

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032724\  
 Data File : VY017784.D  
 Acq On : 27 Mar 2024 16:22  
 Operator : SY/MD  
 Sample : P1894-04  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB40858RT

Quant Time: Mar 28 02:18:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 04:03:52 2024  
 Response via : Initial Calibration

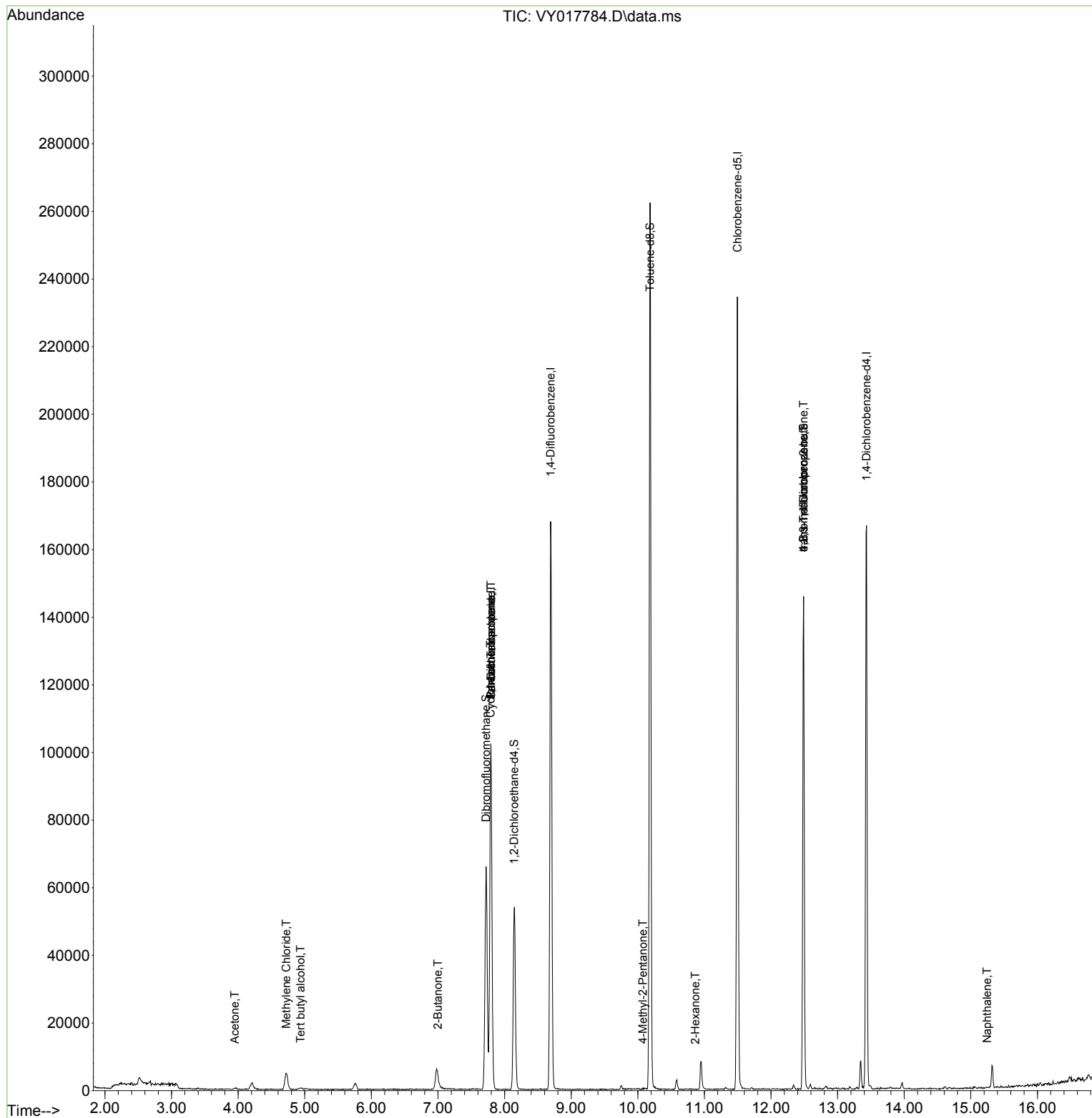
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 78584               | 50.000  | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 142405              | 50.000  | ug/l   | -0.02    |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 124669              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434         | 152  | 43398               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 42057               | 61.432  | ug/l   | -0.02    |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 122.860% |         |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 47027               | 55.246  | ug/l   | -0.02    |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 110.500% |         |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 170193              | 52.240  | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 104.480% |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 42545               | 43.490  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 86.980%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.936          | 59   | 357                 | 7.840   | ug/l # | 88       |
| 16) Acetone                   | 3.948          | 43   | 899                 | 7.508   | ug/l # | 36       |
| 20) Methylene Chloride        | 4.722          | 84   | 3849                | 4.420   | ug/l # | 90       |
| 25) 2-Butanone                | 6.996          | 43   | 338                 | 9.579   | ug/l # | 41       |
| 31) Cyclohexane               | 7.789          | 56   | 1944                | 1.436   | ug/l # | 40       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 6684                | 5.083   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 8012                | 5.818   | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.075         | 43   | 342                 | 6.262   | ug/l # | 31       |
| 59) 2-Hexanone                | 10.861         | 43   | 19                  | 9.532   | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 12.489         | 75   | 22796               | 56.883  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489         | 75   | 22796               | 131.439 | ug/l # | 16       |
| 95) Naphthalene               | 15.245         | 128  | 222                 | 2.796   | ug/l # | 69       |
| -----                         |                |      |                     |         |        |          |

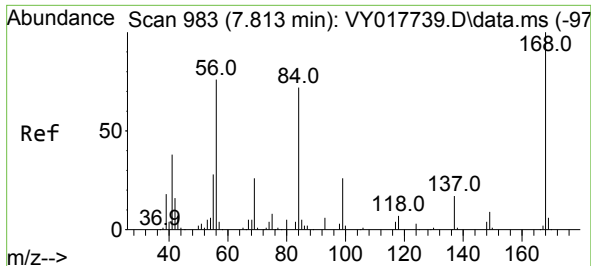
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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QLast Update : Sat Mar 23 04:03:52 2024  
Response via : Initial Calibration

