

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110122\  
 Data File : VY011241.D  
 Acq On : 02 Nov 2022 00:00  
 Operator : KP/MD  
 Sample : N5336-02  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-01-16.5-17.0

Quant Time: Nov 02 01:45:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

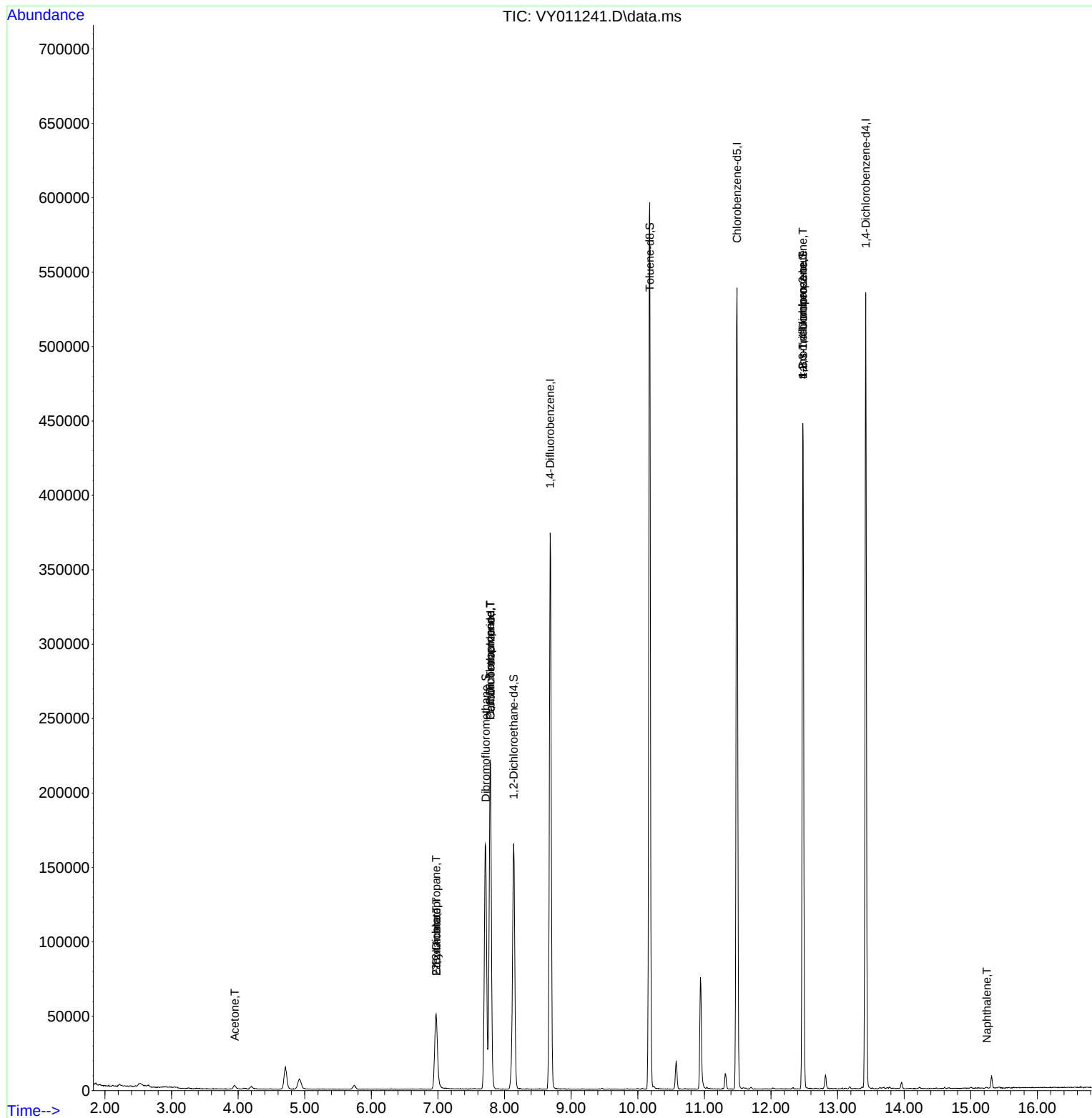
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 176661   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 328563   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 309717   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 136015   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.137     | 65    | 123911   | 65.582    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 131.160% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 123177   | 58.350    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 116.700% |          |
| 50) Toluene-d8                | 10.179    | 98    | 406489   | 49.595    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 99.200%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 142530   | 50.092    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 100.180% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.900     | 85    | 22       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.918     | 59    | 7126     | Below Cal | #          | 77       |
| 16) Acetone                   | 3.948     | 43    | 4657     | 8.165     | ug/l       | 90       |
| 20) Methylene Chloride        | 4.710     | 84    | 11318    | Below Cal |            | 86       |
| 25) 2-Butanone                | 6.978     | 43    | 3082     | 3.841     | ug/l #     | 86       |
| 26) 2,2-Dichloropropane       | 6.972     | 77    | 4012     | 1.161     | ug/l #     | 55       |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 13147    | 3.814     | ug/l #     | 50       |
| 37) Ethyl Acetate             | 6.978     | 43    | 3082     | 1.658     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 17416    | 4.870     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 68914    | 41.618    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 68914    | 89.068    | ug/l #     | 7        |
| 95) Naphthalene               | 15.239    | 128   | 838      | 4.096     | ug/l #     | 69       |
| -----                         |           |       |          |           |            |          |

