

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100522\  
 Data File : VY010815.D  
 Acq On : 05 Oct 2022 13:23  
 Operator : KP/MD  
 Sample : N4988-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AU-5-100422

Quant Time: Oct 06 09:17:31 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

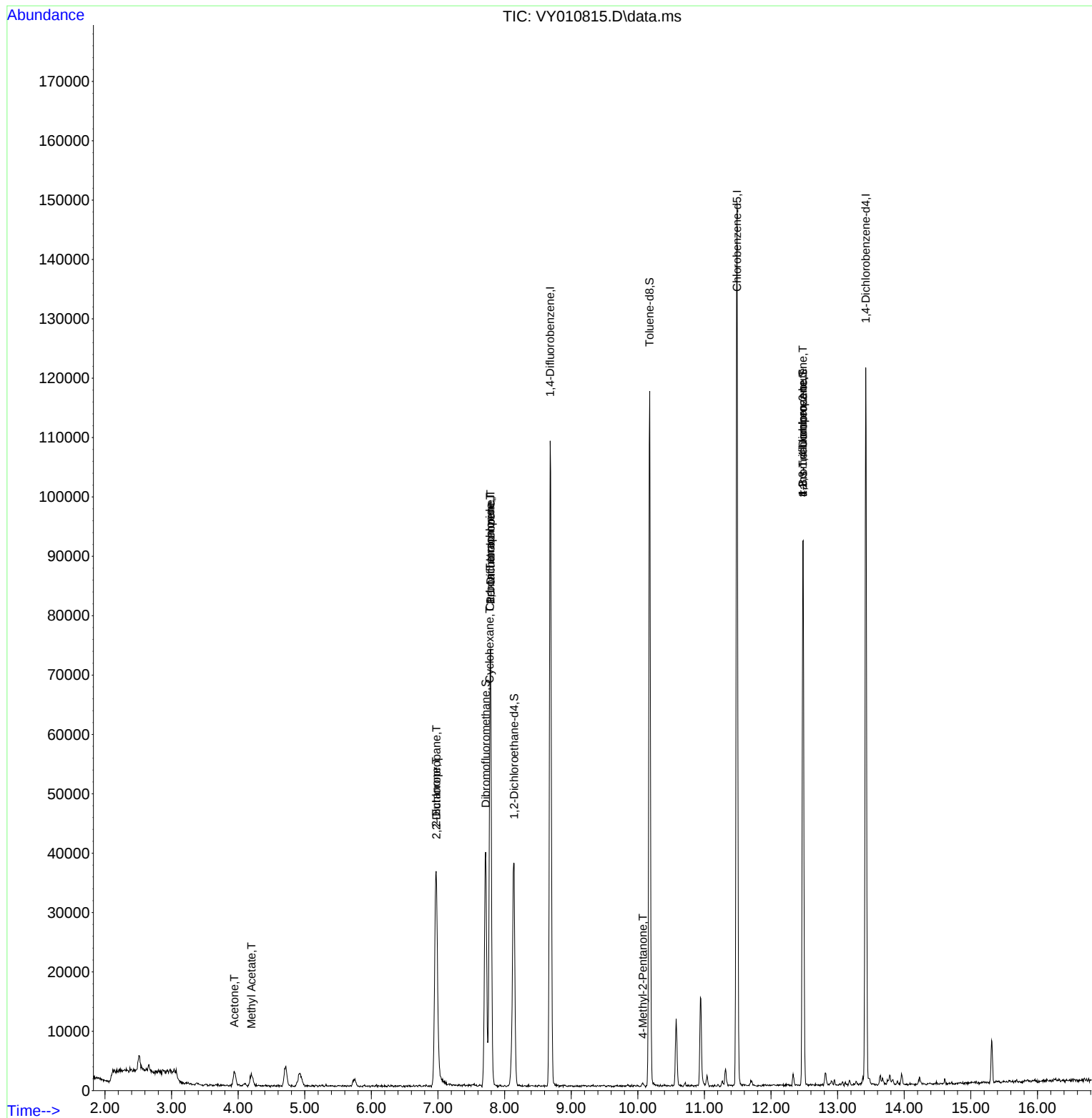
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 57818      | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 92730      | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 82136      | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 31717      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143          | 65   | 29237      | 49.888    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 99.780%   |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 28025      | 45.529    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 91.060%   |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 77692      | 36.906    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 73.820%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 27140      | 31.649    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 63.300%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 11) Tert butyl alcohol        | 4.924          | 59   | 2822       | Below Cal | #      | 77       |
| 16) Acetone                   | 3.942          | 43   | 4339       | 29.151    | ug/l   | 96       |
| 18) Methyl Acetate            | 4.198          | 43   | 738        | 1.941     | ug/l # | 56       |
| 20) Methylene Chloride        | 4.704          | 84   | 2492       | Below Cal | #      | 75       |
| 25) 2-Butanone                | 6.972          | 43   | 2174       | 10.159    | ug/l   | 97       |
| 26) 2,2-Dichloropropane       | 6.978          | 77   | 2811       | 2.710     | ug/l # | 55       |
| 31) Cyclohexane               | 7.777          | 56   | 1236       | 1.178     | ug/l # | 7        |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 4819       | 5.423     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 5687       | 6.145     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.075         | 43   | 444        | 1.028     | ug/l # | 68       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 14271      | 44.431    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 14271      | 92.812    | ug/l # | 7        |
| -----                         |                |      |            |           |        |          |

