

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112122\  
 Data File : VY011524.D  
 Acq On : 21 Nov 2022 15:15  
 Operator : KP/MD  
 Sample : N5678-21  
 Misc : 6.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 22 01:46:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

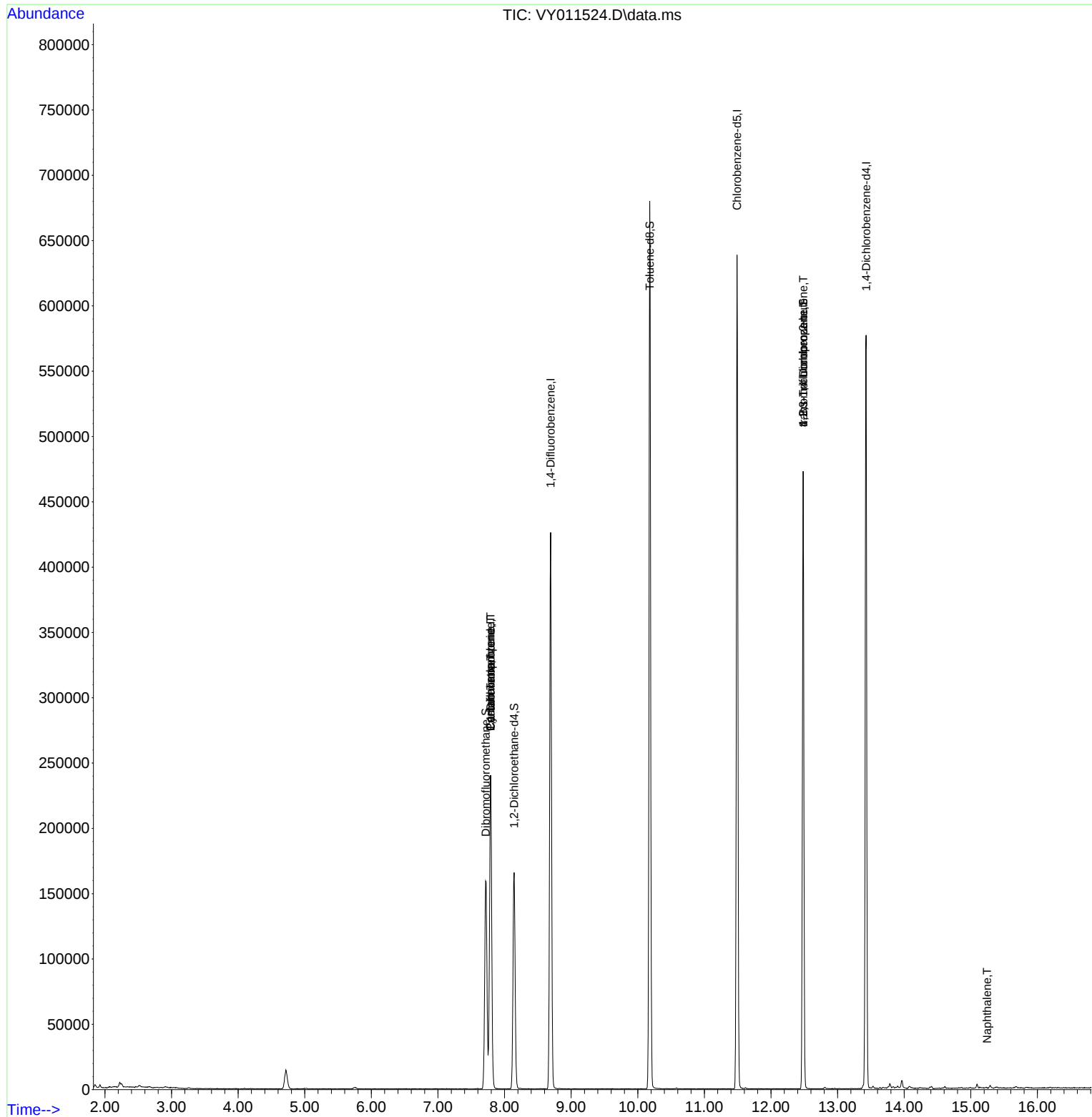
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 179337   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 349079   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 333477   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 145393   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 128897   | 70.784    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 141.560% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 113121   | 52.641    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 105.280% |          |
| 50) Toluene-d8                | 10.179 | 98    | 429403   | 54.989    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 109.980% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 136720   | 47.354    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 94.700%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.924  | 85    | 19       | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.113  | 50    | 228      | Below Cal | #          | 66       |
| 5) Bromomethane               | 2.668  | 94    | 177      | Below Cal |            | 81       |
| 11) Tert butyl alcohol        | 4.948  | 59    | 20       | Below Cal | #          | 77       |
| 18) Methyl Acetate            | 4.473  | 43    | 87       | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 10153    | Below Cal |            | 89       |
| 31) Cyclohexane               | 7.789  | 56    | 3937     | 1.304     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 14542    | 4.329     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 17929    | 4.771     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 73477    | 46.927    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 73477    | 102.785   | ug/l #     | 7        |
| 95) Naphthalene               | 15.245 | 128   | 357      | 4.084     | ug/l #     | 69       |
| -----                         |        |       |          |           |            |          |

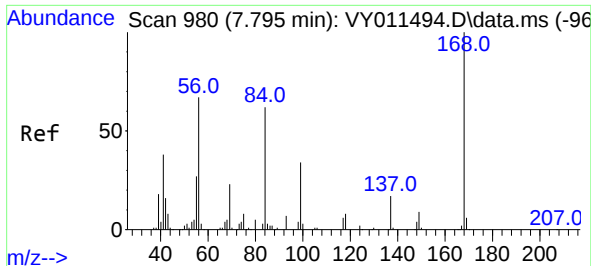
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112122\  
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Sample : N5678-21  
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MSVOA\_Y  
ClientSampleId :

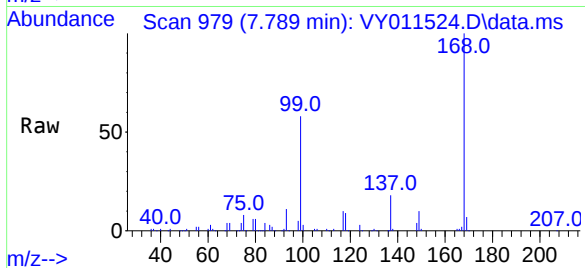
Quant Time: Nov 22 01:46:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration



