

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031822\  
 Data File : VY007900.D  
 Acq On : 18 Mar 2022 14:23  
 Operator : SY/MD  
 Sample : N1945-10  
 Misc : 5.51g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 4PH-3-7.5-8

Quant Time: Mar 19 01:35:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

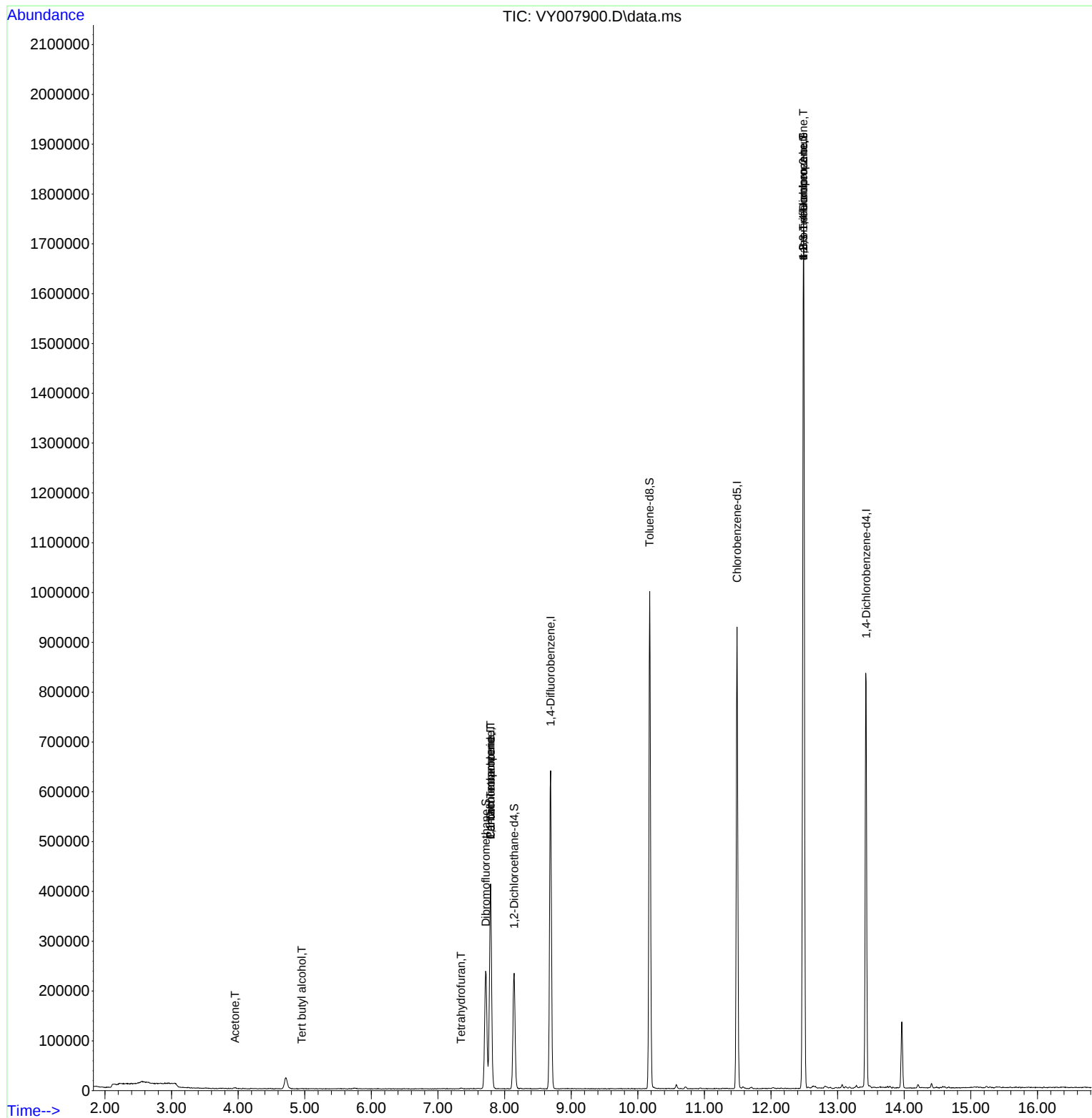
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 307729   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 555009   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 493211   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 210103   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 176660   | 50.349    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 100.700% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 173626   | 44.545    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 89.080%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 656524   | 56.559    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 113.120% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 223211   | 39.901    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 79.800%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.906     | 85    | 188      | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.113     | 50    | 1537     | Below Cal | #          | 78       |
| 4) Vinyl Chloride             | 2.272     | 62    | 316      | Below Cal | #          | 43       |
| 5) Bromomethane               | 2.662     | 94    | 779      | Below Cal |            | 90       |
| 11) Tert butyl alcohol        | 4.954     | 59    | 463      | 1.133     | ug/l #     | 76       |
| 16) Acetone                   | 3.954     | 43    | 3819     | 4.103     | ug/l       | 92       |
| 17) Carbon Disulfide          | 4.186     | 76    | 40       | Below Cal | #          | 75       |
| 18) Methyl Acetate            | 4.466     | 43    | 370      | Below Cal | #          | 56       |
| 29) Tetrahydrofuran           | 7.344     | 42    | 1389     | 1.454     | ug/l #     | 82       |
| 31) Cyclohexane               | 7.789     | 56    | 6714     | Below Cal | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 25162    | 4.352     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 32720    | 5.297     | ug/l #     | 15       |
| 39) Methylcyclohexane         | 9.209     | 83    | 44       | Below Cal | #          | 64       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 126670   | 42.298    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 126670   | 88.844    | ug/l #     | 9        |

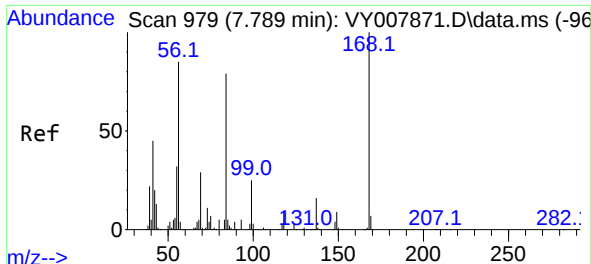
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031822\  
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ALS Vial : 11 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
4PH-3-7.5-8

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Response via : Initial Calibration