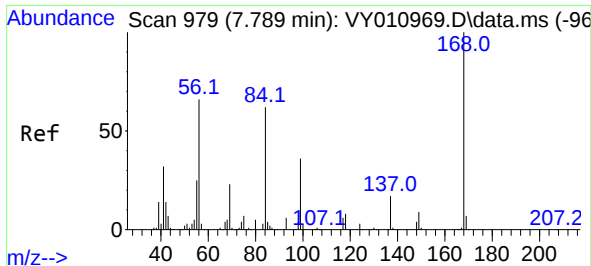
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 01 11:56:18 2022  
Response via : Initial Calibration

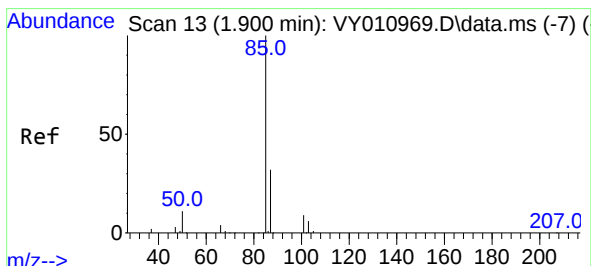
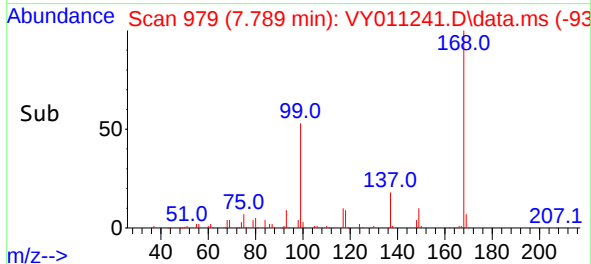
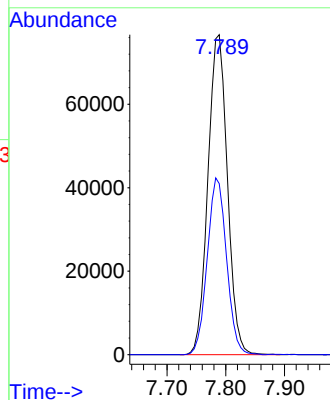
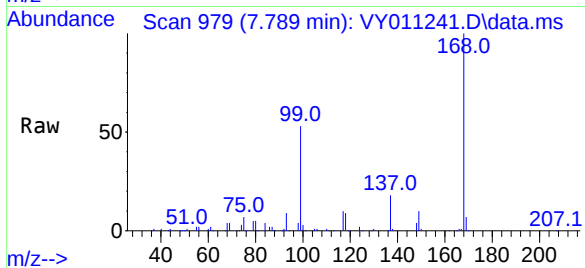




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

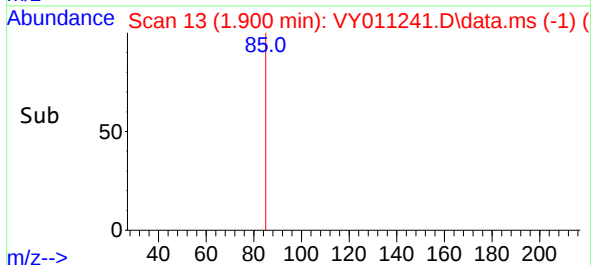
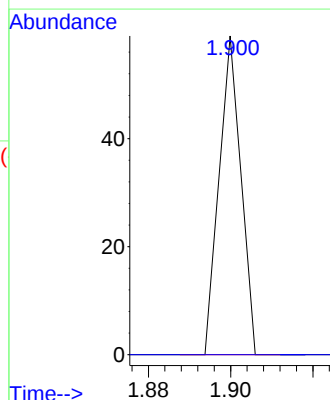
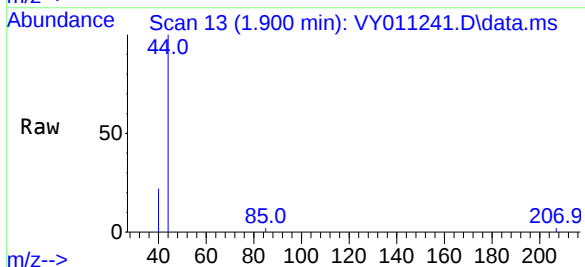
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-16.5-17.0

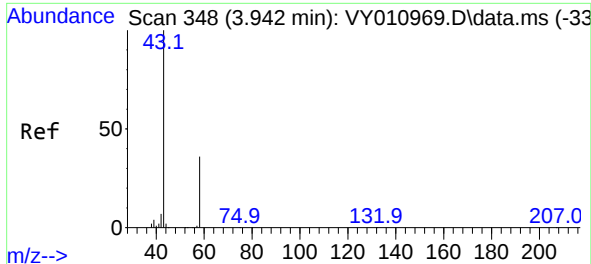
Tgt Ion:168 Resp: 176661  
Ion Ratio Lower Upper  
168 100  
99 53.4 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Tgt Ion: 85 Resp: 22  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#





#16

Acetone

Concen: 8.165 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY011241.D

Acq: 02 Nov 2022 00:00

Instrument :

MSVOA\_Y

ClientSampleId :