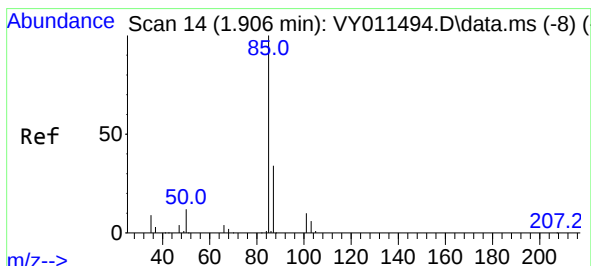
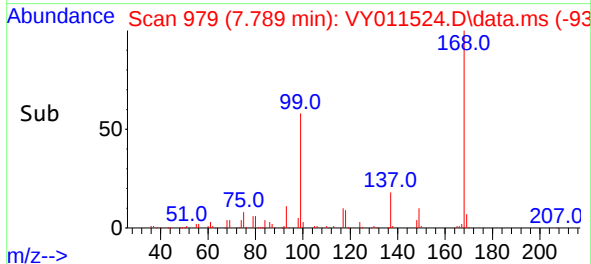
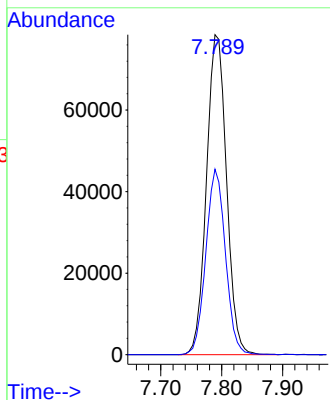


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

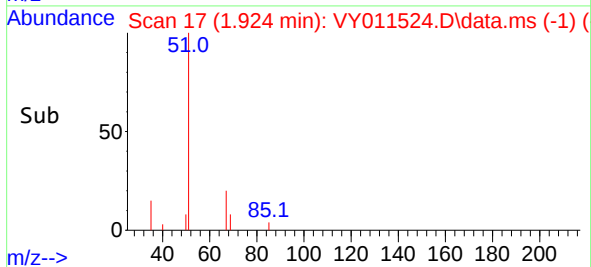
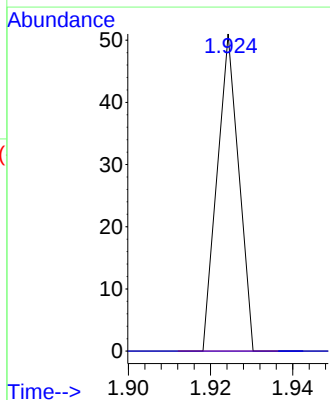
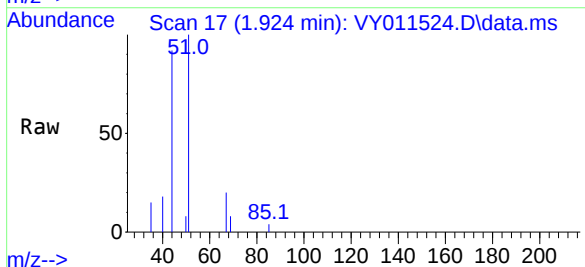


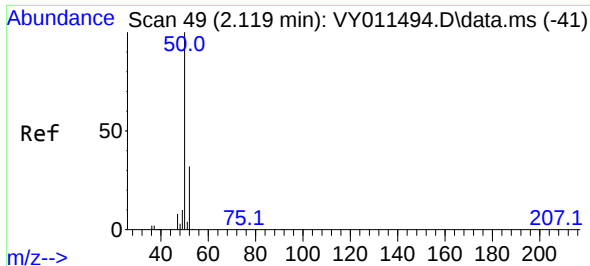
Tgt Ion:168 Resp: 179337  
Ion Ratio Lower Upper  
168 100  
99 57.9 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.924 min Scan# 17  
Delta R.T. 0.018 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Tgt Ion: 85 Resp: 19  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

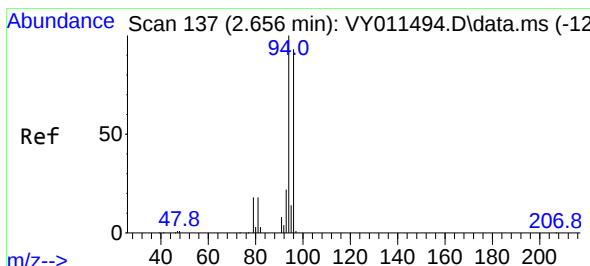
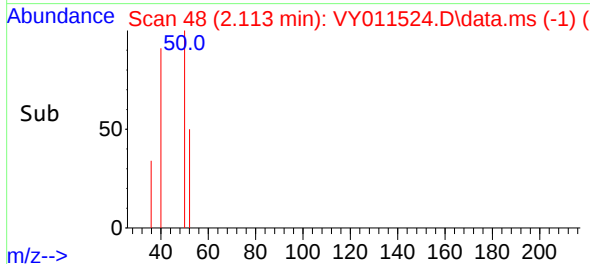
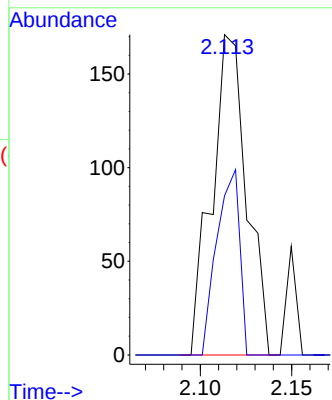
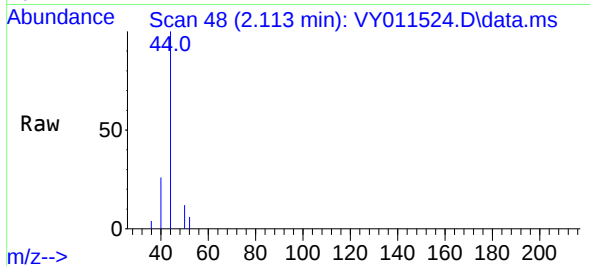




