

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102722\  
 Data File : VY011140.D  
 Acq On : 27 Oct 2022 15:42  
 Operator : KP/MD  
 Sample : N5281-10RE  
 Misc : 3.71g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10

Quant Time: Oct 28 00:47:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

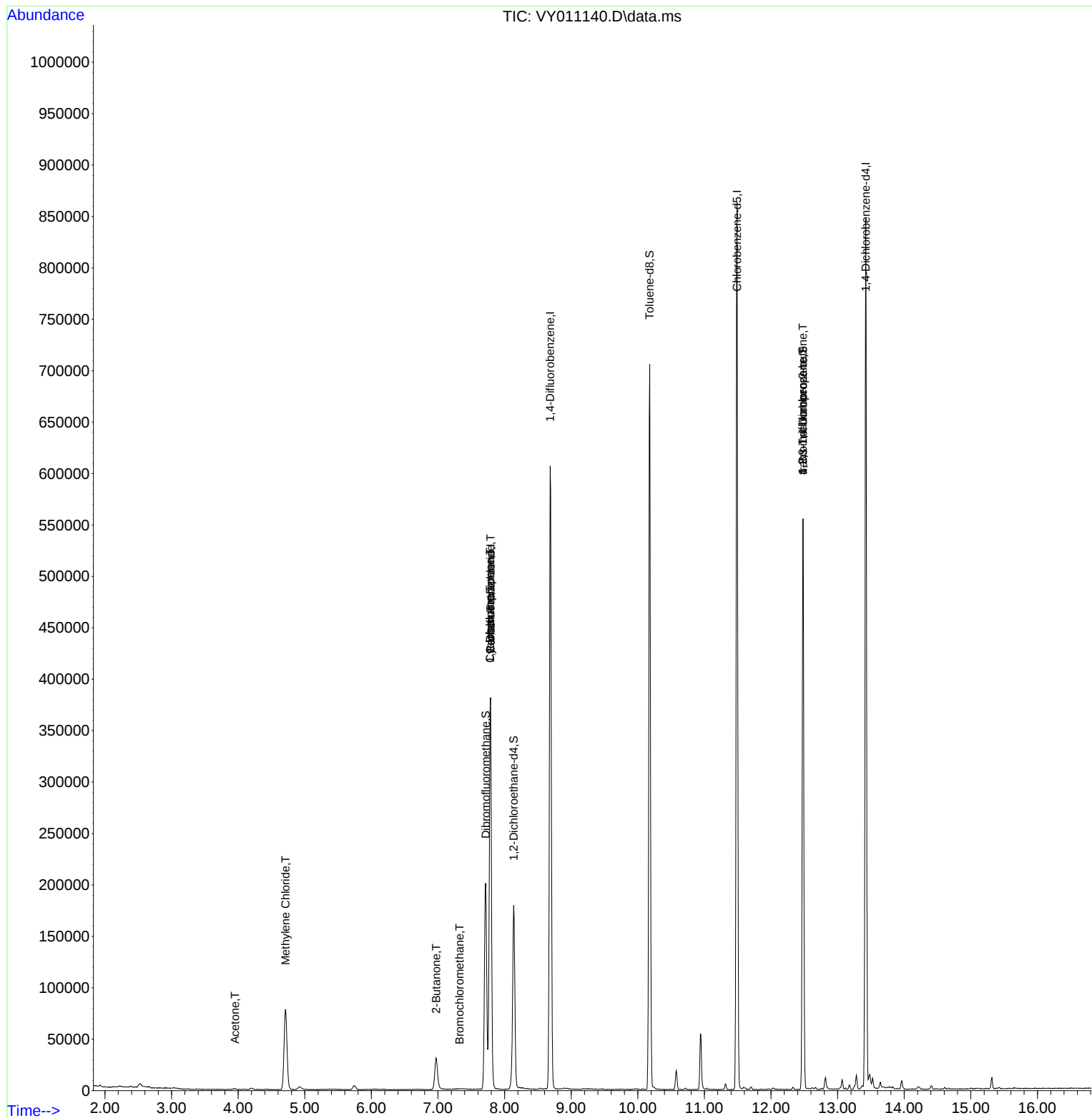
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 298522   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 534428   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 477728   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 220260   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 132511   | 48.189    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 96.380%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 147325   | 49.429    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 98.860%  |
| 50) Toluene-d8                | 10.179 | 98    | 461350   | 41.344    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 82.680%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 173868   | 43.592    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 87.180%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.923  | 59    | 3155     | Below Cal | #      | 77       |
| 16) Acetone                   | 3.954  | 43    | 1803     | 2.258     | ug/l   | 95       |
| 18) Methyl Acetate            | 4.692  | 43    | 97       | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 62608    | 13.362    | ug/l   | 86       |
| 25) 2-Butanone                | 6.972  | 43    | 2503     | 2.067     | ug/l   | 94       |
| 28) Bromochloromethane        | 7.325  | 49    | 20       | 3.530     | ug/l   | # 16     |
| 31) Cyclohexane               | 7.783  | 56    | 5867     | 1.115     | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 23131    | 4.649     | ug/l   | # 50     |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 29278    | 5.701     | ug/l   | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 87116    | 34.837    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 87116    | 74.925    | ug/l   | # 7      |
| -----                         |        |       |          |           |        |          |

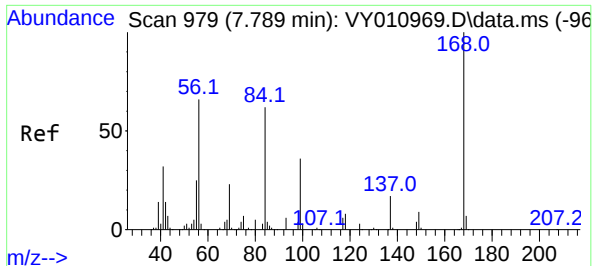
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102722\  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

Quant Time: Oct 28 00:47:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration