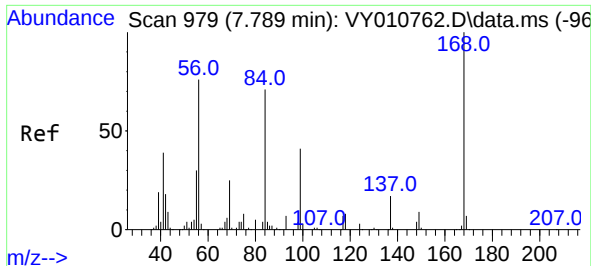
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100522\  
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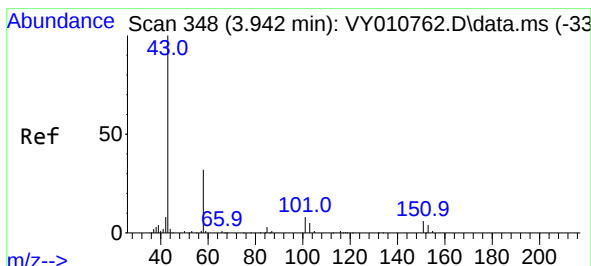
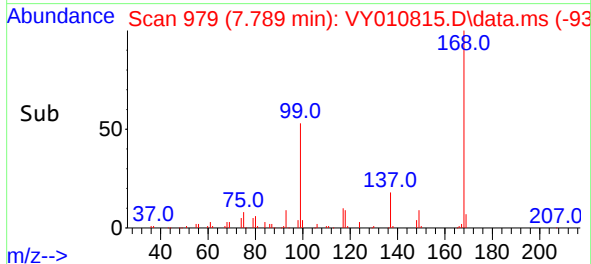
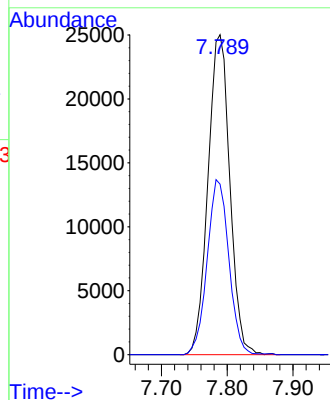
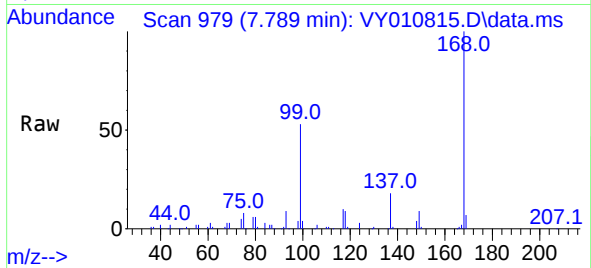




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

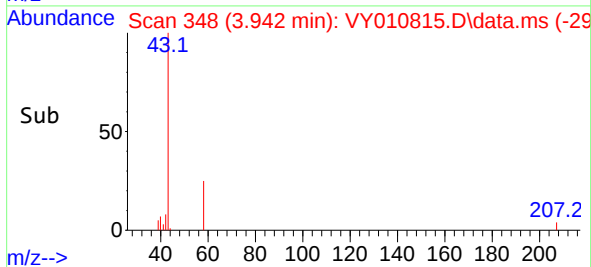
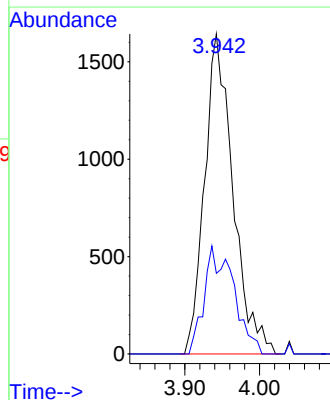
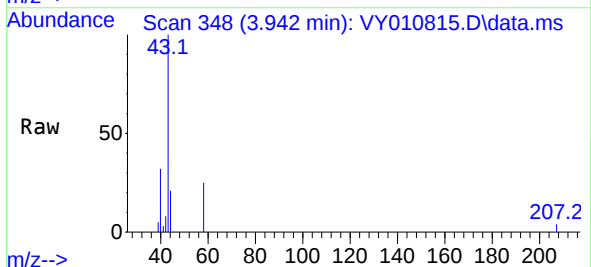
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-5-100422

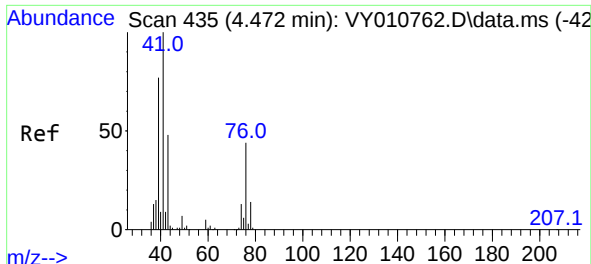
Tgt Ion:168 Resp: 57818  
Ion Ratio Lower Upper  
168 100  
99 53.3 46.9 70.3



#16  
Acetone  
Concen: 29.151 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

Tgt Ion: 43 Resp: 4339  
Ion Ratio Lower Upper  
43 100  
58 25.2 22.0 33.0

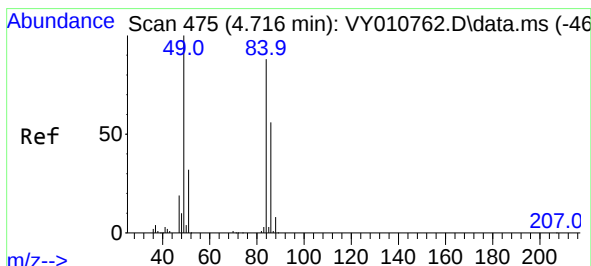
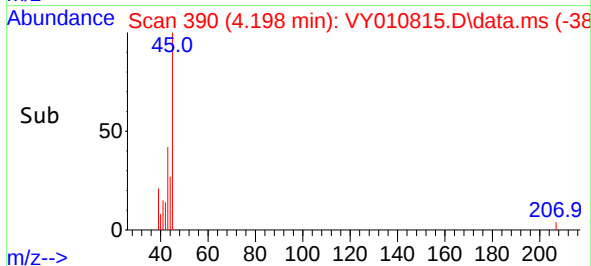
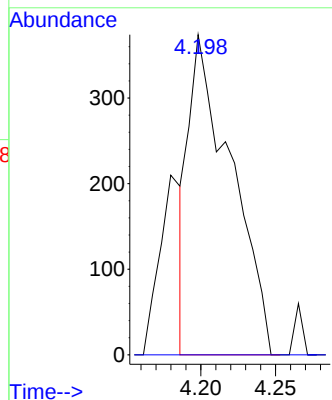
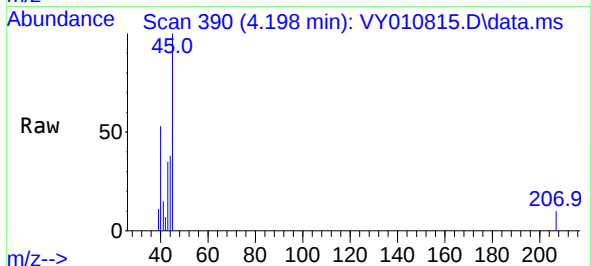