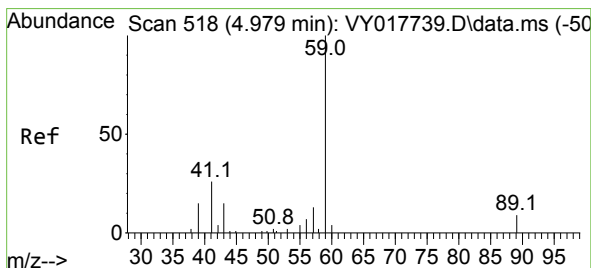
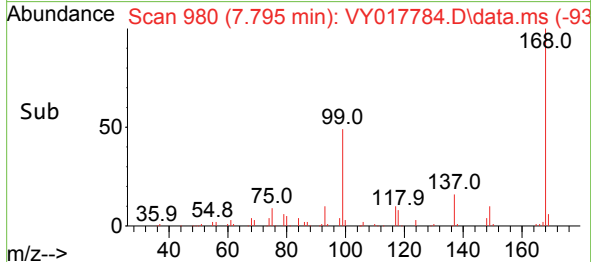
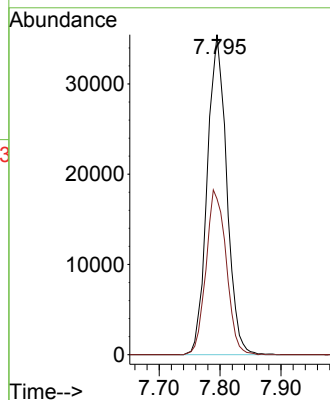
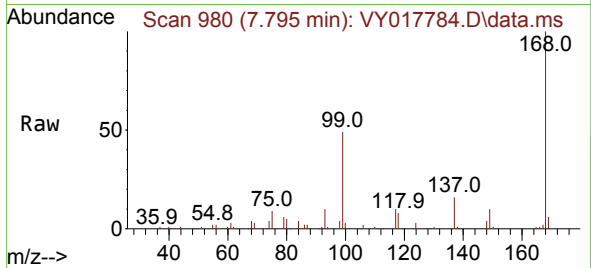




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

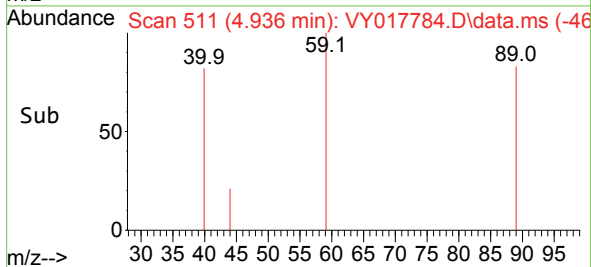
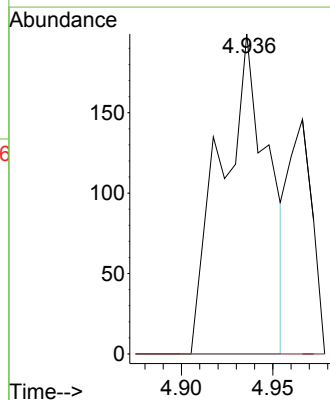
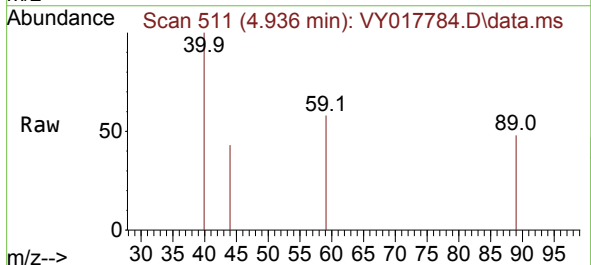
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT

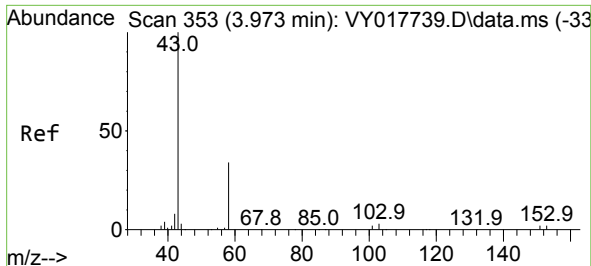
Tgt Ion:168 Resp: 78584  
Ion Ratio Lower Upper  
168 100  
99 48.7 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 7.840 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.043 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Tgt Ion: 59 Resp: 357  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

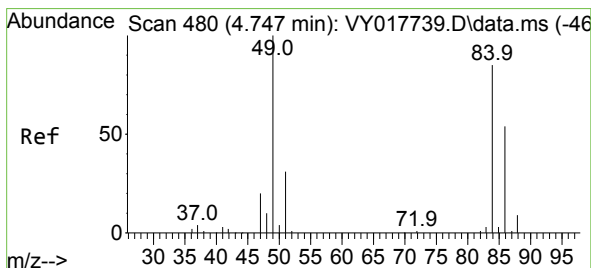
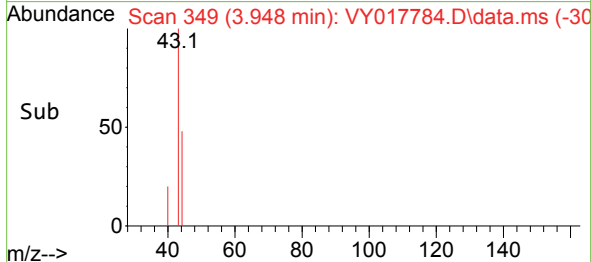
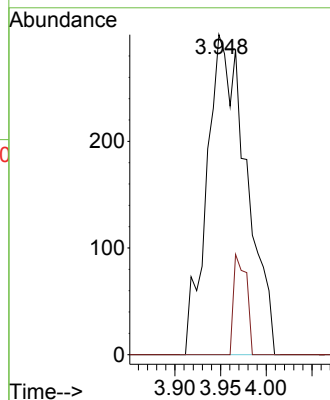
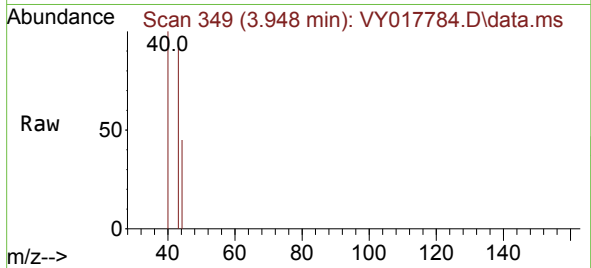




