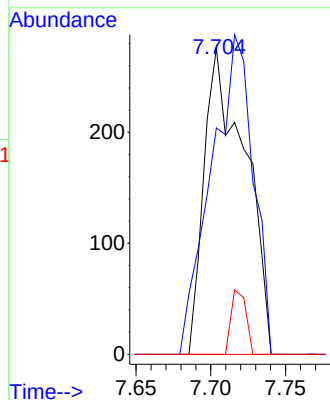
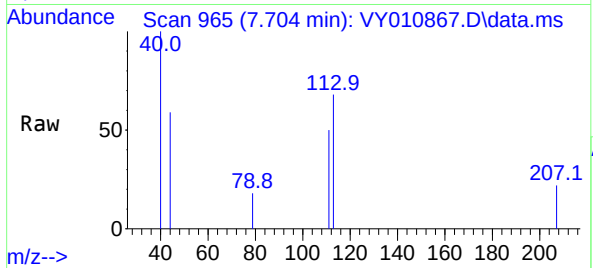




#35  
Dibromofluoromethane  
Concen: 21.025 ug/l  
RT: 7.704 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

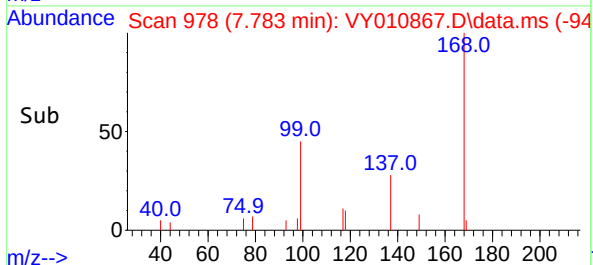
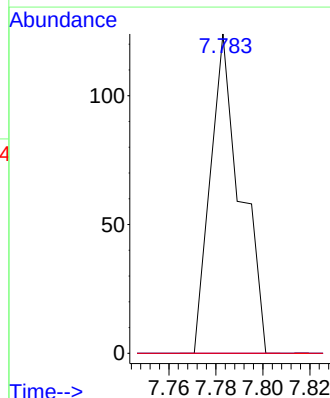
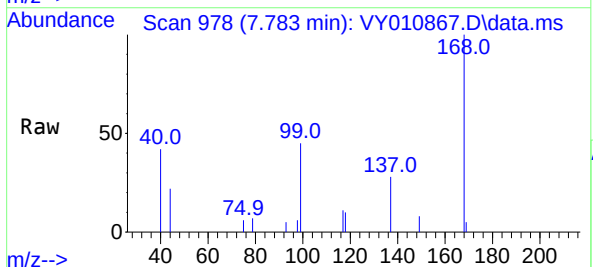
Instrument :  
MSVOA\_Y  
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D22019-18RE

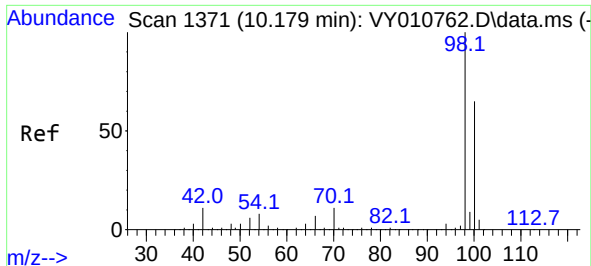
Tgt Ion:113 Resp: 521  
Ion Ratio Lower Upper  
113 100  
111 106.9 82.6 124.0  
192 7.7 17.6 26.4#



#38  
Carbon Tetrachloride  
Concen: 2.979 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.116 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

Tgt Ion:117 Resp: 111  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.9 116.9#  
121 0.0 24.8 37.2#