#18  
Methyl Acetate  
Concen: 1.941 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.274 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

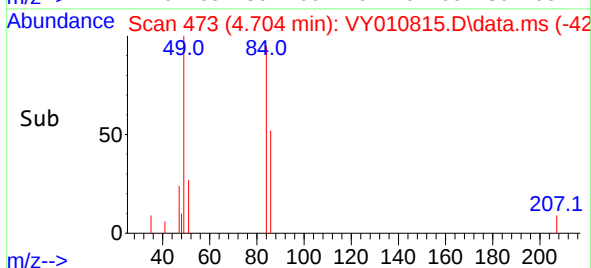
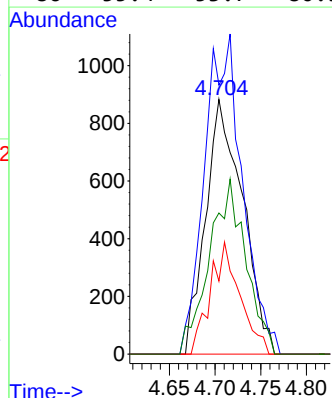
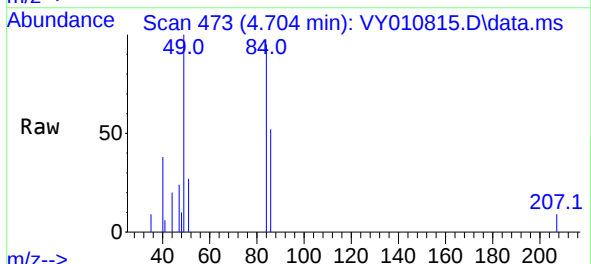
Instrument :  
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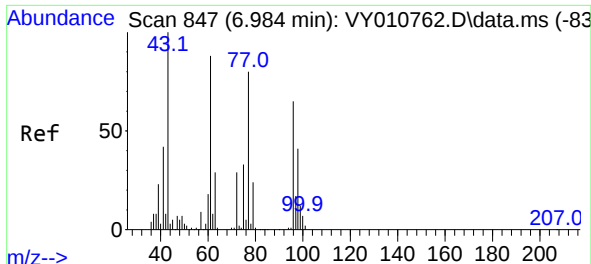
Tgt Ion: 43 Resp: 738  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

Tgt Ion: 84 Resp: 2492  
Ion Ratio Lower Upper  
84 100  
49 105.7 114.4 171.6#  
51 28.7 35.3 52.9#  
86 55.4 53.7 80.5





#25

2-Butanone

Concen: 10.159 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY010815.D

Acq: 05 Oct 2022 13:23

Instrument :

MSVOA\_Y

ClientSampleId :

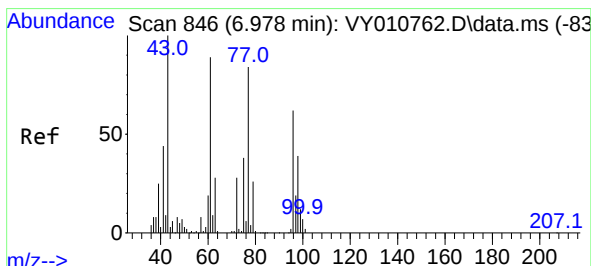
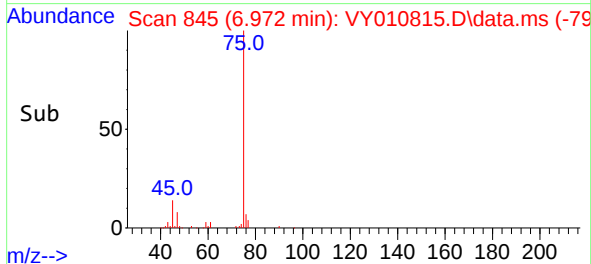
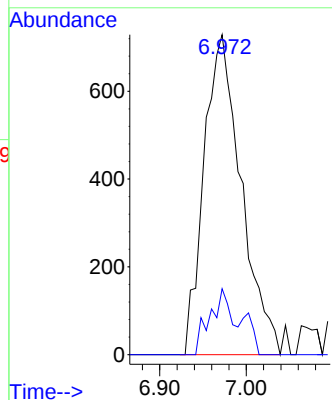
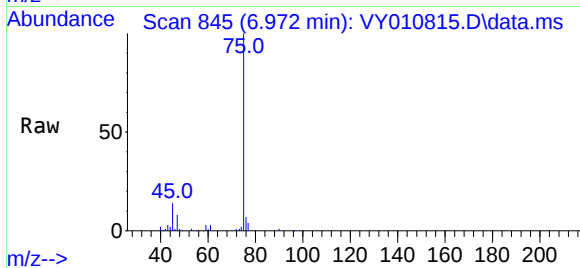
AU-5-100422