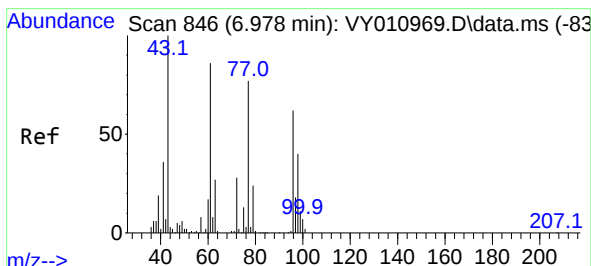
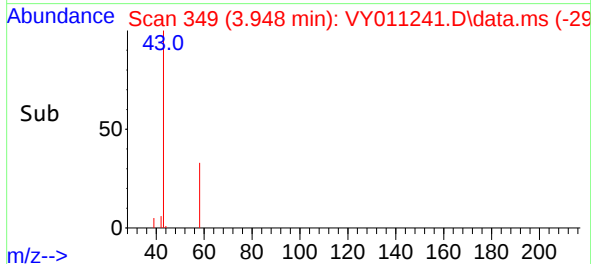
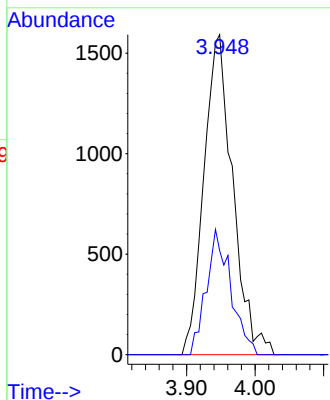
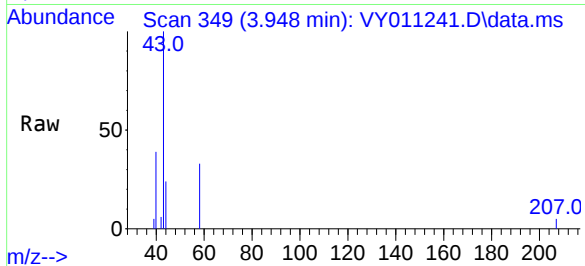
SB-01-16.5-17.0

Tgt Ion: 43 Resp: 4657

Ion Ratio Lower Upper

43 100

58 32.5 22.0 33.0



#25

2-Butanone

Concen: 3.841 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY011241.D

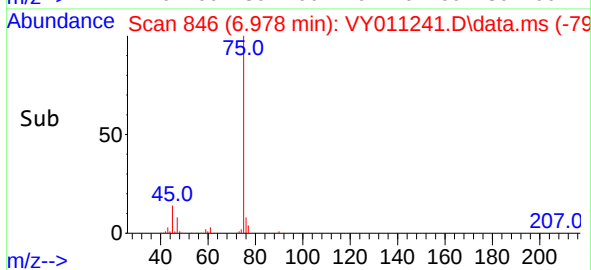
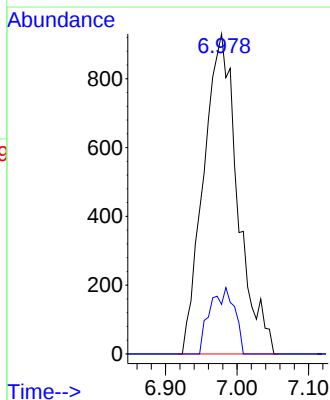
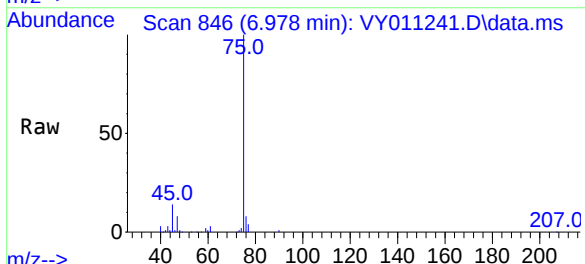
Acq: 02 Nov 2022 00:00

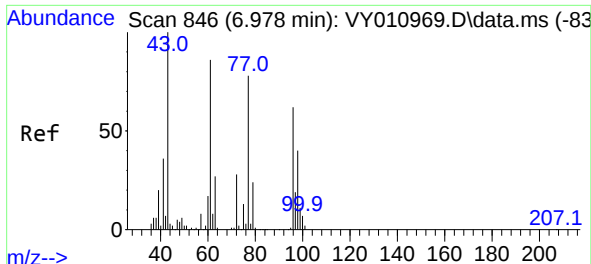
Tgt Ion: 43 Resp: 3082

Ion Ratio Lower Upper

43 100

72 15.5 17.7 26.5#

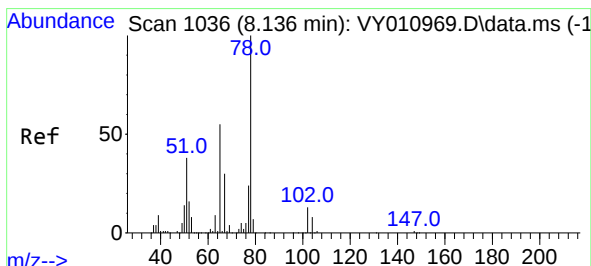
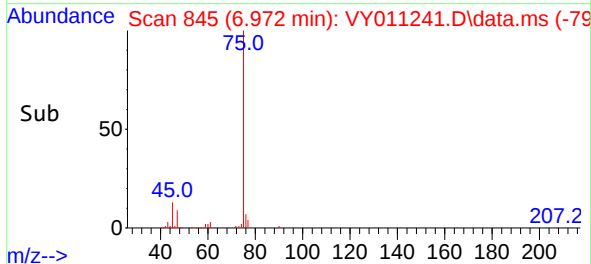
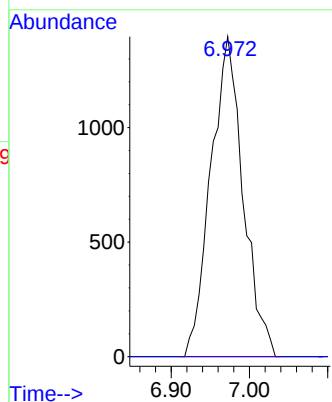
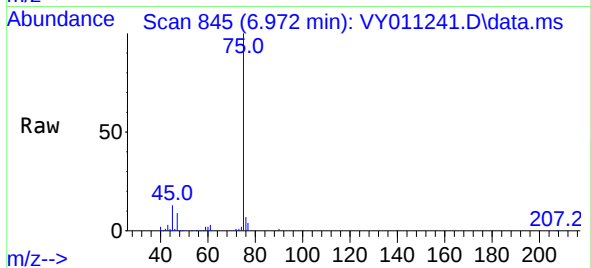




