

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121923\  
 Data File : VY016704.D  
 Acq On : 19 Dec 2023 19:40  
 Operator : SY/MD  
 Sample : 05796-02  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 20 06:38:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 20 05:26:40 2023  
 Response via : Initial Calibration

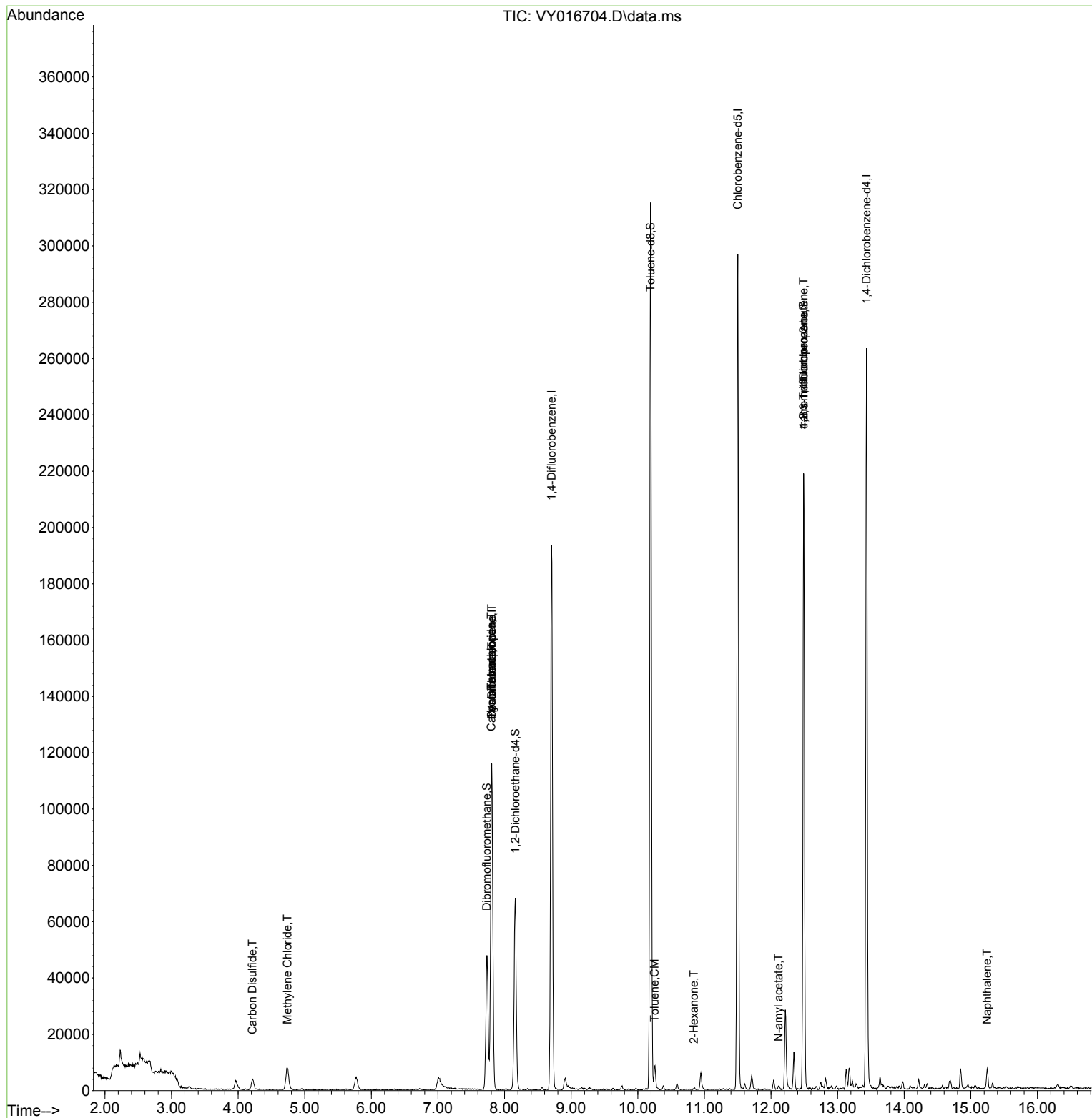
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 93782    | 50.000    | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.704  | 114   | 168654   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.502 | 117   | 160851   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 67523    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.161  | 65    | 52113    | 67.181    | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 134.360% |          |
| 35) Dibromofluoromethane      | 7.734  | 113   | 32842    | 33.063    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 66.120%  |          |
| 50) Toluene-d8                | 10.191 | 98    | 204743   | 56.915    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 113.820% |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 58222    | 56.922    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 113.840% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.912  | 85    | 93       | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.125  | 50    | 248      | Below Cal | #          | 41       |
| 11) Tert butyl alcohol        | 4.972  | 59    | 191      | Below Cal | #          | 73       |
| 16) Acetone                   | 3.973  | 43    | 5787     | Below Cal |            | 95       |
| 17) Carbon Disulfide          | 4.216  | 76    | 6734     | 3.221     | ug/l #     | 94       |
| 20) Methylene Chloride        | 4.741  | 84    | 6079     | 2.274     | ug/l #     | 96       |
| 25) 2-Butanone                | 7.003  | 43    | 543      | Below Cal | #          | 82       |
| 31) Cyclohexane               | 7.807  | 56    | 2139     | 1.685     | ug/l #     | 40       |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 7467     | 4.970     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 8354     | 5.153     | ug/l #     | 17       |
| 52) Toluene                   | 10.252 | 92    | 3468     | 1.313     | ug/l       | 93       |
| 59) 2-Hexanone                | 10.843 | 43    | 466      | 1.127     | ug/l       | 67       |
| 74) N-amyl acetate            | 12.111 | 43    | 928      | 1.098     | ug/l #     | 37       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 33627    | 57.291    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 33627    | 131.448   | ug/l #     | 18       |
| 95) Naphthalene               | 15.245 | 128   | 5785     | 3.304     | ug/l #     | 96       |
| -----                         |        |       |          |           |            |          |

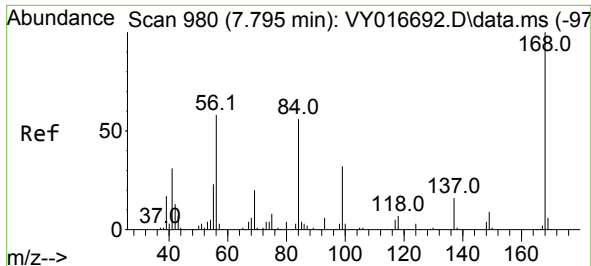
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121923\  
Data File : VY016704.D  
Acq On : 19 Dec 2023 19:40  
Operator : SY/MD  
Sample : 05796-02  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

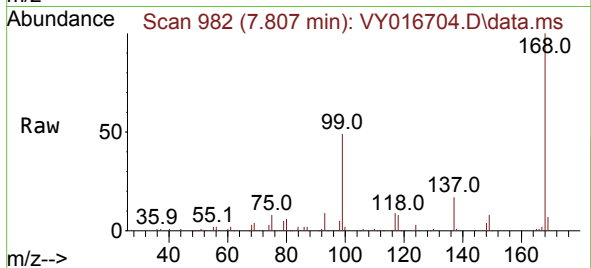
Quant Time: Dec 20 06:38:38 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121923S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 20 05:26:40 2023  
Response via : Initial Calibration