Tgt Ion: 43 Resp: 2174

Ion Ratio Lower Upper

43 100

72 20.6 17.7 26.5



#26

2,2-Dichloropropane

Concen: 2.710 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010815.D

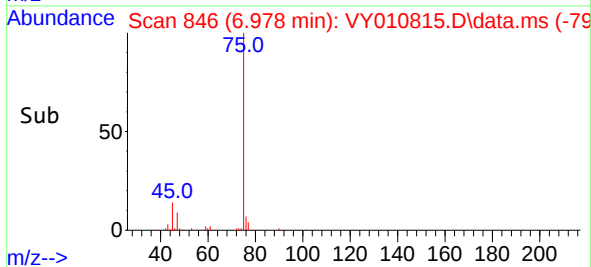
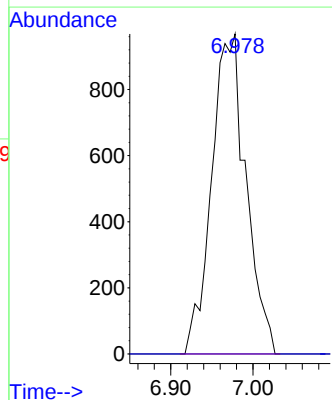
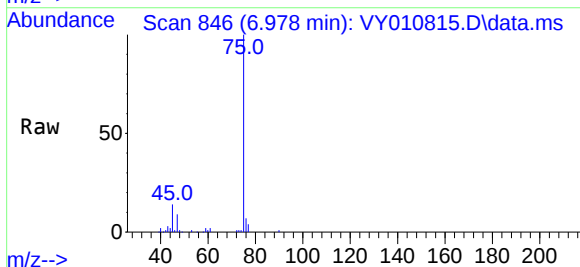
Acq: 05 Oct 2022 13:23

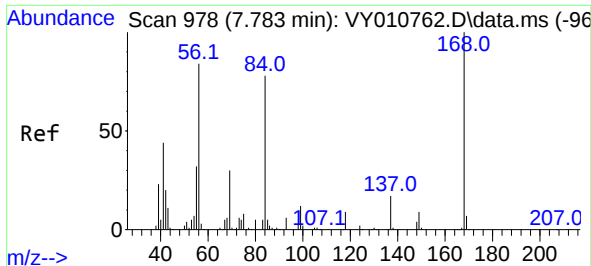
Tgt Ion: 77 Resp: 2811

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

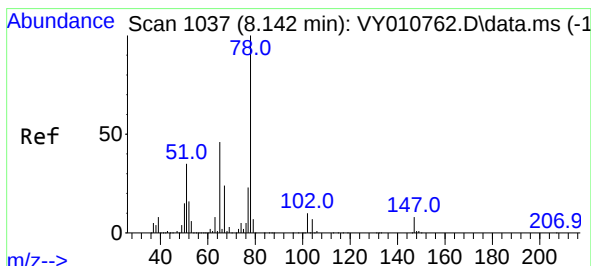
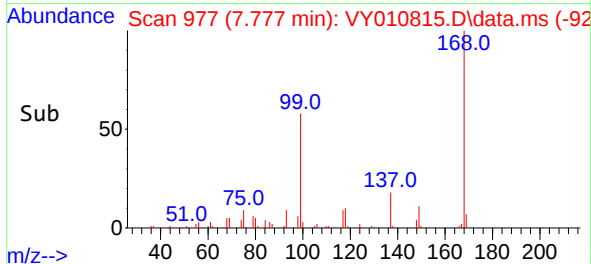
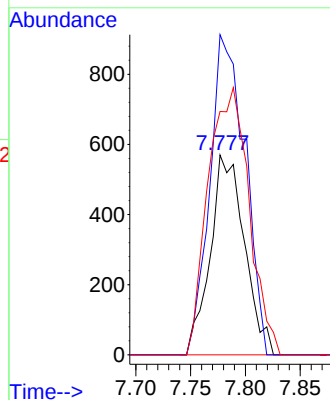
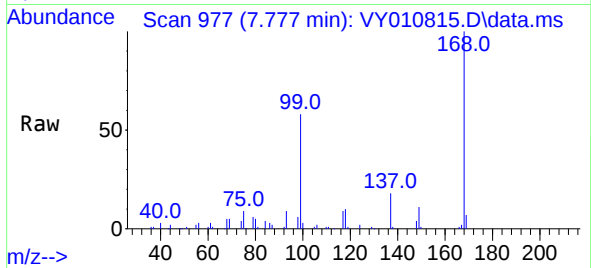




#31  
Cyclohexane  
Concen: 1.178 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

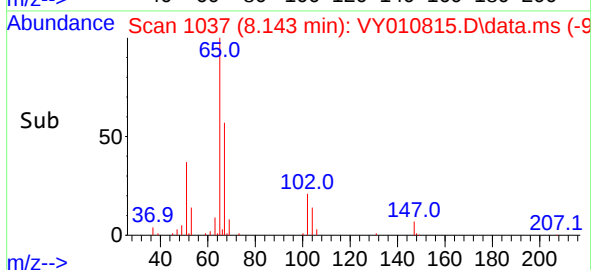
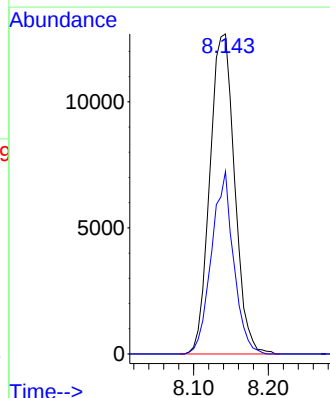
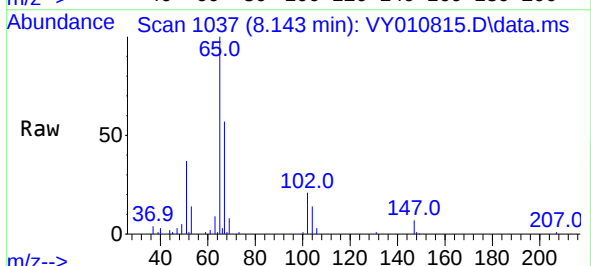
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-5-100422