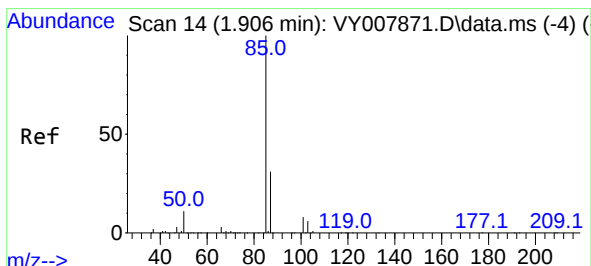
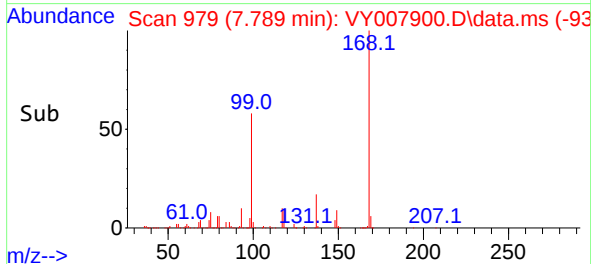
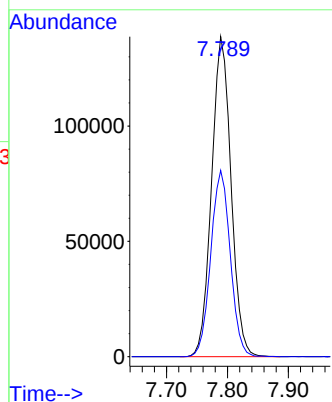
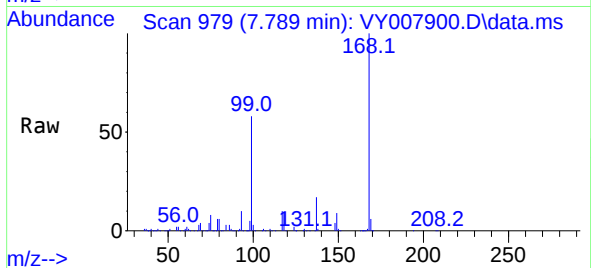




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

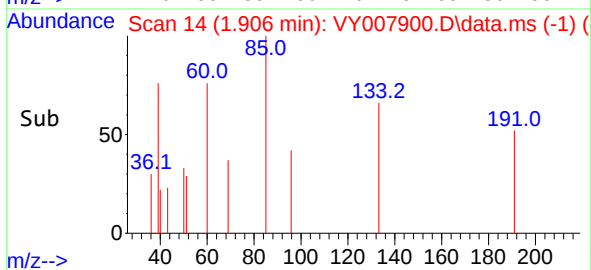
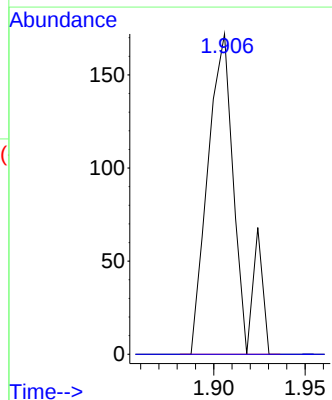
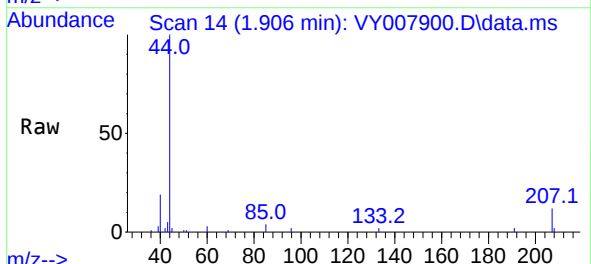
Instrument :  
MSVOA\_Y  
ClientSampleId :  
4PH-3-7.5-8

Tgt Ion:168 Resp: 307729  
Ion Ratio Lower Upper  
168 100  
99 58.2 46.9 70.3

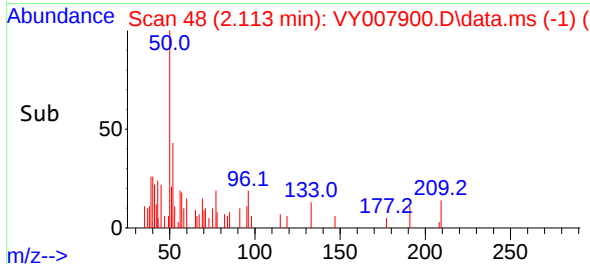
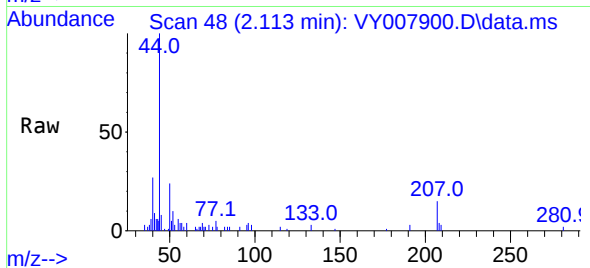
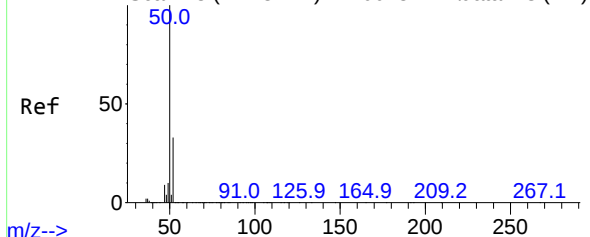


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Tgt Ion: 85 Resp: 188  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#



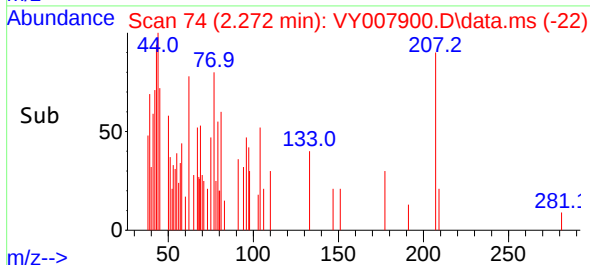
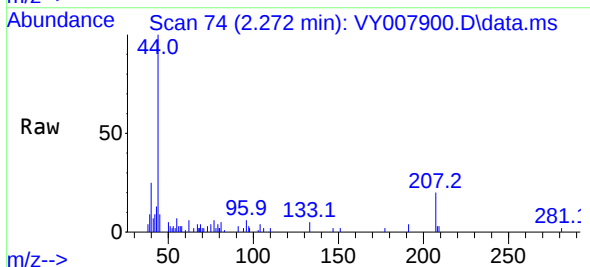
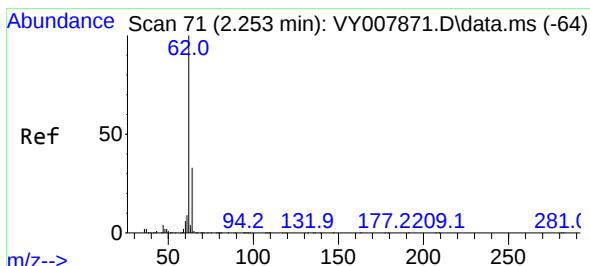
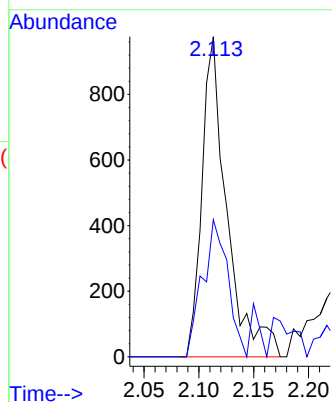
Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

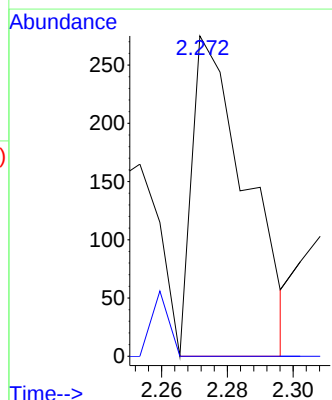
Instrument :  
MSVOA\_Y  
ClientSampleId :  
4PH-3-7.5-8

