

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022024\  
 Data File : VY017417.D  
 Acq On : 20 Feb 2024 12:49  
 Operator : SY/MD  
 Sample : VY0220SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0220SBL01

Quant Time: Feb 20 15:03:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 20 06:16:24 2024  
 Response via : Initial Calibration

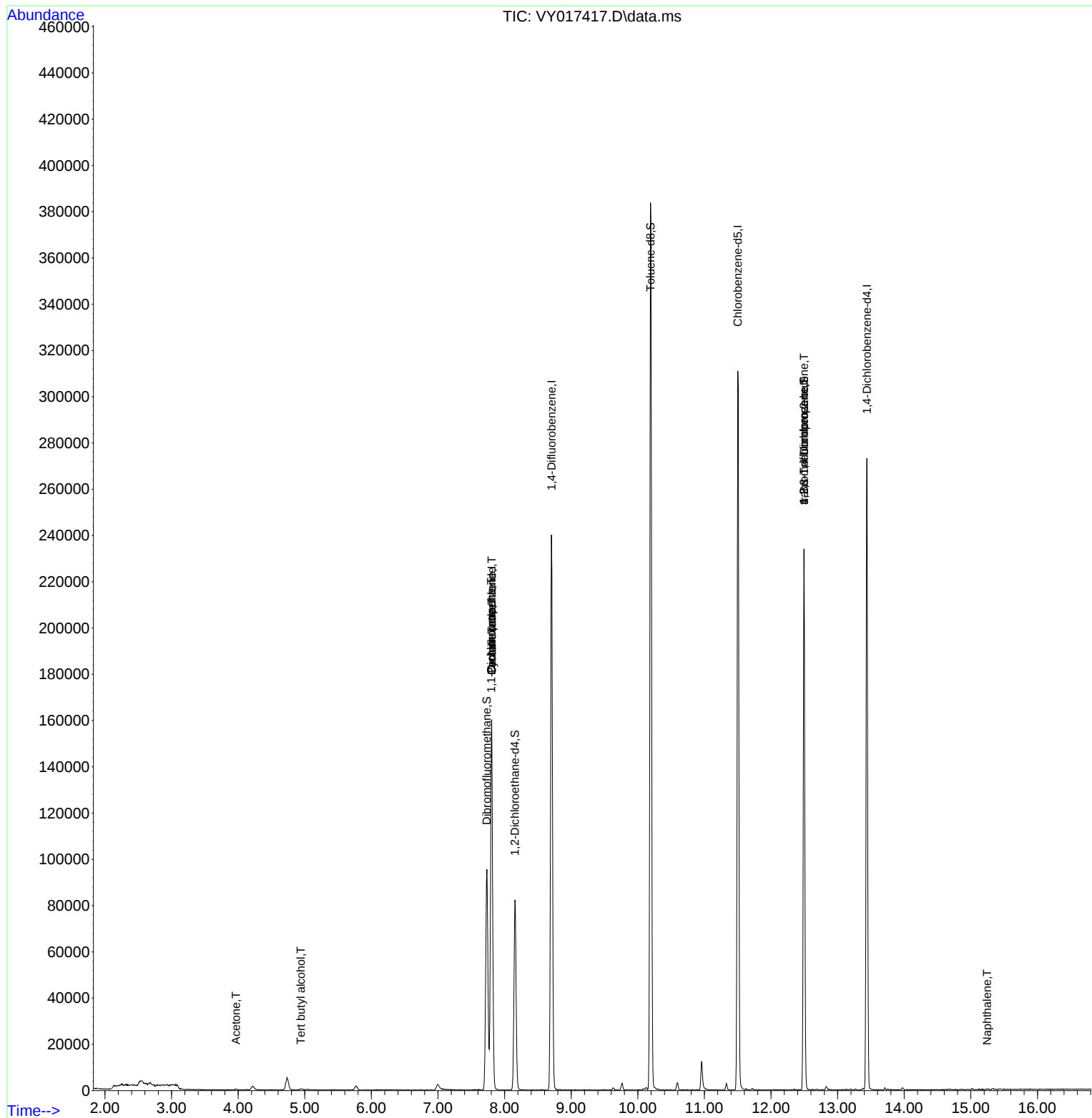
| Compound                      | R.T. QIon |       | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|--------------|------------|----------|
| -----                         |           |       |          |              |            |          |
| Internal Standards            |           |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.807     | 168   | 127334   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703     | 114   | 215980   | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.501    | 117   | 180757   | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.440    | 152   | 72078    | 50.000       | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.154     | 65    | 61329    | 56.379       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery     | = 112.760% |          |
| 35) Dibromofluoromethane      | 7.734     | 113   | 68528    | 54.204       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery     | = 108.400% |          |
| 50) Toluene-d8                | 10.191    | 98    | 261822   | 53.398       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery     | = 106.800% |          |
| 62) 4-Bromofluorobenzene      | 12.495    | 95    | 67748    | 41.724       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery     | = 83.440%  |          |
| Target Compounds              |           |       |          |              |            |          |
|                               |           |       |          |              | Qvalue     |          |
| 5) Bromomethane               | 2.680     | 94    | 598      | Below Cal    |            | 93       |
| 11) Tert butyl alcohol        | 4.942     | 59    | 479      | 5.663 ug/l   | #          | 88       |
| 16) Acetone                   | 3.966     | 43    | 617      | 2.619 ug/l   | #          | 84       |
| 20) Methylene Chloride        | 4.734     | 84    | 4162     | Below Cal    |            | 92       |
| 31) Cyclohexane               | 7.807     | 56    | 2436     | 1.131 ug/l   | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.801     | 75    | 9582     | 4.538 ug/l   | #          | 48       |
| 38) Carbon Tetrachloride      | 7.807     | 117   | 11812    | 5.619 ug/l   | #          | 17       |
| 76) 1,2,3-Trichloropropane    | 12.495    | 75    | 35564    | 50.888 ug/l  | #          | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495    | 75    | 35564    | 118.649 ug/l | #          | 16       |
| 95) Naphthalene               | 15.245    | 128   | 419      | 3.720 ug/l   | #          | 69       |
| -----                         |           |       |          |              |            |          |