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

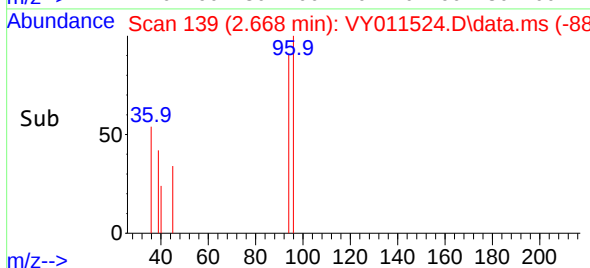
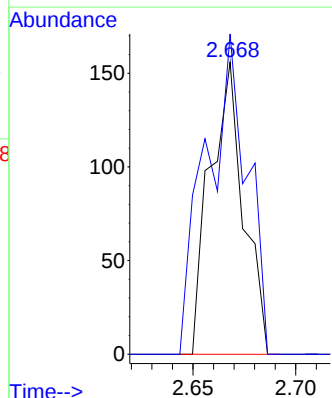
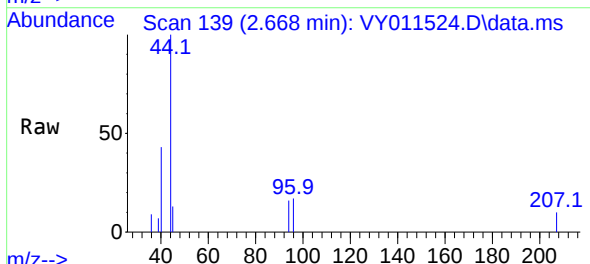
Instrument :  
MSVOA\_Y  
ClientSampleId :

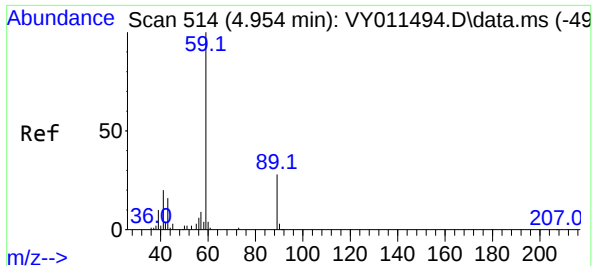
Tgt Ion: 50 Resp: 228  
Ion Ratio Lower Upper  
50 100  
52 49.7 24.6 37.0#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 139  
Delta R.T. 0.012 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Tgt Ion: 94 Resp: 177  
Ion Ratio Lower Upper  
94 100  
96 109.6 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY011524.D

Acq: 21 Nov 2022 15:15

Instrument :

MSVOA\_Y

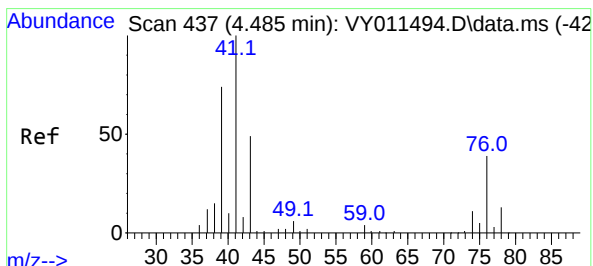
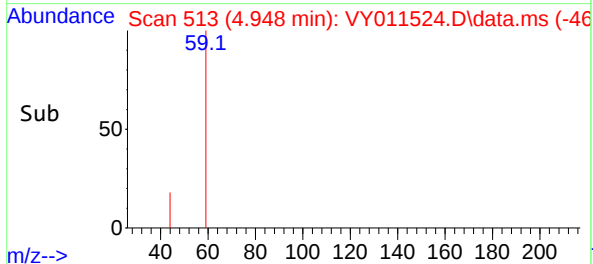
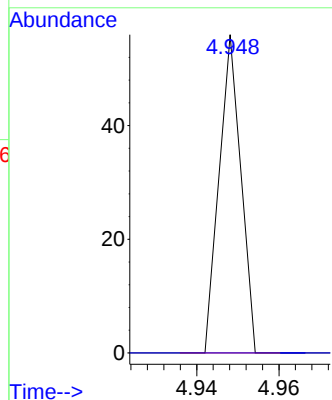
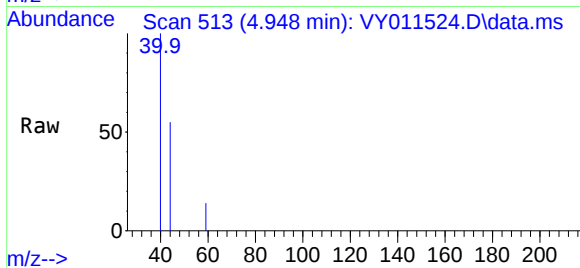
ClientSampleId :

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.473 min Scan# 435

Delta R.T. -0.012 min

Lab File: VY011524.D

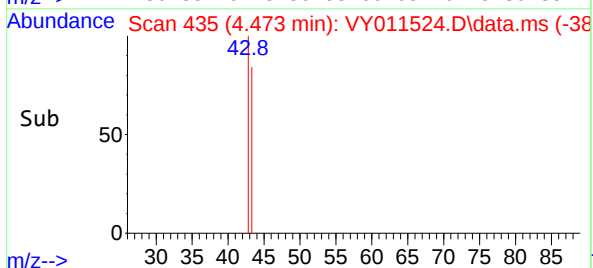
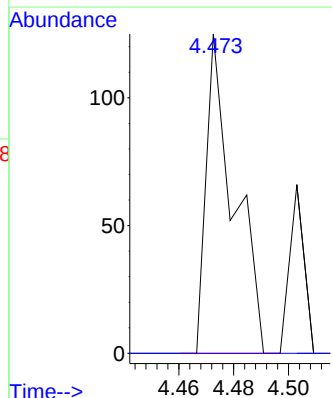
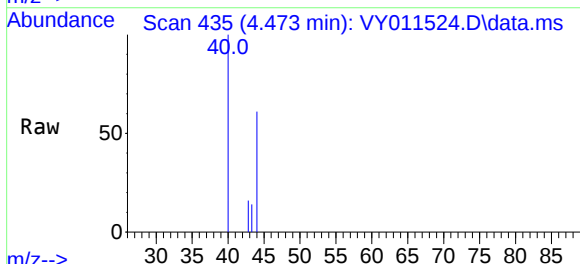
Acq: 21 Nov 2022 15:15