#16  
Acetone  
Concen: 7.508 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. -0.025 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

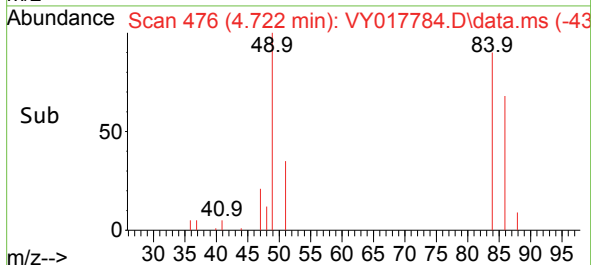
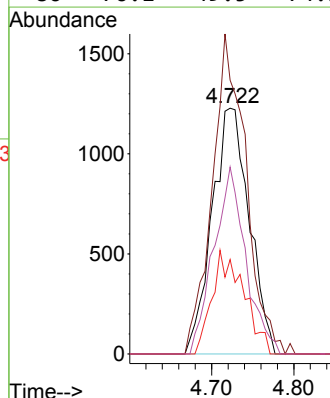
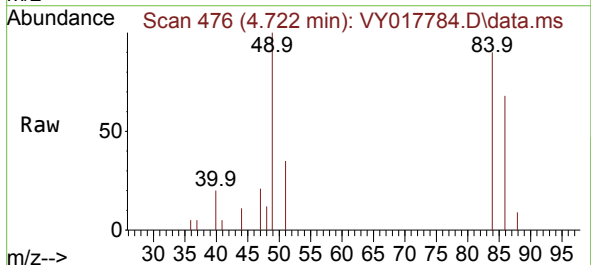
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT

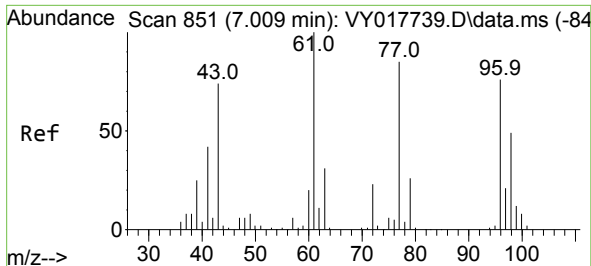
Tgt Ion: 43 Resp: 899  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



#20  
Methylene Chloride  
Concen: 4.420 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.025 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Tgt Ion: 84 Resp: 3849  
Ion Ratio Lower Upper  
84 100  
49 111.4 84.4 126.6  
51 38.4 26.0 39.0  
86 76.1 49.5 74.3#





#25

2-Butanone

Concen: 9.579 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.013 min

Lab File: VY017784.D

Acq: 27 Mar 2024 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

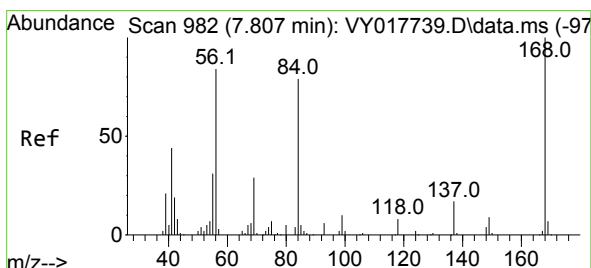
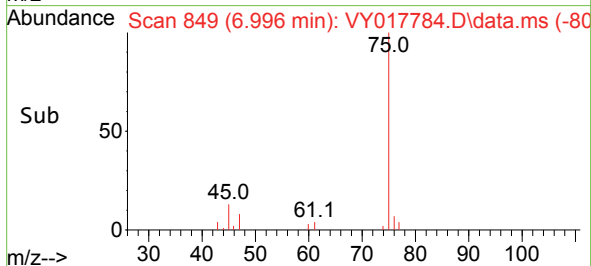
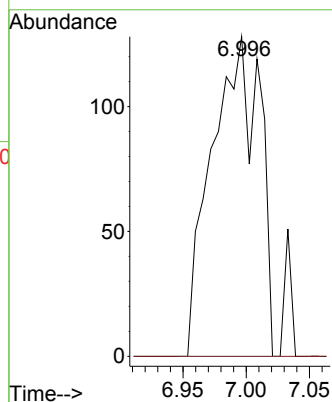
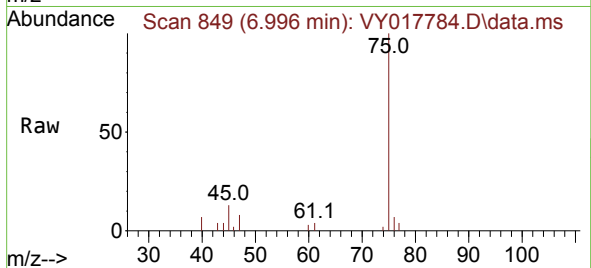
RB40858RT

Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.436 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.018 min

Lab File: VY017784.D

Acq: 27 Mar 2024 16:22

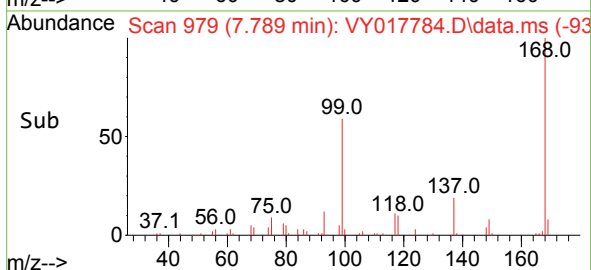
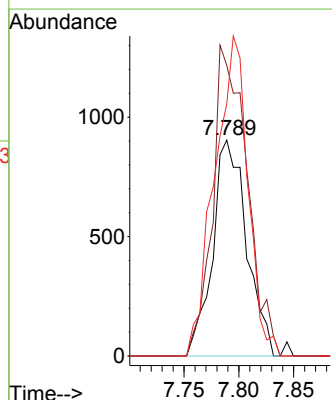
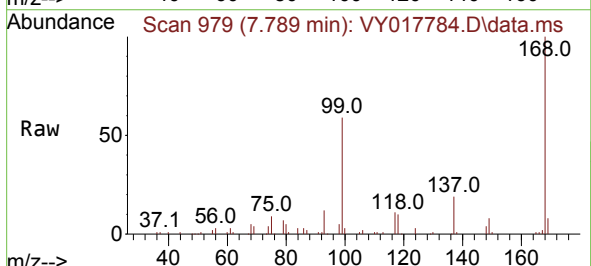
Tgt Ion: 56 Resp: 1944