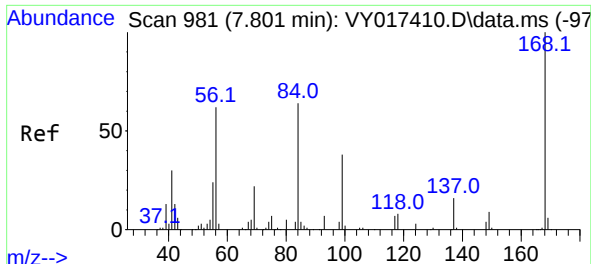
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022024\  
Data File : VY017417.D  
Acq On : 20 Feb 2024 12:49  
Operator : SY/MD  
Sample : VY0220SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

Quant Time: Feb 20 15:03:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 20 06:16:24 2024  
Response via : Initial Calibration

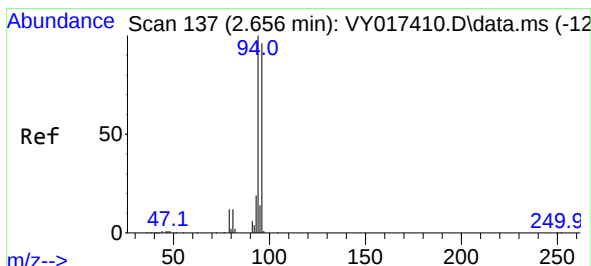
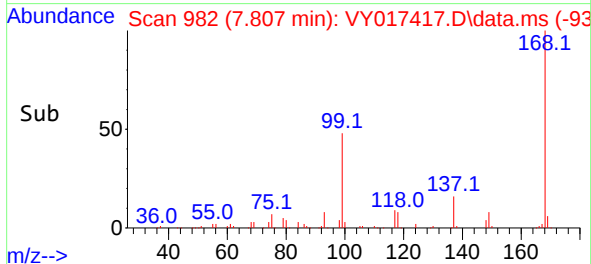
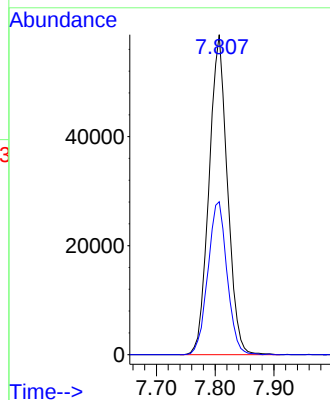
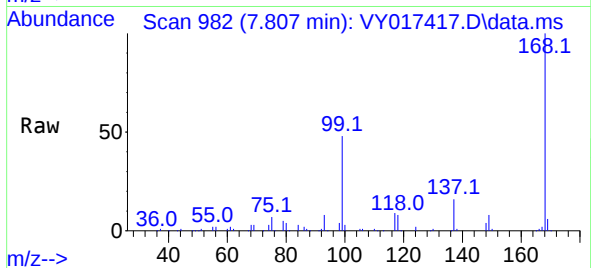




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

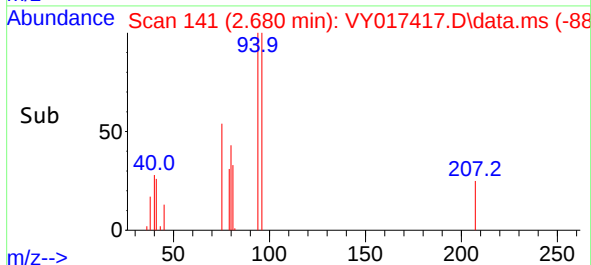
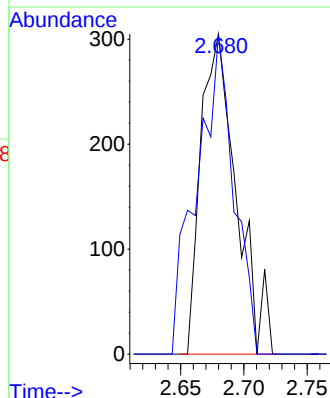
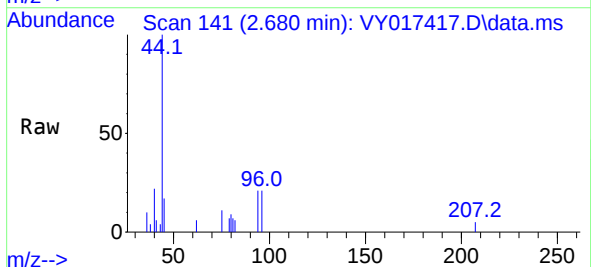
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

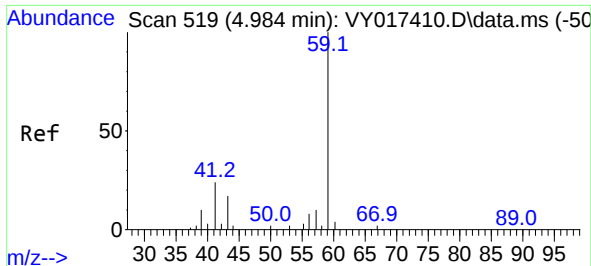
Tgt Ion:168 Resp: 127334  
Ion Ratio Lower Upper  
168 100  
99 47.8 39.1 58.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.680 min Scan# 141  
Delta R.T. 0.024 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Tgt Ion: 94 Resp: 598  
Ion Ratio Lower Upper  
94 100  
96 99.7 74.1 111.1