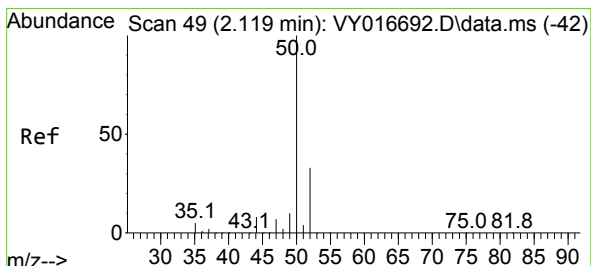
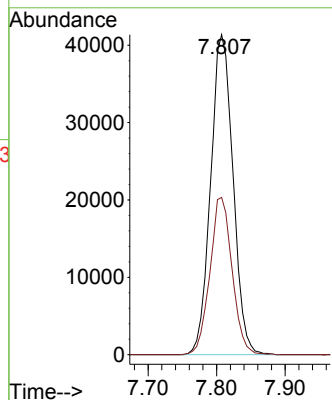
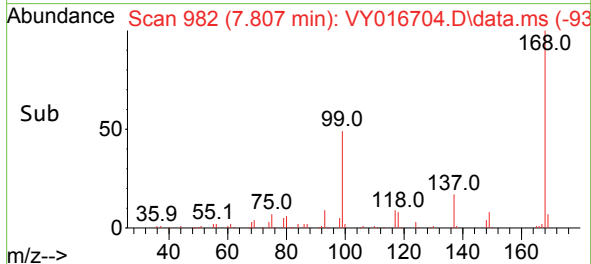


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

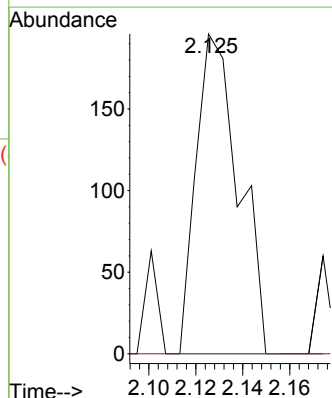
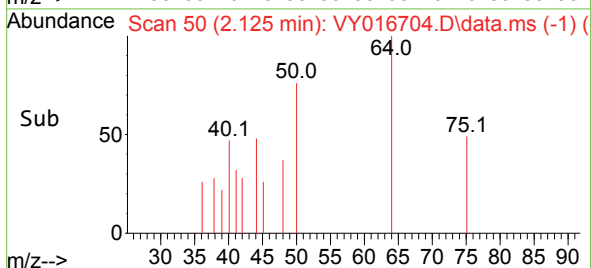
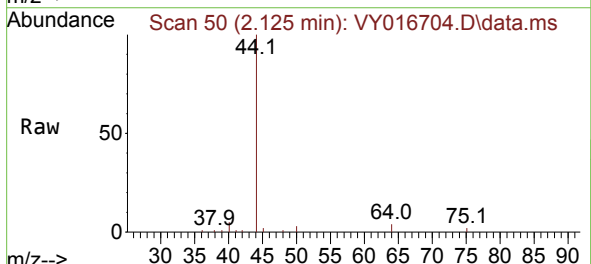


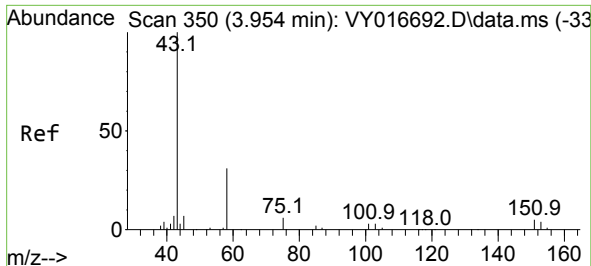
Tgt Ion:168 Resp: 93782  
Ion Ratio Lower Upper  
168 100  
99 49.1 40.2 60.4



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.125 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Tgt Ion: 50 Resp: 248  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.6 40.0#

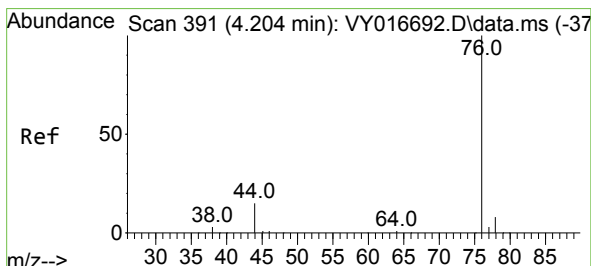
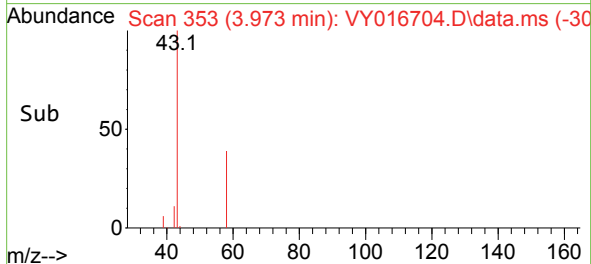
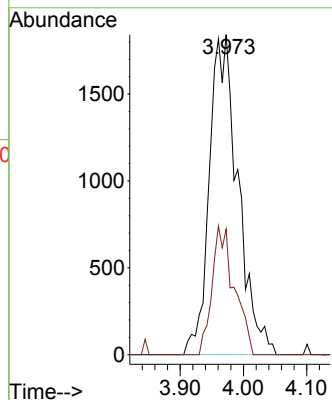
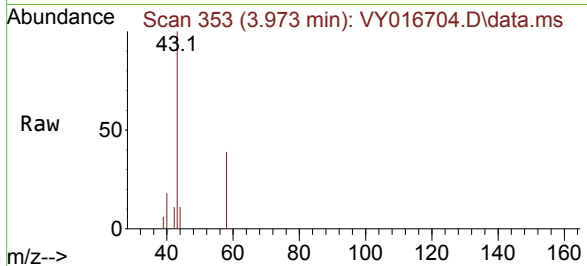




#16  
Acetone  
Concen: Below Cal  
RT: 3.973 min Scan# 31  
Delta R.T. 0.019 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