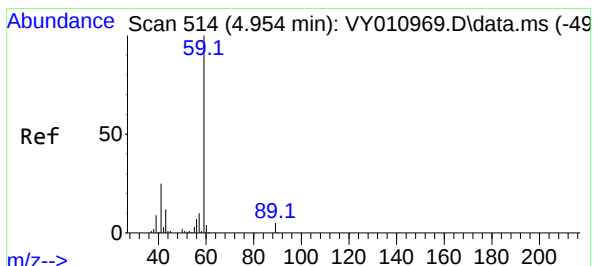
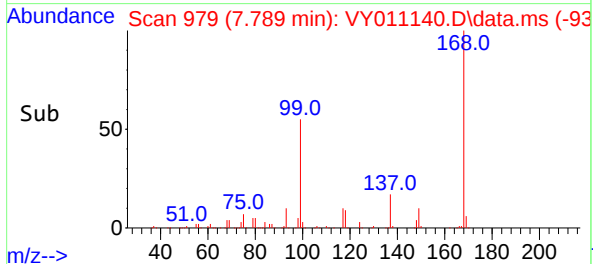
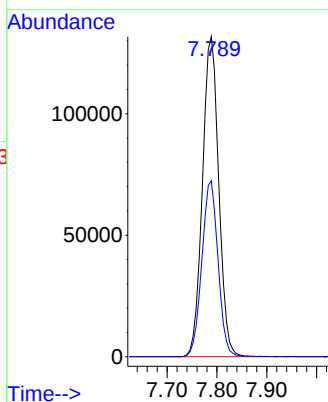
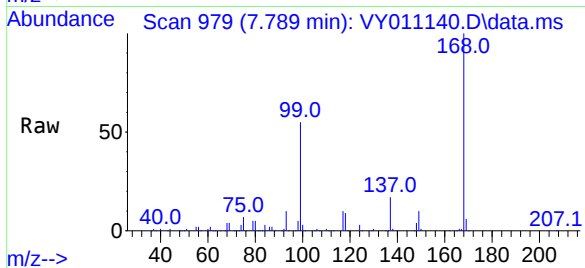




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

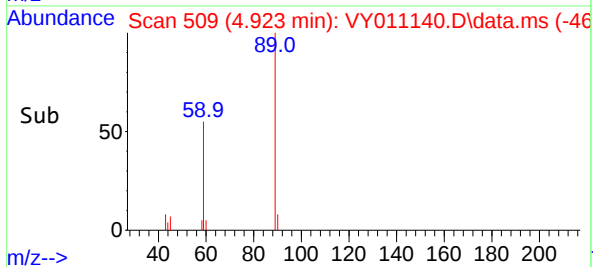
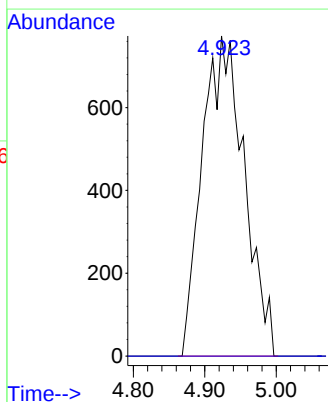
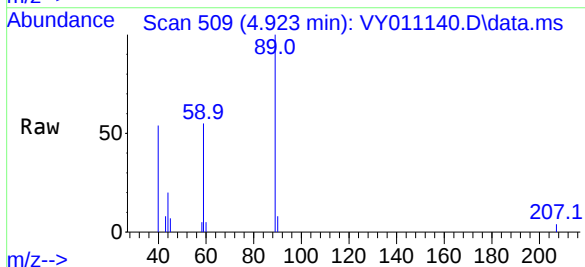
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

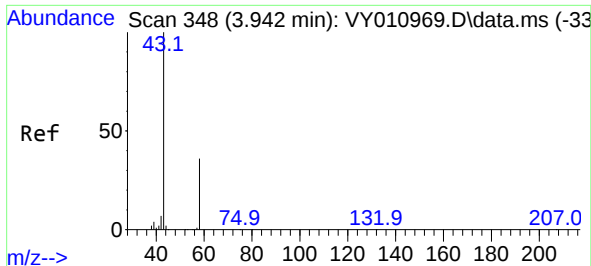
Tgt Ion:168 Resp: 298522  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.923 min Scan# 509  
Delta R.T. -0.031 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Tgt Ion: 59 Resp: 3155  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

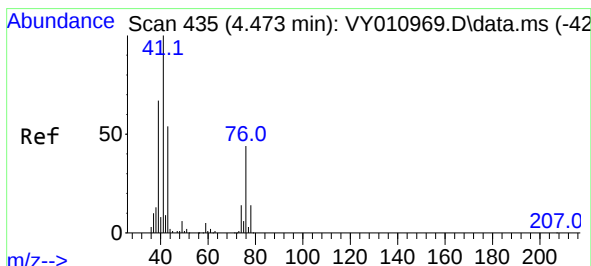
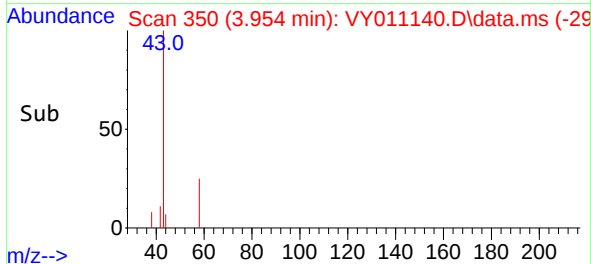
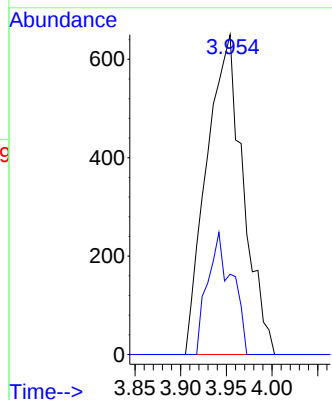
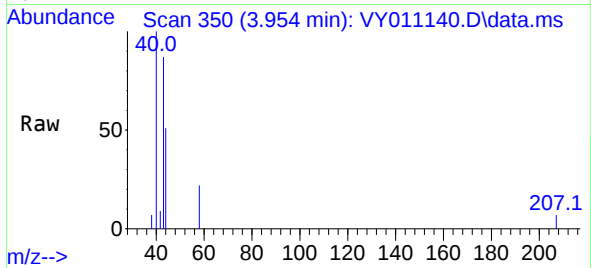