#26  
2,2-Dichloropropane  
Concen: 1.161 ug/l  
RT: 6.972 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

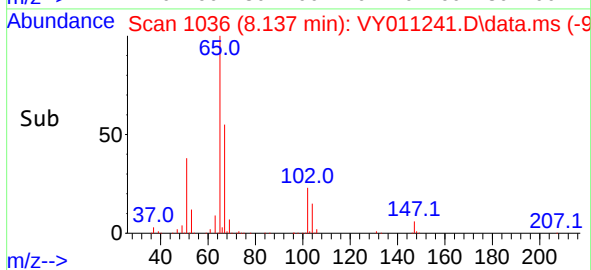
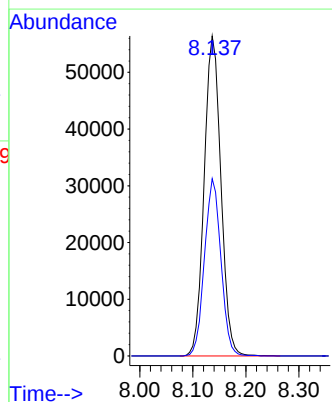
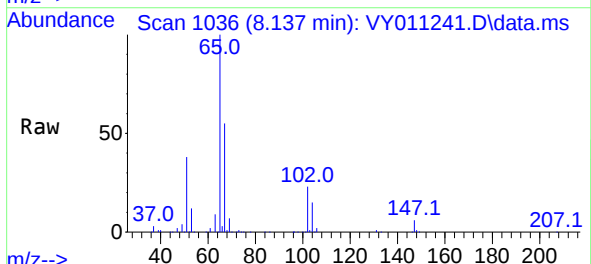
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-16.5-17.0

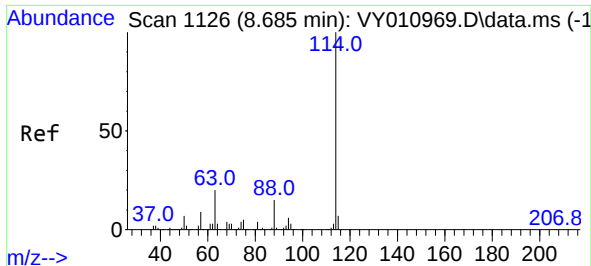
Tgt Ion: 77 Resp: 4012  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#



#33  
1,2-Dichloroethane-d4  
Concen: 65.582 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.001 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Tgt Ion: 65 Resp: 123911  
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: VY011241.D

Acq: 02 Nov 2022 00:00

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01-16.5-17.0

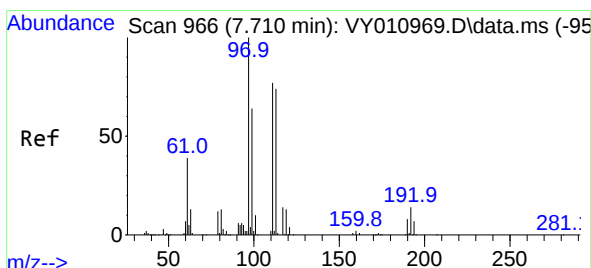
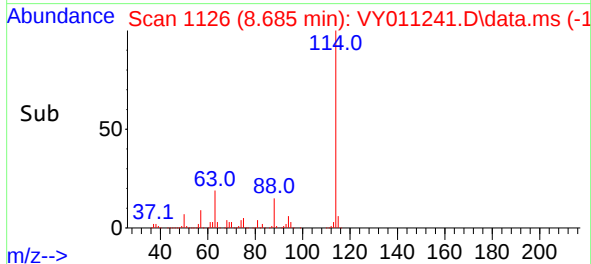
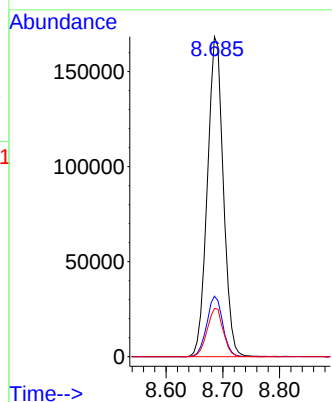
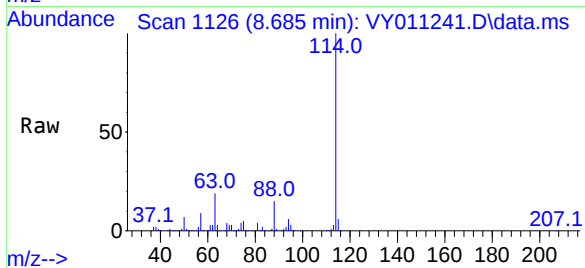
Tgt Ion:114 Resp: 328563

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.350 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011241.D