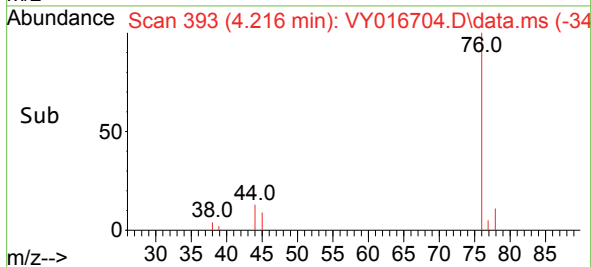
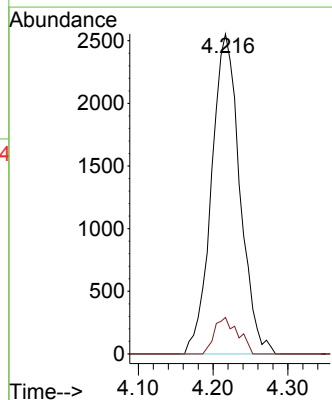
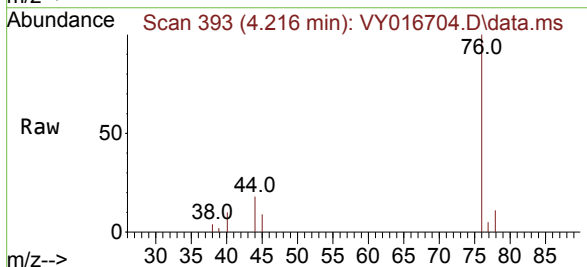
Instrument :  
MSVOA\_Y  
ClientSampleId :

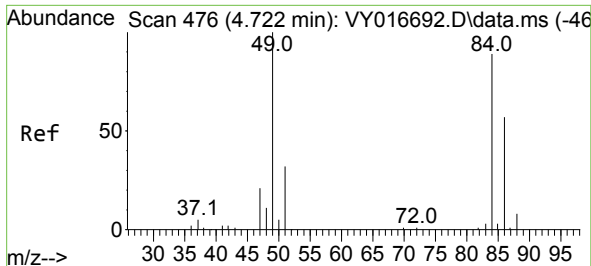
Tgt Ion: 43 Resp: 5787  
Ion Ratio Lower Upper  
43 100  
58 39.2 29.0 43.4



#17  
Carbon Disulfide  
Concen: 3.221 ug/l  
RT: 4.216 min Scan# 393  
Delta R.T. 0.012 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

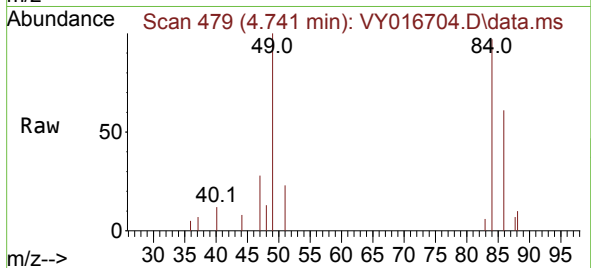
Tgt Ion: 76 Resp: 6734  
Ion Ratio Lower Upper  
76 100  
78 11.4 7.3 10.9#



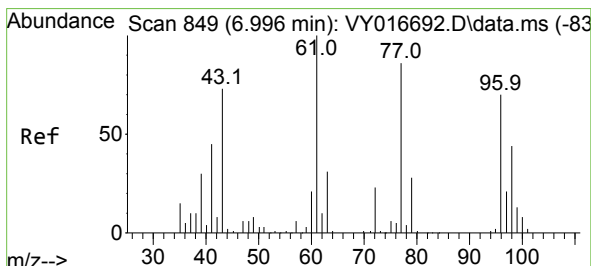
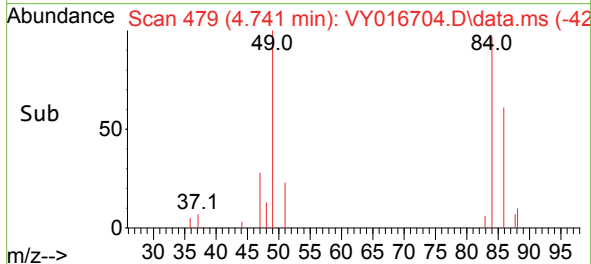
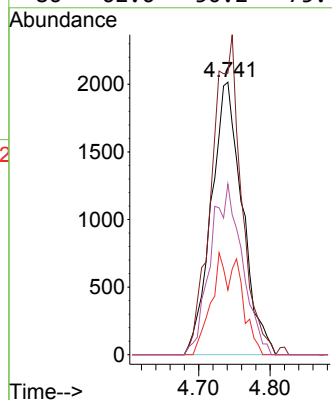


#20  
Methylene Chloride  
Concen: 2.274 ug/l  
RT: 4.741 min Scan# 41  
Delta R.T. 0.019 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

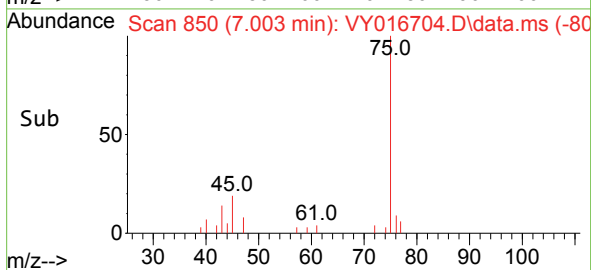
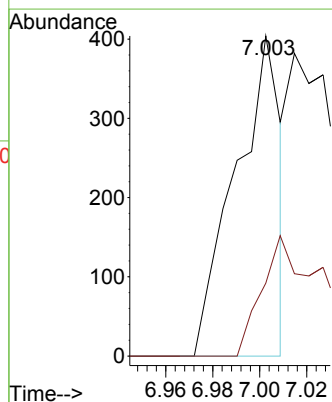
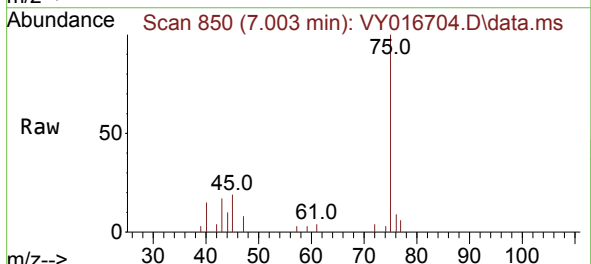


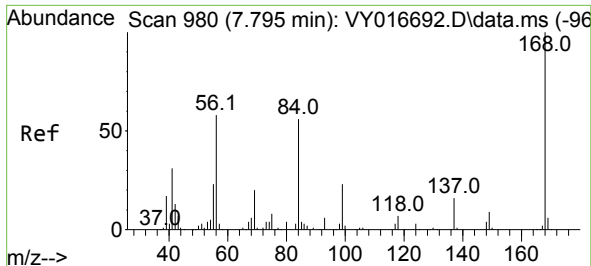
Tgt Ion: 84 Resp: 6079  
Ion Ratio Lower Upper  
84 100  
49 103.3 83.8 125.8  
51 23.7 27.2 40.8#  
86 62.6 50.2 75.4



#25  
2-Butanone  
Concen: Below Cal  
RT: 7.003 min Scan# 850  
Delta R.T. 0.007 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

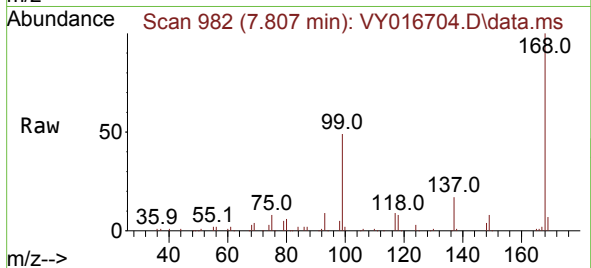
Tgt Ion: 43 Resp: 543  
Ion Ratio Lower Upper  
43 100  
72 22.8 26.3 39.5#