#16  
Acetone  
Concen: 2.258 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

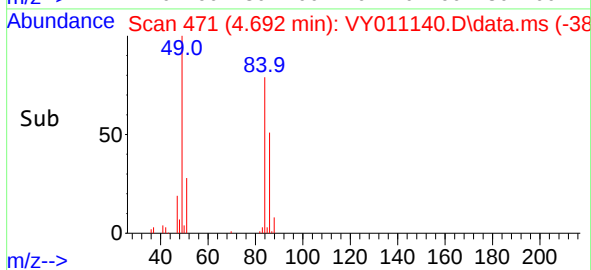
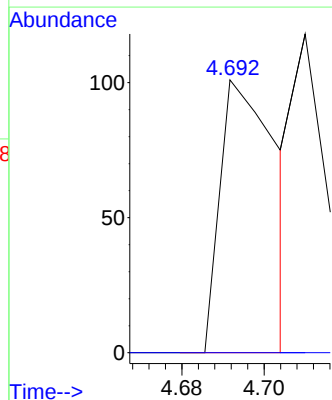
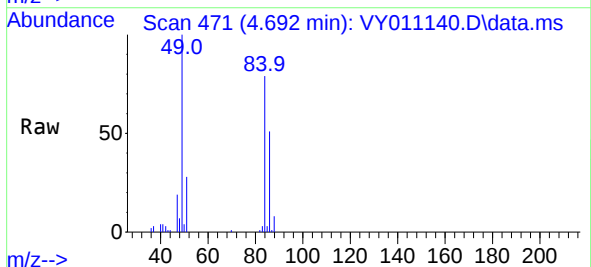
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

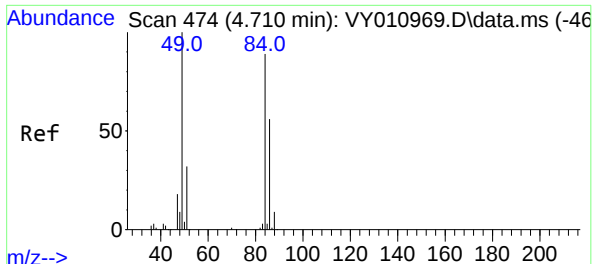
Tgt Ion: 43 Resp: 1803  
Ion Ratio Lower Upper  
43 100  
58 25.1 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.692 min Scan# 471  
Delta R.T. 0.219 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Tgt Ion: 43 Resp: 97  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



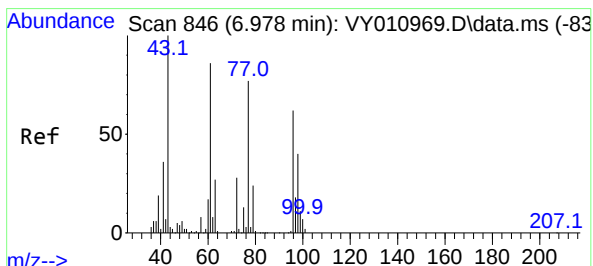
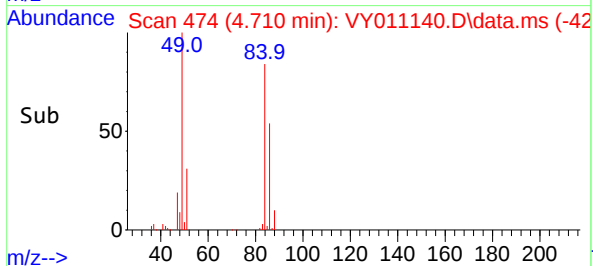
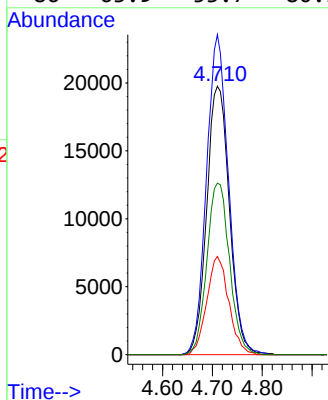
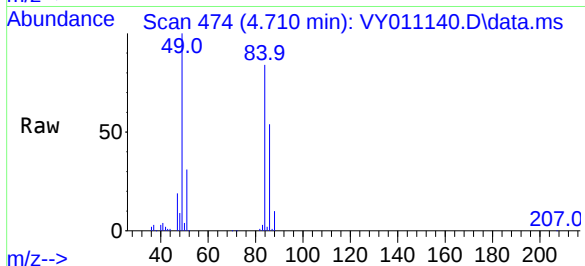


#20  
Methylene Chloride  
Concen: 13.362 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