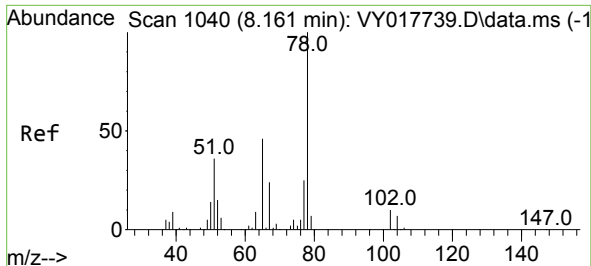
Ion Ratio Lower Upper

56 100

69 134.6 28.7 43.1#

84 116.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 61.432 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.018 min

Lab File: VY017784.D

Acq: 27 Mar 2024 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

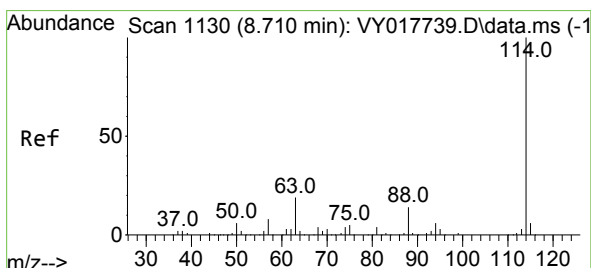
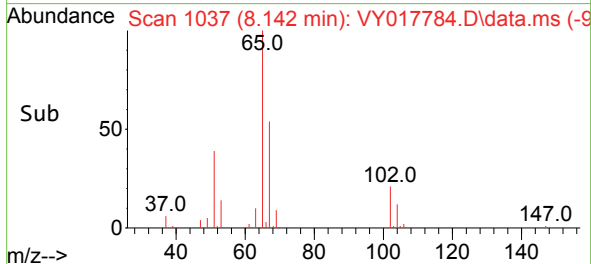
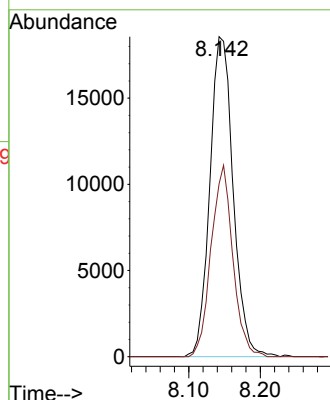
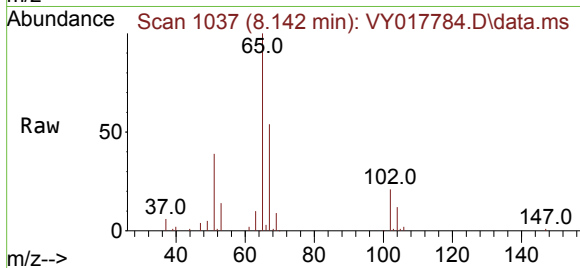
RB40858RT

Tgt Ion: 65 Resp: 42057

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.018 min

Lab File: VY017784.D

Acq: 27 Mar 2024 16:22

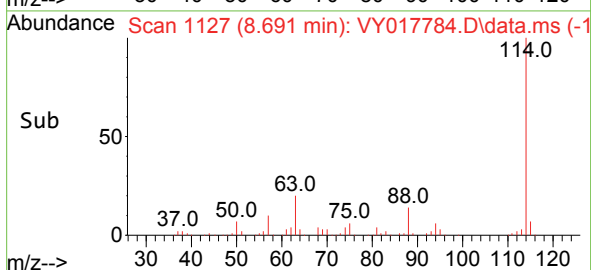
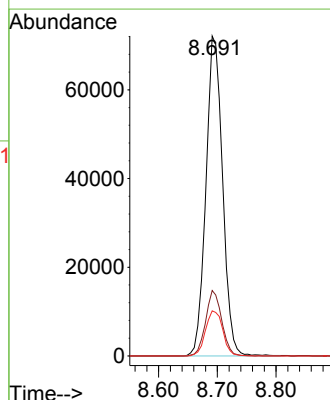
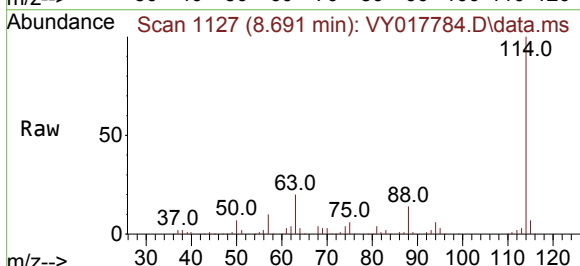
Tgt Ion: 114 Resp: 142405

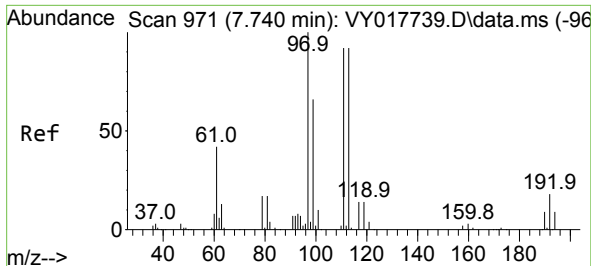
Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