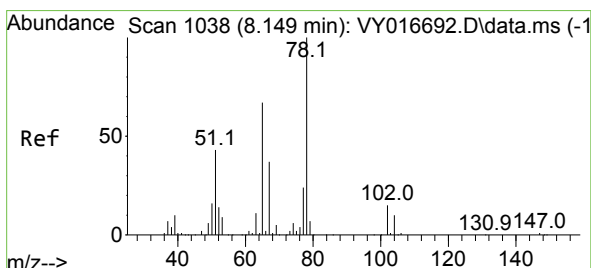
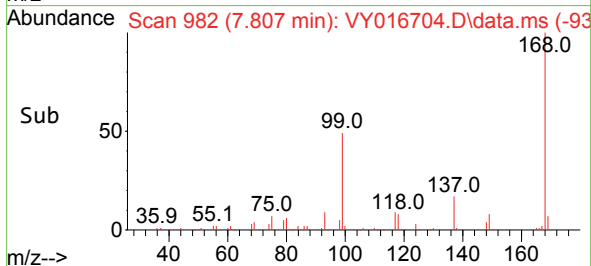
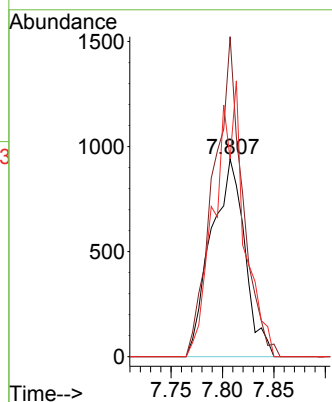


#31  
Cyclohexane  
Concen: 1.685 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

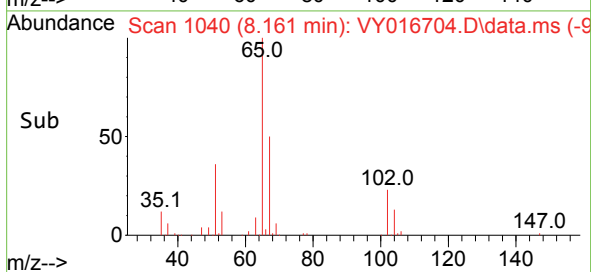
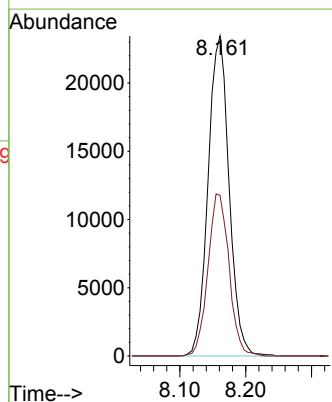
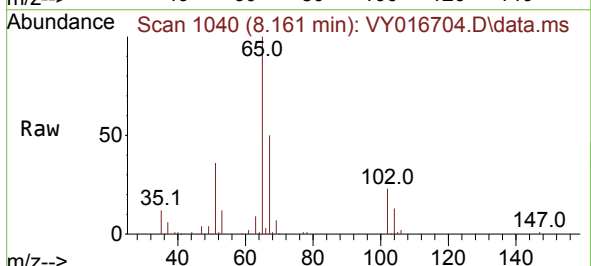


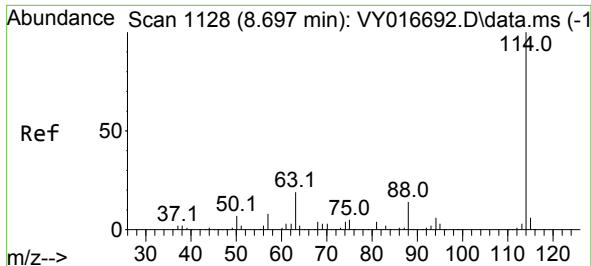
Tgt Ion: 56 Resp: 2139  
Ion Ratio Lower Upper  
56 100  
69 162.0 27.5 41.3#  
84 100.1 78.1 117.1



#33  
1,2-Dichloroethane-d4  
Concen: 67.181 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.012 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Tgt Ion: 65 Resp: 52113  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 108.6

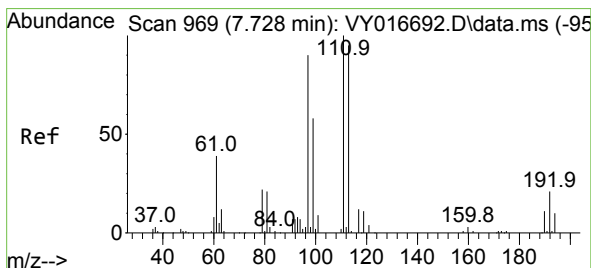
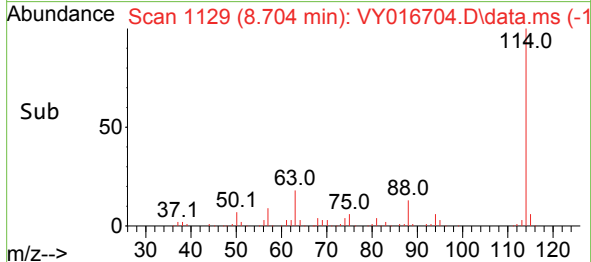
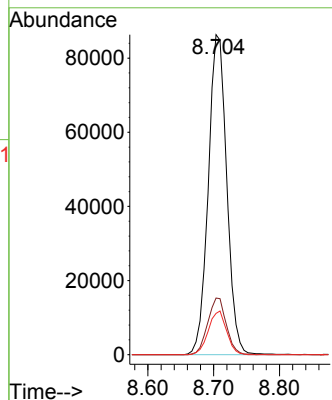
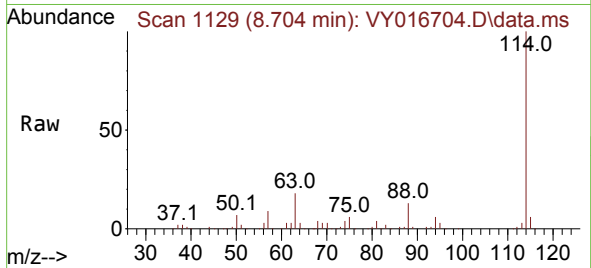




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.704 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