Tgt Ion: 84 Resp: 62608

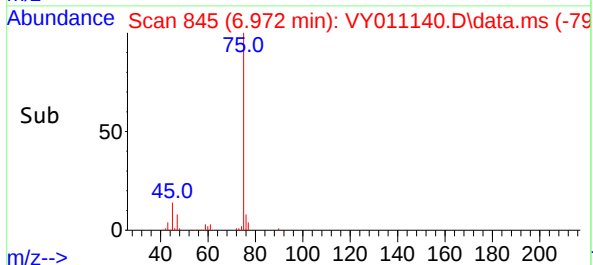
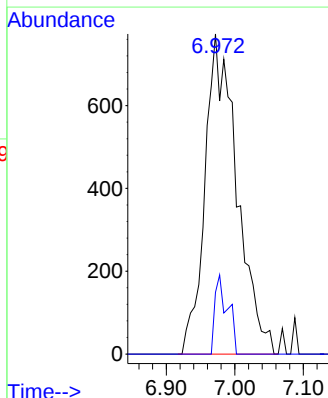
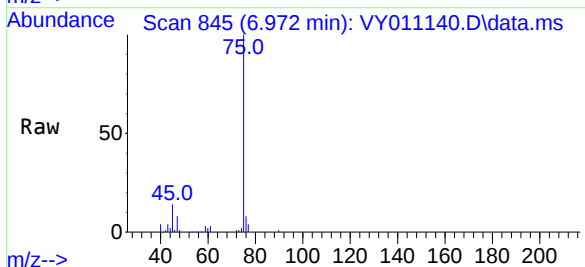
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 119.2 | 114.4 | 171.6 |
| 51  | 36.6  | 35.3  | 52.9  |
| 86  | 63.9  | 53.7  | 80.5  |

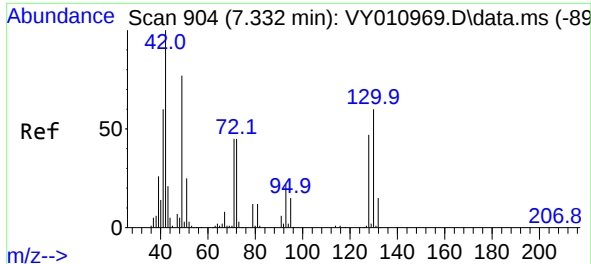


#25  
2-Butanone  
Concen: 2.067 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Tgt Ion: 43 Resp: 2503

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 19.3  | 17.7  | 26.5  |





#28

Bromochloromethane

Concen: 3.530 ug/l

RT: 7.325 min Scan# 904

Delta R.T. -0.007 min

Lab File: VY011140.D

Acq: 27 Oct 2022 15:42

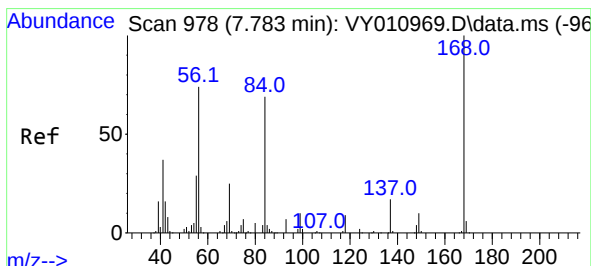
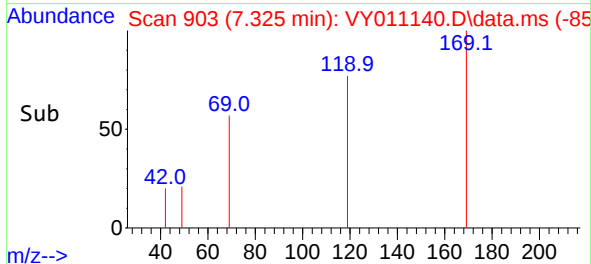
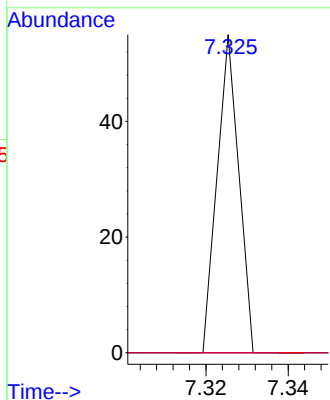
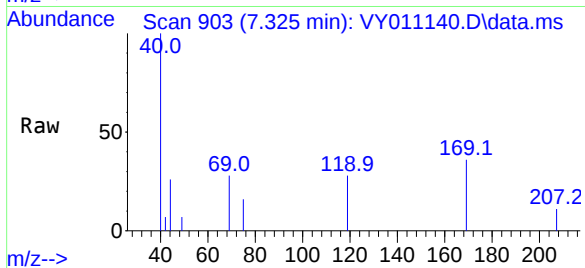
Instrument :

MSVOA\_Y

ClientSampleId :

SB-10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 20    |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.0   | 0.0   | 2.2   |
| 130      | 0.0   | 55.4  | 83.0# |



#31

Cyclohexane

Concen: 1.115 ug/l

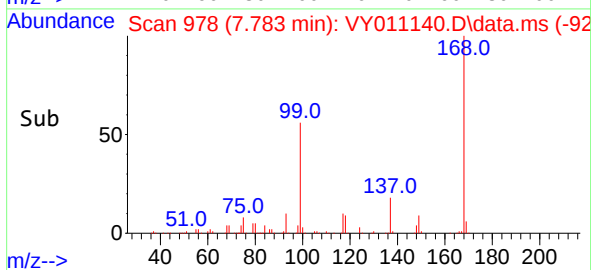
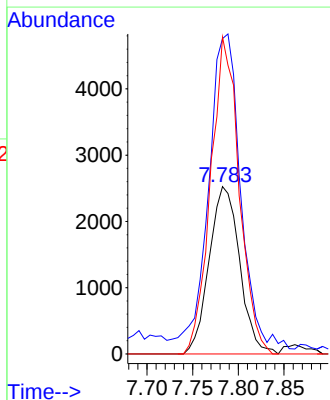
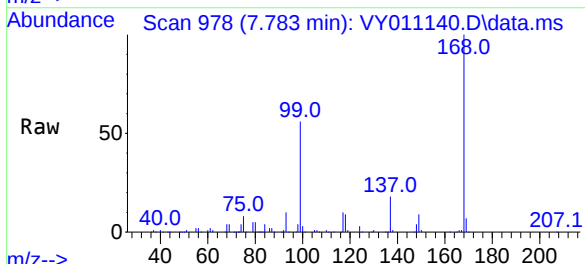
RT: 7.783 min Scan# 978