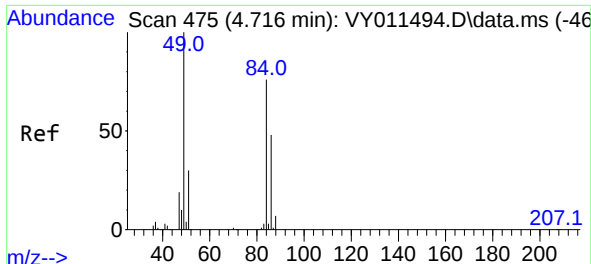
Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

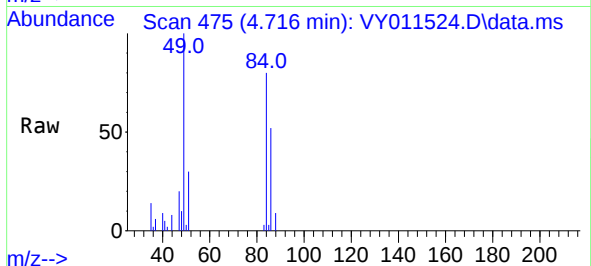
74 0.0 16.6 24.8#





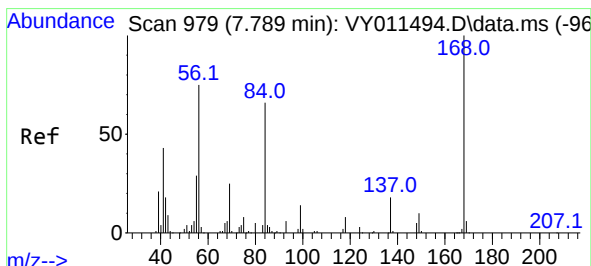
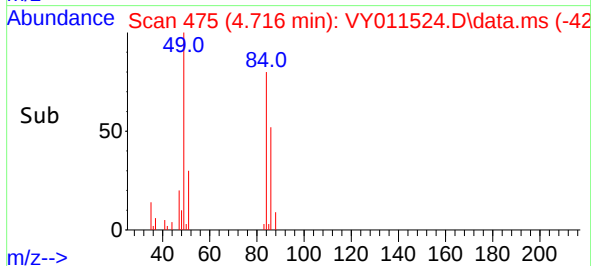
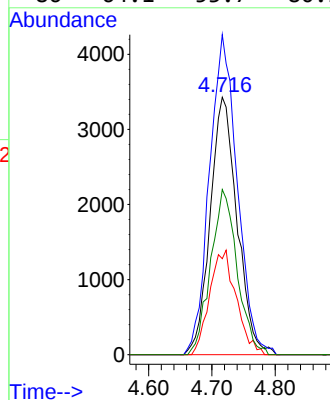
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 10153

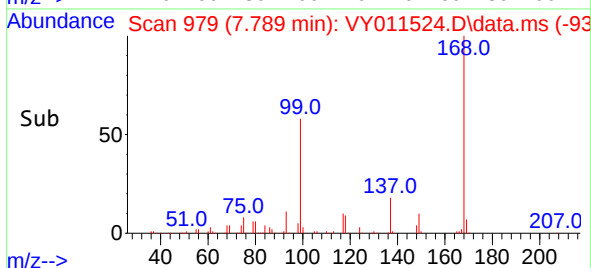
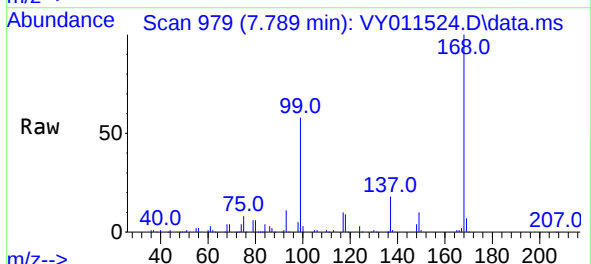
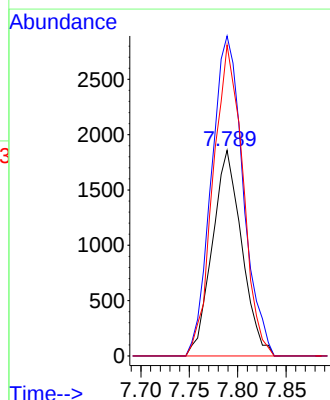
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 124.3 | 114.4 | 171.6 |
| 51  | 37.3  | 35.3  | 52.9  |
| 86  | 64.1  | 53.7  | 80.5  |

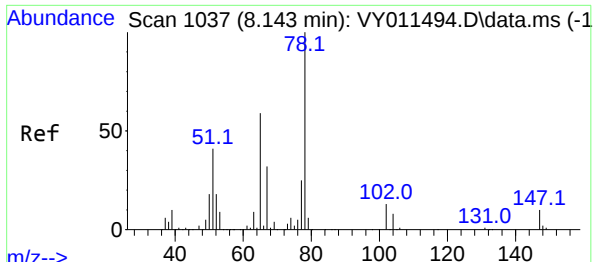


#31  
Cyclohexane  
Concen: 1.304 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Tgt Ion: 56 Resp: 3937

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 155.7 | 26.7  | 40.1#  |
| 84  | 151.2 | 67.2  | 100.8# |