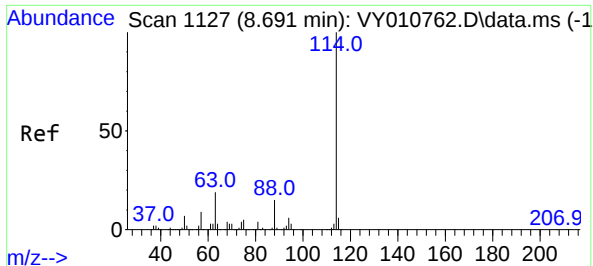
Tgt Ion: 56 Resp: 1236  
Ion Ratio Lower Upper  
56 100  
69 160.2 26.7 40.1#  
84 121.8 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 49.888 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

Tgt Ion: 65 Resp: 29237  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010815.D

Acq: 05 Oct 2022 13:23

Instrument :

MSVOA\_Y

ClientSampleId :

AU-5-100422

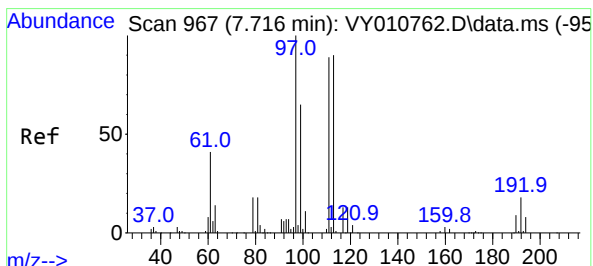
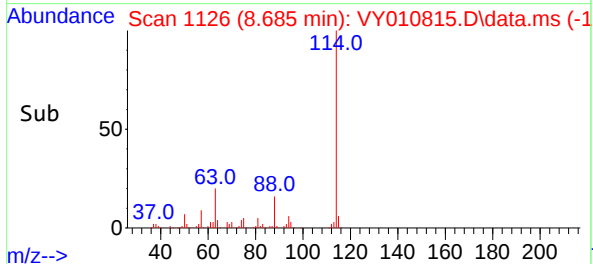
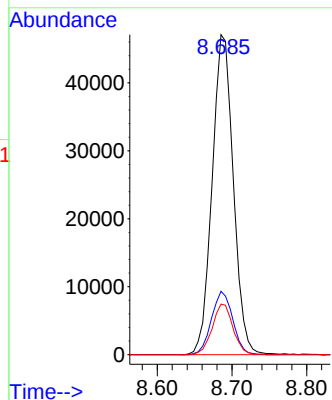
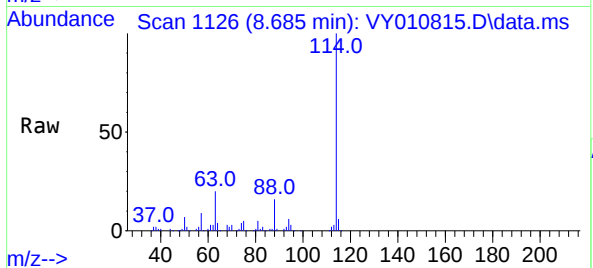
Tgt Ion:114 Resp: 92730

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.529 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010815.D

Acq: 05 Oct 2022 13:23

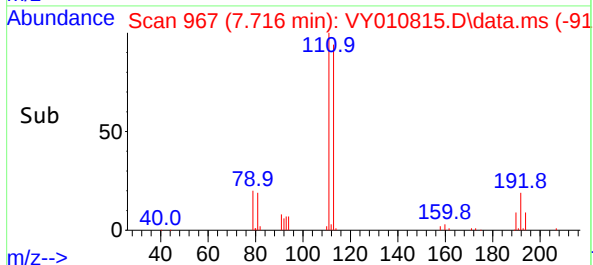
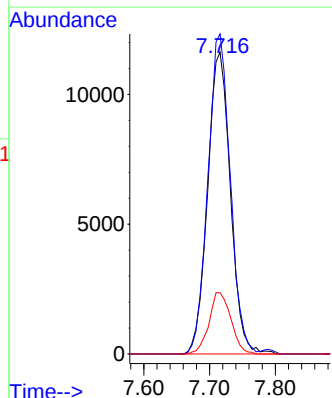
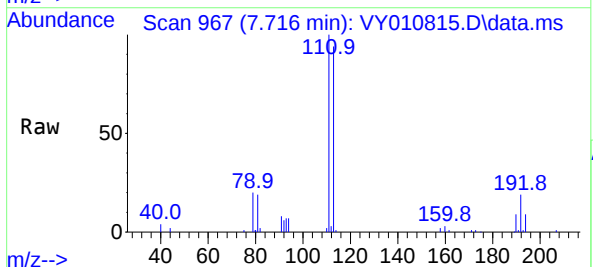
Tgt Ion:113 Resp: 28025

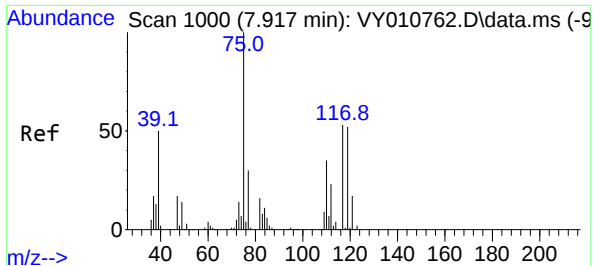
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.423 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010815.D