Acq: 02 Nov 2022 00:00

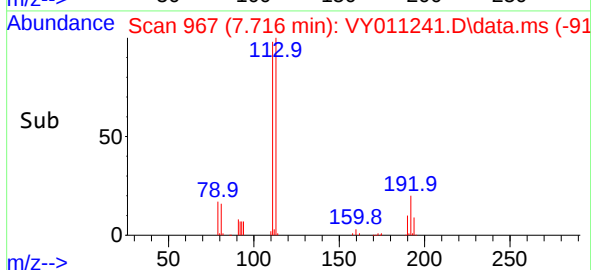
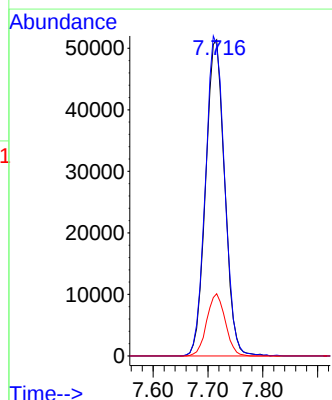
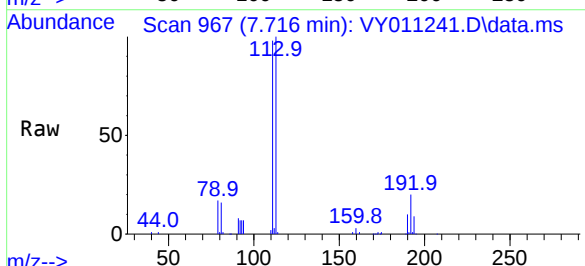
Tgt Ion:113 Resp: 123177

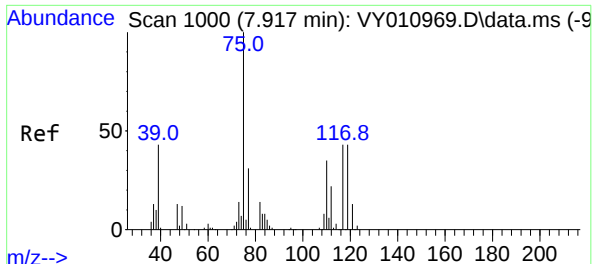
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.814 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011241.D

Acq: 02 Nov 2022 00:00

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ClientSampleId :

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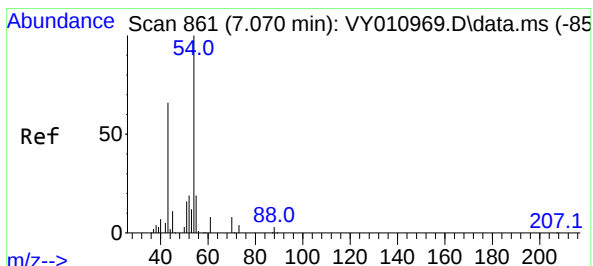
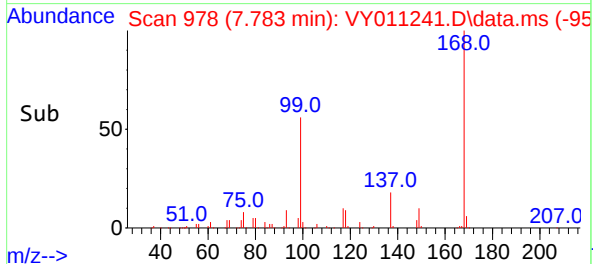
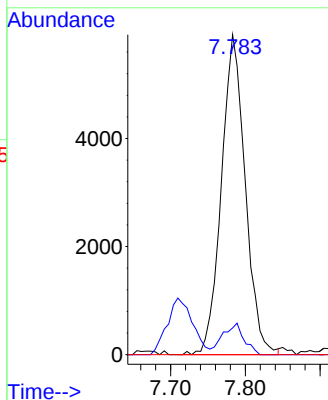
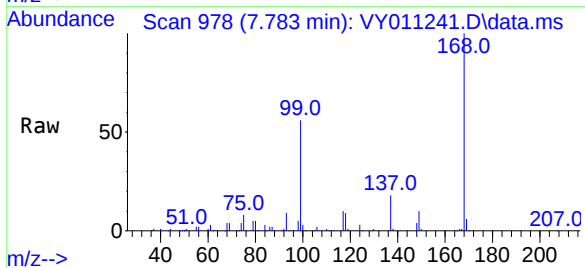
Tgt Ion: 75 Resp: 13147

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.658 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011241.D

Acq: 02 Nov 2022 00:00

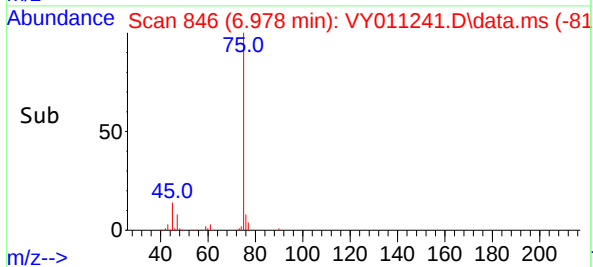
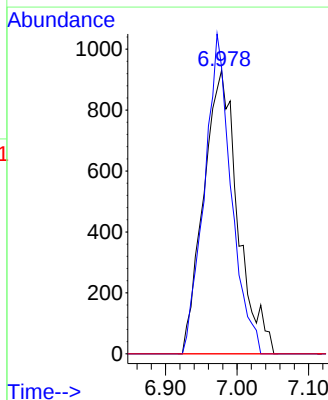
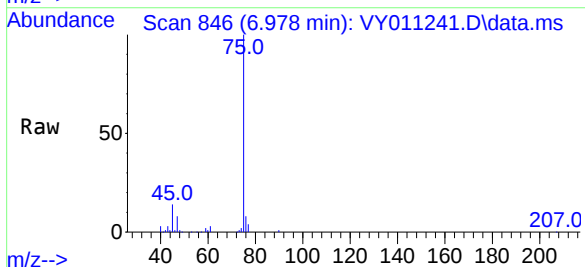
Tgt Ion: 43 Resp: 3082