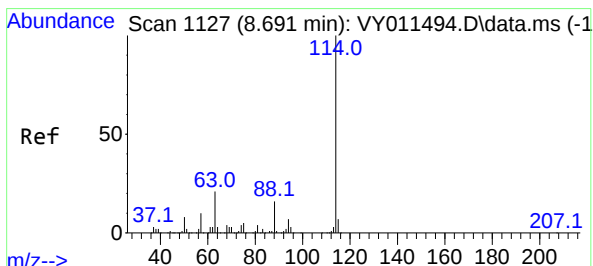
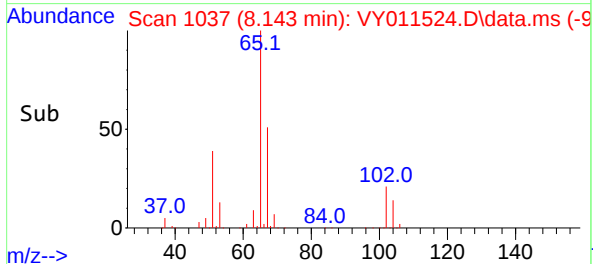
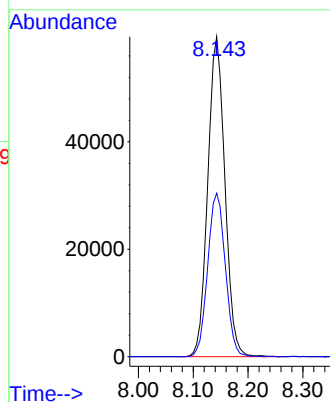
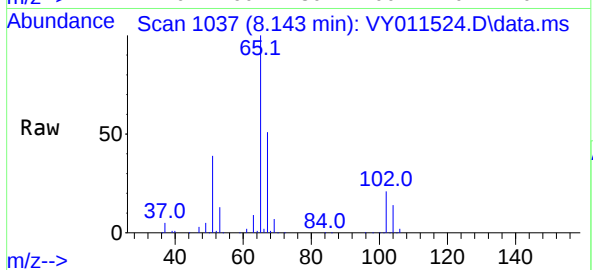




#33  
1,2-Dichloroethane-d4  
Concen: 70.784 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

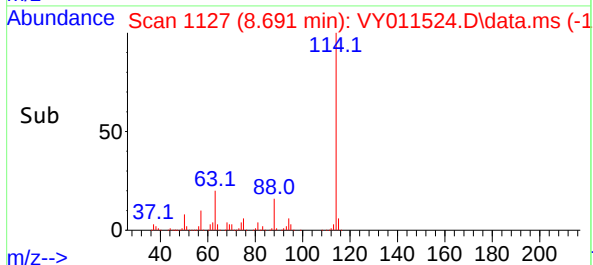
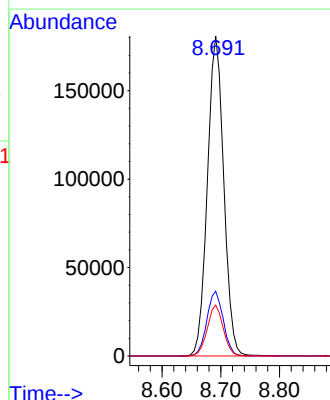
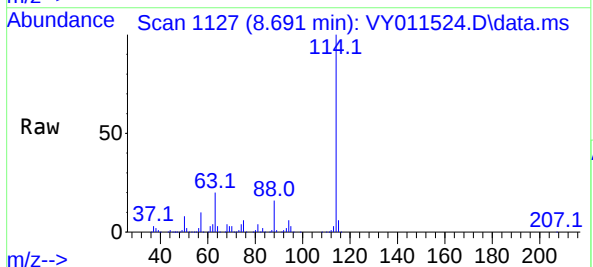
Instrument :  
MSVOA\_Y  
ClientSampleId :

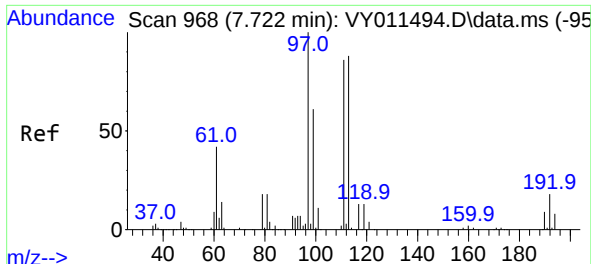
Tgt Ion: 65 Resp: 128897  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

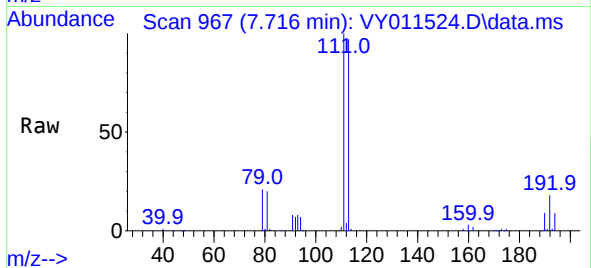
Tgt Ion: 114 Resp: 349079  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 43.2  
88 15.9 0.0 31.8



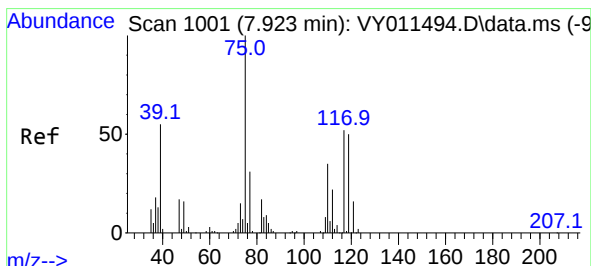
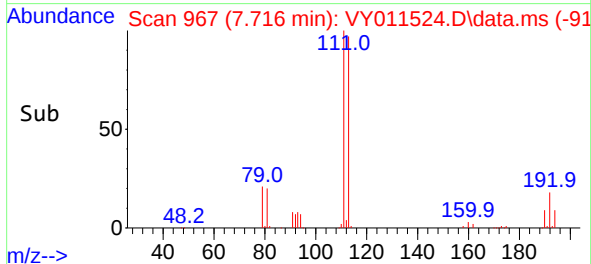
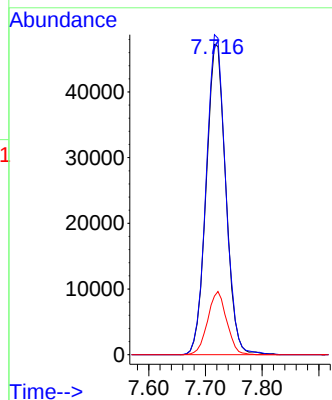


#35  
Dibromofluoromethane  
Concen: 52.641 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