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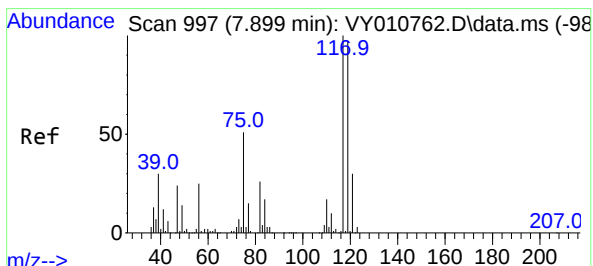
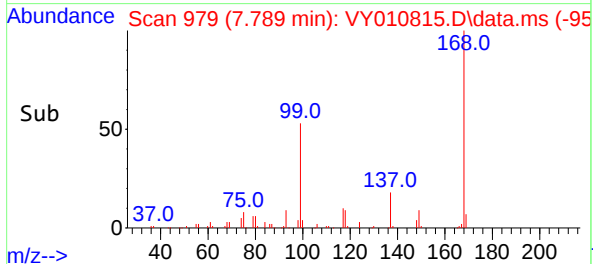
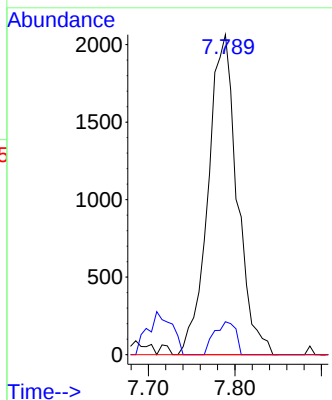
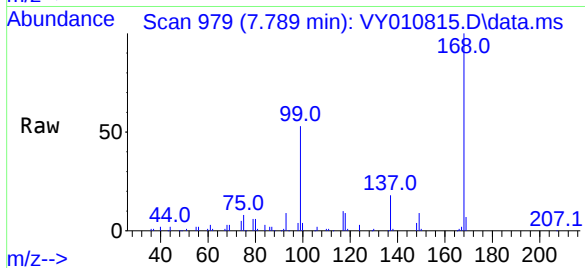
Tgt Ion: 75 Resp: 4819

Ion Ratio Lower Upper

75 100

110 7.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.145 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010815.D

Acq: 05 Oct 2022 13:23

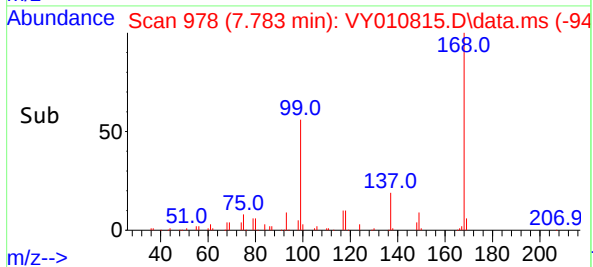
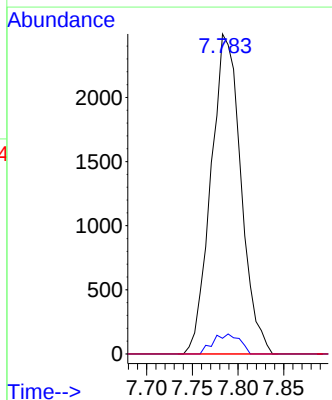
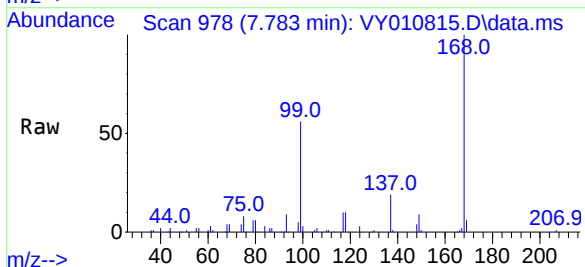
Tgt Ion: 117 Resp: 5687

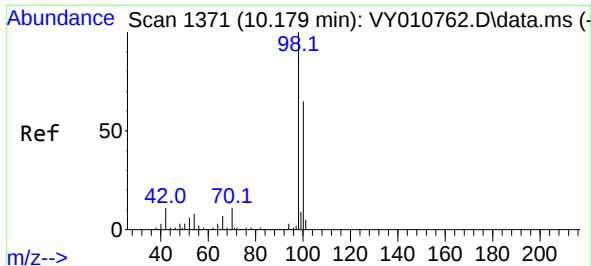
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#

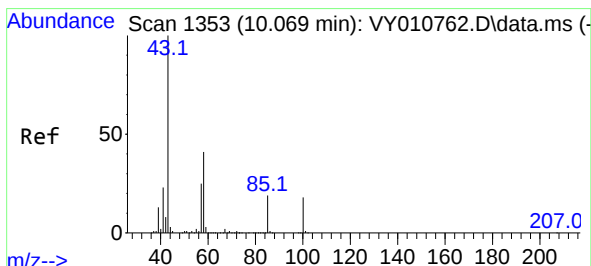
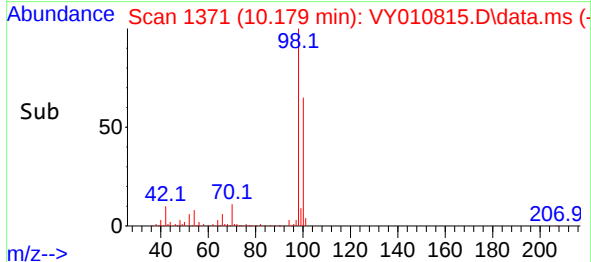
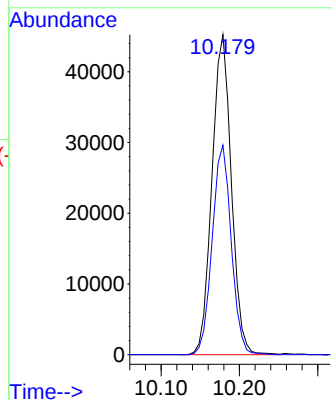
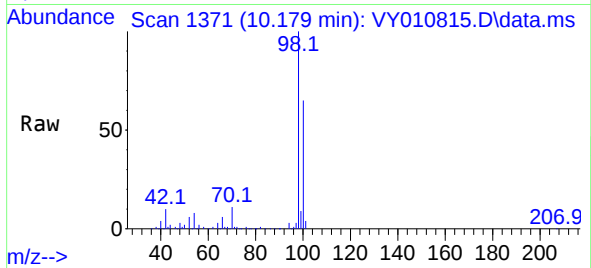




#50  
Toluene-d8  
Concen: 36.906 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