#11

Tert butyl alcohol

Concen: 5.663 ug/l

RT: 4.942 min Scan# 51

Delta R.T. -0.042 min

Lab File: VY017417.D

Acq: 20 Feb 2024 12:49

Instrument :

MSVOA\_Y

ClientSampleId :

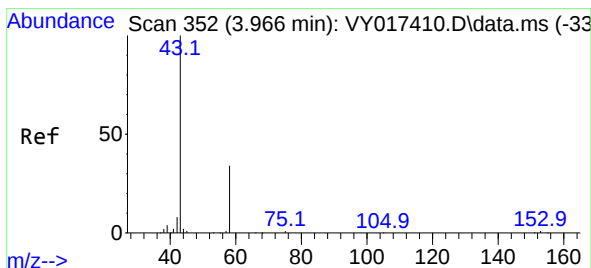
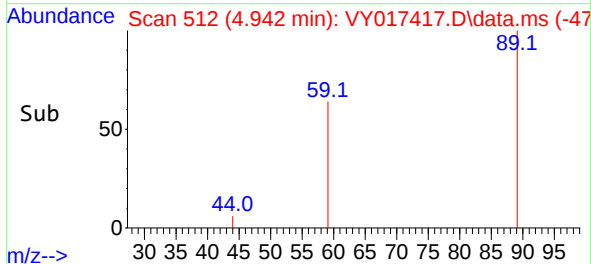
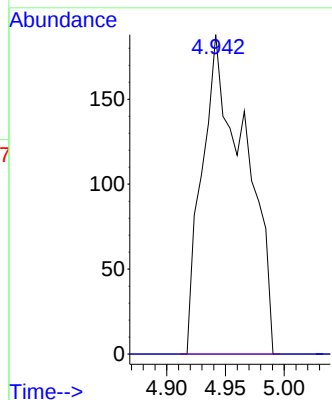
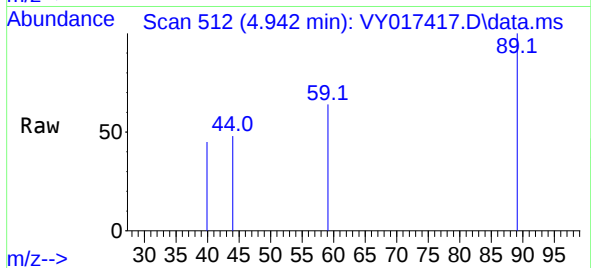
VY0220SBL01

Tgt Ion: 59 Resp: 479

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.619 ug/l

RT: 3.966 min Scan# 352

Delta R.T. -0.000 min

Lab File: VY017417.D

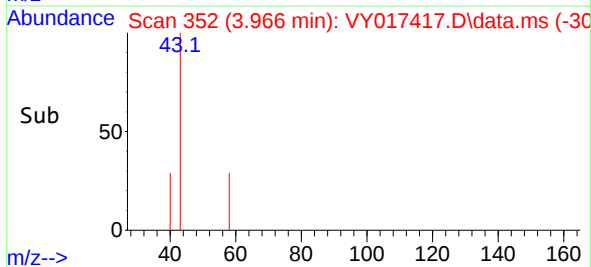
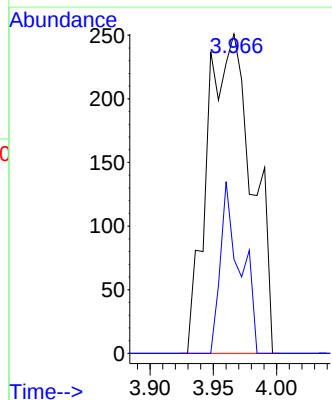
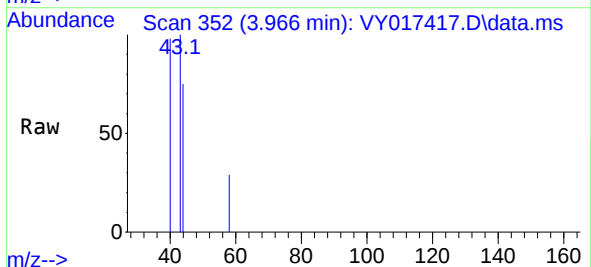
Acq: 20 Feb 2024 12:49

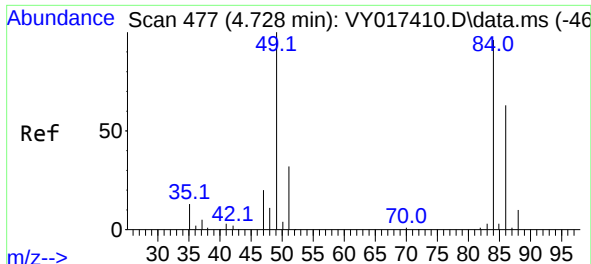
Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

58 29.5 31.7 47.5#



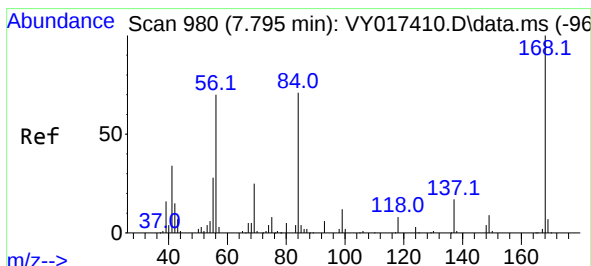
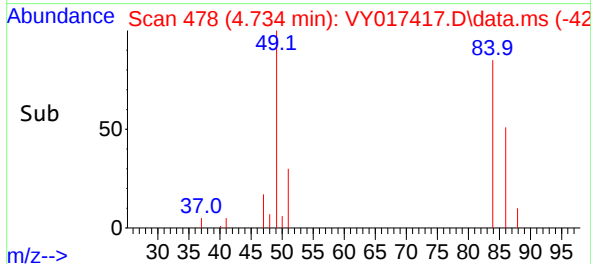
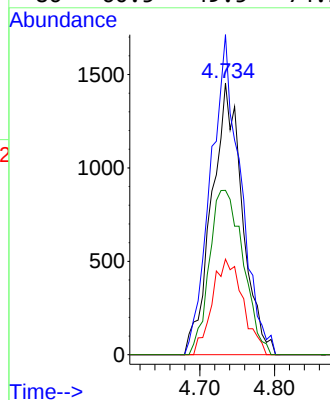
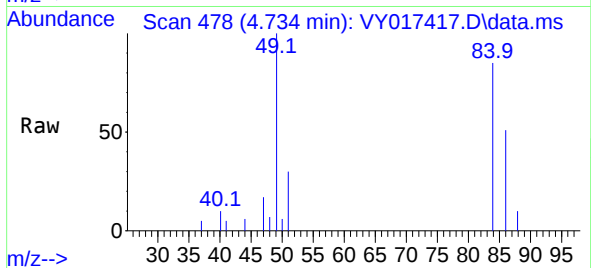