88 14.1 0.0 27.2

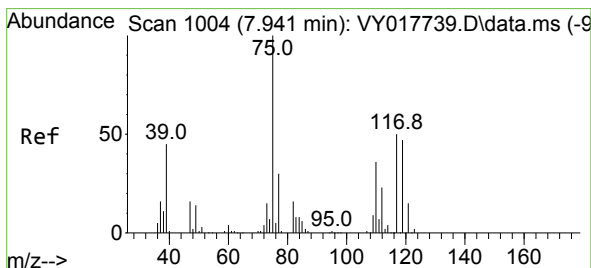
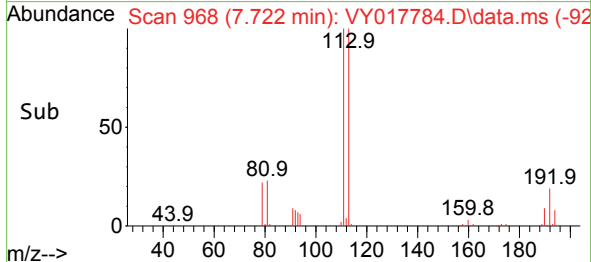
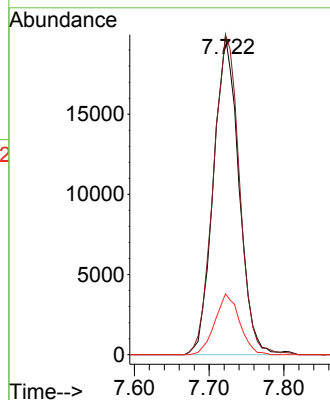
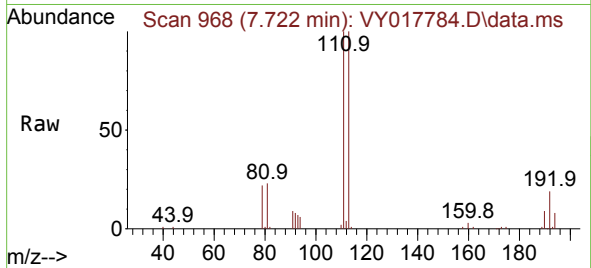




#35  
Dibromofluoromethane  
Concen: 55.246 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. -0.018 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

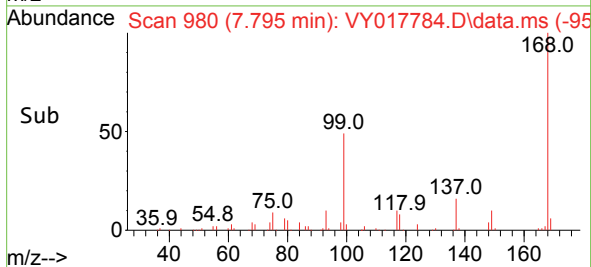
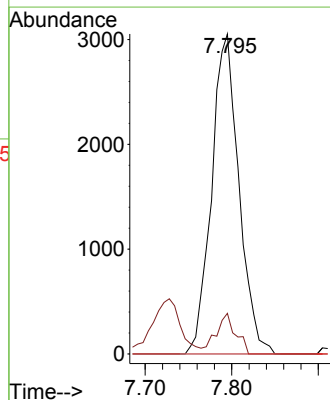
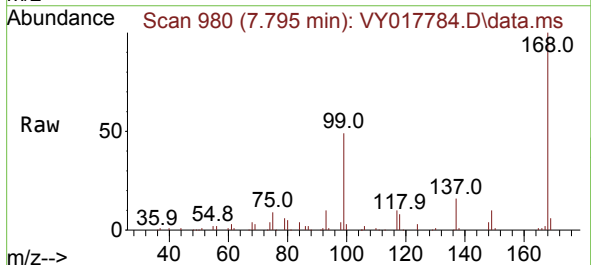
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RB40858RT

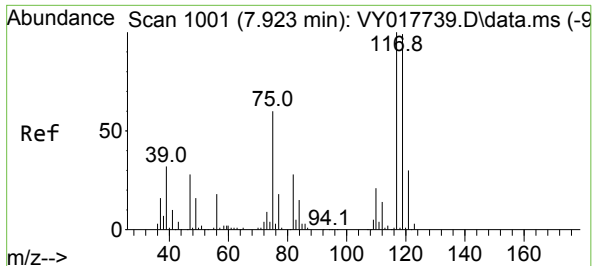
Tgt Ion:113 Resp: 47027  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.4  
192 18.5 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 5.083 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.146 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

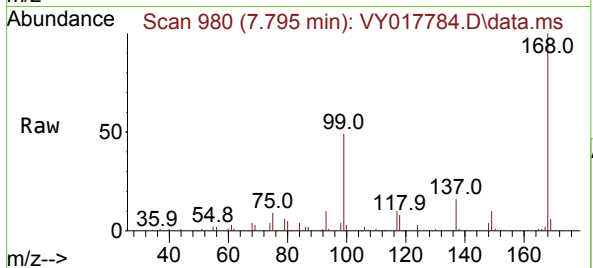
Tgt Ion: 75 Resp: 6684  
Ion Ratio Lower Upper  
75 100  
110 9.1 19.0 57.0#  
77 0.0 25.3 37.9#



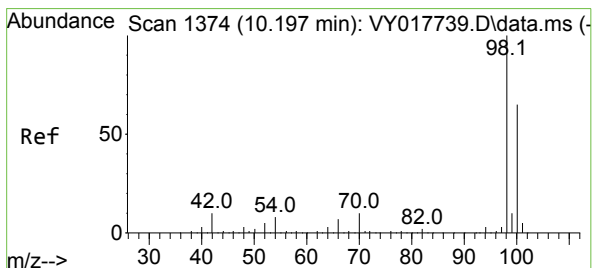
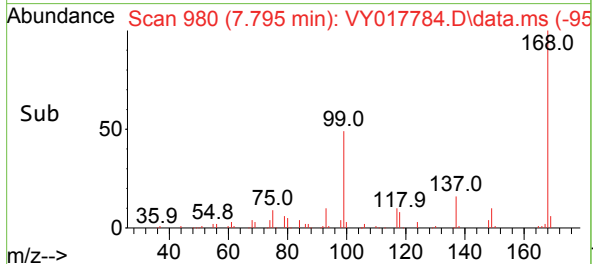
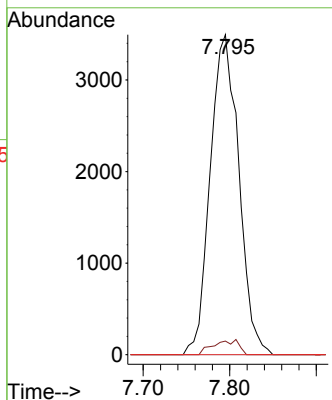