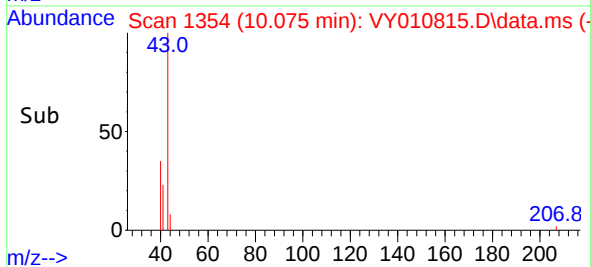
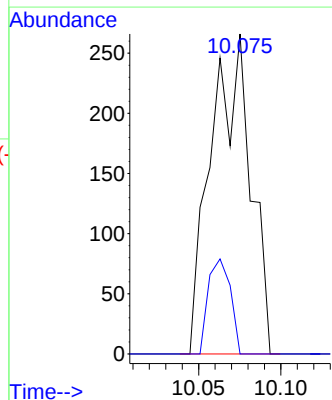
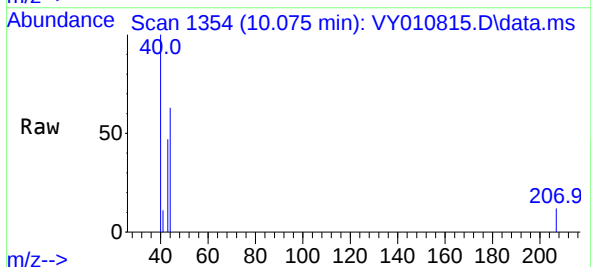
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-5-100422

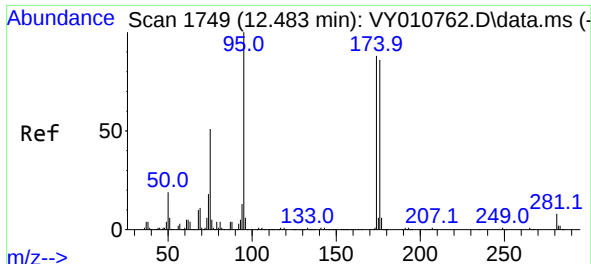
Tgt Ion: 98 Resp: 77692  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.028 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.006 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

Tgt Ion: 43 Resp: 444  
Ion Ratio Lower Upper  
43 100  
58 16.7 28.1 42.1#

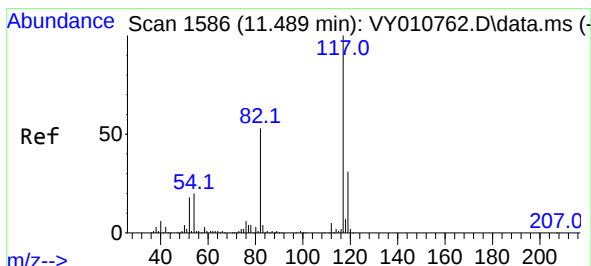
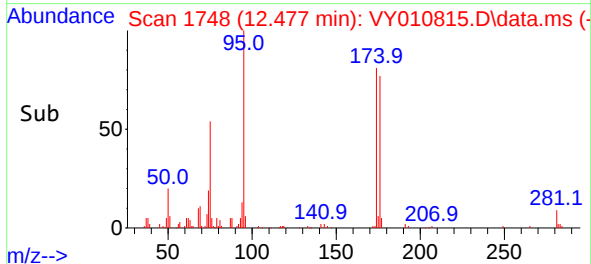
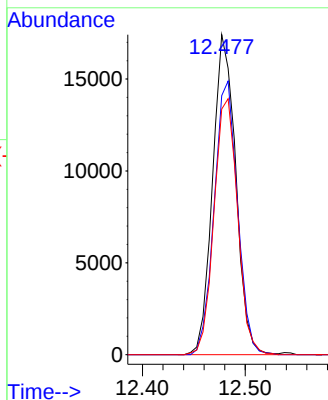
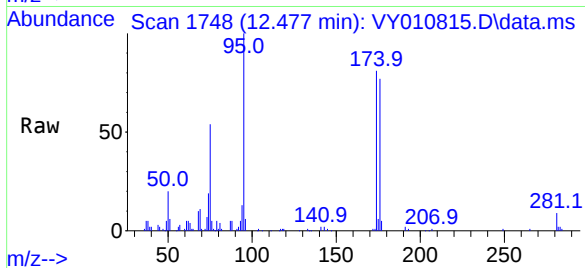




#62  
4-Bromofluorobenzene  
Concen: 31.649 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

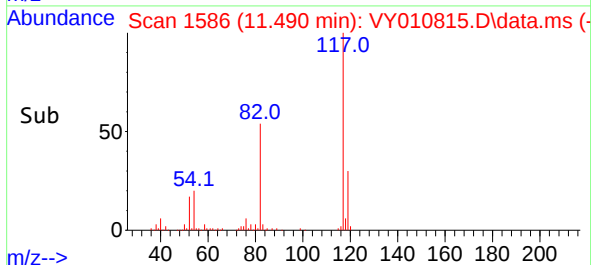
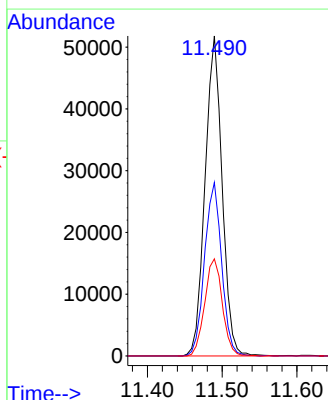
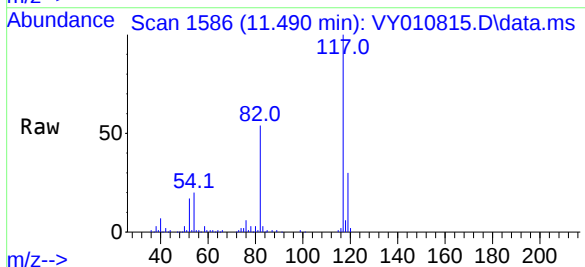
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-5-100422