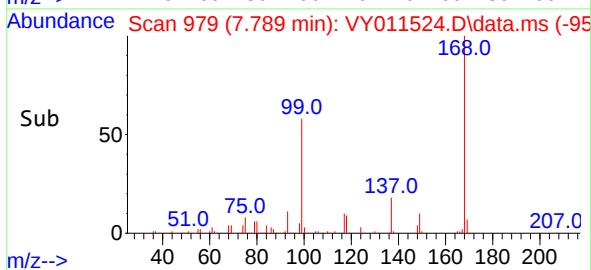
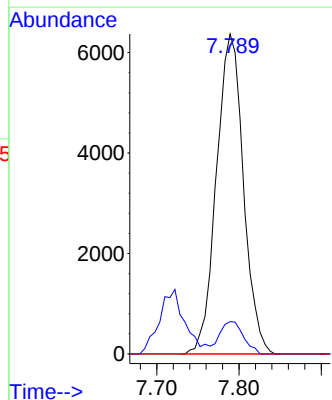
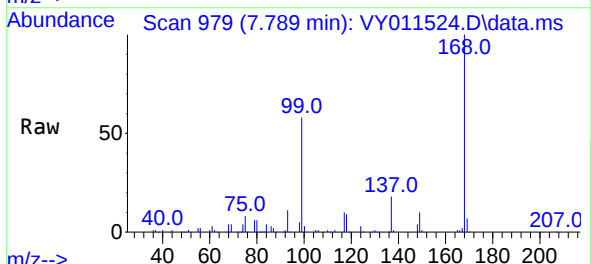


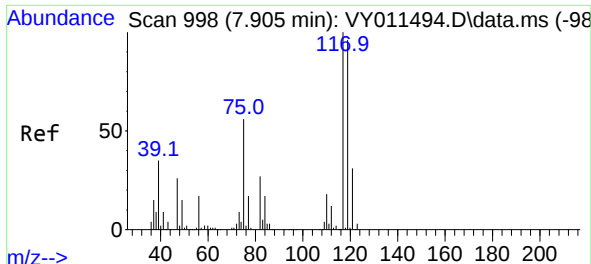
Tgt Ion:113 Resp: 113121  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.6 124.0  
192 19.8 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.329 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

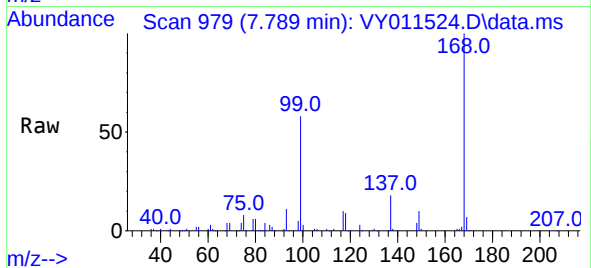
Tgt Ion: 75 Resp: 14542  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.1 51.2#  
77 0.0 24.4 36.6#



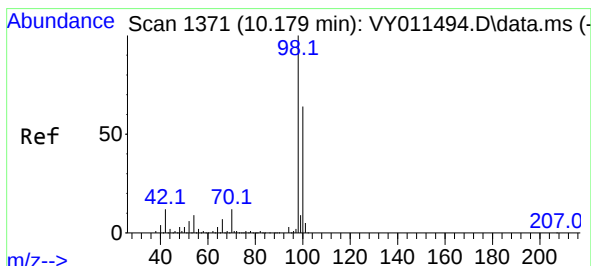
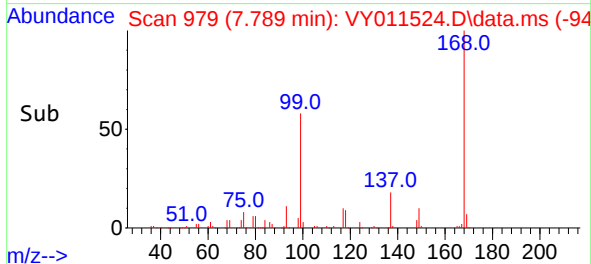
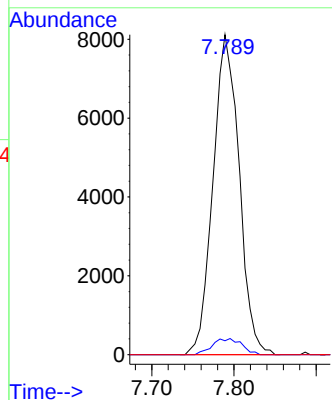


#38  
Carbon Tetrachloride  
Concen: 4.771 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

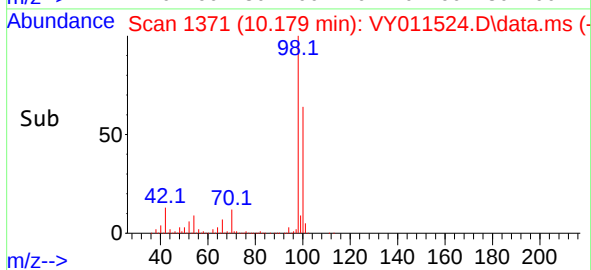
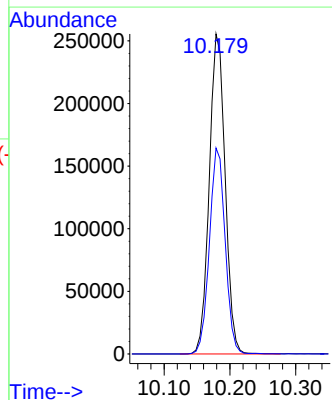
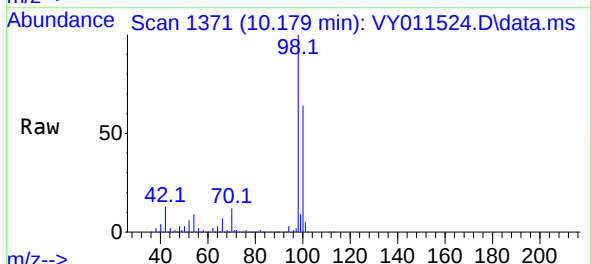