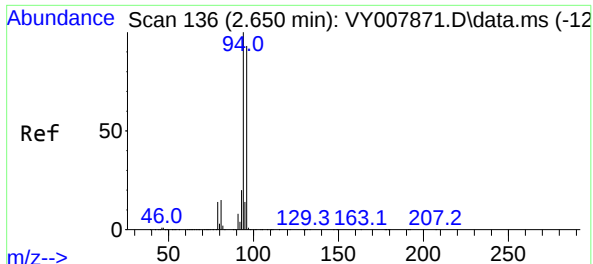
Tgt Ion: 50 Resp: 1537  
Ion Ratio Lower Upper  
50 100  
52 42.8 24.6 37.0#



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.272 min Scan# 74  
Delta R.T. 0.018 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Tgt Ion: 62 Resp: 316  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

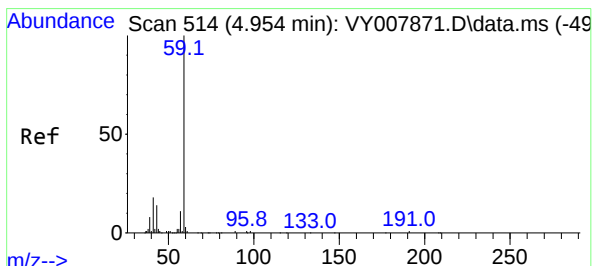
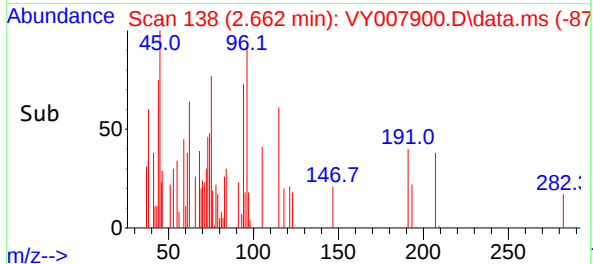
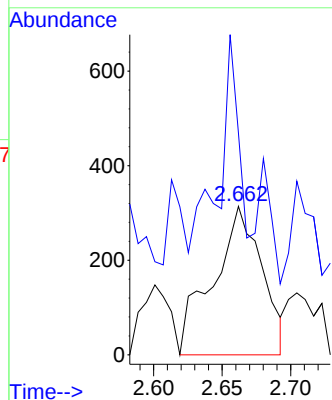
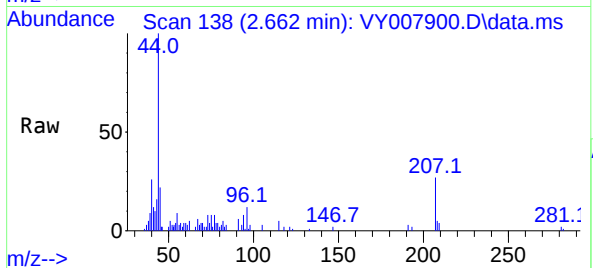




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

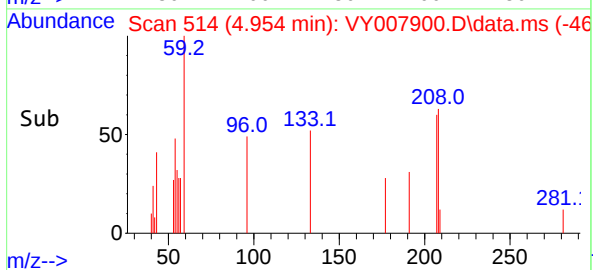
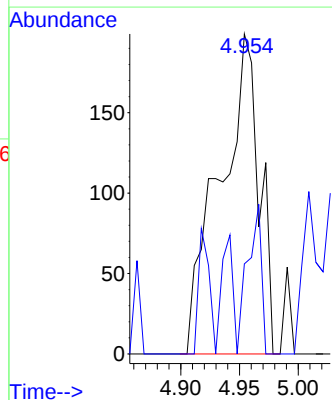
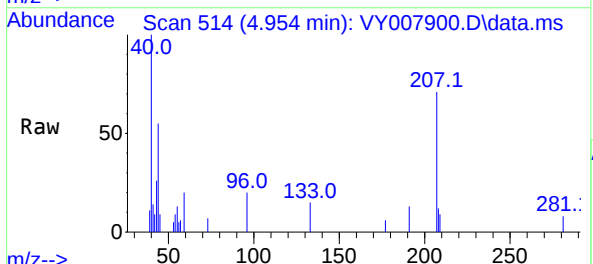
Instrument :  
MSVOA\_Y  
ClientSampleId :  
4PH-3-7.5-8

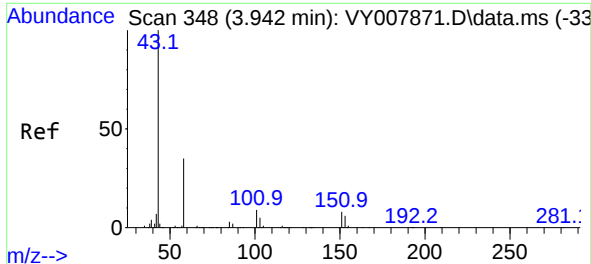
Tgt Ion: 94 Resp: 779  
Ion Ratio Lower Upper  
94 100  
96 101.6 73.5 110.3



#11  
Tert butyl alcohol  
Concen: 1.133 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Tgt Ion: 59 Resp: 463  
Ion Ratio Lower Upper  
59 100  
57 16.4 6.4 9.6#





#16

Acetone

Concen: 4.103 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY007900.D

Acq: 18 Mar 2022 14:23

Instrument :

MSVOA\_Y

ClientSampleId :

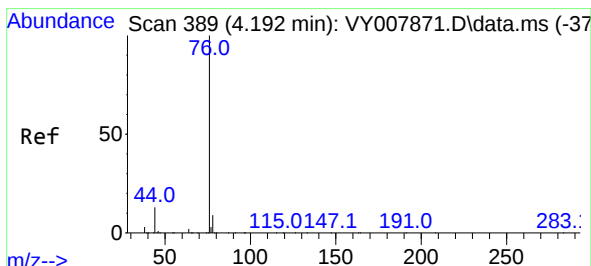
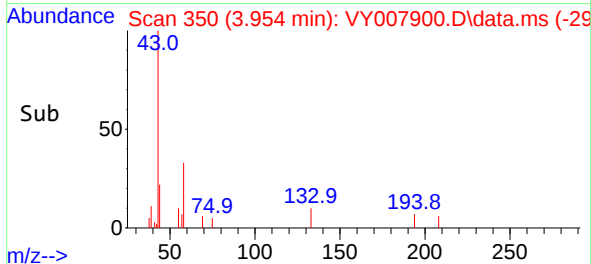
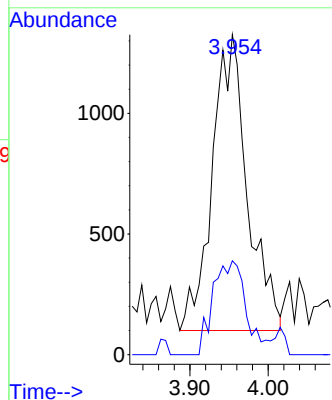
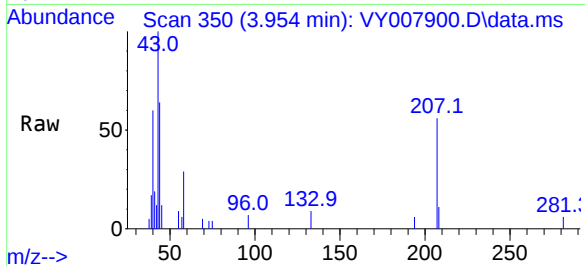
4PH-3-7.5-8