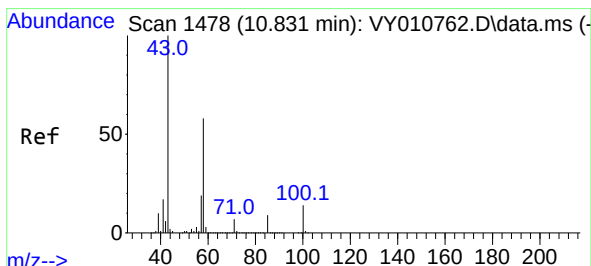
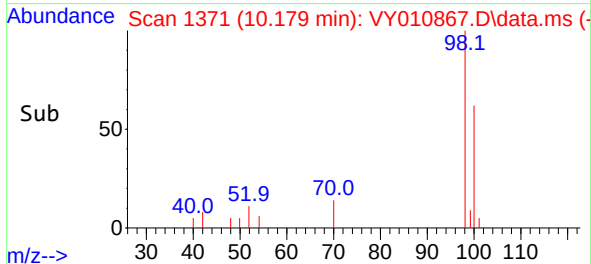
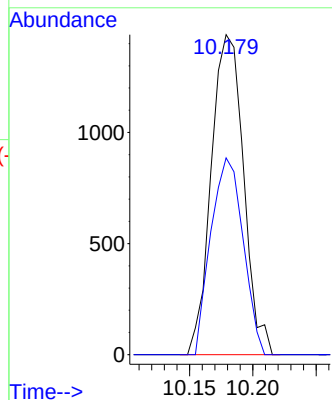
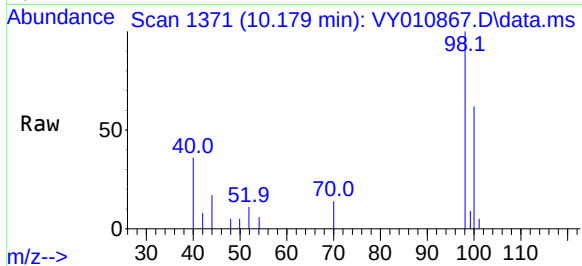




#50  
Toluene-d8  
Concen: 30.220 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

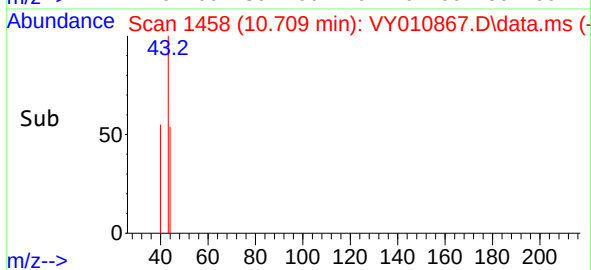
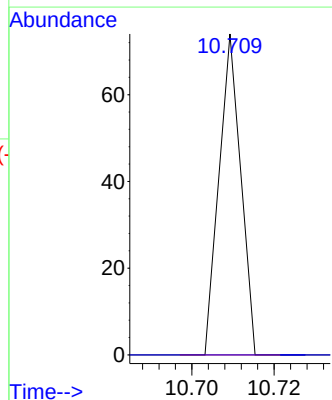
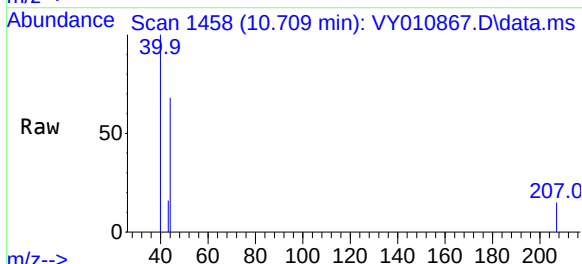
Instrument :  
MSVOA\_Y  
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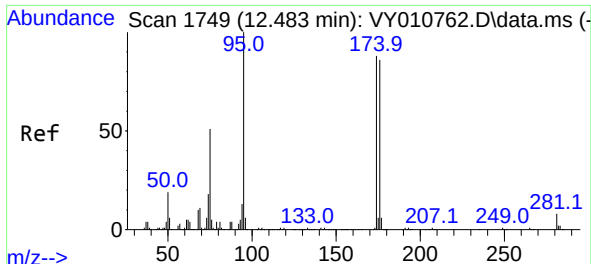
Tgt Ion: 98 Resp: 2561  
Ion Ratio Lower Upper  
98 100  
100 61.1 50.2 75.2



#59  
2-Hexanone  
Concen: 2.243 ug/l  
RT: 10.709 min Scan# 1458  
Delta R.T. -0.122 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

Tgt Ion: 43 Resp: 27  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 73.4#