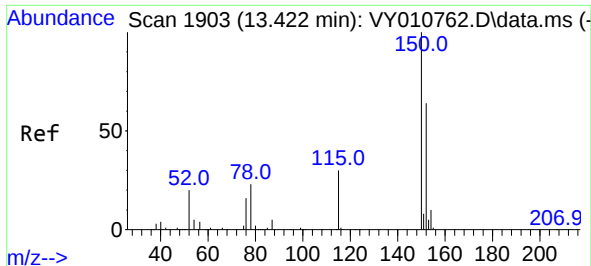
Tgt Ion: 95 Resp: 27140  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 177.0  
176 81.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

Tgt Ion: 117 Resp: 82136  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.0 64.4  
119 30.3 25.4 38.0

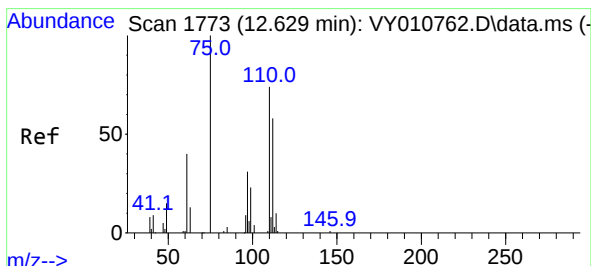
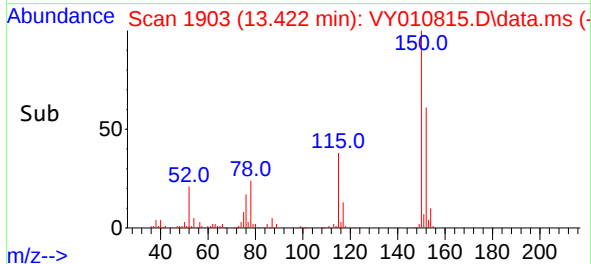
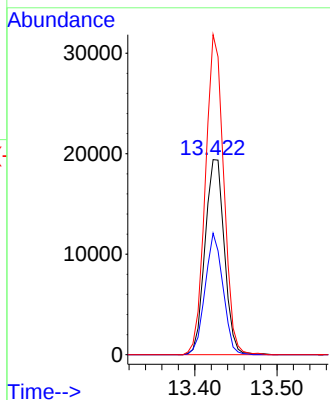
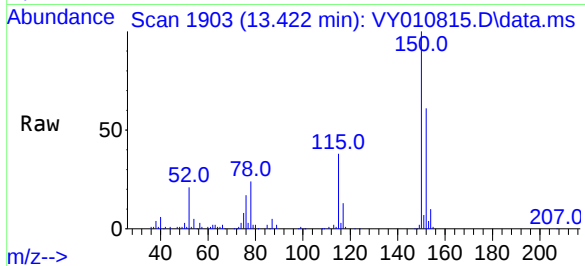




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

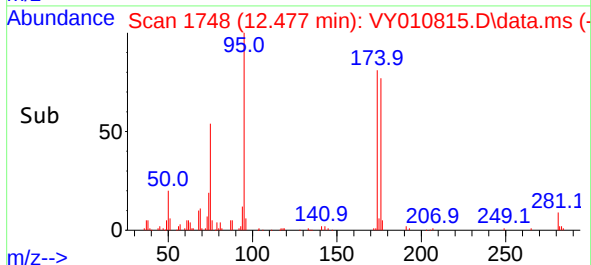
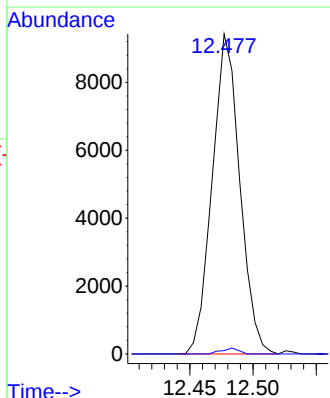
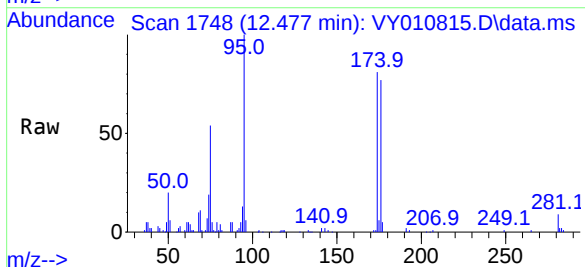
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-5-100422

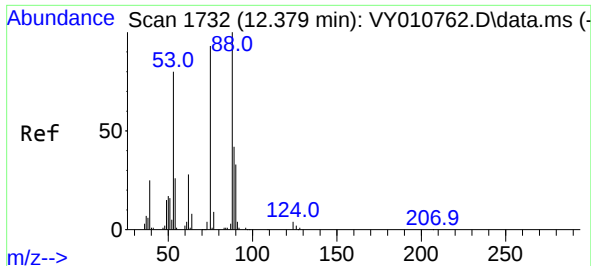
Tgt Ion:152 Resp: 31717  
Ion Ratio Lower Upper  
152 100  
115 57.4 28.2 84.7  
150 155.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 44.431 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

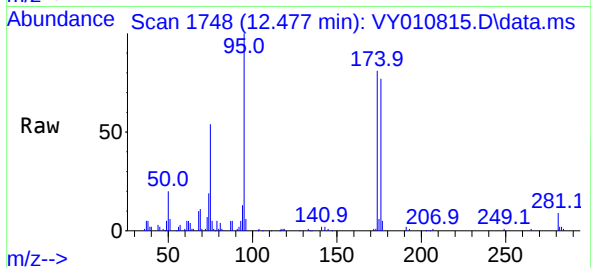
Tgt Ion: 75 Resp: 14271  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.812 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY010815.D  
Acq: 05 Oct 2022 13:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-5-100422



Tgt Ion: 75 Resp: 14271  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