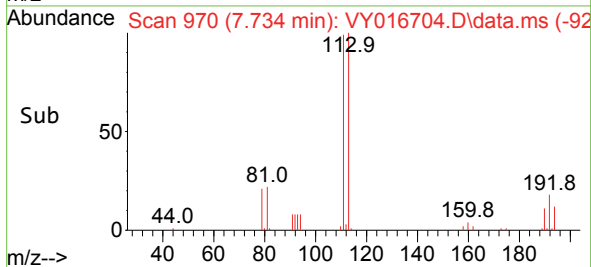
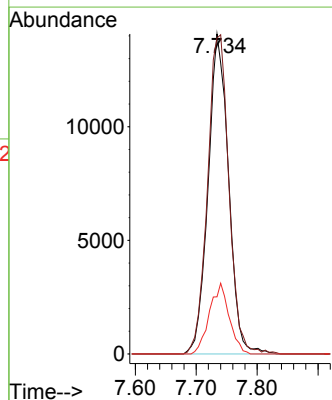
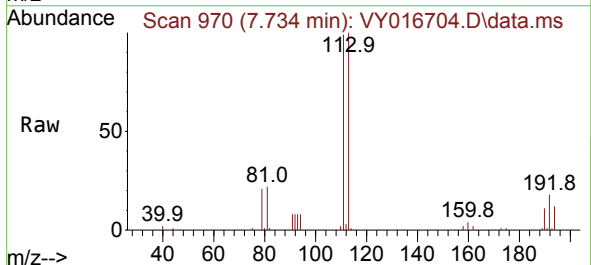
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MSVOA\_Y  
ClientSampleId :

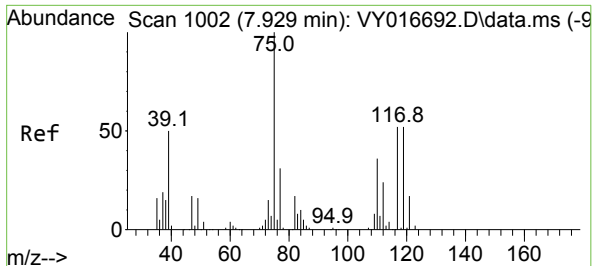
Tgt Ion:114 Resp: 168654  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 34.0  
88 12.9 0.0 29.2



#35  
Dibromofluoromethane  
Concen: 33.063 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

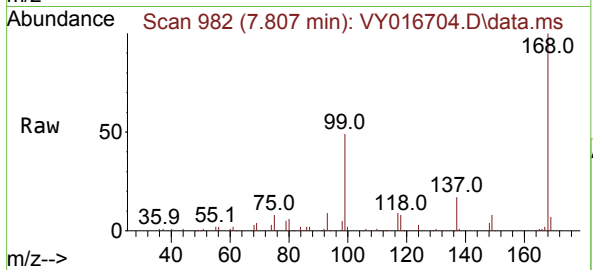
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Ion Ratio Lower Upper  
113 100  
111 104.3 81.9 122.9  
192 21.3 16.2 24.4



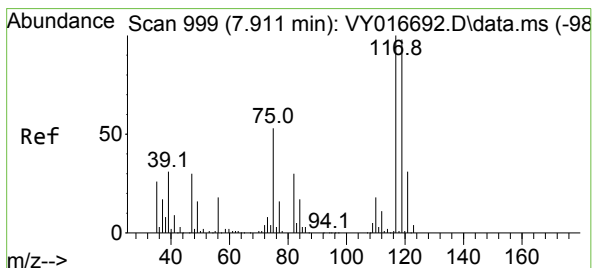
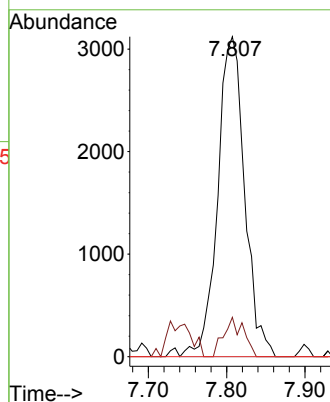
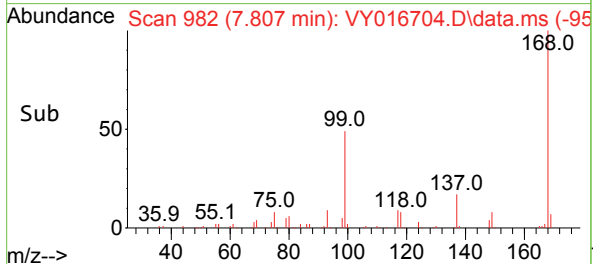


#36  
 1,1-Dichloropropene  
 Concen: 4.970 ug/l  
 RT: 7.807 min Scan# 91  
 Delta R.T. -0.122 min  
 Lab File: VY016704.D  
 Acq: 19 Dec 2023 19:40

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

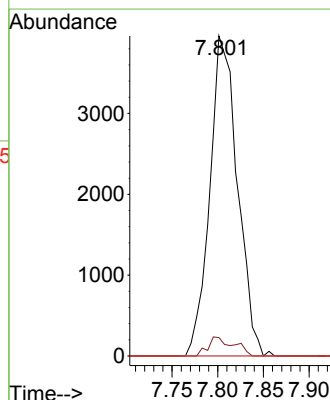
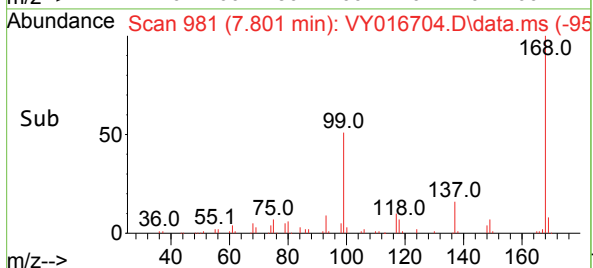
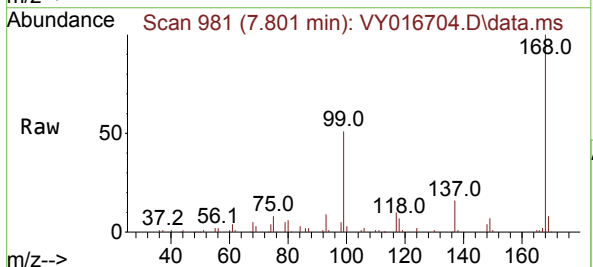


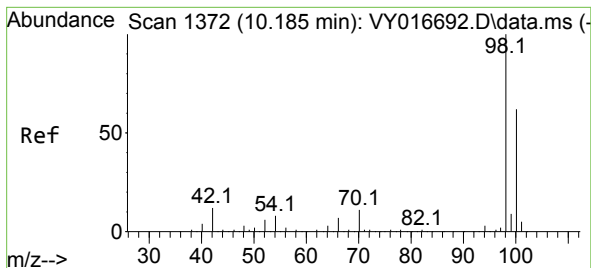
Tgt Ion: 75 Resp: 7467  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 18.9 56.9#  
 77 0.0 25.3 37.9#



#38  
 Carbon Tetrachloride  
 Concen: 5.153 ug/l  
 RT: 7.801 min Scan# 981  
 Delta R.T. -0.110 min  
 Lab File: VY016704.D  
 Acq: 19 Dec 2023 19:40

Tgt Ion: 117 Resp: 8354  
 Ion Ratio Lower Upper  
 117 100  
 119 5.8 75.0 112.4#  
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 56.915 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016704.D

Acq: 19 Dec 2023 19:40

Instrument :