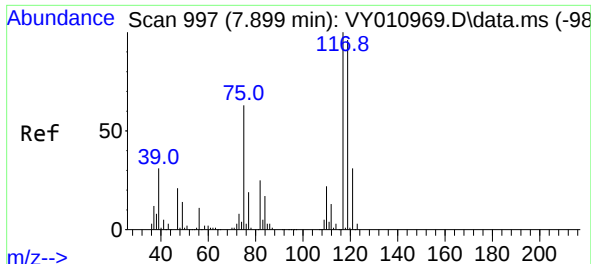
Ion Ratio Lower Upper

43 100

61 88.8 9.7 14.5#

70 0.0 7.1 10.7#

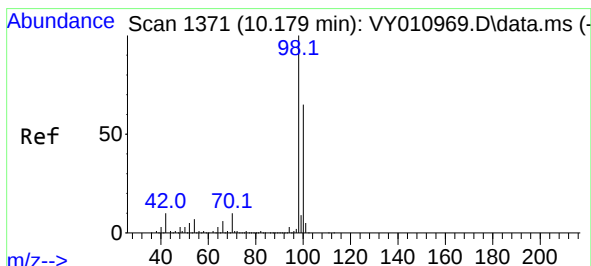
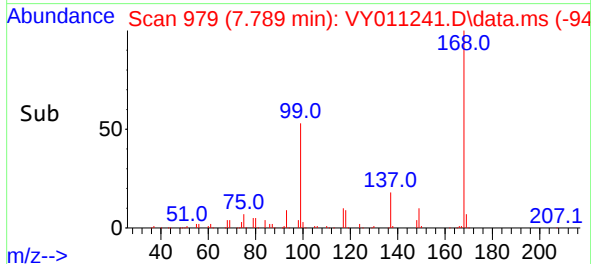
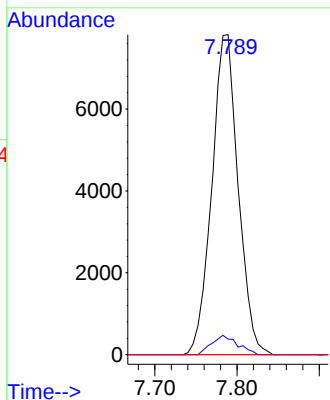
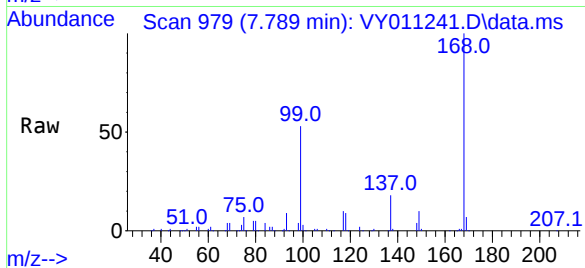




#38  
Carbon Tetrachloride  
Concen: 4.870 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

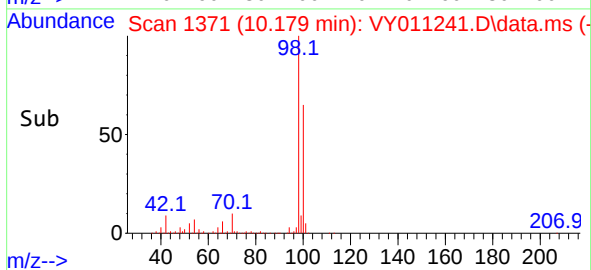
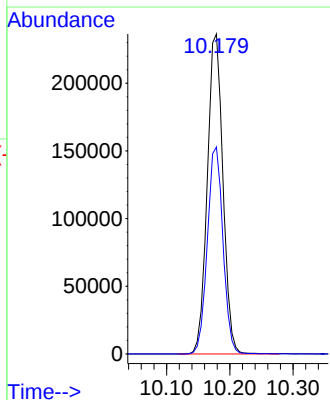
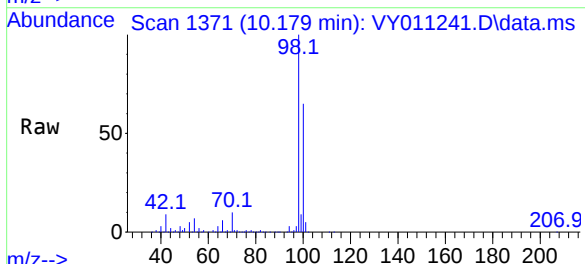
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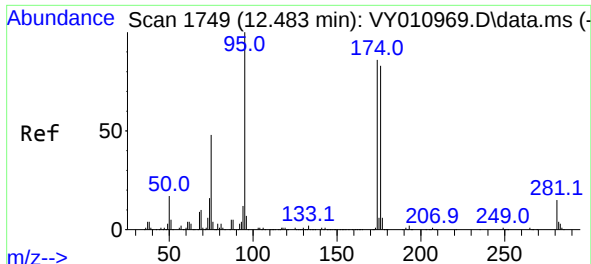
Tgt Ion:117 Resp: 17416  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.595 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Tgt Ion: 98 Resp: 406489  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2