Tgt Ion: 43 Resp: 3819

Ion Ratio Lower Upper

43 100

58 31.7 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.186 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY007900.D

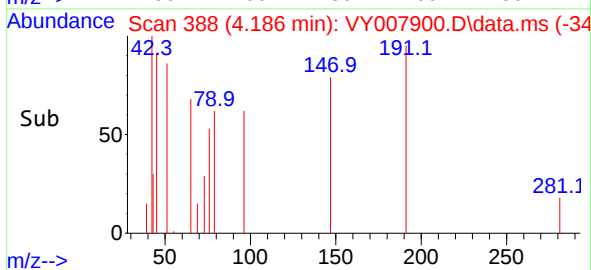
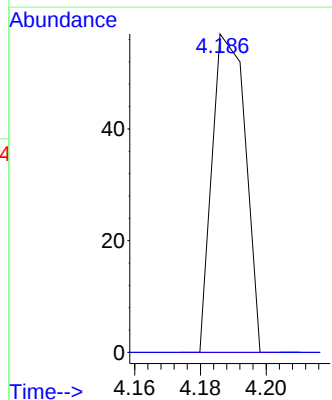
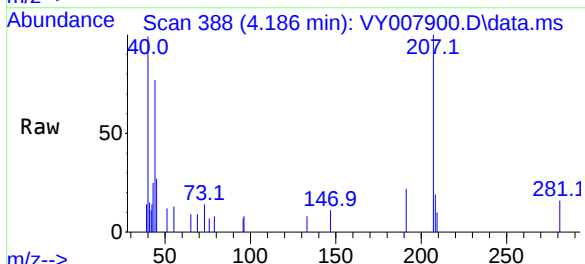
Acq: 18 Mar 2022 14:23

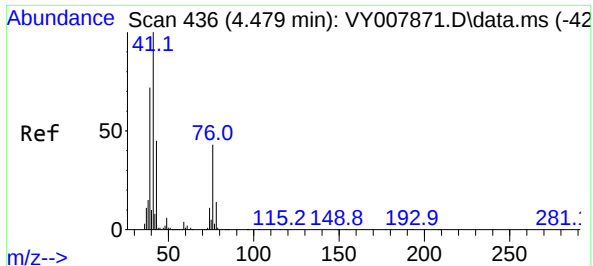
Tgt Ion: 76 Resp: 40

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

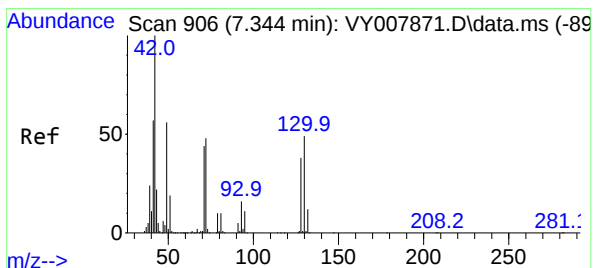
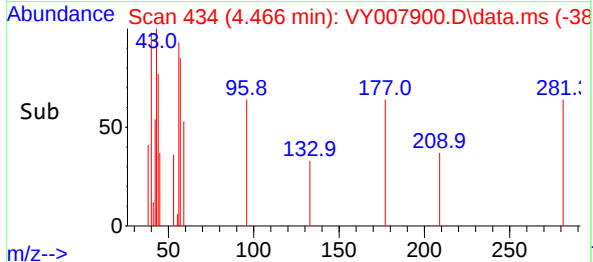
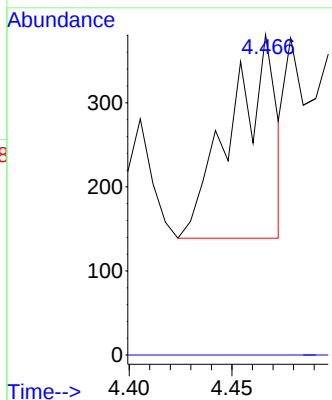
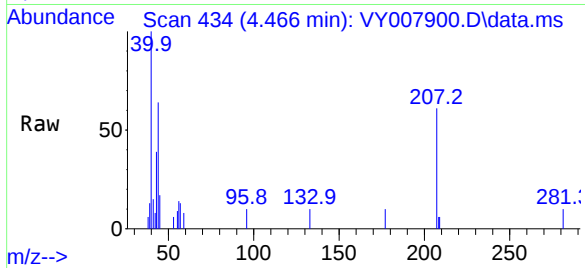




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.466 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

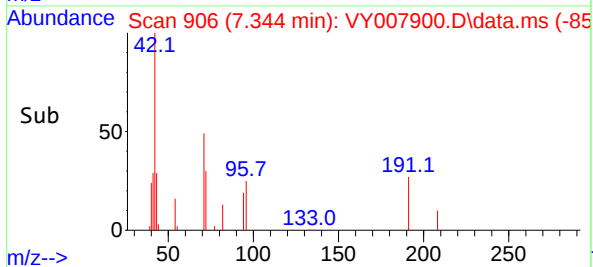
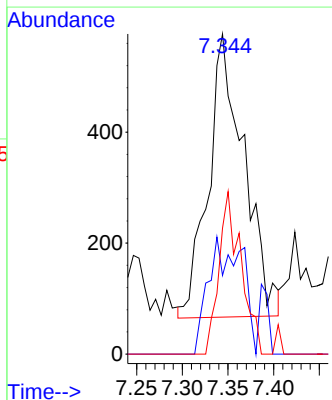
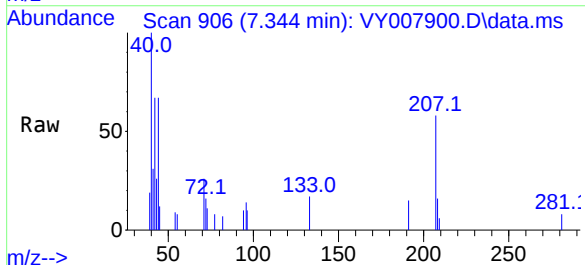
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4PH-3-7.5-8

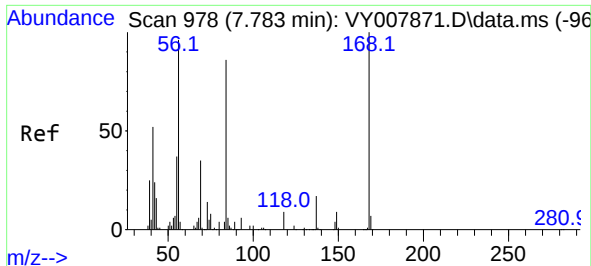
Tgt Ion: 43 Resp: 370  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#29  
Tetrahydrofuran  
Concen: 1.454 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Tgt Ion: 42 Resp: 1389  
Ion Ratio Lower Upper  
42 100  
72 17.9 30.3 45.5#  
71 35.3 29.0 43.4