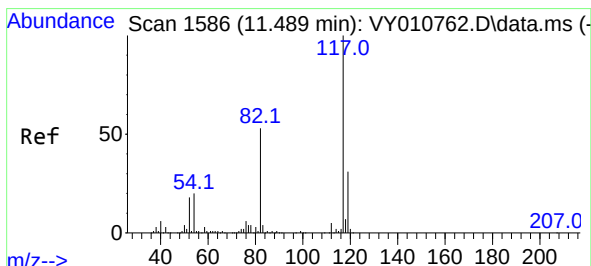
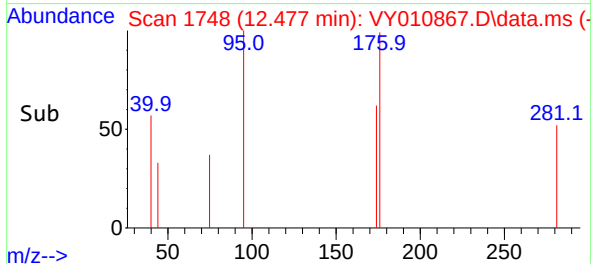
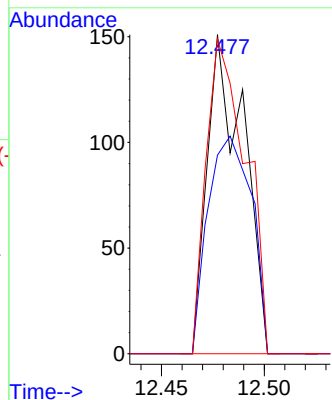
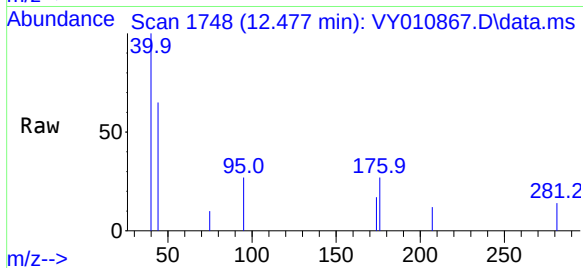




#62  
4-Bromofluorobenzene  
Concen: 2.125 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

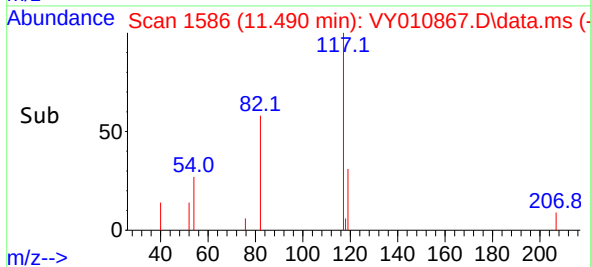
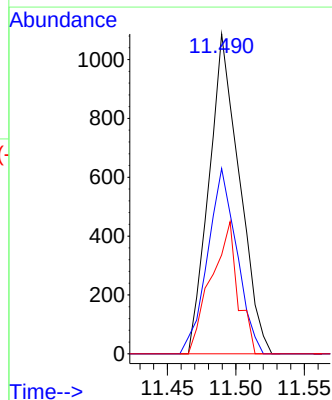
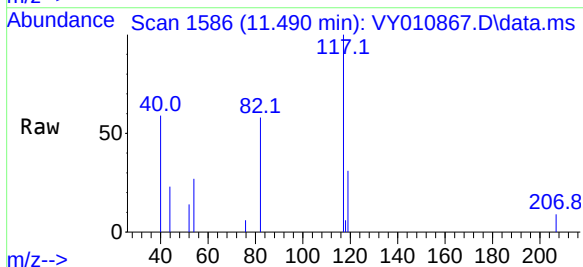
Instrument :  
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Tgt Ion: 95 Resp: 187  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 177.0  
176 106.4 0.0 175.8

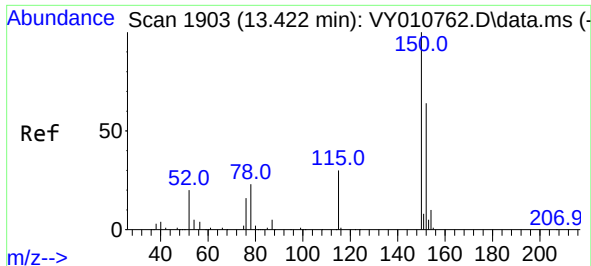


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

Tgt Ion: 117 Resp: 1676  
Ion Ratio Lower Upper  
117 100  
82 58.0 43.0 64.4  
119 30.9 25.4 38.0