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.734 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

Tgt Ion: 84 Resp: 4162

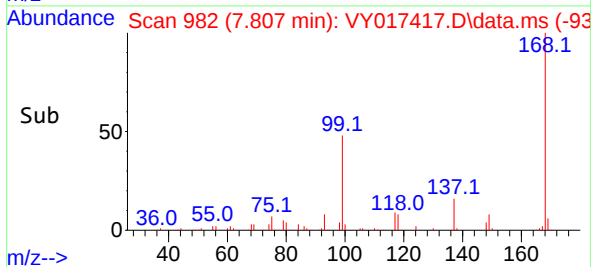
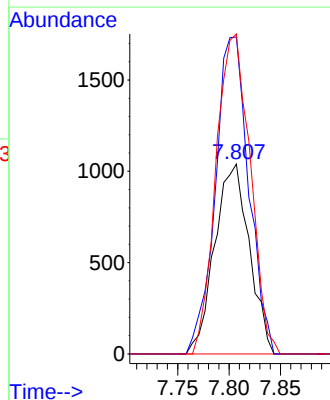
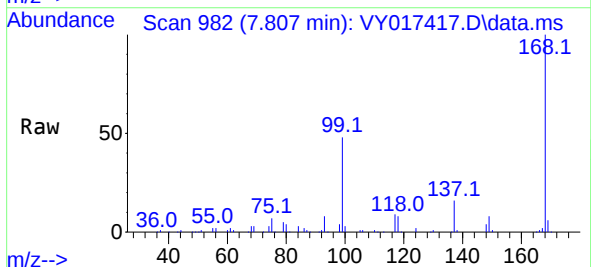
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 117.8 | 84.4  | 126.6 |
| 51  | 35.2  | 26.0  | 39.0  |
| 86  | 60.5  | 49.5  | 74.3  |

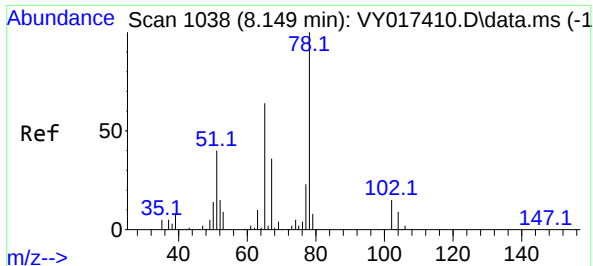


#31  
Cyclohexane  
Concen: 1.131 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.012 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Tgt Ion: 56 Resp: 2436

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 166.8 | 28.7  | 43.1#  |
| 84  | 168.5 | 77.7  | 116.5# |





#33

1,2-Dichloroethane-d4

Concen: 56.379 ug/l

RT: 8.154 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017417.D

Acq: 20 Feb 2024 12:49

Instrument :

MSVOA\_Y

ClientSampleId :

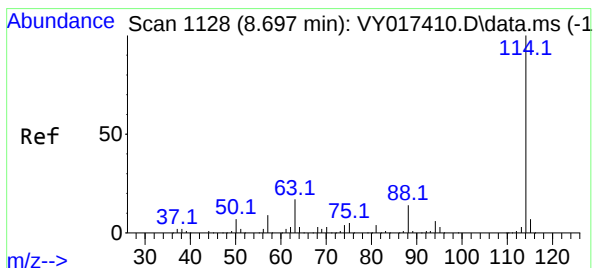
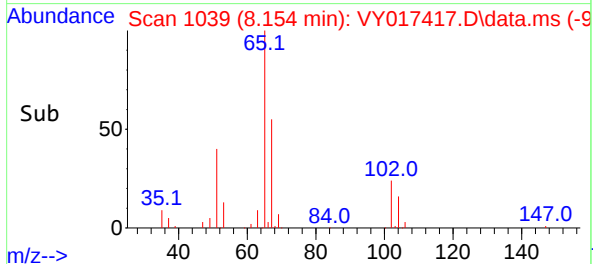
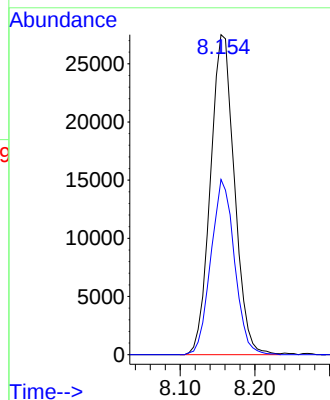
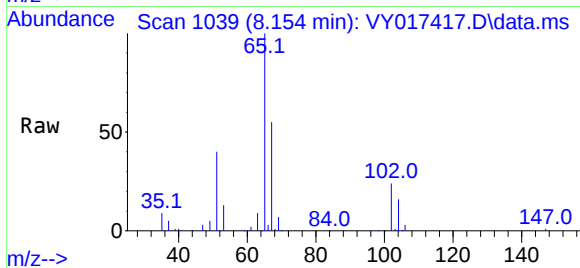
VY0220SBL01