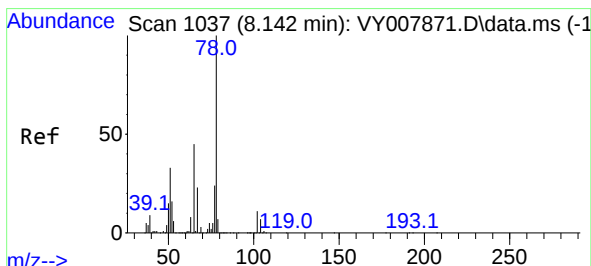
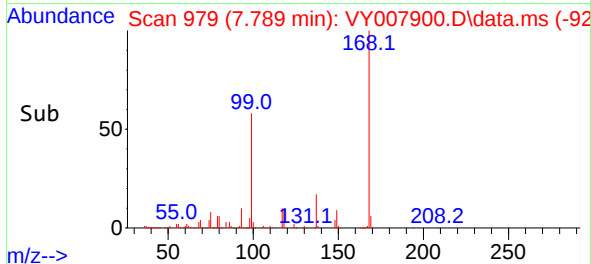
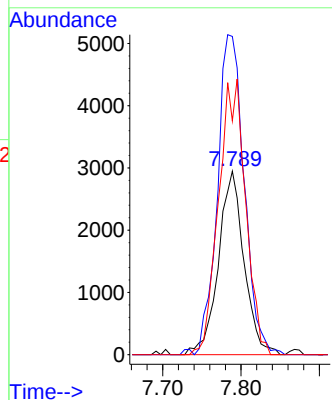
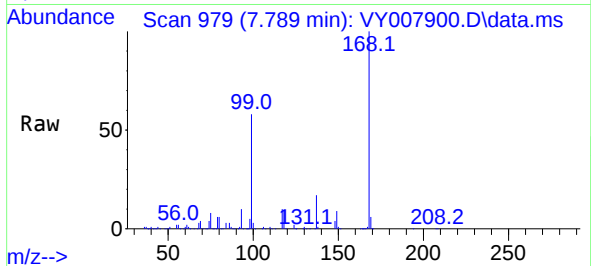




#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

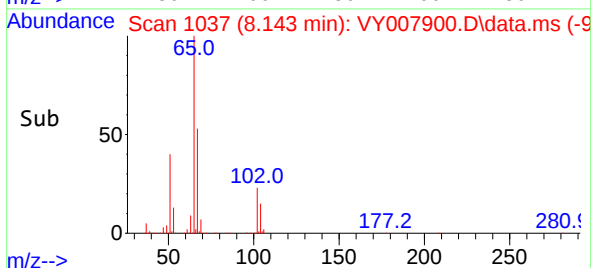
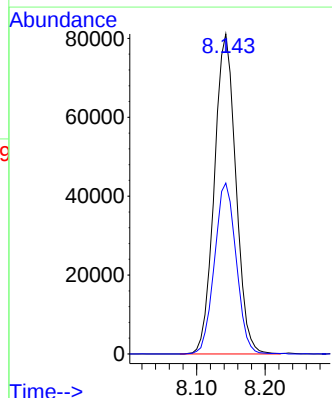
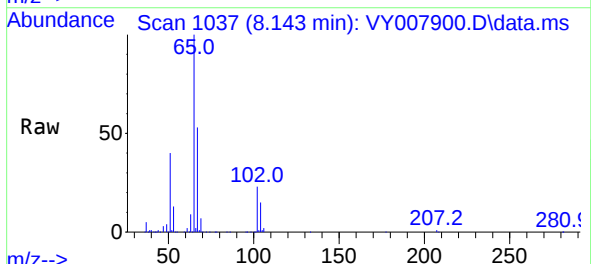
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4PH-3-7.5-8

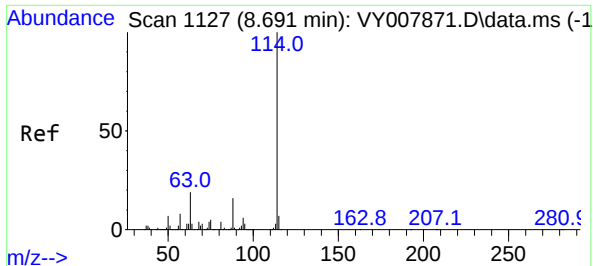
Tgt Ion: 56 Resp: 6714  
Ion Ratio Lower Upper  
56 100  
69 173.3 26.7 40.1#  
84 127.4 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 50.349 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Tgt Ion: 65 Resp: 176660  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007900.D

Acq: 18 Mar 2022 14:23

Instrument :

MSVOA\_Y

ClientSampleId :

4PH-3-7.5-8

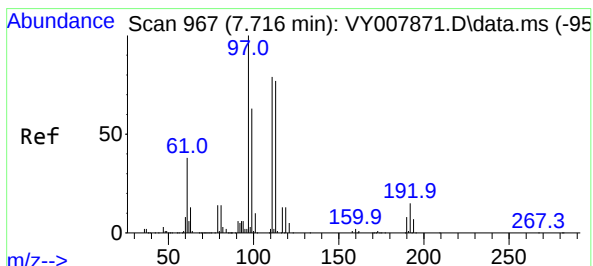
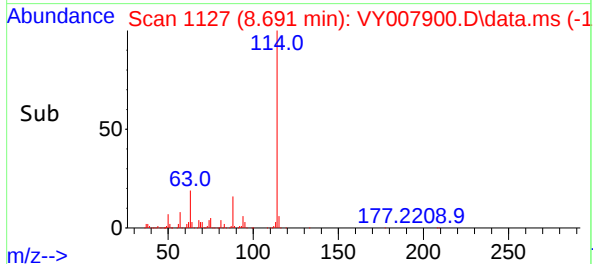
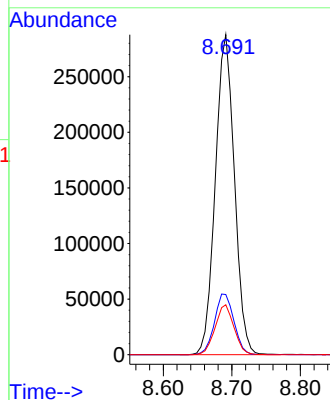
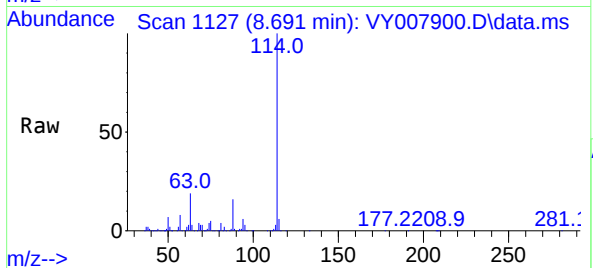
Tgt Ion:114 Resp: 555009