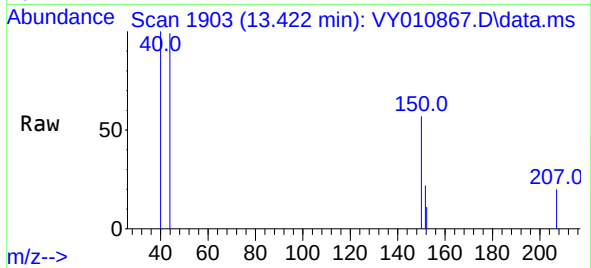




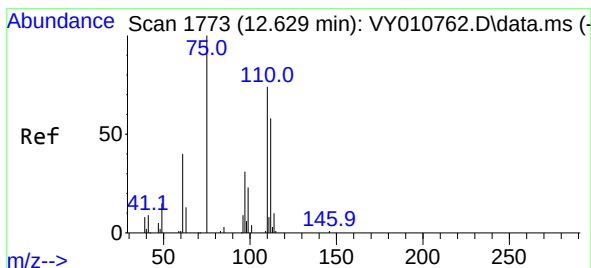
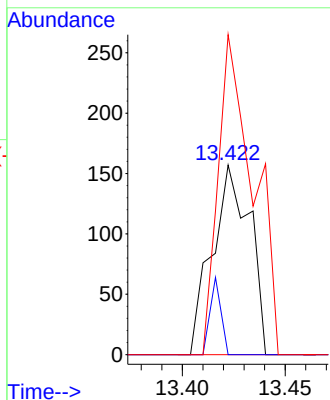
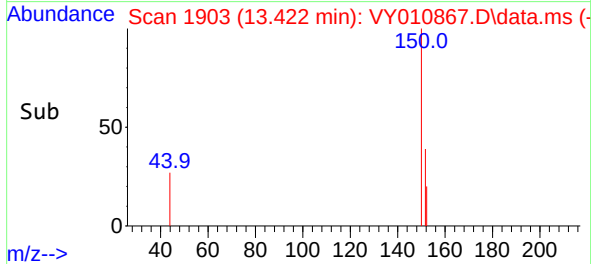


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23

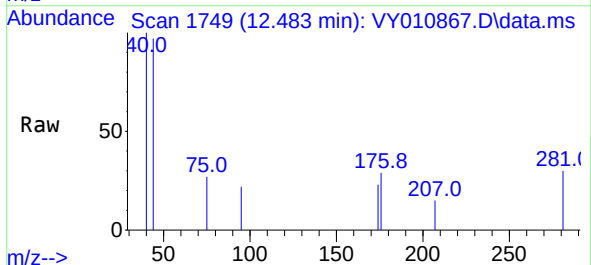
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D22019-18RE



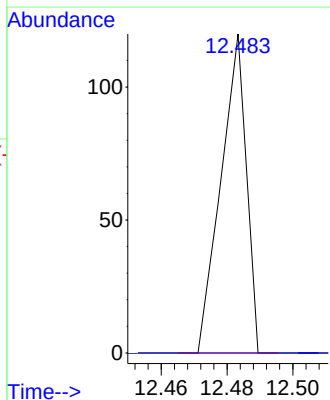
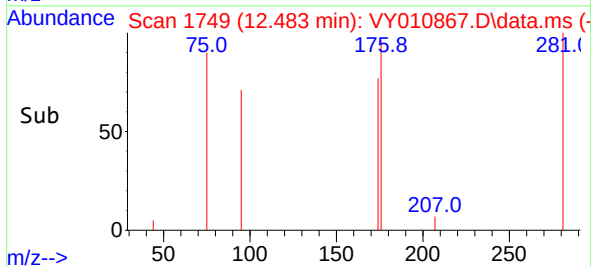
Tgt Ion:152 Resp: 201  
Ion Ratio Lower Upper  
152 100  
115 11.4 28.2 84.7#  
150 156.7 0.0 347.6

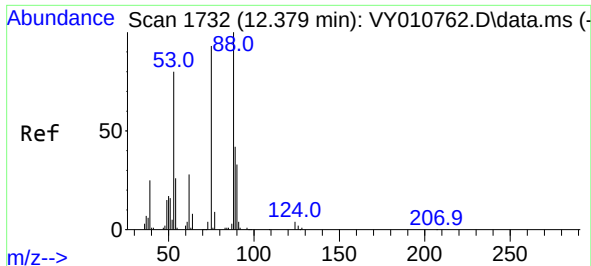


#76  
1,2,3-Trichloropropane  
Concen: 31.442 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY010867.D  
Acq: 07 Oct 2022 13:23



Tgt Ion: 75 Resp: 64  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 65.679 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY010867.D  
 Acq: 07 Oct 2022 13:23

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 D22019-18RE

Tgt Ion: 75 Resp: 64  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