Tgt Ion: 65 Resp: 61329

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017417.D

Acq: 20 Feb 2024 12:49

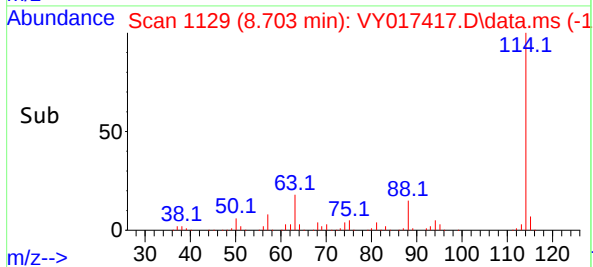
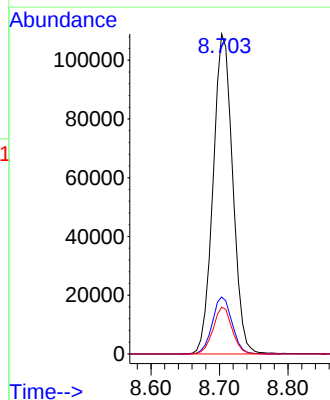
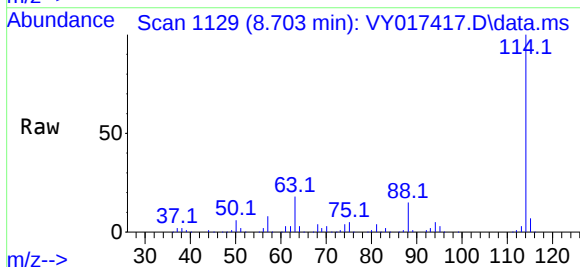
Tgt Ion: 114 Resp: 215980

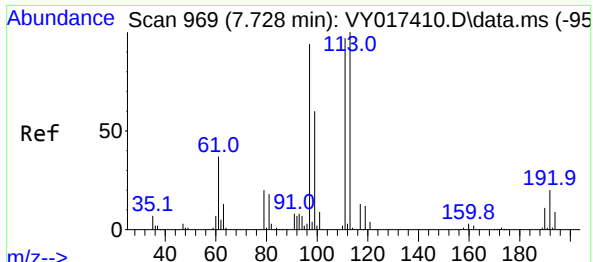
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 14.6 0.0 27.2

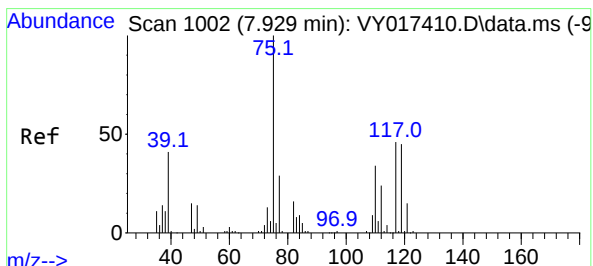
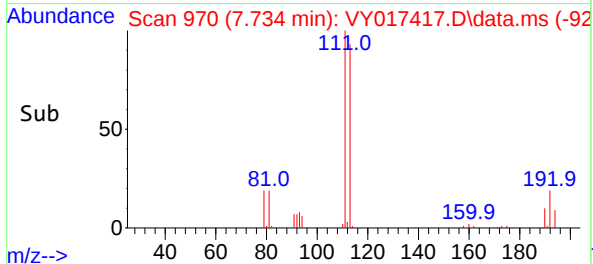
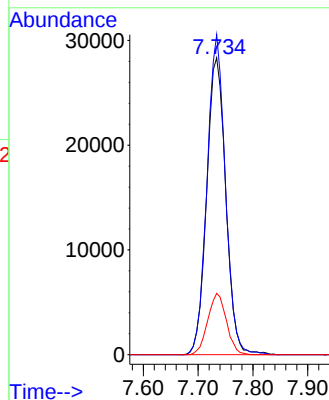
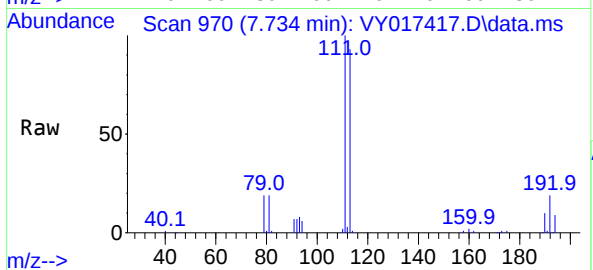




#35  
Dibromofluoromethane  
Concen: 54.204 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

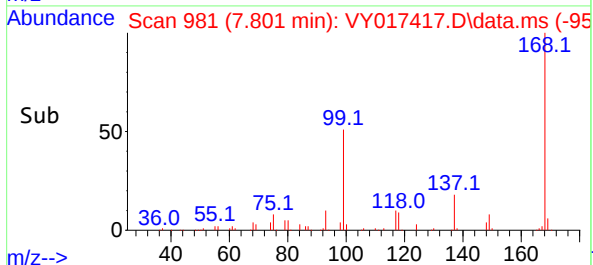
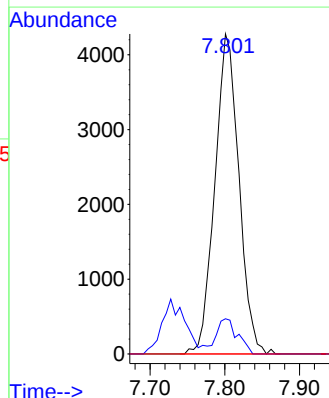
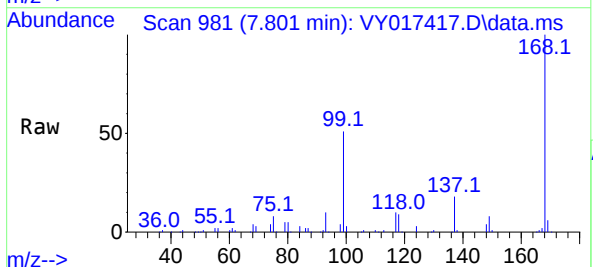
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