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.545 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007900.D

Acq: 18 Mar 2022 14:23

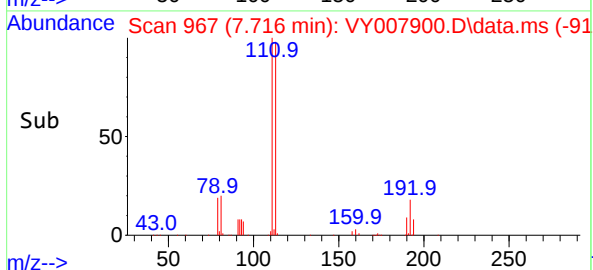
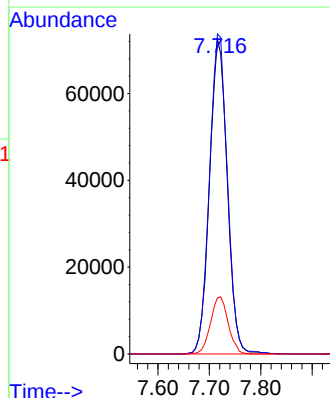
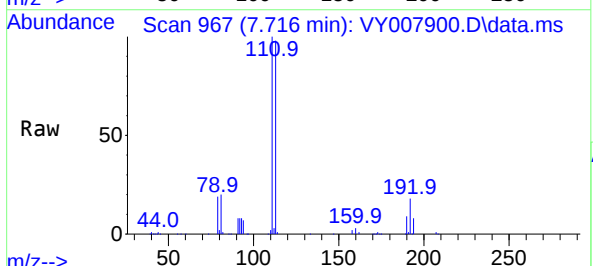
Tgt Ion:113 Resp: 173626

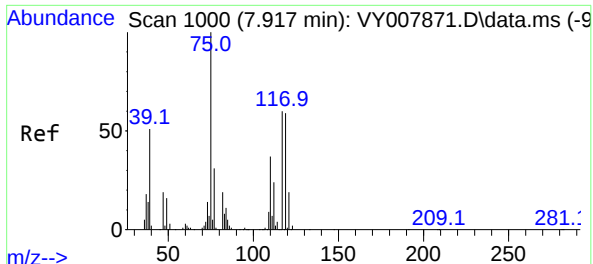
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 18.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.352 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007900.D

Acq: 18 Mar 2022 14:23

Instrument :

MSVOA\_Y

ClientSampleId :

4PH-3-7.5-8

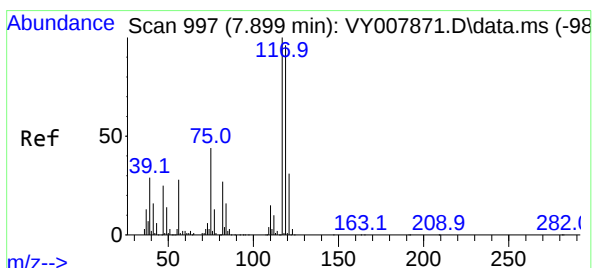
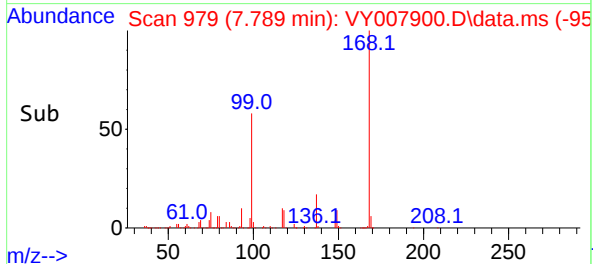
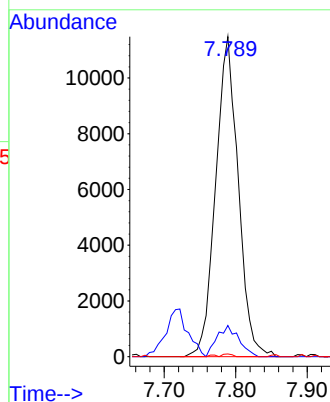
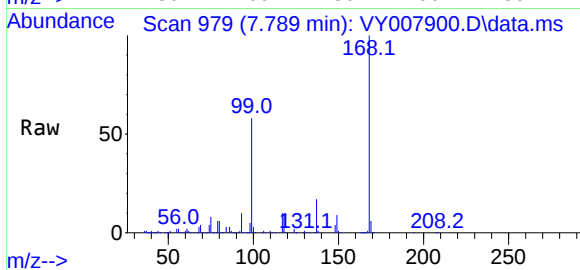
Tgt Ion: 75 Resp: 25162

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

77 0.4 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.297 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007900.D

Acq: 18 Mar 2022 14:23

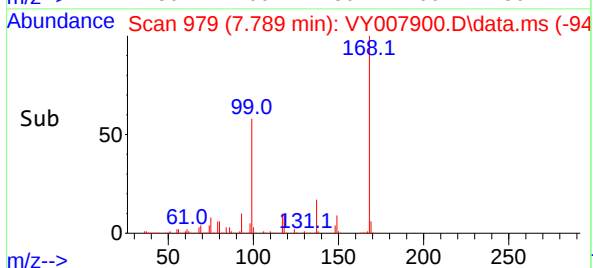
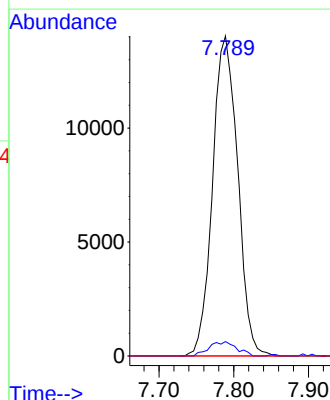
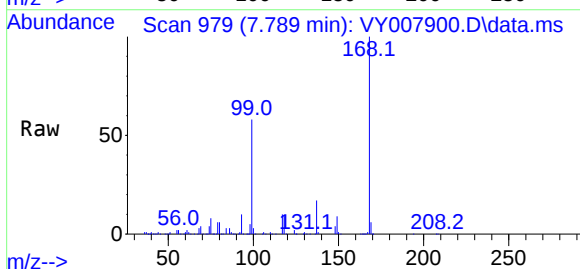
Tgt Ion: 117 Resp: 32720

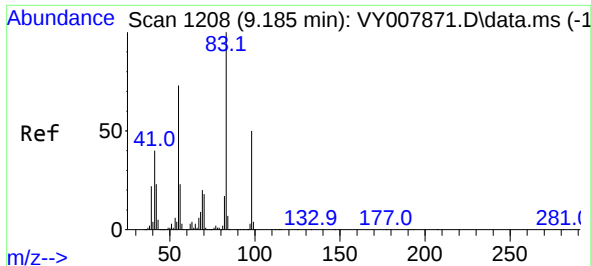
Ion Ratio Lower Upper

117 100

119 4.5 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.209 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY007900.D

Acq: 18 Mar 2022 14:23

Instrument :

MSVOA\_Y

ClientSampleId :