#38  
Carbon Tetrachloride  
Concen: 5.818 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT

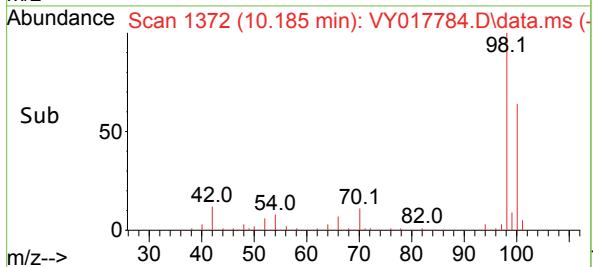
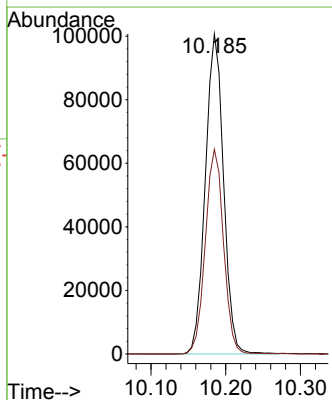
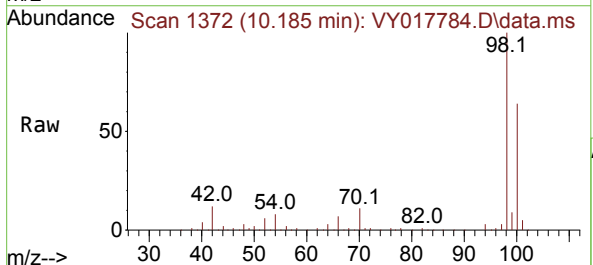


Tgt Ion:117 Resp: 8012  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.8 113.6#  
121 0.0 24.0 36.0#

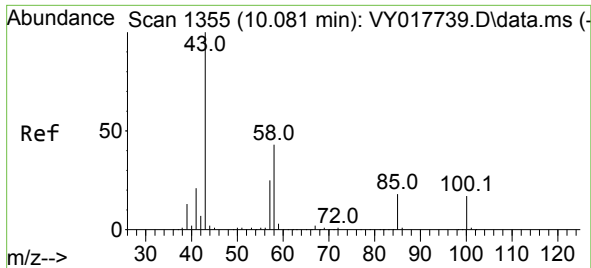


#50  
Toluene-d8  
Concen: 52.240 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.012 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Tgt Ion: 98 Resp: 170193  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0



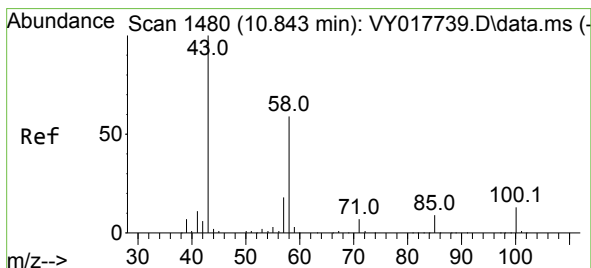
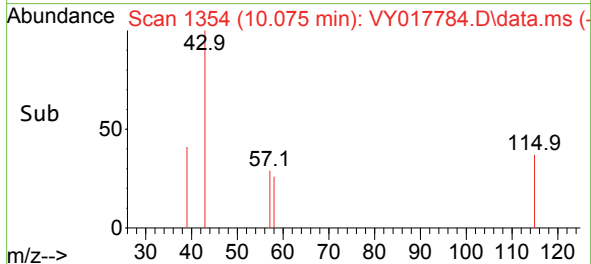
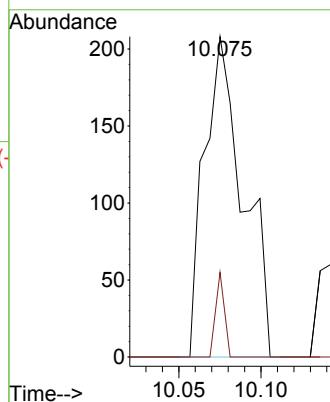
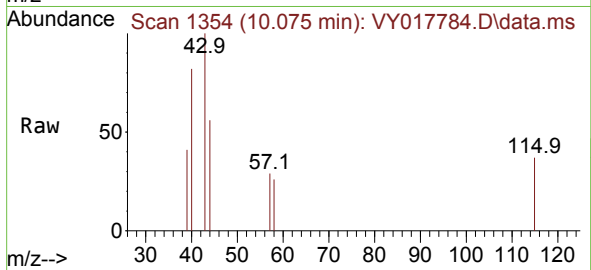




#51  
4-Methyl-2-Pentanone  
Concen: 6.262 ug/l  
RT: 10.075 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

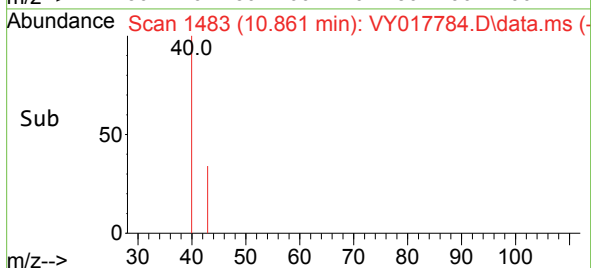
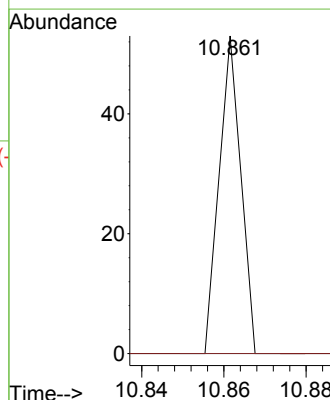
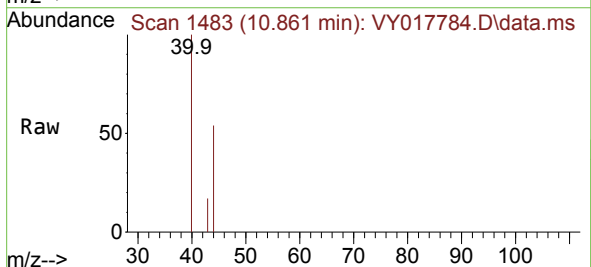
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT