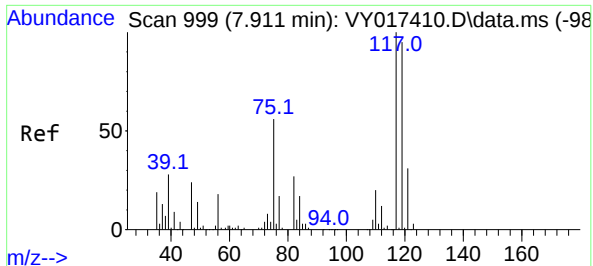
Tgt Ion:113 Resp: 68528  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.2 123.4  
192 20.1 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.538 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

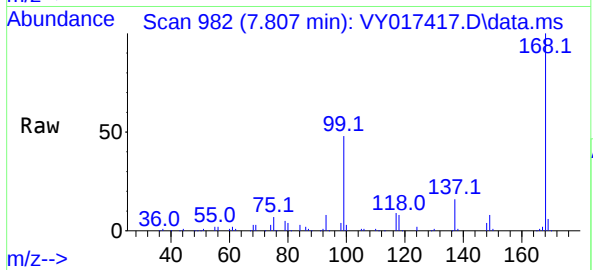
Tgt Ion: 75 Resp: 9582  
Ion Ratio Lower Upper  
75 100  
110 9.5 19.0 57.0#  
77 0.0 25.3 37.9#



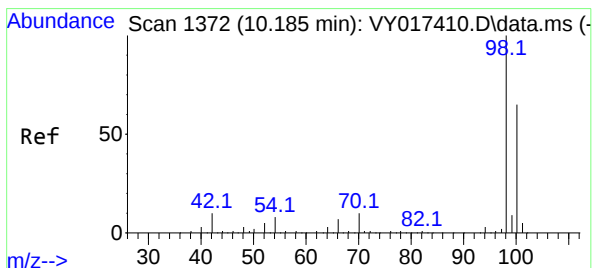
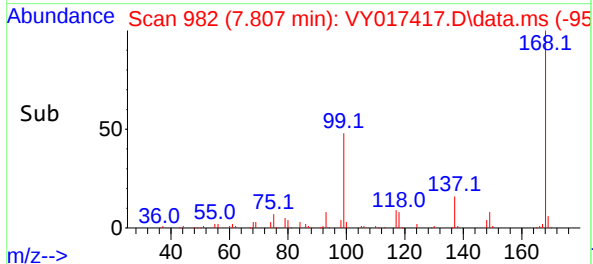
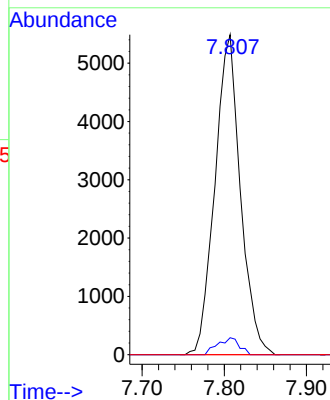


#38  
Carbon Tetrachloride  
Concen: 5.619 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

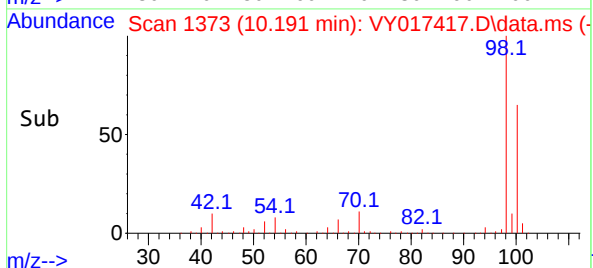
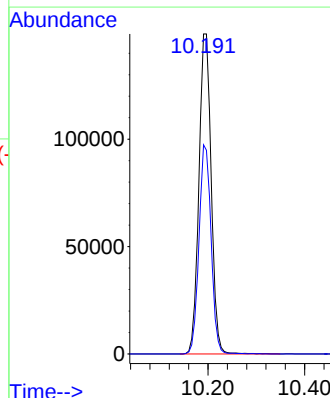
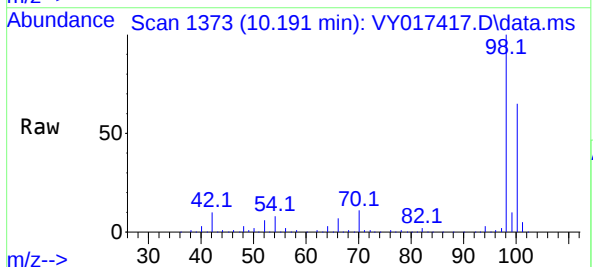


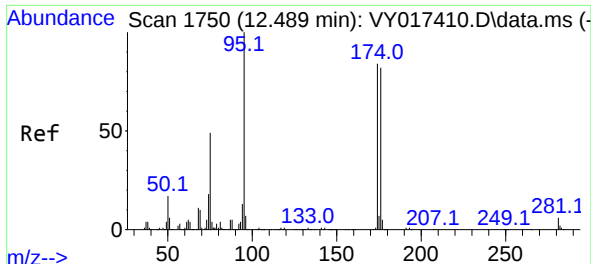
Tgt Ion:117 Resp: 11812  
Ion Ratio Lower Upper  
117 100  
119 5.3 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 53.398 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Tgt Ion: 98 Resp: 261822  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0