MSVOA\_Y

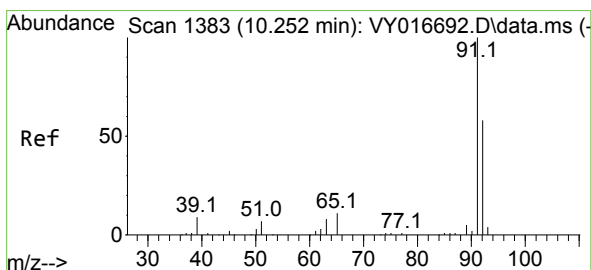
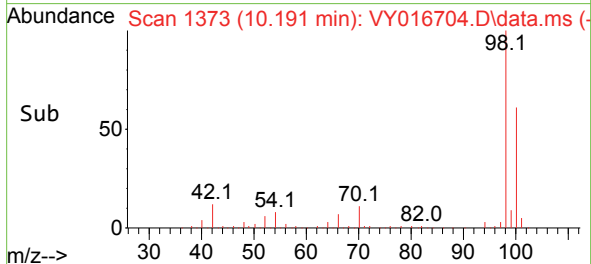
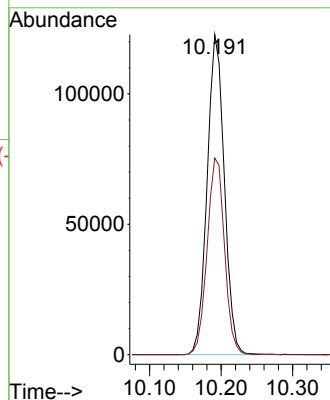
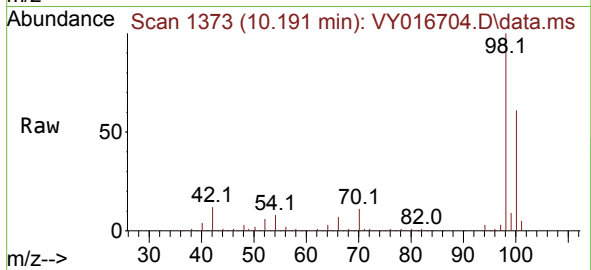
ClientSampleId :

Tgt Ion: 98 Resp: 204743

Ion Ratio Lower Upper

98 100

100 62.2 52.5 78.7



#52

Toluene

Concen: 1.313 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY016704.D

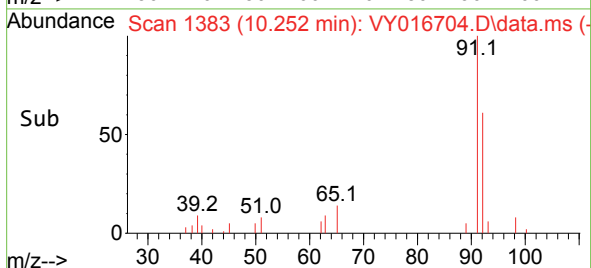
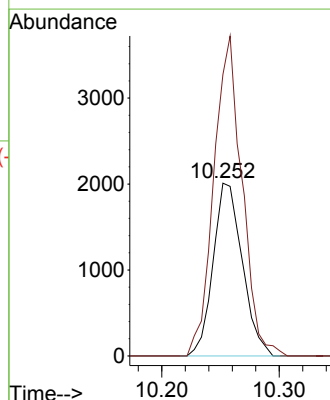
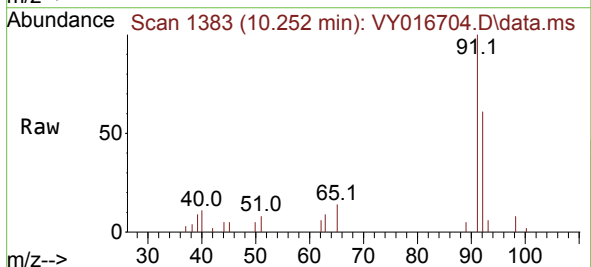
Acq: 19 Dec 2023 19:40

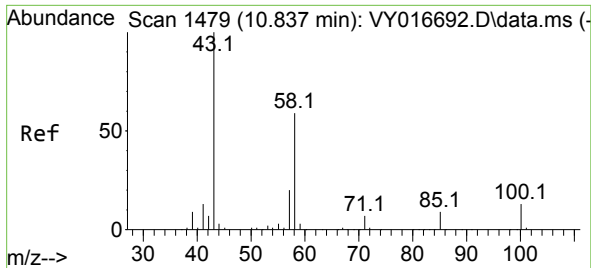
Tgt Ion: 92 Resp: 3468

Ion Ratio Lower Upper

92 100

91 179.4 136.3 204.5

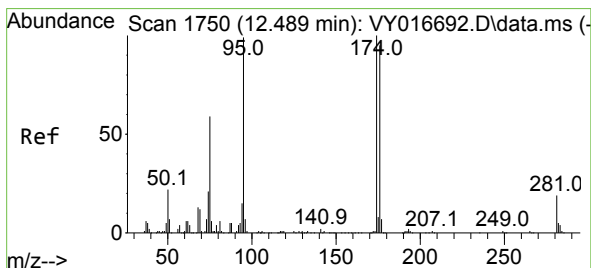
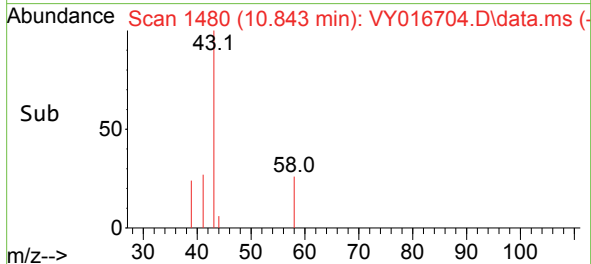
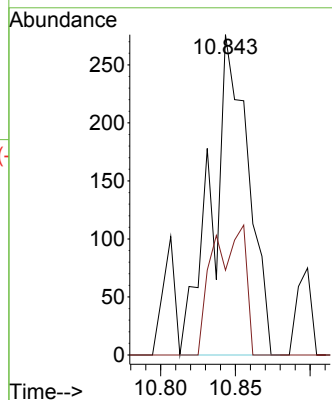
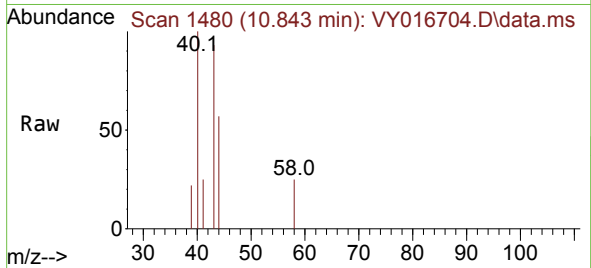




#59  
2-Hexanone  
Concen: 1.127 ug/l  
RT: 10.843 min Scan# 1479  
Delta R.T. 0.006 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