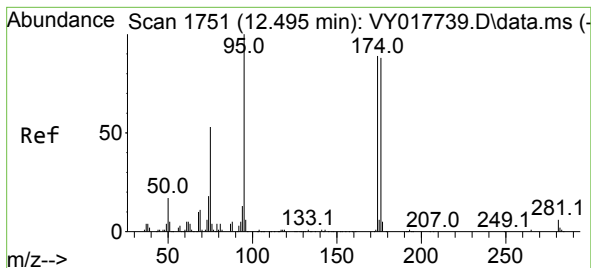
Tgt Ion: 43 Resp: 342  
Ion Ratio Lower Upper  
43 100  
58 0.0 35.7 53.5#



#59  
2-Hexanone  
Concen: 9.532 ug/l  
RT: 10.861 min Scan# 1483  
Delta R.T. 0.018 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Tgt Ion: 43 Resp: 19  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.4 94.0#

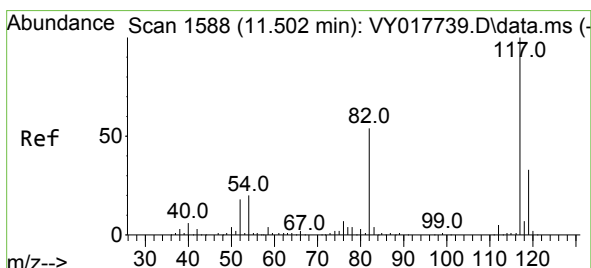
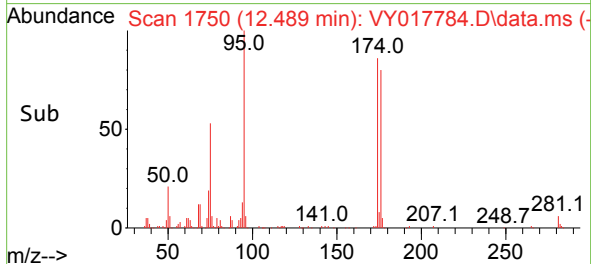
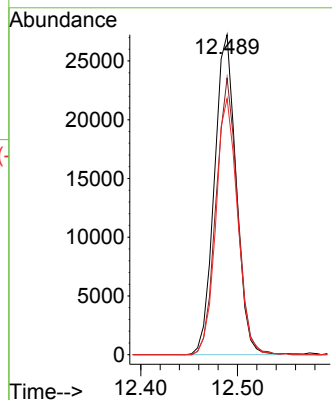
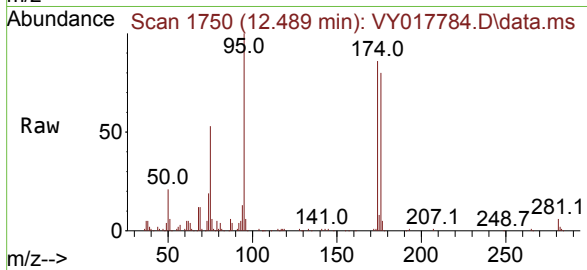




#62  
4-Bromofluorobenzene  
Concen: 43.490 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.006 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

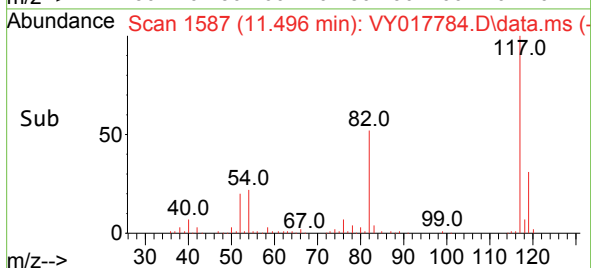
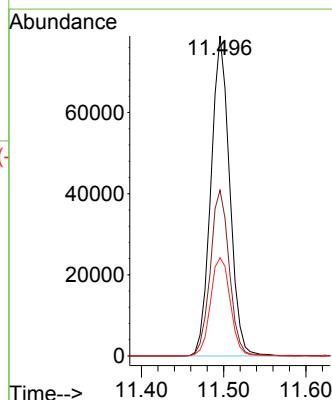
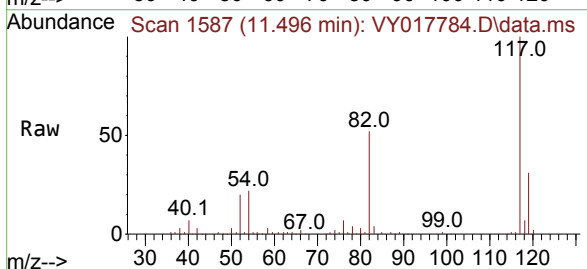
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT

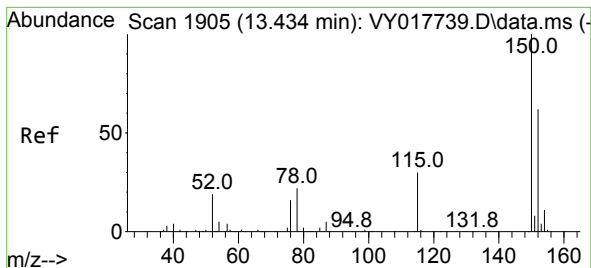
Tgt Ion: 95 Resp: 42545  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 175.6  
176 79.7 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Tgt Ion: 117 Resp: 124669  
Ion Ratio Lower Upper  
117 100  
82 51.8 42.4 63.6  
119 30.7 25.9 38.9