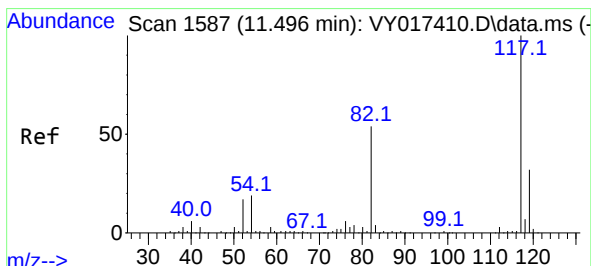
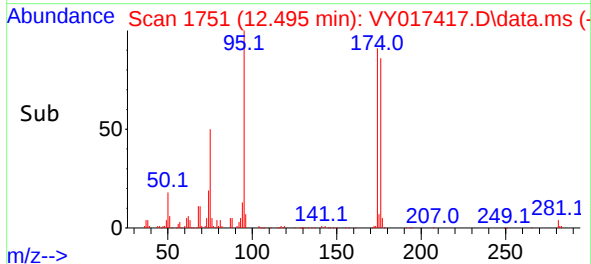
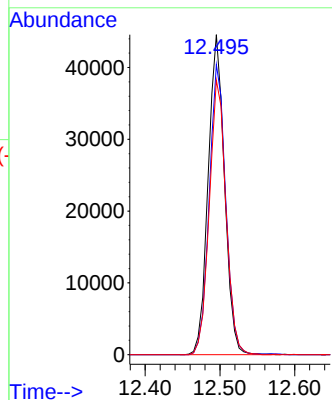
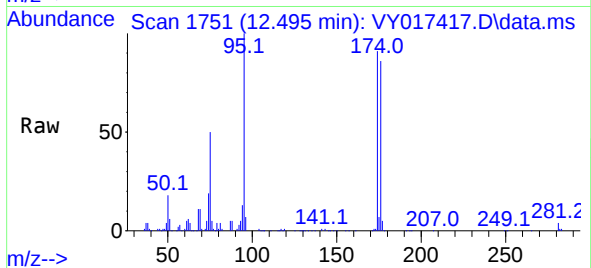




#62  
4-Bromofluorobenzene  
Concen: 41.724 ug/l  
RT: 12.495 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

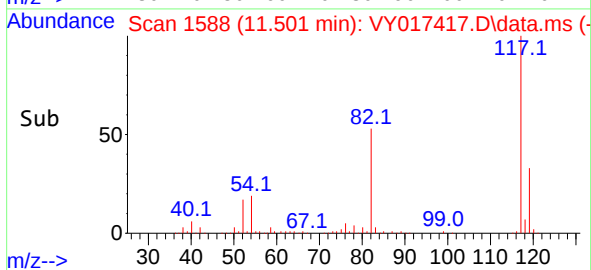
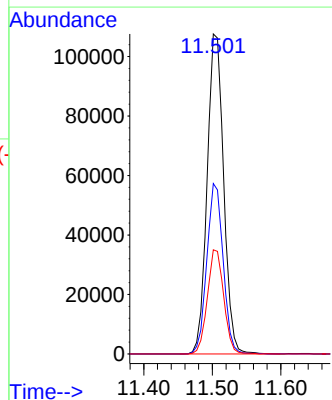
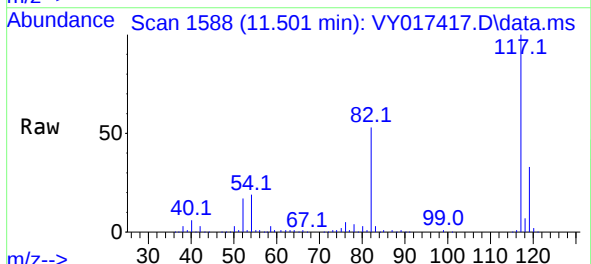
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

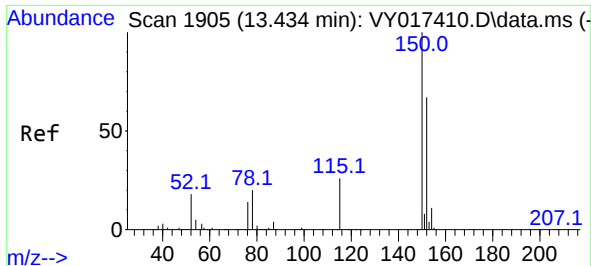
Tgt Ion: 95 Resp: 67748  
Ion Ratio Lower Upper  
95 100  
174 91.7 0.0 175.6  
176 87.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.501 min Scan# 1588  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Tgt Ion: 117 Resp: 180757  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.4 63.6  
119 32.5 25.9 38.9

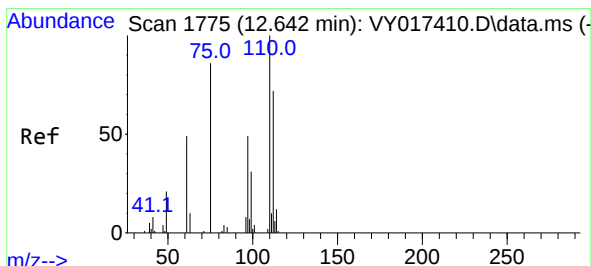
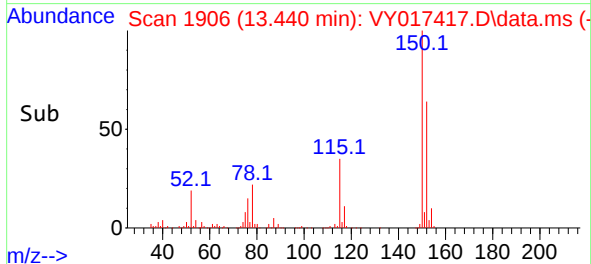
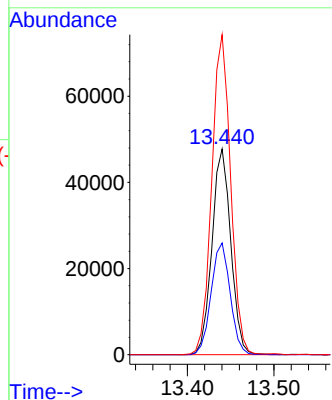
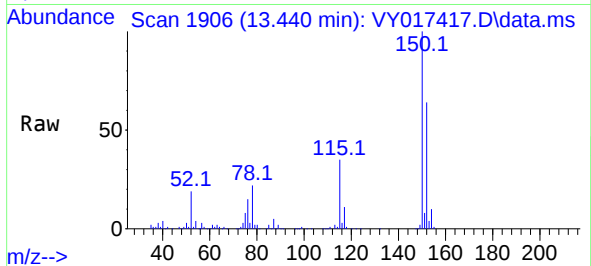