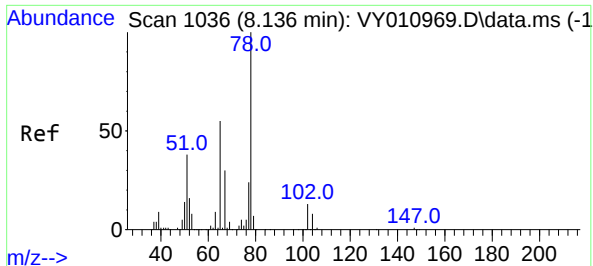
Delta R.T. -0.000 min

Lab File: VY011140.D

Acq: 27 Oct 2022 15:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5867   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 182.2 | 26.7  | 40.1#  |
| 84       | 189.4 | 67.2  | 100.8# |





#33

1,2-Dichloroethane-d4

Concen: 48.189 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011140.D

Acq: 27 Oct 2022 15:42

Instrument :

MSVOA\_Y

ClientSampleId :

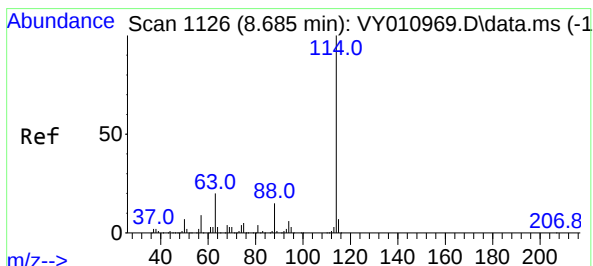
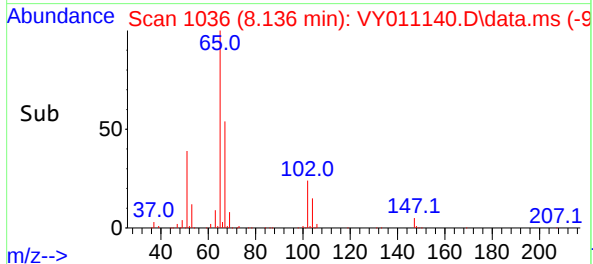
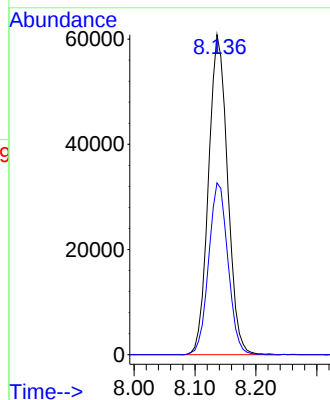
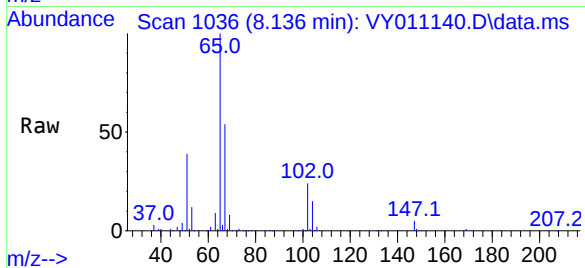
SB-10

Tgt Ion: 65 Resp: 132511

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011140.D

Acq: 27 Oct 2022 15:42

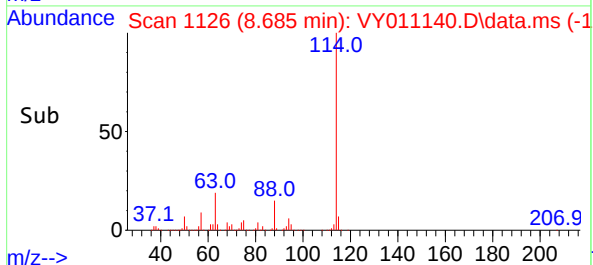
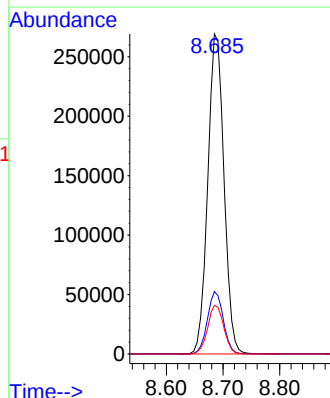
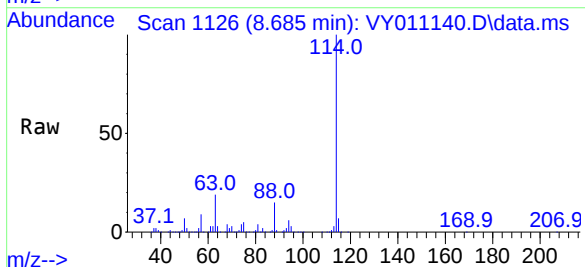
Tgt Ion: 114 Resp: 534428

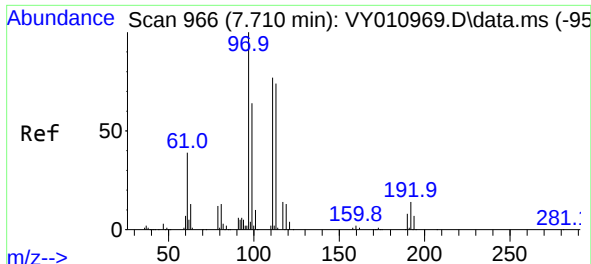
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.2 0.0 31.8