4PH-3-7.5-8

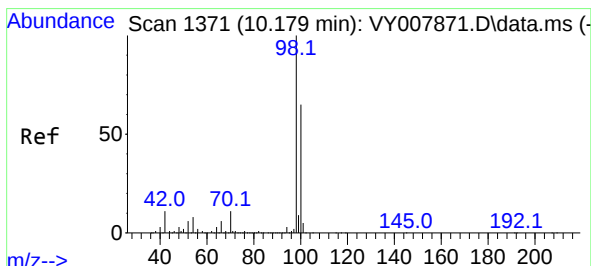
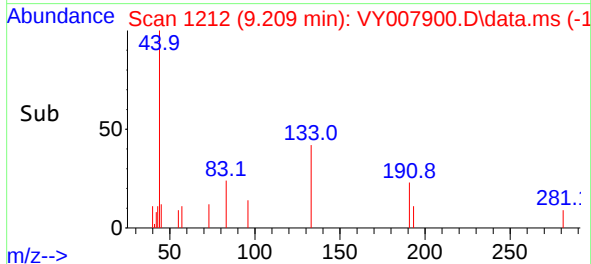
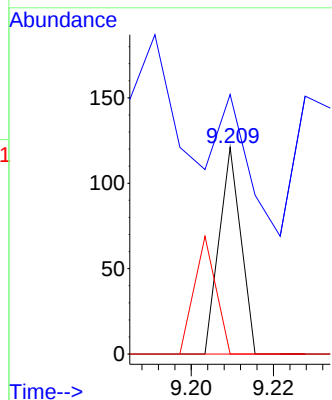
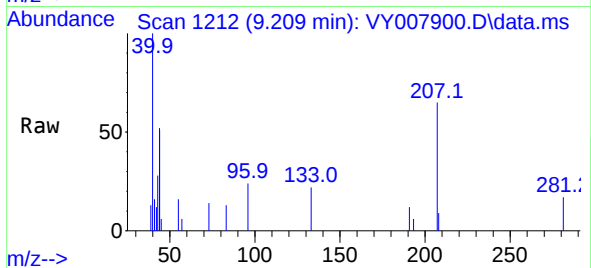
Tgt Ion: 83 Resp: 44

Ion Ratio Lower Upper

83 100

55 68.6 66.5 99.7

98 0.0 37.9 56.9#



#50

Toluene-d8

Concen: 56.559 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007900.D

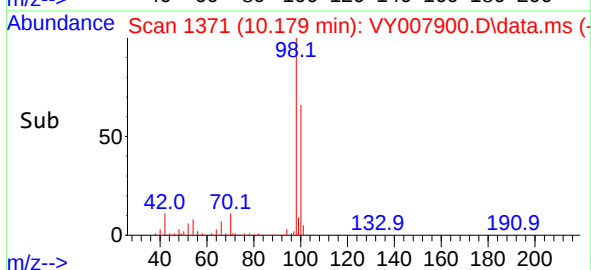
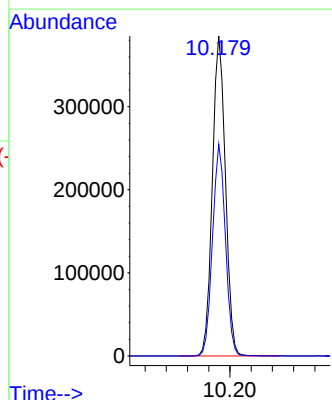
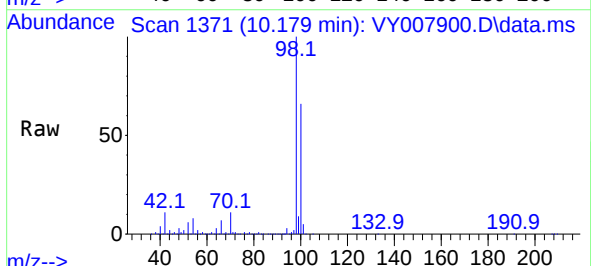
Acq: 18 Mar 2022 14:23

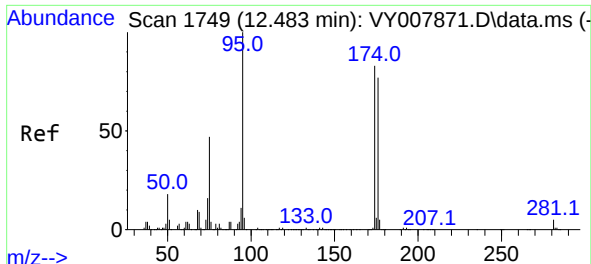
Tgt Ion: 98 Resp: 656524

Ion Ratio Lower Upper

98 100

100 65.5 50.2 75.2

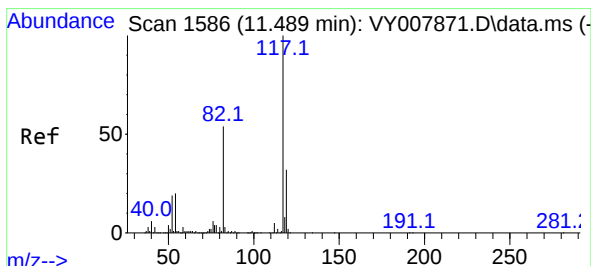
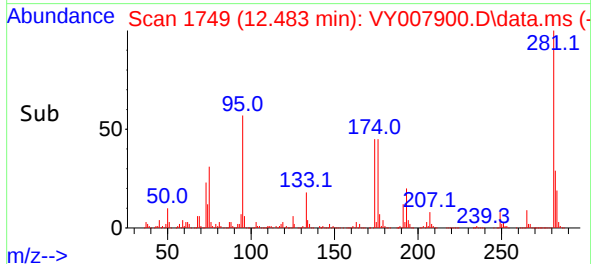
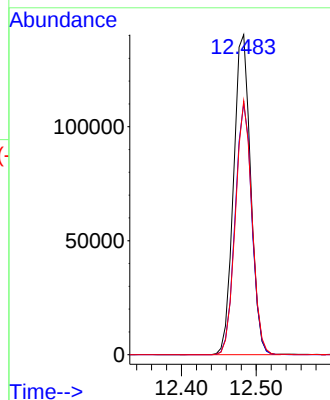
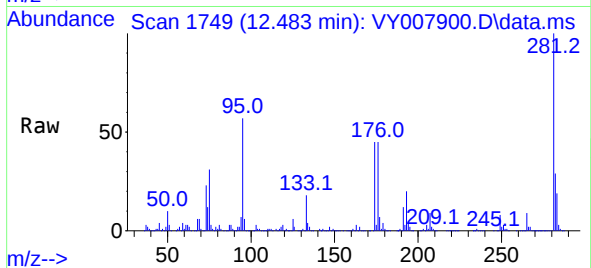




#62  
4-Bromofluorobenzene  
Concen: 39.901 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