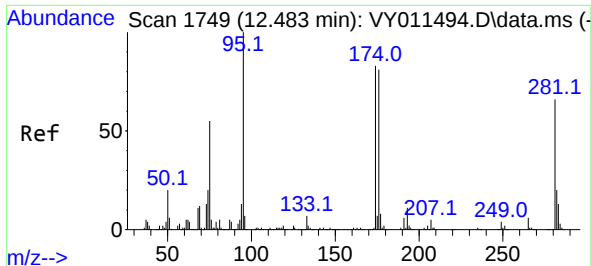
Tgt Ion:117 Resp: 17929  
Ion Ratio Lower Upper  
117 100  
119 4.4 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 54.989 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Tgt Ion: 98 Resp: 429403  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.2 75.2

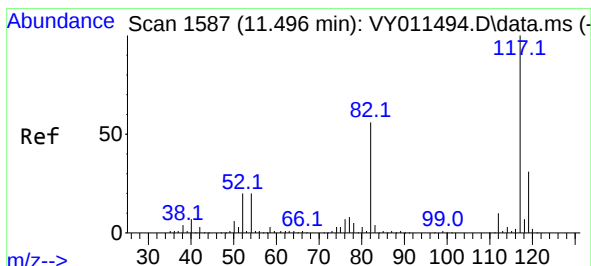
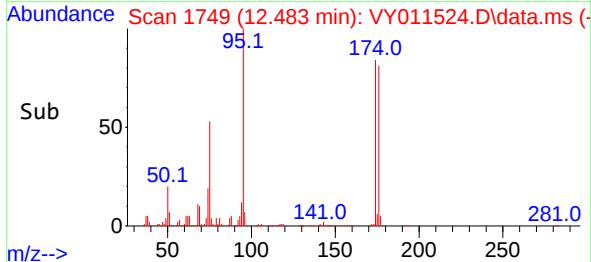
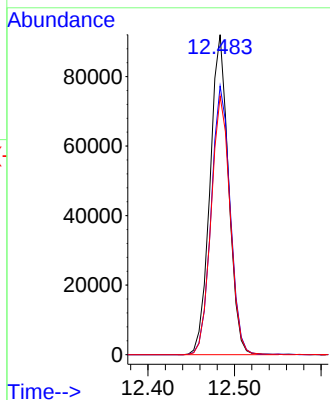
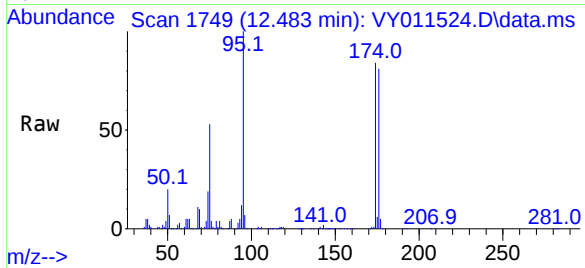




#62  
4-Bromofluorobenzene  
Concen: 47.354 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

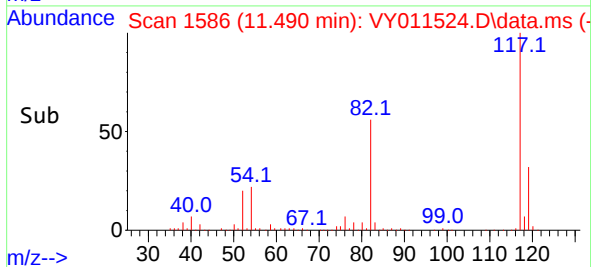
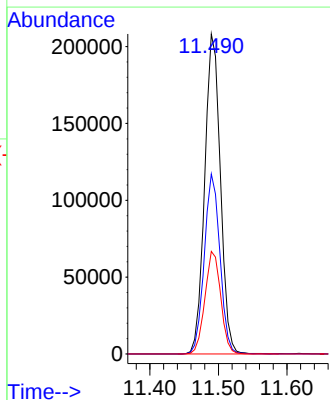
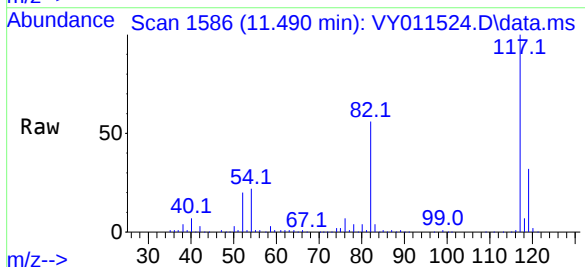
Instrument :  
MSVOA\_Y  
ClientSampleId :

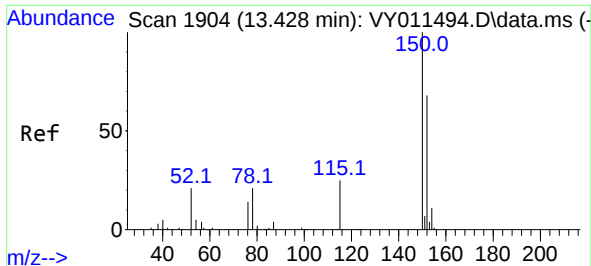
Tgt Ion: 95 Resp: 136720  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 177.0  
176 82.9 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

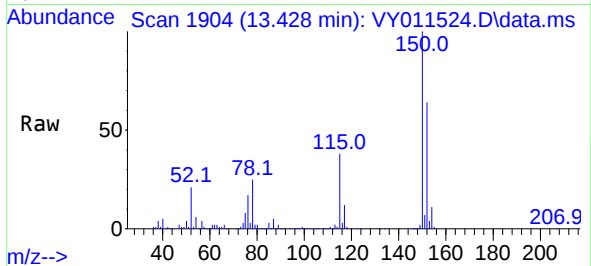
Tgt Ion: 117 Resp: 333477  
Ion Ratio Lower Upper  
117 100  
82 56.3 43.0 64.4  
119 32.1 25.4 38.0