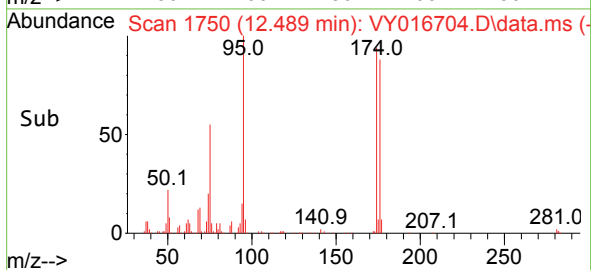
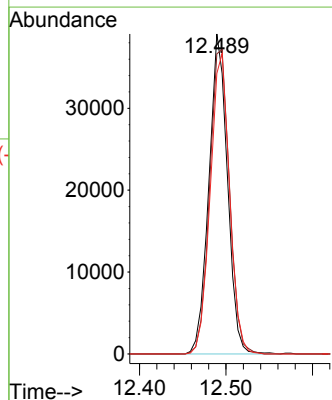
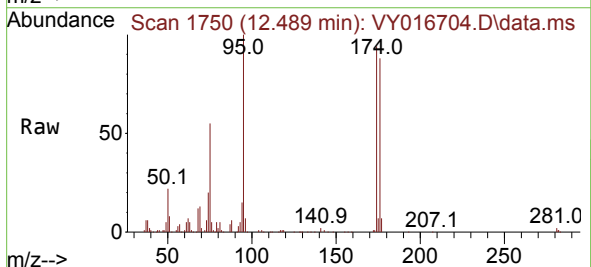
Instrument :  
MSVOA\_Y  
ClientSampleId :

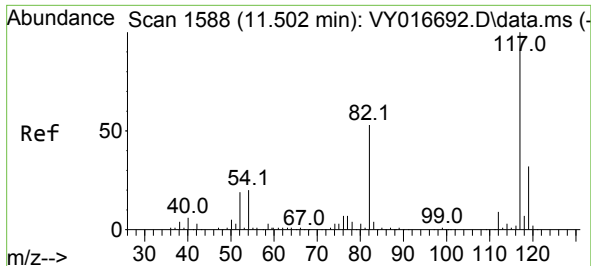
Tgt Ion: 43 Resp: 466  
Ion Ratio Lower Upper  
43 100  
58 36.1 30.8 92.4



#62  
4-Bromofluorobenzene  
Concen: 56.922 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Tgt Ion: 95 Resp: 58222  
Ion Ratio Lower Upper  
95 100  
174 101.7 0.0 181.0  
176 97.2 0.0 176.6

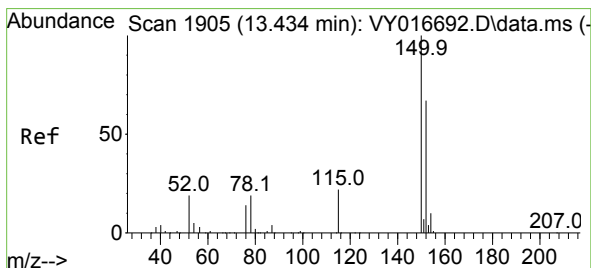
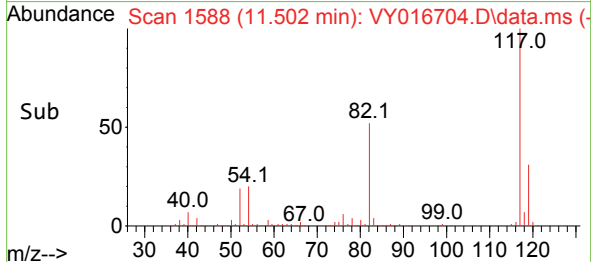
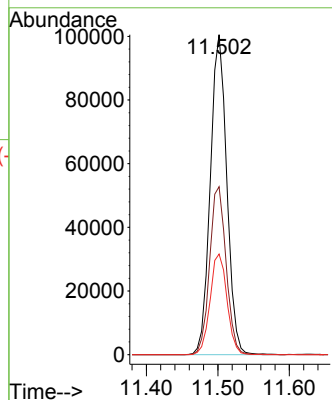
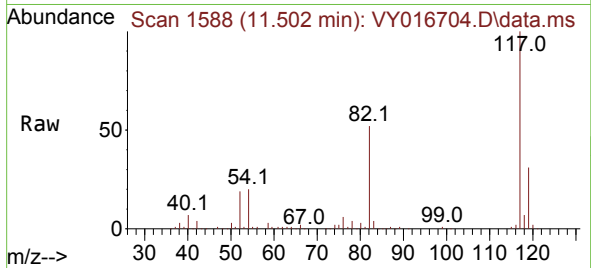




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

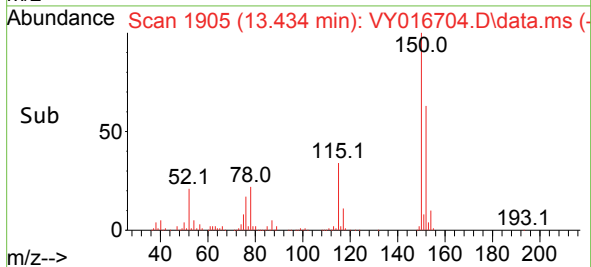
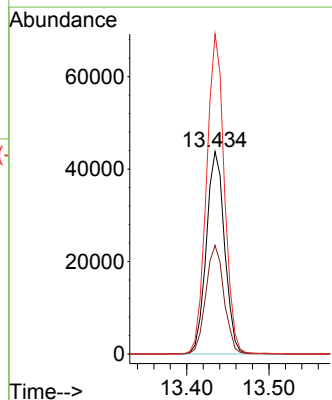
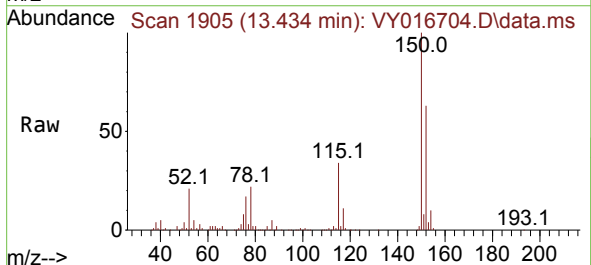
Instrument :  
MSVOA\_Y  
ClientSampleId :

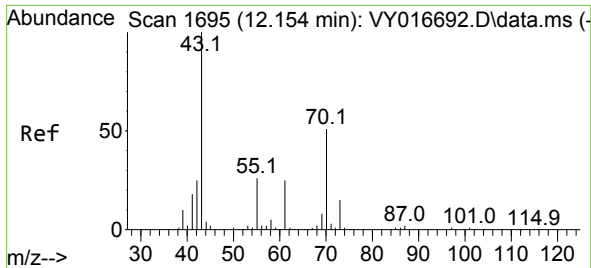
Tgt Ion:117 Resp: 160851  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.0 61.6  
119 31.5 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Tgt Ion:152 Resp: 67523  
Ion Ratio Lower Upper  
152 100  
115 53.5 28.2 84.7  
150 154.3 0.0 350.6