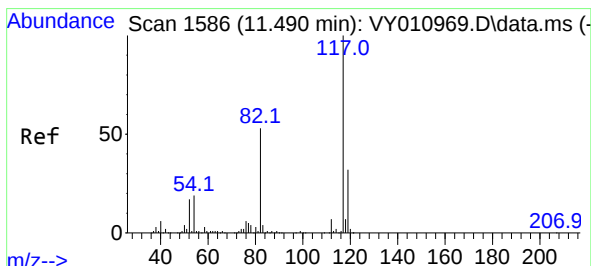
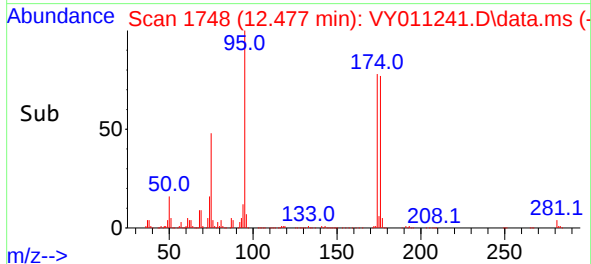
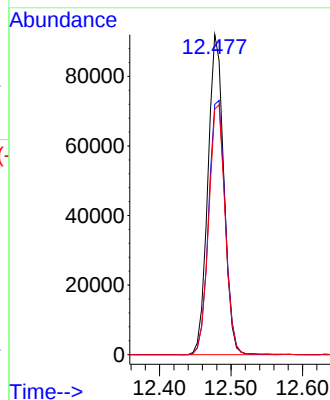
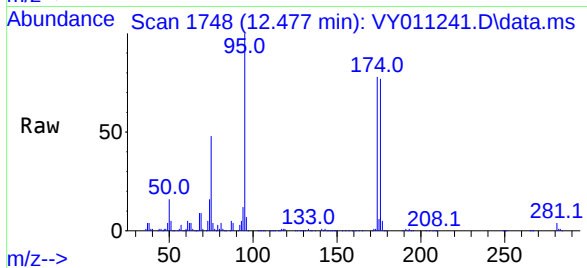




#62  
4-Bromofluorobenzene  
Concen: 50.092 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

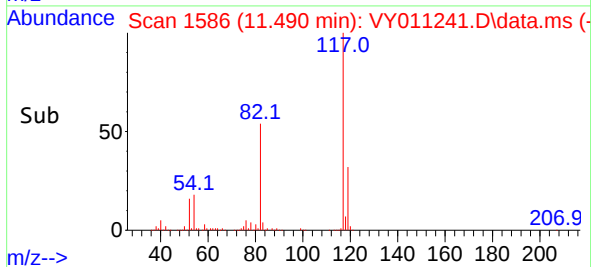
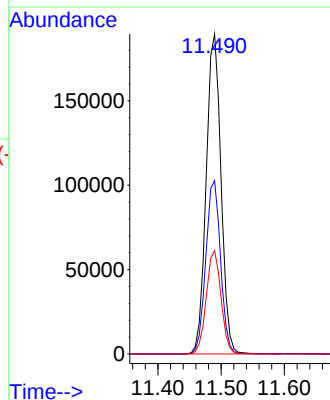
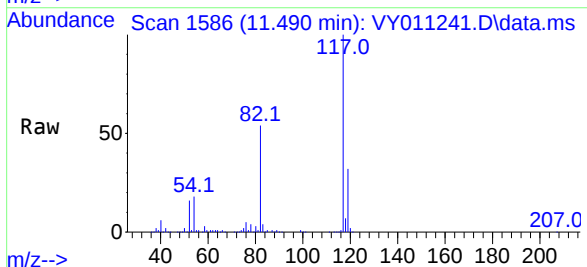
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-16.5-17.0

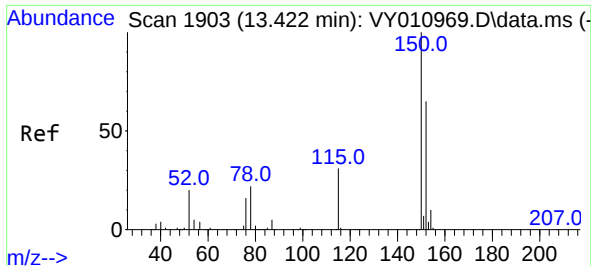
Tgt Ion: 95 Resp: 142530  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 177.0  
176 80.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Tgt Ion: 117 Resp: 309717  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.0 64.4  
119 32.2 25.4 38.0

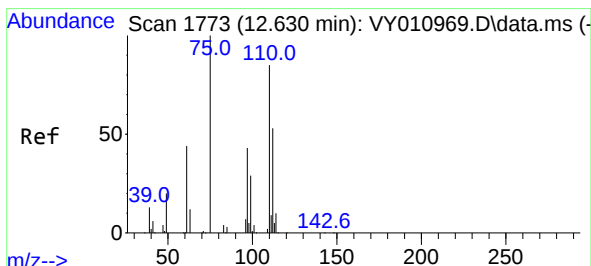
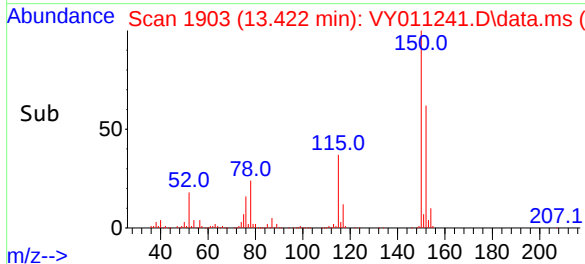
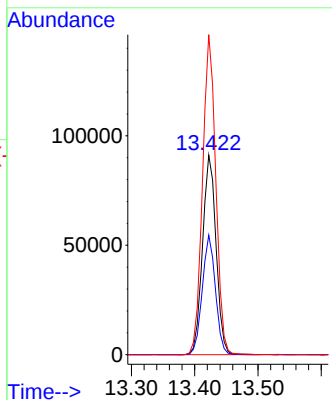
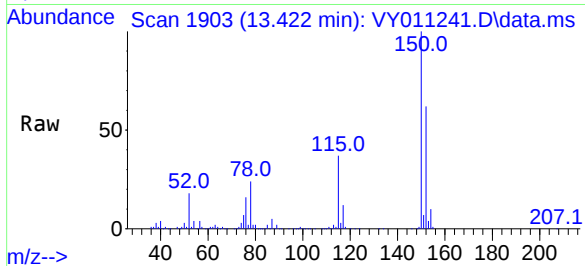