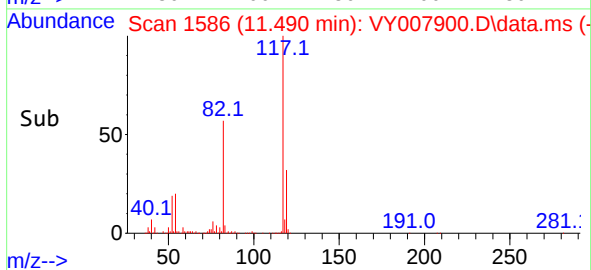
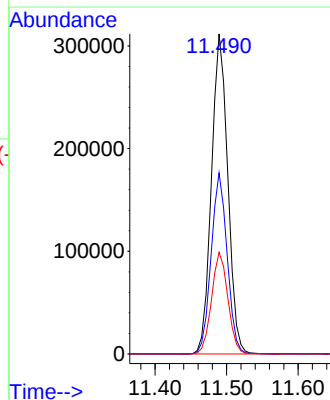
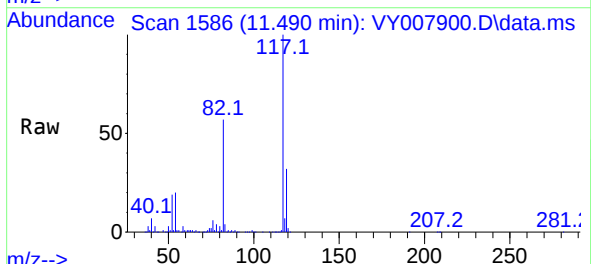
Instrument :  
MSVOA\_Y  
ClientSampleId :  
4PH-3-7.5-8

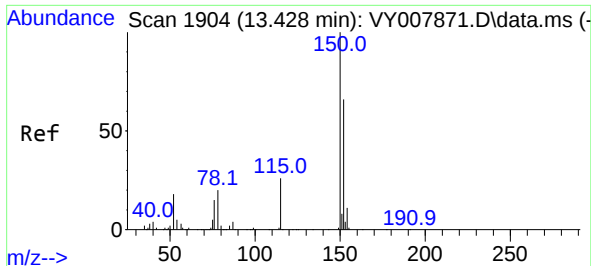
Tgt Ion: 95 Resp: 223211  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 177.0  
176 76.9 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Tgt Ion: 117 Resp: 493211  
Ion Ratio Lower Upper  
117 100  
82 56.6 43.0 64.4  
119 31.8 25.4 38.0

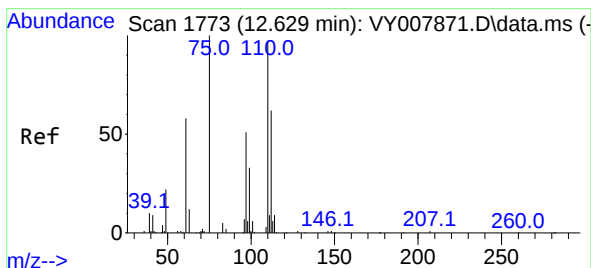
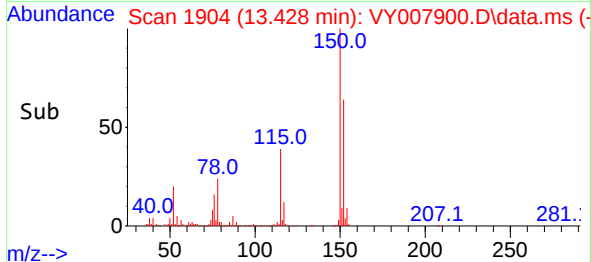
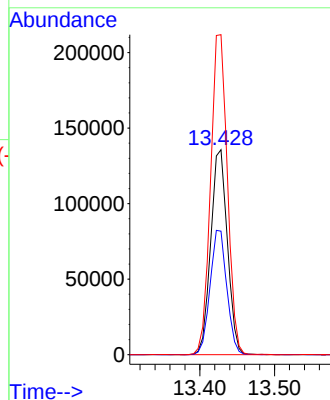
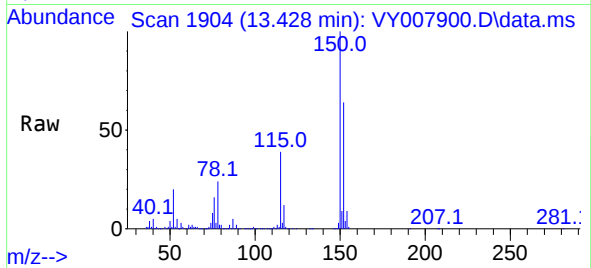




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

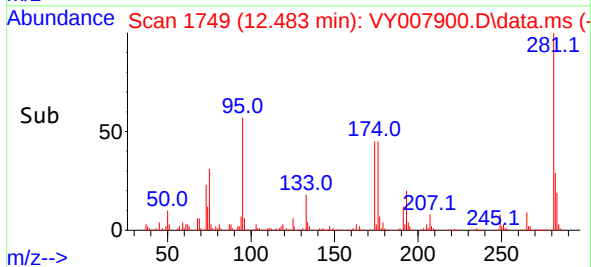
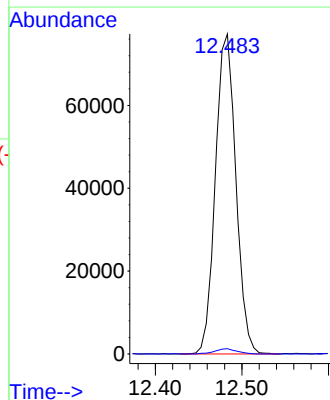
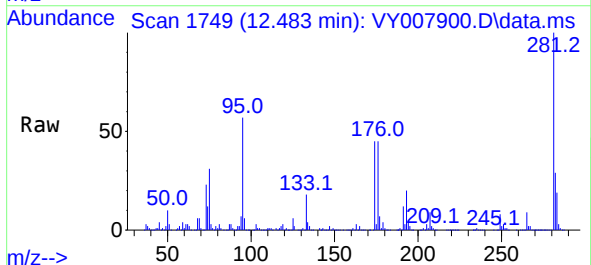
Instrument : MSVOA\_Y  
ClientSampleId : 4PH-3-7.5-8

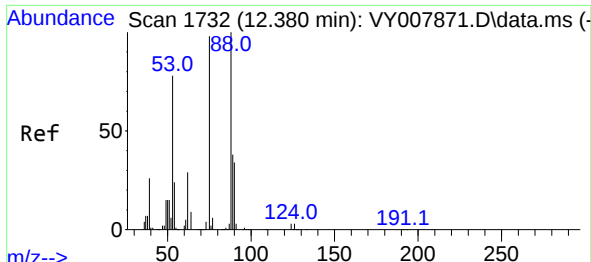
Tgt Ion:152 Resp: 210103  
Ion Ratio Lower Upper  
152 100  
115 61.0 28.2 84.7  
150 157.3 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 42.298 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

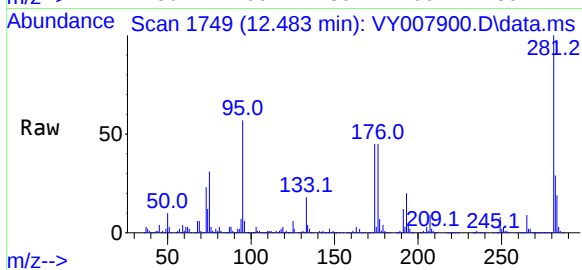
Tgt Ion: 75 Resp: 126670  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.844 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY007900.D  
Acq: 18 Mar 2022 14:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
4PH-3-7.5-8



Tgt Ion: 75 Resp: 126670  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 3.3 37.0 55.4#