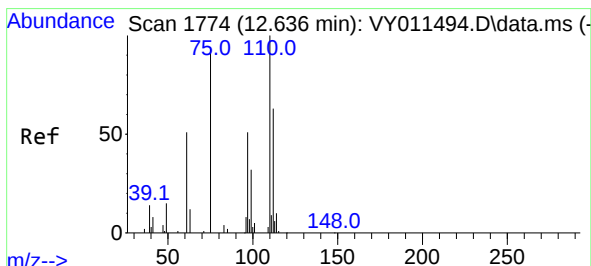
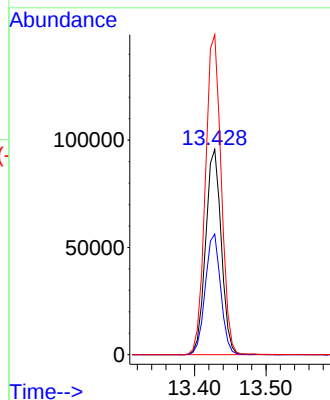
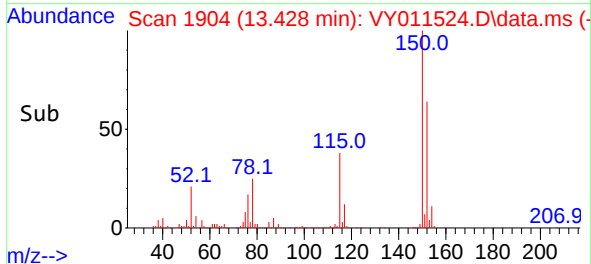


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

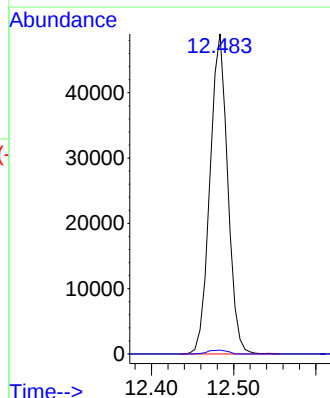
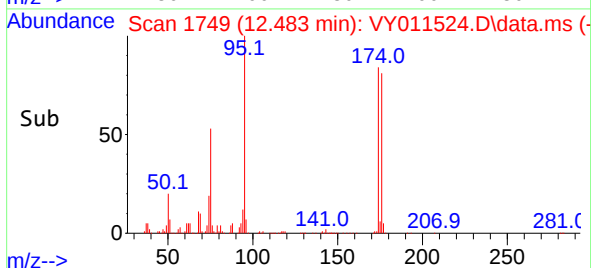
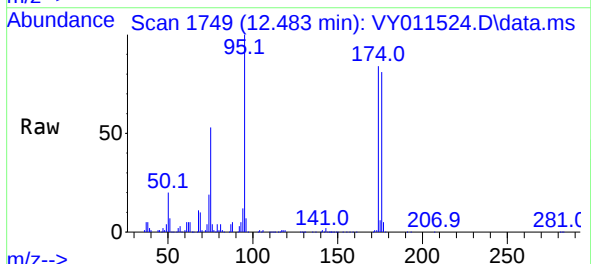


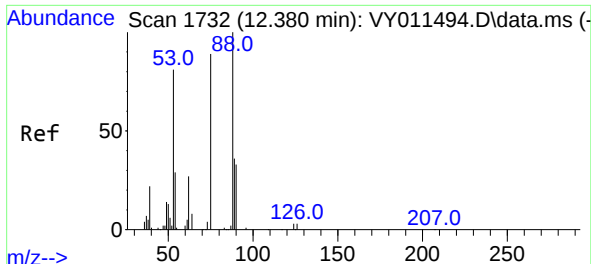
Tgt Ion:152 Resp: 145393  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.2 84.7  
150 157.7 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 46.927 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY011524.D  
Acq: 21 Nov 2022 15:15

Tgt Ion: 75 Resp: 73477  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#

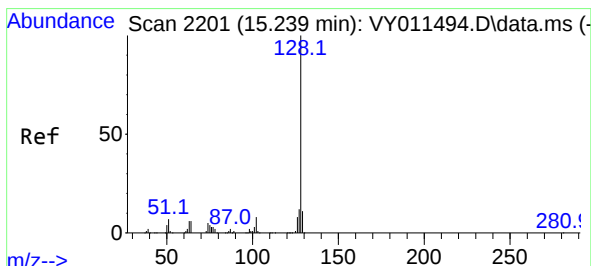
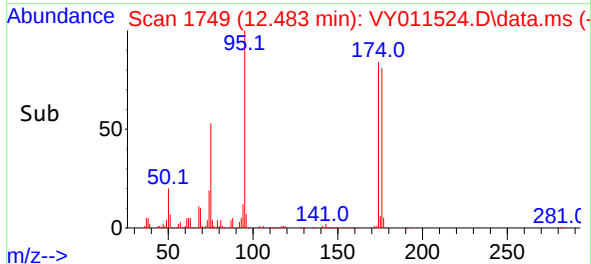
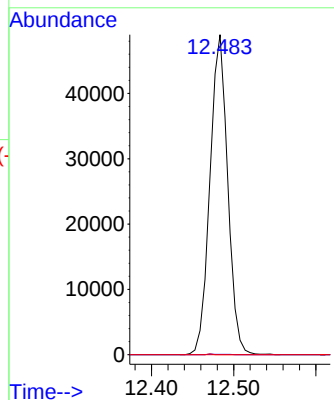
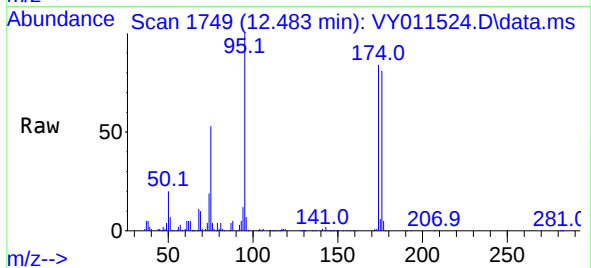




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 102.785 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY011524.D  
 Acq: 21 Nov 2022 15:15

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 75 Resp: 73477  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 85.3 127.9#  
 89 0.1 37.0 55.4#



#95  
 Naphthalene  
 Concen: 4.084 ug/l  
 RT: 15.245 min Scan# 2202  
 Delta R.T. 0.006 min  
 Lab File: VY011524.D  
 Acq: 21 Nov 2022 15:15

Tgt Ion:128 Resp: 357  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 11.0 16.4#  
 129 0.0 8.4 12.6#