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

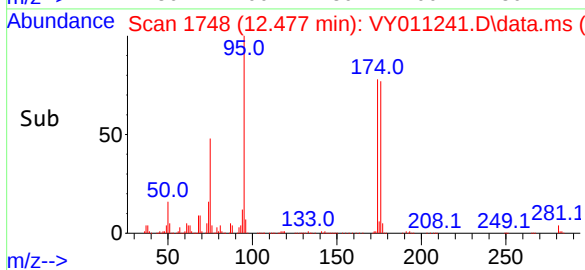
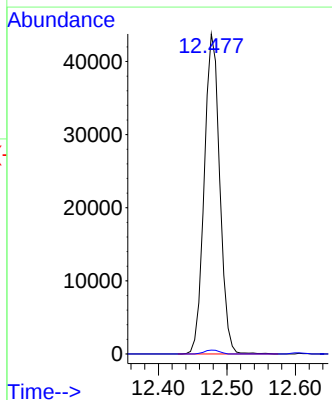
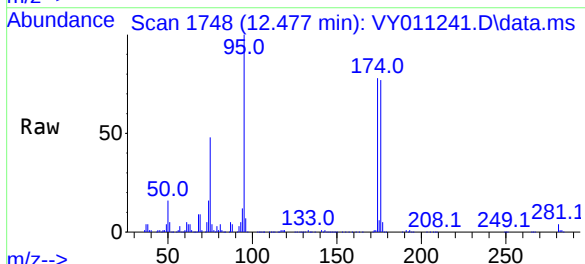
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-16.5-17.0

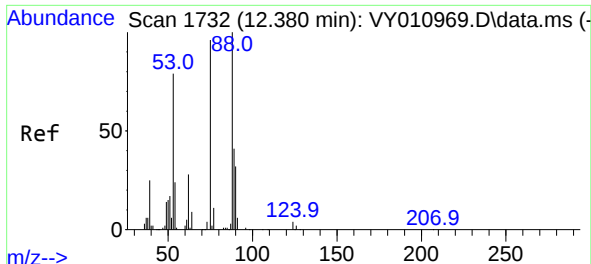
Tgt Ion:152 Resp: 136015  
Ion Ratio Lower Upper  
152 100  
115 58.2 28.2 84.7  
150 157.2 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 41.618 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Tgt Ion: 75 Resp: 68914  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#

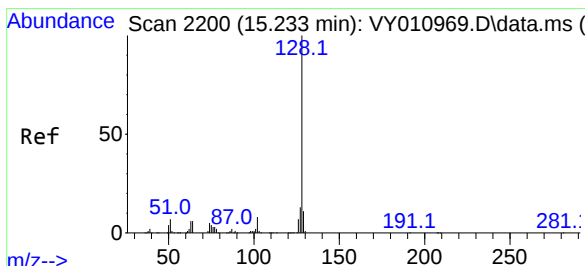
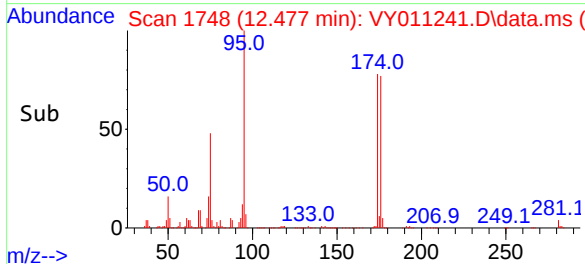
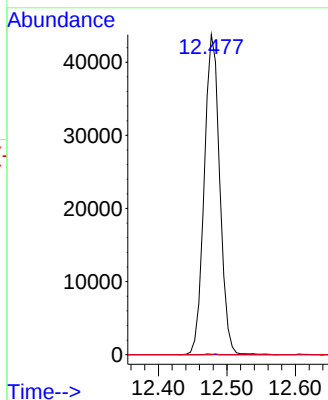
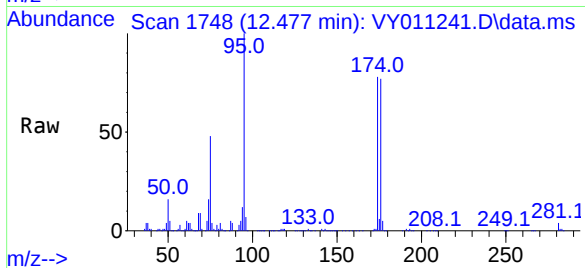




#81  
trans-1,4-Dichloro-2-butene  
Concen: 89.068 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-16.5-17.0

Tgt Ion: 75 Resp: 68914  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.1 37.0 55.4#



#95  
Naphthalene  
Concen: 4.096 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY011241.D  
Acq: 02 Nov 2022 00:00

Tgt Ion:128 Resp: 838  
Ion Ratio Lower Upper  
128 100  
127 0.0 11.0 16.4#  
129 0.0 8.4 12.6#