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

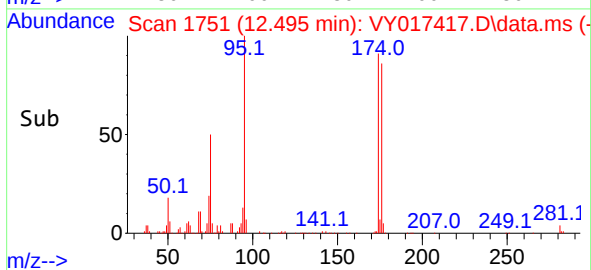
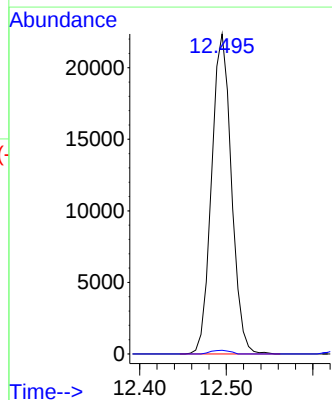
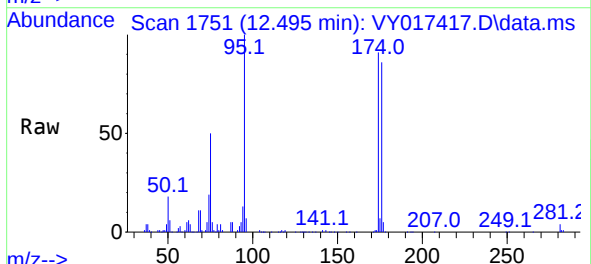
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

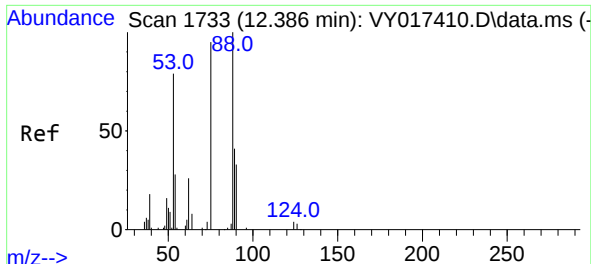
Tgt Ion:152 Resp: 72078  
Ion Ratio Lower Upper  
152 100  
115 55.0 28.2 84.7  
150 155.7 0.0 345.6



#76  
1,2,3-Trichloropropane  
Concen: 50.888 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.146 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Tgt Ion: 75 Resp: 35564  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#

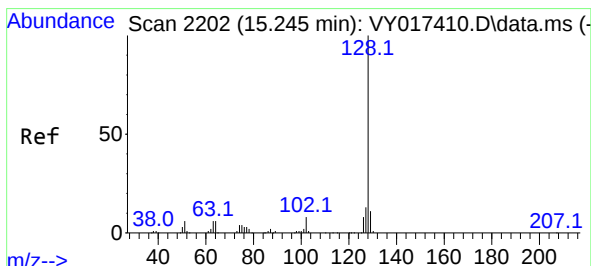
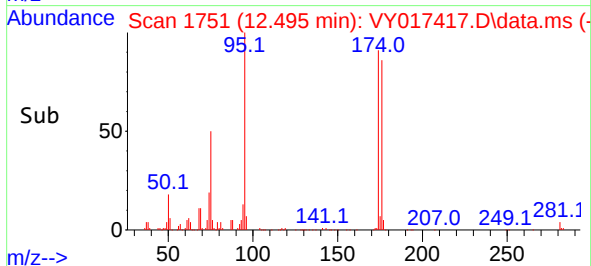
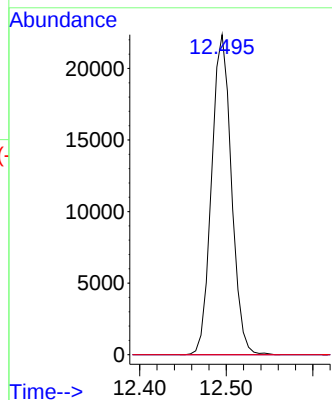
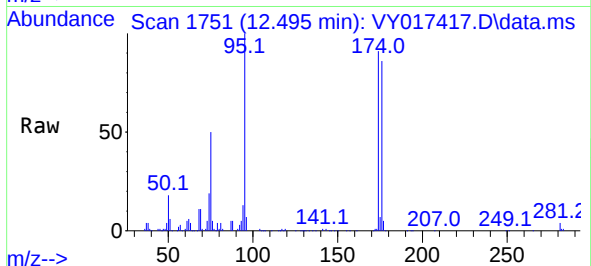




#81  
trans-1,4-Dichloro-2-butene  
Concen: 118.649 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0220SBL01

Tgt Ion: 75 Resp: 35564  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#



#95  
Naphthalene  
Concen: 3.720 ug/l  
RT: 15.245 min Scan# 2202  
Delta R.T. -0.000 min  
Lab File: VY017417.D  
Acq: 20 Feb 2024 12:49

Tgt Ion: 128 Resp: 419  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 13.0#