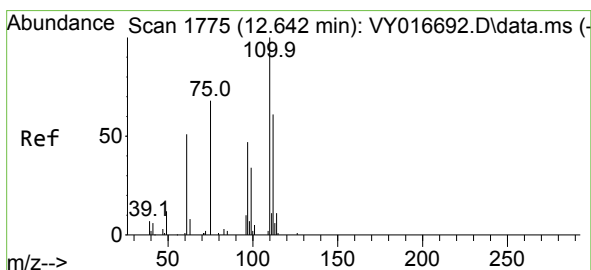
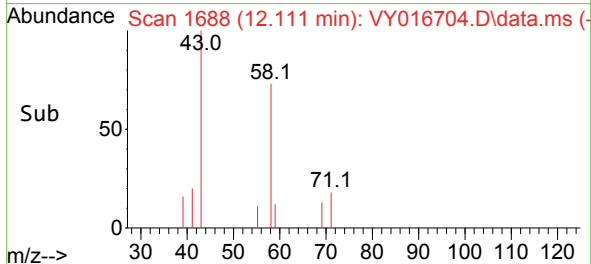
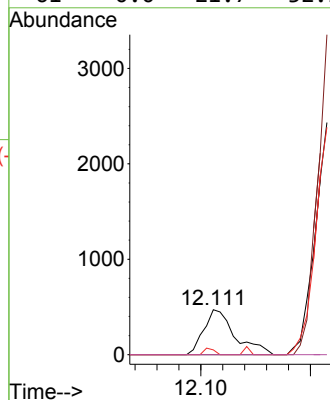
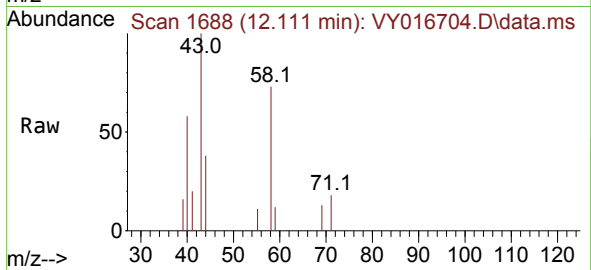




#74  
N-amy1 acetate  
Concen: 1.098 ug/l  
RT: 12.111 min Scan# 1688  
Delta R.T. -0.043 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

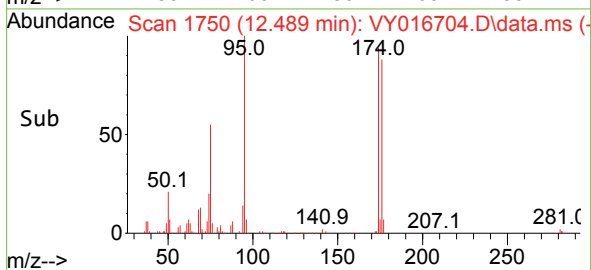
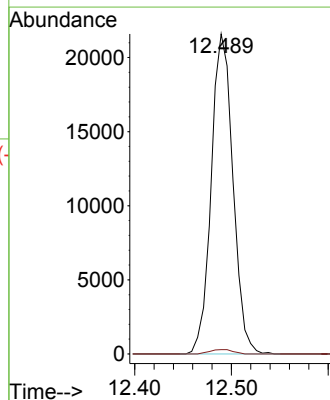
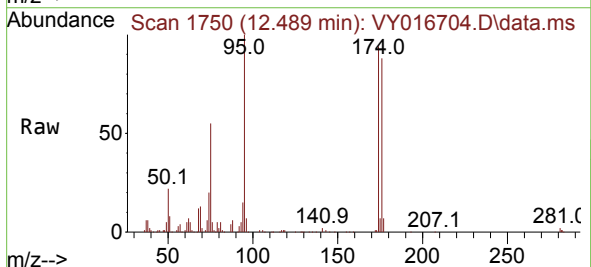
Instrument :  
MSVOA\_Y  
ClientSampleId :

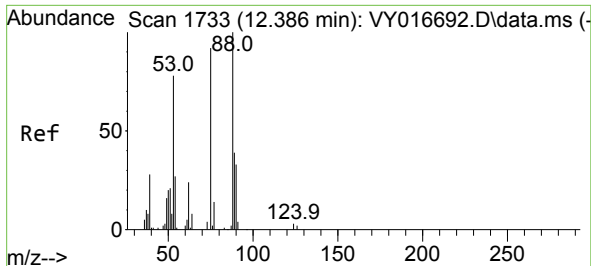
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 928   |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 0.0      | 41.2 61.8#  |
| 55 0.0      | 22.2 33.2#  |
| 61 0.0      | 21.7 32.5#  |



#76  
1,2,3-Trichloropropane  
Concen: 57.291 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.152 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

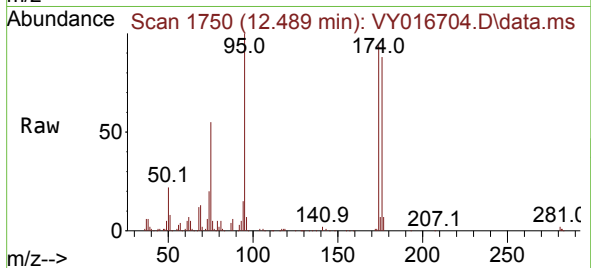
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 75 | Resp: | 33627 |       |
| Ion         | Ratio | Lower | Upper |
| 75          | 100   |       |       |
| 77          | 1.5   | 0.0   | 0.0#  |



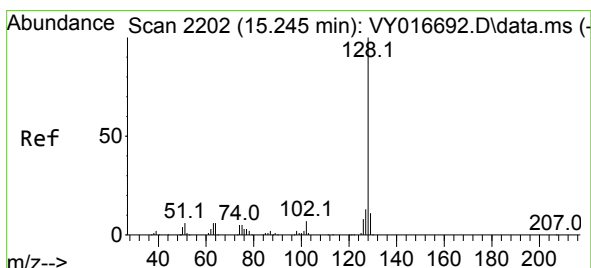
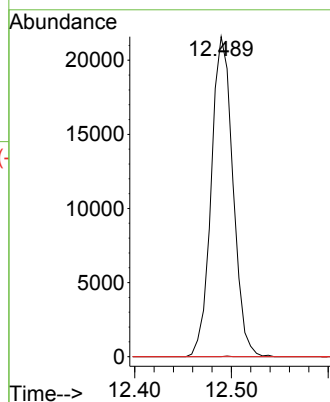
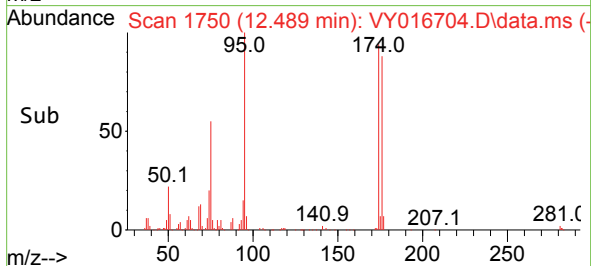


#81  
trans-1,4-Dichloro-2-butene  
Concen: 131.448 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 33627  
Ion Ratio Lower Upper  
75 100  
53 0.0 62.9 94.3#  
89 0.0 35.8 53.8#



#95  
Naphthalene  
Concen: 3.304 ug/l  
RT: 15.245 min Scan# 2202  
Delta R.T. 0.000 min  
Lab File: VY016704.D  
Acq: 19 Dec 2023 19:40

Tgt Ion: 128 Resp: 5785  
Ion Ratio Lower Upper  
128 100  
127 15.4 10.1 15.1#  
129 10.8 8.8 13.2