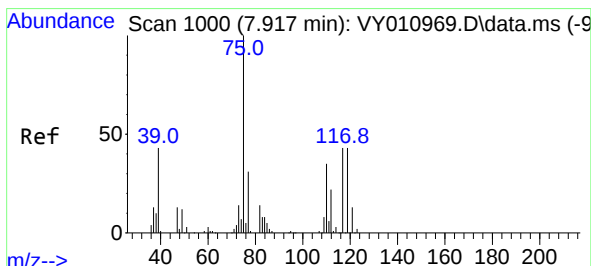
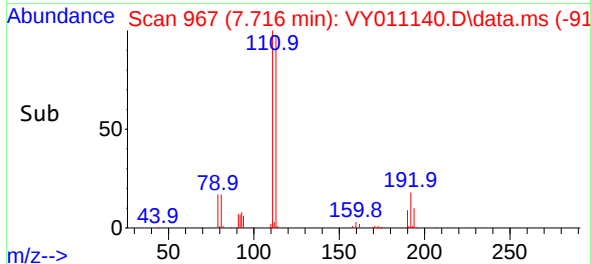
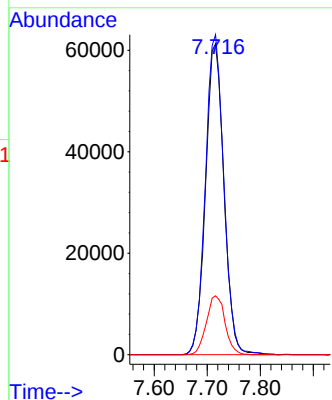
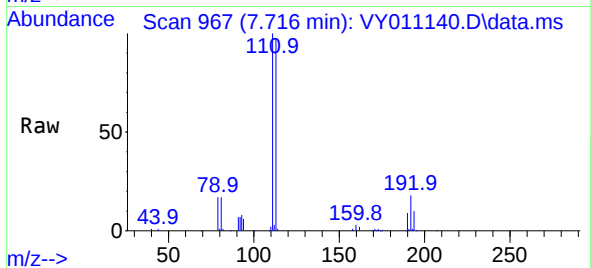




#35  
Dibromofluoromethane  
Concen: 49.429 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

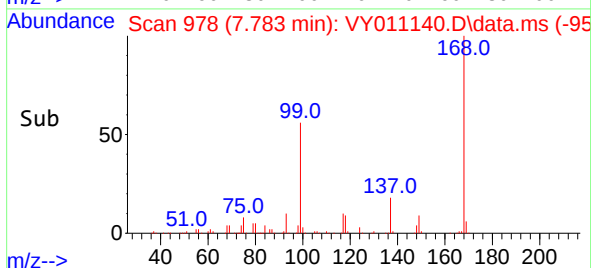
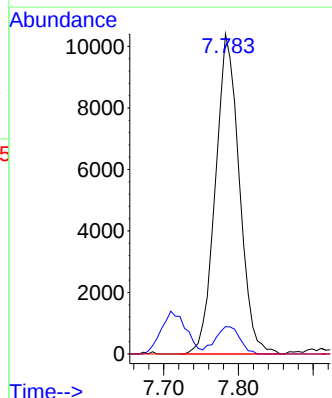
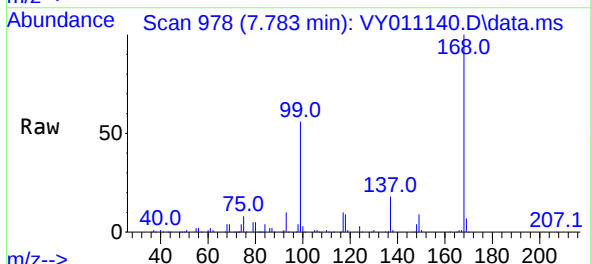
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

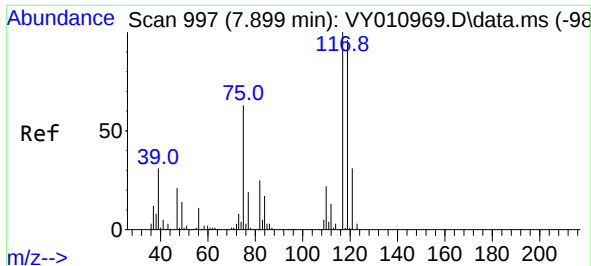
Tgt Ion:113 Resp: 147325  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 124.0  
192 19.3 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.649 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Tgt Ion: 75 Resp: 23131  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.1 51.2#  
77 0.0 24.4 36.6#

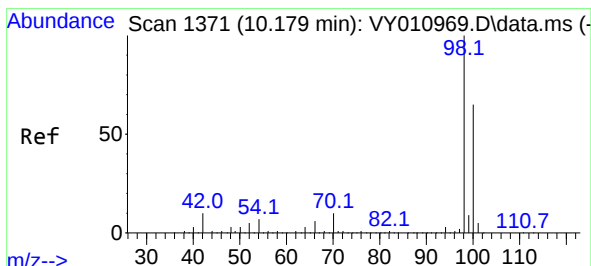
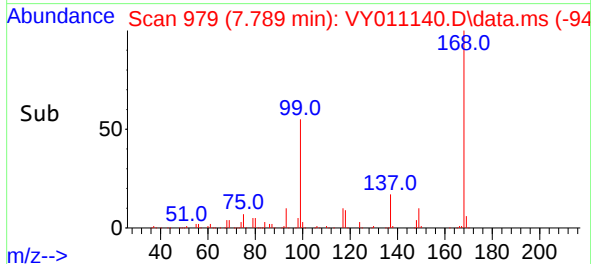
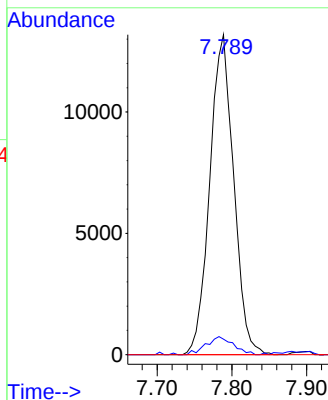
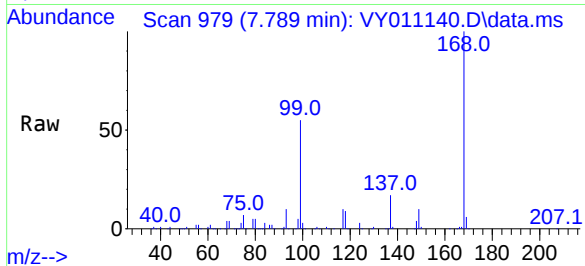