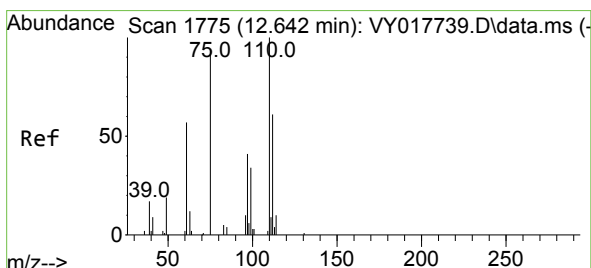
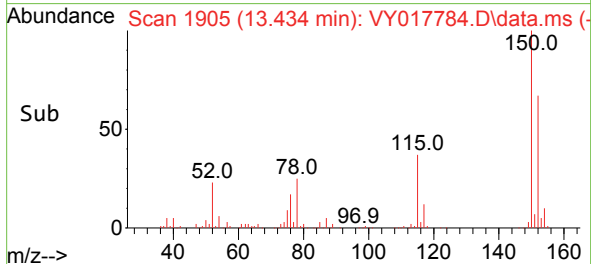
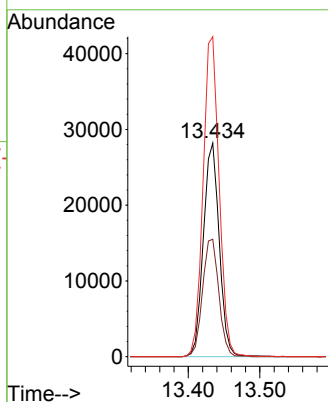
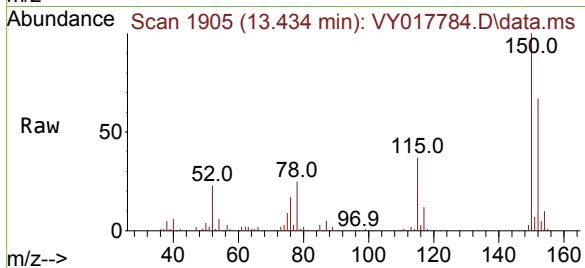




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

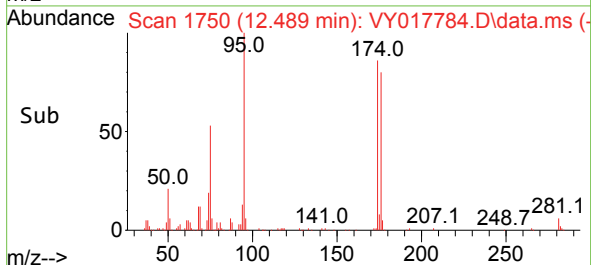
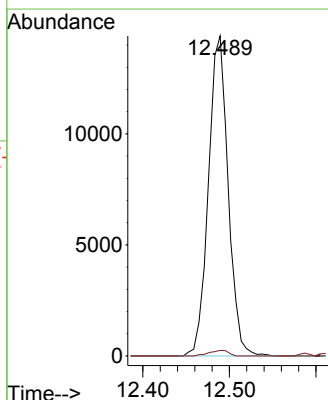
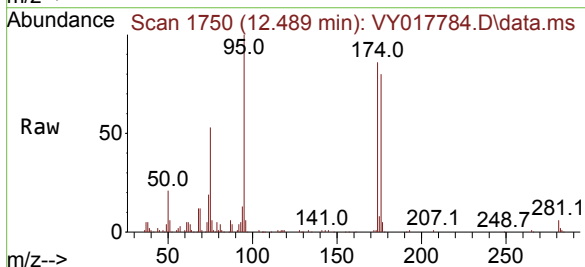
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT

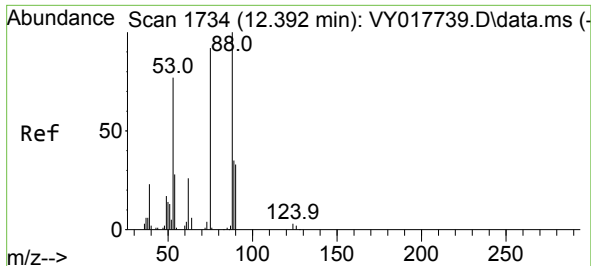
Tgt Ion:152 Resp: 43398  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.2 84.7  
150 151.5 0.0 345.6



#76  
1,2,3-Trichloropropane  
Concen: 56.883 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.153 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

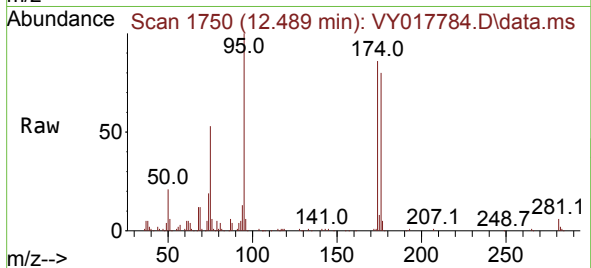
Tgt Ion: 75 Resp: 22796  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



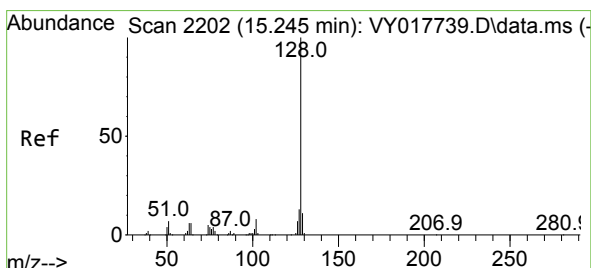
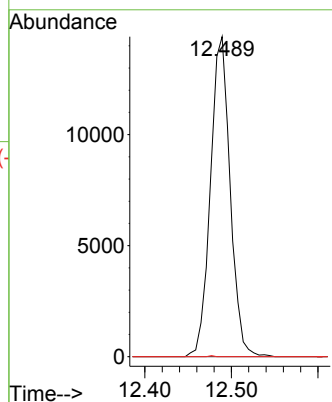
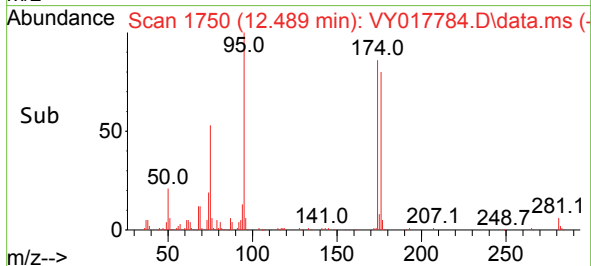


#81  
trans-1,4-Dichloro-2-butene  
Concen: 131.439 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.097 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB40858RT



Tgt Ion: 75 Resp: 22796  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.1 35.8 53.6#



#95  
Naphthalene  
Concen: 2.796 ug/l  
RT: 15.245 min Scan# 2202  
Delta R.T. -0.000 min  
Lab File: VY017784.D  
Acq: 27 Mar 2024 16:22

Tgt Ion:128 Resp: 222  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 13.0#