#38  
Carbon Tetrachloride  
Concen: 5.701 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

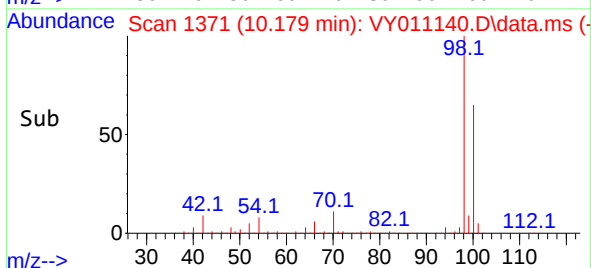
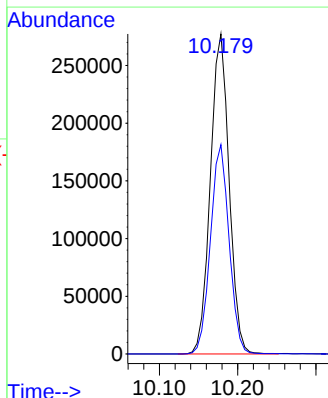
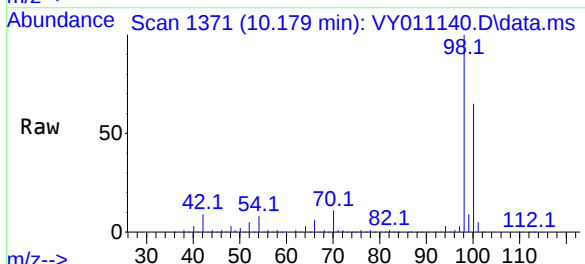
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

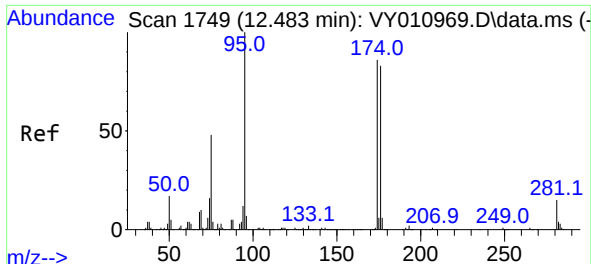
Tgt Ion:117 Resp: 29278  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 41.344 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Tgt Ion: 98 Resp: 461350  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2

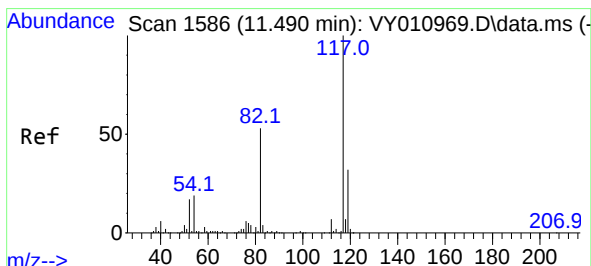
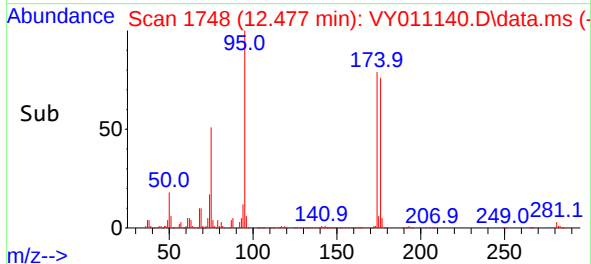
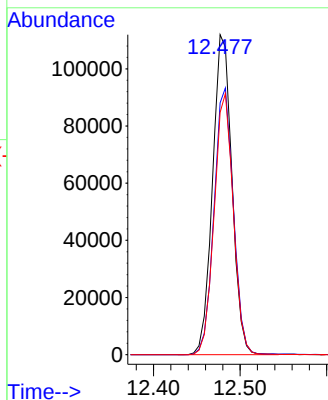
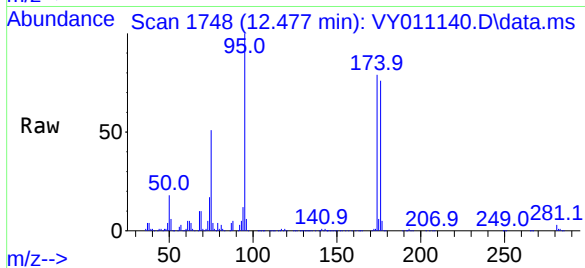




#62  
4-Bromofluorobenzene  
Concen: 43.592 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

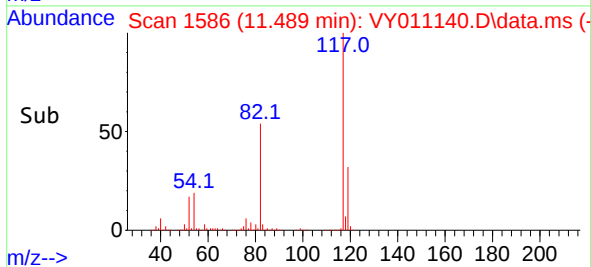
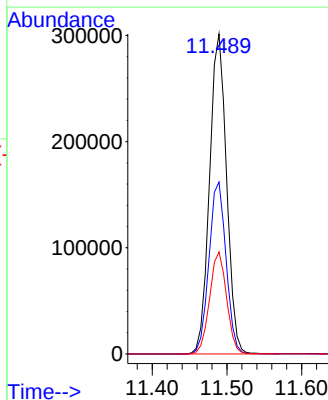
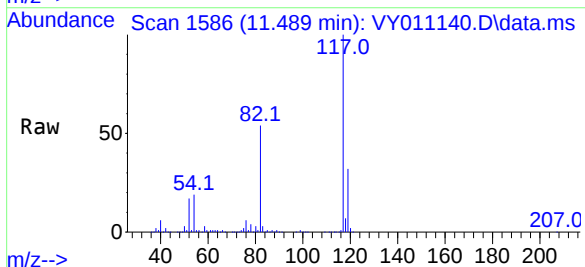
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

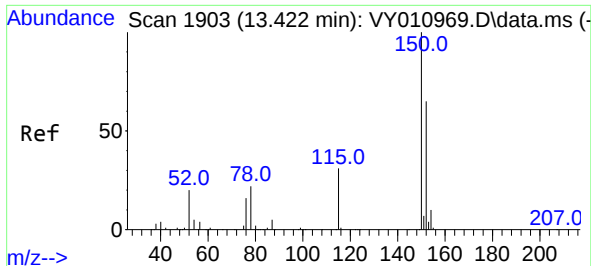
Tgt Ion: 95 Resp: 173868  
Ion Ratio Lower Upper  
95 100  
174 83.3 0.0 177.0  
176 80.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Tgt Ion: 117 Resp: 477728  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.0 64.4  
119 31.9 25.4 38.0

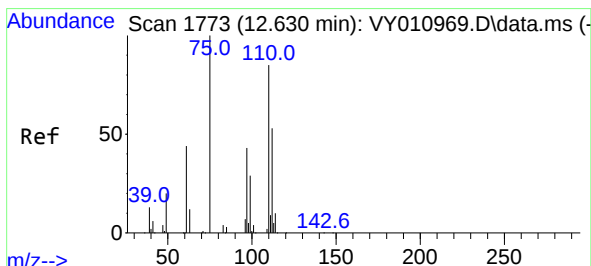
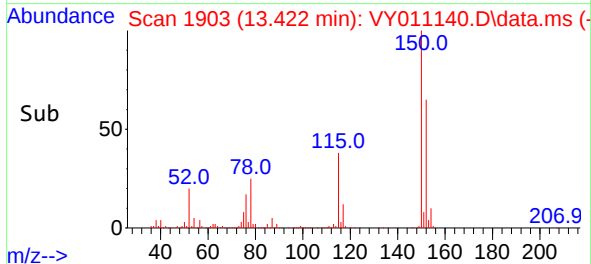
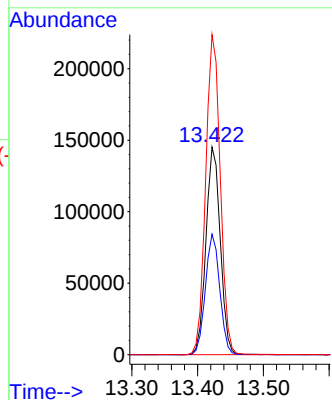
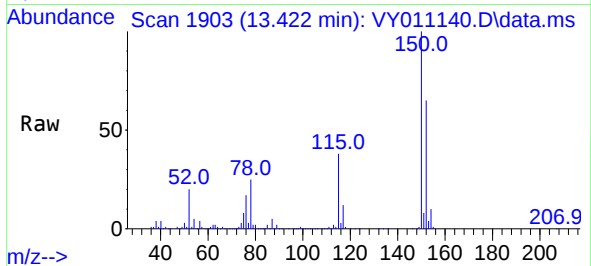




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY011140.D  
 Acq: 27 Oct 2022 15:42

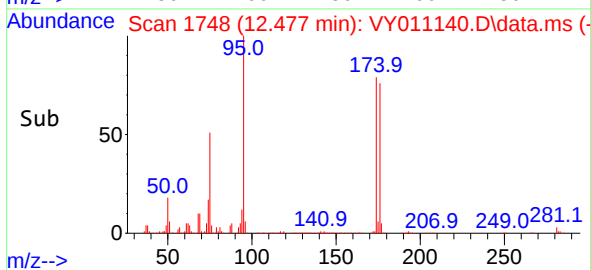
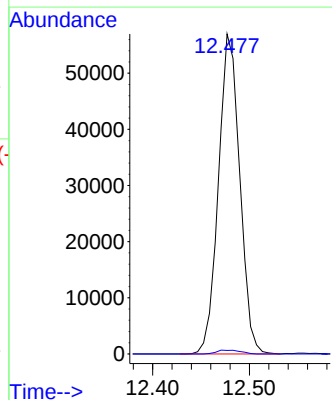
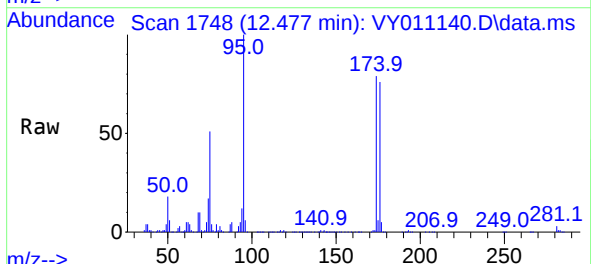
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10

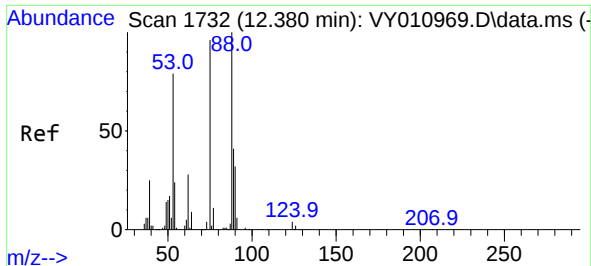
Tgt Ion:152 Resp: 220260  
 Ion Ratio Lower Upper  
 152 100  
 115 58.2 28.2 84.7  
 150 156.9 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 34.837 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY011140.D  
 Acq: 27 Oct 2022 15:42

Tgt Ion: 75 Resp: 87116  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.925 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011140.D  
Acq: 27 Oct 2022 15:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10

Tgt Ion: 75 Resp: 87116  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.0 37.0 55.4#

